ACT Government
Transport Canberra and City Services

FREEDOM OF INFORMATION COVERSHEET

The following information is provided pursuant to section 28 of the *Freedom of Information Act 2016*.

FOI reference: 24-103

Information to be published	Status
1. Access application	Published
2. Decision notice	Published
3. Schedule	Published
4. Documents	Published
5. Additional information identified	Not Applicable
6. Fees	Not Applicable
7. Processing time (in working days)	75 Days
8. Decision made by Ombudsman	Not applicable
9. Additional information identified by Ombudsman	Not Applicable
10. Decision made by ACAT	Not applicable

11. Additional information identified by ACAT	Not applicable

Freedom of Information - Access Application to Transport Canberra and City Services - Submission confirmation

Your submission has been successful. Please keep a copy of this receipt for your records.

Date and time: 08 Jul 2024 8:26:37 AM

Reference code: 86N3ZDMR

Transport Canberra and City Services (TCCS)
GPO Box 158
Canberra ACT 2601
Phone: 02 6207 2987
Email: TCCS.FOI@act.gov.au

Applicant details

Title

Given name [redacted]

Family name [redacted]

Preferred name

Preferred method of contact

- ( ) Phone
- (•) Email
- ( ) Post

Contact phone number [redacted]

Contact email address [redacted]

Contact postal address

Address line 1

Address line 2

Suburb

State

Postcode

Preferred method to receive information *

- (•) Email
- ( ) Post

[x] Same as contact email address

Information request

Who are you making the request on behalf of?

Myself

What type of information are you requesting access to? *

Other information

What information are you requesting access to under the Act? *

I would like access to information on the projects:
- Brindabella Road (safety barriers and speed reductions)
- Boboyan Road (safety barriers and speed reductions)
As mentioned in TheRiotACT on 8 July 2024.
(https://the-riotact.com/advocates-say-key-projects-missing-from-10m-boost-to-canberras-road-safety-system/784900)

This includes:
- all plans, modelling and engineering reports used in the projects
- all consultation documents and feedback about the projects
- all traffic measurements, including measurements of motorcycle traffic on the two roads
- correspondence about the projects in the last year
- any information presented to or discussions (e.g. minutes) by the Road Safety Advisory Board about the projects

Attach a description or additional details about the information you are requesting access to (optional)

Do you have a similar or identical request currently under review by another ACT Government Directorate?

○ Yes ● No

Are you enquiring as

A member of the public

Do you wish to apply for a waiver of fees associated with processing your application?

● Yes ○ No

Do you hold a valid concession card?

○ Yes ● No

Please provide your reason for requesting a fee waiver

The information is of special interest to the motorcycling community. Speed limit reductions have a significantly negative impact on the motorcycling experience and are opposed by the community. The motorcycling community deserves to know why the projects are being carried out and what parties have had influence over them.

Provide a statement about how the release of information is in the public interest (optional)

As above, the motorcycling community are a public group but one that is consistently not consulted over road safety project that could negatively affect them.

Would you like to provide any additional information? (optional)

Some information requested may have already been released in TCCS FOIs 21-092, 21-093, 21-093

Attach additional documents to support your application (optional)

ACT Government
Transport Canberra and City Services

[redacted]

Dear [redacted]

Freedom of Information Request - Reference 24-103

I refer to your access application under the *Freedom of Information Act 2016* (FOI Act) received by Transport Canberra and City Services (TCCS) on 8 July 2024. It is my understanding that you are seeking access to the following government information:

> *"I would like access to information on the projects:*
> - *Brindabella Road (safety barriers and speed reductions)*
> - *Boboyan Road (safety barriers and speed reductions)*
>
> *As mentioned in TheRiotACT on 8 July 2024. (https://the-riotact.com/advocates-say-key-projects-missing-from-10m-boost-to-canberras-road-safety-system/784900)*
> *This includes:*
> - *all plans, modelling and engineering reports used in the projects*
> - *all consultation documents and feedback about the projects*
> - *all traffic measurements, including measurements of motorcycle traffic on the two roads*
> - *correspondence about the projects in the last year*
> - *any information presented to or discussions (e.g. minutes) by the Road Safety Advisory Board about the projects."*

Timeframes
In accordance with section 41 of the FOI Act a decision was initially due on your access application by 18 August 2024. I thank you for agreeing to an extension to make a decision by until 18 September 2024.

On 17 September 2024, our office notified you that the timeframe has been extended by 15 business days, until 10 October 2024, to undertake third party consultation with relevant third parties. I confirm that third party consultation has been completed under section 38 of the FOI Act. I thank you for agreeing to a further extension until 17 October 2024.

I apologise that a decision on access not been made within agreed timeframes. Notification has been provided to the ACT Ombudsman advising that the timeframe for decision has been exceeded. While your access application is taken to be a deemed refusal due exceeding time (section 39(1)(a)), TCCS has continued to deal with your application and provide you with a decision under section 39(3).

Authority
I am an Information Officer appointed by the Director-General under section 18 of the Act to deal with access applications made under Part 5 of the FOI Act.

Decision on access
In accordance with the FOI Act, a search of TCCS records has been completed and twelve records have been identified as relevant to your application.

Upon reviewing the information within these records, I identified four records as already available to the public in response to an earlier access application, 21-093. However, due to the passage of time, I have included these records in the processing of your application. I have included a link to the published release in 2021 within the schedule at Attachment A for completeness.

In reviewing the information within the remaining relevant records and applying the public interest test under section 17 of the FOI Act, I have decided to provide you with:

- Full access to 3 records;
- Partial access to 7 records; and
- Refused access to 2 records.

The records identified as relevant to your application are listed in the schedule enclosed at Attachment A.

I enclose at Attachment B a copy of the records for partial disclosure, with deletions applied to the information I have found to be contrary to the public interest to disclose.

The reasons for my decision are detailed further below in the statement of reasons.

Statement of Reasons
In reaching my access decision, I have taken the following into account:

- The FOI Act.
- the content of the documents that fall within the scope of your request.
- the *Human Rights Act 2004*.
- S.38 third party consultation response.

The FOI Act has a pro disclosure bias, which requires information to be disclosed unless doing so would be contrary to the public interest. As an Information Officer, I must decide where, on balance, public interest lies in the disclosure of government information. Section 17(1) of the Act sets out the steps for completing the public interest test. As part of this process, I must identify all relevant factors in schedule 1 of the FOI Act. If no factor in schedule 1 is found relevant to apply to all or part of the information, I must then consider the factors listed in schedule 2 of the FOI Act and determine, on balance, where the public interest lies.

Schedule 1:

- Schedule 1, section 1.6: Cabinet Information

In my review, I have identified a cabinet submission as relevant to your application. This document was created for the consideration of Cabinet and is an official record of Cabinet. I have considered that this record is recent, and the information is not purely factual.

I find that schedule 1.6 applies to these records, and disclosure of the information is deemed to be contrary to the public interest.

Schedule 2:
Factors favouring disclosure in the public interest (Section 2.1)

- Schedule 2.1(a)(iii) - inform the community of the government's operations, including the policies, guidelines and codes of conduct followed by the government in its dealings with members of the community.
- Schedule 2.1(a)(viii) - reveal the reason for a government decision and any background or contextual information that informed the decision.

Factors favouring non-disclosure (Section 2.2)

- Schedule 2.2(a)(ii) - prejudice the protection of an individual's right to privacy or any other right under the *Human Rights Act 2016*; and
- Schedule 2.2(a)(xii) - prejudice the competitive commercial activities of an agency.

In reviewing the information falling in scope of your application, I recognise that the information relates to property and maintenance of government assets. I have considered that the disclosure of relevant information is likely to reveal contextual information on relevant government decisions. I further find that the disclosure of relevant information is likely to inform the community of the government's operations, in relation to the Brindabella Road and Boboyan Road projects.
I also acknowledge that the pro-disclosure bias requires the public interest test to be approached on the basis that there are not simply empty scales in equilibrium, waiting for arguments to be put on each side. Rather, the scales are loaded in favour of disclosure. I have attributed significant weight to these factors.

In my review, I have also identified personal information relating to third parties, for example names and contact numbers of staff members. I find that factor 2.2(a)(ii) is relevant to this information and I must consider if the disclosure is likely to prejudice the protection of an individual's right to privacy under the *Human Rights Act 2004.* I consider that this personal information has been provided to TCCS for a specific purpose, and with an expectation that the information is treated confidentially. I have also extended this consideration to employee mobile numbers. This is because the mobile phone numbers are personally owned or provided to staff for specific purposes, such as out of hours contact. I have considered that disclosure of these numbers could reasonably interfere with a staff member's right to privacy outside of work hours, where calls exceed the purpose of the out of hours phone number. I find that the protection of an individual's right to privacy under the Human Rights Act 2004 carries significant weight. In this instance, I have found the disclosure of personal information to be, on balance, contrary to the public interest.

In my review, I have also identified financial figures prepared for the consideration of government. I have considered that the financial figures are relevant to current and planned government deliberative processes, including future procurement processes. I consider that the disclosure of these figures at this time are likely to impede future procurement processes by hindering government's ability to seek the best value for service pricing should the estimate or amount willing to pay amounts be made public prior to the negotiation stage of a procurement. Consequentially, I find it likely that the disclosure of these financial figures is likely to prejudice the competitive commercial activities of an agency. In this instance, I have found the disclosure of personal information to be, on balance, contrary to the public interest.

I have found that the factors favouring disclosure can be satisfied with the deletion of information which is contrary to the public interest. A copy of the relevant information is enclosed at Attachment B.

Charges
In accordance with Freedom of Information (Fees) Determination 2018, a fee of $0.35 per page of information disclosed, except for the first 50 pages, may be applied to an access application. I have decided to waive the fee of $134.73 as the release to you includes a significant amount of duplication of information disclosed as a result of previous FOI access applications. I note that the removal of duplicate information is impractical; however, if removed the total number of pages would marginally exceed the fee-free threshold.

Online publishing – disclosure log
Under section 28 of the Act, TCCS maintains an online record of access applications called a disclosure log. In accordance with the FOI Act, a copy of your application, my decision and information disclosed to you will be published within 3-10 business days. Your personal information will be removed from these records prior to publication. You may view the TCCS' disclosure log here.

Ombudsman review
My decision on your access request is a reviewable decision as identified in Schedule 3 of the Act. You have the right to seek an Ombudsman review of this outcome under section 73 of the Act within 20 working days from the day that my decision is published in TCCS' disclosure log, or a longer period allowed by the Ombudsman. If you wish to request a review of my decision, you may write to the Ombudsman at:

The ACT Ombudsman
GPO Box 442
CANBERRA ACT 2601
Via email: actfoi@ombudsman.gov.au

ACT Civil and Administrative Tribunal (ACAT) review
Under section 84 of the Act, if a decision is made under section 82 on an Ombudsman review, you may apply to the ACAT for review of the Ombudsman decision. Further information may be obtained from ACAT at:

ACT Civil and Administrative Tribunal
GPO Box 370
CANBERRA CITY ACT 2601
Telephone: (02) 6207 1740
www.acat.act.gov.au

If you have any queries concerning the directorate's processing of your request, or would like further information, please contact the TCCS FOI team on (02) 6207 2987 or email to tccs.foi@act.gov.au.

Yours sincerely

Lisa Johnson
Information Officer

21 October 2024

ATTACHMENT A - ACCESS APPLICATION SCHEDULE, FREEDOM OF INFORMATION

Reference Number: 24-103

Please be aware that under the *Freedom of Information Act 2016*, some of the information provided to you will be released to the public through the ACT Government's Open Access Scheme. The Open Access release status column of the table below indicates what documents are intended for release online through open access.

Personal information or business affairs information will not be made available under this policy. If you think the content of your request would contain such information, please inform the contact officer immediately.

Information about what is published on open access is available online at: https://www.cityservices.act.gov.au/about-us/freedom_of_information/disclosure-log

Factors favouring non-disclosure:

Schedule 1.6 - Cabinet Information.

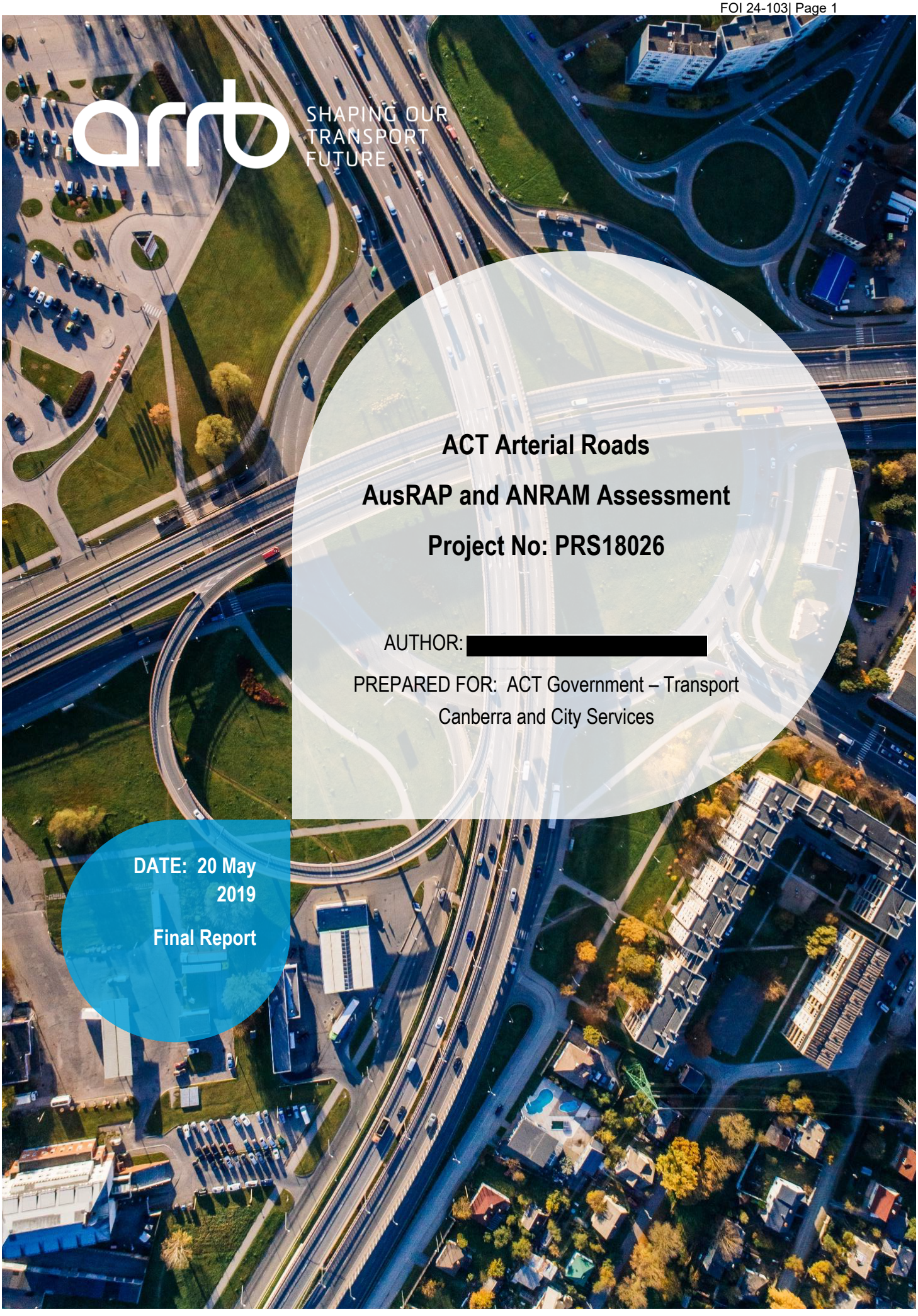
Schedule 2.2(a)(ii) - prejudice the protection of an individual's right to privacy or any other right under the *Human Rights Act 2016.*

Schedule 2.2(a)(xiii) - prejudice the competitive commercial activities of an agency.

Reference number	Page number	Description	Date	Status	Reason for non-release or deferral	Open Access release status
1	**1 - 114**	ACT Arterial Roads - AusRAP and ANRAM assessment	20 May 2019	Partial access	Schedule 2.2(a)(ii)	Decision to be published on the TCCS Disclosure Log.
2	**115 - 171**	Feasibility Design Study_Concept Sketches_RG 20110 R500 Boboyan Rd	25 September 2021	Partial access	Schedule 2.2(a)(ii) Note: previously released under previous FOI 21-093. Accessible on the TCCS disclosure log here.	

3	**172 - 218**	Feasibility Design Study_Concept Sketches_RG 20110 R700 Brindabella Rd	30 August 2021	Partial access	Schedule 2.2(a)(ii) Note: Previously released under previous FOI 21-093. Accessible on the TCCS disclosure log here.	
4	**219 - 221**	20230704 - Email - FW_ Road Safety Program - Tranche 5 Site Identification	4 July 2023	Partial access	Schedule 2.2(a)(ii) Schedule 2.2(a)(xiii)	
5	**-**	20230704 - Email - FW_ Road Safety Program - Tranche 5 Site Identification - Attachment - Brindabella Barriers for Tranche 5	4 July 2023	Refused	Schedule 2.2(a)(xiii)	
6	**222 - 409**	20230704 - Email - FW_ Road Safety Program - Tranche 5 Site Identification - Attachment - RG20110 Delivering ANRAM - Additional Rural Roads DR Submission Report- RevB	24 September 2021	Partial access	Schedule 2.2(a)(ii) Schedule 2.2(a)(xiii) Note: Previously released under previous FOI 21-093. Accessible on the TCCS disclosure log here.	
7	**410 - 427**	20230704 - Email - FW_ Road Safety Program - Tranche 5 Site Identification - Attachment - RG20110 Delivering ANRAM - Rural Roads DR Submission Report ATLM sites	23 September 2021	Partial access	Schedule 2.2(a)(ii) Schedule 2.2(a)(xiii) Note: Previously released under previous FOI 21-093. Accessible on the TCCS disclosure log here.	
8	**428 - 429**	20240507 - Email - Transport Canberra and City Services - APPROVED Road Safety Program (2023-25)	7 May 2024	Partial access	Schedule 2.2(a)(iii)	

9	**430 - 431**	20240507 - Email - Transport Canberra and City Services - APPROVED Road Safety Program (2023-25) - Attachment ACT Signed Letter	7 May 2024	Full access	Not applicable	
10	**432 - 434**	20240507 - Email - Transport Canberra and City Services - APPROVED Road Safety Program (2023-25) - Attachment ACT Signed Instrument	7 May 2024	Full access	Not applicable	
11	**435**	20240507 - Email - Transport Canberra and City Services - APPROVED Road Safety Program (2023-25) - Attachment ACT Approved Project List	7 May 2024	Full access	Not applicable	
12	**-**	Cabinet Business Case: Rural Road Resilience Upgrades	2024	Refused	Schedule 1.6	
Total number of documents: 12						



ACT Arterial Roads

AusRAP and ANRAM Assessment

Project No: PRS18026

AUTHOR: [redacted]

PREPARED FOR: ACT Government – Transport Canberra and City Services

DATE: 20 May 2019

Final Report

ARRB Project No	PRS18026	**Client Project No**	
Path			
Author	[redacted]		

Ver.	Date	Title	Responsibility	By (Initials)
1	6/02/2019	ACT Arterial Roads AusRAP and ANRAM Assessment (draft)	Author	[redacted]
2	20/05/2019	ACT Arterial Roads AusRAP and ANRAM Assessment final report	Author	[redacted]

COMMENTS: Final report providing treatment options to reduce the fatal and serious crash risk on the ACT arterial road network.

CONTACT US

[redacted]

Transport Safety

[redacted]@arrb.com.au

ARRB.COM.AU

ARRB – YOUR NATIONAL TRANSPORT RESEARCH ORGANISATION
ABN 68 004 620 651
With offices in Brisbane, Sydney, Adelaide, Perth.
National Transport Research Centre and Head Office: 80a Turner St, Port Melbourne, 3207 VIC, Australia
arrb.com.au

Although the Report is believed to be correct at the time of publication, the Australian Road Research Board, to the extent lawful, excludes all liability for loss (whether arising under contract, tort, statute or otherwise) arising from the contents of the Report or from its use. Where such liability cannot be excluded, it is reduced to the full extent lawful. Without limiting the foregoing, people should apply their own skill and judgement when using the information contained in the Report.

CONTENTS

1 INTRODUCTION 1
2 ASSESSMENT METHOD 2
2.1 IRAP (AUSRAP) DATA CODING 2
2.2 TRAFFIC VOLUMES 2
2.3 AUSRAP STAR RATING ANALYSIS 2
2.4 ANRAM FATAL AND SERIOUS INJURY CRASH DATA 3
2.5 ANRAM CALIBRATION 3
2.6 TREATMENT OPTIONS 3
3 IRAP STAR RATING ANALYSIS 4
3.1 DETAILED ROAD CONDITION 1
3.2 TREATMENT OPTIONS STAR RATING ANALYSIS 1
3.2.1 URBAN ROAD NETWORK RISK ASSESSMENT 1
3.2.2 RURAL ROAD NETWORK RISK ASSESSMENT 2
4 ANRAM ASSESSMENT 1
4.1 ANRAM FSI CRASH ASSESSMENT 1
4.2 URBAN ANRAM CRASH ASSESSMENT 1
4.3 RURAL ANRAM CRASH ASSESSMENT 2
5 DISCUSSION and CONCLUSIONS 3
REFRENCES 5
Appendix A GLOSSARY 6
Appendix B ACT Arterial Road Network in Review 7
B1. LIST OF URBAN ROADS 7
B2. LIST OF RURAL ROADS 9
Appendix C Detailed Road Condition 10
C1 URBAN ROAD 10
C2 RURAL ROAD 12
Appendix D Locations of change in Speed limit 14
D1 URBAN ROADS 14
D2 RURAL ROADS 15
Appendix E Appendix E Roadside barriers location 17
E1 URBAN ROADS 17
E2 RURAL ROADS 19
Appendix F Appendix F Median barriers 20
F1 URBAN ROADS 20
F2 RURAL ROADS 21
Appendix G Appendix G seagull to signalised intersections 22
Appendix H ANRAM FSI and Risk Assessment by Road Section 23
Appendix I DETERMINING ANRAM RISK BANDS - ACT Network 59
ANRAM FSI PER KM (HML RANGES) 59

TOTAL ANRAMFSI PER KM, CUMULATIVE RISK SCORE PLOT 59
Appendix J ANRAM FSI Crash Assessment Urban Roads – Tabulated results 60
J1 BASELINE, LOWER SPEED LIMIT, ATLM AND INTERSECTIONS ANRAM FSI CRASHES60
J2 BASELINE, ATLM PLUS ROADSIDE BARRIERS AND ATLM PLUS ROADSIDE AND MEDIUM BARRIERS- ANRAM FSI CRASHES 74
Appendix K ANRAM FSI Crash Assessment Rural Roads – Tabulated results 89
K1 BASELINE, LOWER SPEED LIMIT, ATLM AND INTERSECTIONS ANRAM FSI CRASHES89
K2 BASELINE, ATLM PLUS ROADSIDE BARRIERS AND ATLM PLUS ROADSIDE AND MEDIUM BARRIERS- ANRAM FSI CRASHES 93

TABLES

TABLE 2-1: STAR RATING BANDS FOR VEHICLE OCCUPANTS AND MOTORCYCLISTS 2
TABLE 2-2: CALIBRATION FACTORS USED FOR ACT NETWORK 3
TABLE 3-1: ACT ARTERIAL NETWORK – STAR RATING RESULTS FOR URBAN AND RURAL ROADS.. 4
TABLE 3-2: URBAN ROADS STAR RATING FOR BASELINE AND TREATMENT OPTIONS 1
TABLE 3-3: RURAL ROADS STAR RATING FOR BASELINE AND TREATMENT OPTIONS 1
TABLE 4-1: SUMMARY OF OBSERVED AND ANRAM FSI CRASHES 1
TABLE 4-2: TOTAL ANRAM FSI PER KM (HML RANGES) 1
TABLE 4-3: ANRAM FSI CRASHES: BASELINE AND TREATMENT SCENARIOS – URBAN ROADS 1
TABLE 4-4: ANRAM FSI CRASHES: BASELINE AND TREATMENT SCENARIOS – RURAL ROADS 2

FIGURES

FIGURE 3-1: ACT URBAN ROAD NETWORK – VEHICLE OCCUPANT STAR RATING 1
FIGURE 3-2: ACT RURAL ROAD NETWORK – VEHICLE OCCUPANT STAR RATING 1
FIGURE 3-3 URBAN ROADS STAR RATING MAPS 1
FIGURE 3-4 RURAL ROADS STAR RATING MAPS 2
FIGURE 3-5: URBAN AND RURAL INTERSECTION STAR RATING MAPS 1
FIGURE 4-1: ACT NETWORK ANRAM FSI PER KM (HML RANGES) 1
FIGURE 4-2: CRASH DISTRIBUTION MAP 2

1 INTRODUCTION

The ACT Government's Transport Canberra and City Services (TCCS) engaged the Australian Road Research Board (ARRB) to analyse fatal and serious crash risk on the ACT arterial road network. The approach to the project included the following risk assessment methodologies:

- Australian Road Assessment Program (AusRAP) star rating assessment (individual risk indicator)
- ANRAM fatal and serious injury (FSI) crash estimates (collective risk measure).

The International Road Assessment Program (iRAP) is the umbrella organisation for regional RAP programs, which in the Australian context includes AusRAP. Reference to AusRAP as the Australian Road Assessment Program is used interchangeably with iRAP when discussing the risk assessment results, star ratings etc.

Five identified treatments have been applied and analysed for star rating using AusRAP and predicted fatal and serious injury (FSI) using ANRAM. This report presents this analysis of the ACT arterial road network and discusses the effect of each treatment scenario.

The structure of this report is as follows:

Section 1 – introduction.

Section 2 – provides and overview of the risk assessment method applied to the ACT arterial road network.

Section 3 – presents the results of the iRAP Star Rating analysis.

Section 4 – presents the results of the ANRAM assessment for the baseline (existing infrastructure) and the five different treatment scenarios.

Section 5 – provides a discussion of the results of the risk analysis.

A glossary of terms used throughout the report can be found in Appendix A.

The results of the analysis on a road by road basis is provided in the Appendices.

2 ASSESSMENT METHOD

Analysis of the road infrastructure risk present on the ACT arterial road network applies the following process:

- Data collection – using video survey of each road carriageway.
- Data coding – of road infrastructure elements that contribute to road safety risk to road users.
- Processing the rating results in the iRAP (AusRAP) and ANRAM risk assessment models.
- iRAP Star Rating Analysis.
- ANRAM analysis.

2.1 IRAP (AUSRAP) DATA CODING

Hawkeye video data for approximately 980 km of the ACT's arterial road network, collected in June 2018, was coded by ARRB to create the iRAP data file.

The coded road attributes data was reviewed by the senior coding specialist as part of the quality assessment and reviewed by the project manager.

This rating formed the baseline level of risk used to develop the 'treatment' data set by coding the road infrastructure design changes (treatments) to the network.

2.2 TRAFFIC VOLUMES

The ACT TCCS provided the road traffic volumes (AADTs) to be applied to the road network, however not all roads in the network had an AADT.

In circumstances where no AADT was available, an estimate was made considering factors such as the type of road, the similarity with other roads where AADT data is available, and experience of the project team and knowledge of the network.

2.3 AUSRAP STAR RATING ANALYSIS

Once the quality assurance process was finalised, the coded rating data was uploaded to iRAP's online ViDA software to produce a star rating score, and from this the star rating, for each of the routes in the project.

iRAP star rating scores are a broad measure of the individual vehicle occupant risk to sustaining a severe injury, with five stars being the safest score. The star rating score is determined by ViDA analysing the road infrastructure characteristics and providing each road section with a vehicle occupant rating score.

The scale rating is shown in Table 2-1.

Table 2-1: Star rating bands for vehicle occupants and motorcyclists

Star Rating	Star Rating Score Vehicle occupants and motorcyclists
5	0 to < 2.5
4	2.5 to < 5
3	5 to < 12.5
2	12.5 to < 22.5
1	22.5 +

Source: iRAP (2013).

2.4 ANRAM FATAL AND SERIOUS INJURY CRASH DATA

The ACT provided fatal and serious injury (FSI) crash data for the 5-year period 2013 to 2017. The crashes were assigned to each road section in ANRAM using GIS software.

2.5 ANRAM CALIBRATION

ANRAM calibration values were prepared using the 5-year crash data provided for this project (i.e. 2013-2017).

Calibration is undertaken to account for different operational and environmental aspects that may exist within each road stereotype.

Observed FSI and Predicted FSI crash values should be similar at the road network level to ensure that ANRAM's Predicted FSI crashes approximate real-world performance. ANRAM calibration facilitates this.

Calibration should be based on a large dataset of carriageway kilometres and crashes, at least several hundred kilometres for each road type. A large sample of road sections and crashes for each stereotype will provide a more robust calibration. If the data requirements for calibration are not able to be met then default national calibration factors are used.

The calibration factors used in this project are shown in Table 2-2. Note that the default national calibration factors were used for urban freeway, urban undivided and urban local road stereotypes due to the short length of road in each of these stereotypes.

Table 2-2: Calibration factors used for ACT network

Crash type	Rural undivided	Rural divided/freeway	Urban freeway	Urban divided	Urban undivided	Urban local
Run-off-road	0.62	6.97	1.61	3.17	1.02	1.40
Head-on	0.78	22.62	5.29	1.83	0.64	0.40
Intersection	4.83	139.54	0.84	4.16	0.90	0.56
Pedestrian	1.00	1.00	1.00	1.00	1.00	1.00
Other	2.06	14.23	1.06	7.68	0.91	1.23

2.6 TREATMENT OPTIONS

The following treatment options have been assessed in iRAP for the effect on the star rating of the roads and in ANRAM for the effect on the predicted fatal and serious injuries (FSI):

1. A reduction in speed limit of the 100 km/h speed zones to 90 km/h and the 80 km/h speed zones to 70 km/h.
2. The installation of audio tactile line marking (ATLM) along the centrelines and edgelines for areas where speed limit is 80 km/h or greater.
3. The installation of barriers in the form of wire rope along the roadside where the predicted FSI for runoff road is 0.5 or greater and along the median where the predicted FSI for head on is 0.15 or greater. A speed limit of greater than 60 km/h was also a factor.
4. The conversion of selected seagull type intersections to signalised intersections with protected right turn lane. The nominated intersections were selected by TCCS and had a criteria where the location was on a road where speed limit is 80 km/h or greater; has high traffic volumes and a crash history over the analysis period.

3 IRAP STAR RATING ANALYSIS

The ACT arterial road network rated for this project includes 136 roads, 18 ramps and the Glenloch Interchange, with a total carriageway length of 981.90 km.

The network was video surveyed using the ARRB Network Survey Vehicle in June 2018.

The network was separated for analysis into urban and rural roads, refer to Appendix B for a complete list of urban roads and rural roads included in this analysis. The total carriageway length for the urban road network is 693.90 km and for the rural road network 288.00 km.

The overall results of the separate urban and rural star rating for vehicle occupants is shown in Table 3-1 and are illustrated in Figure 3-1 and Figure 3-2, respectively.

URBAN ROAD NETWORK

The results of the risk assessment rating for the urban roads network indicate that almost 75% of the roads achieved a score of 3–stars or higher, while 21% achieved a score of 1–star or 2–stars. Major road works were identified present on 4.31% of this network and are not included in the star rating results due to the inaccuracy of the rating of the road attributes.

RURAL ROAD NETWORK

The results of the risk assessment for the rural roads network indicate, that 22.7% of the roads achieved a score of 3-stars or higher, while almost 77% achieved a score of 1-star or 2-stars. Major roadworks were present on 0.38% of this network and are not included in the star rating results due to the inaccuracy of the rating of the road attributes.

Table 3-1: ACT arterial network – Star rating results for urban and rural roads

Star Ratings	Urban		Rural	
	Length (km)	Percentage (%)	Length (km)	Percentage (%)
5–star	6.20	0.89	0.10	0.03
4–star	43.00	6.20	5.70	1.98
3–star	469.00	67.59	59.60	20.69
2–star	131.00	18.88	55.90	19.41
1–star	14.80	2.13	165.60	57.50
Not applicable[1]	29.90	4.31	1.10	0.38
Totals	**693.90**	**100.00**	**288.00**	**100.00**

1. Road sections identified as having roadworks are excluded from the star rating process due to the inaccuracy of the rating of the road attributes.

Figure 3-1: ACT Urban road network – vehicle occupant star rating

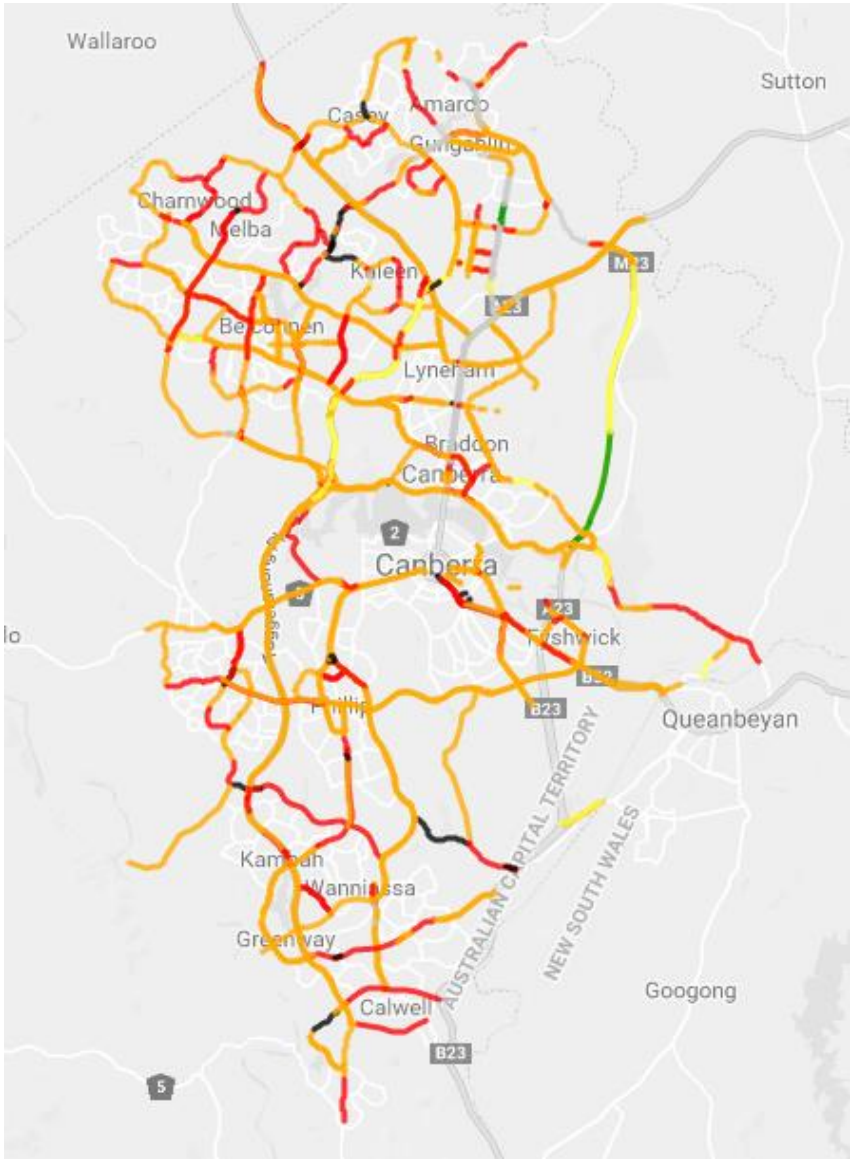
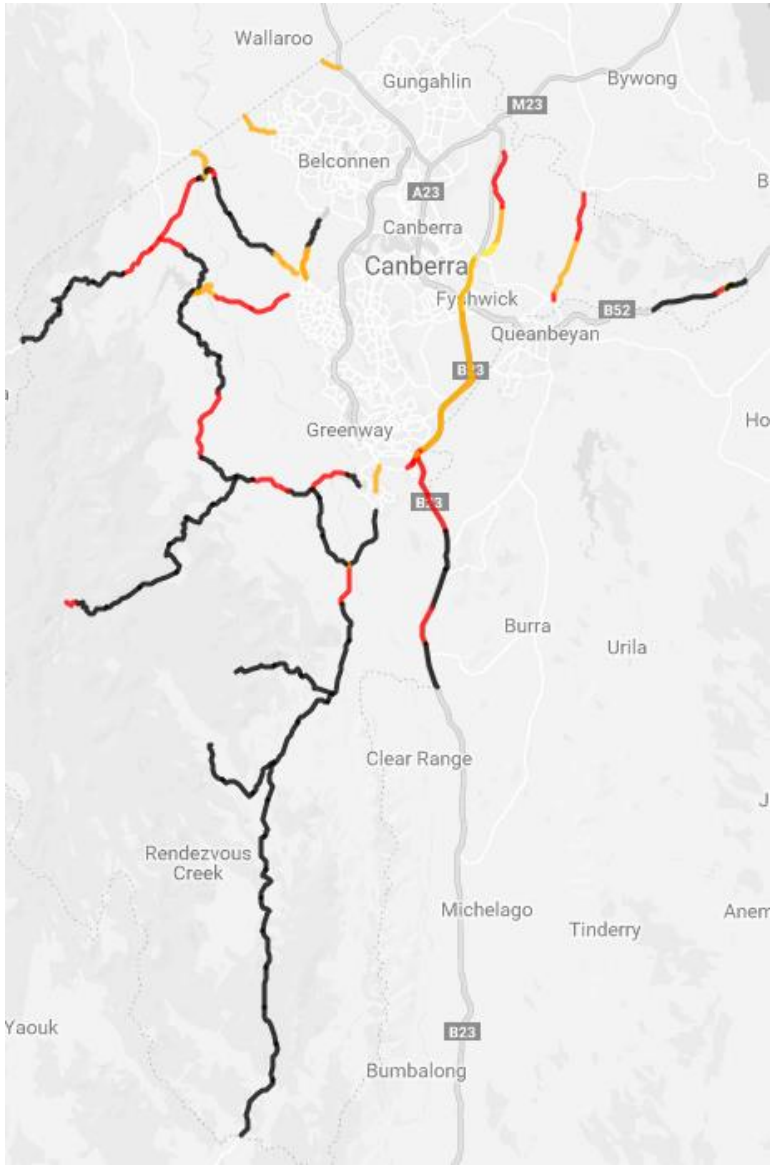


Figure 3-2: ACT rural road network – vehicle occupant star rating



3.1 DETAILED ROAD CONDITION

The iRAP ViDA analysis software permits reporting of the road infrastructure conditions identified during the rating process. The reported road infrastructure elements may contribute to road safety risk, depending on the condition identified. An overview of the rating results for key road infrastructure elements on the ACT urban road network and rural road network are detailed in Appendix C.

All road attributes have an effect on the star rating score, however the following are the road attributes considered higher contributing factors to the 1–star and 2–star ratings on the ACT urban road network, for vehicle occupant:

1. Speed limit - with 61% of the urban road network having a high-speed limit of 80 km/h or higher.
2. Roadside objects –Trees and posts make up 54% of roadside objects on the driver side and 80% on the passenger side. Roadside objects such as cliffs, trees and posts are considered to have higher severity in a crash than other objects.
3. Distance to the roadside object – 65% of objects on the driver side and 82% on the passenger side are located within 5 m of the edge of the travel lane.
4. Carriageway – 23% of the carriageway is undivided, which increases the risk of crashes such as head-on collisions.

The road attributes considered higher contributing factors to the 1–star and 2–star ratings on the ACT rural road network, for vehicle occupant are:

1. Speed limit - with 90% of the rural road network having a high-speed limit of 80 km/h or higher.
2. Roadside objects –Trees and posts make up 49% of roadside objects on both the driver side and the passenger side. Roadside objects such as cliffs, trees and posts are considered to have higher severity in a crash than other objects.
3. Distance to the roadside object – 77% of objects on the driver side and 75% on the passenger side are located within 5 m of the edge of the travel lane.
4. Carriageway – 84% of the carriageway is undivided, which increases the risk of crashes such as head-on collisions.

3.2 TREATMENT OPTIONS STAR RATING ANALYSIS

The treatment options listed in Section 2.6 were assessed in both the urban road network and the rural road network. The location of sections of road where changes were applied for each of the treatment options, are listed for reference in the following appendices:

- Appendix D – Lower speed limit
- Appendix E – Roadside barriers
- Appendix F – Median barriers
- Appendix G – Intersections

3.2.1 URBAN ROAD NETWORK RISK ASSESSMENT

The iRAP Vida software was used to generate star ratings for the ACT urban road network. Table 3-2 shows the proportion of road that falls within each star rating for the baseline (existing road) and treatment scenarios. For the baseline scenario, 21% of the network was found to have a 1 or 2-star rating with a high proportion as 2-star. The intersection scenario had the same percentage of 1 and 2-star roads as the baseline. The ATLM scenario showed a slightly better result with a 20.65% of the network at 1 or 2-star rating.

The lower speed limit scenario showed a better result with 14.4% at 1 and 2-star rating.

In the scenario where roadside barriers are in addition to ATLM, the length of 1 and 2-star rating was reduced to 13.64%; when median barriers were also added, the 1 and 2-star rating was further reduced to 11.85%.

Neither the ATLM nor the intersection scenarios showed any improvement in the 3, 4 or 5-star rating.

The lower speed limit scenario showed some improvement in the 3 and 4-star ratings, but not in the 5-star rating.

The ATLM plus roadside barriers achieved a better result of 9.66% of 5-star rating and 23.81% of 4-star rating. The addition of median barriers improved the star rating to 11.14% of 5-star and 24.80% of 4-star rating.

The star rating for each of the scenarios for the urban road network, is presented in a map format in Figure 3-3.

3.2.2 RURAL ROAD NETWORK RISK ASSESSMENT

The iRAP Vida software was used to generate star ratings for the ACT rural road network. Table 3-3 shows the proportion of road that falls within each star rating for the baseline (existing road) and treatment scenarios. For the baseline scenario, the network was found to have a 57.50% as 1-star and 19.41% as 2-star rating. The intersection scenario had the same percentage of 1 and 2-star roads as the baseline. The ATLM scenario showed a slightly better result with a 48.43% of the network as 1-star and 19.22% as 2-star rating.

The Lower speed limit scenario showed a better result with 45% as 1-star and 24% as 2-star rating. In the scenario where roadside barriers are in addition to ATLM, the 1 and 2-star rating was improved to 16% as 1-star and 31.28% as 2-star. when median barriers were also added the 1 and 2-star rating was further improved to 12.22% as 1-star and 24.92% as 2-star.

The intersection scenario did not show any change from the baseline for all the star rating. The lower speed limit scenario showed some improvement in the 3-star ratings but not in the 4 and 5-star.

The ATLM plus roadside barriers achieved better results in 3, 4 and 5-Star rating with 4.48% as 5-star. The addition of median barriers improved the star rating in 3, 4 and 5-star with 7.88% as 5-star.

The star rating for each of the scenarios for the rural road network, is presented in a map format Figure 3-4.

Table 3-2: Urban roads star rating for baseline and treatment options

Star Ratings	Base line (existing)		Lower speed limit		ATLM		ATLM + Roadside barriers		ATLM + Roadside and Median barriers		Intersections	
	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)
5–star	6.20	0.89	5.20	0.75	6.20	0.89	67.00	9.66	77.30	11.14	6.20	0.89
4–star	43.00	6.20	62.10	8.95	43.00	6.20	165.20	23.81	172.10	24.80	43.00	6.20
3–star	469.00	67.59	496.70	71.58	471.50	67.95	337.20	48.59	332.40	47.90	469.00	67.59
2–star	131.00	18.88	93.50	13.47	128.50	18.52	83.80	12.08	72.50	10.45	131.00	18.88
1–star	14.80	2.13	6.50	0.94	14.80	2.13	10.80	1.56	9.70	1.40	14.80	2.13
Not applicable[1]	29.90	4.31	29.90	4.31	29.90	4.31	29.90	4.31	29.90	4.31	29.90	4.31
Totals	**693.90**	**100**	**693.90**	**100**	**693.90**	**100**	**693.90**	**100**	**693.90**	**100**	**693.90**	**100**

1. Road sections identified as having roadworks are excluded from the star rating process due to the inaccuracy of the rating of the road attributes.

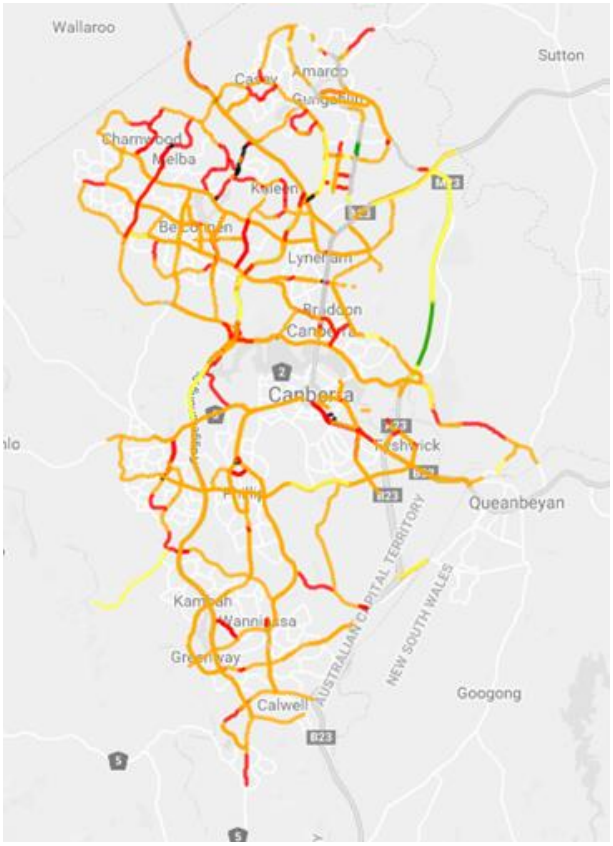
Table 3-3: Rural roads star rating for baseline and treatment options

Star Ratings	Base line (existing)		Lower speed limit		ATLM		ATLM + Roadside barriers		ATLM + Roadside and Median barriers		Intersections	
	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)
5–star	0.10	0.03	0.10	0.03	0.10	0.03	12.90	4.48	22.70	7.88	0.10	0.03
4–star	5.70	1.98	5.70	1.98	5.70	1.86	18.70	6.49	31.80	11.04	5.70	1.98
3–star	59.60	20.69	82.30	28.58	92.10	30.10	119.10	41.35	125.40	43.54	59.60	20.69
2–star	55.90	19.41	69.20	24.03	58.80	19.22	90.10	31.28	71.80	24.93	55.90	19.41
1–star	165.60	57.50	129.60	45.00	148.20	48.43	46.10	16.01	35.20	12.22	165.60	57.50
Not applicable[1]	1.10	0.38	1.10	0.38	1.10	0.38	1.10	0.38	1.10	0.38	1.10	0.38
Totals	**288.00**	**100**	**288.00**	**100**	**288.00**	**100**	**288.00**	**100**	**288.00**	**100**	**288.00**	**100**

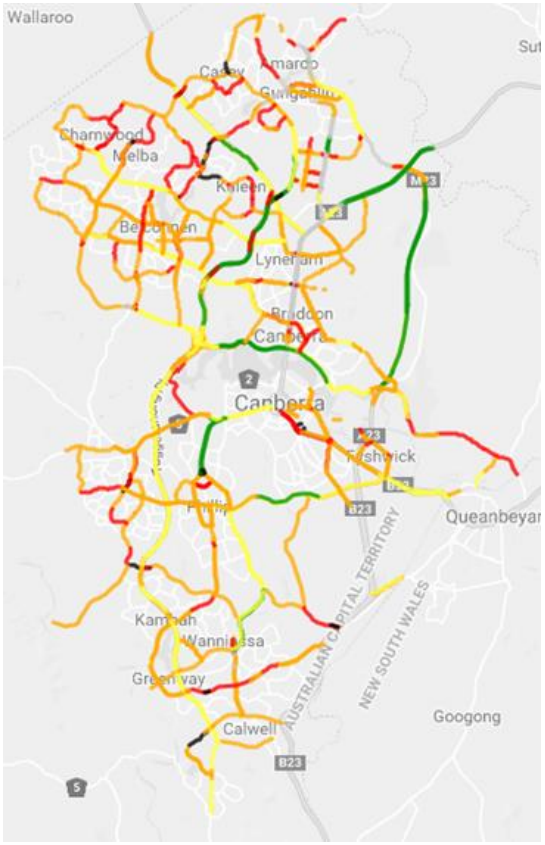
1. Road sections identified as having roadworks are excluded from the star rating process due to the inaccuracy of the rating of the road attributes.

Figure 3-3 Urban roads star rating maps

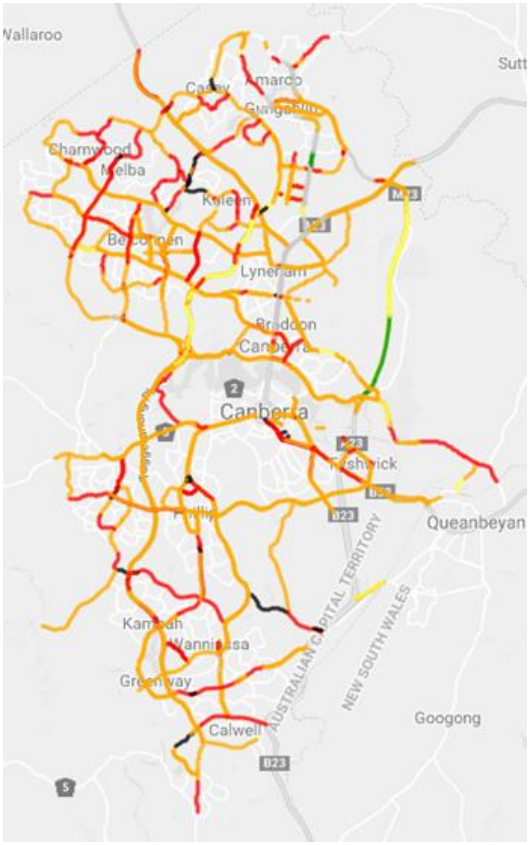
Urban with lower speeds



Urban with ATLM and roadside barriers



Urban with ATLM



Urban with ATLM and roadside & median barriers

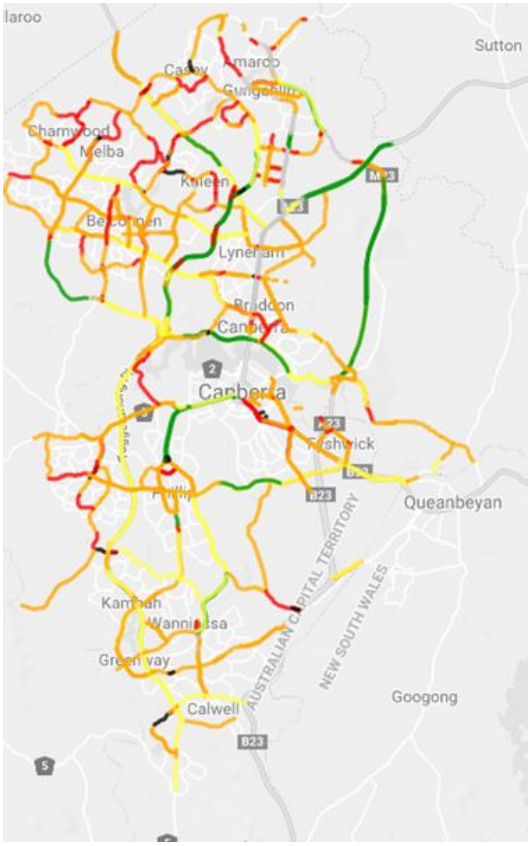
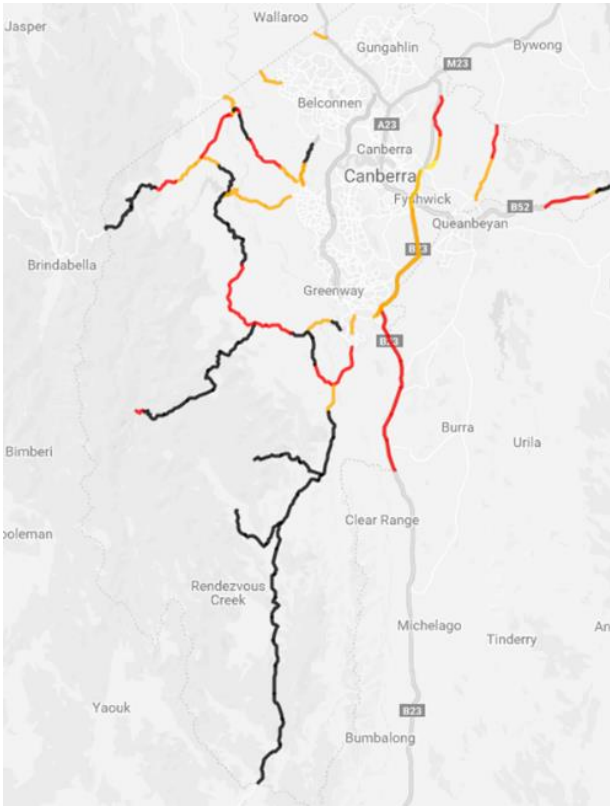
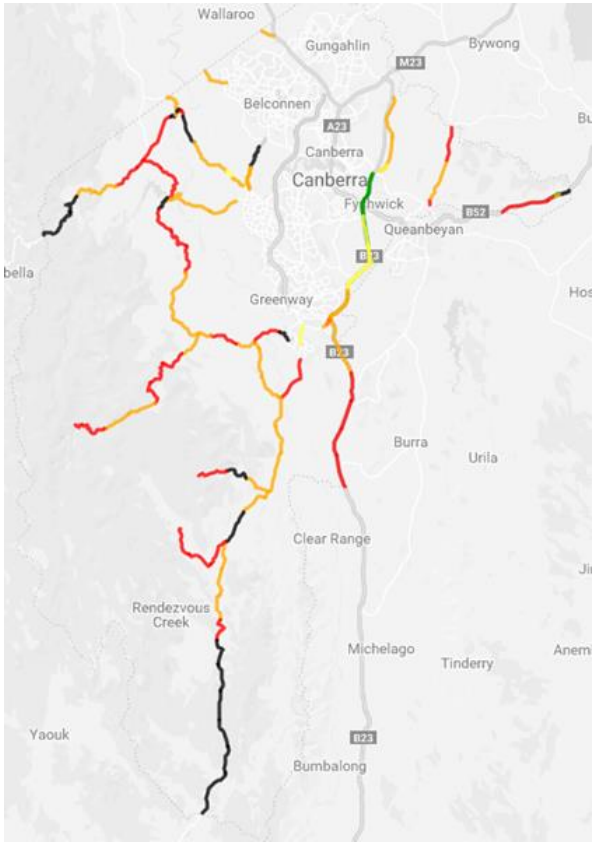


Figure 3-4 Rural roads star rating maps

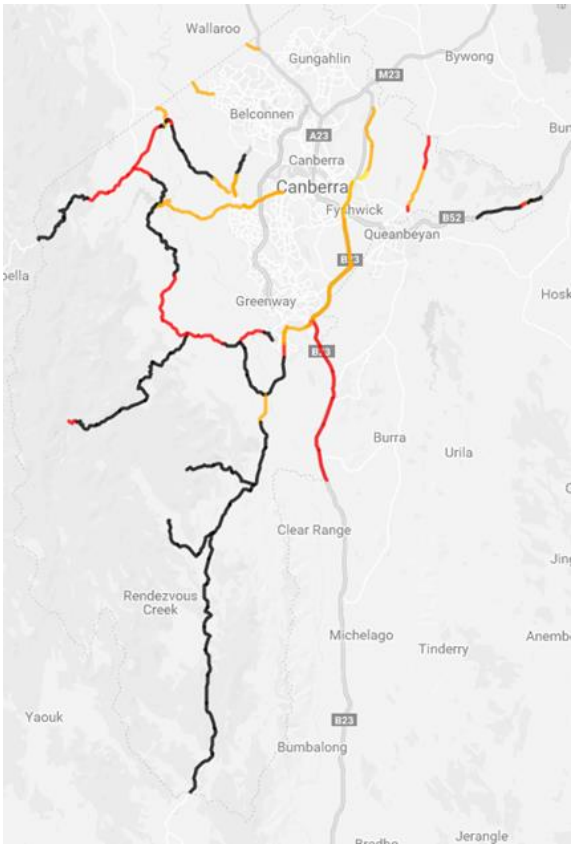
Rural with lower speeds



Rural with ATLM and roadside barriers



Rural with ATLM



Rural with ATLM and roadside & median barriers

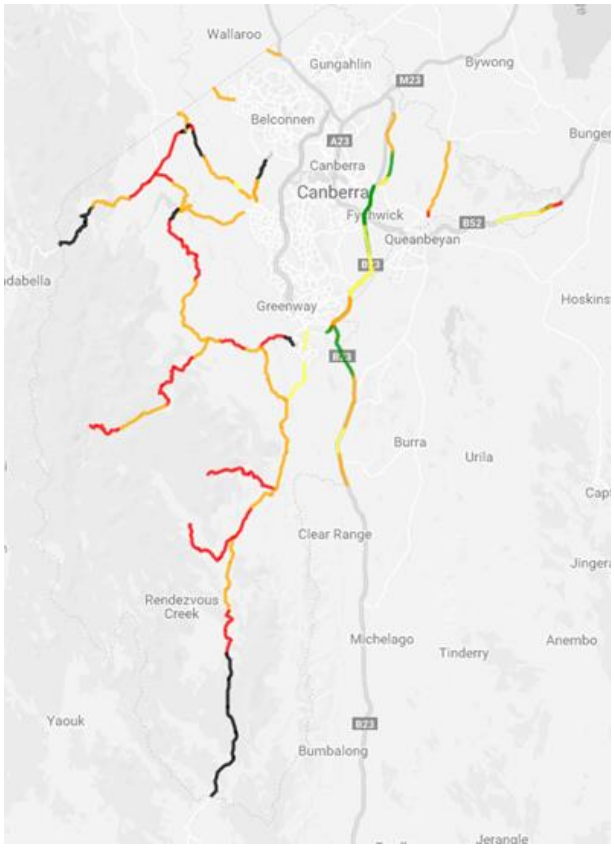
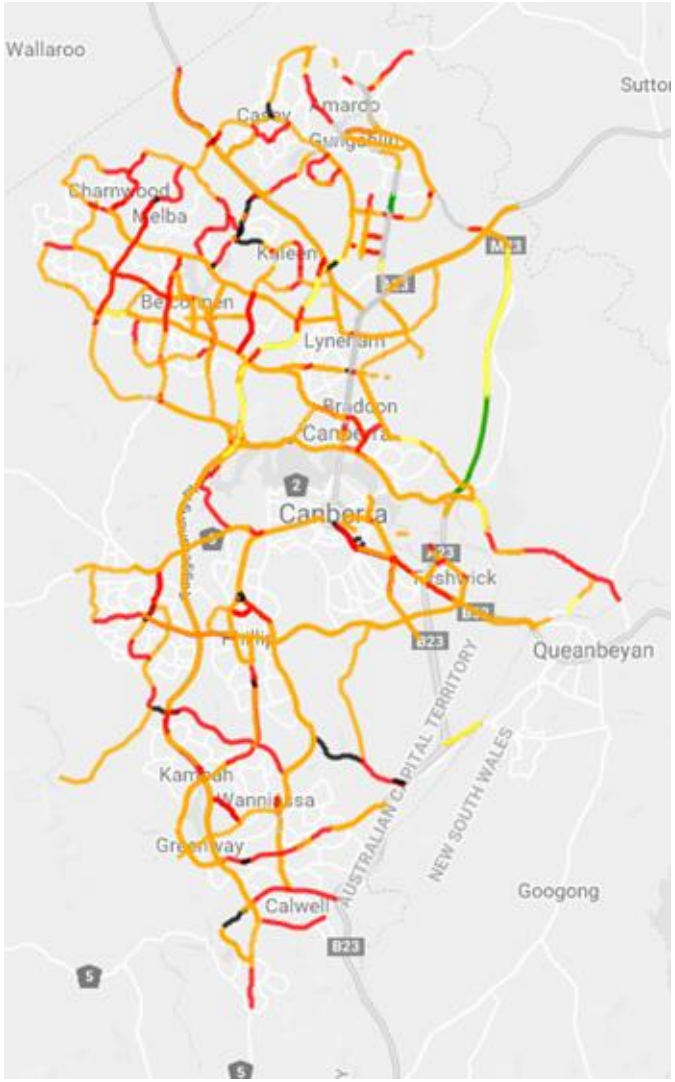
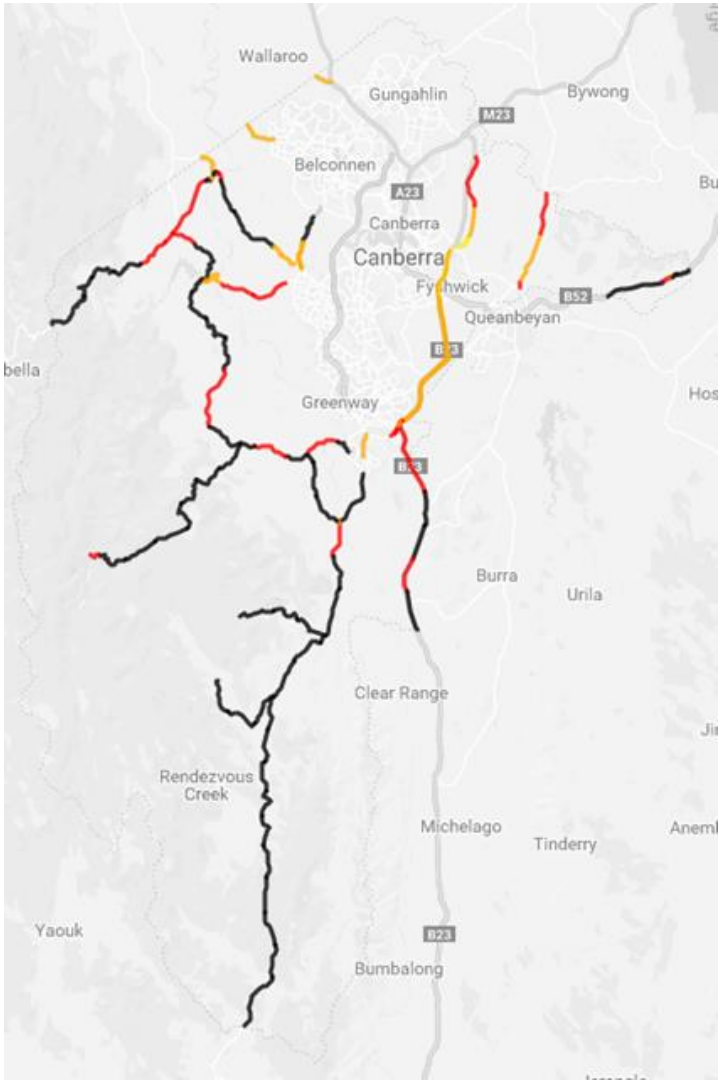


Figure 3-5: Urban and rural intersection star rating maps

Intersections



Rural Intersections



4 ANRAM ASSESSMENT

4.1 ANRAM FSI CRASH ASSESSMENT

ANRAM v1.04 was calibrated and the data analysed to produce the estimates of FSI crashes and their distribution along each road. The ANRAM dataset was converted from ViDA outputs to create the ANRAM input files.

ANRAM FSI crashes are a good measure of collective risk due to road infrastructure and operation, without the limitations of random crash variation. Estimates are available for run-off-road, head-on, intersection and other (rear-end, side swipe) FSI crash types.

Details of the observed FSI crashes and ANRAM FSI crashes for each section of the ACT Network are presented in a table in Appendix H. Also included are the ANRAM FSI per km for each section of road in the ACT network.

Table 4-1 shows a summary of the observed and ANRAM FSI crashes for the different crash types across the whole network.

It is appropriate for observed FSI crashes and ANRAM FSI to vary for a range of reasons including:

- shorter road sections within the project
- statistical variations in observed history
- road user and user factors
- fatal and serious injury reporting rates
- changes in traffic conditions during the observed crash period (traffic volumes, speed limits or road improvements).

Table 4-1: Summary of observed and ANRAM FSI crashes

Crash type	Total observed FSI crashes	Total ANRAM FSI crashes (Base case)
Run-off-road	511	419
Head-on	52	45
Intersection	782	659
Other	736	576
Total	2152	1699

The approach for assessing risk on the ACT road network involved plotting cumulative ANRAM FSI per km scores, to determine relative high, moderate and low (H, M, L) risk across the network (see . The ANRAM FSI per km banding range that corresponds to HML approach is shown in Table 4-2.

The ANRAM FSI per km HML risks for the whole network are mapped in Figure 4-1.

The observed FSI crashes for the five year period of 2013 to 2017 are mapped on Figure 4-2.

Table 4-2: Total ANRAM FSI per km (HML ranges)

Risk	Total ANRAM FSI per km
Low (L)	0.00 – 2.13
Moderate (M)	2.13 – 3.83
High (H)	3.83 – 23.35

Figure 4-1: ACT Network ANRAM FSI per km (HML ranges)

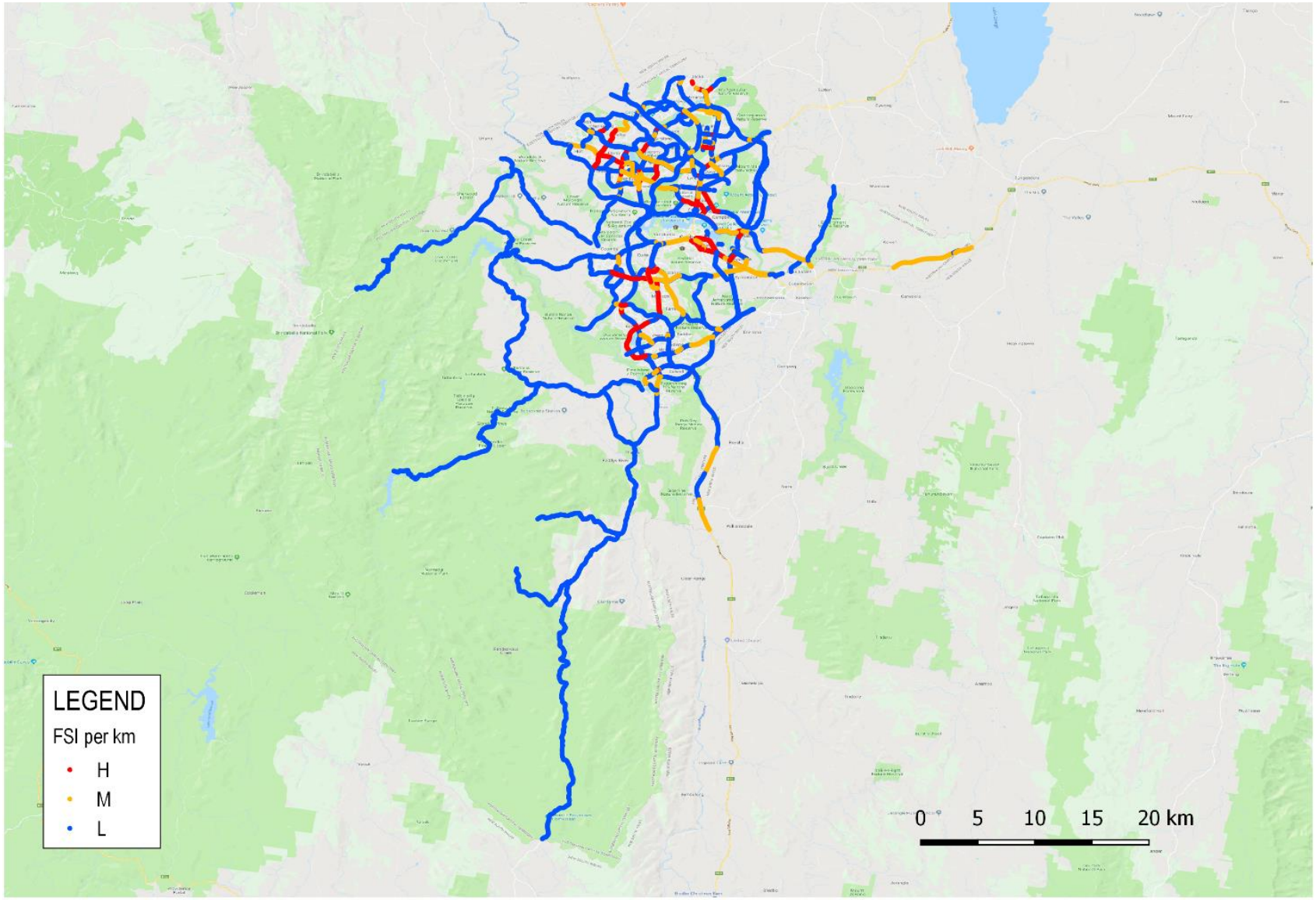
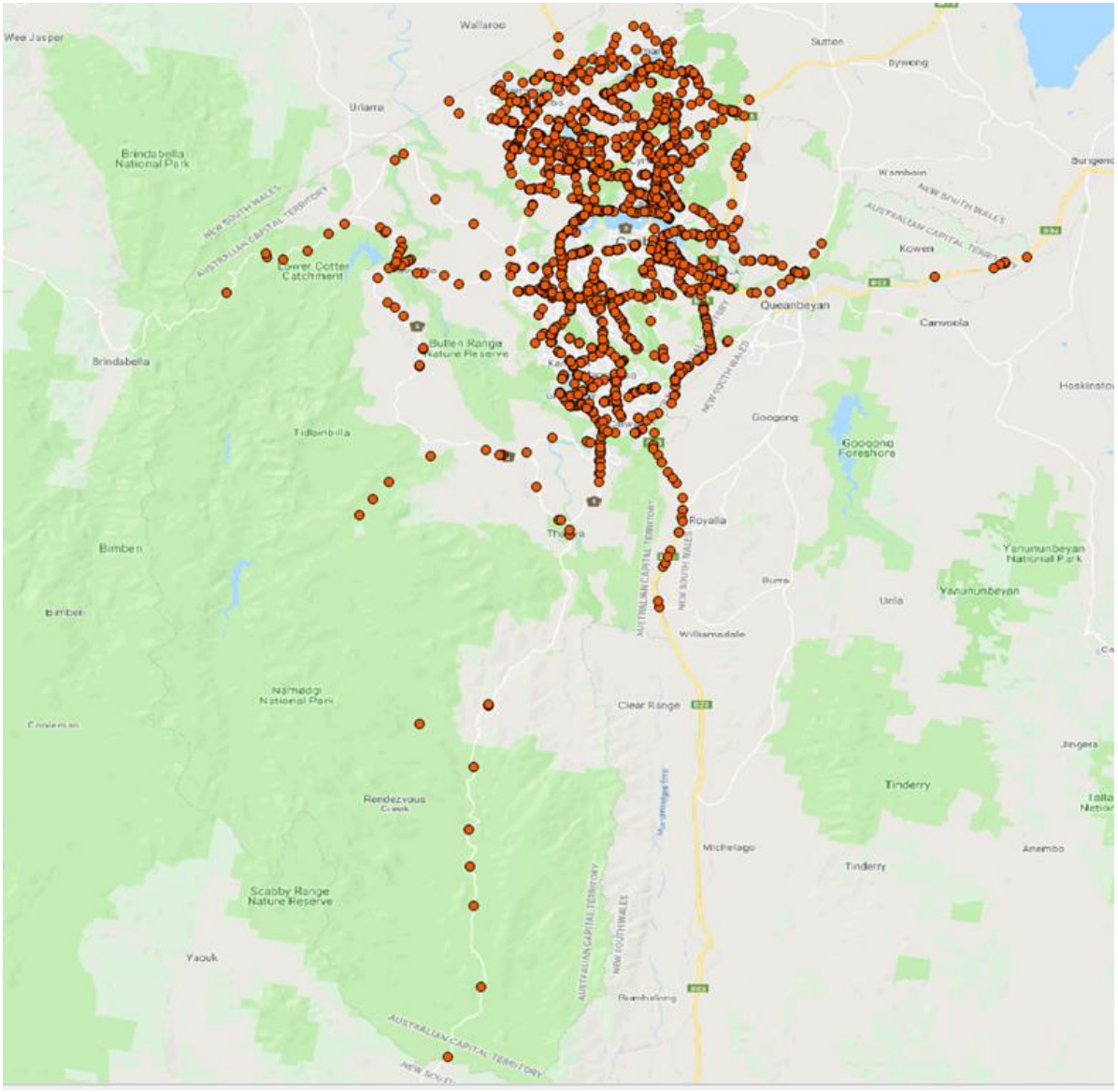


Figure 4-2: Crash distribution map



4.2 URBAN ANRAM CRASH ASSESSMENT

Appendix J shows there were 1892 observed crashes (excluding pedestrians) on the ACT urban road network from 2013 to 2017 included in this analysis.

Appendix H also shows the estimated FSI crashes for each crash type using the ANRAM model for the baseline scenario and the following treatment scenarios (refer to section 2.6 for details of the treatment options):

- reduced speed limit
- ATLM
- ATLM plus roadside barriers
- ATLM plus roadside and median barriers
- intersections (signalise selected seagull intersections).

Table 4-3 provides a summary of the estimated FSI crashes for the baseline and treatment scenarios. Substantial crash reductions would be expected with all the treatment options.

All five scenarios showed a decrease in FSI crashes between 70% and 75%.

The ATLM and Intersections scenarios both showed a similar reduction of 70.6% in total FSI crashes. The head-on crashes had the lowest reduction, in both of these scenarios, with the intersection crashes showing the highest reduction.

The lower speed limit scenario showed a similar reduction to the ATLM plus roadside and median barriers, with the highest reduction in the run-off-road crashes.

The scenario with the ATLM plus the roadside barriers showed only a slightly lower decrease of 0.5% than the previous two scenarios which is found in the Head-on crashes with 13% lower reduction in FSI crashes.

Table 4-3: ANRAM FSI crashes: Baseline and treatment scenarios – Urban roads

Crash type	Observed Urban FSI crashes	ANRAM FSI crashes (Baseline)	Lower speed limit FSI crashes	ATLM FSI crashes	ATLM + Roadside barriers FSI crashes	ATLM + Roadside and Median barriers FSI crashes	Intersections FSI crashes
Total estimated FSI crashes	1892	1488.2	379.35 (74.5% reduction)	437.11 (70.6% reduction)	385.75 (74.1% reduction)	378.70 (74.6% reduction)	436.09 (70.6% reduction)
Run-off-road	410	320.2	66.18 (79.3% reduction)	116.79 (63.5% reduction)	67.11 (79% reduction)	66.18 (79.3% reduction)	117.12 (63.4% reduction)
Head-on	41	24.1	8.70 (63.9% reduction)	12.45 (48.3% reduction)	11.81 (51% reduction)	8.70 (63.9% reduction)	12.56 47.9% reduction)
Intersection	761	628.1	169.28 (73% reduction)	171.62 (72.7% reduction)	171.44 (72.7% reduction)	169.00 (73% reduction)	170.85 (72.8% reduction)
Other	680	515.8	135.19 (73.8% reduction)	136.26 (73.6% reduction)	135.39 (73.8% reduction)	134.82 (73.9% reduction)	135.56 (73.7% reduction)

4.3 RURAL ANRAM CRASH ASSESSMENT

Appendix K shows there were 190 observed crashes (excluding pedestrians) from 2013 to 2017, on the ACT rural road network included in this analysis. Appendix K also shows the estimated FSI crashes for each crash type using the ANRAM model for the baseline scenario and the following treatment scenarios (refer to section 2.6 for details of the treatment options):

- reduced speed limit
- ATLM
- ATLM plus roadside barriers
- ATLM plus roadside and median barriers
- intersections (signalise selected seagull intersections)

Table 4-4 provides a summary of the estimated FSI crashes for the baseline and treatment scenarios.

The Intersections scenario showed the lowest reduction in total FSI crashes with 27% with the highest reduction of 81%in intersection crashes.

The Lower speed limit scenario showed a reduction of 42.9% in total FSI crashes with the highest reduction of 85.9% in intersection crashes.

The ATLM scenario showed a reduction of 36.7% in total FSI crashes, however when roadside barriers were added, the reduction in total FSI crashes increased to 72.9%. This also showed a high reduction in run-off-road crashes with a reduction of 86.8%.

The addition of median barrier showed only a slight increase to 73.1% in total FSI crashes. Although a reduction in crashes is shown in the head-on crashes, an increase in crashes is shown in the intersection crashes.

Table 4-4: ANRAM FSI crashes: Baseline and treatment scenarios – Rural roads

Crash type	Observed Rural FSI crashes	ANRAM FSI crashes (Base case)	Lower speed limit FSI crashes	ATLM FSI crashes	ATLM + Roadside barriers FSI crashes	ATLM + Roadside and Median barriers FSI crashes	Intersections FSI crashes
Total estimated FSI crashes	190	211.09	120.53 (42.9% reduction)	133.64 (36.7% reduction)	57.23 (72.9% reduction)	57.07 (73.1% reduction)	153.10 (27.5% reduction)
Run-off-road	101	98.37	83.08 (15.5% reduction)	89.22 (9.3% reduction)	12.98 (86.8% reduction)	13.25 (86.5% reduction)	103.82 (5.5% increase)
Head-on	11	21.13	11.32 (46.4% reduction)	12.58 (40.4% reduction)	12.50 (40.8% reduction)	7.47 (64.6% reduction)	15.03 (61.1% reduction)
Intersection	21	31.08	4.39 (85.9% reduction)	5.67 (81.8% reduction)	5.67 (81.8% reduction)	9.39 (69.8% reduction)	5.67 (81.8% reduction)
Other	56	60.51	21.73 (64.1% reduction)	26.17 (56.8% reduction)	26.08 (56.9% reduction)	26.97 (55.4% reduction)	28.58 (52.7% reduction)

5 DISCUSSION AND CONCLUSIONS

AusRAP and ANRAM were used to analyse fatal and serious crash risk in the ACT based on the baseline (existing) scenario and five other treatment scenarios for the urban and rural road network. The treatment scenarios included:

- Reduced speed limit - A reduction in speed limit of the 100 km/h speed zones to 90 km/h and the 80 km/h speed zones to 70 km/h.
- ATLM - The installation of audio tactile line marking (ATLM) along the centrelines and edgelines for areas where speed limit is 80 km/h or greater.
- ATLM plus roadside barriers - The installation of barriers in the form of wire rope along the roadside where the predicted FSI for run-off-road crashes is 0.5 or greater and a speed limit of greater than 60 km/h.
- ATLM plus roadside and median barriers – the median barriers were added to the above scenario where the predicted FSI for head-on crashes is 0.15 or greater.
- Intersections - The conversion of selected seagull type intersections to signalised intersections with protected right turn lane. The selected intersections were selected by TCCS and had a criteria where the location was on a road where speed limit is 80 km/h or greater; has high traffic volumes and crash data.

ANALYSIS FINDINGS FOR THE URBAN ROAD NETWORK

The baseline scenario:

- 21% of the network was found to have an AusRAP 1 and 2-star rating.
- 1488 FSI crashes would be expected over the next five years.

Reduced speed limit scenario:

- 14.4% of the network as 1 and 2-star roads, with a slight improvement on the 3 and 4-star roads.
- 74.5% reduction in total FSI crashes expected over the next five years.

ATLM scenario:

- 20.65% of the network as 1 and 2-star roads, a similar result to the baseline with no improvement to the 3,4 or 5-star rating.
- 70.6% reduction in total FSI crashes expected over the next five years.

ATLM plus roadside barriers scenario:

- 13.6% of the network as 1 and 2-star roads, with an improvement in 4-star road to 23.81% and 5-star roads of 9.66% of the network.
- 74.1% reduction in total FSI crashes expected over the next five years.

ATLM plus roadside and median barriers scenario:

- 11.85 % of the network as 1 and 2-star roads, with an improvement in 4-star roads to 24.8% and 5-star to 11.14% of the network.
- 74.6% reduction in total FSI crashes expected for the next five years.

Intersections scenario:

- 21% of the network as 1 and 2-star roads which is the same as the baseline results, with no improvement in the 3,4 or 5-star roads.
- 70.6% reduction in total FSI crashes expected over the next five years.

ANALYSIS FINDINGS FOR THE RURAL ROAD NETWORK

The baseline scenario:

- 57.5% of the network was found to have an AusRAP 1-star rating and 19.41% as 2-star rating.
- 211 FSI crashes would be expected over the next five years.

Reduced speed limit scenario:

- 45% of the network was found to have an AusRAP 1-star rating and 24% as 2-star rating. Improvement in the 3-star rating to 28.6% of the network however no change in the 4 and 5-star from the baseline.
- 42.9% reduction in total FSI crashes expected over the next five years.

ATLM scenario:

- 48.43% of the network was found to have an AusRAP 1-star rating and 19.2% as 2-star rating. Improvement in the 3-star rating to 30.1% of the network, however no change in the 4 and 5-star from the baseline.
- 36.7% reduction in total FSI crashes expected over the next five years.

ATLM plus roadside barriers scenario:

- 16% of the network was found to have an AusRAP 1-star rating and 31.2% as 2-star rating. Improvement in the 3-star rating to 41.35% of the network and an improvement in 4-star roads to 6.49% and 5-star roads of 4.48% of the network.
- 72.9% reduction in total FSI crashes expected over the next five years.

ATLM plus roadside and median barriers scenario:

- 12.2% of the network was found to have an AusRAP 1-star rating and 24.9% as 2-star rating. Improvement in the 3-star rating to 43,54% of the network and an improvement in 4-star roads to 11% and 5-star roads of 7.88% of the network
- 73.1% reduction in total FSI crashes expected for the next five years.

Intersections scenario:

- Showed the same as the baseline results, 57.5% of the network was found to have an AusRAP 1 star rating and 19.41% as 2-star rating. As well as no improvement in the 3, 4 and 5-star roads.
- 27.5% reduction in total FSI crashes expected over the next five years.

The reduced speed limit showed a greater effect in the urban road network than in the rural road network due to the higher percentage of roads reduced to a speed limit less than 80 km/h. A higher percentage of roads in the rural network retained a speed limit of 80 km/h or greater.

Although no change was found in the star rating for the intersection scenario in both the urban and rural environment, a reduction in FSI crashes is shown on both networks mainly for intersection crashes.

The ATLM scenario did not show a significant effect in the star rating, however there is a reduction shown in the FSI crashes with a significant reduction in the urban environment. The volume of traffic has an influence in this regard.

In both the urban and rural environments, the inclusion of roadside barriers has shown a significant improvement in both the star rating and FSI reduction. The addition of median barrier to the roadside barriers and ATLM, increased the star rating and FSI reductions slightly, and is seen in the reduction of head-on crashes as expected.

REFRENCES

AusRAP maps, tables and graphs throughout this report were created using VIDA software by iRAP. Copyright © iRAP. All rights reserved. For more information about VIDA software, please visit https://vida.irap.org/en-gb/home.

Appendix A GLOSSARY

The report assumes the reader has prior knowledge of ANRAM v 1.04 and AusRAP and their basic terminology. For those not familiar with either risk assessment system, the following definitions may be of assistance.

AusRAP – the Australian version of iRAP (identical).

ViDA - software used by AusRAP to upload and process AusRAP road attribute data and produce star ratings based on risk scores, road investment programs and program-level safety benefits.

AusRAP Star Rating Score (SRS) – AusRAP SRSs are measure of individual risk of severe casualty crash based on AusRAP risk scores. Available only through ViDA.

ANRAM risk score – risk scores calculated by ANRAM for each of the four vehicle crash types (run-off-road, head-on, intersection and other). They represent the individual road user's risk of a severe (fatal or serious injury) casualty crash. It is referred to as individual risk. There is a general correlation between ANRAM and AusRAP risk scores although the absolute values are quite different. ANRAM v1.04 also uses slightly older risk algorithms than AusRAP.

ANRAM FSI crashes – estimate of the severe (fatal or serious injury) casualty crashes based on road stereotype, engineering features, speed, potential conflicting traffic and severe crash history. It is determined per road section per 5 years produced for each vehicle crash type and then aggregated. It can be expressed as a rate per km as a standardised measure of collective risk, i.e. risk of severe crashes to all road users on that section (vehicle-based crashes).

Individual risk – a measure of risk to an individual road user expressed per kilometre of travel by a vehicle, or vehicle-kilometres travelled (VKT). It is collective risk adjusted for road user exposure. Individual risk is often measured by fatal and serious injury crash rates, or risk assessment scores. AusRAP SRSs and ANRAM risk scores averaged for a given road section are an approximation of individual risk.

Collective risk – a measure that indicates crash frequency as experienced by the community, that is the number of crashes per unit of time. It can be expressed per section, per kilometre, or per intersection. ANRAM outputs Total ANRAM FSI crashes per road section which is converted to Total ANRAM FSI crashes per kilometre to provide a comparison rate of collective risk.

Road attribute – a characteristic of a road, e.g. sealed shoulder width, curvature, AADT. Each attribute has two or more categories with risk values assigned to each, based on safety research evidence.

Road type – ANRAM v1.04 divides roads into six categories, e.g. urban undivided, urban divided. This determines the algorithms used to estimate FSI crashes.

Appendix B ACT Arterial Road Network in Review

B1. LIST OF URBAN ROADS

Road Name	Road type	Chainage		Road Name	Road type	Chainage	
		Start	Finish			Start	Finish
CLUNIES ROSS ST	Arterial	0	1.5	STREETON DR	Arterial	0	4.3
CORANDERRK ST	Major Collector	0	1.5	ATHLLON DR	Arterial	0	11
LIMESTONE AV	Arterial	0.01	2.7	ERINDALE DR	Arterial	0	6
MAJURA AV	Major Collector	0	2.2	EUCUMBENE DR	Major Collector	16	18.1
ANTHONY ROLFE AV	Major Collector	0	2.7	HINDMARSH DR	Arterial	0	14.5
CURRAN DR	Major Collector	0	1.6	ISABELLA DR	Arterial	0	6.7
FEDERAL HWY	Arterial	0	7.1	LONG GULLY RD	Arterial	0	2.2
FLEMINGTON RD	Arterial	0	6.3	MUGGA LA	Arterial	0	7.5
GUNDAROO DR	Arterial	0	5.4	SOWARD WY	Major Collector	7.72	9.12
HOSKINS ST	Major Collector	0	2	SULWOOD DR	Arterial	8.08	14.18
KOSCIUSZKO AV	Major Collector	0	2.8	TAVERNER ST	Arterial	11.64	13.04
LYSAGHT ST	Major Collector	0	0.8	YAMBA DR	Arterial	0	6.3
MIRRABEI DR	Arterial	0	7.46	YAMBMELRRA	Urban	1.01	1.21
MULLIGANS FLAT RD	Arterial	0	2.4	ADELAIDE AV	Arterial	0	2.7
SANDFORD ST	Major Collector	0	1.4	ADELWCOTTWRM RAMP	Urban	0	0.8
WELL STATION DR	Major Collector	0	3.8	BOWEN DR	Arterial	3.08	4.08
WILLIAM SLIM DR	Arterial	0	3.6	BRISBANE AV	Arterial	0	1.2
AIKMAN DR	Arterial	0	1.4	CANBENORSNRM RD	Urban	0	0.5
BALDWIN DR	Arterial	0	3.6	CANBERRA AV	Arterial	3.68	12.48
BINDUBI ST	Arterial	0	3	COTTEADELERM RAMP	Urban	0	0.6
COLLEGE ST	Major Collector	0	2.4	IPSWICH ST	Major Collector	0	1.1
Eastern Valley Way	Arterial	0	1.3	MANUKA CIR	Major Collector	0	1
Eastern Valley Way	Arterial	3.97	5.27	MONANMORSWRM RAMP	Urban	0	0.8
HAYDON DR	Arterial	0	2.4	MORSHEAD DR	Arterial	0	2.8
MARIBYRNONG AV	Major Collector	0	4.2	Eyre St	Minor Collector	0	0.4
COULTER DR	Arterial	0	5.7	NEWCASTLE ST	Major Collector	0	2.8
EMU BANK	Minor Collector	8.16	9.56	NORSE RD	Major Collector	0	0.6
FAIRFAX ST	Arterial	3.37	4.47	OAKS ESTATE RD	Major Collector	0	1.8
FAIRFAX ST	Arterial	2.65	3.85	PIALLIGO AV	Arterial	1.32	9.52
JOYNTON SMITH DR	Arterial	0	1	SYDNEY AV	Minor Collector	0	0.6
LUXTON S	Major Collector	6.8	7.5	WENTWORTH AV	Arterial	0	1.8
MACARTHUR AV	Major Collector	0	1.6	ASHLEY DR	Arterial	0	3.6
SOUTHERN CROSS DR	Arterial	0	1.2	GREENHILLS DR	Urban	0	0.3
SOUTHERN CROSS DR	Arterial	1.2	5.3	HUME PL	Urban	1.7	2
BARRY DR	Arterial	0	3.3	JERRABOMBERRA AV	Major Collector	0	4.87
BELCONNEN WY	Arterial	0	8	LADY DENMAN DR	Arterial	0	6.5
CLARRIE HERMES DR	Arterial	0	2.8	LANYON DR	Arterial	0	1.6
COOYONG ST	Arterial	4.96	6.16	LAUNCESTON ST	Major Collector	0	2.5
DRAKE BROCKMAN DR	Arterial	0	2.6	MELROSE DR	Arterial	0	2.9
KELLEWAY AV	Major Collector	0	2.1	PARKES WY	Arterial	0	6
KERRIGAN ST	Major Collector	4.17	7.57	STURT AV	Major Collector	0	1.3
KINGSFORD SMITH DR	Arterial	0	7.4	YARRA GLEN	Arterial	0	2.5

Road Name	Road type	Chainage		Road Name	Road type	Chainage	
		Start	Finish			Start	Finish
KURINGA DR	Arterial	0	3.3	BARTNGUNGERM RAMP	Urban	4.37	4.77
OWEN DIXON DR	Major Collector	4.92	8.02	BANDNGUNGNBELCWRM RAMP	Urban	1.2	1.4
SPOFFORTH ST	Major Collector	4.9	6.2	BANDNGUNGNRM RAMP	Urban	3.07	3.27
TILLYARD DR	Major Collector	0	3.1	BARTSGUNGERM RAMP	Urban	1.4	1.7
WILLIAM HOVELL DR	Arterial	10.26	18.06	BARTSGUNGWRM RAMP	Urban	3.19	3.79
ANTILL ST	Major Collector	0	5	BELCEGUNGNRM RAMP	Urban	0	0.5
BARTON HWY	Arterial	0	12	BELCWGUNGS RAMP	Urban	0	1
ELLENBOROUGH ST	Major Collector	0	2.6	BELCWGUNGSRM OFF RM RAMP	Urban	0	0.2
FLOREY DR	Arterial	0	2.2	GINNEGUNGNRM RAMP	Urban	0.5	0.9
GINNINDERRA DR	Arterial	0	12.2	GINNWGUNGSRM RAMP.	Urban	5.51	6.01
HORSE PARK DR	Arterial	0	19.7	GUNGNBELCWRM RAMP	Urban	0	0.9
MOUAT ST	Arterial	0	1.1	GUNGNGINNWRM RAMP	Urban	0	0.5
PHILLIP AV	Major Collector	0	2.9	GUNGSBELCERM RAMP	Urban	7.69	8.29
REDFERN ST	Major Collector	2.61	4.61	GUNGSBELCWGUNGSRM RAMP	Urban	0	0.4
SPRINGVALE DR	Major Collector	0	2.6	GUNGSGINNERM RAMP	Urban	5.01	5.51
MAJURA PWY	Arterial	0	11	GUNGEBARTNRM RAMP	Urban	2.33	2.93
BENJAMIN WY	Arterial	0	1.4	GUNGEBARTSRM RAMP	Urban	0	0.3
CASWELL DR	Arterial	0.05	2.95	GUNGWBARTSRM RAMP	Urban	3.81	4.21
CHEWINGS ST	Major Collector	0	1.4	MELRYARRRA	Urban	0.51	0.71
GUNGAHLIN DR	Arterial	0	12.6	VERNON CIR	Urban	4.01	4.41
WILLIAM WEBB DR	Major Collector	0	2.4	WAKEFIELD AV	Urban	0	1.73
FAIRBAIRN AV	Arterial	0	4.3	Glenloch Interchange North East	Arterial	1.2	2.8
NORTHBOURNE AV	Arterial	0	4.7	Glenloch Interchange south	Arterial	1.3	2.8
DRAKEFORD DR	Arterial	0	9	Glenloch Interchange North loop	Arterial	0.6	2
JOHNSON DR	Arterial	0	3.4	Glenloch Interchange West	Arterial	0	1.8
THARWA DR	Urban	0.8	6.7	Glenloch Interchange South West	Arterial	0	1.2
TUGGERANONG PWY	Arterial	0	10.7	Glenloch Interchange North	Arterial	0	1.1
WOODCOCK DR	Arterial	0	3.3	Glenloch Interchange South East	Arterial	0	1.8
WOODCOCK DR	Arterial	2.31	3.31	Glenloch Interchange North West	Arterial	0	1
COTTER RD	Urban	9.8	17	Glenloch Interchange South West loop	Arterial	0	0.6
KAMBAH POOL RD	Urban	5.61	10.31	Glenloch Interchange South link	Arterial	0	0.6
NAMATJIRA DR	Arterial	0	4.7				

B2. LIST OF RURAL ROADS

Road name	Road type	Chainage	
		Start	Finish
PARKWOOD RD	Rural	0.00	3.00
WALLAROO RD	Rural	0.00	1.60
MAJURA RD	Rural	0.00	8.70
MONARO HWY	Rural	0.00	35.80
APOLLO RD	Rural	12.60	22.00
BOBOYAN RD A	Rural	0.00	6.80
BOBOYAN RD	Rural	0.00	32.50
CORIN RD	Rural	0.01	22.31
NAAS RD	Rural	0.00	11.40
ORRORAL RD	Rural	7.93	17.33
POINT HUT RD	Rural	0.00	4.90
THARWA DR	Rural	0.00	11.80
TIDBINBILLA RD	Rural	12.24	29.34
BRINDABELLA RD	Rural	0.00	25.10
COPPINS CROSSING RD	Rural	0.00	6.00
COTTER RD	Rural	0.00	9.80
FAIRLIGHT RD	Rural	7.07	9.37
PADDYS RIVER RD	Rural	0.00	16.80
URIARRA RD	Rural	0.00	6.60
URIARRA RD	Rural	11.77	23.57
KINGS HWY	Rural	0.00	7.50
SUTTON RD	Rural	4.13	12.83

Appendix C Detailed Road Condition

C1 URBAN ROAD

Road attribute	Category	Driver side		Passenger side	
		km	%	km	%
Distance from travel lane to roadside object	0 to <1m	66.30	10	12.70	2
	1 to <5m	378.60	55	551.80	80
	5 to <10m	70.30	10	84.70	12
	>=10m	178.70	26	44.70	6
Roadside object	Safety barrier - metal	19.00	3	26.60	4
	Safety barrier - concrete	43.70	6	12.10	2
	Safety barrier – wire rope	39.10	5	12.50	2
	Aggressive vertical face	1.30	0	6.10	1
	Upward slope – rollover gradient	7.80	1	11.70	2
	Upward slope – no rollover gradient	18.00	3	26.00	4
	Trees >= 10 cm dia	154.40	22	125.80	18
	Sign, post or pole >= 10 cm dia	225.20	32	431.10	62
	None	159.00	23	17.60	3
Paved shoulder	Wide (>=2.4)	3.80	1	45.10	6
	Medium (>=1m to <2.4m)	67.70	10	344.90	50
	Narrow (>=0m to <1.0m)	194.10	28	84.30	12
	None	428.30	62	219.60	32
Median	Centreline	147.70	21		
	Safety barrier - concrete	43.00	6		
	Safety barrier - metal	12.70	2		
	Safety barrier - wire rope	31.60	5		
	Physical median width >=20m	38.40	6		
	Physical median width >=10m<20m	108.00	16		
	Physical median width >=5m<10m	166.00	24		
	Physical median width >=1m<5m	122.30	18		

Road attribute	Category	Length (km)	% network length
Carriageway	Divided	533.80	77
	Undivided	106.30	23
Curvature	Straight or gently curving	508.30	73
	Moderate	129.90	19
	Sharp	49.10	7
	Very Sharp	6.60	1
Speed Limit	40 km/h	2.70	0
	50 km/h	6.40	1
	60 km/h	216.80	31
	70 km/h	39.40	6
	80 km/h	327.80	47
	90 km/h	43.90	6
	100 km/h	56.80	8
Vehicle Flow (AADT)	0-1000	0.30	0
	1000-5000	66.30	10
	5000-10000	319.80	46
	10000-15000	108.20	16
	15000-20000	85.20	12
	20000-40000	102.20	15
	40000-60000	11.90	2
Intersection type	Merge lane	12.40	2
	Roundabout	23.10	3
	3-leg (unsignalised) with protected turn lane	27.80	4
	3-leg (unsignalised) with no protected turn lane	38.30	6
	3-leg (signalised) with protected turn lane	20.90	3
	3-leg (signalised) with no protected turn lane	5.30	1
	4-leg (unsignalised) with protected turn lane	0.40	0
	4-leg (unsignalised) with no protected turn lane	4.50	1
	4-leg (signalised) with protected turn lane	24.70	4
	4-leg (signalised) with no protected turn lane	7.80	1
	No intersections	516.00	74

C2 RURAL ROAD

Road attribute	Category	Driver side		Passenger side	
		km	%	km	%
Distance from travel lane to roadside object	0 to <1m	36.90	13	31.60	11
	1 to <5m	183.00	64	183.40	64
	5 to <10m	30.30	11	39.50	14
	>=10m	37.80	13	33.50	12
Roadside object	Safety barrier - metal	11.40	4	10.30	4
	Safety barrier - concrete	1.90	1	2.30	1
	Safety barrier – wire rope	2.60	1	3.10	1
	Aggressive vertical face	14.20	5	22.30	8
	Upward slope – rollover gradient	16.40	6	17.60	6
	Upward slope – no rollover gradient	52.60	18	58.80	20
	Trees >= 10 cm dia	120.70	42	111.50	39
	Sign, post or pole >= 10 cm dia	20.40	7	29.90	10
	None	30.70	11	15.10	5
Paved shoulder	Wide (>=2.4)	2.20	1	21.40	7
	Medium (>=1m to <2.4m)	44.00	15	58.90	20
	Narrow (>=0m to <1.0m)	163.50	57	140.80	49
	None	78.30	27	66.90	23
Median	Centreline	240.00	83		
	Safety barrier - concrete	0.90	0		
	Safety barrier - metal	1.70	1		
	Safety barrier - wire rope	0.80	0		
	Physical median width >=20m	5.80	2		
	Physical median width >=10m<20m	20.50	7		
	Physical median width >=5m<10m	11.20	4		
	Physical median width >=1m<5m	5.60	2		

Road attribute	Category	Length (km)	% network length
Carriageway	Divided	46.50	17
	Undivided	241.50	84
Curvature	Straight or gently curving	147.10	51
	Moderate	86.10	30
	Sharp	49.60	17
	Very Sharp	5.20	2
Speed Limit	40 km/h	3.20	1
	50 km/h	1.00	0
	60 km/h	17.90	6
	70 km/h	5.70	2
	80 km/h	60.90	21
	90 km/h	15.40	5
	100 km/h	183.70	64
Vehicle Flow (AADT)	0-1000	29.80	10
	1000-5000	166.40	58
	5000-10000	21.60	8
	15000-20000	53.00	18
	20000-40000	17.20	6
	0-1000	29.80	10
	1000-5000	166.40	58
Intersection type	Merge lane	1.20	0
	Roundabout	1.70	1
	3-leg (unsignalised) with protected turn lane	1.90	1
	3-leg (unsignalised) with no protected turn lane	5.40	2
	3-leg (signalised) with protected turn lane	1.00	0
	3-leg (signalised) with no protected turn lane	0.50	0
	4-leg (unsignalised) with no protected turn lane	0.10	0
	4-leg (signalised) with protected turn lane	0.50	0
	4-leg (signalised) with no protected turn lane	0.10	0
	No intersections	274.30	95
	Merge lane	1.20	0

Appendix D Locations of change in Speed limit

D1 URBAN ROADS

Road Name	Chainage		Change in speed limit (km/h)	
	Start	Finish	From	To
FEDERAL HWY	0.00	3.20	80	70
FEDERAL HWY	3.30	7.00	100	90
GUNDAROO DR	0.00	3.90	80	70
MIRRABEI DR	0.00	2.30	80	70
MULLIGANS FLAT RD	0.00	2.10	80	70
SANDFORD ST	0.00	0.14	80	70
WELL STATION DR	0.00	3.80	80	70
WILLIAM SLIM DR	0.00	3.60	80	70
BALDWIN DR	0.00	1.1	80	70
BINDUBI ST	0.00	2.5	80	70
HAYDON DR	0.00	2.40	80	70
COULTER DR	0.00	5.70	80	70
FAIRFAX ST	3.90	4.40	80	70
SOUTHERN CROSS DR	3.00	5.20	80	70
BARRY DR	0.00	1.90	80	70
BELCONNEN WY	2.60	7.90	80	70
CLARRIE HERMES DR	0.00	2.70	80	70
DRAKE BROCKMAN DR	0.00	0.4	80	70
KINGSFORD SMITH DR	0.00	7.40	80	70
KURINGA DR	0.00	0.70	80	70
OWEN DIXON DR	7.32	7.92	80	70
WILLIAM HOVELL DR	10.26	18.06	80	70
BARTON HWY	0.00	9.00	80	70
BARTON HWY	9.00	11.90	100	90
GINNINDERRA DR	0.00	12.20	80	70
HORSE PARK DR	0.00	12.99	80	70
HORSE PARK DR	19.16	19.70	80	70
MAJURA PWY	0.00	8.90	100	90
MAJURA PWY	9.00	10.90	80	70
GUNGAHLIN DR	4.4	12.00	80	70
DRAKEFORD DR	0.00	9.00	80	70
JOHNSON DR	0.00	3.40	80	70
TUGGERANONG PWY	1.00	10.10	100	90
TUGGERANONG PWY	10.2	10.6	80	70
WOODCOCK DR	0.00	2.00	80	70
KAMBAH POOL RD	5.61	10.31	80	70
NAMATJIRA DR	3.80	4.70	80	70
STREETON DR	0.00	1.80	80	70
ATHLLON DR	2.60	9.70	80	70
ERINDALE DR	0.00	6.00	80	70
EUCUMBENE DR	17.30	18.00	80	70
HINDMARSH DR	0.00	14.00	80	70

Road Name	Chainage		Change in speed limit (km/h)	
	Start	Finish	From	To
ISABELLA DR	0.00	6.60	80	70
LONG GULLY RD	0.00	2.20	100	90
MUGGA LA	0.00	1.80	80	70
SULWOOD DR	8.08	14.18	80	70
TAVERNER ST	11.64	13.04	80	70
YAMBA DR	0.00	6.30	80	70
ADELAIDE AV	0.00	2.70	80	70
ADELWCOTTWRM RAMP	0.00	0.80	80	70
CANBERRA AV	6.50	12.48	80	70
COTTEADELERM RAMP	0.00	0.60	80	70
MORSHEAD DR	0.70	2.80	80	70
OAKS ESTATE RD	0.8	1.70	80	70
PIALLIGO AV	4.92	8.92	80	70
JERRABOMBERRA AV	3.9	4.87	80	70
LANYON DR	0.00	1.60	80	70
PARKES WY	2.70	6.00	80	70
YARRA GLEN	0.00	2.50	80	70
BARTNGUNGERM RAMP	4.37	4.77	100	90
BARTSGUNGERM RAMP	1.40	1.60	80	70
BARTSGUNGWRM RAMP	3.19	3.79	80	70
GUNGNGINNWRM RAMP	0.00	0.50	80	70
GUNGSBELCERM RAMP	7.69	8.29	80	70
GUNGSGINNERM RAMP	5.01	5.51	80	70
GUNGEBARTNRM RAMP	2.33	2.93	80	70
GUNGEBARTSRM RAMP	0.00	0.30	80	70
GUNGWBARTSRM RAMP	3.81	4.21	80	70
Glenloch Interchange West	1.50	1.70	80	70
Tharwa DR	0.8	6.6	80	70
Cotter RD	12.90	16.90	80	70

D2 RURAL ROADS

Road name	Road type	Chainage		Change in speed limit Km/h	
		Start	Finish	From	To
WALLAROO RD	Rural	0.00	1.60	80	70
MONARO HWY	Rural	4.40	7.50	100	90
MONARO HWY	Rural	7.60	13.20	80	70
MONARO HWY	Rural	13.30	16.30	100	90
MONARO HWY	Rural	16.40	17.80	80	70
MONARO HWY	Rural	17.90	35.70	100	90
APOLLO RD	Rural	12.60	22.00	100	90
BOBOYAN RD A	Rural	0.00	6.80	100	90

Road name	Road type	Chainage		Change in speed limit Km/h	
		Start	Finish	From	To
BOBOYAN RD	Rural	0.00	32.50	100	90
CORIN RD	Rural	0.01	21.31	100	90
NAAS RD	Rural	0.9	3.20	80	70
NAAS RD	Rural	3.30	11.30	100	90
ORRORAL RD	Rural	7.93	17.33	100	90
POINT HUT RD	Rural	0.00	3.20	80	70
THARWA DR	Rural	0.00	0.70	80	70
THARWA DR	Rural	6.70	11.30	100	90
TIDBINBILLA RD	Rural	12.64	29.34	100	90
BRINDABELLA RD	Rural	0.00	5.10	100	90
BRINDABELLA RD		5.20	25.00	80	70
COPPINS CROSSING RD	Rural	0.00	3.2	80	70
COTTER RD	Rural	3.40	9.70	80	70
PADDYS RIVER RD	Rural	2.1	16.80	100	90
URIARRA RD	Rural	0.00	5.50	100	90
URIARRA RD		5.60	6.00	80	70
URIARRA RD	Rural	12.40	13.00	80	70
URIARRA RD		13.10	21.00	100	90
URIARRA RD		21.10	21.90	80	70
KINGS HWY	Rural	0.00	4.90	100	90
KINGS HWY		5.00	6.30	80	70
KINGS HWY		6.40	7.40	100	90
SUTTON RD	Rural	4.13	9.00	80	70
SUTTON RD		9.10	12.70	100	90

Appendix E Appendix E Roadside barriers location

E1 URBAN ROADS

Road name	Chainage		Section length (km)
	Start	End	
FEDERAL HWY	0.00	1.80	1.8
FEDERAL HWY	2.10	7.10	5
FEDERAL HWY	0.09	1.99	1.9
FEDERAL HWY	2.29	7.19	4.9
MULLIGANS FLAT RD	0.00	0.20	0.2
WILLIAM SLIM DR	1.60	1.80	0.2
WILLIAM SLIM DR	3.30	3.60	0.3
WILLIAM SLIM DR	1.58	1.88	0.3
BINDUBI ST	1.77	2.67	0.9
HAYDON DR	0.00	2.40	2.4
HAYDON DR	0.03	2.43	2.4
FAIRFAX ST	3.57	4.47	0.9
SOUTHERN CROSS DR	1.20	5.30	4.1
SOUTHERN CROSS DR	1.13	5.23	4.1
BARRY DR	0.00	3.00	3
BARRY DR	0.08	3.28	3.2
BELCONNEN WY	3.30	8.00	4.7
BELCONNEN WY	1.01	7.41	6.4
KINGSFORD SMITH DR	2.50	7.40	4.9
KINGSFORD SMITH DR	0.08	4.98	4.9
KURINGA DR	0.20	3.30	3.1
WILLIAM HOVELL DR	10.56	14.56	4
WILLIAM HOVELL DR	15.06	18.06	3
WILLIAM HOVELL DR	10.61	13.61	3
BARTON HWY	0.00	12.00	12.00
BARTON HWY	0.04	12.04	12.00
GINNINDERRA DR	0.00	10.20	10.2
GINNINDERRA DR	0.03	10.23	10.23
HORSE PARK DR	0.00	0.40	0.4
HORSE PARK DR	2.40	5.50	3.1
HORSE PARK DR	2.48	7.68	5.2
MAJURA PWY	3.80	9.00	5.2
MAJURA PWY	4.03	9.73	5.7
CASWELL DR	0.00	2.80	2.8
GUNGAHLIN DR	0.00	10.50	10.5
GUNGAHLIN DR	0.02	10.62	10.6
DRAKEFORD DR	0.00	9.00	9.0
DRAKEFORD DR	0.07	6.17	6.1
DRAKEFORD DR	6.57	8.17	1.6
JOHNSON DR	0.00	3.20	3.2
THARWA DR	3.30	4.70	1.4
TUGGERANONG PWY	1.00	10.20	9.2
TUGGERANONG PWY	1.14	10.74	9.6

Road name	Chainage		Section length (km)
	Start	End	
WOODCOCK DR	0.00	0.40	0.4
WOODCOCK DR	1.40	3.20	1.8
COTTER RD	12.10	17.00	4.9
COTTER RD	0.77	5.67	4.9
STREETON DR	0.07	1.17	1.1
ATHLLON DR	0.00	4.60	4.6
ATHLLON DR	6.90	11.00	4.1
ATHLLON DR	0.04	4.64	4.6
ATHLLON DR	6.94	9.54	2.6
ERINDALE DR	0.00	3.40	3.4
ERINDALE DR	0.03	3.43	3.4
HINDMARSH DR	0.00	12.60	12.6
HINDMARSH DR	0.09	12.59	12.5
ISABELLA DR	0.00	2.20	2.2
ISABELLA DR	3.50	6.50	3
ISABELLA DR	0.04	2.34	2.3
ISABELLA DR	3.24	3.84	0.6
LONG GULLY RD	0.00	2.20	2.2
SULWOOD DR	8.08	13.18	5.1
TAVERNER ST	11.64	13.04	1.4
TAVERNER ST	0.07	1.57	1.5
YAMBA DR	0.00	1.40	1.4
YAMBA DR	2.30	6.30	4
YAMBA DR	0.02	1.42	1.4
YAMBA DR	2.22	6.22	4
ADELAIDE AV	0.00	2.70	2.7
ADELAIDE AV	0.01	2.71	2.7
ADELWCOTTWRM RAMP	0.00	0.80	0.8
CANBERRA AV	3.98	6.28	2.3
CANBERRA AV	6.48	12.48	6
CANBERRA AV	0.06	3.76	3.7
CANBERRA AV	4.46	8.96	4.5
COTTEADELERM RAMP	0.00	0.60	0.6
MONANMORSWRM RAMP	0.04	0.84	0.8
MORSHEAD DR	0.70	2.80	2.1
MORSHEAD DR	0.55	2.85	2.3
PARKES WY	0.00	6.00	6
PARKES WY	0.09	5.99	5.9
YARRA GLEN	0.00	2.50	2.5
YARRA GLEN	0.02	2.62	2.6
Glenloch Interchange North East	1.20	2.80	1.6
Glenloch Interchange North loop	0.60	2.00	1.4
Glenloch Interchange West	0.00	1.80	1.8
Glenloch Interchange North	0.00	1.10	1.1
Glenloch Interchange South East	0.00	1.80	1.8
Glenloch Interchange South West loop	0.00	0.60	0.6

E2 RURAL ROADS

Road name	Chainage		Section length (km)
	Start	End	
MONARO HWY	0.00	13.40	13.4
MONARO HWY	17.30	23.30	6
MONARO HWY	0.01	13.31	13.31
APOLLO RD	12.60	22.00	9.4
BOBOYAN RD A	0.00	6.80	6.8
BOBOYAN RD	0.00	32.50	32.5
CORIN RD	0.01	21.40	21.4
NAAS RD	3.30	11.40	8.1
ORRORAL RD	7.93	17.33	9.4
THARWA DR	6.70	11.80	5.1
THARWA DR	0.72	1.52	0.8
THARWA DR	3.62	5.62	2
TIDBINBILLA RD	12.44	29.34	13.9
BRINDABELLA RD	0.00	5.20	5.2
BRINDABELLA RD	11.20	25.10	13.9
PADDYS RIVER RD	2.10	16.80	14.7
URIARRA RD	16.07	21.07	5
KINGS HWY	0.00	5.00	5
KINGS HWY	5.70	6.30	0.6
KINGS HWY	0.68	1.28	0.6

Appendix F Appendix F Median barriers

F1 URBAN ROADS

Road name	Chainage		Section length (km)
	Start	End	
MULLIGANS FLAT RD	0.70	2.40	1.7
WILLIAM SLIM DR	0.00	0.60	0.6
WILLIAM SLIM DR	2.20	3.30	1.1
BINDUBI ST	0.00	1.70	1.7
HAYDON DR	0.00	2.40	2.4
HAYDON DR	0.03	2.43	2.4
COULTER DR	2.70	3.90	1.2
CLARRIE HERMES DR	0.30	2.80	2.5
KINGSFORD SMITH DR	3.60	7.40	3.8
KINGSFORD SMITH DR	0.08	4.98	4.9
WILLIAM HOVELL DR	10.56	14.56	4
HORSE PARK DR	2.40	5.50	3.1
HORSE PARK DR	10.49	13.09	2.6
HORSE PARK DR	2.48	6.08	3.6
GUNGAHLIN DR	7.40	10.50	3.1
JOHNSON DR	0.00	3.20	3.2
THARWA DR	0.80	3.30	2.5
THARWA DR	5.20	6.70	1.5
WOODCOCK DR	1.40	3.20	1.8
ATHLLON DR	2.70	4.60	1.9
ATHLLON DR	5.70	6.90	1.2
ATHLLON DR	6.90	9.20	2.3
ATHLLON DR	9.40	10.00	0.6
ATHLLON DR	2.74	4.64	1.9
ATHLLON DR	6.94	9.54	2.6
ISABELLA DR	2.20	3.10	0.9
ISABELLA DR	3.50	6.50	3
ISABELLA DR	0.04	2.34	2.3
LONG GULLY RD	0.00	2.20	2.2
SULWOOD DR	8.08	13.18	5.1
ADELAIDE AV	0.00	2.70	2.7
ADELAIDE AV	0.01	2.71	2.7
MORSHEAD DR	0.55	2.85	2.3
PIALLIGO AV	3.22	4.12	0.9
PIALLIGO AV	5.22	9.52	4.3
PIALLIGO AV	6.57	7.27	0.7

F2 RURAL ROADS

Road name	Chainage		Section length (km)
	Start	End	
MAJURA RD	1.10	8.70	7.6
MONARO HWY	17.30	35.80	18.5
APOLLO RD	15.60	18.60	3
BOBOYAN RD A	3.00	6.80	3.8
BOBOYAN RD	12.00	32.50	20.5
THARWA DR	0.40	0.80	0.4
THARWA DR	6.70	11.80	5.1
THARWA DR	0.72	1.52	0.8
BRINDABELLA RD	0.00	5.20	5.2
BRINDABELLA RD	17.20	25.10	7.9
KINGS HWY	0.00	5.70	5.7
KINGS HWY	6.30	7.50	1.2
SUTTON RD	9.13	12.83	3.7

Appendix G Appendix G seagull to signalised intersections

Road Name	Chainage location (km)
WILLIAM SLIM DR	2.6
HAYDON DR	0.396
HAYDON DR	1.596
HAYDON DR	1.896
SOUTHERN CROSS DR	4.001
SOUTHERN CROSS DR	4.801
KINGSFORD SMITH DR	4.699
KINGSFORD SMITH DR	5.899
BARTON HWY	1.299
BARTON HWY	2.899
BARTON HWY	10.199
GINNINDERRA DR	1.828
GINNINDERRA DR	5.228
GINNINDERRA DR	9.628
GINNINDERRA DR	10.028
MONARO HWY	11.406
DRAKEFORD DR	1.7
JOHNSON DR	0.702
WOODCOCK DR	0.699
WOODCOCK DR	1.499
WOODCOCK DR	2.199
NAMATJIRA DR	4.596
ATHLLON DR	3.3
ATHLLON DR	5.1
ISABELLA DR	4.797
SULWOOD DR	11.38
SULWOOD DR	12.18
SULWOOD DR	13.18
YAMBA DR	2.8
YAMBA DR	3.8
YAMBA DR	5.1
YAMBA DR	5.4
CANBERRA AV	6.575
CANBERRA AV	8.775
CANBERRA AV	3.16
CANBERRA AV	5.36

Appendix H ANRAM FSI and Risk Assessment by Road Section

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
CLUNIES ROSS ST	136	rural divided/ freeway	0.004	0.204		0	0	0	0	0	0.01	0.00	0.06	0.06	0.12	0.61	L
CLUNIES ROSS ST	137	rural undivided	0.204	0.504	0.2	0	0	0	0	0	0.01	0.00	0.04	0.01	0.06	0.20	L
CLUNIES ROSS ST	138	urban undivided	0.504	1.504	0.3	0	0	0	2	2	0.12	0.00	0.05	0.05	0.22	0.22	L
CLUNIES ROSS ST	139	rural divided/free way	0.064	0.264	1	0	0	0	0	0	0.01	0.00	0.09	0.09	0.18	0.92	L
CORANDE RRK ST	154	urban divided	0	0.7	0.2	2	0	0	3	5	0.10	0.00	0.67	0.58	1.35	1.92	L
CORANDE RRK ST	155	urban undivided	0.696	1.496	0.7	0	0	3	0	3	0.16	0.00	0.34	0.07	0.57	0.71	L
CORANDE RRK ST	156	urban divided	0.012	0.712	0.8	1	0	3	3	7	0.18	0.00	2.17	0.68	3.04	4.34	H
LIMESTON E AV	411	urban divided	0.008	1.008	0.7	0	0	2	2	5	0.23	0.00	2.00	1.35	3.58	3.58	M
LIMESTON E AV	412	urban divided	1.008	2.708	1	1	1	2	1	6	0.56	0.00	2.70	1.50	4.76	2.80	M
LIMESTON E AV	413	urban divided	0.001	1.001	1.7	0	0	6	2	8	0.14	0.00	4.26	1.23	5.63	5.63	H
LIMESTON E AV	414	urban divided	1.001	2.701	1	0	0	9	0	9	0.30	0.00	6.69	1.12	8.10	4.77	H
MAJURA AV	427	urban undivided	0.001	1.001	1.7	0	0	0	3	3	0.27	0.03	0.24	0.41	0.96	0.96	L
MAJURA AV	428	urban undivided	1.001	2.201	1	3	1	2	3	9	1.06	0.09	0.63	0.58	2.35	1.96	L
ANTHONY ROLFE AV	7	urban divided	0	1	1.2	0	0	7	2	9	0.44	0.00	4.18	1.63	6.25	6.25	H
ANTHONY ROLFE AV	8	urban divided	0.995	2.595	1	0	0	3	1	4	0.61	0.00	2.86	1.68	5.15	3.22	M
ANTHONY ROLFE AV	9	urban divided	0.044	1.044	1.6	1	0	0	1	2	0.65	0.00	0.92	1.13	2.71	2.71	M
ANTHONY ROLFE AV	10	urban divided	1.044	2.744	1	0	0	5	1	6	0.55	0.00	3.35	1.52	5.42	3.19	M
CURRAN DR	181	rural divided/free way	0.004	0.604	1.7	0	0	0	0	0	0.23	0.01	0.39	0.40	1.04	1.73	L
CURRAN DR	182	urban divided	0.604	1.304	0.6	1	0	0	0	1	0.34	0.01	0.21	0.17	0.73	1.05	L
CURRAN DR	183	urban undivided	1.304	1.604	0.7	0	0	0	1	1	0.16	0.01	0.02	0.05	0.25	0.82	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
CURRAN DR	184	urban divided	0.054	1.554	0.3	1	0	2	0	3	0.52	0.04	1.58	0.68	2.82	1.88	L
FEDERAL HWY	238	rural divided/freeway	0	1.1	1.5	0	0	0	0	0	0.87	0.00	1.40	1.38	3.64	3.31	M
FEDERAL HWY	239	rural divided/freeway	1.1	1.8	1.1	0	0	0	0	0	0.55	0.00	0.60	0.59	1.74	2.49	M
FEDERAL HWY	240	rural divided/freeway	1.8	2.1	0.7	0	0	0	1	1	0.19	0.02	0.40	0.99	1.60	5.34	H
FEDERAL HWY	241	urban freeway	2.1	7.1	0.3	1	0	0	1	2	1.43	0.00	0.00	0.30	1.73	0.35	L
FEDERAL HWY	242	rural divided/freeway	0.089	1.189	5	1	0	0	11	12	1.14	0.00	1.43	7.80	10.37	9.43	H
FEDERAL HWY	243	rural divided/freeway	1.189	1.989	1.1	0	0	0	1	1	0.60	0.03	0.93	1.46	3.02	3.77	M
FEDERAL HWY	244	rural divided/freeway	1.989	2.289	0.8	0	0	1	0	1	0.32	0.00	0.00	0.00	0.32	1.07	L
FEDERAL HWY	245	urban freeway	2.289	7.189	0.3	2	1	0	0	3	0.75	0.00	0.01	0.49	1.24	0.25	L
FLEMINGTON RD	246	urban undivided	0	0.6	4.9	0	3	1	2	7	0.22	0.32	0.23	0.44	1.22	2.03	L
FLEMINGTON RD	247	urban undivided	0.599	0.799	0.6	0	0	1	1	2	0.06	0.03	0.29	0.29	0.67	3.37	M
FLEMINGTON RD	248	urban divided	0.799	1.199	0.2	0	0	0	0	0	0.28	0.00	0.00	0.00	0.28	0.70	L
FLEMINGTON RD	249	urban divided	1.199	2.199	0.4	1	0	1	1	3	0.66	0.00	0.47	0.54	1.68	1.68	L
FLEMINGTON RD	250	urban divided	2.199	3.299	1	0	0	0	0	0	0.43	0.00	0.63	0.72	1.77	1.61	L
FLEMINGTON RD	251	urban divided	3.299	3.799	1.1	0	0	0	0	0	0.06	0.00	0.00	0.00	0.06	0.13	L
FLEMINGTON RD	252	urban divided	3.799	4.799	0.5	2	0	0	1	3	0.56	0.00	0.50	0.83	1.89	1.89	L
FLEMINGTON RD	253	urban divided	4.799	5.099	1	0	0	0	0	0	0.10	0.00	0.00	0.00	0.10	0.32	L
FLEMINGTON RD	254	urban divided	5.099	5.799	0.3	0	0	0	0	0	0.27	0.00	0.23	0.27	0.78	1.11	L
FLEMINGTON RD	255	urban divided	5.799	6.299	0.7	1	0	1	1	3	0.34	0.00	0.71	0.80	1.85	3.70	M
FLEMINGTON RD	256	urban divided	0.601	1.001	0.5	0	0	0	0	0	0.22	0.00	0.00	0.00	0.22	0.56	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
FLEMINGTON RD	258	urban divided	1.001	2.901	0.4	0	0	0	2	2	0.77	0.00	0.96	1.63	3.36	1.77	L
FLEMINGTON RD	259	urban divided	2.901	3.501	1.9	0	0	0	0	0	0.11	0.00	0.00	0.00	0.12	0.19	L
FLEMINGTON RD	260	urban divided	3.501	4.501	0.6	0	0	0	0	1	0.34	0.00	0.50	0.57	1.41	1.41	L
FLEMINGTON RD	261	urban divided	4.501	5.701	1	0	0	0	1	1	0.54	0.00	1.04	1.60	3.18	2.65	M
GUNDAROO DR	278	rural divided/free way	0.001	0.401	1.2	0	0	4	1	5	0.22	0.00	1.42	0.54	2.18	5.44	H
GUNDAROO DR	279	rural undivided	0.401	1.701	0.4	2	2	0	3	7	0.31	0.11	0.38	0.50	1.30	1.00	L
GUNDAROO DR	280	rural undivided	1.701	2.701	1.3	0	0	0	0	0	0.12	0.05	0.14	0.13	0.44	0.44	L
GUNDAROO DR	281	rural divided/free way	2.701	3.401	1	1	0	0	2	3	0.74	0.00	0.79	1.79	3.33	4.75	H
GUNDAROO DR	282	urban divided	3.401	4.001	0.7	0	0	0	2	2	0.41	0.02	0.41	0.77	1.61	2.68	M
GUNDAROO DR	283	urban divided	4.001	4.201	0.6	0	0	0	0	0	0.07	0.01	0.20	0.14	0.40	2.02	L
GUNDAROO DR	284	urban divided	4.201	5.401	0.2	1	0	0	2	3	0.71	0.00	1.27	1.44	3.42	2.85	M
GUNDAROO DR	285	rural divided/free way	0.029	0.429	1.2	0	0	0	1	1	0.16	0.00	0.30	0.64	1.10	2.76	M
GUNDAROO DR	286	rural divided/free way	2.129	2.329	0.4	0	0	1	0	1	0.10	0.00	0.21	0.06	0.38	1.88	L
GUNDAROO DR	287	urban divided	2.829	3.929	0.2	2	0	1	3	6	0.51	0.01	0.95	0.91	2.37	2.16	L
GUNDAROO DR	288	rural divided/free way	4.129	5.429	1.1	3	0	0	0	3	1.22	0.01	0.76	0.75	2.73	2.10	L
HOSKINS ST	350	urban undivided	0.001	0.301	1.3	0	0	0	0	0	0.12	0.03	0.00	0.03	0.18	0.59	L
HOSKINS ST	351	urban divided	0.301	1.801	0.3	0	0	1	3	4	0.51	0.01	2.02	2.18	4.71	3.14	M
HOSKINS ST	352	urban undivided	1.801	2.501	1.5	0	0	0	1	1	0.62	0.05	0.09	0.16	0.92	1.31	L
HOSKINS ST	353	urban divided	0.302	2.002	0.7	1	0	6	0	7	0.41	0.01	3.75	1.02	5.19	3.05	M
KOSCIUSZKO AV	395	urban undivided	0.001	1.501	1.7	2	0	1	3	6	1.08	0.04	0.47	0.44	2.02	1.35	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
KOSCIUSZKO AV	396	urban divided	1.501	2.001	1.5	0	0	0	0	0	0.14	0.00	0.19	0.07	0.40	0.81	L
KOSCIUSZKO AV	397	urban undivided	2.001	2.801	0.5	0	0	0	0	0	0.38	0.02	0.13	0.09	0.62	0.78	L
KOSCIUSZKO AV	398	urban divided	0.149	0.749	0.8	0	0	0	0	0	0.13	0.00	0.28	0.10	0.51	0.85	L
LYSAGHT ST	420	urban divided	0.001	0.801	0.6	0	0	0	1	1	0.11	0.00	1.14	1.01	2.26	2.82	M
LYSAGHT ST	418	urban divided	0.033	0.233	0.8	0	0	0	0	0	0.03	0.00	0.28	0.16	0.47	2.34	M
LYSAGHT ST	419	urban divided	0.233	0.833	0.2	0	0	0	0	0	0.08	0.00	0.79	0.42	1.29	2.16	L
MIRRABEI DR	454	rural undivided	0.004	0.704	0.6	0	0	0	0	0	0.10	0.03	0.13	0.10	0.36	0.51	L
MIRRABEI DR	455	rural undivided	0.704	2.804	0.7	0	2	0	0	2	0.32	0.14	0.54	0.35	1.35	0.64	L
MIRRABEI DR	456	rural undivided	6.564	6.764	2.1	0	0	0	0	0	0.01	0.00	0.00	0.01	0.02	0.12	L
MIRRABEI DR	457	rural divided/freeway	6.764	7.464	0.2	0	0	0	0	0	0.11	0.01	0.59	0.59	1.29	1.84	L
MIRRABEI DR	458	urban divided	0.396	1.096	0.7	0	0	1	0	1	0.10	0.00	1.14	0.44	1.69	2.41	M
MULLIGANS FLAT RD	492	rural divided/freeway	0	0.2	0.7	1	0	1	1	3	0.56	0.00	1.09	1.08	2.74	13.68	H
MULLIGANS FLAT RD	494	rural undivided	0.2	0.5	0.2	0	0	1	0	1	0.04	0.05	0.00	0.10	0.19	0.64	L
MULLIGANS FLAT RD	495	rural divided/freeway	0.5	0.7	0.3	0	0	0	0	0	0.14	0.10	0.22	0.27	0.73	3.63	M
MULLIGANS FLAT RD	496	rural undivided	0.7	2.4	0.2	0	0	0	0	0	0.31	0.54	0.65	1.14	2.65	1.56	L
MULLIGANS FLAT RD	497	rural divided/freeway	0.064	0.364	1.7	0	0	0	0	0	0.27	0.02	0.50	0.50	1.30	4.33	H
MULLIGANS FLAT RD	498	rural divided/freeway	0.564	0.764	0.3	0	0	1	0	1	0.08	0.07	0.72	0.25	1.13	5.63	H
SANDFORD ST	559	rural divided/freeway	0.003	0.303	0.2	0	0	1	2	3	0.08	0.01	0.28	0.52	0.88	2.93	M
SANDFORD ST	561	rural divided/freeway	0.303	0.503	0.3	0	0	0	0	0	0.05	0.01	0.00	0.03	0.09	0.47	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
SANDFORD ST	560	urban divided	0.503	1.403	0.2	0	0	1	0	1	0.07	0.00	1.38	0.44	1.90	2.11	L
SANDFORD ST	562	rural divided/free way	0.044	0.344	0.9	0	0	0	0	0	0.14	0.01	0.27	0.28	0.69	2.30	M
SANDFORD ST	564	urban divided	0.544	1.444	0.3	0	0	1	1	2	0.15	0.01	2.08	1.28	3.51	3.90	H
WELL STATION DR	644	rural divided/free way	0.003	0.703	0.9	1	0	1	3	5	0.25	0.00	0.61	1.06	1.92	2.74	M
WELL STATION DR	645	rural undivided	0.703	1.203	0.7	0	0	0	0	0	0.02	0.01	0.00	0.01	0.04	0.08	L
WELL STATION DR	646	rural divided/free way	1.203	1.503	0.5	1	0	0	2	3	0.16	0.00	0.26	1.05	1.47	4.91	H
WELL STATION DR	648	rural undivided	1.503	1.703	0.3	0	0	0	0	0	0.01	0.00	0.00	0.01	0.02	0.08	L
WELL STATION DR	647	rural divided/free way	1.703	1.903	0.2	0	0	0	0	0	0.02	0.00	0.14	0.14	0.30	1.50	L
WELL STATION DR	649	rural undivided	1.903	3.503	0.2	1	0	1	0	2	0.15	0.04	0.17	0.12	0.48	0.30	L
WELL STATION DR	650	rural divided/free way	3.503	3.803	1.6	0	0	0	0	0	0.04	0.01	0.31	0.32	0.69	2.31	M
WELL STATION DR	651	rural divided/free way	0.041	0.841	0.3	1	0	0	0	1	0.32	0.00	0.41	0.40	1.12	1.40	L
WELL STATION DR	652	rural divided/free way	1.341	1.941	0.8	0	0	0	0	0	0.22	0.02	0.45	0.48	1.18	1.96	L
WELL STATION DR	653	rural divided/free way	3.541	3.841	0.6	0	0	0	0	0	0.03	0.01	0.31	0.32	0.67	2.24	L
WILLIAM SLIM DR	665	rural divided/free way	0	0.3	0.3	0	0	3	3	6	0.45	0.19	2.09	2.44	5.16	17.22	H
WILLIAM SLIM DR	666	rural undivided	0.3	0.6	0.3	0	0	0	0	0	0.11	0.16	0.00	0.28	0.55	1.84	L
WILLIAM SLIM DR	670	rural undivided	0.6	1	0.3	0	0	0	0	0	0.09	0.18	0.00	0.33	0.60	1.49	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
WILLIAM SLIM DR	667	rural divided/free way	1	1.2	0.4	0	0	0	0	0	0.23	0.09	0.13	0.21	0.66	3.31	M
WILLIAM SLIM DR	671	rural undivided	1.2	1.6	0.2	0	0	0	0	0	0.11	0.15	0.00	0.28	0.54	1.36	L
WILLIAM SLIM DR	668	rural divided/free way	1.6	1.8	0.4	3	0	0	0	3	1.25	0.15	0.13	0.25	1.79	8.93	H
WILLIAM SLIM DR	672	rural undivided	1.8	2	0.2	0	0	0	0	0	0.05	0.06	0.00	0.11	0.22	1.09	L
WILLIAM SLIM DR	669	rural divided/free way	2	2.2	0.2	0	0	0	0	0	0.23	0.00	0.13	0.13	0.49	2.43	M
WILLIAM SLIM DR	676	rural undivided	2.2	3.3	0.2	1	0	8	0	9	0.31	0.27	3.26	0.70	4.55	4.13	H
WILLIAM SLIM DR	675	rural divided/free way	3.3	3.6	1.1	0	0	0	0	0	0.53	0.00	0.49	0.49	1.50	5.02	H
WILLIAM SLIM DR	674	rural divided/free way	0.08	0.38	0.3	0	0	0	0	0	0.39	0.17	0.35	0.42	1.33	4.44	H
WILLIAM SLIM DR	677	rural divided/free way	1.08	1.28	0.3	0	0	0	0	0	0.15	0.06	0.18	0.21	0.60	2.99	M
WILLIAM SLIM DR	678	rural divided/free way	1.58	1.88	0.2	0	0	0	0	0	0.52	0.11	0.15	0.25	1.02	3.40	M
WILLIAM SLIM DR	679	rural divided/free way	1.98	2.18	0.3	0	0	0	0	0	0.12	0.02	0.14	0.15	0.44	2.19	L
WILLIAM SLIM DR	680	rural divided/free way	3.38	3.58	0.2	0	0	3	0	3	0.35	0.03	2.85	0.37	3.60	18.00	H
AIKMAN DR	4	urban divided	0.004	0.504	0.2	0	0	2	0	2	0.13	0.00	1.70	0.31	2.14	4.28	H
AIKMAN DR	5	rural divided/free way	0.504	1.404	0.5	0	0	0	1	1	0.10	0.00	0.34	0.51	0.94	1.05	L
AIKMAN DR	6	urban divided	0.066	1.466	0.9	2	0	1	2	5	0.35	0.00	1.77	1.01	3.13	2.24	L
BALDWIN DR	43	rural undivided	0	1.2	1.4	1	0	0	2	3	0.44	0.14	0.90	0.99	2.47	2.06	L
BALDWIN DR	44	rural undivided	1.197	1.597	1.2	1	0	3	0	4	0.05	0.01	0.58	0.06	0.70	1.76	L
BALDWIN DR	46	urban undivided	1.597	2.097	0.4	0	0	0	0	0	0.29	0.04	0.02	0.04	0.40	0.79	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
BALDWIN DR	48	rural undivided	2.097	2.597	0.5	0	0	0	0	0	0.03	0.01	0.00	0.02	0.07	0.13	L
BALDWIN DR	49	rural divided/free way	2.597	2.897	0.5	0	0	0	0	0	0.08	0.01	0.16	0.17	0.42	1.39	L
BALDWIN DR	51	rural undivided	2.897	3.297	0.3	0	0	0	0	0	0.04	0.02	0.00	0.03	0.09	0.22	L
BALDWIN DR	50	rural divided/free way	3.297	3.597	0.4	0	0	0	0	0	0.08	0.01	0.26	0.26	0.61	2.02	L
BINDUBI ST	87	rural undivided	0	1.7	0.3	3	0	0	2	5	0.26	0.16	0.56	0.74	1.73	1.02	L
BINDUBI ST	85	rural divided/free way	1.7	2.4	1.7	0	0	2	0	2	0.43	0.05	1.94	0.86	3.29	4.70	H
BINDUBI ST	86	urban divided	2.4	3	0.7	0	0	1	1	2	0.18	0.01	1.22	1.11	2.52	4.20	H
BINDUBI ST	83	rural divided/free way	1.772	2.672	0.6	0	0	0	1	1	0.61	0.04	0.93	1.41	2.98	3.31	M
BINDUBI ST	84	urban divided	2.672	2.972	0.9	0	0	0	1	1	0.10	0.00	0.45	1.04	1.59	5.30	H
COLLEGE ST	140	urban undivided	0	0.4	0.3	0	0	2	0	2	0.08	0.00	0.22	0.04	0.34	0.85	L
COLLEGE ST	141	urban undivided	0.4	0.8	0.4	0	0	0	1	2	0.06	0.00	0.06	0.08	0.20	0.51	L
COLLEGE ST	144	urban divided	0.8	1.1	0.4	0	0	0	0	0	0.05	0.00	0.39	0.22	0.67	2.22	L
COLLEGE ST	142	urban undivided	1.1	1.7	0.3	0	0	0	1	1	0.23	0.01	0.06	0.07	0.36	0.60	L
COLLEGE ST	143	urban divided	1.7	2.4	0.6	0	0	0	0	1	0.12	0.00	0.50	0.22	0.84	1.20	L
COLLEGE ST	146	urban divided	0.164	0.564	0.7	0	0	0	1	1	0.07	0.01	0.31	0.34	0.73	1.81	L
COLLEGE ST	145	urban divided	1.065	1.765	0.4	0	0	1	0	1	0.14	0.01	0.74	0.20	1.08	1.54	L
Eastern Valley Way	214	rural divided/free way	0	0.8	0.7	0	0	3	0	3	0.56	0.00	1.98	0.72	3.27	4.08	H
Eastern Valley Way	215	urban divided	0.8	1.3	0.8	1	0	0	2	3	0.21	0.00	0.69	1.40	2.30	4.60	H
Eastern Valley Way	216	rural divided/free way	3.972	4.872	0.5	0	0	2	1	3	0.46	0.00	1.37	1.01	2.85	3.16	M
Eastern Valley Way	217	urban divided	4.872	5.272	0.9	0	0	0	1	1	0.09	0.00	0.58	0.91	1.57	3.93	H

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
HAYDON DR	317	rural divided/free way	0	2.4	0.4	2	0	7	4	13	2.53	0.25	8.30	6.33	17.42	7.26	H
HAYDON DR	318	rural divided/free way	0.033	2.433	2.4	6	0	6	4	16	4.39	0.25	7.18	5.98	17.80	7.42	H
MARIBYRNONG AV	446	urban undivided	0	1	2.4	1	0	0	2	3	0.64	0.02	0.21	0.27	1.15	1.15	L
MARIBYRNONG AV	447	urban undivided	0.996	1.996	1	0	0	1	0	1	0.50	0.02	0.45	0.21	1.18	1.18	L
MARIBYRNONG AV	448	urban undivided	1.996	2.996	1	0	0	0	1	1	0.38	0.02	0.32	0.31	1.04	1.04	L
MARIBYRNONG AV	449	urban undivided	2.996	4.196	1	0	0	1	0	1	0.40	0.03	0.31	0.15	0.89	0.74	L
COULTER DR	172	rural divided/free way	0	2.7	1.2	1	0	0	1	2	2.04	0.04	3.04	3.52	8.64	3.20	M
COULTER DR	173	rural undivided	2.698	3.898	2.7	0	2	2	2	6	0.11	0.18	1.62	0.90	2.82	2.35	M
COULTER DR	174	rural divided/free way	3.898	4.298	1.2	2	0	0	1	3	1.16	0.09	0.29	0.78	2.31	5.78	H
COULTER DR	175	rural undivided	4.298	5.398	0.4	0	0	0	1	1	0.07	0.12	0.45	0.50	1.14	1.03	L
COULTER DR	176	rural divided/free way	5.398	5.698	1.1	1	0	0	0	1	0.66	0.07	0.10	0.20	1.03	3.42	M
COULTER DR	177	rural divided/free way	0.021	1.321	0.3	1	0	6	1	8	1.27	0.06	5.15	2.26	8.74	6.72	H
COULTER DR	178	rural divided/free way	2.321	2.821	1.3	2	0	0	0	2	0.67	0.07	0.24	0.33	1.31	2.63	M
COULTER DR	179	rural divided/free way	3.821	4.021	0.5	0	0	0	1	1	0.10	0.05	0.00	0.32	0.47	2.36	M
COULTER DR	180	rural divided/free way	0.067	1.767	0.2	3	0	6	1	10	2.28	0.01	5.56	2.69	10.54	6.20	H
EMU BANK	207	urban divided	8.161	8.461	1.7	0	0	0	0	0	0.01	0.00	0.39	0.14	0.55	1.83	L
EMU BANK	205	urban undivided	8.461	9.561	0.3	2	0	0	4	7	0.59	0.01	0.06	0.09	0.75	0.68	L
EMU BANK	206	urban divided	0.009	0.509	1.1	0	0	0	0	0	0.05	0.00	0.71	0.28	1.04	2.08	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
FAIRFAX ST	233	urban divided	3.366	3.566	0.5	0	0	0	0	0	0.03	0.00	0.14	0.07	0.24	1.20	L
FAIRFAX ST	234	rural divided/free way	3.566	4.466	0.2	4	0	1	1	6	0.76	0.01	0.63	0.67	2.08	2.31	M
FAIRFAX ST	235	urban divided	2.648	2.948	0.9	0	0	0	0	0	0.07	0.00	0.35	0.18	0.60	2.01	L
FAIRFAX ST	236	rural divided/free way	2.948	3.848	0.3	1	0	1	0	2	0.23	0.01	0.22	0.16	0.62	0.69	L
JOYNTON SMITH DR	377	urban divided	0.002	1.002	0.9	0	0	0	1	1	0.18	0.01	0.72	0.49	1.41	1.41	L
JOYNTON SMITH DR	378	urban divided	0.027	1.127	1	0	0	0	0	0	0.14	0.01	1.19	0.62	1.96	1.78	L
LUXTON S	416	urban divided	6.801	7.501	1.1	0	0	1	0	1	0.18	0.00	1.11	0.34	1.63	2.33	M
LUXTON S	417	urban divided	6.592	7.392	0.7	1	0	1	1	3	0.29	0.00	1.25	0.62	2.17	2.71	M
MACARTHUR AV	421	urban divided	0	0.2	0.8	0	0	5	2	9	0.03	0.00	3.60	1.04	4.67	23.35	H
MACARTHUR AV	423	urban undivided	0.196	0.396	0.2	0	0	0	0	0	0.04	0.00	0.02	0.01	0.08	0.39	L
MACARTHUR AV	422	urban divided	0.396	1.596	0.2	1	0	3	0	5	0.30	0.00	2.85	0.74	3.90	3.25	M
MACARTHUR AV	424	urban divided	0.048	0.248	1.2	0	0	2	0	2	0.04	0.00	1.98	0.27	2.29	11.46	H
MACARTHUR AV	425	urban divided	0.448	1.548	0.2	1	0	1	1	3	0.23	0.00	1.33	0.67	2.23	2.02	L
PARKWOOD RD	542	rural undivided	0	3	1.1	2	0	0	0	2	0.16	0.05	0.22	0.17	0.60	0.20	L
SOUTHERN CROSS DR	565	urban undivided	0.001	1.201	3	0	0	8	0	8	0.32	0.05	2.39	0.45	3.22	2.68	M
SOUTHERN CROSS DR	566	urban divided	1.201	2.301	1.2	1	0	0	2	3	0.86	0.01	0.87	1.29	3.04	2.76	M
SOUTHERN CROSS DR	567	rural divided/free way	2.301	5.301	1.1	1	0	5	2	9	2.37	0.03	5.17	3.80	11.37	3.79	M
SOUTHERN CROSS DR	569	urban divided	1.132	2.832	3	1	0	2	1	4	0.67	0.01	2.57	1.75	5.00	2.94	M
SOUTHERN CROSS DR	570	rural divided/free way	2.832	5.232	1.7	1	0	6	0	7	2.19	0.03	5.47	2.55	10.24	4.27	H
BARRY DR	54	rural divided/free way	0	2	2.4	4	0	2	1	7	1.86	0.06	0.59	0.65	3.15	1.58	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
BARRY DR	55	urban divided	1.998	2.998	2	1	0	3	3	7	0.73	0.01	1.68	0.93	3.35	3.35	M
BARRY DR	56	urban divided	2.998	3.298	1	0	0	2	3	6	0.04	0.00	1.81	1.76	3.61	12.03	H
BARRY DR	57	rural divided/free way	0.079	1.979	0.3	2	0	1	2	5	0.87	0.07	0.65	0.97	2.57	1.35	L
BARRY DR	58	urban divided	1.979	3.279	1.9	4	0	7	6	22	0.68	0.01	3.61	1.85	6.14	4.73	H
BELCONNEN WY	72	urban divided	0	1	1.3	1	0	0	0	1	0.23	0.02	0.79	0.60	1.64	1.64	L
BELCONNEN WY	73	urban divided	0.996	2.596	1	2	0	1	2	6	0.46	0.03	2.01	1.89	4.39	2.74	M
BELCONNEN WY	74	urban divided	2.596	3.296	1.6	0	0	0	1	1	0.31	0.00	0.59	0.68	1.58	2.25	L
BELCONNEN WY	75	rural divided/free way	3.296	7.996	0.7	3	0	0	11	15	3.75	0.11	3.74	7.77	15.36	3.27	M
BELCONNEN WY	76	urban divided	0.014	1.014	4.7	1	0	0	0	1	0.21	0.01	0.71	0.53	1.46	1.46	L
BELCONNEN WY	77	urban divided	1.014	2.514	1	0	0	2	1	3	0.55	0.02	1.59	0.97	3.13	2.09	L
BELCONNEN WY	78	rural divided/free way	2.514	7.414	1.5	8	0	5	9	22	5.46	0.02	5.48	6.77	17.73	3.62	M
CLARRIE HERMES DR	133	rural divided/free way	0.001	0.301	4.9	1	0	1	0	2	0.24	0.05	1.27	0.51	2.07	6.91	H
CLARRIE HERMES DR	134	rural undivided	0.301	2.801	0.3	1	0	0	4	5	0.32	0.22	0.95	1.22	2.71	1.08	L
CLARRIE HERMES DR	135	rural divided/free way	0.084	0.484	2.5	0	0	0	0	0	0.23	0.05	0.48	0.50	1.26	3.16	M
COOYONG ST	147	urban divided	4.958	6.158	0.4	1	0	7	5	16	0.39	0.01	4.43	1.71	6.53	5.44	H
COOYONG ST	148	urban divided	4.119	5.319	1.2	2	0	5	3	10	0.39	0.00	4.76	1.97	7.12	5.93	H
DRAKE BROCKMAN DR	185	rural undivided	0	1.6	1.2	1	0	0	2	3	0.19	0.04	0.54	0.40	1.17	0.73	L
DRAKE BROCKMAN DR	186	urban undivided	1.597	2.597	1.6	0	0	0	0	0	0.40	0.04	0.07	0.07	0.58	0.58	L
KELLEWAY AV	380	urban undivided	0.002	1.002	1	1	0	1	0	2	0.62	0.01	0.06	0.02	0.71	0.71	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
KELLEWAY AV	381	urban undivided	1.002	2.102	1	1	0	0	0	1	0.60	0.01	0.05	0.03	0.69	0.63	L
KERRIGAN ST	382	urban undivided	4.173	5.173	1.1	0	0	1	0	1	0.40	0.02	0.31	0.14	0.87	0.87	L
KERRIGAN ST	383	urban undivided	5.173	6.173	1	0	0	0	1	1	0.48	0.02	0.05	0.07	0.62	0.62	L
KERRIGAN ST	384	urban undivided	6.173	7.573	1	1	0	0	0	1	0.74	0.03	0.10	0.08	0.96	0.68	L
KINGSFORD SMITH DR	390	rural undivided	0	2.2	1.4	1	0	1	2	4	0.42	0.21	3.20	2.08	5.91	2.69	M
KINGSFORD SMITH DR	391	urban undivided	2.199	2.499	2.2	0	0	0	1	1	0.33	0.06	0.23	0.51	1.13	3.77	M
KINGSFORD SMITH DR	392	urban divided	2.499	3.599	0.3	1	0	0	0	1	1.36	0.03	1.25	1.19	3.83	3.48	M
KINGSFORD SMITH DR	393	rural divided/free way	3.599	7.399	1.1	3	0	10	3	18	3.60	0.31	9.47	6.00	19.37	5.10	H
KINGSFORD SMITH DR	394	rural divided/free way	0.082	4.982	3.8	3	0	11	3	17	5.59	0.44	11.92	7.71	25.67	5.24	H
KURINGA DR	399	rural divided/free way	0.003	0.203	4.9	0	0	0	0	0	0.09	0.01	0.33	0.33	0.76	3.80	M
KURINGA DR	400	rural undivided	0.203	3.303	0.2	6	2	0	1	9	0.64	0.12	0.37	0.34	1.47	0.47	L
KURINGA DR	401	rural divided/free way	0.03	0.33	3.1	0	0	0	0	0	0.10	0.01	0.33	0.33	0.77	2.58	M
OWEN DIXON DR	528	urban undivided	4.92	5.42	0.3	0	0	9	1	10	0.12	0.01	0.54	0.08	0.74	1.48	L
OWEN DIXON DR	529	rural undivided	5.42	5.72	0.5	0	0	0	0	1	0.02	0.00	0.10	0.04	0.17	0.58	L
OWEN DIXON DR	530	urban undivided	5.72	6.42	0.3	1	0	0	0	1	0.28	0.01	0.08	0.05	0.43	0.61	L
OWEN DIXON DR	531	rural undivided	6.42	8.02	0.7	2	0	1	1	4	0.40	0.07	1.12	0.57	2.16	1.35	L
SPOFFORTH ST	572	urban undivided	4.897	6.197	1.6	0	0	0	0	0	0.14	0.00	0.02	0.01	0.17	0.13	L
TILLYARD DR	613	urban divided	0	0.6	1.3	0	0	14	1	15	0.18	0.02	9.47	1.15	10.81	18.02	H
TILLYARD DR	614	urban undivided	0.6	1.6	0.6	1	0	0	0	1	0.98	0.07	0.38	0.30	1.73	1.73	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
TILLYARD DR	615	urban undivided	1.6	2.9	1	1	0	0	2	3	0.99	0.08	0.41	0.55	2.04	1.57	L
TILLYARD DR	616	rural undivided	2.9	3.1	1.3	0	0	0	0	0	0.03	0.02	0.00	0.03	0.07	0.36	L
TILLYARD DR	617	urban divided	0.038	0.738	0.2	0	0	5	0	6	0.18	0.02	4.01	0.75	4.96	7.09	H
WILLIAM HOVELL DR	656	urban freeway	10.259	10.559	0.7	0	0	0	1	1	0.04	0.02	0.00	0.20	0.26	0.86	L
WILLIAM HOVELL DR	658	rural undivided	10.559	14.559	0.3	7	0	0	2	9	0.57	0.58	0.01	1.44	2.59	0.65	L
WILLIAM HOVELL DR	659	urban freeway	14.559	15.059	4	0	0	0	2	2	0.08	0.01	0.00	0.90	0.98	1.97	L
WILLIAM HOVELL DR	660	urban freeway	15.059	18.059	0.5	3	1	1	0	5	0.62	0.06	0.00	0.58	1.27	0.42	L
WILLIAM HOVELL DR	661	urban freeway	5.712	6.112	3	0	0	1	0	1	0.13	0.01	0.00	0.14	0.28	0.69	L
WILLIAM HOVELL DR	663	urban freeway	10.212	10.612	0.4	0	0	2	0	2	0.06	0.01	0.01	0.20	0.27	0.68	L
WILLIAM HOVELL DR	664	urban freeway	10.612	13.612	0.4	3	0	0	4	7	0.54	0.04	0.00	0.88	1.47	0.49	L
ANTILL ST	11	urban freeway	0	0.5	3	4	0	0	0	4	0.25	0.01	0.00	0.22	0.48	0.95	L
ANTILL ST	12	urban freeway	0.496	1.696	0.5	1	0	1	0	2	0.19	0.03	0.00	0.26	0.48	0.40	L
ANTILL ST	13	urban freeway	1.696	3.096	1.2	1	0	1	1	3	0.30	0.03	0.01	1.20	1.55	1.10	L
ANTILL ST	14	urban freeway	3.096	4.996	1.4	0	0	5	2	8	0.13	0.00	0.02	1.06	1.21	0.64	L
ANTILL ST	15	urban freeway	0.227	1.227	1.9	1	0	2	0	3	0.10	0.00	0.01	0.30	0.41	0.41	L
ANTILL ST	16	urban freeway	1.227	2.127	1	0	0	0	0	1	0.04	0.00	0.01	0.46	0.50	0.56	L
BARTON HWY	62	urban freeway	0	3	0.9	1	0	1	2	4	0.95	0.01	0.02	1.68	2.66	0.89	L
BARTON HWY	63	urban freeway	2.999	5.099	3	3	0	0	0	3	0.84	0.04	0.00	0.24	1.12	0.53	L
BARTON HWY	64	urban freeway	5.099	9.099	2.1	1	0	1	2	4	0.98	0.03	0.02	2.22	3.26	0.81	L
BARTON HWY	65	urban freeway	9.099	11.999	4	0	0	0	0	0	0.60	0.12	0.02	1.82	2.56	0.88	L
BARTON HWY	67	urban freeway	0.042	3.742	2.9	0	0	1	2	3	0.80	0.02	0.02	1.97	2.81	0.76	L
BARTON HWY	68	urban freeway	3.742	5.942	3.7	4	1	0	1	6	1.15	0.02	0.00	0.17	1.35	0.61	L
BARTON HWY	60	urban freeway	5.942	9.342	2.2	1	0	4	1	6	1.01	0.01	0.03	1.92	2.97	0.87	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
BARTON HWY	61	urban freeway	9.342	12.042	3.4	1	0	0	0	1	0.98	0.11	0.03	2.08	3.19	1.18	L
ELLENBOROUGH ST	197	urban undivided	0	0.5	2.7	0	0	1	0	1	0.13	0.01	0.12	0.05	0.31	0.63	L
ELLENBOROUGH ST	198	rural undivided	0.5	1.3	0.5	0	0	0	1	1	0.05	0.02	0.00	0.07	0.15	0.19	L
ELLENBOROUGH ST	196	rural undivided	1.3	1.5	0.8	0	0	0	0	0	0.01	0.00	0.07	0.03	0.12	0.58	L
ELLENBOROUGH ST	199	urban undivided	1.5	1.7	0.2	0	0	0	0	0	0.05	0.01	0.00	0.01	0.07	0.34	L
ELLENBOROUGH ST	200	urban divided	1.7	2.6	0.2	0	0	0	0	0	0.11	0.01	0.75	0.51	1.38	1.54	L
ELLENBOROUGH ST	202	rural divided/freeway	0.038	1.038	0.9	0	0	5	0	5	0.22	0.04	2.01	0.65	2.91	2.91	M
FLOREY DR	262	urban undivided	0	1	1	1	0	0	0	1	0.56	0.07	0.32	0.26	1.21	1.21	L
FLOREY DR	263	urban undivided	0.999	2.199	1	0	0	2	2	4	0.40	0.07	0.44	0.36	1.26	1.05	L
GINNINDERRA DR	265	rural divided/freeway	0	3	1.2	1	0	0	1	2	1.66	0.03	2.39	2.74	6.82	2.27	L
GINNINDERRA DR	266	rural divided/freeway	2.995	5.995	3	1	0	1	2	4	1.99	0.12	2.02	2.44	6.57	2.19	L
GINNINDERRA DR	267	rural divided/freeway	5.995	10.195	3	0	0	3	0	3	2.38	0.08	3.18	2.47	8.11	1.93	L
GINNINDERRA DR	269	rural undivided	10.195	10.495	4.2	1	0	0	0	1	0.11	0.03	0.00	0.06	0.20	0.67	L
GINNINDERRA DR	268	rural divided/freeway	10.495	10.795	0.3	0	0	0	0	0	0.14	0.03	0.10	0.15	0.42	1.38	L
GINNINDERRA DR	271	rural undivided	10.795	12.195	0.3	1	1	2	3	7	0.16	0.10	0.69	0.54	1.48	1.06	L
GINNINDERRA DR	272	rural divided/freeway	0.028	3.028	1.4	1	0	5	4	10	1.73	0.01	3.67	3.31	8.73	2.91	M
GINNINDERRA DR	273	rural divided/freeway	3.028	6.028	3	3	0	3	5	11	2.33	0.09	3.92	4.79	11.12	3.71	M
GINNINDERRA DR	274	rural divided/freeway	6.028	10.228	3	2	0	1	3	6	2.68	0.12	2.91	3.61	9.31	2.22	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
GINNINDERRA DR	275	rural divided/freeway	10.528	10.928	4.2	0	0	1	0	1	0.23	0.08	0.46	0.32	1.08	2.70	M
HORSE PARK DR	328	rural divided/freeway	0	0.4	0.4	2	0	0	0	2	0.55	0.04	0.31	0.34	1.24	3.09	M
HORSE PARK DR	331	rural undivided	0.395	2.395	0.4	2	0	0	3	5	0.04	0.12	0.00	0.41	0.58	0.29	L
HORSE PARK DR	332	rural divided/freeway	2.395	5.495	2	2	1	0	3	6	1.16	0.20	1.57	2.60	5.53	1.78	L
HORSE PARK DR	333	rural divided/freeway	5.495	6.495	3.1	0	0	0	1	1	0.34	0.06	0.81	1.25	2.46	2.46	M
HORSE PARK DR	334	rural divided/freeway	6.495	6.895	1	0	0	0	0	0	0.13	0.02	0.00	0.05	0.20	0.50	L
HORSE PARK DR	336	rural divided/freeway	6.895	7.495	0.4	0	0	0	0	0	0.35	0.00	0.47	0.46	1.29	2.14	L
HORSE PARK DR	338	rural undivided	7.495	7.895	0.6	0	0	0	0	0	0.08	0.03	0.33	0.18	0.61	1.53	L
HORSE PARK DR	340	rural divided/freeway	7.895	8.195	0.4	0	0	0	1	1	0.33	0.01	0.28	0.70	1.32	4.41	H
HORSE PARK DR	341	rural divided/freeway	10.085	10.485	0.3	0	0	0	0	0	0.12	0.02	0.31	0.33	0.79	1.97	L
HORSE PARK DR	342	rural undivided	10.485	13.085	0.4	2	0	0	0	2	0.40	0.18	0.86	0.60	2.04	0.79	L
HORSE PARK DR	343	rural undivided	19.155	19.755	2.6	1	0	0	0	1	0.37	0.05	0.30	0.20	0.92	1.53	L
HORSE PARK DR	344	rural divided/freeway	0.076	0.476	0.6	0	0	0	0	0	0.40	0.05	0.46	0.48	1.38	3.46	M
HORSE PARK DR	345	rural divided/freeway	2.476	6.076	0.4	0	2	2	2	7	1.24	0.20	2.39	2.63	6.46	1.79	L
HORSE PARK DR	346	rural divided/freeway	6.076	7.676	3.6	0	0	1	3	4	1.09	0.04	1.42	2.11	4.66	2.91	M
HORSE PARK DR	347	rural divided/freeway	8.206	8.406	1.6	0	0	0	0	0	0.09	0.04	0.25	0.26	0.63	3.16	M

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
HORSE PARK DR	348	rural divided/free way	8.906	9.206	0.2	1	0	0	1	2	0.36	0.03	0.28	0.74	1.41	4.69	H
HORSE PARK DR	349	rural divided/free way	10.336	10.636	0.3	0	0	0	0	0	0.10	0.02	0.28	0.29	0.68	2.26	L
MOUAT ST	481	urban divided	0	0.2	0.3	0	0	2	2	5	0.02	0.00	0.00	0.01	0.03	0.14	L
MOUAT ST	483	urban undivided	0.2	0.5	0.2	0	0	1	3	4	0.07	0.00	0.06	0.08	0.22	0.73	L
MOUAT ST	482	urban divided	0.5	0.8	0.3	0	0	0	0	0	0.06	0.00	0.23	0.09	0.38	1.27	L
MOUAT ST	485	urban undivided	0.8	1.1	0.3	0	0	0	1	1	0.06	0.00	0.03	0.04	0.14	0.45	L
MOUAT ST	486	urban divided	0.07	0.27	0.3	0	0	0	1	1	0.02	0.00	0.32	0.58	0.91	4.55	H
MOUAT ST	487	urban divided	0.57	1.17	0.2	0	0	1	0	1	0.10	0.00	0.94	0.21	1.25	2.09	L
PHILLIP AV	543	urban divided	0	1.7	0.6	0	0	6	1	8	0.48	0.00	3.68	1.22	5.38	3.16	M
PHILLIP AV	544	urban undivided	1.699	2.899	1.7	0	0	1	1	2	0.54	0.06	0.23	0.20	1.03	0.86	L
PHILLIP AV	545	urban divided	0.096	1.696	1.2	0	0	0	0	0	0.51	0.00	1.93	1.43	3.86	2.41	M
REDFERN ST	557	urban undivided	2.607	4.107	1.6	4	0	0	1	5	0.89	0.02	0.18	0.15	1.23	0.82	L
REDFERN ST	558	urban divided	4.107	4.607	1.5	0	0	0	0	0	0.14	0.01	0.76	0.46	1.37	2.73	M
SPRINGVALE DR	573	urban undivided	0	1	0.5	0	0	4	1	5	0.26	0.02	0.81	0.26	1.35	1.35	L
SPRINGVALE DR	574	urban undivided	0.997	2.597	1	1	0	0	0	1	0.46	0.03	0.06	0.06	0.61	0.38	L
WALLAROO RD	643	rural undivided	0	1.6	1.6	0	0	1	0	1	0.12	0.01	0.18	0.07	0.38	0.24	L
MAJURA PWY	430	urban freeway	0.002	0.802	1.6	0	0	0	1	1	0.01	0.00	0.00	0.00	0.01	0.02	L
MAJURA PWY	431	urban freeway	0.802	3.802	0.8	0	0	0	1	1	0.18	0.01	0.00	0.14	0.33	0.11	L
MAJURA PWY	432	urban freeway	3.802	9.002	3	0	0	0	1	1	0.74	0.04	0.00	0.31	1.09	0.21	L
MAJURA PWY	433	urban freeway	9.002	11.002	5.2	0	0	1	2	3	0.35	0.00	0.02	1.39	1.75	0.88	L
MAJURA PWY	434	urban freeway	0.031	1.031	2	0	0	0	0	0	0.03	0.00	0.00	0.04	0.08	0.08	L
MAJURA PWY	435	urban freeway	1.031	4.031	1	0	0	0	0	0	0.10	0.01	0.00	0.04	0.16	0.05	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
MAJURA PWY	436	urban freeway	4.031	9.731	3	2	0	0	1	3	1.06	0.03	0.00	0.40	1.49	0.26	L
MAJURA PWY	437	urban freeway	9.731	11.031	5.7	0	0	2	1	3	0.25	0.00	0.01	0.38	0.64	0.49	L
BENJAMIN WY	81	urban divided	0.004	1.404	1.3	0	0	3	1	5	0.06	0.00	2.26	0.38	2.70	1.93	L
BENJAMIN WY	82	urban divided	0.015	1.415	1.4	1	0	3	3	9	0.11	0.00	2.92	0.84	3.87	2.76	M
CASWELL DR	129	urban freeway	0.048	2.948	1.4	0	0	0	1	1	0.24	0.00	0.00	0.07	0.31	0.11	L
CASWELL DR	130	rural divided/free way	0	2.8	2.9	2	0	0	1	3	0.66	0.00	0.06	0.07	0.78	0.28	L
CHEWINGS ST	132	urban undivided	0	1.4	2.8	0	0	3	2	5	0.29	0.01	0.32	0.16	0.79	0.56	L
GUNGAHLIN DR	289	rural divided/free way	0.003	4.403	1.4	2	0	0	4	6	0.86	0.00	0.12	0.17	1.16	0.26	L
GUNGAHLIN DR	290	rural divided/free way	4.403	7.403	4.4	0	0	0	6	6	0.93	0.04	0.43	0.96	2.36	0.79	L
GUNGAHLIN DR	291	rural divided/free way	7.403	10.503	3	1	0	2	1	5	1.67	0.15	2.47	2.38	6.67	2.15	L
GUNGAHLIN DR	294	rural undivided	10.503	11.003	3.1	0	0	0	0	0	0.05	0.03	0.00	0.05	0.13	0.26	L
GUNGAHLIN DR	293	rural divided/free way	11.003	11.303	0.5	0	0	0	0	0	0.23	0.03	0.16	0.20	0.61	2.04	L
GUNGAHLIN DR	295	rural undivided	11.303	12.603	0.3	1	0	2	2	5	0.26	0.10	0.12	0.34	0.81	0.63	L
GUNGAHLIN DR	296	rural divided/free way	0.016	5.816	1.3	3	0	0	6	9	1.66	0.00	0.14	0.20	2.00	0.34	L
GUNGAHLIN DR	297	rural divided/free way	5.816	8.816	5.8	1	0	0	1	2	0.79	0.09	1.42	1.77	4.07	1.36	L
GUNGAHLIN DR	298	urban divided	8.816	10.616	3	0	0	0	1	1	0.72	0.01	1.99	1.79	4.51	2.51	M
WILLIAM WEBB DR	681	urban undivided	0	1	1.8	0	0	1	0	1	0.44	0.03	0.44	0.20	1.10	1.10	L
WILLIAM WEBB DR	682	urban undivided	0.997	2.397	1	1	1	1	0	3	0.92	0.06	0.29	0.16	1.42	1.02	L
FAIRBAIRN AV	223	urban divided	0	0.4	1.4	1	0	1	0	2	0.11	0.01	1.18	0.35	1.65	4.12	H

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
FAIRBAIRN AV	224	rural divided/free way	0.398	0.698	0.4	0	0	0	0	0	0.06	0.00	0.24	0.24	0.54	1.80	L
FAIRBAIRN AV	225	urban divided	0.698	1.198	0.3	0	0	0	0	0	0.07	0.00	0.26	0.13	0.47	0.94	L
FAIRBAIRN AV	228	rural undivided	1.198	2.398	0.5	1	1	0	0	2	0.09	0.03	0.06	0.06	0.24	0.20	L
FAIRBAIRN AV	229	rural undivided	2.398	2.598	1.2	1	0	0	1	2	0.03	0.00	0.04	0.05	0.12	0.60	L
FAIRBAIRN AV	230	urban divided	2.598	3.098	0.2	2	0	0	1	3	0.11	0.00	0.38	0.37	0.87	1.74	L
FAIRBAIRN AV	232	urban undivided	3.098	3.798	0.5	1	0	0	0	1	0.18	0.01	0.00	0.01	0.20	0.29	L
FAIRBAIRN AV	219	urban divided	3.798	4.298	0.7	1	0	0	1	2	0.19	0.00	0.33	0.32	0.86	1.71	L
FAIRBAIRN AV	220	rural divided/free way	0.053	1.453	0.5	1	0	0	1	2	0.56	0.02	1.05	1.41	3.05	2.18	L
FAIRBAIRN AV	221	rural divided/free way	2.553	3.153	1.4	0	0	0	0	0	0.05	0.01	0.23	0.24	0.54	0.89	L
FAIRBAIRN AV	222	rural divided/free way	3.953	4.353	0.6	0	0	2	2	4	0.09	0.01	0.81	0.82	1.73	4.32	H
MAJURA RD	438	rural divided/free way	0	1.1	0.4	1	1	0	0	2	0.27	0.11	0.39	0.52	1.28	1.17	L
MAJURA RD	439	rural undivided	1.098	4.098	1.1	1	0	0	0	1	0.07	0.23	0.01	0.45	0.77	0.26	L
MAJURA RD	440	rural undivided	4.098	8.698	3	1	0	0	4	5	0.34	0.35	1.97	1.78	4.44	0.97	L
MAJURA RD	441	urban divided	0.02	1.22	4.6	0	0	0	1	1	0.11	0.03	0.63	0.65	1.42	1.19	L
MONARO HWY	461	urban freeway	0	4.5	1.2	2	0	0	2	4	0.49	0.01	0.00	0.17	0.67	0.15	L
MONARO HWY	462	urban freeway	4.499	7.699	4.5	2	0	0	3	5	0.66	0.03	0.00	0.53	1.22	0.38	L
MONARO HWY	463	urban freeway	7.699	13.399	3.2	8	0	4	5	18	1.56	0.03	0.03	2.50	4.12	0.72	L
MONARO HWY	464	urban freeway	13.399	16.399	5.7	0	0	0	3	3	0.48	0.08	0.01	1.64	2.21	0.74	L
MONARO HWY	465	urban freeway	16.399	17.299	3	1	0	0	0	1	0.23	0.02	0.00	0.13	0.38	0.42	L
MONARO HWY	466	rural undivided	17.299	20.299	0.9	2	0	1	1	4	0.57	0.80	0.03	1.79	3.19	1.06	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
MONARO HWY	467	rural undivided	20.299	23.299	3	2	0	0	2	4	0.55	0.87	0.02	2.19	3.63	1.21	L
MONARO HWY	468	rural undivided	23.299	26.299	3	2	1	1	1	5	0.37	1.13	2.50	2.63	6.62	2.21	L
MONARO HWY	469	rural undivided	26.299	29.299	3	1	1	2	0	4	0.48	1.13	3.32	2.39	7.32	2.44	M
MONARO HWY	470	rural undivided	29.299	32.299	3	1	0	0	1	2	0.39	0.99	0.02	2.16	3.56	1.19	L
MONARO HWY	471	rural undivided	32.299	35.799	3	0	1	0	1	2	0.41	1.23	3.63	3.30	8.57	2.45	M
MONARO HWY	472	urban freeway	0.006	4.506	3.5	0	0	0	0	0	0.70	0.01	0.00	0.17	0.88	0.20	L
MONARO HWY	473	urban freeway	4.506	8.006	4.5	2	0	0	4	6	1.03	0.03	0.01	1.53	2.59	0.74	L
MONARO HWY	474	urban freeway	8.006	13.306	3.5	2	0	1	7	10	1.33	0.03	0.02	2.82	4.19	0.79	L
MONARO HWY	475	urban freeway	13.306	16.406	5.3	2	0	0	1	3	0.36	0.10	0.01	1.57	2.04	0.66	L
MONARO HWY	476	urban freeway	16.406	17.206	3.1	0	0	0	0	0	0.25	0.01	0.00	0.20	0.47	0.58	L
NORTHBOURNE AV	513	urban divided	0	0.3	0.8	0	0	4	6	13	0.12	0.00	2.65	3.21	5.98	19.93	H
NORTHBOURNE AV	514	urban divided	0.295	1.295	0.3	3	0	0	8	13	0.66	0.00	1.12	4.28	6.06	6.06	H
NORTHBOURNE AV	515	urban divided	1.295	2.295	1	1	0	0	2	4	0.35	0.00	0.31	0.44	1.10	1.10	L
NORTHBOURNE AV	516	urban divided	2.295	3.295	1	1	0	4	2	8	0.37	0.00	2.29	1.23	3.89	3.89	H
NORTHBOURNE AV	517	urban divided	3.295	4.695	1	2	0	1	2	6	0.67	0.00	1.00	0.95	2.62	1.87	L
NORTHBOURNE AV	518	urban divided	0.002	0.402	1.4	0	0	1	4	5	0.22	0.00	1.12	2.48	3.83	9.57	H
NORTHBOURNE AV	519	urban divided	0.402	1.402	0.4	2	0	3	6	12	0.38	0.00	2.25	2.87	5.51	5.51	H
NORTHBOURNE AV	520	urban divided	1.402	2.402	1	0	0	0	10	10	0.19	0.00	0.64	2.73	3.56	3.56	M
NORTHBOURNE AV	521	urban divided	2.402	3.402	1	0	0	3	3	7	0.23	0.00	1.25	0.95	2.43	2.43	M
NORTHBOURNE AV	522	urban divided	3.402	4.702	1	1	0	7	4	13	0.34	0.00	1.67	0.87	2.88	2.21	L
APOLLO RD	17	rural undivided	12.597	15.597	1.3	0	0	0	0	0	1.02	0.07	0.00	0.11	1.20	0.40	L
APOLLO RD	18	rural undivided	15.597	18.597	3	0	0	0	0	0	2.44	0.21	0.00	0.31	2.96	0.99	L
APOLLO RD	19	rural undivided	18.597	21.997	3	0	0	0	0	0	1.66	0.11	0.00	0.17	1.95	0.57	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
BOBOYAN RD A	98	rural undivided	0	3	3.4	0	0	0	0	0	0.86	0.08	0.10	0.17	1.22	0.41	L
BOBOYAN RD A	99	rural undivided	2.999	6.799	3	3	0	0	0	3	2.61	0.24	0.32	0.49	3.66	0.96	L
BOBOYAN RD	88	rural undivided	0	3	3.8	0	0	0	0	0	0.80	0.07	0.20	0.19	1.26	0.42	L
BOBOYAN RD	89	rural undivided	2.998	5.998	3	1	0	0	0	1	0.93	0.08	0.12	0.17	1.31	0.44	L
BOBOYAN RD	90	rural undivided	5.998	8.998	3	0	0	0	0	0	1.01	0.08	0.00	0.13	1.23	0.41	L
BOBOYAN RD	91	rural undivided	8.998	11.998	3	1	0	0	0	1	1.24	0.10	0.00	0.16	1.51	0.50	L
BOBOYAN RD	92	rural undivided	11.998	14.998	3	0	0	0	0	0	3.14	0.33	0.00	0.51	3.98	1.33	L
BOBOYAN RD	93	rural undivided	14.998	17.998	3	1	0	0	0	1	3.87	0.34	0.00	0.53	4.74	1.58	L
BOBOYAN RD	94	rural undivided	17.998	20.998	3	0	0	0	1	1	3.22	0.34	0.00	0.60	4.17	1.39	L
BOBOYAN RD	95	rural undivided	20.998	23.998	3	0	0	0	0	0	3.11	0.30	0.00	0.47	3.88	1.29	L
BOBOYAN RD	96	rural undivided	23.998	26.998	3	0	1	0	0	1	4.21	0.62	0.00	0.82	5.66	1.89	L
BOBOYAN RD	97	rural undivided	26.998	32.498	3	1	0	0	0	1	8.33	1.07	0.00	1.62	11.02	2.00	L
CORIN RD	157	rural undivided	0.005	3.005	5.5	1	0	0	0	1	0.86	0.04	0.00	0.06	0.96	0.32	L
CORIN RD	158	rural undivided	3.005	6.005	3	0	0	0	1	1	1.24	0.07	0.00	0.11	1.42	0.47	L
CORIN RD	159	rural undivided	6.005	9.005	3	0	0	0	1	1	1.32	0.07	0.06	0.14	1.58	0.53	L
CORIN RD	160	rural undivided	9.005	12.005	3	1	0	0	0	1	1.45	0.07	0.00	0.10	1.61	0.54	L
CORIN RD	161	rural undivided	12.005	15.005	3	0	0	0	0	0	0.74	0.04	0.00	0.05	0.83	0.28	L
CORIN RD	162	rural undivided	15.005	18.005	3	0	0	0	0	0	0.68	0.03	0.00	0.05	0.76	0.25	L
CORIN RD	163	rural undivided	18.005	21.405	3	0	0	0	0	0	1.40	0.08	0.00	0.11	1.58	0.47	L
CORIN RD	164	rural undivided	21.405	22.305	3.4	0	0	0	0	0	0.07	0.00	0.00	0.01	0.08	0.09	L
DRAKEFORD DR	187	rural divided/freeway	0	5.9	0.9	3	0	11	2	16	3.22	0.05	5.70	3.58	12.54	2.13	L
DRAKEFORD DR	188	urban divided	5.9	7.4	5.9	1	0	1	4	6	0.73	0.01	2.89	3.84	7.47	4.98	H

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
DRAKEFORD DR	189	rural divided/freeway	7.4	9	1.5	1	0	4	2	7	1.11	0.00	2.92	2.11	6.13	3.83	M
DRAKEFORD DR	190	rural divided/freeway	0.072	3.072	1.6	3	0	4	1	8	1.56	0.01	2.30	1.64	5.52	1.84	L
DRAKEFORD DR	191	rural divided/freeway	3.072	6.172	3	0	0	0	2	2	0.95	0.02	2.07	2.67	5.70	1.84	L
DRAKEFORD DR	192	urban divided	6.172	6.572	3.1	0	0	4	0	4	0.11	0.00	3.26	0.39	3.76	9.41	H
DRAKEFORD DR	193	rural divided/freeway	6.572	8.172	0.4	0	0	0	0	0	0.58	0.00	0.54	0.53	1.64	1.02	L
DRAKEFORD DR	194	urban divided	8.172	8.672	1.6	1	0	0	4	5	0.30	0.00	0.60	1.59	2.50	5.00	H
DRAKEFORD DR	195	rural divided/freeway	8.672	9.072	0.5	0	0	0	0	0	0.14	0.00	0.44	0.43	1.01	2.52	M
JOHNSON DR	375	rural undivided	0.002	3.202	0.4	0	0	3	2	5	0.51	0.24	1.97	1.14	3.87	1.21	L
JOHNSON DR	374	rural divided/freeway	3.202	3.402	3.2	0	0	0	0	0	0.13	0.02	0.24	0.25	0.64	3.22	M
JOHNSON DR	376	rural divided/freeway	1.455	1.655	0.2	1	0	1	0	2	0.23	0.02	0.69	0.22	1.16	5.80	H
NAAS RD	499	rural undivided	0	3.3	0.2	2	0	0	0	2	0.25	0.01	0.03	0.03	0.32	0.10	L
NAAS RD	500	rural undivided	3.297	6.297	3.3	0	0	0	0	0	0.57	0.04	0.00	0.05	0.66	0.22	L
NAAS RD	501	rural undivided	6.297	11.397	3	0	0	0	0	0	0.76	0.05	0.29	0.19	1.30	0.25	L
ORRORAL RD	525	rural undivided	7.929	10.929	5.1	0	0	0	0	0	1.32	0.10	0.00	0.14	1.56	0.52	L
ORRORAL RD	526	rural undivided	10.929	13.929	3	0	0	0	0	0	0.94	0.05	0.00	0.08	1.07	0.36	L
ORRORAL RD	527	rural undivided	13.929	17.329	3	0	0	0	1	1	1.20	0.06	0.00	0.10	1.37	0.40	L
POINT HUT RD	555	rural undivided	0	3.3	3.4	1	0	0	0	1	0.22	0.02	0.13	0.07	0.44	0.13	L
POINT HUT RD	556	rural undivided	3.3	4.9	3.3	0	0	0	0	0	0.23	0.01	0.02	0.02	0.28	0.17	L
THARWA DR	597	rural undivided	0	0.4	1.6	1	0	0	0	1	0.11	0.12	0.30	0.29	0.82	2.05	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
THARWA DR	598	rural divided/free way	0.397	0.797	0.4	0	0	2	0	2	0.35	0.17	1.84	0.60	2.97	7.42	H
THARWA DR	599	rural undivided	0.797	3.297	0.4	2	0	1	1	4	0.43	0.51	1.66	1.61	4.22	1.69	L
THARWA DR	600	rural divided/free way	3.297	4.697	2.5	3	0	0	0	4	2.78	0.03	1.01	1.01	4.83	3.45	M
THARWA DR	601	urban divided	4.697	5.197	1.4	0	0	1	3	4	0.30	0.02	0.71	1.67	2.70	5.39	H
THARWA DR	602	rural undivided	5.197	6.697	0.5	0	1	2	2	5	0.22	0.56	0.63	1.46	2.88	1.92	L
THARWA DR	603	rural undivided	6.697	11.797	1.5	2	0	1	0	3	0.97	2.44	1.96	4.58	9.94	1.95	L
THARWA DR	604	urban divided	0.022	0.422	5.1	0	0	0	0	0	0.27	0.00	0.24	0.27	0.78	1.95	L
THARWA DR	605	urban divided	0.722	1.522	0.4	0	0	6	0	6	0.73	0.17	0.00	0.59	1.49	1.86	L
THARWA DR	606	urban divided	3.622	5.622	0.8	1	0	2	3	6	1.71	0.06	1.81	2.60	6.17	3.09	M
TIDBINBILLA RD	607	urban undivided	12.237	12.437	2	0	0	0	0	0	0.02	0.00	0.01	0.00	0.03	0.13	L
TIDBINBILLA RD	608	rural undivided	12.437	15.437	0.2	2	0	0	0	2	0.53	0.03	0.12	0.09	0.76	0.25	L
TIDBINBILLA RD	609	rural undivided	15.437	18.437	3	1	0	0	0	1	0.67	0.04	0.00	0.06	0.77	0.26	L
TIDBINBILLA RD	610	rural undivided	18.437	21.437	3	4	0	0	0	4	0.82	0.05	0.10	0.10	1.07	0.36	L
TIDBINBILLA RD	611	rural undivided	21.437	24.437	3	1	0	0	0	1	0.37	0.03	0.00	0.04	0.43	0.14	L
TIDBINBILLA RD	612	rural undivided	24.437	29.337	3	0	0	0	0	0	0.66	0.05	0.26	0.17	1.13	0.23	L
TUGGERANONG PWY	618	rural divided/free way	0	1	4.9	2	0	0	6	8	0.43	0.00	0.08	0.30	0.81	0.81	L
TUGGERANONG PWY	619	rural divided/free way	0.998	3.998	1	3	0	0	8	11	1.05	0.00	0.00	0.00	1.05	0.35	L
TUGGERANONG PWY	620	rural divided/free way	3.998	6.998	3	2	1	0	6	9	1.76	0.00	0.11	0.19	2.06	0.69	L
TUGGERANONG PWY	621	rural divided/free way	6.998	10.198	3	4	0	0	2	6	2.96	0.00	0.11	0.13	3.19	1.00	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
TUGGERANONG PWY	622	rural divided/freeway	10.198	10.698	3.2	1	0	0	0	1	0.45	0.00	0.51	0.50	1.47	2.94	M
TUGGERANONG PWY	623	rural divided/freeway	0.039	1.139	0.5	1	1	0	3	5	0.41	0.00	0.07	0.15	0.63	0.57	L
TUGGERANONG PWY	624	rural divided/freeway	1.139	4.139	1.1	1	0	0	6	7	0.86	0.00	0.12	0.22	1.19	0.40	L
TUGGERANONG PWY	625	rural divided/freeway	4.139	7.139	3	3	0	0	7	10	2.19	0.00	0.08	0.15	2.42	0.81	L
TUGGERANONG PWY	626	rural divided/freeway	7.139	10.739	3	4	0	1	6	12	3.46	0.01	1.13	1.74	6.34	1.76	L
WOODCOCK DR	683	rural divided/freeway	0	0.4	3.6	1	0	3	1	5	0.56	0.01	1.71	0.83	3.11	7.77	H
WOODCOCK DR	685	rural undivided	0.399	1.399	0.4	0	0	0	0	0	0.31	0.10	0.81	0.46	1.68	1.68	L
WOODCOCK DR	686	rural divided/freeway	1.399	3.199	1	0	0	0	1	1	1.04	0.23	1.70	2.31	5.28	2.93	M
WOODCOCK DR	687	rural divided/freeway	0.005	0.505	1.8	0	0	0	0	0	0.31	0.02	0.45	0.47	1.26	2.51	M
WOODCOCK DR	688	rural divided/freeway	1.605	2.305	0.5	0	0	2	0	2	0.35	0.09	1.18	0.60	2.21	3.16	M
WOODCOCK DR	689	urban divided	2.305	3.305	0.7	1	0	0	0	1	0.29	0.02	0.82	0.69	1.82	1.82	L
BRINDABELLA RD	102	rural undivided	0	5.2	1	10	1	0	1	12	3.93	0.22	0.27	0.45	4.86	0.94	L
BRINDABELLA RD	103	rural undivided	5.195	8.195	5.2	1	0	0	0	1	0.32	0.02	0.35	0.17	0.87	0.29	L
BRINDABELLA RD	104	rural undivided	8.195	11.195	3	1	0	0	0	1	0.38	0.03	0.06	0.07	0.55	0.18	L
BRINDABELLA RD	105	rural undivided	11.195	14.195	3	1	0	0	1	2	0.53	0.04	0.12	0.13	0.83	0.28	L
BRINDABELLA RD	106	rural undivided	14.195	17.195	3	1	0	0	1	2	0.91	0.06	0.00	0.11	1.09	0.36	L
BRINDABELLA RD	107	rural undivided	17.195	20.195	3	0	0	0	0	0	3.86	0.43	0.00	0.66	4.95	1.65	L
BRINDABELLA RD	108	rural undivided	20.195	25.095	3	1	0	0	0	1	5.13	0.43	0.32	0.78	6.66	1.36	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
COPPINS CROSSING RD	150	rural undivided	0	1.1	4.9	1	0	0	2	3	0.33	0.02	0.52	0.45	1.33	1.21	L
COPPINS CROSSING RD	151	rural undivided	1.097	3.497	1.1	4	0	0	0	4	1.13	0.03	0.00	0.05	1.22	0.51	L
COPPINS CROSSING RD	152	rural divided/free way	3.497	5.997	2.4	0	0	0	0	0	0.24	0.00	0.53	0.53	1.30	0.52	L
COPPINS CROSSING RD	153	rural divided/free way	3.625	6.025	2.5	0	0	0	0	0	0.24	0.00	0.49	0.49	1.22	0.51	L
COTTER RD	167	rural undivided	0	3.4	2.4	3	2	0	1	6	0.31	0.04	0.14	0.12	0.61	0.18	L
COTTER RD	168	rural undivided	3.4	6.4	3.4	3	0	0	0	3	0.43	0.03	0.00	0.05	0.52	0.17	L
COTTER RD	169	rural undivided	6.4	9.8	3	2	0	0	1	3	0.38	0.03	0.18	0.13	0.73	0.21	L
COTTER RD	170	rural undivided	9.8	12.1	3.4	1	0	2	1	4	0.14	0.01	0.34	0.13	0.62	0.27	L
COTTER RD	171	rural divided/free way	12.1	17	2.3	1	0	4	4	9	0.90	0.01	1.97	1.97	4.85	0.99	L
COTTER RD	166	rural divided/free way	0.773	5.673	4.9	1	0	9	4	14	0.82	0.01	3.13	2.34	6.30	1.29	L
FAIRLIGHT RD	237	rural undivided	7.068	9.368	4.9	1	0	0	0	1	0.14	0.01	0.01	0.01	0.17	0.07	L
KAMBAH POOL RD	379	rural undivided	5.606	10.306	2.3	2	0	0	0	2	0.15	0.02	0.07	0.05	0.28	0.06	L
NAMATJIRA DR	502	urban undivided	0	1	4.7	0	0	5	0	5	0.52	0.05	0.64	0.17	1.38	1.38	L
NAMATJIRA DR	503	urban undivided	0.996	1.996	1	0	0	4	2	6	0.40	0.05	0.66	0.36	1.46	1.46	L
NAMATJIRA DR	504	urban undivided	1.996	3.796	1	0	0	1	2	3	0.62	0.11	0.28	0.34	1.36	0.76	L
NAMATJIRA DR	505	rural undivided	3.796	4.696	1.8	0	0	0	1	1	0.12	0.12	0.35	0.49	1.09	1.21	L
PADDYS RIVER RD	532	rural undivided	0	0.6	0.9	0	1	0	1	2	0.03	0.00	0.02	0.02	0.06	0.11	L
PADDYS RIVER RD	533	rural undivided	0.6	2.1	0.6	0	0	0	1	1	0.27	0.01	0.10	0.08	0.45	0.30	L
PADDYS RIVER RD	534	rural undivided	2.1	5.1	1.5	2	0	0	0	2	0.85	0.05	0.13	0.12	1.14	0.38	L
PADDYS RIVER RD	535	rural undivided	5.1	8.1	3	1	0	0	0	1	1.15	0.07	0.08	0.14	1.43	0.48	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
PADDYS RIVER RD	536	rural undivided	8.1	11.1	3	2	0	0	0	2	1.01	0.07	0.00	0.10	1.18	0.39	L
PADDYS RIVER RD	537	rural undivided	11.1	16.8	3	2	0	0	0	2	0.56	0.05	0.24	0.17	1.03	0.18	L
STREETON DR	575	urban divided	0.002	1.002	5.7	0	0	2	1	3	0.40	0.00	2.95	1.56	4.92	4.92	H
STREETON DR	576	rural divided/free way	1.002	1.402	1	0	0	1	0	1	0.18	0.00	0.52	0.25	0.96	2.40	M
STREETON DR	577	urban divided	1.402	2.002	0.4	1	0	2	0	3	0.37	0.00	2.56	0.77	3.70	6.16	H
STREETON DR	578	urban undivided	2.002	3.002	0.6	0	0	0	0	0	0.31	0.03	0.08	0.06	0.48	0.48	L
STREETON DR	579	urban undivided	3.002	4.302	1	0	0	0	0	0	0.66	0.06	0.10	0.10	0.92	0.71	L
STREETON DR	580	rural divided/free way	0.066	1.166	1.3	0	0	1	0	1	0.78	0.00	1.63	1.14	3.55	3.23	M
STREETON DR	581	urban divided	1.166	1.866	1.1	0	0	0	0	0	0.25	0.00	0.74	0.43	1.42	2.03	L
STREETON DR	582	urban divided	1.866	2.066	0.7	0	0	2	0	2	0.24	0.00	2.10	0.32	2.65	13.24	H
URIARRA RD	627	rural undivided	0	5.6	0.2	1	0	0	0	1	0.35	0.02	0.08	0.06	0.51	0.09	L
URIARRA RD	628	rural undivided	5.597	6.097	5.6	0	0	0	0	0	0.06	0.00	0.00	0.01	0.08	0.15	L
URIARRA RD	629	rural undivided	6.097	6.297	0.5	0	0	0	0	0	0.01	0.00	0.00	0.00	0.02	0.08	L
URIARRA RD	630	rural undivided	6.297	6.597	0.2	0	0	0	0	0	0.01	0.00	0.01	0.00	0.03	0.09	L
URIARRA RD	631	rural undivided	11.768	12.368	0.3	0	0	0	0	0	0.21	0.00	0.02	0.01	0.23	0.39	L
URIARRA RD	632	rural undivided	12.367	13.067	0.6	0	0	0	0	0	0.07	0.00	0.00	0.01	0.08	0.12	L
URIARRA RD	633	rural undivided	13.067	16.067	0.7	0	0	0	0	0	0.43	0.03	0.00	0.04	0.50	0.17	L
URIARRA RD	634	rural undivided	16.067	21.067	3	1	0	0	1	2	0.63	0.03	0.00	0.05	0.72	0.14	L
URIARRA RD	635	rural undivided	21.067	22.067	5	0	0	0	0	0	0.03	0.00	0.01	0.01	0.06	0.06	L
URIARRA RD	636	rural undivided	22.067	23.567	1	1	0	0	0	1	0.04	0.00	0.01	0.01	0.06	0.04	L
ATHLLON DR	27	urban divided	0	1	1.5	2	0	2	3	7	1.24	0.01	1.41	1.91	4.57	4.57	H
ATHLLON DR	28	urban divided	1	2.5	1	0	0	0	1	1	0.65	0.01	1.16	1.63	3.45	2.30	M

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
ATHLLON DR	33	urban divided	2.5	2.7	1.5	0	0	0	0	0	0.05	0.02	0.00	0.07	0.13	0.67	L
ATHLLON DR	34	urban divided	2.7	4.6	0.2	1	0	3	2	6	0.91	0.16	3.89	3.72	8.68	4.57	H
ATHLLON DR	35	rural undivided	4.6	5	1.9	0	0	1	1	2	0.04	0.05	0.00	0.22	0.30	0.75	L
ATHLLON DR	36	rural divided/free way	5	5.7	0.4	0	0	4	0	4	0.42	0.08	3.06	0.87	4.42	6.32	H
ATHLLON DR	37	rural undivided	5.7	6.9	0.7	1	0	3	0	4	0.27	0.27	0.75	0.62	1.92	1.60	L
ATHLLON DR	38	urban divided	6.9	9.2	1.2	1	0	5	3	9	2.14	0.17	4.17	3.94	10.42	4.53	H
ATHLLON DR	39	urban divided	9.2	9.4	2.3	0	0	0	0	0	0.16	0.02	0.36	0.37	0.92	4.58	H
ATHLLON DR	40	urban undivided	9.4	10	0.2	0	0	0	0	0	0.52	0.15	0.00	0.13	0.80	1.34	L
ATHLLON DR	41	urban divided	10	11	0.6	1	0	0	0	2	0.53	0.08	1.21	1.33	3.15	3.15	M
ATHLLON DR	42	urban divided	0.037	2.737	1	1	0	6	4	11	1.97	0.01	4.50	4.05	10.53	3.90	H
ATHLLON DR	29	urban divided	2.737	4.637	2.7	0	0	3	2	5	0.67	0.16	3.24	3.24	7.31	3.85	H
ATHLLON DR	30	urban divided	5.037	5.737	1.9	0	0	1	0	1	0.36	0.02	1.41	0.92	2.71	3.87	H
ATHLLON DR	31	urban divided	6.937	9.537	0.7	3	0	0	2	5	3.37	0.18	3.17	4.67	11.39	4.38	H
ATHLLON DR	32	urban divided	10.037	11.037	2.6	0	0	0	4	5	0.24	0.06	0.87	2.86	4.03	4.03	H
ERINDALE DR	208	urban divided	0	3.4	1	1	0	6	3	10	1.29	0.01	1.49	0.44	3.23	0.95	L
ERINDALE DR	210	rural undivided	3.395	5.995	3.4	0	1	4	3	8	0.22	0.07	0.60	0.35	1.24	0.48	L
ERINDALE DR	209	rural divided/free way	5.995	6.195	2.6	0	0	0	0	0	0.02	0.00	0.15	0.15	0.32	1.59	L
ERINDALE DR	211	rural divided/free way	0.028	3.428	0.2	1	0	7	6	14	2.19	0.08	1.67	1.80	5.75	1.69	L
EUCUMBENE DR	212	urban undivided	16.003	17.303	3.4	0	0	0	0	0	0.35	0.01	0.02	0.01	0.39	0.30	L
EUCUMBENE DR	213	urban undivided	17.303	18.103	1.3	1	0	0	0	1	0.23	0.01	0.06	0.03	0.33	0.41	L
HINDMARSH DR	319	rural divided/free way	0.003	3.003	0.8	3	1	4	2	10	1.94	0.06	3.60	2.95	8.55	2.85	M

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
HINDMARSH DR	320	rural divided/freeway	3.003	8.403	3	3	0	3	4	11	2.46	0.13	3.91	4.34	10.84	2.01	L
HINDMARSH DR	321	urban divided	8.403	9.003	5.4	0	0	2	0	2	0.10	0.00	1.53	0.40	2.03	3.38	M
HINDMARSH DR	322	rural divided/freeway	9.003	12.603	0.6	4	0	10	10	24	2.32	0.06	8.07	8.06	18.52	5.14	H
HINDMARSH DR	323	rural undivided	12.603	14.503	3.6	2	0	5	0	7	0.30	0.07	2.60	0.57	3.54	1.86	L
HINDMARSH DR	324	rural divided/freeway	0.093	3.093	1.9	1	0	4	4	9	1.41	0.03	3.64	3.62	8.70	2.90	M
HINDMARSH DR	325	rural divided/freeway	3.093	6.093	3	3	0	1	8	13	1.36	0.04	0.52	1.19	3.11	1.04	L
HINDMARSH DR	326	rural divided/freeway	6.093	9.093	3	2	0	4	3	10	1.18	0.05	3.87	3.52	8.63	2.88	M
HINDMARSH DR	327	rural divided/freeway	9.093	12.593	3	2	0	18	8	28	1.73	0.04	9.49	5.80	17.06	4.87	H
ISABELLA DR	361	urban divided	0	2.2	3.5	1	0	4	3	8	1.35	0.06	3.33	3.25	7.99	3.63	M
ISABELLA DR	362	rural undivided	2.197	3.097	2.2	1	1	0	3	6	0.21	0.28	0.00	0.93	1.43	1.59	L
ISABELLA DR	363	urban divided	3.097	3.497	0.9	0	0	0	0	0	0.30	0.02	0.24	0.29	0.83	2.08	L
ISABELLA DR	365	rural undivided	3.497	6.497	0.4	0	2	1	3	6	0.50	0.74	1.46	2.07	4.77	1.59	L
ISABELLA DR	364	urban divided	6.497	6.697	3	0	0	0	0	0	0.26	0.02	0.00	0.06	0.33	1.67	L
ISABELLA DR	366	urban divided	0.043	2.343	0.2	1	0	7	0	8	2.17	0.15	3.36	1.81	7.48	3.25	M
ISABELLA DR	367	urban divided	3.243	3.843	2.3	1	1	0	1	3	0.88	0.09	0.28	0.74	1.99	3.31	M
ISABELLA DR	368	urban divided	5.743	6.043	0.6	0	0	0	0	0	0.30	0.09	0.22	0.37	0.99	3.30	M
ISABELLA DR	369	urban divided	6.643	6.943	0.3	0	0	1	1	2	0.19	0.01	0.82	0.88	1.90	6.34	H
KINGS HWY	385	rural undivided	0	5	0.3	1	0	0	0	1	0.55	2.43	5.35	5.26	13.58	2.72	M
KINGS HWY	386	rural undivided	4.997	5.697	5	0	0	0	2	2	0.06	0.20	0.85	1.41	2.52	3.60	M

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
KINGS HWY	387	rural divided/free way	5.697	6.297	0.7	0	0	0	1	1	0.63	0.00	0.00	0.00	0.64	1.06	L
KINGS HWY	388	rural undivided	6.297	7.497	0.6	0	1	0	0	1	0.48	1.13	0.02	1.36	3.00	2.50	M
KINGS HWY	389	urban freeway	0.68	1.28	1.2	3	0	0	0	3	1.89	0.00	0.00	0.24	2.13	3.55	M
LONG GULLY RD	415	rural undivided	0.003	2.203	0.6	0	1	0	1	2	0.53	0.15	0.61	0.51	1.81	0.82	L
MUGGA LA	488	rural divided/free way	0	0.3	2.2	0	0	2	1	3	0.20	0.00	0.86	0.53	1.59	5.29	H
MUGGA LA	489	rural undivided	0.299	1.999	0.3	0	0	5	2	7	0.20	0.06	0.50	0.26	1.02	0.60	L
MUGGA LA	490	rural undivided	1.999	7.499	1.7	2	0	0	1	3	0.50	0.11	0.32	0.33	1.26	0.23	L
MUGGA LA	491	rural divided/free way	0.019	0.419	5.5	0	0	0	0	0	0.32	0.00	0.35	0.35	1.02	2.55	M
SOWARD WY	571	urban undivided	7.715	9.115	0.4	0	0	1	1	2	0.19	0.01	0.10	0.05	0.34	0.24	L
SULWOOD DR	585	rural undivided	8.08	13.18	1.4	2	1	8	1	13	0.82	0.50	4.11	1.76	7.19	1.41	L
SULWOOD DR	586	rural divided/free way	13.18	13.68	5.1	0	0	0	0	0	0.35	0.10	0.86	0.87	2.19	4.37	H
SULWOOD DR	587	rural undivided	13.68	14.18	0.5	0	0	0	1	1	0.17	0.08	0.56	0.66	1.48	2.95	M
SULWOOD DR	588	rural divided/free way	0.424	0.924	0.5	0	0	0	4	4	0.46	0.03	0.62	2.90	4.01	8.02	H
TAVERNER ST	594	rural divided/free way	11.635	13.035	0.5	2	0	7	0	9	1.48	0.07	2.59	0.92	5.06	3.62	M
TAVERNER ST	595	rural divided/free way	0.067	1.567	1.4	1	0	0	0	1	1.23	0.07	1.16	1.25	3.72	2.48	M
YAMBA DR	690	rural divided/free way	0	1.4	1.5	1	0	0	0	1	1.04	0.08	0.93	1.02	3.07	2.19	L
YAMBA DR	691	urban divided	1.4	2.3	1.4	0	0	2	0	4	0.34	0.01	1.80	0.63	2.77	3.07	M
YAMBA DR	693	rural divided/free way	2.3	6.3	0.9	1	0	9	9	19	2.85	0.01	6.15	6.05	15.06	3.76	M

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
YAMBA DR	694	urban divided	0.023	1.423	4	0	0	1	0	1	0.70	0.03	2.15	1.28	4.16	2.97	M
YAMBA DR	695	urban divided	1.423	2.223	1.4	1	0	0	3	4	0.33	0.01	0.81	1.63	2.78	3.48	M
YAMBA DR	696	rural divided/free way	2.223	6.223	0.8	2	0	4	3	9	3.29	0.03	4.56	4.17	12.05	3.01	M
YAMBMELRRA	697	rural divided/free way	1.005	1.205	4	2	0	1	1	4	1.71	0.00	0.41	0.40	2.52	12.61	H
YARRYAMBRA	700	rural divided/free way	0.005	0.305	0.2	0	0	0	3	3	0.46	0.00	0.14	0.75	1.35	4.49	H
ADELAIDE AV	1	urban divided	0	2.7	0.3	1	0	0	5	6	1.98	0.49	0.35	3.73	6.56	2.43	M
ADELAIDE AV	2	urban divided	0.007	2.707	2.7	2	0	0	4	6	3.47	0.34	1.37	4.23	9.40	3.48	M
ADELWCOTTWRM RAMP	3	urban divided	0	0.8	2.7	1	0	0	0	1	1.16	0.00	0.05	0.08	1.29	1.61	L
BOWEN DR	100	urban divided	3.082	4.082	0.8	0	0	2	2	4	0.83	0.09	0.88	1.51	3.32	3.32	M
BOWEN DR	101	urban divided	3.197	4.097	1	1	0	0	1	2	1.05	0.00	0.11	0.21	1.37	1.52	L
BRISBANE AV	109	urban divided	0	1.2	0.9	1	0	7	0	8	1.00	0.00	4.42	1.42	6.84	5.70	H
BRISBANE AV	111	urban divided	0.094	0.294	1.2	0	0	0	0	0	0.19	0.00	0.25	0.28	0.72	3.58	M
BRISBANE AV	112	urban divided	0.294	1.194	0.2	0	0	4	1	5	0.57	0.00	3.72	2.07	6.36	7.07	H
CANBENORSNRM RD	113	urban divided	0.001	0.501	0.9	0	0	0	0	0	0.33	0.02	0.00	0.07	0.41	0.83	L
CANBERRA AV	125	urban divided	3.675	3.975	0.5	0	0	0	0	0	0.21	0.04	0.25	0.32	0.82	2.72	M
CANBERRA AV	126	urban divided	3.975	4.975	0.3	1	0	3	0	4	0.89	0.00	3.09	1.34	5.32	5.32	H
CANBERRA AV	127	urban divided	4.975	6.275	1	1	0	2	2	6	0.69	0.00	3.12	3.18	6.99	5.38	H
CANBERRA AV	128	urban divided	6.275	6.475	1.3	0	0	0	0	0	0.08	0.00	0.17	0.17	0.42	2.08	L
CANBERRA AV	115	urban divided	6.475	9.475	0.2	5	0	8	5	18	3.24	0.11	8.00	6.68	18.02	6.01	H
CANBERRA AV	116	urban divided	9.475	12.475	3	1	0	0	2	3	2.21	0.01	2.43	3.28	7.93	2.64	M
CANBERRA AV	117	urban divided	0.06	0.56	3	1	0	0	0	1	1.03	0.01	0.72	0.74	2.50	4.99	H

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
CANBERRA AV	118	urban divided	0.56	1.56	0.5	0	0	16	3	19	0.65	0.01	11.07	3.25	14.99	14.99	H
CANBERRA AV	119	urban divided	1.56	3.06	1	3	0	7	0	11	1.59	0.01	6.57	2.16	10.34	6.89	H
CANBERRA AV	120	urban divided	3.06	3.76	1.5	0	0	1	1	2	0.58	0.03	1.57	1.63	3.81	5.45	H
CANBERRA AV	121	urban divided	3.76	4.46	0.7	0	0	0	1	1	0.49	0.00	0.76	1.28	2.54	3.62	M
CANBERRA AV	122	urban divided	4.46	5.56	0.7	0	0	1	0	1	0.71	0.04	1.84	1.37	3.96	3.60	M
CANBERRA AV	123	urban divided	5.56	8.26	1.1	1	0	0	3	4	2.03	0.00	2.26	3.50	7.80	2.89	M
CANBERRA AV	124	urban divided	8.26	8.96	2.7	0	0	0	0	0	0.52	0.00	0.47	0.49	1.47	2.10	L
COTTEADE LERM RAMP	165	urban divided	0.001	0.601	0.7	0	0	0	1	1	0.65	0.01	0.56	1.07	2.30	3.83	M
IPSWICH ST	355	urban undivided	0.003	0.403	0.6	0	0	0	1	1	0.17	0.01	0.08	0.12	0.38	0.94	L
IPSWICH ST	356	urban divided	0.403	0.903	0.4	0	0	2	0	2	0.08	0.01	0.65	0.13	0.86	1.72	L
IPSWICH ST	357	urban undivided	0.903	1.103	0.5	0	0	0	0	0	0.06	0.00	0.08	0.05	0.20	1.00	L
IPSWICH ST	359	urban divided	0.102	0.702	0.2	0	0	1	0	1	0.13	0.01	1.57	0.60	2.31	3.85	H
MANUKA CIR	442	urban undivided	0	0.3	0.6	0	0	4	0	4	0.19	0.01	0.82	0.08	1.09	3.64	M
MANUKA CIR	443	urban divided	0.3	0.7	0.3	0	0	3	0	3	0.10	0.00	2.50	0.33	2.93	7.32	H
MANUKA CIR	444	urban undivided	0.699	0.999	0.4	0	0	4	0	4	0.18	0.01	0.68	0.06	0.94	3.13	M
MANUKA CIR	445	urban divided	0.216	0.616	0.3	0	0	3	1	4	0.13	0.00	2.80	0.86	3.79	9.49	H
MONANMO RSWRM RAMP	459	rural divided/free way	0	0.8	0.4	0	0	0	0	0	0.32	0.00	0.24	0.23	0.79	0.98	L
MONANMO RSWRM RAMP	460	rural divided/free way	0.043	0.843	0.8	1	0	3	0	4	0.68	0.01	1.95	0.72	3.36	4.19	H
MORSHEA D DR	477	rural divided/free way	0	0.7	0.8	1	0	0	0	1	0.49	0.04	0.31	0.36	1.20	1.71	L
MORSHEA D DR	478	rural divided/free way	0.696	2.796	0.7	2	0	0	1	3	1.65	0.10	0.61	0.95	3.32	1.58	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
MORSHEAD DR	479	rural divided/freeway	0.051	0.551	2.1	1	0	1	2	5	0.47	0.04	0.74	1.20	2.44	4.89	H
MORSHEAD DR	480	rural divided/freeway	0.551	2.851	0.5	5	1	0	4	10	3.00	0.22	0.88	2.08	6.18	2.69	M
Eyre St	218	rural undivided	0.002	0.402	2.3	0	0	0	0	0	0.01	0.00	0.07	0.03	0.12	0.30	L
NEWCASTLE ST	508	urban undivided	0	0.2	0.4	0	0	0	0	0	0.08	0.01	0.03	0.02	0.14	0.71	L
NEWCASTLE ST	506	urban divided	0.197	1.697	0.2	1	0	3	1	5	0.28	0.01	2.61	0.83	3.72	2.48	M
NEWCASTLE ST	509	urban undivided	1.697	1.897	1.5	0	0	0	4	5	0.11	0.01	0.02	0.16	0.30	1.48	L
NEWCASTLE ST	507	urban divided	1.897	2.797	0.2	0	0	2	2	4	0.19	0.00	2.14	1.11	3.44	3.83	M
NEWCASTLE ST	510	urban divided	0.356	1.656	0.9	3	0	0	0	3	0.53	0.01	1.15	0.55	2.24	1.72	L
NEWCASTLE ST	511	urban divided	1.856	2.856	1.3	0	0	2	1	3	0.27	0.01	2.32	0.94	3.53	3.53	M
NORSE RD	512	urban local	0.003	0.603	1	0	0	1	1	2	0.26	0.02	0.14	0.21	0.64	1.06	L
OAKS ESTATE RD	523	urban local	0	0.8	0.6	1	0	0	0	1	0.33	0.02	0.05	0.08	0.48	0.59	L
OAKS ESTATE RD	524	rural undivided	0.798	1.798	0.8	1	0	9	0	10	0.09	0.01	0.49	0.05	0.64	0.64	L
PIALLIGO AV	546	urban divided	1.32	3.22	1	0	0	1	3	4	0.62	0.01	1.16	1.60	3.39	1.78	L
PIALLIGO AV	547	urban undivided	3.22	4.12	1.9	1	0	0	0	1	0.97	0.29	0.07	0.28	1.61	1.79	L
PIALLIGO AV	548	urban undivided	4.12	4.42	0.9	0	0	0	0	0	0.07	0.10	0.00	0.08	0.25	0.83	L
PIALLIGO AV	549	urban divided	4.42	5.22	0.3	1	0	0	1	2	0.31	0.09	0.44	1.00	1.83	2.29	L
PIALLIGO AV	550	rural undivided	5.22	7.52	0.8	1	3	0	1	6	0.30	1.05	2.58	2.32	6.26	2.72	M
PIALLIGO AV	551	rural undivided	7.52	9.52	2.3	1	0	3	1	5	0.30	0.33	3.23	1.53	5.39	2.70	M
PIALLIGO AV	552	rural divided/freeway	3.273	4.073	2	0	0	0	0	0	0.48	0.10	0.90	0.94	2.42	3.02	M
PIALLIGO AV	553	urban divided	4.073	5.373	0.8	2	1	0	1	4	0.45	0.00	0.40	0.53	1.38	1.06	L
PIALLIGO AV	554	rural divided/freeway	6.573	7.273	1.3	0	0	0	1	1	0.25	0.17	0.43	0.97	1.83	2.61	M

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
SUTTON RD	589	rural undivided	4.128	4.728	0.7	0	1	0	0	1	0.08	0.05	0.00	0.06	0.20	0.33	L
SUTTON RD	590	rural undivided	4.728	9.128	0.6	2	0	0	0	2	0.35	0.14	0.24	0.32	1.05	0.24	L
SUTTON RD	591	rural undivided	9.128	12.828	4.4	0	0	0	0	0	0.47	0.20	0.01	0.35	1.02	0.28	L
SYDNEY AV	592	urban divided	0	0.6	3.7	0	0	1	0	1	0.02	0.00	0.93	0.06	1.02	1.70	L
SYDNEY AV	593	urban divided	0.023	0.623	0.6	0	0	3	0	3	0.04	0.00	1.35	0.04	1.43	2.39	M
WENTWORTH AV	654	urban divided	0.002	1.802	0.6	1	0	9	5	16	0.36	0.00	7.27	2.62	10.25	5.69	H
WENTWORTH AV	655	urban divided	0.007	1.707	1.8	3	0	7	0	10	0.50	0.00	5.41	0.93	6.84	4.02	H
ASHLEY DR	20	rural divided/free way	0	3.6	1.7	2	0	9	4	17	0.73	0.01	1.61	1.15	3.50	0.97	L
ASHLEY DR	21	urban divided	0.069	0.569	3.6	0	0	1	0	1	0.13	0.01	1.21	0.31	1.66	3.32	M
ASHLEY DR	23	rural divided/free way	0.569	0.869	0.5	1	0	1	0	2	0.30	0.00	0.17	0.07	0.54	1.80	L
ASHLEY DR	24	rural divided/free way	0.869	1.269	0.3	0	0	1	0	1	0.04	0.00	0.33	0.15	0.53	1.31	L
ASHLEY DR	25	rural divided/free way	1.269	1.469	0.4	0	0	1	0	1	0.03	0.00	0.25	0.07	0.36	1.79	L
ASHLEY DR	26	rural divided/free way	1.469	3.669	0.2	1	0	5	1	7	0.39	0.01	0.70	0.44	1.54	0.70	L
GREENHILLS DR	277	rural divided/free way	0.001	0.301	2.2	0	0	0	0	0	0.01	0.00	0.05	0.05	0.12	0.40	L
HUME PL	354	rural divided/free way	1.697	1.997	0.3	1	0	1	3	5	0.09	0.00	0.00	0.00	0.09	0.29	L
JERRABOMBERRA AV	370	urban divided	0	2	0.3	2	0	4	0	6	0.10	0.00	3.47	0.25	3.82	1.91	L
JERRABOMBERRA AV	372	urban divided	2.871	3.771	2	0	0	0	0	0	0.04	0.00	0.61	0.07	0.73	0.81	L
JERRABOMBERRA AV	373	rural divided/free way	3.771	4.871	0.9	0	0	0	1	1	0.04	0.00	0.25	0.36	0.65	0.59	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
LADY DENMAN DR	402	rural divided/free way	0.002	0.202	1.1	0	0	0	0	0	0.12	0.00	0.13	0.13	0.38	1.88	L
LADY DENMAN DR	403	rural undivided	0.202	3.202	0.2	3	2	0	1	6	0.35	0.10	0.28	0.26	0.99	0.33	L
LADY DENMAN DR	404	rural undivided	3.202	6.502	3	2	0	0	1	3	0.32	0.08	0.82	0.48	1.71	0.52	L
LANYON DR	405	rural divided/free way	0.003	1.603	3.3	1	0	0	0	1	0.43	0.01	0.46	0.48	1.39	0.87	L
LANYON DR	406	rural undivided	0.093	1.693	1.6	3	0	8	5	16	0.09	0.00	0.33	0.10	0.53	0.33	L
LAUNCESTON ST	407	urban divided	0	0.4	1.6	0	0	4	1	5	0.11	0.01	3.02	0.86	4.00	10.00	H
LAUNCESTON ST	408	urban undivided	0.396	1.496	0.4	0	0	0	0	0	0.43	0.03	0.27	0.19	0.92	0.84	L
LAUNCESTON ST	409	urban divided	1.496	2.496	1.1	1	0	1	0	3	0.53	0.01	1.93	0.95	3.41	3.41	M
LAUNCESTON ST	410	urban divided	0.16	1.16	1	1	0	6	2	9	0.56	0.01	5.77	2.26	8.60	8.60	H
MELROSE DR	450	urban divided	0	2.9	1	1	1	4	5	11	1.48	0.09	4.28	4.21	10.05	3.47	M
MELROSE DR	451	urban divided	0.03	1.03	2.9	0	0	2	2	6	0.42	0.01	1.23	1.05	2.71	2.71	M
MELROSE DR	452	urban divided	1.03	2.93	1	1	0	5	2	9	1.03	0.02	5.08	3.04	9.17	4.83	H
PARKES WY	538	urban freeway	0	3.5	1.9	3	0	1	6	10	1.26	0.00	0.00	0.44	1.70	0.49	L
PARKES WY	539	urban divided	3.497	4.497	3.5	1	0	0	0	1	2.16	0.00	0.54	1.00	3.69	3.69	M
PARKES WY	540	urban divided	4.497	5.997	1	2	0	3	4	9	3.12	0.07	1.11	2.87	7.17	4.78	H
PARKES WY	541	urban freeway	0.09	5.99	1.5	6	0	0	13	19	3.28	0.01	0.01	1.07	4.37	0.74	L
STURT AV	583	rural divided/free way	0	1.3	5.9	1	0	4	0	5	0.15	0.00	0.95	0.41	1.51	1.16	L
STURT AV	584	urban divided	0.081	1.281	1.3	0	0	1	1	2	0.07	0.00	1.68	0.32	2.07	1.72	L
YARRA GLEN	698	urban divided	0	2.5	1.2	2	0	0	2	4	2.29	0.10	0.18	0.91	3.48	1.39	L
YARRA GLEN	699	urban divided	0.021	2.621	2.5	0	0	0	0	0	1.92	0.06	0.68	1.16	3.81	1.47	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
BARTNGUNGERM RAMP	59	rural divided/freeway	4.371	4.771	2.6	0	0	0	0	0	0.32	0.00	0.04	0.04	0.41	1.02	L
BANDNGUNGNBELCWRM RAMP	52	rural divided/freeway	1.2	1.4	0.4	0	0	0	0	0	0.03	0.00	0.01	0.01	0.06	0.30	L
BANDNGUNGNRM RAMP	53	rural divided/freeway	3.07	3.27	0.2	0	0	0	0	0	0.01	0.00	0.01	0.01	0.03	0.15	L
BARTSGUNGERM RAMP	69	rural divided/freeway	1.401	1.701	0.2	0	0	0	0	0	0.13	0.00	0.04	0.04	0.21	0.70	L
BARTSGUNGWRM RAMP	70	rural divided/freeway	3.19	3.79	0.3	0	0	0	0	0	0.42	0.00	0.06	0.06	0.54	0.90	L
BELCEGUNGNRM RAMP	71	rural divided/freeway	0	0.5	0.6	0	0	0	0	0	0.22	0.00	0.54	0.53	1.29	2.58	M
BELCWGUNGS RAMP	79	rural divided/freeway	0	1	0.5	0	0	0	1	1	0.18	0.01	0.81	1.17	2.17	2.17	L
BELCWGUNGSRM OFF RM RAMP	80	rural divided/freeway	0	0.2	1	0	0	0	0	0	0.02	0.00	0.01	0.01	0.04	0.22	L
GINNEGUNGNRM RAMP	264	rural divided/freeway	0.5	0.9	0.2	0	0	0	0	0	0.16	0.00	0.06	0.06	0.28	0.71	L
GINNWGUNGSRM RAMP.	276	rural divided/freeway	5.51	6.01	0.4	1	0	1	0	2	0.30	0.00	0.12	0.06	0.48	0.95	L
GUNGNBELCWRM RAMP	301	rural divided/freeway	0	0.9	0.5	0	0	0	0	0	0.16	0.00	0.25	0.24	0.65	0.72	L
GUNGNGINNWRM RAMP	302	rural divided/freeway	0	0.5	0.9	0	0	0	0	0	0.22	0.00	0.26	0.25	0.74	1.47	L
GUNGSBELCERM RAMP	303	rural divided/freeway	7.69	8.29	0.5	0	0	0	0	0	0.38	0.00	0.46	0.45	1.30	2.16	L
GUNGSBELCWGUNGSRM RAMP	304	rural divided/freeway	0	0.4	0.6	0	0	0	0	0	0.06	0.00	0.01	0.01	0.08	0.21	L
GUNGSGINNERM RAMP	305	rural divided/freeway	5.01	5.51	0.4	0	0	0	0	0	0.31	0.00	0.25	0.24	0.80	1.60	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
GUNGEBA RTNRM RAMP	299	rural divided/free way	2.33	2.93	0.5	0	0	0	0	0	0.37	0.00	0.43	0.42	1.23	2.06	L
GUNGEBA RTSRM RAMP	300	rural divided/free way	0.001	0.301	0.6	0	0	0	0	0	0.19	0.00	0.00	0.01	0.19	0.65	L
GUNGWBA RTSRM RAMP	306	rural divided/free way	3.811	4.211	0.3	0	0	0	0	0	0.30	0.00	0.39	0.38	1.07	2.66	M
MELRYARR RA	453	rural divided/free way	0.505	0.705	0.4	0	0	0	0	0	0.17	0.00	0.00	0.00	0.17	0.84	L
VERNON CIR	638	urban divided	4.01	4.41	0.2	0	0	0	1	1	0.11	0.00	0.00	0.00	0.11	0.27	L
VERNON CIR	637	urban divided	0	0.4	0.4	1	0	0	0	1	0.28	0.00	0.10	0.04	0.42	1.05	L
WAKEFIEL D AV	639	urban undivided	0.003	0.203	0.4	0	0	0	0	1	0.01	0.00	0.01	0.00	0.02	0.10	L
WAKEFIEL D AV	640	urban undivided	0.593	0.893	0.2	0	0	0	0	0	0.01	0.00	0.02	0.01	0.03	0.11	L
WAKEFIEL D AV	642	urban undivided	1.133	1.533	0.3	0	0	2	0	2	0.02	0.00	0.04	0.01	0.06	0.16	L
WAKEFIEL D AV	641	urban divided	1.533	1.733	0.4	0	0	0	0	0	0.00	0.00	0.30	0.07	0.38	1.88	L
Glenloch Interchange North East	308	rural divided/free way	1.202	2.802	0.2	3	0	0	1	4	1.26	0.00	0.09	0.12	1.46	0.92	L
Glenloch Interchange south	316	rural divided/free way	1.303	2.803	1.6	1	0	0	1	2	0.25	0.00	0.09	0.12	0.46	0.30	L
Glenloch Interchange North loop	310	rural divided/free way	0.598	1.998	1.5	1	0	0	0	1	1.09	0.00	0.07	0.07	1.23	0.88	L
Glenloch Interchange West	315	rural divided/free way	0.002	1.802	1.4	1	0	0	1	2	1.17	0.00	0.06	0.08	1.30	0.72	L
Glenloch Interchange South West	312	rural divided/free way	0.001	1.201	1.8	0	0	0	1	1	0.49	0.00	0.06	0.08	0.64	0.53	L
Glenloch Interchange North	307	rural divided/free way	0	1.1	1.2	0	0	0	0	0	0.53	0.00	0.06	0.06	0.66	0.60	L
Glenloch Interchange South East	311	rural divided/free way	0.004	1.804	1.1	1	0	0	2	3	0.79	0.00	0.17	0.26	1.23	0.68	L

Road name	Section	Road type	Running chainage		Section length (L) (km)"	Observed FSI crashes				Total Obs. FSI	ANRAM FSI crashes				Total ANRAM FSI	Total ANRAM FSI per km	FSI crash risk (H, M, or L)
			Start	End		Run-off-road	Head on	Inter.	Other		Run-off-road	Head on	Inter.	Other			
Glenloch Interchange North West	309	rural divided/freeway	0.004	1.004	1.8	1	0	0	0	1	0.47	0.00	0.06	0.06	0.59	0.59	L
Glenloch Interchange South West loop	313	rural divided/freeway	0	0.6	1	2	0	0	0	2	0.65	0.00	0.08	0.08	0.81	1.34	L
Glenloch Interchange South link	314	rural divided/freeway	0.001	0.601	0.6	0	0	0	0	0	0.29	0.00	0.00	0.00	0.29	0.49	L

Appendix I DETERMINING ANRAM RISK BANDS - ACT Network

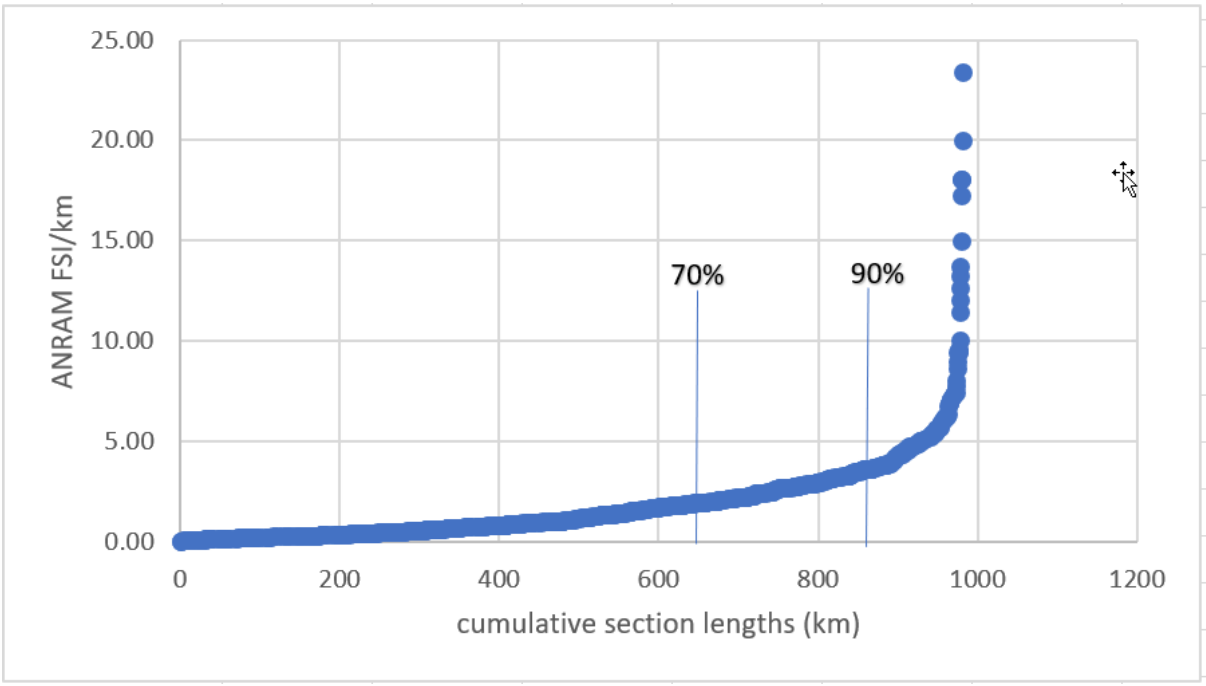
The figures below show the ANRAM FSI per km scores plotted cumulatively, in order to assist in the determination of relative high, moderate and low risk across the network. Based on the following:

- High: The highest risk category reflects the 10% of the network where the risk of a FSI crash increases substantially (i.e. greater than 90%)
- Moderate: The next 20% of the network was selected as reflecting moderate risk on the network.

ANRAM FSI PER KM (HML RANGES)

	Total
Low (L)	0.00 – 2.13
Moderate (M)	2.13 – 3.83
High (H)	3.83 – 23.35

TOTAL ANRAMFSI PER KM, CUMULATIVE RISK SCORE PLOT



Appendix J ANRAM FSI Crash Assessment Urban Roads – Tabulated results

J1 BASELINE, LOWER SPEED LIMIT, ATLM AND INTERSECTIONS ANRAM FSI CRASHES

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI
CLUNIES ROSS ST	0.00	0.20	**0**	0.01	0.00	0.06	**0.12**	0.00	0.00	0.01	**0.01**	0.00	0.00	0.01	**0.01**	0.00	0.00	0.01	**0.01**
CLUNIES ROSS ST	0.20	0.50	**0**	0.01	0.00	0.04	**0.06**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**
CLUNIES ROSS ST	0.50	1.50	**2**	0.12	0.00	0.05	**0.22**	0.12	0.00	0.05	**0.22**	0.12	0.00	0.05	**0.22**	0.12	0.00	0.05	**0.22**
CLUNIES ROSS ST	0.06	0.26	**0**	0.01	0.00	0.09	**0.18**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**
CORANDERRK ST	0.00	0.70	**5**	0.10	0.00	0.67	**1.35**	0.03	0.00	0.23	**0.34**	0.03	0.00	0.23	**0.34**	0.03	0.00	0.23	**0.34**
CORANDERRK ST	0.70	1.50	**3**	0.16	0.00	0.34	**0.57**	0.16	0.00	0.34	**0.57**	0.16	0.00	0.34	**0.57**	0.16	0.00	0.34	**0.57**
CORANDERRK ST	0.01	0.71	**7**	0.18	0.00	2.17	**3.04**	0.06	0.00	0.79	**0.95**	0.06	0.00	0.79	**0.95**	0.06	0.00	0.79	**0.95**
LIMESTONE AV	0.01	1.01	**5**	0.23	0.00	2.00	**3.58**	0.07	0.00	0.72	**1.04**	0.07	0.00	0.72	**1.04**	0.07	0.00	0.72	**1.04**
LIMESTONE AV	1.01	2.71	**6**	0.56	0.00	2.70	**4.76**	0.17	0.00	0.97	**1.41**	0.17	0.00	0.97	**1.41**	0.17	0.00	0.97	**1.41**
LIMESTONE AV	0.00	1.00	**8**	0.14	0.00	4.26	**5.63**	0.04	0.00	1.63	**1.89**	0.04	0.00	1.63	**1.89**	0.04	0.00	1.63	**1.89**
LIMESTONE AV	1.00	2.70	**9**	0.30	0.00	6.69	**8.10**	0.09	0.00	2.57	**2.86**	0.09	0.00	2.57	**2.86**	0.09	0.00	2.57	**2.86**
MAJURA AV	0.00	1.00	**3**	0.27	0.03	0.24	**0.96**	0.27	0.03	0.24	**0.96**	0.27	0.03	0.24	**0.96**	0.27	0.03	0.24	**0.96**
MAJURA AV	1.00	2.20	**9**	1.06	0.09	0.63	**2.35**	1.06	0.08	0.61	**2.29**	1.06	0.08	0.61	**2.29**	1.06	0.08	0.61	**2.29**
ANTHONY ROLFE AV	0.00	1.00	**9**	0.44	0.00	4.18	**6.25**	0.15	0.00	1.47	**1.94**	0.15	0.00	1.47	**1.94**	0.15	0.00	1.47	**1.94**
ANTHONY ROLFE AV	1.00	2.60	**4**	0.61	0.00	2.86	**5.15**	0.20	0.00	0.99	**1.51**	0.20	0.00	0.99	**1.51**	0.20	0.00	0.99	**1.51**
ANTHONY ROLFE AV	0.04	1.04	**2**	0.65	0.00	0.92	**2.71**	0.22	0.00	0.31	**0.74**	0.22	0.00	0.31	**0.74**	0.22	0.00	0.31	**0.74**
ANTHONY ROLFE AV	1.04	2.74	**6**	0.55	0.00	3.35	**5.42**	0.18	0.00	1.09	**1.54**	0.18	0.00	1.09	**1.54**	0.18	0.00	1.09	**1.54**
CURRAN DR	0.00	0.60	**0**	0.23	0.01	0.39	**1.04**	0.05	0.00	0.05	**0.16**	0.05	0.00	0.05	**0.16**	0.05	0.00	0.05	**0.16**
CURRAN DR	0.60	1.30	**1**	0.34	0.01	0.21	**0.73**	0.11	0.02	0.05	**0.20**	0.11	0.02	0.05	**0.20**	0.11	0.02	0.05	**0.20**
CURRAN DR	1.30	1.60	**1**	0.16	0.01	0.02	**0.25**	0.16	0.01	0.02	**0.25**	0.16	0.01	0.02	**0.25**	0.16	0.01	0.02	**0.25**
CURRAN DR	0.05	1.55	**3**	0.52	0.04	1.58	**2.82**	0.16	0.04	0.47	**0.78**	0.16	0.04	0.47	**0.78**	0.16	0.04	0.47	**0.78**
FEDERAL HWY	0.00	1.10	**0**	0.87	0.00	1.40	**3.64**	0.17	0.00	0.26	**0.75**	0.17	0.00	0.26	**0.75**	0.17	0.00	0.26	**0.75**
FEDERAL HWY	1.10	1.80	**0**	0.55	0.00	0.60	**1.74**	0.00	0.00	0.08	**0.19**	0.11	0.00	0.08	**0.29**	0.11	0.00	0.08	**0.29**
FEDERAL HWY	1.80	2.10	**1**	0.19	0.02	0.40	**1.60**	0.03	0.00	0.08	**0.35**	0.04	0.00	0.08	**0.35**	0.04	0.00	0.08	**0.35**
FEDERAL HWY	2.10	7.10	**2**	1.43	0.00	0.00	**1.73**	0.02	0.00	0.00	**0.32**	1.17	0.00	0.00	**1.47**	1.17	0.00	0.00	**1.47**
FEDERAL HWY	0.09	1.19	**12**	1.14	0.00	1.43	**10.37**	0.22	0.00	0.28	**2.32**	0.22	0.00	0.28	**2.32**	0.22	0.00	0.28	**2.32**
FEDERAL HWY	1.19	1.99	**1**	0.60	0.03	0.93	**3.02**	0.00	0.00	0.16	**0.47**	0.12	0.00	0.16	**0.59**	0.12	0.00	0.16	**0.59**
FEDERAL HWY	1.99	2.29	**1**	0.32	0.00	0.00	**0.32**	0.04	0.00	0.00	**0.04**	0.08	0.00	0.00	**0.08**	0.08	0.00	0.00	**0.08**
FEDERAL HWY	2.29	7.19	**3**	0.75	0.00	0.01	**1.24**	0.02	0.00	0.01	**0.51**	0.61	0.00	0.01	**1.10**	0.61	0.00	0.01	**1.10**
FLEMINGTON RD	0.00	0.60	**7**	0.22	0.32	0.23	**1.22**	0.22	0.32	0.23	**1.22**	0.22	0.32	0.23	**1.22**	0.22	0.32	0.23	**1.22**
FLEMINGTON RD	0.60	0.80	**2**	0.06	0.03	0.29	**0.67**	0.06	0.03	0.29	**0.67**	0.06	0.03	0.29	**0.67**	0.06	0.03	0.29	**0.67**
FLEMINGTON RD	0.80	1.20	**0**	0.28	0.00	0.00	**0.28**	0.10	0.00	0.00	**0.10**	0.10	0.00	0.00	**0.10**	0.10	0.00	0.00	**0.10**
FLEMINGTON RD	1.20	2.20	**3**	0.66	0.00	0.47	**1.68**	0.22	0.00	0.12	**0.43**	0.22	0.00	0.12	**0.43**	0.22	0.00	0.12	**0.43**
FLEMINGTON RD	2.20	3.30	**0**	0.43	0.00	0.63	**1.77**	0.14	0.00	0.18	**0.45**	0.14	0.00	0.18	**0.45**	0.14	0.00	0.18	**0.45**
FLEMINGTON RD	3.30	3.80	**0**	0.06	0.00	0.00	**0.06**	0.02	0.00	0.00	**0.02**	0.02	0.00	0.00	**0.02**	0.02	0.00	0.00	**0.02**
FLEMINGTON RD	3.80	4.80	**3**	0.56	0.00	0.50	**1.89**	0.18	0.00	0.14	**0.46**	0.18	0.00	0.14	**0.46**	0.18	0.00	0.14	**0.46**
FLEMINGTON RD	4.80	5.10	**0**	0.10	0.00	0.00	**0.10**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**
FLEMINGTON RD	5.10	5.80	**0**	0.27	0.00	0.23	**0.78**	0.09	0.00	0.06	**0.19**	0.09	0.00	0.06	**0.19**	0.09	0.00	0.06	**0.19**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI
FLEMINGTON RD	5.80	6.30	**3**	0.34	0.00	0.71	**1.85**	0.11	0.00	0.22	**0.49**	0.11	0.00	0.22	**0.49**	0.11	0.00	0.22	**0.49**
FLEMINGTON RD	0.60	1.00	**0**	0.22	0.00	0.00	**0.22**	0.08	0.00	0.00	**0.08**	0.08	0.00	0.00	**0.08**	0.08	0.00	0.00	**0.08**
FLEMINGTON RD	1.00	2.90	**2**	0.77	0.00	0.96	**3.36**	0.25	0.00	0.27	**0.80**	0.25	0.00	0.27	**0.80**	0.25	0.00	0.27	**0.80**
FLEMINGTON RD	2.90	3.50	**0**	0.11	0.00	0.00	**0.12**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**
FLEMINGTON RD	3.50	4.50	**1**	0.34	0.00	0.50	**1.41**	0.11	0.00	0.14	**0.34**	0.11	0.00	0.14	**0.34**	0.11	0.00	0.14	**0.34**
FLEMINGTON RD	4.50	5.70	**1**	0.54	0.00	1.04	**3.18**	0.18	0.00	0.34	**0.86**	0.18	0.00	0.34	**0.86**	0.18	0.00	0.34	**0.86**
GUNDAROO DR	0.00	0.40	**5**	0.22	0.00	1.42	**2.18**	0.04	0.00	0.17	**0.30**	0.04	0.00	0.17	**0.30**	0.04	0.00	0.17	**0.30**
GUNDAROO DR	0.40	1.70	**7**	0.31	0.11	0.38	**1.30**	0.29	0.06	0.05	**0.55**	0.29	0.06	0.05	**0.55**	0.29	0.06	0.05	**0.55**
GUNDAROO DR	1.70	2.70	**0**	0.12	0.05	0.14	**0.44**	0.11	0.03	0.02	**0.19**	0.11	0.03	0.02	**0.19**	0.11	0.03	0.02	**0.19**
GUNDAROO DR	2.70	3.40	**3**	0.74	0.00	0.79	**3.33**	0.14	0.00	0.13	**0.64**	0.14	0.00	0.13	**0.64**	0.14	0.00	0.13	**0.64**
GUNDAROO DR	3.40	4.00	**2**	0.41	0.02	0.41	**1.61**	0.15	0.03	0.12	**0.43**	0.15	0.03	0.12	**0.43**	0.15	0.03	0.12	**0.43**
GUNDAROO DR	4.00	4.20	**0**	0.07	0.01	0.20	**0.40**	0.02	0.01	0.07	**0.12**	0.02	0.01	0.07	**0.12**	0.02	0.01	0.07	**0.12**
GUNDAROO DR	4.20	5.40	**3**	0.71	0.00	1.27	**3.42**	0.23	0.00	0.46	**0.95**	0.23	0.00	0.46	**0.95**	0.23	0.00	0.46	**0.95**
GUNDAROO DR	0.03	0.43	**1**	0.16	0.00	0.30	**1.10**	0.03	0.00	0.04	**0.18**	0.03	0.00	0.04	**0.18**	0.03	0.00	0.04	**0.18**
GUNDAROO DR	2.13	2.33	**1**	0.10	0.00	0.21	**0.38**	0.02	0.00	0.02	**0.05**	0.02	0.00	0.02	**0.05**	0.02	0.00	0.02	**0.05**
GUNDAROO DR	2.83	3.93	**6**	0.51	0.01	0.95	**2.37**	0.16	0.01	0.28	**0.58**	0.16	0.01	0.28	**0.58**	0.16	0.01	0.28	**0.58**
GUNDAROO DR	4.13	5.43	**3**	1.22	0.01	0.76	**2.73**	0.25	0.00	0.09	**0.45**	0.25	0.00	0.09	**0.45**	0.25	0.00	0.09	**0.45**
HOSKINS ST	0.00	0.30	**0**	0.12	0.03	0.00	**0.18**	0.12	0.03	0.00	**0.18**	0.12	0.03	0.00	**0.18**	0.12	0.03	0.00	**0.18**
HOSKINS ST	0.30	1.80	**4**	0.51	0.01	2.02	**4.71**	0.16	0.01	0.72	**1.30**	0.16	0.01	0.72	**1.30**	0.16	0.01	0.72	**1.30**
HOSKINS ST	1.80	2.50	**1**	0.62	0.05	0.09	**0.92**	0.62	0.05	0.09	**0.92**	0.62	0.05	0.09	**0.92**	0.62	0.05	0.09	**0.92**
HOSKINS ST	0.30	2.00	**7**	0.41	0.01	3.75	**5.19**	0.13	0.01	1.22	**1.53**	0.13	0.01	1.22	**1.53**	0.13	0.01	1.22	**1.53**
KOSCIUSZKO AV	0.00	1.50	**6**	1.08	0.04	0.47	**2.02**	1.08	0.04	0.47	**2.02**	1.08	0.04	0.47	**2.02**	1.08	0.04	0.47	**2.02**
KOSCIUSZKO AV	1.50	2.00	**0**	0.14	0.00	0.19	**0.40**	0.04	0.00	0.05	**0.10**	0.04	0.00	0.05	**0.10**	0.04	0.00	0.05	**0.10**
KOSCIUSZKO AV	2.00	2.80	**0**	0.38	0.02	0.13	**0.62**	0.38	0.02	0.13	**0.62**	0.38	0.02	0.13	**0.62**	0.38	0.02	0.13	**0.62**
KOSCIUSZKO AV	0.15	0.75	**0**	0.13	0.00	0.28	**0.51**	0.04	0.00	0.08	**0.13**	0.04	0.00	0.08	**0.13**	0.04	0.00	0.08	**0.13**
LYSAGHT ST	0.00	0.80	**1**	0.11	0.00	1.14	**2.26**	0.03	0.00	0.51	**0.74**	0.03	0.00	0.51	**0.74**	0.03	0.00	0.51	**0.74**
LYSAGHT ST	0.03	0.23	**0**	0.03	0.00	0.28	**0.47**	0.01	0.00	0.13	**0.16**	0.01	0.00	0.13	**0.16**	0.01	0.00	0.13	**0.16**
LYSAGHT ST	0.23	0.83	**0**	0.08	0.00	0.79	**1.29**	0.02	0.00	0.33	**0.43**	0.02	0.00	0.33	**0.43**	0.02	0.00	0.33	**0.43**
MIRRABEI DR	0.00	0.70	**0**	0.10	0.03	0.13	**0.36**	0.10	0.02	0.02	**0.16**	0.10	0.02	0.02	**0.16**	0.10	0.02	0.02	**0.16**
MIRRABEI DR	0.70	2.80	**2**	0.32	0.14	0.54	**1.35**	0.31	0.08	0.07	**0.56**	0.31	0.08	0.07	**0.56**	0.31	0.08	0.07	**0.56**
MIRRABEI DR	6.56	6.76	**0**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**
MIRRABEI DR	6.76	7.46	**0**	0.11	0.01	0.59	**1.29**	0.02	0.00	0.08	**0.20**	0.02	0.00	0.08	**0.20**	0.02	0.00	0.08	**0.20**
MIRRABEI DR	0.40	1.10	**1**	0.10	0.00	1.14	**1.69**	0.03	0.00	0.40	**0.51**	0.03	0.00	0.40	**0.51**	0.03	0.00	0.40	**0.51**
MULLIGANS FLAT RD	0.00	0.20	**3**	0.56	0.00	1.09	**2.74**	0.00	0.00	0.32	**0.68**	0.12	0.00	0.32	**0.80**	0.12	0.00	0.32	**0.80**
MULLIGANS FLAT RD	0.20	0.50	**1**	0.04	0.05	0.00	**0.19**	0.02	0.03	0.00	**0.08**	0.04	0.03	0.00	**0.09**	0.04	0.03	0.00	**0.09**
MULLIGANS FLAT RD	0.50	0.70	**0**	0.14	0.10	0.22	**0.73**	0.03	0.01	0.04	**0.13**	0.03	0.01	0.04	**0.13**	0.03	0.01	0.04	**0.13**
MULLIGANS FLAT RD	0.70	2.40	**0**	0.31	0.54	0.65	**2.65**	0.22	0.02	0.05	**0.34**	0.30	0.32	0.09	**1.09**	0.30	0.32	0.09	**1.09**
MULLIGANS FLAT RD	0.06	0.36	**0**	0.27	0.02	0.50	**1.30**	0.06	0.00	0.14	**0.37**	0.06	0.00	0.14	**0.37**	0.06	0.00	0.14	**0.37**
MULLIGANS FLAT RD	0.56	0.76	**1**	0.08	0.07	0.72	**1.13**	0.01	0.00	0.12	**0.19**	0.01	0.00	0.12	**0.19**	0.01	0.00	0.12	**0.19**
SANDFORD ST	0.00	0.30	**3**	0.08	0.01	0.28	**0.88**	0.01	0.00	0.03	**0.12**	0.01	0.00	0.03	**0.12**	0.01	0.00	0.03	**0.12**
SANDFORD ST	0.30	0.50	**0**	0.05	0.01	0.00	**0.09**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
SANDFORD ST	0.50	1.40	**1**	0.07	0.00	1.38	**1.90**	0.02	0.00	0.49	**0.59**	0.02	0.00	0.49	**0.59**	0.02	0.00	0.49	**0.59**
SANDFORD ST	0.04	0.34	**0**	0.14	0.01	0.27	**0.69**	0.02	0.00	0.04	**0.11**	0.02	0.00	0.04	**0.11**	0.02	0.00	0.04	**0.11**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI
SANDFORD ST	0.54	1.44	**2**	0.15	0.01	2.08	**3.51**	0.04	0.01	1.03	**1.34**	0.04	0.01	1.03	**1.34**	0.04	0.01	1.03	**1.34**
WELL STATION DR	0.00	0.70	**5**	0.25	0.00	0.61	**1.92**	0.04	0.00	0.07	**0.26**	0.04	0.00	0.07	**0.26**	0.04	0.00	0.07	**0.26**
WELL STATION DR	0.70	1.20	**0**	0.02	0.01	0.00	**0.04**	0.02	0.00	0.00	**0.03**	0.02	0.00	0.00	**0.03**	0.02	0.00	0.00	**0.03**
WELL STATION DR	1.20	1.50	**3**	0.16	0.00	0.26	**1.47**	0.02	0.00	0.04	**0.24**	0.02	0.00	0.04	**0.24**	0.02	0.00	0.04	**0.24**
WELL STATION DR	1.50	1.70	**0**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
WELL STATION DR	1.70	1.90	**0**	0.02	0.00	0.14	**0.30**	0.00	0.00	0.02	**0.04**	0.00	0.00	0.02	**0.04**	0.00	0.00	0.02	**0.04**
WELL STATION DR	1.90	3.50	**2**	0.15	0.04	0.17	**0.48**	0.14	0.02	0.02	**0.22**	0.14	0.02	0.02	**0.22**	0.14	0.02	0.02	**0.22**
WELL STATION DR	3.50	3.80	**0**	0.04	0.01	0.31	**0.69**	0.01	0.00	0.05	**0.12**	0.01	0.00	0.05	**0.12**	0.01	0.00	0.05	**0.12**
WELL STATION DR	0.04	0.84	**1**	0.32	0.00	0.41	**1.12**	0.05	0.00	0.05	**0.15**	0.05	0.00	0.05	**0.15**	0.05	0.00	0.05	**0.15**
WELL STATION DR	1.34	1.94	**0**	0.22	0.02	0.45	**1.18**	0.04	0.00	0.06	**0.18**	0.04	0.00	0.06	**0.18**	0.04	0.00	0.06	**0.18**
WELL STATION DR	3.54	3.84	**0**	0.03	0.01	0.31	**0.67**	0.00	0.00	0.05	**0.12**	0.00	0.00	0.05	**0.12**	0.00	0.00	0.05	**0.12**
WILLIAM SLIM DR	0.00	0.30	**6**	0.45	0.19	2.09	**5.16**	0.09	0.00	0.39	**0.96**	0.15	0.01	0.39	**1.19**	0.15	0.01	0.39	**1.19**
WILLIAM SLIM DR	0.30	0.60	**0**	0.11	0.16	0.00	**0.55**	0.08	0.00	0.00	**0.08**	0.11	0.10	0.00	**0.30**	0.11	0.10	0.00	**0.30**
WILLIAM SLIM DR	0.60	1.00	**0**	0.09	0.18	0.00	**0.60**	0.09	0.03	0.00	**0.16**	0.09	0.12	0.00	**0.32**	0.09	0.12	0.00	**0.32**
WILLIAM SLIM DR	1.00	1.20	**0**	0.23	0.09	0.13	**0.66**	0.07	0.01	0.02	**0.13**	0.07	0.01	0.02	**0.13**	0.07	0.01	0.02	**0.13**
WILLIAM SLIM DR	1.20	1.60	**0**	0.11	0.15	0.00	**0.54**	0.13	0.11	0.00	**0.34**	0.13	0.11	0.00	**0.34**	0.13	0.11	0.00	**0.34**
WILLIAM SLIM DR	1.60	1.80	**3**	1.25	0.15	0.13	**1.79**	0.00	0.01	0.02	**0.09**	0.31	0.01	0.02	**0.40**	0.31	0.01	0.02	**0.40**
WILLIAM SLIM DR	1.80	2.00	**0**	0.05	0.06	0.00	**0.22**	0.03	0.04	0.00	**0.11**	0.05	0.04	0.00	**0.14**	0.05	0.04	0.00	**0.14**
WILLIAM SLIM DR	2.00	2.20	**0**	0.23	0.00	0.13	**0.49**	0.07	0.00	0.02	**0.10**	0.07	0.00	0.02	**0.10**	0.07	0.00	0.02	**0.10**
WILLIAM SLIM DR	2.20	3.30	**9**	0.31	0.27	3.26	**4.55**	0.11	0.00	0.25	**0.40**	0.29	0.16	0.53	**1.23**	0.29	0.16	0.46	**1.14**
WILLIAM SLIM DR	3.30	3.60	**0**	0.53	0.00	0.49	**1.50**	0.00	0.00	0.13	**0.29**	0.23	0.00	0.13	**0.52**	0.23	0.00	0.13	**0.52**
WILLIAM SLIM DR	0.08	0.38	**0**	0.39	0.17	0.35	**1.33**	0.13	0.01	0.06	**0.31**	0.13	0.01	0.06	**0.31**	0.13	0.01	0.06	**0.31**
WILLIAM SLIM DR	1.08	1.28	**0**	0.15	0.06	0.18	**0.60**	0.04	0.00	0.03	**0.11**	0.04	0.00	0.03	**0.11**	0.04	0.00	0.03	**0.11**
WILLIAM SLIM DR	1.58	1.88	**0**	0.52	0.11	0.15	**1.02**	0.00	0.01	0.02	**0.07**	0.25	0.01	0.02	**0.32**	0.25	0.01	0.02	**0.32**
WILLIAM SLIM DR	1.98	2.18	**0**	0.12	0.02	0.14	**0.44**	0.03	0.00	0.02	**0.07**	0.03	0.00	0.02	**0.07**	0.03	0.00	0.02	**0.07**
WILLIAM SLIM DR	3.38	3.58	**3**	0.35	0.03	2.85	**3.60**	0.15	0.00	1.05	**1.36**	0.15	0.00	1.05	**1.36**	0.15	0.00	1.05	**1.36**
AIKMAN DR	0.00	0.50	**2**	0.13	0.00	1.70	**2.14**	0.04	0.00	0.68	**0.77**	0.04	0.00	0.68	**0.77**	0.04	0.00	0.68	**0.77**
AIKMAN DR	0.50	1.40	**1**	0.10	0.00	0.34	**0.94**	0.02	0.00	0.04	**0.12**	0.02	0.00	0.04	**0.12**	0.02	0.00	0.04	**0.12**
AIKMAN DR	0.07	1.47	**5**	0.35	0.00	1.77	**3.13**	0.11	0.00	0.61	**0.88**	0.11	0.00	0.61	**0.88**	0.11	0.00	0.61	**0.88**
BALDWIN DR	0.00	1.20	**3**	0.44	0.14	0.90	**2.47**	0.41	0.08	0.15	**0.96**	0.41	0.08	0.15	**0.96**	0.41	0.08	0.15	**0.96**
BALDWIN DR	1.20	1.60	**4**	0.05	0.01	0.58	**0.70**	0.09	0.01	0.10	**0.23**	0.09	0.01	0.10	**0.23**	0.09	0.01	0.10	**0.23**
BALDWIN DR	1.60	2.10	**0**	0.29	0.04	0.02	**0.40**	0.22	0.03	0.00	**0.27**	0.22	0.03	0.00	**0.27**	0.22	0.03	0.00	**0.27**
BALDWIN DR	2.10	2.60	**0**	0.03	0.01	0.00	**0.07**	0.04	0.01	0.00	**0.05**	0.04	0.01	0.00	**0.05**	0.04	0.01	0.00	**0.05**
BALDWIN DR	2.60	2.90	**0**	0.08	0.01	0.16	**0.42**	0.02	0.00	0.02	**0.06**	0.02	0.00	0.02	**0.06**	0.02	0.00	0.02	**0.06**
BALDWIN DR	2.90	3.30	**0**	0.04	0.02	0.00	**0.09**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**
BALDWIN DR	3.30	3.60	**0**	0.08	0.01	0.26	**0.61**	0.02	0.00	0.04	**0.10**	0.02	0.00	0.04	**0.10**	0.02	0.00	0.04	**0.10**
BINDUBI ST	0.00	1.70	**5**	0.26	0.16	0.56	**1.73**	0.10	0.00	0.04	**0.18**	0.24	0.09	0.08	**0.63**	0.24	0.09	0.08	**0.63**
BINDUBI ST	1.70	2.40	**2**	0.43	0.05	1.94	**3.29**	0.08	0.00	0.35	**0.62**	0.08	0.00	0.35	**0.62**	0.08	0.00	0.35	**0.62**
BINDUBI ST	2.40	3.00	**2**	0.18	0.01	1.22	**2.52**	0.06	0.01	0.47	**0.78**	0.06	0.01	0.47	**0.78**	0.06	0.01	0.47	**0.78**
BINDUBI ST	1.77	2.67	**1**	0.61	0.04	0.93	**2.98**	0.00	0.00	0.15	**0.42**	0.11	0.00	0.15	**0.53**	0.11	0.00	0.15	**0.53**
BINDUBI ST	2.67	2.97	**1**	0.10	0.00	0.45	**1.59**	0.00	0.00	0.21	**0.51**	0.03	0.00	0.21	**0.54**	0.03	0.00	0.21	**0.54**
COLLEGE ST	0.00	0.40	**2**	0.08	0.00	0.22	**0.34**	0.08	0.00	0.22	**0.34**	0.08	0.00	0.22	**0.34**	0.08	0.00	0.22	**0.34**
COLLEGE ST	0.40	0.80	**2**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI
COLLEGE ST	0.80	1.10	**0**	0.05	0.00	0.39	**0.67**	0.02	0.01	0.16	**0.23**	0.02	0.01	0.16	**0.23**	0.02	0.01	0.16	**0.23**
COLLEGE ST	1.10	1.70	**1**	0.23	0.01	0.06	**0.36**	0.23	0.01	0.06	**0.36**	0.23	0.01	0.06	**0.36**	0.23	0.01	0.06	**0.36**
COLLEGE ST	1.70	2.40	**1**	0.12	0.00	0.50	**0.84**	0.04	0.00	0.15	**0.22**	0.04	0.00	0.15	**0.22**	0.04	0.00	0.15	**0.22**
COLLEGE ST	0.16	0.56	**1**	0.07	0.01	0.31	**0.73**	0.02	0.01	0.10	**0.18**	0.02	0.01	0.10	**0.18**	0.02	0.01	0.10	**0.18**
COLLEGE ST	1.07	1.77	**1**	0.14	0.01	0.74	**1.08**	0.04	0.01	0.22	**0.29**	0.04	0.01	0.22	**0.29**	0.04	0.01	0.22	**0.29**
Eastern Valley Way	0.00	0.80	**3**	0.56	0.00	1.98	**3.27**	0.13	0.00	0.29	**0.55**	0.13	0.00	0.29	**0.55**	0.13	0.00	0.29	**0.55**
Eastern Valley Way	0.80	1.30	**3**	0.21	0.00	0.69	**2.30**	0.06	0.00	0.31	**0.67**	0.06	0.00	0.31	**0.67**	0.06	0.00	0.31	**0.67**
Eastern Valley Way	3.97	4.87	**3**	0.46	0.00	1.37	**2.85**	0.10	0.00	0.18	**0.44**	0.10	0.00	0.18	**0.44**	0.10	0.00	0.18	**0.44**
Eastern Valley Way	4.87	5.27	**1**	0.09	0.00	0.58	**1.57**	0.03	0.00	0.27	**0.50**	0.03	0.00	0.27	**0.50**	0.03	0.00	0.27	**0.50**
HAYDON DR	0.00	2.40	**13**	2.53	0.25	8.30	**17.42**	0.00	0.01	1.95	**3.75**	0.50	0.01	1.95	**4.24**	0.50	0.01	1.89	**4.14**
HAYDON DR	0.03	2.43	**16**	4.39	0.25	7.18	**17.80**	0.01	0.01	1.54	**3.12**	0.91	0.01	1.54	**4.02**	0.91	0.01	1.51	**3.96**
MARIBYRNONG AV	0.00	1.00	**3**	0.64	0.02	0.21	**1.15**	0.64	0.02	0.21	**1.15**	0.64	0.02	0.21	**1.15**	0.64	0.02	0.21	**1.15**
MARIBYRNONG AV	1.00	2.00	**1**	0.50	0.02	0.45	**1.18**	0.50	0.02	0.45	**1.18**	0.50	0.02	0.45	**1.18**	0.50	0.02	0.45	**1.18**
MARIBYRNONG AV	2.00	3.00	**1**	0.38	0.02	0.32	**1.04**	0.38	0.02	0.32	**1.04**	0.38	0.02	0.32	**1.04**	0.38	0.02	0.32	**1.04**
MARIBYRNONG AV	3.00	4.20	**1**	0.40	0.03	0.31	**0.89**	0.40	0.03	0.31	**0.89**	0.40	0.03	0.31	**0.89**	0.40	0.03	0.31	**0.89**
COULTER DR	0.00	2.70	**2**	2.04	0.04	3.04	**8.64**	0.37	0.00	0.51	**1.61**	0.37	0.00	0.51	**1.61**	0.37	0.00	0.51	**1.61**
COULTER DR	2.70	3.90	**6**	0.11	0.18	1.62	**2.82**	0.05	0.00	0.13	**0.28**	0.10	0.10	0.28	**0.77**	0.10	0.10	0.28	**0.77**
COULTER DR	3.90	4.30	**3**	1.16	0.09	0.29	**2.31**	0.24	0.00	0.04	**0.42**	0.24	0.00	0.04	**0.42**	0.24	0.00	0.04	**0.42**
COULTER DR	4.30	5.40	**1**	0.07	0.12	0.45	**1.14**	0.06	0.07	0.06	**0.34**	0.06	0.07	0.06	**0.34**	0.06	0.07	0.06	**0.34**
COULTER DR	5.40	5.70	**1**	0.66	0.07	0.10	**1.03**	0.14	0.00	0.01	**0.18**	0.14	0.00	0.01	**0.18**	0.14	0.00	0.01	**0.18**
COULTER DR	0.02	1.32	**8**	1.27	0.06	5.15	**8.74**	0.24	0.00	0.99	**1.76**	0.24	0.00	0.99	**1.76**	0.24	0.00	0.99	**1.76**
COULTER DR	2.32	2.82	**2**	0.67	0.07	0.24	**1.31**	0.11	0.00	0.03	**0.19**	0.11	0.00	0.03	**0.19**	0.11	0.00	0.03	**0.19**
COULTER DR	3.82	4.02	**1**	0.10	0.05	0.00	**0.47**	0.02	0.00	0.00	**0.06**	0.02	0.00	0.00	**0.06**	0.02	0.00	0.00	**0.06**
COULTER DR	0.07	1.77	**10**	2.28	0.01	5.56	**10.54**	0.44	0.00	1.04	**2.10**	0.44	0.00	1.04	**2.10**	0.44	0.00	1.04	**2.10**
EMU BANK	8.16	8.46	**0**	0.01	0.00	0.39	**0.55**	0.00	0.00	0.17	**0.19**	0.00	0.00	0.17	**0.19**	0.00	0.00	0.17	**0.19**
EMU BANK	8.46	9.56	**7**	0.59	0.01	0.06	**0.75**	0.59	0.01	0.06	**0.75**	0.59	0.01	0.06	**0.75**	0.59	0.01	0.06	**0.75**
EMU BANK	0.01	0.51	**0**	0.05	0.00	0.71	**1.04**	0.01	0.00	0.32	**0.38**	0.01	0.00	0.32	**0.38**	0.01	0.00	0.32	**0.38**
FAIRFAX ST	3.37	3.57	**0**	0.03	0.00	0.14	**0.24**	0.01	0.00	0.04	**0.07**	0.01	0.00	0.04	**0.07**	0.01	0.00	0.04	**0.07**
FAIRFAX ST	3.57	4.47	**6**	0.76	0.01	0.63	**2.08**	0.04	0.00	0.07	**0.21**	0.12	0.00	0.07	**0.29**	0.12	0.00	0.07	**0.29**
FAIRFAX ST	2.65	2.95	**0**	0.07	0.00	0.35	**0.60**	0.02	0.00	0.13	**0.19**	0.02	0.00	0.13	**0.19**	0.02	0.00	0.13	**0.19**
FAIRFAX ST	2.95	3.85	**2**	0.23	0.01	0.22	**0.62**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**
JOYNTON SMITH DR	0.00	1.00	**1**	0.18	0.01	0.72	**1.41**	0.06	0.01	0.22	**0.36**	0.06	0.01	0.22	**0.36**	0.06	0.01	0.22	**0.36**
JOYNTON SMITH DR	0.03	1.13	**0**	0.14	0.01	1.19	**1.96**	0.04	0.01	0.43	**0.59**	0.04	0.01	0.43	**0.59**	0.04	0.01	0.43	**0.59**
LUXTON S	6.80	7.50	**1**	0.18	0.00	1.11	**1.63**	0.05	0.01	0.38	**0.50**	0.05	0.01	0.38	**0.50**	0.05	0.01	0.38	**0.50**
LUXTON S	6.59	7.39	**3**	0.29	0.00	1.25	**2.17**	0.09	0.00	0.44	**0.64**	0.09	0.00	0.44	**0.64**	0.09	0.00	0.44	**0.64**
MACARTHUR AV	0.00	0.20	**9**	0.03	0.00	3.60	**4.67**	0.01	0.00	1.68	**1.91**	0.01	0.00	1.68	**1.91**	0.01	0.00	1.68	**1.91**
MACARTHUR AV	0.20	0.40	**0**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**
MACARTHUR AV	0.40	1.60	**5**	0.30	0.00	2.85	**3.90**	0.09	0.00	1.07	**1.29**	0.09	0.00	1.07	**1.29**	0.09	0.00	1.07	**1.29**
MACARTHUR AV	0.05	0.25	**2**	0.04	0.00	1.98	**2.29**	0.01	0.00	1.20	**1.29**	0.01	0.00	1.20	**1.29**	0.01	0.00	1.20	**1.29**
MACARTHUR AV	0.45	1.55	**3**	0.23	0.00	1.33	**2.23**	0.07	0.00	0.43	**0.61**	0.07	0.00	0.43	**0.61**	0.07	0.00	0.43	**0.61**
SOUTHERN CROSS DR	0.00	1.20	**8**	0.32	0.05	2.39	**3.22**	0.06	0.02	1.30	**1.65**	0.06	0.02	1.30	**1.65**	0.06	0.02	1.30	**1.65**
SOUTHERN CROSS DR	1.20	2.30	**3**	0.86	0.01	0.87	**3.04**	0.20	0.00	0.05	**0.34**	0.20	0.00	0.05	**0.34**	0.20	0.00	0.05	**0.34**
SOUTHERN CROSS DR	2.30	5.30	**9**	2.37	0.03	5.17	**11.37**	0.32	0.00	0.79	**1.82**	0.46	0.00	0.79	**1.95**	0.46	0.00	0.76	**1.90**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI
SOUTHERN CROSS DR	1.13	2.83	**4**	0.67	0.01	2.57	**5.00**	0.18	0.00	0.35	**0.89**	0.18	0.00	0.35	**0.89**	0.18	0.00	0.35	**0.89**
SOUTHERN CROSS DR	2.83	5.23	**7**	2.19	0.03	5.47	**10.24**	0.27	0.00	0.89	**1.66**	0.43	0.00	0.89	**1.82**	0.43	0.00	0.85	**1.76**
BARRY DR	0.00	2.00	**7**	1.86	0.06	0.59	**3.15**	0.18	0.00	0.06	**0.32**	0.32	0.00	0.06	**0.46**	0.32	0.00	0.06	**0.46**
BARRY DR	2.00	3.00	**7**	0.73	0.01	1.68	**3.35**	0.21	0.00	0.12	**0.48**	0.21	0.00	0.12	**0.48**	0.21	0.00	0.12	**0.48**
BARRY DR	3.00	3.30	**6**	0.04	0.00	1.81	**3.61**	0.01	0.00	0.25	**0.68**	0.01	0.00	0.25	**0.68**	0.01	0.00	0.25	**0.68**
BARRY DR	0.08	1.98	**5**	0.87	0.07	0.65	**2.57**	0.02	0.00	0.07	**0.21**	0.14	0.00	0.07	**0.33**	0.14	0.00	0.07	**0.33**
BARRY DR	1.98	3.28	**22**	0.68	0.01	3.61	**6.14**	0.20	0.01	1.15	**1.66**	0.21	0.01	1.15	**1.67**	0.21	0.01	1.15	**1.67**
BELCONNEN WY	0.00	1.00	**1**	0.23	0.02	0.79	**1.64**	0.06	0.00	0.08	**0.25**	0.06	0.00	0.08	**0.25**	0.06	0.00	0.08	**0.25**
BELCONNEN WY	1.00	2.60	**6**	0.46	0.03	2.01	**4.39**	0.14	0.03	0.70	**1.23**	0.14	0.03	0.70	**1.23**	0.14	0.03	0.70	**1.23**
BELCONNEN WY	2.60	3.30	**1**	0.31	0.00	0.59	**1.58**	0.10	0.00	0.19	**0.41**	0.10	0.00	0.19	**0.41**	0.10	0.00	0.19	**0.41**
BELCONNEN WY	3.30	8.00	**15**	3.75	0.11	3.74	**15.36**	0.01	0.01	0.50	**1.81**	0.68	0.01	0.50	**2.48**	0.68	0.01	0.50	**2.48**
BELCONNEN WY	0.01	1.01	**1**	0.21	0.01	0.71	**1.46**	0.05	0.00	0.07	**0.22**	0.05	0.00	0.07	**0.22**	0.05	0.00	0.07	**0.22**
BELCONNEN WY	1.01	2.51	**3**	0.55	0.02	1.59	**3.13**	0.15	0.00	0.15	**0.47**	0.15	0.00	0.15	**0.47**	0.15	0.00	0.15	**0.47**
BELCONNEN WY	2.51	7.41	**22**	5.46	0.02	5.48	**17.73**	0.01	0.00	0.73	**1.84**	1.00	0.00	0.73	**2.83**	1.00	0.00	0.73	**2.83**
CLARRIE HERMES DR	0.00	0.30	**2**	0.24	0.05	1.27	**2.07**	0.04	0.00	0.37	**0.59**	0.04	0.00	0.37	**0.59**	0.04	0.00	0.37	**0.59**
CLARRIE HERMES DR	0.30	2.80	**5**	0.32	0.22	0.95	**2.71**	0.14	0.00	0.12	**0.53**	0.50	0.10	0.24	**1.86**	0.50	0.10	0.24	**1.86**
CLARRIE HERMES DR	0.08	0.48	**0**	0.23	0.05	0.48	**1.26**	0.04	0.00	0.09	**0.24**	0.04	0.00	0.09	**0.24**	0.04	0.00	0.09	**0.24**
COOYONG ST	4.96	6.16	**16**	0.39	0.01	4.43	**6.53**	0.12	0.01	1.57	**1.98**	0.12	0.01	1.57	**1.98**	0.12	0.01	1.57	**1.98**
COOYONG ST	4.12	5.32	**10**	0.39	0.00	4.76	**7.12**	0.12	0.00	2.09	**2.58**	0.12	0.00	2.09	**2.58**	0.12	0.00	2.09	**2.58**
DRAKE BROCKMAN DR	0.00	1.60	**3**	0.19	0.04	0.54	**1.17**	0.19	0.02	0.07	**0.41**	0.19	0.02	0.07	**0.41**	0.19	0.02	0.07	**0.41**
DRAKE BROCKMAN DR	1.60	2.60	**0**	0.40	0.04	0.07	**0.58**	0.40	0.04	0.07	**0.58**	0.40	0.04	0.07	**0.58**	0.40	0.04	0.07	**0.58**
KELLEWAY AV	0.00	1.00	**2**	0.62	0.01	0.06	**0.71**	0.62	0.01	0.06	**0.71**	0.62	0.01	0.06	**0.71**	0.62	0.01	0.06	**0.71**
KELLEWAY AV	1.00	2.10	**1**	0.60	0.01	0.05	**0.69**	0.20	0.01	0.02	**0.24**	0.20	0.01	0.02	**0.24**	0.20	0.01	0.02	**0.24**
KERRIGAN ST	4.17	5.17	**1**	0.40	0.02	0.31	**0.87**	0.40	0.02	0.31	**0.87**	0.40	0.02	0.31	**0.87**	0.40	0.02	0.31	**0.87**
KERRIGAN ST	5.17	6.17	**1**	0.48	0.02	0.05	**0.62**	0.48	0.02	0.05	**0.62**	0.48	0.02	0.05	**0.62**	0.48	0.02	0.05	**0.62**
KERRIGAN ST	6.17	7.57	**1**	0.74	0.03	0.10	**0.96**	0.74	0.03	0.10	**0.96**	0.74	0.03	0.10	**0.96**	0.74	0.03	0.10	**0.96**
KINGSFORD SMITH DR	0.00	2.20	**4**	0.42	0.21	3.20	**5.91**	0.48	0.14	0.73	**2.14**	0.48	0.14	0.73	**2.14**	0.48	0.14	0.73	**2.14**
KINGSFORD SMITH DR	2.20	2.50	**1**	0.33	0.06	0.23	**1.13**	0.33	0.06	0.23	**1.13**	0.33	0.06	0.23	**1.13**	0.33	0.06	0.23	**1.13**
KINGSFORD SMITH DR	2.50	3.60	**1**	1.36	0.03	1.25	**3.83**	0.33	0.01	0.12	**0.56**	0.33	0.01	0.12	**0.56**	0.33	0.01	0.12	**0.56**
KINGSFORD SMITH DR	3.60	7.40	**18**	3.60	0.31	9.47	**19.37**	0.03	0.00	1.61	**2.85**	0.68	0.02	1.61	**3.57**	0.68	0.02	1.57	**3.50**
KINGSFORD SMITH DR	0.08	4.98	**17**	5.59	0.44	11.92	**25.67**	0.73	0.01	2.15	**4.56**	1.31	0.03	2.15	**5.19**	1.31	0.03	2.15	**5.19**
KURINGA DR	0.00	0.20	**0**	0.09	0.01	0.33	**0.76**	0.02	0.00	0.09	**0.22**	0.02	0.00	0.09	**0.22**	0.02	0.00	0.09	**0.22**
KURINGA DR	0.20	3.30	**9**	0.64	0.12	0.37	**1.47**	0.32	0.05	0.09	**0.75**	0.89	0.05	0.09	**1.33**	0.89	0.05	0.09	**1.33**
KURINGA DR	0.03	0.33	**0**	0.10	0.01	0.33	**0.77**	0.02	0.00	0.05	**0.14**	0.02	0.00	0.05	**0.14**	0.02	0.00	0.05	**0.14**
OWEN DIXON DR	4.92	5.42	**10**	0.12	0.01	0.54	**0.74**	0.03	0.00	0.23	**0.31**	0.03	0.00	0.23	**0.31**	0.03	0.00	0.23	**0.31**
OWEN DIXON DR	5.42	5.72	**1**	0.02	0.00	0.10	**0.17**	0.02	0.00	0.01	**0.05**	0.02	0.00	0.01	**0.05**	0.02	0.00	0.01	**0.05**
OWEN DIXON DR	5.72	6.42	**1**	0.28	0.01	0.08	**0.43**	0.07	0.01	0.03	**0.14**	0.07	0.01	0.03	**0.14**	0.07	0.01	0.03	**0.14**
OWEN DIXON DR	6.42	8.02	**4**	0.40	0.07	1.12	**2.16**	0.40	0.04	0.17	**0.79**	0.40	0.04	0.17	**0.79**	0.40	0.04	0.17	**0.79**
SPOFFORTH ST	4.90	6.20	**0**	0.14	0.00	0.02	**0.17**	0.14	0.00	0.02	**0.17**	0.14	0.00	0.02	**0.17**	0.14	0.00	0.02	**0.17**
TILLYARD DR	0.00	0.60	**15**	0.18	0.02	9.47	**10.81**	0.04	0.00	0.72	**0.87**	0.04	0.00	0.72	**0.87**	0.04	0.00	0.72	**0.87**
TILLYARD DR	0.60	1.60	**1**	0.98	0.07	0.38	**1.73**	0.98	0.07	0.38	**1.73**	0.98	0.07	0.38	**1.73**	0.98	0.07	0.38	**1.73**
TILLYARD DR	1.60	2.90	**3**	0.99	0.08	0.41	**2.04**	0.99	0.08	0.41	**2.04**	0.99	0.08	0.41	**2.04**	0.99	0.08	0.41	**2.04**
TILLYARD DR	2.90	3.10	**0**	0.03	0.02	0.00	**0.07**	0.03	0.01	0.00	**0.05**	0.03	0.01	0.00	**0.05**	0.03	0.01	0.00	**0.05**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI
TILLYARD DR	0.04	0.74	**6**	0.18	0.02	4.01	**4.96**	0.06	0.02	1.74	**1.99**	0.06	0.02	1.74	**1.99**	0.06	0.02	1.74	**1.99**
WILLIAM HOVELL DR	10.26	10.56	**1**	0.04	0.02	0.00	**0.26**	0.04	0.01	0.00	**0.21**	0.04	0.01	0.00	**0.21**	0.04	0.01	0.00	**0.21**
WILLIAM HOVELL DR	10.56	14.56	**9**	0.57	0.58	0.01	**2.59**	#N/A	#N/A	0.00	**0.00**	0.65	0.33	0.00	**1.37**	0.65	0.33	0.00	**1.37**
WILLIAM HOVELL DR	14.56	15.06	**2**	0.08	0.01	0.00	**0.98**	0.06	0.00	0.00	**0.96**	0.06	0.00	0.00	**0.96**	0.06	0.00	0.00	**0.96**
WILLIAM HOVELL DR	15.06	18.06	**5**	0.62	0.06	0.00	**1.27**	0.02	0.05	0.00	**0.60**	0.50	0.05	0.00	**1.09**	0.50	0.05	0.00	**1.09**
WILLIAM HOVELL DR	5.71	6.11	**1**	0.13	0.01	0.00	**0.28**	0.10	0.01	0.00	**0.24**	0.10	0.01	0.00	**0.24**	0.10	0.01	0.00	**0.24**
WILLIAM HOVELL DR	10.21	10.61	**2**	0.06	0.01	0.01	**0.27**	0.05	0.01	0.01	**0.25**	0.05	0.01	0.01	**0.25**	0.05	0.01	0.01	**0.25**
WILLIAM HOVELL DR	10.61	13.61	**7**	0.54	0.04	0.00	**1.47**	0.00	0.03	0.00	**0.86**	0.44	0.03	0.00	**1.29**	0.44	0.03	0.00	**1.29**
ANTILL ST	0.00	0.50	**4**	0.25	0.01	0.00	**0.48**	0.25	0.01	0.00	**0.48**	0.25	0.01	0.00	**0.48**	0.25	0.01	0.00	**0.48**
ANTILL ST	0.50	1.70	**2**	0.19	0.03	0.00	**0.48**	0.19	0.03	0.00	**0.48**	0.19	0.03	0.00	**0.48**	0.19	0.03	0.00	**0.48**
ANTILL ST	1.70	3.10	**3**	0.30	0.03	0.01	**1.55**	0.30	0.03	0.01	**1.55**	0.30	0.03	0.01	**1.55**	0.30	0.03	0.01	**1.55**
ANTILL ST	3.10	5.00	**8**	0.13	0.00	0.02	**1.21**	0.13	0.00	0.02	**1.21**	0.13	0.00	0.02	**1.21**	0.13	0.00	0.02	**1.21**
ANTILL ST	0.23	1.23	**3**	0.10	0.00	0.01	**0.41**	0.10	0.00	0.01	**0.41**	0.10	0.00	0.01	**0.41**	0.10	0.00	0.01	**0.41**
ANTILL ST	1.23	2.13	**1**	0.04	0.00	0.01	**0.50**	0.04	0.00	0.01	**0.50**	0.04	0.00	0.01	**0.50**	0.04	0.00	0.01	**0.50**
BARTON HWY	0.00	3.00	**4**	0.95	0.01	0.02	**2.66**	0.01	0.01	0.02	**1.71**	0.78	0.01	0.02	**2.48**	0.78	0.01	0.02	**2.41**
BARTON HWY	3.00	5.10	**3**	0.84	0.04	0.00	**1.12**	0.01	0.03	0.00	**0.24**	0.69	0.03	0.00	**0.92**	0.69	0.03	0.00	**0.92**
BARTON HWY	5.10	9.10	**4**	0.98	0.03	0.02	**3.26**	0.01	0.02	0.02	**2.25**	0.80	0.02	0.02	**3.05**	0.80	0.02	0.02	**3.05**
BARTON HWY	9.10	12.00	**0**	0.60	0.12	0.02	**2.56**	0.00	0.10	0.02	**1.87**	0.49	0.10	0.02	**2.35**	0.49	0.10	0.02	**2.30**
BARTON HWY	0.04	3.74	**3**	0.80	0.02	0.02	**2.81**	0.01	0.01	0.02	**2.00**	0.65	0.01	0.02	**2.65**	0.65	0.01	0.02	**2.58**
BARTON HWY	3.74	5.94	**6**	1.15	0.02	0.00	**1.35**	0.01	0.02	0.00	**0.17**	0.95	0.02	0.00	**1.11**	0.95	0.02	0.00	**1.11**
BARTON HWY	5.94	9.34	**6**	1.01	0.01	0.03	**2.97**	0.01	0.01	0.03	**1.97**	0.82	0.01	0.03	**2.78**	0.82	0.01	0.03	**2.78**
BARTON HWY	9.34	12.04	**1**	0.98	0.11	0.03	**3.19**	0.01	0.08	0.03	**2.14**	0.81	0.08	0.03	**2.94**	0.81	0.08	0.02	**2.89**
ELLENBOROUGH ST	0.00	0.50	**1**	0.13	0.01	0.12	**0.31**	0.05	0.01	0.00	**0.23**	0.05	0.01	0.00	**0.23**	0.05	0.01	0.00	**0.23**
ELLENBOROUGH ST	0.50	1.30	**1**	0.05	0.02	0.00	**0.15**	0.06	0.02	0.00	**0.10**	0.06	0.02	0.00	**0.10**	0.06	0.02	0.00	**0.10**
ELLENBOROUGH ST	1.30	1.50	**0**	0.01	0.00	0.07	**0.12**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**
ELLENBOROUGH ST	1.50	1.70	**0**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**
ELLENBOROUGH ST	1.70	2.60	**0**	0.11	0.01	0.75	**1.38**	0.03	0.01	0.24	**0.38**	0.03	0.01	0.24	**0.38**	0.03	0.01	0.24	**0.38**
ELLENBOROUGH ST	0.04	1.04	**5**	0.22	0.04	2.01	**2.91**	0.04	0.00	0.24	**0.39**	0.04	0.00	0.24	**0.39**	0.04	0.00	0.24	**0.39**
FLOREY DR	0.00	1.00	**1**	0.56	0.07	0.32	**1.21**	0.13	0.03	0.16	**0.47**	0.13	0.03	0.16	**0.47**	0.13	0.03	0.16	**0.47**
FLOREY DR	1.00	2.20	**4**	0.40	0.07	0.44	**1.26**	0.40	0.07	0.44	**1.26**	0.40	0.07	0.44	**1.26**	0.40	0.07	0.44	**1.26**
GINNINDERRA DR	0.00	3.00	**2**	1.66	0.03	2.39	**6.82**	0.01	0.00	0.32	**0.79**	0.28	0.00	0.32	**1.06**	0.28	0.00	0.34	**1.11**
GINNINDERRA DR	3.00	6.00	**4**	1.99	0.12	2.02	**6.57**	0.00	0.01	0.24	**0.61**	0.35	0.01	0.24	**0.96**	0.35	0.01	0.23	**0.94**
GINNINDERRA DR	6.00	10.20	**3**	2.38	0.08	3.18	**8.11**	0.00	0.00	0.38	**0.75**	0.42	0.00	0.38	**1.16**	0.42	0.00	0.36	**1.14**
GINNINDERRA DR	10.20	10.50	**1**	0.11	0.03	0.00	**0.20**	0.00	0.01	0.00	**0.06**	0.16	0.01	0.00	**0.22**	0.16	0.01	0.00	**0.22**
GINNINDERRA DR	10.50	10.80	**0**	0.14	0.03	0.10	**0.42**	0.03	0.00	0.01	**0.06**	0.03	0.00	0.01	**0.06**	0.03	0.00	0.01	**0.06**
GINNINDERRA DR	10.80	12.20	**7**	0.16	0.10	0.69	**1.48**	0.24	0.05	0.17	**0.92**	0.24	0.05	0.17	**0.92**	0.24	0.05	0.17	**0.92**
GINNINDERRA DR	0.03	3.03	**10**	1.73	0.01	3.67	**8.73**	0.00	0.00	0.47	**0.99**	0.30	0.00	0.47	**1.29**	0.30	0.00	0.45	**1.26**
GINNINDERRA DR	3.03	6.03	**11**	2.33	0.09	3.92	**11.12**	0.00	0.00	0.56	**1.42**	0.40	0.00	0.56	**1.82**	0.40	0.00	0.55	**1.79**
GINNINDERRA DR	6.03	10.23	**6**	2.68	0.12	2.91	**9.31**	0.01	0.01	0.36	**0.92**	0.46	0.01	0.36	**1.37**	0.46	0.01	0.34	**1.33**
GINNINDERRA DR	10.53	10.93	**1**	0.23	0.08	0.46	**1.08**	0.04	0.00	0.05	**0.15**	0.04	0.00	0.05	**0.15**	0.04	0.00	0.05	**0.15**
HORSE PARK DR	0.00	0.40	**2**	0.55	0.04	0.31	**1.24**	0.00	0.00	0.04	**0.10**	0.09	0.00	0.04	**0.19**	0.09	0.00	0.04	**0.19**
HORSE PARK DR	0.40	2.40	**5**	0.04	0.12	0.00	**0.58**	0.07	0.06	0.00	**0.43**	0.07	0.06	0.00	**0.43**	0.07	0.06	0.00	**0.43**
HORSE PARK DR	2.40	5.50	**6**	1.16	0.20	1.57	**5.53**	0.00	0.00	0.18	**0.50**	0.18	0.01	0.18	**0.74**	0.18	0.01	0.18	**0.74**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI
HORSE PARK DR	5.50	6.50	**1**	0.34	0.06	0.81	**2.46**	0.05	0.00	0.11	**0.37**	0.05	0.00	0.11	**0.38**	0.05	0.00	0.11	**0.38**
HORSE PARK DR	6.50	6.90	**0**	0.13	0.02	0.00	**0.20**	0.02	0.00	0.00	**0.03**	0.02	0.00	0.00	**0.03**	0.02	0.00	0.00	**0.03**
HORSE PARK DR	6.90	7.50	**0**	0.35	0.00	0.47	**1.29**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**
HORSE PARK DR	7.50	7.90	**0**	0.08	0.03	0.33	**0.61**	0.11	0.01	0.11	**0.38**	0.11	0.01	0.11	**0.38**	0.11	0.01	0.11	**0.38**
HORSE PARK DR	7.90	8.20	**1**	0.33	0.01	0.28	**1.32**	0.08	0.00	0.04	**0.25**	0.08	0.00	0.04	**0.25**	0.08	0.00	0.04	**0.25**
HORSE PARK DR	10.09	10.49	**0**	0.12	0.02	0.31	**0.79**	0.02	0.00	0.04	**0.12**	0.02	0.00	0.04	**0.12**	0.02	0.00	0.04	**0.12**
HORSE PARK DR	10.49	13.09	**2**	0.40	0.18	0.86	**2.04**	0.20	0.00	0.11	**0.45**	0.59	0.08	0.22	**1.39**	0.59	0.08	0.22	**1.39**
HORSE PARK DR	19.16	19.76	**1**	0.37	0.05	0.30	**0.92**	0.51	0.02	0.08	**0.78**	0.51	0.02	0.08	**0.78**	0.51	0.02	0.08	**0.78**
HORSE PARK DR	0.08	0.48	**0**	0.40	0.05	0.46	**1.38**	0.09	0.00	0.08	**0.27**	0.09	0.00	0.08	**0.27**	0.09	0.00	0.08	**0.27**
HORSE PARK DR	2.48	6.08	**7**	1.24	0.20	2.39	**6.46**	0.01	0.00	0.28	**0.62**	0.20	0.01	0.28	**0.86**	0.20	0.01	0.28	**0.86**
HORSE PARK DR	6.08	7.68	**4**	1.09	0.04	1.42	**4.66**	0.01	0.00	0.18	**0.52**	0.20	0.00	0.18	**0.72**	0.20	0.00	0.18	**0.72**
HORSE PARK DR	8.21	8.41	**0**	0.09	0.04	0.25	**0.63**	0.01	0.00	0.05	**0.12**	0.01	0.00	0.05	**0.12**	0.01	0.00	0.05	**0.12**
HORSE PARK DR	8.91	9.21	**2**	0.36	0.03	0.28	**1.41**	0.06	0.00	0.04	**0.24**	0.06	0.00	0.04	**0.24**	0.06	0.00	0.04	**0.24**
HORSE PARK DR	10.34	10.64	**0**	0.10	0.02	0.28	**0.68**	0.02	0.00	0.04	**0.11**	0.02	0.00	0.04	**0.11**	0.02	0.00	0.04	**0.11**
MOUAT ST	0.00	0.20	**5**	0.02	0.00	0.00	**0.03**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
MOUAT ST	0.20	0.50	**4**	0.07	0.00	0.06	**0.22**	0.02	0.00	0.05	**0.22**	0.02	0.00	0.05	**0.22**	0.02	0.00	0.05	**0.22**
MOUAT ST	0.50	0.80	**0**	0.06	0.00	0.23	**0.38**	0.01	0.00	0.01	**0.04**	0.01	0.00	0.01	**0.04**	0.01	0.00	0.01	**0.04**
MOUAT ST	0.80	1.10	**1**	0.06	0.00	0.03	**0.14**	0.02	0.00	0.03	**0.13**	0.02	0.00	0.03	**0.13**	0.02	0.00	0.03	**0.13**
MOUAT ST	0.07	0.27	**1**	0.02	0.00	0.32	**0.91**	0.00	0.00	0.03	**0.16**	0.00	0.00	0.03	**0.16**	0.00	0.00	0.03	**0.16**
MOUAT ST	0.57	1.17	**1**	0.10	0.00	0.94	**1.25**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**
PHILLIP AV	0.00	1.70	**8**	0.48	0.00	3.68	**5.38**	0.12	0.00	0.37	**0.71**	0.12	0.00	0.37	**0.71**	0.12	0.00	0.37	**0.71**
PHILLIP AV	1.70	2.90	**2**	0.54	0.06	0.23	**1.03**	0.54	0.06	0.23	**1.03**	0.54	0.06	0.23	**1.03**	0.54	0.06	0.23	**1.03**
PHILLIP AV	0.10	1.70	**0**	0.51	0.00	1.93	**3.86**	0.16	0.00	0.76	**1.21**	0.16	0.00	0.76	**1.21**	0.16	0.00	0.76	**1.21**
REDFERN ST	2.61	4.11	**5**	0.89	0.02	0.18	**1.23**	0.89	0.02	0.18	**1.23**	0.89	0.02	0.18	**1.23**	0.89	0.02	0.18	**1.23**
REDFERN ST	4.11	4.61	**0**	0.14	0.01	0.76	**1.37**	0.04	0.01	0.37	**0.51**	0.04	0.01	0.37	**0.51**	0.04	0.01	0.37	**0.51**
SPRINGVALE DR	0.00	1.00	**5**	0.26	0.02	0.81	**1.35**	0.26	0.02	0.81	**1.35**	0.26	0.02	0.81	**1.35**	0.26	0.02	0.81	**1.35**
SPRINGVALE DR	1.00	2.60	**1**	0.46	0.03	0.06	**0.61**	0.46	0.03	0.06	**0.61**	0.46	0.03	0.06	**0.61**	0.46	0.03	0.06	**0.61**
MAJURA PWY	0.00	0.80	**1**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
MAJURA PWY	0.80	3.80	**1**	0.18	0.01	0.00	**0.33**	0.14	0.01	0.00	**0.28**	0.14	0.01	0.00	**0.28**	0.14	0.01	0.00	**0.28**
MAJURA PWY	3.80	9.00	**1**	0.74	0.04	0.00	**1.09**	0.06	0.03	0.00	**0.36**	0.60	0.03	0.00	**0.89**	0.60	0.03	0.00	**0.89**
MAJURA PWY	9.00	11.00	**3**	0.35	0.00	0.02	**1.75**	0.29	0.00	0.02	**1.69**	0.29	0.00	0.02	**1.69**	0.29	0.00	0.02	**1.69**
MAJURA PWY	0.03	1.03	**0**	0.03	0.00	0.00	**0.08**	0.03	0.00	0.00	**0.07**	0.03	0.00	0.00	**0.07**	0.03	0.00	0.00	**0.07**
MAJURA PWY	1.03	4.03	**0**	0.10	0.01	0.00	**0.16**	0.08	0.01	0.00	**0.13**	0.08	0.01	0.00	**0.13**	0.08	0.01	0.00	**0.13**
MAJURA PWY	4.03	9.73	**3**	1.06	0.03	0.00	**1.49**	0.04	0.03	0.00	**0.43**	0.86	0.03	0.00	**1.24**	0.86	0.03	0.00	**1.24**
MAJURA PWY	9.73	11.03	**3**	0.25	0.00	0.01	**0.64**	0.20	0.00	0.01	**0.59**	0.20	0.00	0.01	**0.59**	0.20	0.00	0.01	**0.59**
BENJAMIN WY	0.00	1.40	**5**	0.06	0.00	2.26	**2.70**	0.02	0.00	0.73	**0.80**	0.02	0.00	0.73	**0.80**	0.02	0.00	0.73	**0.80**
BENJAMIN WY	0.02	1.42	**9**	0.11	0.00	2.92	**3.87**	0.03	0.00	1.06	**1.22**	0.03	0.00	1.06	**1.22**	0.03	0.00	1.06	**1.22**
CASWELL DR	0.05	2.95	**1**	0.24	0.00	0.00	**0.31**	0.19	0.00	0.00	**0.27**	0.19	0.00	0.00	**0.27**	0.19	0.00	0.00	**0.27**
CASWELL DR	0.00	2.80	**3**	0.66	0.00	0.06	**0.78**	0.02	0.00	0.01	**0.03**	0.10	0.00	0.01	**0.11**	0.10	0.00	0.01	**0.11**
CHEWINGS ST	0.00	1.40	**5**	0.29	0.01	0.32	**0.79**	0.29	0.01	0.32	**0.79**	0.29	0.01	0.32	**0.79**	0.29	0.01	0.32	**0.79**
GUNGAHLIN DR	0.00	4.40	**6**	0.86	0.00	0.12	**1.16**	0.01	0.00	0.01	**0.04**	0.13	0.00	0.01	**0.16**	0.13	0.00	0.01	**0.16**
GUNGAHLIN DR	4.40	7.40	**6**	0.93	0.04	0.43	**2.36**	0.00	0.00	0.04	**0.16**	0.14	0.00	0.04	**0.30**	0.14	0.00	0.04	**0.30**
GUNGAHLIN DR	7.40	10.50	**5**	1.67	0.15	2.47	**6.67**	0.00	0.00	0.30	**0.63**	0.28	0.01	0.30	**0.95**	0.28	0.01	0.30	**0.95**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI
GUNGAHLIN DR	10.50	11.00	**0**	0.05	0.03	0.00	**0.13**	0.06	0.01	0.00	**0.10**	0.07	0.01	0.00	**0.12**	0.07	0.01	0.00	**0.12**
GUNGAHLIN DR	11.00	11.30	**0**	0.23	0.03	0.16	**0.61**	0.04	0.00	0.02	**0.09**	0.04	0.00	0.02	**0.09**	0.04	0.00	0.02	**0.09**
GUNGAHLIN DR	11.30	12.60	**5**	0.26	0.10	0.12	**0.81**	0.38	0.04	0.03	**0.72**	0.38	0.04	0.03	**0.72**	0.38	0.04	0.03	**0.72**
GUNGAHLIN DR	0.02	5.82	**9**	1.66	0.00	0.14	**2.00**	0.04	0.00	0.01	**0.08**	0.25	0.00	0.01	**0.29**	0.25	0.00	0.01	**0.29**
GUNGAHLIN DR	5.82	8.82	**2**	0.79	0.09	1.42	**4.07**	0.00	0.00	0.16	**0.41**	0.12	0.00	0.16	**0.53**	0.12	0.00	0.16	**0.53**
GUNGAHLIN DR	8.82	10.62	**1**	0.72	0.01	1.99	**4.51**	0.16	0.01	0.74	**1.25**	0.24	0.01	0.74	**1.33**	0.24	0.01	0.74	**1.33**
WILLIAM WEBB DR	0.00	1.00	**1**	0.44	0.03	0.44	**1.10**	0.14	0.01	0.38	**0.87**	0.14	0.01	0.38	**0.87**	0.14	0.01	0.38	**0.87**
WILLIAM WEBB DR	1.00	2.40	**3**	0.92	0.06	0.29	**1.42**	0.30	0.02	0.25	**0.84**	0.30	0.02	0.25	**0.84**	0.30	0.02	0.25	**0.84**
FAIRBAIRN AV	0.00	0.40	**2**	0.11	0.01	1.18	**1.65**	0.03	0.00	0.13	**0.23**	0.03	0.00	0.13	**0.23**	0.03	0.00	0.13	**0.23**
FAIRBAIRN AV	0.40	0.70	**0**	0.06	0.00	0.24	**0.54**	0.01	0.00	0.03	**0.08**	0.01	0.00	0.03	**0.08**	0.01	0.00	0.03	**0.08**
FAIRBAIRN AV	0.70	1.20	**0**	0.07	0.00	0.26	**0.47**	0.02	0.01	0.07	**0.12**	0.02	0.01	0.07	**0.12**	0.02	0.01	0.07	**0.12**
FAIRBAIRN AV	1.20	2.40	**2**	0.09	0.03	0.06	**0.24**	0.11	0.02	0.01	**0.15**	0.11	0.02	0.01	**0.15**	0.11	0.02	0.01	**0.15**
FAIRBAIRN AV	2.40	2.60	**2**	0.03	0.00	0.04	**0.12**	0.03	0.00	0.00	**0.05**	0.03	0.00	0.00	**0.05**	0.03	0.00	0.00	**0.05**
FAIRBAIRN AV	2.60	3.10	**3**	0.11	0.00	0.38	**0.87**	0.03	0.01	0.12	**0.21**	0.03	0.01	0.12	**0.21**	0.03	0.01	0.12	**0.21**
FAIRBAIRN AV	3.10	3.80	**1**	0.18	0.01	0.00	**0.20**	0.18	0.01	0.00	**0.20**	0.18	0.01	0.00	**0.20**	0.18	0.01	0.00	**0.20**
FAIRBAIRN AV	3.80	4.30	**2**	0.19	0.00	0.33	**0.86**	0.06	0.00	0.10	**0.21**	0.06	0.00	0.10	**0.21**	0.06	0.00	0.10	**0.21**
FAIRBAIRN AV	0.05	1.45	**2**	0.56	0.02	1.05	**3.05**	0.11	0.00	0.14	**0.48**	0.11	0.00	0.14	**0.48**	0.11	0.00	0.14	**0.48**
FAIRBAIRN AV	2.55	3.15	**0**	0.05	0.01	0.23	**0.54**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**
FAIRBAIRN AV	3.95	4.35	**4**	0.09	0.01	0.81	**1.73**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**
NORTHBOURNE AV	0.00	0.30	**13**	0.12	0.00	2.65	**5.98**	0.03	0.00	0.23	**0.53**	0.03	0.00	0.23	**0.53**	0.03	0.00	0.23	**0.53**
NORTHBOURNE AV	0.30	1.30	**13**	0.66	0.00	1.12	**6.06**	0.21	0.00	0.42	**1.51**	0.21	0.00	0.42	**1.51**	0.21	0.00	0.42	**1.51**
NORTHBOURNE AV	1.30	2.30	**4**	0.35	0.00	0.31	**1.10**	0.11	0.00	0.08	**0.25**	0.11	0.00	0.08	**0.25**	0.11	0.00	0.08	**0.25**
NORTHBOURNE AV	2.30	3.30	**8**	0.37	0.00	2.29	**3.89**	0.10	0.00	0.28	**0.61**	0.10	0.00	0.28	**0.61**	0.10	0.00	0.28	**0.61**
NORTHBOURNE AV	3.30	4.70	**6**	0.67	0.00	1.00	**2.62**	0.18	0.00	0.10	**0.44**	0.18	0.00	0.10	**0.44**	0.18	0.00	0.10	**0.44**
NORTHBOURNE AV	0.00	0.40	**5**	0.22	0.00	1.12	**3.83**	0.07	0.00	0.20	**0.88**	0.07	0.00	0.20	**0.88**	0.07	0.00	0.20	**0.88**
NORTHBOURNE AV	0.40	1.40	**12**	0.38	0.00	2.25	**5.51**	0.10	0.00	0.30	**0.97**	0.10	0.00	0.30	**0.97**	0.10	0.00	0.30	**0.97**
NORTHBOURNE AV	1.40	2.40	**10**	0.19	0.00	0.64	**3.56**	0.06	0.00	0.19	**0.69**	0.06	0.00	0.19	**0.69**	0.06	0.00	0.19	**0.69**
NORTHBOURNE AV	2.40	3.40	**7**	0.23	0.00	1.25	**2.43**	0.07	0.00	0.35	**0.57**	0.07	0.00	0.35	**0.57**	0.07	0.00	0.35	**0.57**
NORTHBOURNE AV	3.40	4.70	**13**	0.34	0.00	1.67	**2.88**	0.10	0.00	0.44	**0.67**	0.10	0.00	0.44	**0.67**	0.10	0.00	0.44	**0.67**
DRAKEFORD DR	0.00	5.90	**16**	3.22	0.05	5.70	**12.54**	0.03	0.00	0.66	**1.20**	0.53	0.00	0.66	**1.71**	0.53	0.00	0.65	**1.68**
DRAKEFORD DR	5.90	7.40	**6**	0.73	0.01	2.89	**7.47**	0.00	0.01	1.36	**2.30**	0.24	0.01	1.36	**2.53**	0.24	0.01	1.36	**2.53**
DRAKEFORD DR	7.40	9.00	**7**	1.11	0.00	2.92	**6.13**	0.00	0.00	0.41	**0.77**	0.19	0.00	0.41	**0.96**	0.19	0.00	0.41	**0.96**
DRAKEFORD DR	0.07	3.07	**8**	1.56	0.01	2.30	**5.52**	0.00	0.00	0.26	**0.49**	0.25	0.00	0.26	**0.74**	0.25	0.00	0.26	**0.74**
DRAKEFORD DR	3.07	6.17	**2**	0.95	0.02	2.07	**5.70**	0.00	0.00	0.01	**0.87**	0.17	0.00	0.01	**1.04**	0.17	0.00	0.01	**1.04**
DRAKEFORD DR	6.17	6.57	**4**	0.11	0.00	3.26	**3.76**	0.00	0.00	0.01	**0.18**	0.03	0.00	0.01	**0.21**	0.03	0.00	0.01	**0.21**
DRAKEFORD DR	6.57	8.17	**0**	0.58	0.00	0.54	**1.64**	0.00	0.00	0.00	**0.15**	0.10	0.00	0.00	**0.25**	0.10	0.00	0.00	**0.25**
DRAKEFORD DR	8.17	8.67	**5**	0.30	0.00	0.60	**2.50**	0.00	0.00	0.00	**0.63**	0.09	0.00	0.00	**0.72**	0.09	0.00	0.00	**0.72**
DRAKEFORD DR	8.67	9.07	**0**	0.14	0.00	0.44	**1.01**	0.00	0.00	0.00	**0.17**	0.03	0.00	0.00	**0.20**	0.03	0.00	0.00	**0.20**
JOHNSON DR	0.00	3.20	**5**	0.51	0.24	1.97	**3.87**	0.01	0.00	0.13	**0.23**	0.48	0.14	0.28	**1.24**	0.48	0.14	0.27	**1.22**
JOHNSON DR	3.20	3.40	**0**	0.13	0.02	0.24	**0.64**	0.00	0.00	0.04	**0.10**	0.02	0.00	0.04	**0.13**	0.02	0.00	0.04	**0.13**
JOHNSON DR	1.46	1.66	**2**	0.23	0.02	0.69	**1.16**	#N/A	#N/A	#N/A	**0.00**	#N/A	#N/A	#N/A	**0.00**	#N/A	#N/A	#N/A	**0.00**
THARWA DR	0.80	3.30	**4**	0.43	0.51	1.66	**4.22**	0.28	0.00	0.12	**0.48**	0.40	0.30	0.25	**1.48**	0.50	0.36	0.25	**1.69**
THARWA DR	3.30	4.70	**4**	2.78	0.03	1.01	**4.83**	0.02	0.00	0.13	**0.31**	0.63	0.00	0.13	**0.92**	0.76	0.00	0.13	**1.06**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI
THARWA DR	4.70	5.20	**4**	0.30	0.02	0.71	**2.70**	0.11	0.02	0.22	**0.68**	0.11	0.02	0.22	**0.68**	0.11	0.02	0.22	**0.68**
THARWA DR	5.20	6.70	**5**	0.22	0.56	0.63	**2.88**	0.08	0.00	0.04	**0.15**	0.20	0.34	0.08	**1.09**	0.25	0.40	0.08	**1.28**
TUGGERANONG PWY	0.00	1.00	**8**	0.43	0.00	0.08	**0.81**	0.07	0.00	0.00	**0.15**	0.07	0.00	0.00	**0.15**	0.07	0.00	0.00	**0.15**
TUGGERANONG PWY	1.00	4.00	**11**	1.05	0.00	0.00	**1.05**	0.05	0.00	0.00	**0.05**	0.16	0.00	0.00	**0.16**	0.16	0.00	0.00	**0.16**
TUGGERANONG PWY	4.00	7.00	**9**	1.76	0.00	0.11	**2.06**	0.05	0.00	0.01	**0.08**	0.29	0.00	0.01	**0.33**	0.29	0.00	0.01	**0.33**
TUGGERANONG PWY	7.00	10.20	**6**	2.96	0.00	0.11	**3.19**	0.04	0.00	0.01	**0.07**	0.53	0.00	0.01	**0.55**	0.53	0.00	0.01	**0.55**
TUGGERANONG PWY	10.20	10.70	**1**	0.45	0.00	0.51	**1.47**	0.07	0.00	0.08	**0.24**	0.08	0.00	0.08	**0.25**	0.08	0.00	0.08	**0.25**
TUGGERANONG PWY	0.04	1.14	**5**	0.41	0.00	0.07	**0.63**	0.06	0.00	0.01	**0.09**	0.06	0.00	0.01	**0.09**	0.06	0.00	0.01	**0.09**
TUGGERANONG PWY	1.14	4.14	**7**	0.86	0.00	0.12	**1.19**	0.06	0.00	0.01	**0.09**	0.13	0.00	0.01	**0.17**	0.13	0.00	0.01	**0.17**
TUGGERANONG PWY	4.14	7.14	**10**	2.19	0.00	0.08	**2.42**	0.05	0.00	0.01	**0.08**	0.37	0.00	0.01	**0.40**	0.37	0.00	0.01	**0.40**
TUGGERANONG PWY	7.14	10.74	**12**	3.46	0.01	1.13	**6.34**	0.05	0.00	0.12	**0.39**	0.63	0.00	0.12	**0.97**	0.63	0.00	0.12	**0.97**
WOODCOCK DR	0.00	0.40	**5**	0.56	0.01	1.71	**3.11**	0.00	0.00	0.26	**0.42**	0.10	0.00	0.26	**0.52**	0.10	0.00	0.26	**0.52**
WOODCOCK DR	0.40	1.40	**0**	0.31	0.10	0.81	**1.68**	0.28	0.06	0.14	**0.63**	0.29	0.06	0.14	**0.64**	0.29	0.06	0.13	**0.62**
WOODCOCK DR	1.40	3.20	**1**	1.04	0.23	1.70	**5.28**	0.05	0.00	0.25	**0.70**	0.19	0.01	0.25	**0.89**	0.19	0.01	0.24	**0.86**
WOODCOCK DR	0.01	0.51	**0**	0.31	0.02	0.45	**1.26**	0.06	0.00	0.07	**0.21**	0.06	0.00	0.07	**0.21**	0.06	0.00	0.07	**0.21**
WOODCOCK DR	1.61	2.31	**2**	0.35	0.09	1.18	**2.21**	0.06	0.00	0.15	**0.32**	0.06	0.00	0.15	**0.32**	0.06	0.00	0.15	**0.32**
WOODCOCK DR	2.31	3.31	**1**	0.29	0.02	0.82	**1.82**	0.09	0.03	0.26	**0.50**	0.09	0.03	0.26	**0.50**	0.09	0.03	0.26	**0.50**
COTTER RD	9.80	12.10	**4**	0.14	0.01	0.34	**0.62**	0.16	0.01	0.04	**0.25**	0.16	0.01	0.04	**0.25**	0.16	0.01	0.04	**0.25**
COTTER RD	12.10	17.00	**9**	0.90	0.01	1.97	**4.85**	0.03	0.00	0.20	**0.49**	0.14	0.00	0.20	**0.59**	0.16	0.00	0.20	**0.62**
COTTER RD	0.77	5.67	**14**	0.82	0.01	3.13	**6.30**	0.00	0.00	0.33	**0.64**	0.12	0.00	0.42	**0.93**	0.15	0.00	0.42	**0.97**
KAMBAH POOL RD	5.61	10.31	**2**	0.15	0.02	0.07	**0.28**	0.07	0.01	0.00	**0.17**	0.07	0.01	0.00	**0.17**	0.07	0.01	0.00	**0.17**
NAMATJIRA DR	0.00	1.00	**5**	0.52	0.05	0.64	**1.38**	0.23	0.03	0.02	**0.78**	0.23	0.03	0.02	**0.78**	0.23	0.03	0.02	**0.78**
NAMATJIRA DR	1.00	2.00	**6**	0.40	0.05	0.66	**1.46**	0.40	0.05	0.66	**1.46**	0.40	0.05	0.66	**1.46**	0.40	0.05	0.66	**1.46**
NAMATJIRA DR	2.00	3.80	**3**	0.62	0.11	0.28	**1.36**	0.62	0.11	0.28	**1.36**	0.62	0.11	0.28	**1.36**	0.62	0.11	0.28	**1.36**
NAMATJIRA DR	3.80	4.70	**1**	0.12	0.12	0.35	**1.09**	0.21	0.07	0.00	**1.05**	0.21	0.07	0.00	**1.05**	0.21	0.07	0.00	**1.02**
STREETON DR	0.00	1.00	**3**	0.40	0.00	2.95	**4.92**	0.13	0.00	1.46	**1.95**	0.13	0.00	1.46	**1.95**	0.13	0.00	1.46	**1.95**
STREETON DR	1.00	1.40	**1**	0.18	0.00	0.52	**0.96**	0.03	0.00	0.06	**0.13**	0.03	0.00	0.06	**0.13**	0.03	0.00	0.06	**0.13**
STREETON DR	1.40	2.00	**3**	0.37	0.00	2.56	**3.70**	0.12	0.00	1.43	**1.75**	0.12	0.00	1.43	**1.75**	0.12	0.00	1.43	**1.75**
STREETON DR	2.00	3.00	**0**	0.31	0.03	0.08	**0.48**	0.31	0.03	0.08	**0.48**	0.31	0.03	0.08	**0.48**	0.31	0.03	0.08	**0.48**
STREETON DR	3.00	4.30	**0**	0.66	0.06	0.10	**0.92**	0.66	0.06	0.10	**0.92**	0.66	0.06	0.10	**0.92**	0.66	0.06	0.10	**0.92**
STREETON DR	0.07	1.17	**1**	0.78	0.00	1.63	**3.55**	0.00	0.00	0.26	**0.48**	0.15	0.00	0.26	**0.63**	0.15	0.00	0.26	**0.63**
STREETON DR	1.17	1.87	**0**	0.25	0.00	0.74	**1.42**	0.07	0.00	0.27	**0.42**	0.08	0.00	0.27	**0.43**	0.08	0.00	0.27	**0.43**
STREETON DR	1.87	2.07	**2**	0.24	0.00	2.10	**2.65**	0.09	0.00	1.42	**1.62**	0.09	0.00	1.42	**1.62**	0.09	0.00	1.42	**1.62**
ATHLLON DR	0.00	1.00	**7**	1.24	0.01	1.41	**4.57**	0.45	0.01	0.43	**1.26**	0.45	0.01	0.43	**1.26**	0.45	0.01	0.43	**1.26**
ATHLLON DR	1.00	2.50	**1**	0.65	0.01	1.16	**3.45**	0.21	0.01	0.36	**0.90**	0.21	0.01	0.36	**0.90**	0.21	0.01	0.36	**0.90**
ATHLLON DR	2.50	2.70	**0**	0.05	0.02	0.00	**0.13**	0.01	0.02	0.00	**0.05**	0.01	0.02	0.00	**0.05**	0.01	0.02	0.00	**0.05**
ATHLLON DR	2.70	4.60	**6**	0.91	0.16	3.89	**8.68**	0.01	0.00	1.53	**2.45**	0.24	0.15	1.53	**2.91**	0.24	0.15	1.51	**2.87**
ATHLLON DR	4.60	5.00	**2**	0.04	0.05	0.00	**0.30**	0.02	0.02	0.00	**0.10**	0.03	0.03	0.00	**0.12**	0.03	0.03	0.00	**0.12**
ATHLLON DR	5.00	5.70	**4**	0.42	0.08	3.06	**4.42**	0.07	0.00	0.56	**0.83**	0.07	0.00	0.56	**0.83**	0.07	0.00	0.52	**0.78**
ATHLLON DR	5.70	6.90	**4**	0.27	0.27	0.75	**1.92**	0.11	0.00	0.05	**0.17**	0.25	0.16	0.10	**0.70**	0.25	0.16	0.10	**0.70**
ATHLLON DR	6.90	9.20	**9**	2.14	0.17	4.17	**10.42**	0.01	0.00	1.40	**2.16**	0.67	0.16	1.40	**3.10**	0.67	0.16	1.40	**3.10**
ATHLLON DR	9.20	9.40	**0**	0.16	0.02	0.36	**0.92**	0.00	0.02	0.23	**0.43**	0.06	0.02	0.23	**0.49**	0.06	0.02	0.23	**0.49**
ATHLLON DR	9.40	10.00	**0**	0.52	0.15	0.00	**0.80**	0.02	0.00	0.00	**0.02**	0.52	0.15	0.00	**0.80**	0.52	0.15	0.00	**0.80**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI
ATHLLON DR	10.00	11.00	**2**	0.53	0.08	1.21	**3.15**	0.17	0.08	0.48	**1.09**	0.17	0.09	0.48	**1.10**	0.17	0.09	0.48	**1.10**
ATHLLON DR	0.04	2.74	**11**	1.97	0.01	4.50	**10.53**	0.70	0.02	1.45	**2.99**	0.70	0.02	1.45	**2.99**	0.70	0.02	1.45	**2.99**
ATHLLON DR	2.74	4.64	**5**	0.67	0.16	3.24	**7.31**	0.01	0.00	1.14	**1.81**	0.17	0.15	1.14	**2.21**	0.17	0.15	1.11	**2.17**
ATHLLON DR	5.04	5.74	**1**	0.36	0.02	1.41	**2.71**	0.10	0.02	0.56	**0.93**	0.10	0.02	0.56	**0.93**	0.10	0.02	0.53	**0.89**
ATHLLON DR	6.94	9.54	**5**	3.37	0.18	3.17	**11.39**	0.01	0.00	1.26	**2.45**	1.09	0.17	1.26	**3.78**	1.09	0.17	1.26	**3.78**
ATHLLON DR	10.04	11.04	**5**	0.24	0.06	0.87	**4.03**	0.07	0.07	0.28	**1.06**	0.07	0.07	0.28	**1.06**	0.07	0.07	0.28	**1.06**
ERINDALE DR	0.00	3.40	**10**	1.29	0.01	1.49	**3.23**	0.00	0.01	0.37	**0.44**	0.33	0.01	0.37	**0.77**	0.33	0.01	0.37	**0.77**
ERINDALE DR	3.40	6.00	**8**	0.22	0.07	0.60	**1.24**	0.20	0.04	0.07	**0.41**	0.20	0.04	0.07	**0.42**	0.20	0.04	0.07	**0.42**
ERINDALE DR	6.00	6.20	**0**	0.02	0.00	0.15	**0.32**	0.00	0.00	0.02	**0.05**	0.00	0.00	0.02	**0.05**	0.00	0.00	0.02	**0.05**
ERINDALE DR	0.03	3.43	**14**	2.19	0.08	1.67	**5.75**	0.00	0.00	0.17	**0.40**	0.39	0.00	0.17	**0.79**	0.39	0.00	0.17	**0.79**
EUCUMBENE DR	16.00	17.30	**0**	0.35	0.01	0.02	**0.39**	0.35	0.01	0.02	**0.39**	0.35	0.01	0.02	**0.39**	0.35	0.01	0.02	**0.39**
EUCUMBENE DR	17.30	18.10	**1**	0.23	0.01	0.06	**0.33**	0.23	0.01	0.06	**0.33**	0.23	0.01	0.06	**0.33**	0.23	0.01	0.06	**0.33**
HINDMARSH DR	0.00	3.00	**10**	1.94	0.06	3.60	**8.55**	0.01	0.00	0.47	**0.96**	0.32	0.00	0.47	**1.27**	0.32	0.00	0.47	**1.27**
HINDMARSH DR	3.00	8.40	**11**	2.46	0.13	3.91	**10.84**	0.01	0.01	0.47	**1.12**	0.40	0.01	0.47	**1.51**	0.40	0.01	0.47	**1.51**
HINDMARSH DR	8.40	9.00	**2**	0.10	0.00	1.53	**2.03**	0.02	0.00	0.54	**0.64**	0.03	0.00	0.54	**0.65**	0.03	0.00	0.54	**0.65**
HINDMARSH DR	9.00	12.60	**24**	2.32	0.06	8.07	**18.52**	0.00	0.00	1.24	**2.76**	0.38	0.00	1.24	**3.14**	0.38	0.00	1.24	**3.14**
HINDMARSH DR	12.60	14.50	**7**	0.30	0.07	2.60	**3.54**	0.25	0.04	0.41	**0.88**	0.28	0.04	0.41	**0.91**	0.28	0.04	0.41	**0.91**
HINDMARSH DR	0.09	3.09	**9**	1.41	0.03	3.64	**8.70**	0.00	0.00	0.48	**1.07**	0.24	0.00	0.48	**1.31**	0.24	0.00	0.48	**1.31**
HINDMARSH DR	3.09	6.09	**13**	1.36	0.04	0.52	**3.11**	0.01	0.00	0.05	**0.20**	0.21	0.00	0.05	**0.41**	0.21	0.00	0.05	**0.41**
HINDMARSH DR	6.09	9.09	**10**	1.18	0.05	3.87	**8.63**	0.00	0.00	0.53	**1.12**	0.19	0.00	0.53	**1.31**	0.19	0.00	0.53	**1.31**
HINDMARSH DR	9.09	12.59	**28**	1.73	0.04	9.49	**17.06**	0.00	0.00	1.30	**2.28**	0.28	0.00	1.30	**2.55**	0.28	0.00	1.30	**2.55**
ISABELLA DR	0.00	2.20	**8**	1.35	0.06	3.33	**7.99**	0.37	0.06	1.07	**2.16**	0.37	0.06	1.07	**2.16**	0.37	0.06	1.07	**2.16**
ISABELLA DR	2.20	3.10	**6**	0.21	0.28	0.00	**1.43**	0.15	0.00	0.00	**0.15**	0.20	0.16	0.00	**0.63**	0.20	0.16	0.00	**0.63**
ISABELLA DR	3.10	3.50	**0**	0.30	0.02	0.24	**0.83**	0.09	0.02	0.07	**0.22**	0.09	0.02	0.07	**0.22**	0.09	0.02	0.07	**0.22**
ISABELLA DR	3.50	6.50	**6**	0.50	0.74	1.46	**4.77**	0.27	0.00	0.10	**0.45**	0.47	0.43	0.21	**1.74**	0.47	0.43	0.19	**1.71**
ISABELLA DR	6.50	6.70	**0**	0.26	0.02	0.00	**0.33**	0.10	0.01	0.00	**0.13**	0.10	0.01	0.00	**0.13**	0.10	0.01	0.00	**0.13**
ISABELLA DR	0.04	2.34	**8**	2.17	0.15	3.36	**7.48**	0.40	0.00	0.98	**1.64**	0.68	0.14	0.98	**2.12**	0.68	0.14	0.98	**2.12**
ISABELLA DR	3.24	3.84	**3**	0.88	0.09	0.28	**1.99**	0.28	0.08	0.08	**0.57**	0.28	0.08	0.08	**0.57**	0.28	0.08	0.08	**0.57**
ISABELLA DR	5.74	6.04	**0**	0.30	0.09	0.22	**0.99**	0.11	0.09	0.07	**0.35**	0.11	0.09	0.07	**0.35**	0.11	0.09	0.07	**0.35**
ISABELLA DR	6.64	6.94	**2**	0.19	0.01	0.82	**1.90**	0.05	0.01	0.30	**0.58**	0.05	0.01	0.30	**0.58**	0.05	0.01	0.30	**0.58**
LONG GULLY RD	0.00	2.20	**2**	0.53	0.15	0.61	**1.81**	#N/A	#N/A	0.08	**0.08**	0.50	0.09	0.08	**0.81**	0.50	0.09	0.08	**0.81**
MUGGA LA	0.00	0.30	**3**	0.20	0.00	0.86	**1.59**	0.04	0.00	0.11	**0.23**	0.04	0.00	0.11	**0.23**	0.04	0.00	0.11	**0.23**
MUGGA LA	0.30	2.00	**7**	0.20	0.06	0.50	**1.02**	0.19	0.03	0.06	**0.36**	0.19	0.03	0.06	**0.36**	0.19	0.03	0.06	**0.36**
MUGGA LA	2.00	7.50	**3**	0.50	0.11	0.32	**1.26**	0.66	0.04	0.08	**1.08**	0.66	0.04	0.08	**1.08**	0.66	0.04	0.08	**1.08**
MUGGA LA	0.02	0.42	**0**	0.32	0.00	0.35	**1.02**	0.06	0.00	0.05	**0.17**	0.06	0.00	0.05	**0.17**	0.06	0.00	0.05	**0.17**
SOWARD WY	7.72	9.12	**2**	0.19	0.01	0.10	**0.34**	0.04	0.00	0.08	**0.22**	0.04	0.00	0.08	**0.22**	0.04	0.00	0.08	**0.22**
SULWOOD DR	8.08	13.18	**13**	0.82	0.50	4.11	**7.19**	0.01	0.00	0.56	**1.00**	1.32	0.25	1.09	**4.14**	1.32	0.25	1.04	**4.06**
SULWOOD DR	13.18	13.68	**0**	0.35	0.10	0.86	**2.19**	0.06	0.01	0.27	**0.65**	0.07	0.01	0.27	**0.66**	0.07	0.01	0.26	**0.65**
SULWOOD DR	13.68	14.18	**1**	0.17	0.08	0.56	**1.48**	0.26	0.04	0.21	**1.10**	0.26	0.04	0.21	**1.10**	0.26	0.04	0.21	**1.10**
SULWOOD DR	0.42	0.92	**4**	0.46	0.03	0.62	**4.01**	0.10	0.00	0.12	**0.87**	0.10	0.00	0.12	**0.87**	0.10	0.00	0.11	**0.86**
TAVERNER ST	11.64	13.04	**9**	1.48	0.07	2.59	**5.06**	0.03	0.00	0.31	**0.48**	0.27	0.00	0.31	**0.72**	0.27	0.00	0.31	**0.72**
TAVERNER ST	0.07	1.57	**1**	1.23	0.07	1.16	**3.72**	0.00	0.00	0.15	**0.37**	0.22	0.00	0.15	**0.59**	0.22	0.00	0.15	**0.59**
YAMBA DR	0.00	1.40	**1**	1.04	0.08	0.93	**3.07**	0.00	0.00	0.12	**0.28**	0.18	0.00	0.12	**0.46**	0.18	0.00	0.12	**0.46**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter.	Total ANRAM FSI
YAMBA DR	1.40	2.30	**4**	0.34	0.01	1.80	**2.77**	0.06	0.01	0.63	**0.81**	0.11	0.01	0.63	**0.86**	0.11	0.01	0.63	**0.86**
YAMBA DR	2.30	6.30	**19**	2.85	0.01	6.15	**15.06**	0.00	0.00	0.81	**1.80**	0.52	0.00	0.81	**2.32**	0.52	0.00	0.75	**2.18**
YAMBA DR	0.02	1.42	**1**	0.70	0.03	2.15	**4.16**	0.00	0.01	0.15	**0.25**	0.17	0.01	0.15	**0.42**	0.17	0.01	0.15	**0.42**
YAMBA DR	1.42	2.22	**4**	0.33	0.01	0.81	**2.78**	0.09	0.01	0.29	**0.69**	0.10	0.01	0.29	**0.70**	0.10	0.01	0.29	**0.70**
YAMBA DR	2.22	6.22	**9**	3.29	0.03	4.56	**12.05**	0.01	0.00	0.61	**1.30**	0.61	0.00	0.61	**1.91**	0.61	0.00	0.57	**1.82**
YAMBMELRRA	1.01	1.21	**4**	1.71	0.00	0.41	**2.52**	0.70	0.00	0.05	**0.81**	0.70	0.00	0.05	**0.81**	0.70	0.00	0.05	**0.81**
YARRYAMBRA	0.01	0.31	**3**	0.46	0.00	0.14	**1.35**	0.15	0.00	0.02	**0.27**	0.15	0.00	0.02	**0.27**	0.15	0.00	0.02	**0.27**
ADELAIDE AV	0.00	2.70	**6**	1.98	0.49	0.35	**6.56**	0.02	0.00	0.09	**0.24**	0.58	0.47	0.09	**1.71**	0.58	0.47	0.09	**1.71**
ADELAIDE AV	0.01	2.71	**6**	3.47	0.34	1.37	**9.40**	0.01	0.00	0.38	**0.96**	1.19	0.32	0.38	**2.70**	1.19	0.32	0.38	**2.70**
ADELWCOTTWRM RAMP	0.00	0.80	**1**	1.16	0.00	0.05	**1.29**	0.04	0.00	0.01	**0.06**	0.39	0.00	0.01	**0.41**	0.39	0.00	0.01	**0.41**
BOWEN DR	3.08	4.08	**4**	0.83	0.09	0.88	**3.32**	0.32	0.11	0.24	**0.96**	0.32	0.11	0.24	**0.96**	0.32	0.11	0.24	**0.96**
BOWEN DR	3.20	4.10	**2**	1.05	0.00	0.11	**1.37**	0.40	0.00	0.03	**0.45**	0.40	0.00	0.03	**0.45**	0.40	0.00	0.03	**0.45**
BRISBANE AV	0.00	1.20	**8**	1.00	0.00	4.42	**6.84**	0.35	0.00	1.57	**2.27**	0.35	0.00	1.57	**2.27**	0.35	0.00	1.57	**2.27**
BRISBANE AV	0.09	1.19	**5**	0.76	0.00	3.97	**7.08**	0.28	0.00	1.70	**2.74**	0.28	0.00	1.70	**2.74**	0.28	0.00	1.70	**2.74**
CANBENORSNRM RD	0.00	0.50	**0**	0.33	0.02	0.00	**0.41**	0.12	0.02	0.00	**0.15**	0.12	0.02	0.00	**0.15**	0.12	0.02	0.00	**0.15**
CANBERRA AV	3.68	3.98	**0**	0.21	0.04	0.25	**0.82**	0.08	0.04	0.08	**0.27**	0.08	0.04	0.08	**0.27**	0.08	0.04	0.08	**0.27**
CANBERRA AV	3.98	4.98	**4**	0.89	0.00	3.09	**5.32**	0.31	0.00	1.30	**1.99**	0.31	0.00	1.30	**1.99**	0.31	0.00	1.30	**1.99**
CANBERRA AV	4.98	6.28	**6**	0.69	0.00	3.12	**6.99**	0.23	0.00	1.41	**2.60**	0.23	0.00	1.41	**2.60**	0.23	0.00	1.41	**2.60**
CANBERRA AV	6.28	6.48	**0**	0.08	0.00	0.17	**0.42**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**
CANBERRA AV	6.48	9.48	**18**	3.24	0.11	8.00	**18.02**	0.01	0.10	3.17	**5.00**	0.94	0.10	3.17	**5.93**	0.94	0.10	3.10	**5.82**
CANBERRA AV	9.48	12.48	**3**	2.21	0.01	2.43	**7.93**	0.01	0.00	0.23	**0.47**	0.34	0.00	0.23	**0.81**	0.34	0.00	0.23	**0.81**
CANBERRA AV	0.06	0.56	**1**	1.03	0.01	0.72	**2.50**	0.13	0.01	0.33	**0.70**	0.39	0.01	0.33	**0.96**	0.39	0.01	0.33	**0.96**
CANBERRA AV	0.56	1.56	**19**	0.65	0.01	11.07	**14.99**	0.23	0.01	4.78	**5.96**	0.23	0.01	4.78	**5.96**	0.23	0.01	4.78	**5.96**
CANBERRA AV	1.56	3.06	**11**	1.59	0.01	6.57	**10.34**	0.55	0.01	2.96	**4.17**	0.55	0.01	2.96	**4.17**	0.55	0.01	2.96	**4.17**
CANBERRA AV	3.06	3.76	**2**	0.58	0.03	1.57	**3.81**	0.05	0.01	0.41	**0.97**	0.19	0.01	0.41	**1.11**	0.19	0.01	0.39	**1.07**
CANBERRA AV	3.76	4.46	**1**	0.49	0.00	0.76	**2.54**	0.13	0.00	0.28	**0.71**	0.15	0.00	0.28	**0.73**	0.15	0.00	0.28	**0.73**
CANBERRA AV	4.46	5.56	**1**	0.71	0.04	1.84	**3.96**	0.00	0.05	0.72	**1.12**	0.26	0.05	0.72	**1.37**	0.26	0.05	0.69	**1.33**
CANBERRA AV	5.56	8.26	**4**	2.03	0.00	2.26	**7.80**	0.01	0.00	0.73	**1.43**	0.60	0.00	0.73	**2.02**	0.60	0.00	0.73	**2.02**
CANBERRA AV	8.26	8.96	**0**	0.52	0.00	0.47	**1.47**	0.00	0.00	0.14	**0.23**	0.16	0.00	0.14	**0.39**	0.16	0.00	0.14	**0.39**
COTTEADELERM RAMP	0.00	0.60	**1**	0.65	0.01	0.56	**2.30**	0.00	0.01	0.47	**1.09**	0.24	0.01	0.19	**0.67**	0.24	0.01	0.19	**0.67**
IPSWICH ST	0.00	0.40	**1**	0.17	0.01	0.08	**0.38**	0.17	0.01	0.08	**0.38**	0.17	0.01	0.08	**0.38**	0.17	0.01	0.08	**0.38**
IPSWICH ST	0.40	1.10	**2**	0.14	0.01	1.13	**1.06**	0.04	0.02	0.56	**0.70**	0.04	0.02	0.56	**0.70**	0.04	0.02	0.56	**0.70**
IPSWICH ST	0.10	0.70	**1**	0.13	0.01	1.57	**2.31**	0.13	0.00	0.23	**0.44**	0.13	0.00	0.23	**0.44**	0.13	0.00	0.23	**0.44**
MANUKA CIR	0.00	0.30	**4**	0.19	0.01	0.82	**1.09**	0.08	0.03	1.74	**1.97**	0.08	0.03	1.74	**1.97**	0.08	0.03	1.74	**1.97**
MANUKA CIR	0.30	0.70	**3**	0.10	0.00	2.50	**2.93**	0.03	0.00	1.14	**1.23**	0.03	0.00	1.14	**1.23**	0.03	0.00	1.14	**1.23**
MANUKA CIR	0.70	1.00	**4**	0.18	0.01	0.68	**0.94**	0.07	0.02	1.52	**1.72**	0.07	0.02	1.52	**1.72**	0.07	0.02	1.52	**1.72**
MANUKA CIR	0.22	0.62	**4**	0.13	0.00	2.80	**3.79**	0.04	0.00	1.45	**1.67**	0.04	0.00	1.45	**1.67**	0.04	0.00	1.45	**1.67**
MONANMORSWRM RAMP	0.00	0.80	**0**	0.32	0.00	0.24	**0.79**	0.08	0.00	0.08	**0.18**	0.08	0.00	0.08	**0.18**	0.08	0.00	0.08	**0.18**
MONANMORSWRM RAMP	0.04	0.84	**4**	0.68	0.01	1.95	**3.36**	0.03	0.00	0.83	**0.98**	0.15	0.00	0.83	**1.10**	0.15	0.00	0.83	**1.10**
MORSHEAD DR	0.00	0.70	**1**	0.49	0.04	0.31	**1.20**	0.10	0.00	0.03	**0.19**	0.10	0.00	0.03	**0.19**	0.10	0.00	0.03	**0.19**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI
MORSHEAD DR	0.70	2.80	**3**	1.65	0.10	0.61	**3.32**	0.01	0.01	0.06	**0.20**	0.29	0.01	0.06	**0.48**	0.29	0.01	0.06	**0.48**
MORSHEAD DR	0.05	0.55	**5**	0.47	0.04	0.74	**2.44**	0.10	0.00	0.10	**0.41**	0.10	0.00	0.10	**0.41**	0.10	0.00	0.10	**0.41**
MORSHEAD DR	0.55	2.85	**10**	3.00	0.22	0.88	**6.18**	0.01	0.00	0.10	**0.31**	0.55	0.01	0.10	**0.94**	0.55	0.01	0.10	**0.94**
Eyre St	0.00	0.40	**0**	0.01	0.00	0.07	**0.12**	0.02	0.00	0.01	**0.04**	0.02	0.00	0.01	**0.04**	0.02	0.00	0.01	**0.04**
NEWCASTLE ST	0.00	0.20	**0**	0.08	0.01	0.03	**0.14**	0.08	0.01	0.03	**0.14**	0.08	0.01	0.03	**0.14**	0.08	0.01	0.03	**0.14**
NEWCASTLE ST	0.20	1.70	**5**	0.28	0.01	2.61	**3.72**	0.08	0.01	0.88	**1.10**	0.08	0.01	0.88	**1.10**	0.08	0.01	0.88	**1.10**
NEWCASTLE ST	1.70	1.90	**5**	0.11	0.01	0.02	**0.30**	0.11	0.01	0.02	**0.30**	0.11	0.01	0.02	**0.30**	0.11	0.01	0.02	**0.30**
NEWCASTLE ST	1.90	2.80	**4**	0.19	0.00	2.14	**3.44**	0.06	0.01	0.84	**1.09**	0.06	0.01	0.84	**1.09**	0.06	0.01	0.84	**1.09**
NEWCASTLE ST	0.36	1.66	**3**	0.53	0.01	1.15	**2.24**	0.16	0.02	0.38	**0.64**	0.16	0.02	0.38	**0.64**	0.16	0.02	0.38	**0.64**
NEWCASTLE ST	1.86	2.86	**3**	0.27	0.01	2.32	**3.53**	0.08	0.01	0.92	**1.18**	0.08	0.01	0.92	**1.18**	0.08	0.01	0.92	**1.18**
NORSE RD	0.00	0.60	**2**	0.26	0.02	0.14	**0.64**	0.26	0.02	0.14	**0.64**	0.26	0.02	0.14	**0.64**	0.26	0.02	0.14	**0.64**
OAKS ESTATE RD	0.00	0.80	**1**	0.33	0.02	0.05	**0.48**	0.33	0.02	0.05	**0.48**	0.33	0.02	0.05	**0.48**	0.33	0.02	0.05	**0.48**
OAKS ESTATE RD	0.80	1.80	**10**	0.09	0.01	0.49	**0.64**	0.09	0.00	0.06	**0.16**	0.09	0.00	0.06	**0.16**	0.09	0.00	0.06	**0.16**
PIALLIGO AV	1.32	3.22	**4**	0.62	0.01	1.16	**3.39**	0.20	0.01	0.32	**0.79**	0.20	0.01	0.32	**0.79**	0.20	0.01	0.32	**0.79**
PIALLIGO AV	3.22	4.12	**1**	0.97	0.29	0.07	**1.61**	0.97	0.29	0.07	**1.61**	0.97	0.29	0.07	**1.61**	0.97	0.29	0.07	**1.61**
PIALLIGO AV	4.12	4.42	**0**	0.07	0.10	0.00	**0.25**	0.07	0.10	0.00	**0.25**	0.07	0.10	0.00	**0.25**	0.07	0.10	0.00	**0.25**
PIALLIGO AV	4.42	5.22	**2**	0.31	0.09	0.44	**1.83**	0.09	0.10	0.12	**0.49**	0.09	0.10	0.12	**0.49**	0.09	0.10	0.12	**0.49**
PIALLIGO AV	5.22	7.52	**6**	0.30	1.05	2.58	**6.26**	#N/A	#N/A	0.02	**0.02**	0.28	0.63	0.55	**2.33**	0.28	0.63	0.55	**2.33**
PIALLIGO AV	7.52	9.52	**5**	0.30	0.33	3.23	**5.39**	#N/A	#N/A	0.38	**0.38**	0.28	0.20	0.62	**1.63**	0.28	0.20	0.62	**1.63**
PIALLIGO AV	3.27	4.07	**0**	0.48	0.10	0.90	**2.42**	0.11	0.01	0.15	**0.47**	0.11	0.01	0.15	**0.47**	0.11	0.01	0.15	**0.47**
PIALLIGO AV	4.07	5.37	**4**	0.45	0.00	0.40	**1.38**	0.14	0.00	0.10	**0.32**	0.14	0.00	0.10	**0.32**	0.14	0.00	0.10	**0.32**
PIALLIGO AV	6.57	7.27	**1**	0.25	0.17	0.43	**1.83**	0.05	0.01	0.05	**0.24**	0.05	0.01	0.05	**0.27**	0.05	0.01	0.05	**0.27**
SYDNEY AV	0.00	0.60	**1**	0.02	0.00	0.93	**1.02**	0.01	0.00	0.31	**0.32**	0.01	0.00	0.31	**0.32**	0.01	0.00	0.31	**0.32**
SYDNEY AV	0.02	0.62	**3**	0.04	0.00	1.35	**1.43**	0.01	0.00	0.41	**0.42**	0.01	0.00	0.41	**0.42**	0.01	0.00	0.41	**0.42**
WENTWORTH AV	0.00	1.80	**16**	0.36	0.00	7.27	**10.25**	0.11	0.00	2.94	**3.50**	0.11	0.00	2.94	**3.50**	0.11	0.00	2.94	**3.50**
WENTWORTH AV	0.01	1.71	**10**	0.50	0.00	5.41	**6.84**	0.15	0.00	2.03	**2.33**	0.15	0.00	2.03	**2.33**	0.15	0.00	2.03	**2.33**
ASHLEY DR	0.00	3.60	**17**	0.73	0.01	1.61	**3.50**	0.13	0.00	0.16	**0.44**	0.13	0.00	0.16	**0.44**	0.13	0.00	0.16	**0.44**
ASHLEY DR	0.07	0.57	**1**	0.13	0.01	1.21	**1.66**	0.04	0.01	0.50	**0.60**	0.04	0.01	0.50	**0.60**	0.04	0.01	0.50	**0.60**
ASHLEY DR	0.57	0.87	**2**	0.30	0.00	0.17	**0.54**	0.06	0.00	0.02	**0.09**	0.06	0.00	0.02	**0.09**	0.06	0.00	0.02	**0.09**
ASHLEY DR	0.87	1.27	**1**	0.04	0.00	0.33	**0.53**	0.01	0.00	0.04	**0.06**	0.01	0.00	0.04	**0.06**	0.01	0.00	0.04	**0.06**
ASHLEY DR	1.27	1.47	**1**	0.03	0.00	0.25	**0.36**	0.01	0.00	0.03	**0.04**	0.01	0.00	0.03	**0.04**	0.01	0.00	0.03	**0.04**
ASHLEY DR	1.47	3.67	**7**	0.39	0.01	0.70	**1.54**	0.07	0.00	0.07	**0.19**	0.07	0.00	0.07	**0.19**	0.07	0.00	0.07	**0.19**
GREENHILLS DR	0.00	0.30	**0**	0.01	0.00	0.05	**0.12**	0.00	0.00	0.01	**0.01**	0.00	0.00	0.01	**0.01**	0.00	0.00	0.01	**0.01**
HUME PL	1.70	2.00	**5**	0.09	0.00	0.00	**0.09**	0.02	0.00	0.00	**0.02**	0.02	0.00	0.00	**0.02**	0.02	0.00	0.00	**0.02**
JERRABOMBERRA AV	0.00	2.00	**6**	0.10	0.00	3.47	**3.82**	0.03	0.00	1.17	**1.23**	0.03	0.00	1.17	**1.23**	0.03	0.00	1.17	**1.23**
JERRABOMBERRA AV	2.87	3.77	**0**	0.04	0.00	0.61	**0.73**	0.01	0.00	0.18	**0.21**	0.01	0.00	0.18	**0.21**	0.01	0.00	0.18	**0.21**
JERRABOMBERRA AV	3.77	4.87	**1**	0.04	0.00	0.25	**0.65**	0.01	0.00	0.02	**0.08**	0.01	0.00	0.02	**0.08**	0.01	0.00	0.02	**0.08**
LADY DENMAN DR	0.00	0.20	**0**	0.12	0.00	0.13	**0.38**	0.03	0.00	0.02	**0.06**	0.03	0.00	0.02	**0.06**	0.03	0.00	0.02	**0.06**
LADY DENMAN DR	0.20	3.20	**6**	0.35	0.10	0.28	**0.99**	0.43	0.03	0.07	**0.78**	0.43	0.03	0.07	**0.78**	0.43	0.03	0.07	**0.78**
LADY DENMAN DR	3.20	6.50	**3**	0.32	0.08	0.82	**1.71**	0.37	0.06	0.11	**0.68**	0.37	0.06	0.11	**0.68**	0.37	0.06	0.11	**0.68**
LANYON DR	0.00	1.60	**1**	0.43	0.01	0.46	**1.39**	0.07	0.00	0.05	**0.17**	0.07	0.00	0.05	**0.17**	0.07	0.00	0.05	**0.17**
LANYON DR	0.09	1.69	**16**	0.09	0.00	0.33	**0.53**	0.10	0.00	0.04	**0.17**	0.10	0.00	0.04	**0.17**	0.10	0.00	0.04	**0.17**
LAUNCESTON ST	0.00	0.40	**5**	0.11	0.01	3.02	**4.00**	0.03	0.01	1.32	**1.55**	0.03	0.01	1.32	**1.55**	0.03	0.01	1.32	**1.55**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI
LAUNCESTON ST	0.40	1.50	**0**	0.43	0.03	0.27	**0.92**	0.43	0.03	0.27	**0.92**	0.43	0.03	0.27	**0.92**	0.43	0.03	0.27	**0.92**
LAUNCESTON ST	1.50	2.50	**3**	0.53	0.01	1.93	**3.41**	0.17	0.01	0.82	**1.20**	0.17	0.01	0.82	**1.20**	0.17	0.01	0.82	**1.20**
LAUNCESTON ST	0.16	1.16	**9**	0.56	0.01	5.77	**8.60**	0.18	0.01	2.88	**3.63**	0.18	0.01	2.88	**3.63**	0.18	0.01	2.88	**3.63**
MELROSE DR	0.00	2.90	**11**	1.48	0.09	4.28	**10.05**	0.49	0.10	1.44	**2.84**	0.49	0.10	1.44	**2.84**	0.49	0.10	1.44	**2.84**
MELROSE DR	0.03	1.03	**6**	0.42	0.01	1.23	**2.71**	0.14	0.01	0.37	**0.69**	0.14	0.01	0.37	**0.69**	0.14	0.01	0.37	**0.69**
MELROSE DR	1.03	2.93	**9**	1.03	0.02	5.08	**9.17**	0.34	0.02	2.03	**3.09**	0.34	0.02	2.03	**3.09**	0.34	0.02	2.03	**3.09**
PARKES WY	0.00	3.50	**10**	1.26	0.00	0.00	**1.70**	0.14	0.00	0.00	**0.58**	1.03	0.00	0.00	**1.47**	1.03	0.00	0.00	**1.47**
PARKES WY	3.50	4.50	**1**	2.16	0.00	0.54	**3.69**	0.01	0.00	0.15	**0.38**	1.18	0.00	0.15	**1.55**	1.18	0.00	0.15	**1.55**
PARKES WY	4.50	6.00	**9**	3.12	0.07	1.11	**7.17**	0.02	0.09	0.30	**0.97**	1.52	0.09	0.30	**2.47**	1.52	0.09	0.30	**2.47**
PARKES WY	0.09	5.99	**19**	3.28	0.01	0.01	**4.37**	0.19	0.00	0.01	**1.26**	2.72	0.00	0.01	**3.79**	2.72	0.00	0.01	**3.79**
STURT AV	0.00	1.30	**5**	0.15	0.00	0.95	**1.51**	0.03	0.00	0.10	**0.18**	0.03	0.00	0.10	**0.18**	0.03	0.00	0.10	**0.18**
STURT AV	0.08	1.28	**2**	0.07	0.00	1.68	**2.07**	0.02	0.00	0.04	**0.10**	0.02	0.00	0.04	**0.10**	0.02	0.00	0.04	**0.10**
YARRA GLEN	0.00	2.50	**4**	2.29	0.10	0.18	**3.48**	0.01	0.02	0.03	**0.18**	0.57	0.02	0.03	**0.75**	0.57	0.02	0.03	**0.75**
YARRA GLEN	0.02	2.62	**0**	1.92	0.06	0.68	**3.81**	0.00	0.01	0.07	**0.15**	0.25	0.01	0.07	**0.39**	0.25	0.01	0.07	**0.39**
BARTNGUNGERM RAMP	4.37	4.77	**0**	0.32	0.00	0.04	**0.41**	0.08	0.00	0.00	**0.09**	0.08	0.00	0.00	**0.09**	0.08	0.00	0.00	**0.09**
BANDNGUNGNBELCW RM RAMP	1.20	1.40	**0**	0.03	0.00	0.01	**0.06**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
BANDNGUNGNRM RAMP	3.07	3.27	**0**	0.01	0.00	0.01	**0.03**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
BARTSGUNGERM RAMP	1.40	1.70	**0**	0.13	0.00	0.04	**0.21**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**
BARTSGUNGWRM RAMP	3.19	3.79	**0**	0.42	0.00	0.06	**0.54**	0.08	0.00	0.01	**0.09**	0.08	0.00	0.01	**0.09**	0.08	0.00	0.01	**0.09**
BELCEGUNGNRM RAMP	0.00	0.50	**0**	0.22	0.00	0.54	**1.29**	0.04	0.00	0.09	**0.23**	0.04	0.00	0.09	**0.23**	0.04	0.00	0.09	**0.23**
BELCWGUNGS RAMP	0.00	1.00	**1**	0.18	0.01	0.81	**2.17**	0.03	0.00	0.11	**0.34**	0.03	0.00	0.11	**0.34**	0.03	0.00	0.11	**0.34**
BELCWGUNGSRM OFF RM RAMP	0.00	0.20	**0**	0.02	0.00	0.01	**0.04**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
GINNEGUNGNRM RAMP	0.50	0.90	**0**	0.16	0.00	0.06	**0.28**	0.03	0.00	0.01	**0.04**	0.03	0.00	0.01	**0.04**	0.03	0.00	0.01	**0.04**
GINNWGUNGSRM RAMP.	5.51	6.01	**2**	0.30	0.00	0.12	**0.48**	0.05	0.00	0.01	**0.07**	0.05	0.00	0.01	**0.07**	0.05	0.00	0.01	**0.07**
GUNGNBELCWRM RAMP	0.00	0.90	**0**	0.16	0.00	0.25	**0.65**	0.03	0.00	0.03	**0.09**	0.03	0.00	0.03	**0.09**	0.03	0.00	0.03	**0.09**
GUNGNGINNWRM RAMP	0.00	0.50	**0**	0.22	0.00	0.26	**0.74**	0.04	0.00	0.03	**0.10**	0.04	0.00	0.03	**0.10**	0.04	0.00	0.03	**0.10**
GUNGSBELCERM RAMP	7.69	8.29	**0**	0.38	0.00	0.46	**1.30**	0.07	0.00	0.06	**0.20**	0.07	0.00	0.06	**0.20**	0.07	0.00	0.06	**0.20**
GUNGSBELCWGUNGS RM RAMP	0.00	0.40	**0**	0.06	0.00	0.01	**0.08**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
GUNGSGINNERM RAMP	5.01	5.51	**0**	0.31	0.00	0.25	**0.80**	0.06	0.00	0.03	**0.12**	0.06	0.00	0.03	**0.12**	0.06	0.00	0.03	**0.12**

Road name	Chainage		Total Observ. FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter.	Total ANRA MFSI
GUNGEBARTNRM RAMP	2.33	2.93	**0**	0.37	0.00	0.43	**1.23**	0.07	0.00	0.06	**0.19**	0.07	0.00	0.06	**0.19**	0.07	0.00	0.06	**0.19**
GUNGEBARTSRM RAMP	0.00	0.30	**0**	0.19	0.00	0.00	**0.19**	0.04	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**
GUNGWBARTSRM RAMP	3.81	4.21	**0**	0.30	0.00	0.39	**1.07**	0.07	0.00	0.03	**0.12**	0.07	0.00	0.03	**0.12**	0.07	0.00	0.03	**0.12**
MELRYARRRA	0.51	0.71	**0**	0.17	0.00	0.00	**0.17**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**
VERNON CIR	4.01	4.41	**1**	0.11	0.00	0.00	**0.11**	0.04	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**
VERNON CIR	0.00	0.40	**1**	0.28	0.00	0.10	**0.42**	0.09	0.00	0.00	**0.10**	0.09	0.00	0.00	**0.10**	0.09	0.00	0.00	**0.10**
WAKEFIELD AV	0.00	0.20	**1**	0.01	0.00	0.01	**0.02**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
WAKEFIELD AV	0.59	0.89	**0**	0.01	0.00	0.02	**0.03**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
WAKEFIELD AV	1.13	1.53	**2**	0.02	0.00	0.04	**0.06**	0.00	0.00	0.03	**0.05**	0.00	0.00	0.03	**0.05**	0.00	0.00	0.03	**0.05**
WAKEFIELD AV	1.53	1.73	**0**	0.00	0.00	0.30	**0.38**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**
Glenloch Interchange North East	1.20	2.80	**4**	1.26	0.00	0.09	**1.46**	0.01	0.00	0.01	**0.03**	0.21	0.00	0.01	**0.23**	0.21	0.00	0.01	**0.23**
Glenloch Interchange south	1.30	2.80	**2**	0.25	0.00	0.09	**0.46**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**
Glenloch Interchange North loop	0.60	2.00	**1**	1.09	0.00	0.07	**1.23**	0.01	0.00	0.01	**0.02**	0.19	0.00	0.01	**0.21**	0.19	0.00	0.01	**0.21**
Glenloch Interchange West	0.00	1.80	**2**	1.17	0.00	0.06	**1.30**	0.00	0.00	0.01	**0.02**	0.20	0.00	0.01	**0.22**	0.20	0.00	0.01	**0.22**
Glenloch Interchange South West	0.00	1.20	**1**	0.49	0.00	0.06	**0.64**	0.08	0.00	0.01	**0.10**	0.08	0.00	0.01	**0.10**	0.08	0.00	0.01	**0.10**
Glenloch Interchange North	0.00	1.10	**0**	0.53	0.00	0.06	**0.66**	0.00	0.00	0.01	**0.02**	0.09	0.00	0.01	**0.10**	0.09	0.00	0.01	**0.10**
Glenloch Interchange South East	0.00	1.80	**3**	0.79	0.00	0.17	**1.23**	0.01	0.00	0.02	**0.06**	0.13	0.00	0.02	**0.17**	0.13	0.00	0.02	**0.17**
Glenloch Interchange North West	0.00	1.00	**1**	0.47	0.00	0.06	**0.59**	0.07	0.00	0.01	**0.09**	0.07	0.00	0.01	**0.09**	0.07	0.00	0.01	**0.09**
Glenloch Interchange South West loop	0.00	0.60	**2**	0.65	0.00	0.08	**0.81**	0.01	0.00	0.01	**0.03**	0.11	0.00	0.01	**0.12**	0.11	0.00	0.01	**0.12**
Glenloch Interchange South link	0.00	0.60	**0**	0.29	0.00	0.00	**0.29**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**

J2 BASELINE, ATLM PLUS ROADSIDE BARRIERS AND ATLM PLUS ROADSIDE AND MEDIUM BARRIERS- ANRAM FSI CRASHES

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
CLUNIES ROSS ST	0.00	0.20	**0**	0.01	0.00	0.06	**0.12**	0.00	0.00	0.01	**0.01**	0.00	0.00	0.01	**0.01**
CLUNIES ROSS ST	0.20	0.50	**0**	0.01	0.00	0.04	**0.06**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**
CLUNIES ROSS ST	0.50	1.50	**2**	0.12	0.00	0.05	**0.22**	0.12	0.00	0.05	**0.22**	0.12	0.00	0.05	**0.22**
CLUNIES ROSS ST	0.06	0.26	**0**	0.01	0.00	0.09	**0.18**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**
CORANDERRK ST	0.00	0.70	**5**	0.10	0.00	0.67	**1.35**	0.03	0.00	0.23	**0.34**	0.03	0.00	0.23	**0.34**
CORANDERRK ST	0.70	1.50	**3**	0.16	0.00	0.34	**0.57**	0.16	0.00	0.34	**0.57**	0.16	0.00	0.34	**0.57**
CORANDERRK ST	0.01	0.71	**7**	0.18	0.00	2.17	**3.04**	0.06	0.00	0.79	**0.95**	0.06	0.00	0.79	**0.95**
LIMESTONE AV	0.01	1.01	**5**	0.23	0.00	2.00	**3.58**	0.07	0.00	0.72	**1.04**	0.07	0.00	0.72	**1.04**
LIMESTONE AV	1.01	2.71	**6**	0.56	0.00	2.70	**4.76**	0.17	0.00	0.97	**1.41**	0.17	0.00	0.97	**1.41**
LIMESTONE AV	0.00	1.00	**8**	0.14	0.00	4.26	**5.63**	0.04	0.00	1.63	**1.89**	0.04	0.00	1.63	**1.89**
LIMESTONE AV	1.00	2.70	**9**	0.30	0.00	6.69	**8.10**	0.09	0.00	2.57	**2.86**	0.09	0.00	2.57	**2.86**
MAJURA AV	0.00	1.00	**3**	0.27	0.03	0.24	**0.96**	0.27	0.03	0.24	**0.96**	0.27	0.03	0.24	**0.96**
MAJURA AV	1.00	2.20	**9**	1.06	0.09	0.63	**2.35**	1.06	0.08	0.61	**2.29**	1.06	0.08	0.61	**2.29**
ANTHONY ROLFE AV	0.00	1.00	**9**	0.44	0.00	4.18	**6.25**	0.15	0.00	1.47	**1.94**	0.15	0.00	1.47	**1.94**
ANTHONY ROLFE AV	1.00	2.60	**4**	0.61	0.00	2.86	**5.15**	0.20	0.00	0.99	**1.51**	0.20	0.00	0.99	**1.51**
ANTHONY ROLFE AV	0.04	1.04	**2**	0.65	0.00	0.92	**2.71**	0.22	0.00	0.31	**0.74**	0.22	0.00	0.31	**0.74**
ANTHONY ROLFE AV	1.04	2.74	**6**	0.55	0.00	3.35	**5.42**	0.18	0.00	1.09	**1.54**	0.18	0.00	1.09	**1.54**
CURRAN DR	0.00	0.60	**0**	0.23	0.01	0.39	**1.04**	0.05	0.00	0.05	**0.16**	0.05	0.00	0.05	**0.16**
CURRAN DR	0.60	1.30	**1**	0.34	0.01	0.21	**0.73**	0.11	0.02	0.05	**0.20**	0.11	0.02	0.05	**0.20**
CURRAN DR	1.30	1.60	**1**	0.16	0.01	0.02	**0.25**	0.16	0.01	0.02	**0.25**	0.16	0.01	0.02	**0.25**
CURRAN DR	0.05	1.55	**3**	0.52	0.04	1.58	**2.82**	0.16	0.04	0.47	**0.78**	0.16	0.04	0.47	**0.78**
FEDERAL HWY	0.00	1.10	**0**	0.87	0.00	1.40	**3.64**	0.17	0.00	0.26	**0.75**	0.17	0.00	0.26	**0.75**
FEDERAL HWY	1.10	1.80	**0**	0.55	0.00	0.60	**1.74**	0.00	0.00	0.08	**0.19**	0.00	0.00	0.08	**0.19**
FEDERAL HWY	1.80	2.10	**1**	0.19	0.02	0.40	**1.60**	0.03	0.00	0.08	**0.35**	0.03	0.00	0.08	**0.35**
FEDERAL HWY	2.10	7.10	**2**	1.43	0.00	0.00	**1.73**	0.02	0.00	0.00	**0.32**	0.02	0.00	0.00	**0.32**
FEDERAL HWY	0.09	1.19	**12**	1.14	0.00	1.43	**10.37**	0.22	0.00	0.28	**2.32**	0.22	0.00	0.28	**2.32**
FEDERAL HWY	1.19	1.99	**1**	0.60	0.03	0.93	**3.02**	0.00	0.00	0.16	**0.47**	0.00	0.00	0.16	**0.47**
FEDERAL HWY	1.99	2.29	**1**	0.32	0.00	0.00	**0.32**	0.04	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**
FEDERAL HWY	2.29	7.19	**3**	0.75	0.00	0.01	**1.24**	0.02	0.00	0.01	**0.51**	0.02	0.00	0.01	**0.51**
FLEMINGTON RD	0.00	0.60	**7**	0.22	0.32	0.23	**1.22**	0.22	0.32	0.23	**1.22**	0.22	0.32	0.23	**1.22**
FLEMINGTON RD	0.60	0.80	**2**	0.06	0.03	0.29	**0.67**	0.06	0.03	0.29	**0.67**	0.06	0.03	0.29	**0.67**
FLEMINGTON RD	0.80	1.20	**0**	0.28	0.00	0.00	**0.28**	0.10	0.00	0.00	**0.10**	0.10	0.00	0.00	**0.10**
FLEMINGTON RD	1.20	2.20	**3**	0.66	0.00	0.47	**1.68**	0.22	0.00	0.12	**0.43**	0.22	0.00	0.12	**0.43**
FLEMINGTON RD	2.20	3.30	**0**	0.43	0.00	0.63	**1.77**	0.14	0.00	0.18	**0.45**	0.14	0.00	0.18	**0.45**
FLEMINGTON RD	3.30	3.80	**0**	0.06	0.00	0.00	**0.06**	0.02	0.00	0.00	**0.02**	0.02	0.00	0.00	**0.02**
FLEMINGTON RD	3.80	4.80	**3**	0.56	0.00	0.50	**1.89**	0.18	0.00	0.14	**0.46**	0.18	0.00	0.14	**0.46**
FLEMINGTON RD	4.80	5.10	**0**	0.10	0.00	0.00	**0.10**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**
FLEMINGTON RD	5.10	5.80	**0**	0.27	0.00	0.23	**0.78**	0.09	0.00	0.06	**0.19**	0.09	0.00	0.06	**0.19**
FLEMINGTON RD	5.80	6.30	**3**	0.34	0.00	0.71	**1.85**	0.11	0.00	0.22	**0.49**	0.11	0.00	0.22	**0.49**
FLEMINGTON RD	0.60	1.00	**0**	0.22	0.00	0.00	**0.22**	0.08	0.00	0.00	**0.08**	0.08	0.00	0.00	**0.08**
FLEMINGTON RD	1.00	2.90	**2**	0.77	0.00	0.96	**3.36**	0.25	0.00	0.27	**0.80**	0.25	0.00	0.27	**0.80**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI
FLEMINGTON RD	2.90	3.50	**0**	0.11	0.00	0.00	**0.12**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**
FLEMINGTON RD	3.50	4.50	**1**	0.34	0.00	0.50	**1.41**	0.11	0.00	0.14	**0.34**	0.11	0.00	0.14	**0.34**
FLEMINGTON RD	4.50	5.70	**1**	0.54	0.00	1.04	**3.18**	0.18	0.00	0.34	**0.86**	0.18	0.00	0.34	**0.86**
GUNDAROO DR	0.00	0.40	**5**	0.22	0.00	1.42	**2.18**	0.04	0.00	0.17	**0.30**	0.04	0.00	0.17	**0.30**
GUNDAROO DR	0.40	1.70	**7**	0.31	0.11	0.38	**1.30**	0.29	0.06	0.05	**0.55**	0.29	0.06	0.05	**0.55**
GUNDAROO DR	1.70	2.70	**0**	0.12	0.05	0.14	**0.44**	0.11	0.03	0.02	**0.19**	0.11	0.03	0.02	**0.19**
GUNDAROO DR	2.70	3.40	**3**	0.74	0.00	0.79	**3.33**	0.14	0.00	0.13	**0.64**	0.14	0.00	0.13	**0.64**
GUNDAROO DR	3.40	4.00	**2**	0.41	0.02	0.41	**1.61**	0.15	0.03	0.12	**0.43**	0.15	0.03	0.12	**0.43**
GUNDAROO DR	4.00	4.20	**0**	0.07	0.01	0.20	**0.40**	0.02	0.01	0.07	**0.12**	0.02	0.01	0.07	**0.12**
GUNDAROO DR	4.20	5.40	**3**	0.71	0.00	1.27	**3.42**	0.23	0.00	0.46	**0.95**	0.23	0.00	0.46	**0.95**
GUNDAROO DR	0.03	0.43	**1**	0.16	0.00	0.30	**1.10**	0.03	0.00	0.04	**0.18**	0.03	0.00	0.04	**0.18**
GUNDAROO DR	2.13	2.33	**1**	0.10	0.00	0.21	**0.38**	0.02	0.00	0.02	**0.05**	0.02	0.00	0.02	**0.05**
GUNDAROO DR	2.83	3.93	**6**	0.51	0.01	0.95	**2.37**	0.16	0.01	0.28	**0.58**	0.16	0.01	0.28	**0.58**
GUNDAROO DR	4.13	5.43	**3**	1.22	0.01	0.76	**2.73**	0.25	0.00	0.09	**0.45**	0.25	0.00	0.09	**0.45**
HOSKINS ST	0.00	0.30	**0**	0.12	0.03	0.00	**0.18**	0.12	0.03	0.00	**0.18**	0.12	0.03	0.00	**0.18**
HOSKINS ST	0.30	1.80	**4**	0.51	0.01	2.02	**4.71**	0.16	0.01	0.72	**1.30**	0.16	0.01	0.72	**1.30**
HOSKINS ST	1.80	2.50	**1**	0.62	0.05	0.09	**0.92**	0.62	0.05	0.09	**0.92**	0.62	0.05	0.09	**0.92**
HOSKINS ST	0.30	2.00	**7**	0.41	0.01	3.75	**5.19**	0.13	0.01	1.22	**1.53**	0.13	0.01	1.22	**1.53**
KOSCIUSZKO AV	0.00	1.50	**6**	1.08	0.04	0.47	**2.02**	1.08	0.04	0.47	**2.02**	1.08	0.04	0.47	**2.02**
KOSCIUSZKO AV	1.50	2.00	**0**	0.14	0.00	0.19	**0.40**	0.04	0.00	0.05	**0.10**	0.04	0.00	0.05	**0.10**
KOSCIUSZKO AV	2.00	2.80	**0**	0.38	0.02	0.13	**0.62**	0.38	0.02	0.13	**0.62**	0.38	0.02	0.13	**0.62**
KOSCIUSZKO AV	0.15	0.75	**0**	0.13	0.00	0.28	**0.51**	0.04	0.00	0.08	**0.13**	0.04	0.00	0.08	**0.13**
LYSAGHT ST	0.00	0.80	**1**	0.11	0.00	1.14	**2.26**	0.03	0.00	0.51	**0.74**	0.03	0.00	0.51	**0.74**
LYSAGHT ST	0.03	0.23	**0**	0.03	0.00	0.28	**0.47**	0.01	0.00	0.13	**0.16**	0.01	0.00	0.13	**0.16**
LYSAGHT ST	0.23	0.83	**0**	0.08	0.00	0.79	**1.29**	0.02	0.00	0.33	**0.43**	0.02	0.00	0.33	**0.43**
MIRRABEI DR	0.00	0.70	**0**	0.10	0.03	0.13	**0.36**	0.10	0.02	0.02	**0.16**	0.10	0.02	0.02	**0.16**
MIRRABEI DR	0.70	2.80	**2**	0.32	0.14	0.54	**1.35**	0.31	0.08	0.07	**0.56**	0.31	0.08	0.07	**0.56**
MIRRABEI DR	6.56	6.76	**0**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**
MIRRABEI DR	6.76	7.46	**0**	0.11	0.01	0.59	**1.29**	0.02	0.00	0.08	**0.20**	0.02	0.00	0.08	**0.20**
MIRRABEI DR	0.40	1.10	**1**	0.10	0.00	1.14	**1.69**	0.03	0.00	0.40	**0.51**	0.03	0.00	0.40	**0.51**
MULLIGANS FLAT RD	0.00	0.20	**3**	0.56	0.00	1.09	**2.74**	0.00	0.00	0.32	**0.68**	0.00	0.00	0.32	**0.68**
MULLIGANS FLAT RD	0.20	0.50	**1**	0.04	0.05	0.00	**0.19**	0.02	0.03	0.00	**0.08**	0.02	0.03	0.00	**0.08**
MULLIGANS FLAT RD	0.50	0.70	**0**	0.14	0.10	0.22	**0.73**	0.03	0.01	0.04	**0.13**	0.03	0.01	0.04	**0.13**
MULLIGANS FLAT RD	0.70	2.40	**0**	0.31	0.54	0.65	**2.65**	0.30	0.32	0.09	**1.09**	0.22	0.02	0.05	**0.34**
MULLIGANS FLAT RD	0.06	0.36	**0**	0.27	0.02	0.50	**1.30**	0.06	0.00	0.14	**0.37**	0.06	0.00	0.14	**0.37**
MULLIGANS FLAT RD	0.56	0.76	**1**	0.08	0.07	0.72	**1.13**	0.01	0.00	0.12	**0.19**	0.01	0.00	0.12	**0.19**
SANDFORD ST	0.00	0.30	**3**	0.08	0.01	0.28	**0.88**	0.01	0.00	0.03	**0.12**	0.01	0.00	0.03	**0.12**
SANDFORD ST	0.30	0.50	**0**	0.05	0.01	0.00	**0.09**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
SANDFORD ST	0.50	1.40	**1**	0.07	0.00	1.38	**1.90**	0.02	0.00	0.49	**0.59**	0.02	0.00	0.49	**0.59**
SANDFORD ST	0.04	0.34	**0**	0.14	0.01	0.27	**0.69**	0.02	0.00	0.04	**0.11**	0.02	0.00	0.04	**0.11**
SANDFORD ST	0.54	1.44	**2**	0.15	0.01	2.08	**3.51**	0.04	0.01	1.03	**1.34**	0.04	0.01	1.03	**1.34**
WELL STATION DR	0.00	0.70	**5**	0.25	0.00	0.61	**1.92**	0.04	0.00	0.07	**0.26**	0.04	0.00	0.07	**0.26**
WELL STATION DR	0.70	1.20	**0**	0.02	0.01	0.00	**0.04**	0.02	0.00	0.00	**0.03**	0.02	0.00	0.00	**0.03**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
WELL STATION DR	1.20	1.50	**3**	0.16	0.00	0.26	**1.47**	0.02	0.00	0.04	**0.24**	0.02	0.00	0.04	**0.24**
WELL STATION DR	1.50	1.70	**0**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
WELL STATION DR	1.70	1.90	**0**	0.02	0.00	0.14	**0.30**	0.00	0.00	0.02	**0.04**	0.00	0.00	0.02	**0.04**
WELL STATION DR	1.90	3.50	**2**	0.15	0.04	0.17	**0.48**	0.14	0.02	0.02	**0.22**	0.14	0.02	0.02	**0.22**
WELL STATION DR	3.50	3.80	**0**	0.04	0.01	0.31	**0.69**	0.01	0.00	0.05	**0.12**	0.01	0.00	0.05	**0.12**
WELL STATION DR	0.04	0.84	**1**	0.32	0.00	0.41	**1.12**	0.05	0.00	0.05	**0.15**	0.05	0.00	0.05	**0.15**
WELL STATION DR	1.34	1.94	**0**	0.22	0.02	0.45	**1.18**	0.04	0.00	0.06	**0.18**	0.04	0.00	0.06	**0.18**
WELL STATION DR	3.54	3.84	**0**	0.03	0.01	0.31	**0.67**	0.00	0.00	0.05	**0.12**	0.00	0.00	0.05	**0.12**
WILLIAM SLIM DR	0.00	0.30	**6**	0.45	0.19	2.09	**5.16**	0.15	0.01	0.39	**1.19**	0.09	0.00	0.39	**0.96**
WILLIAM SLIM DR	0.30	0.60	**0**	0.11	0.16	0.00	**0.55**	0.11	0.10	0.00	**0.30**	0.08	0.00	0.00	**0.08**
WILLIAM SLIM DR	0.60	1.00	**0**	0.09	0.18	0.00	**0.60**	0.09	0.12	0.00	**0.32**	0.09	0.03	0.00	**0.16**
WILLIAM SLIM DR	1.00	1.20	**0**	0.23	0.09	0.13	**0.66**	0.07	0.01	0.02	**0.13**	0.07	0.01	0.02	**0.13**
WILLIAM SLIM DR	1.20	1.60	**0**	0.11	0.15	0.00	**0.54**	0.13	0.11	0.00	**0.34**	0.13	0.11	0.00	**0.34**
WILLIAM SLIM DR	1.60	1.80	**3**	1.25	0.15	0.13	**1.79**	0.00	0.01	0.02	**0.09**	0.00	0.01	0.02	**0.09**
WILLIAM SLIM DR	1.80	2.00	**0**	0.05	0.06	0.00	**0.22**	0.03	0.04	0.00	**0.11**	0.03	0.04	0.00	**0.11**
WILLIAM SLIM DR	2.00	2.20	**0**	0.23	0.00	0.13	**0.49**	0.07	0.00	0.02	**0.10**	0.07	0.00	0.02	**0.10**
WILLIAM SLIM DR	2.20	3.30	**9**	0.31	0.27	3.26	**4.55**	0.29	0.16	0.53	**1.23**	0.11	0.00	0.25	**0.40**
WILLIAM SLIM DR	3.30	3.60	**0**	0.53	0.00	0.49	**1.50**	0.00	0.00	0.13	**0.29**	0.00	0.00	0.13	**0.29**
WILLIAM SLIM DR	0.08	0.38	**0**	0.39	0.17	0.35	**1.33**	0.13	0.01	0.06	**0.31**	0.13	0.01	0.06	**0.31**
WILLIAM SLIM DR	1.08	1.28	**0**	0.15	0.06	0.18	**0.60**	0.04	0.00	0.03	**0.11**	0.04	0.00	0.03	**0.11**
WILLIAM SLIM DR	1.58	1.88	**0**	0.52	0.11	0.15	**1.02**	0.00	0.01	0.02	**0.07**	0.00	0.01	0.02	**0.07**
WILLIAM SLIM DR	1.98	2.18	**0**	0.12	0.02	0.14	**0.44**	0.03	0.00	0.02	**0.07**	0.03	0.00	0.02	**0.07**
WILLIAM SLIM DR	3.38	3.58	**3**	0.35	0.03	2.85	**3.60**	0.15	0.00	1.05	**1.36**	0.15	0.00	1.05	**1.36**
AIKMAN DR	0.00	0.50	**2**	0.13	0.00	1.70	**2.14**	0.04	0.00	0.68	**0.77**	0.04	0.00	0.68	**0.77**
AIKMAN DR	0.50	1.40	**1**	0.10	0.00	0.34	**0.94**	0.02	0.00	0.04	**0.12**	0.02	0.00	0.04	**0.12**
AIKMAN DR	0.07	1.47	**5**	0.35	0.00	1.77	**3.13**	0.11	0.00	0.61	**0.88**	0.11	0.00	0.61	**0.88**
BALDWIN DR	0.00	1.20	**3**	0.44	0.14	0.90	**2.47**	0.41	0.08	0.15	**0.96**	0.41	0.08	0.15	**0.96**
BALDWIN DR	1.20	1.60	**4**	0.05	0.01	0.58	**0.70**	0.09	0.01	0.10	**0.23**	0.09	0.01	0.10	**0.23**
BALDWIN DR	1.60	2.10	**0**	0.29	0.04	0.02	**0.40**	0.22	0.03	0.00	**0.27**	0.22	0.03	0.00	**0.27**
BALDWIN DR	2.10	2.60	**0**	0.03	0.01	0.00	**0.07**	0.04	0.01	0.00	**0.05**	0.04	0.01	0.00	**0.05**
BALDWIN DR	2.60	2.90	**0**	0.08	0.01	0.16	**0.42**	0.02	0.00	0.02	**0.06**	0.02	0.00	0.02	**0.06**
BALDWIN DR	2.90	3.30	**0**	0.04	0.02	0.00	**0.09**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**
BALDWIN DR	3.30	3.60	**0**	0.08	0.01	0.26	**0.61**	0.02	0.00	0.04	**0.10**	0.02	0.00	0.04	**0.10**
BINDUBI ST	0.00	1.70	**5**	0.26	0.16	0.56	**1.73**	0.24	0.09	0.08	**0.63**	0.10	0.00	0.04	**0.18**
BINDUBI ST	1.70	2.40	**2**	0.43	0.05	1.94	**3.29**	0.08	0.00	0.35	**0.62**	0.08	0.00	0.35	**0.62**
BINDUBI ST	2.40	3.00	**2**	0.18	0.01	1.22	**2.52**	0.06	0.01	0.47	**0.78**	0.06	0.01	0.47	**0.78**
BINDUBI ST	1.77	2.67	**1**	0.61	0.04	0.93	**2.98**	0.00	0.00	0.15	**0.42**	0.00	0.00	0.15	**0.42**
BINDUBI ST	2.67	2.97	**1**	0.10	0.00	0.45	**1.59**	0.00	0.00	0.21	**0.51**	0.00	0.00	0.21	**0.51**
COLLEGE ST	0.00	0.40	**2**	0.08	0.00	0.22	**0.34**	0.08	0.00	0.22	**0.34**	0.08	0.00	0.22	**0.34**
COLLEGE ST	0.40	0.80	**2**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**
COLLEGE ST	0.80	1.10	**0**	0.05	0.00	0.39	**0.67**	0.02	0.01	0.16	**0.23**	0.02	0.01	0.16	**0.23**
COLLEGE ST	1.10	1.70	**1**	0.23	0.01	0.06	**0.36**	0.23	0.01	0.06	**0.36**	0.23	0.01	0.06	**0.36**
COLLEGE ST	1.70	2.40	**1**	0.12	0.00	0.50	**0.84**	0.04	0.00	0.15	**0.22**	0.04	0.00	0.15	**0.22**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
COLLEGE ST	0.16	0.56	**1**	0.07	0.01	0.31	**0.73**	0.02	0.01	0.10	**0.18**	0.02	0.01	0.10	**0.18**
COLLEGE ST	1.07	1.77	**1**	0.14	0.01	0.74	**1.08**	0.04	0.01	0.22	**0.29**	0.04	0.01	0.22	**0.29**
Eastern Valley Way	0.00	0.80	**3**	0.56	0.00	1.98	**3.27**	0.13	0.00	0.29	**0.55**	0.13	0.00	0.29	**0.55**
Eastern Valley Way	0.80	1.30	**3**	0.21	0.00	0.69	**2.30**	0.06	0.00	0.31	**0.67**	0.06	0.00	0.31	**0.67**
Eastern Valley Way	3.97	4.87	**3**	0.46	0.00	1.37	**2.85**	0.10	0.00	0.18	**0.44**	0.10	0.00	0.18	**0.44**
Eastern Valley Way	4.87	5.27	**1**	0.09	0.00	0.58	**1.57**	0.03	0.00	0.27	**0.50**	0.03	0.00	0.27	**0.50**
HAYDON DR	0.00	2.40	**13**	2.53	0.25	8.30	**17.42**	0.00	0.01	1.95	**3.75**	0.00	0.01	1.95	**3.75**
HAYDON DR	0.03	2.43	**16**	4.39	0.25	7.18	**17.80**	0.01	0.01	1.54	**3.12**	0.01	0.01	1.54	**3.12**
MARIBYRNONG AV	0.00	1.00	**3**	0.64	0.02	0.21	**1.15**	0.64	0.02	0.21	**1.15**	0.64	0.02	0.21	**1.15**
MARIBYRNONG AV	1.00	2.00	**1**	0.50	0.02	0.45	**1.18**	0.50	0.02	0.45	**1.18**	0.50	0.02	0.45	**1.18**
MARIBYRNONG AV	2.00	3.00	**1**	0.38	0.02	0.32	**1.04**	0.38	0.02	0.32	**1.04**	0.38	0.02	0.32	**1.04**
MARIBYRNONG AV	3.00	4.20	**1**	0.40	0.03	0.31	**0.89**	0.40	0.03	0.31	**0.89**	0.40	0.03	0.31	**0.89**
COULTER DR	0.00	2.70	**2**	2.04	0.04	3.04	**8.64**	0.37	0.00	0.51	**1.61**	0.37	0.00	0.51	**1.61**
COULTER DR	2.70	3.90	**6**	0.11	0.18	1.62	**2.82**	0.10	0.10	0.28	**0.77**	0.05	0.00	0.13	**0.28**
COULTER DR	3.90	4.30	**3**	1.16	0.09	0.29	**2.31**	0.24	0.00	0.04	**0.42**	0.24	0.00	0.04	**0.42**
COULTER DR	4.30	5.40	**1**	0.07	0.12	0.45	**1.14**	0.06	0.07	0.06	**0.34**	0.06	0.07	0.06	**0.34**
COULTER DR	5.40	5.70	**1**	0.66	0.07	0.10	**1.03**	0.14	0.00	0.01	**0.18**	0.14	0.00	0.01	**0.18**
COULTER DR	0.02	1.32	**8**	1.27	0.06	5.15	**8.74**	0.24	0.00	0.99	**1.76**	0.24	0.00	0.99	**1.76**
COULTER DR	2.32	2.82	**2**	0.67	0.07	0.24	**1.31**	0.11	0.00	0.03	**0.19**	0.11	0.00	0.03	**0.19**
COULTER DR	3.82	4.02	**1**	0.10	0.05	0.00	**0.47**	0.02	0.00	0.00	**0.06**	0.02	0.00	0.00	**0.06**
COULTER DR	0.07	1.77	**10**	2.28	0.01	5.56	**10.54**	0.44	0.00	1.04	**2.10**	0.44	0.00	1.04	**2.10**
EMU BANK	8.16	8.46	**0**	0.01	0.00	0.39	**0.55**	0.00	0.00	0.17	**0.19**	0.00	0.00	0.17	**0.19**
EMU BANK	8.46	9.56	**7**	0.59	0.01	0.06	**0.75**	0.59	0.01	0.06	**0.75**	0.59	0.01	0.06	**0.75**
EMU BANK	0.01	0.51	**0**	0.05	0.00	0.71	**1.04**	0.01	0.00	0.32	**0.38**	0.01	0.00	0.32	**0.38**
FAIRFAX ST	3.37	3.57	**0**	0.03	0.00	0.14	**0.24**	0.01	0.00	0.04	**0.07**	0.01	0.00	0.04	**0.07**
FAIRFAX ST	3.57	4.47	**6**	0.76	0.01	0.63	**2.08**	0.04	0.00	0.07	**0.21**	0.04	0.00	0.07	**0.21**
FAIRFAX ST	2.65	2.95	**0**	0.07	0.00	0.35	**0.60**	0.02	0.00	0.13	**0.19**	0.02	0.00	0.13	**0.19**
FAIRFAX ST	2.95	3.85	**2**	0.23	0.01	0.22	**0.62**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**
JOYNTON SMITH DR	0.00	1.00	**1**	0.18	0.01	0.72	**1.41**	0.06	0.01	0.22	**0.36**	0.06	0.01	0.22	**0.36**
JOYNTON SMITH DR	0.03	1.13	**0**	0.14	0.01	1.19	**1.96**	0.04	0.01	0.43	**0.59**	0.04	0.01	0.43	**0.59**
LUXTON S	6.80	7.50	**1**	0.18	0.00	1.11	**1.63**	0.05	0.01	0.38	**0.50**	0.05	0.01	0.38	**0.50**
LUXTON S	6.59	7.39	**3**	0.29	0.00	1.25	**2.17**	0.09	0.00	0.44	**0.64**	0.09	0.00	0.44	**0.64**
MACARTHUR AV	0.00	0.20	**9**	0.03	0.00	3.60	**4.67**	0.01	0.00	1.68	**1.91**	0.01	0.00	1.68	**1.91**
MACARTHUR AV	0.20	0.40	**0**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**	0.04	0.00	0.02	**0.08**
MACARTHUR AV	0.40	1.60	**5**	0.30	0.00	2.85	**3.90**	0.09	0.00	1.07	**1.29**	0.09	0.00	1.07	**1.29**
MACARTHUR AV	0.05	0.25	**2**	0.04	0.00	1.98	**2.29**	0.01	0.00	1.20	**1.29**	0.01	0.00	1.20	**1.29**
MACARTHUR AV	0.45	1.55	**3**	0.23	0.00	1.33	**2.23**	0.07	0.00	0.43	**0.61**	0.07	0.00	0.43	**0.61**
SOUTHERN CROSS DR	0.00	1.20	**8**	0.32	0.05	2.39	**3.22**	0.06	0.02	1.30	**1.65**	0.06	0.02	1.30	**1.65**
SOUTHERN CROSS DR	1.20	2.30	**3**	0.86	0.01	0.87	**3.04**	0.20	0.00	0.05	**0.34**	0.20	0.00	0.05	**0.34**
SOUTHERN CROSS DR	2.30	5.30	**9**	2.37	0.03	5.17	**11.37**	0.32	0.00	0.79	**1.82**	0.32	0.00	0.79	**1.82**
SOUTHERN CROSS DR	1.13	2.83	**4**	0.67	0.01	2.57	**5.00**	0.18	0.00	0.35	**0.89**	0.18	0.00	0.35	**0.89**
SOUTHERN CROSS DR	2.83	5.23	**7**	2.19	0.03	5.47	**10.24**	0.27	0.00	0.89	**1.66**	0.27	0.00	0.89	**1.66**
BARRY DR	0.00	2.00	**7**	1.86	0.06	0.59	**3.15**	0.18	0.00	0.06	**0.32**	0.18	0.00	0.06	**0.32**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
BARRY DR	2.00	3.00	**7**	0.73	0.01	1.68	**3.35**	0.21	0.00	0.12	**0.48**	0.21	0.00	0.12	**0.48**
BARRY DR	3.00	3.30	**6**	0.04	0.00	1.81	**3.61**	0.01	0.00	0.25	**0.68**	0.01	0.00	0.25	**0.68**
BARRY DR	0.08	1.98	**5**	0.87	0.07	0.65	**2.57**	0.02	0.00	0.07	**0.21**	0.02	0.00	0.07	**0.21**
BARRY DR	1.98	3.28	**22**	0.68	0.01	3.61	**6.14**	0.20	0.01	1.15	**1.66**	0.20	0.01	1.15	**1.66**
BELCONNEN WY	0.00	1.00	**1**	0.23	0.02	0.79	**1.64**	0.06	0.00	0.08	**0.25**	0.06	0.00	0.08	**0.25**
BELCONNEN WY	1.00	2.60	**6**	0.46	0.03	2.01	**4.39**	0.14	0.03	0.70	**1.23**	0.14	0.03	0.70	**1.23**
BELCONNEN WY	2.60	3.30	**1**	0.31	0.00	0.59	**1.58**	0.10	0.00	0.19	**0.41**	0.10	0.00	0.19	**0.41**
BELCONNEN WY	3.30	8.00	**15**	3.75	0.11	3.74	**15.36**	0.01	0.01	0.50	**1.81**	0.01	0.01	0.50	**1.81**
BELCONNEN WY	0.01	1.01	**1**	0.21	0.01	0.71	**1.46**	0.05	0.00	0.07	**0.22**	0.05	0.00	0.07	**0.22**
BELCONNEN WY	1.01	2.51	**3**	0.55	0.02	1.59	**3.13**	0.15	0.00	0.15	**0.47**	0.15	0.00	0.15	**0.47**
BELCONNEN WY	2.51	7.41	**22**	5.46	0.02	5.48	**17.73**	0.01	0.00	0.73	**1.84**	0.01	0.00	0.73	**1.84**
CLARRIE HERMES DR	0.00	0.30	**2**	0.24	0.05	1.27	**2.07**	0.04	0.00	0.37	**0.59**	0.04	0.00	0.37	**0.59**
CLARRIE HERMES DR	0.30	2.80	**5**	0.32	0.22	0.95	**2.71**	0.50	0.10	0.24	**1.86**	0.14	0.00	0.12	**0.53**
CLARRIE HERMES DR	0.08	0.48	**0**	0.23	0.05	0.48	**1.26**	0.04	0.00	0.09	**0.24**	0.04	0.00	0.09	**0.24**
COOYONG ST	4.96	6.16	**16**	0.39	0.01	4.43	**6.53**	0.12	0.01	1.57	**1.98**	0.12	0.01	1.57	**1.98**
COOYONG ST	4.12	5.32	**10**	0.39	0.00	4.76	**7.12**	0.12	0.00	2.09	**2.58**	0.12	0.00	2.09	**2.58**
DRAKE BROCKMAN DR	0.00	1.60	**3**	0.19	0.04	0.54	**1.17**	0.19	0.02	0.07	**0.41**	0.19	0.02	0.07	**0.41**
DRAKE BROCKMAN DR	1.60	2.60	**0**	0.40	0.04	0.07	**0.58**	0.40	0.04	0.07	**0.58**	0.40	0.04	0.07	**0.58**
KELLEWAY AV	0.00	1.00	**2**	0.62	0.01	0.06	**0.71**	0.62	0.01	0.06	**0.71**	0.62	0.01	0.06	**0.71**
KELLEWAY AV	1.00	2.10	**1**	0.60	0.01	0.05	**0.69**	0.20	0.01	0.02	**0.24**	0.20	0.01	0.02	**0.24**
KERRIGAN ST	4.17	5.17	**1**	0.40	0.02	0.31	**0.87**	0.40	0.02	0.31	**0.87**	0.40	0.02	0.31	**0.87**
KERRIGAN ST	5.17	6.17	**1**	0.48	0.02	0.05	**0.62**	0.48	0.02	0.05	**0.62**	0.48	0.02	0.05	**0.62**
KERRIGAN ST	6.17	7.57	**1**	0.74	0.03	0.10	**0.96**	0.74	0.03	0.10	**0.96**	0.74	0.03	0.10	**0.96**
KINGSFORD SMITH DR	0.00	2.20	**4**	0.42	0.21	3.20	**5.91**	0.48	0.14	0.73	**2.14**	0.48	0.14	0.73	**2.14**
KINGSFORD SMITH DR	2.20	2.50	**1**	0.33	0.06	0.23	**1.13**	0.33	0.06	0.23	**1.13**	0.33	0.06	0.23	**1.13**
KINGSFORD SMITH DR	2.50	3.60	**1**	1.36	0.03	1.25	**3.83**	0.33	0.01	0.12	**0.56**	0.33	0.01	0.12	**0.56**
KINGSFORD SMITH DR	3.60	7.40	**18**	3.60	0.31	9.47	**19.37**	0.03	0.02	1.61	**2.92**	0.03	0.00	1.61	**2.85**
KINGSFORD SMITH DR	0.08	4.98	**17**	5.59	0.44	11.92	**25.67**	0.73	0.03	2.15	**4.62**	0.73	0.01	2.15	**4.56**
KURINGA DR	0.00	0.20	**0**	0.09	0.01	0.33	**0.76**	0.02	0.00	0.09	**0.22**	0.02	0.00	0.09	**0.22**
KURINGA DR	0.20	3.30	**9**	0.64	0.12	0.37	**1.47**	0.32	0.05	0.09	**0.75**	0.32	0.05	0.09	**0.75**
KURINGA DR	0.03	0.33	**0**	0.10	0.01	0.33	**0.77**	0.02	0.00	0.05	**0.14**	0.02	0.00	0.05	**0.14**
OWEN DIXON DR	4.92	5.42	**10**	0.12	0.01	0.54	**0.74**	0.03	0.00	0.23	**0.31**	0.03	0.00	0.23	**0.31**
OWEN DIXON DR	5.42	5.72	**1**	0.02	0.00	0.10	**0.17**	0.02	0.00	0.01	**0.05**	0.02	0.00	0.01	**0.05**
OWEN DIXON DR	5.72	6.42	**1**	0.28	0.01	0.08	**0.43**	0.07	0.01	0.03	**0.14**	0.07	0.01	0.03	**0.14**
OWEN DIXON DR	6.42	8.02	**4**	0.40	0.07	1.12	**2.16**	0.40	0.04	0.17	**0.79**	0.40	0.04	0.17	**0.79**
SPOFFORTH ST	4.90	6.20	**0**	0.14	0.00	0.02	**0.17**	0.14	0.00	0.02	**0.17**	0.14	0.00	0.02	**0.17**
TILLYARD DR	0.00	0.60	**15**	0.18	0.02	9.47	**10.81**	0.04	0.00	0.72	**0.87**	0.04	0.00	0.72	**0.87**
TILLYARD DR	0.60	1.60	**1**	0.98	0.07	0.38	**1.73**	0.98	0.07	0.38	**1.73**	0.98	0.07	0.38	**1.73**
TILLYARD DR	1.60	2.90	**3**	0.99	0.08	0.41	**2.04**	0.99	0.08	0.41	**2.04**	0.99	0.08	0.41	**2.04**
TILLYARD DR	2.90	3.10	**0**	0.03	0.02	0.00	**0.07**	0.03	0.01	0.00	**0.05**	0.03	0.01	0.00	**0.05**
TILLYARD DR	0.04	0.74	**6**	0.18	0.02	4.01	**4.96**	0.06	0.02	1.74	**1.99**	0.06	0.02	1.74	**1.99**
WILLIAM HOVELL DR	10.26	10.56	**1**	0.04	0.02	0.00	**0.26**	0.04	0.01	0.00	**0.21**	0.04	0.01	0.00	**0.21**
WILLIAM HOVELL DR	10.56	14.56	**9**	0.57	0.58	0.01	**2.59**	0.02	0.33	0.00	**0.74**	#N/A	#N/A	0.00	**0.00**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
WILLIAM HOVELL DR	14.56	15.06	**2**	0.08	0.01	0.00	**0.98**	0.06	0.00	0.00	**0.96**	0.06	0.00	0.00	**0.96**
WILLIAM HOVELL DR	15.06	18.06	**5**	0.62	0.06	0.00	**1.27**	0.02	0.05	0.00	**0.60**	0.02	0.05	0.00	**0.60**
WILLIAM HOVELL DR	5.71	6.11	**1**	0.13	0.01	0.00	**0.28**	0.10	0.01	0.00	**0.24**	0.10	0.01	0.00	**0.24**
WILLIAM HOVELL DR	10.21	10.61	**2**	0.06	0.01	0.01	**0.27**	0.05	0.01	0.01	**0.25**	0.05	0.01	0.01	**0.25**
WILLIAM HOVELL DR	10.61	13.61	**7**	0.54	0.04	0.00	**1.47**	0.00	0.03	0.00	**0.86**	0.00	0.03	0.00	**0.86**
ANTILL ST	0.00	0.50	**4**	0.25	0.01	0.00	**0.48**	0.25	0.01	0.00	**0.48**	0.25	0.01	0.00	**0.48**
ANTILL ST	0.50	1.70	**2**	0.19	0.03	0.00	**0.48**	0.19	0.03	0.00	**0.48**	0.19	0.03	0.00	**0.48**
ANTILL ST	1.70	3.10	**3**	0.30	0.03	0.01	**1.55**	0.30	0.03	0.01	**1.55**	0.30	0.03	0.01	**1.55**
ANTILL ST	3.10	5.00	**8**	0.13	0.00	0.02	**1.21**	0.13	0.00	0.02	**1.21**	0.13	0.00	0.02	**1.21**
ANTILL ST	0.23	1.23	**3**	0.10	0.00	0.01	**0.41**	0.10	0.00	0.01	**0.41**	0.10	0.00	0.01	**0.41**
ANTILL ST	1.23	2.13	**1**	0.04	0.00	0.01	**0.50**	0.04	0.00	0.01	**0.50**	0.04	0.00	0.01	**0.50**
BARTON HWY	0.00	3.00	**4**	0.95	0.01	0.02	**2.66**	0.01	0.01	0.02	**1.71**	0.01	0.01	0.02	**1.71**
BARTON HWY	3.00	5.10	**3**	0.84	0.04	0.00	**1.12**	0.01	0.03	0.00	**0.24**	0.01	0.03	0.00	**0.24**
BARTON HWY	5.10	9.10	**4**	0.98	0.03	0.02	**3.26**	0.01	0.02	0.02	**2.25**	0.01	0.02	0.02	**2.25**
BARTON HWY	9.10	12.00	**0**	0.60	0.12	0.02	**2.56**	0.00	0.10	0.02	**1.87**	0.00	0.10	0.02	**1.87**
BARTON HWY	0.04	3.74	**3**	0.80	0.02	0.02	**2.81**	0.01	0.01	0.02	**2.00**	0.01	0.01	0.02	**2.00**
BARTON HWY	3.74	5.94	**6**	1.15	0.02	0.00	**1.35**	0.01	0.02	0.00	**0.17**	0.01	0.02	0.00	**0.17**
BARTON HWY	5.94	9.34	**6**	1.01	0.01	0.03	**2.97**	0.01	0.01	0.03	**1.97**	0.01	0.01	0.03	**1.97**
BARTON HWY	9.34	12.04	**1**	0.98	0.11	0.03	**3.19**	0.01	0.08	0.03	**2.14**	0.01	0.08	0.03	**2.14**
ELLENBOROUGH ST	0.00	0.50	**1**	0.13	0.01	0.12	**0.31**	0.05	0.01	0.00	**0.23**	0.05	0.01	0.00	**0.23**
ELLENBOROUGH ST	0.50	1.30	**1**	0.05	0.02	0.00	**0.15**	0.06	0.02	0.00	**0.10**	0.06	0.02	0.00	**0.10**
ELLENBOROUGH ST	1.30	1.50	**0**	0.01	0.00	0.07	**0.12**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**
ELLENBOROUGH ST	1.50	1.70	**0**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**	0.05	0.01	0.00	**0.07**
ELLENBOROUGH ST	1.70	2.60	**0**	0.11	0.01	0.75	**1.38**	0.03	0.01	0.24	**0.38**	0.03	0.01	0.24	**0.38**
ELLENBOROUGH ST	0.04	1.04	**5**	0.22	0.04	2.01	**2.91**	0.04	0.00	0.24	**0.39**	0.04	0.00	0.24	**0.39**
FLOREY DR	0.00	1.00	**1**	0.56	0.07	0.32	**1.21**	0.13	0.03	0.16	**0.47**	0.13	0.03	0.16	**0.47**
FLOREY DR	1.00	2.20	**4**	0.40	0.07	0.44	**1.26**	0.40	0.07	0.44	**1.26**	0.40	0.07	0.44	**1.26**
GINNINDERRA DR	0.00	3.00	**2**	1.66	0.03	2.39	**6.82**	0.01	0.00	0.32	**0.79**	0.01	0.00	0.32	**0.79**
GINNINDERRA DR	3.00	6.00	**4**	1.99	0.12	2.02	**6.57**	0.00	0.01	0.24	**0.61**	0.00	0.01	0.24	**0.61**
GINNINDERRA DR	6.00	10.20	**3**	2.38	0.08	3.18	**8.11**	0.00	0.00	0.38	**0.75**	0.00	0.00	0.38	**0.75**
GINNINDERRA DR	10.20	10.50	**1**	0.11	0.03	0.00	**0.20**	0.00	0.01	0.00	**0.06**	0.00	0.01	0.00	**0.06**
GINNINDERRA DR	10.50	10.80	**0**	0.14	0.03	0.10	**0.42**	0.03	0.00	0.01	**0.06**	0.03	0.00	0.01	**0.06**
GINNINDERRA DR	10.80	12.20	**7**	0.16	0.10	0.69	**1.48**	0.24	0.05	0.17	**0.92**	0.24	0.05	0.17	**0.92**
GINNINDERRA DR	0.03	3.03	**10**	1.73	0.01	3.67	**8.73**	0.00	0.00	0.47	**0.99**	0.00	0.00	0.47	**0.99**
GINNINDERRA DR	3.03	6.03	**11**	2.33	0.09	3.92	**11.12**	0.00	0.00	0.56	**1.42**	0.00	0.00	0.56	**1.42**
GINNINDERRA DR	6.03	10.23	**6**	2.68	0.12	2.91	**9.31**	0.01	0.01	0.36	**0.92**	0.01	0.01	0.36	**0.92**
GINNINDERRA DR	10.53	10.93	**1**	0.23	0.08	0.46	**1.08**	0.04	0.00	0.05	**0.15**	0.04	0.00	0.05	**0.15**
HORSE PARK DR	0.00	0.40	**2**	0.55	0.04	0.31	**1.24**	0.00	0.00	0.04	**0.10**	0.00	0.00	0.04	**0.10**
HORSE PARK DR	0.40	2.40	**5**	0.04	0.12	0.00	**0.58**	0.07	0.06	0.00	**0.43**	0.07	0.06	0.00	**0.43**
HORSE PARK DR	2.40	5.50	**6**	1.16	0.20	1.57	**5.53**	0.00	0.01	0.18	**0.56**	0.00	0.00	0.18	**0.50**
HORSE PARK DR	5.50	6.50	**1**	0.34	0.06	0.81	**2.46**	0.05	0.00	0.11	**0.38**	0.05	0.00	0.11	**0.37**
HORSE PARK DR	6.50	6.90	**0**	0.13	0.02	0.00	**0.20**	0.02	0.00	0.00	**0.03**	0.02	0.00	0.00	**0.03**
HORSE PARK DR	6.90	7.50	**0**	0.35	0.00	0.47	**1.29**	0.06	0.00	0.06	**0.20**	0.06	0.00	0.06	**0.20**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
HORSE PARK DR	7.50	7.90	**0**	0.08	0.03	0.33	**0.61**	0.11	0.01	0.11	**0.38**	0.11	0.01	0.11	**0.38**
HORSE PARK DR	7.90	8.20	**1**	0.33	0.01	0.28	**1.32**	0.08	0.00	0.04	**0.25**	0.08	0.00	0.04	**0.25**
HORSE PARK DR	10.09	10.49	**0**	0.12	0.02	0.31	**0.79**	0.02	0.00	0.04	**0.12**	0.02	0.00	0.04	**0.12**
HORSE PARK DR	10.49	13.09	**2**	0.40	0.18	0.86	**2.04**	0.59	0.08	0.22	**1.39**	0.20	0.00	0.11	**0.45**
HORSE PARK DR	19.16	19.76	**1**	0.37	0.05	0.30	**0.92**	0.51	0.02	0.08	**0.78**	0.51	0.02	0.08	**0.78**
HORSE PARK DR	0.08	0.48	**0**	0.40	0.05	0.46	**1.38**	0.09	0.00	0.08	**0.27**	0.09	0.00	0.08	**0.27**
HORSE PARK DR	2.48	6.08	**7**	1.24	0.20	2.39	**6.46**	0.00	0.01	0.28	**0.67**	0.01	0.00	0.28	**0.62**
HORSE PARK DR	6.08	7.68	**4**	1.09	0.04	1.42	**4.66**	0.00	0.00	0.18	**0.52**	0.01	0.00	0.18	**0.52**
HORSE PARK DR	8.21	8.41	**0**	0.09	0.04	0.25	**0.63**	0.01	0.00	0.05	**0.12**	0.01	0.00	0.05	**0.12**
HORSE PARK DR	8.91	9.21	**2**	0.36	0.03	0.28	**1.41**	0.06	0.00	0.04	**0.24**	0.06	0.00	0.04	**0.24**
HORSE PARK DR	10.34	10.64	**0**	0.10	0.02	0.28	**0.68**	0.02	0.00	0.04	**0.11**	0.02	0.00	0.04	**0.11**
MOUAT ST	0.00	0.20	**5**	0.02	0.00	0.00	**0.03**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
MOUAT ST	0.20	0.50	**4**	0.07	0.00	0.06	**0.22**	0.02	0.00	0.05	**0.22**	0.02	0.00	0.05	**0.22**
MOUAT ST	0.50	0.80	**0**	0.06	0.00	0.23	**0.38**	0.01	0.00	0.01	**0.04**	0.01	0.00	0.01	**0.04**
MOUAT ST	0.80	1.10	**1**	0.06	0.00	0.03	**0.14**	0.02	0.00	0.03	**0.13**	0.02	0.00	0.03	**0.13**
MOUAT ST	0.07	0.27	**1**	0.02	0.00	0.32	**0.91**	0.00	0.00	0.03	**0.16**	0.00	0.00	0.03	**0.16**
MOUAT ST	0.57	1.17	**1**	0.10	0.00	0.94	**1.25**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**
PHILLIP AV	0.00	1.70	**8**	0.48	0.00	3.68	**5.38**	0.12	0.00	0.37	**0.71**	0.12	0.00	0.37	**0.71**
PHILLIP AV	1.70	2.90	**2**	0.54	0.06	0.23	**1.03**	0.54	0.06	0.23	**1.03**	0.54	0.06	0.23	**1.03**
PHILLIP AV	0.10	1.70	**0**	0.51	0.00	1.93	**3.86**	0.16	0.00	0.76	**1.21**	0.16	0.00	0.76	**1.21**
REDFERN ST	2.61	4.11	**5**	0.89	0.02	0.18	**1.23**	0.89	0.02	0.18	**1.23**	0.89	0.02	0.18	**1.23**
REDFERN ST	4.11	4.61	**0**	0.14	0.01	0.76	**1.37**	0.04	0.01	0.37	**0.51**	0.04	0.01	0.37	**0.51**
SPRINGVALE DR	0.00	1.00	**5**	0.26	0.02	0.81	**1.35**	0.26	0.02	0.81	**1.35**	0.26	0.02	0.81	**1.35**
SPRINGVALE DR	1.00	2.60	**1**	0.46	0.03	0.06	**0.61**	0.46	0.03	0.06	**0.61**	0.46	0.03	0.06	**0.61**
MAJURA PWY	0.00	0.80	**1**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
MAJURA PWY	0.80	3.80	**1**	0.18	0.01	0.00	**0.33**	0.14	0.01	0.00	**0.28**	0.14	0.01	0.00	**0.28**
MAJURA PWY	3.80	9.00	**1**	0.74	0.04	0.00	**1.09**	0.06	0.03	0.00	**0.36**	0.06	0.03	0.00	**0.36**
MAJURA PWY	9.00	11.00	**3**	0.35	0.00	0.02	**1.75**	0.29	0.00	0.02	**1.69**	0.29	0.00	0.02	**1.69**
MAJURA PWY	0.03	1.03	**0**	0.03	0.00	0.00	**0.08**	0.03	0.00	0.00	**0.07**	0.03	0.00	0.00	**0.07**
MAJURA PWY	1.03	4.03	**0**	0.10	0.01	0.00	**0.16**	0.08	0.01	0.00	**0.13**	0.08	0.01	0.00	**0.13**
MAJURA PWY	4.03	9.73	**3**	1.06	0.03	0.00	**1.49**	0.04	0.03	0.00	**0.43**	0.04	0.03	0.00	**0.43**
MAJURA PWY	9.73	11.03	**3**	0.25	0.00	0.01	**0.64**	0.20	0.00	0.01	**0.59**	0.20	0.00	0.01	**0.59**
BENJAMIN WY	0.00	1.40	**5**	0.06	0.00	2.26	**2.70**	0.02	0.00	0.73	**0.80**	0.02	0.00	0.73	**0.80**
BENJAMIN WY	0.02	1.42	**9**	0.11	0.00	2.92	**3.87**	0.03	0.00	1.06	**1.22**	0.03	0.00	1.06	**1.22**
CASWELL DR	0.05	2.95	**1**	0.24	0.00	0.00	**0.31**	0.19	0.00	0.00	**0.27**	0.19	0.00	0.00	**0.27**
CASWELL DR	0.00	2.80	**3**	0.66	0.00	0.06	**0.78**	0.02	0.00	0.01	**0.03**	0.02	0.00	0.01	**0.03**
CHEWINGS ST	0.00	1.40	**5**	0.29	0.01	0.32	**0.79**	0.29	0.01	0.32	**0.79**	0.29	0.01	0.32	**0.79**
GUNGAHLIN DR	0.00	4.40	**6**	0.86	0.00	0.12	**1.16**	0.01	0.00	0.01	**0.04**	0.01	0.00	0.01	**0.04**
GUNGAHLIN DR	4.40	7.40	**6**	0.93	0.04	0.43	**2.36**	0.00	0.00	0.04	**0.16**	0.00	0.00	0.04	**0.16**
GUNGAHLIN DR	7.40	10.50	**5**	1.67	0.15	2.47	**6.67**	0.00	0.01	0.30	**0.67**	0.00	0.00	0.30	**0.63**
GUNGAHLIN DR	10.50	11.00	**0**	0.05	0.03	0.00	**0.13**	0.06	0.01	0.00	**0.11**	0.06	0.01	0.00	**0.10**
GUNGAHLIN DR	11.00	11.30	**0**	0.23	0.03	0.16	**0.61**	0.04	0.00	0.02	**0.09**	0.04	0.00	0.02	**0.09**
GUNGAHLIN DR	11.30	12.60	**5**	0.26	0.10	0.12	**0.81**	0.38	0.04	0.03	**0.72**	0.38	0.04	0.03	**0.72**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
GUNGAHLIN DR	0.02	5.82	**9**	1.66	0.00	0.14	**2.00**	0.04	0.00	0.01	**0.08**	0.04	0.00	0.01	**0.08**
GUNGAHLIN DR	5.82	8.82	**2**	0.79	0.09	1.42	**4.07**	0.00	0.00	0.16	**0.41**	0.00	0.00	0.16	**0.41**
GUNGAHLIN DR	8.82	10.62	**1**	0.72	0.01	1.99	**4.51**	0.16	0.01	0.74	**1.25**	0.16	0.01	0.74	**1.25**
WILLIAM WEBB DR	0.00	1.00	**1**	0.44	0.03	0.44	**1.10**	0.14	0.01	0.38	**0.87**	0.14	0.01	0.38	**0.87**
WILLIAM WEBB DR	1.00	2.40	**3**	0.92	0.06	0.29	**1.42**	0.30	0.02	0.25	**0.84**	0.30	0.02	0.25	**0.84**
FAIRBAIRN AV	0.00	0.40	**2**	0.11	0.01	1.18	**1.65**	0.03	0.00	0.13	**0.23**	0.03	0.00	0.13	**0.23**
FAIRBAIRN AV	0.40	0.70	**0**	0.06	0.00	0.24	**0.54**	0.01	0.00	0.03	**0.08**	0.01	0.00	0.03	**0.08**
FAIRBAIRN AV	0.70	1.20	**0**	0.07	0.00	0.26	**0.47**	0.02	0.01	0.07	**0.12**	0.02	0.01	0.07	**0.12**
FAIRBAIRN AV	1.20	2.40	**2**	0.09	0.03	0.06	**0.24**	0.11	0.02	0.01	**0.15**	0.11	0.02	0.01	**0.15**
FAIRBAIRN AV	2.40	2.60	**2**	0.03	0.00	0.04	**0.12**	0.03	0.00	0.00	**0.05**	0.03	0.00	0.00	**0.05**
FAIRBAIRN AV	2.60	3.10	**3**	0.11	0.00	0.38	**0.87**	0.03	0.01	0.12	**0.21**	0.03	0.01	0.12	**0.21**
FAIRBAIRN AV	3.10	3.80	**1**	0.18	0.01	0.00	**0.20**	0.18	0.01	0.00	**0.20**	0.18	0.01	0.00	**0.20**
FAIRBAIRN AV	3.80	4.30	**2**	0.19	0.00	0.33	**0.86**	0.06	0.00	0.10	**0.21**	0.06	0.00	0.10	**0.21**
FAIRBAIRN AV	0.05	1.45	**2**	0.56	0.02	1.05	**3.05**	0.11	0.00	0.14	**0.48**	0.11	0.00	0.14	**0.48**
FAIRBAIRN AV	2.55	3.15	**0**	0.05	0.01	0.23	**0.54**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**
FAIRBAIRN AV	3.95	4.35	**4**	0.09	0.01	0.81	**1.73**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**
NORTHBOURNE AV	0.00	0.30	**13**	0.12	0.00	2.65	**5.98**	0.03	0.00	0.23	**0.53**	0.03	0.00	0.23	**0.53**
NORTHBOURNE AV	0.30	1.30	**13**	0.66	0.00	1.12	**6.06**	0.21	0.00	0.42	**1.51**	0.21	0.00	0.42	**1.51**
NORTHBOURNE AV	1.30	2.30	**4**	0.35	0.00	0.31	**1.10**	0.11	0.00	0.08	**0.25**	0.11	0.00	0.08	**0.25**
NORTHBOURNE AV	2.30	3.30	**8**	0.37	0.00	2.29	**3.89**	0.10	0.00	0.28	**0.61**	0.10	0.00	0.28	**0.61**
NORTHBOURNE AV	3.30	4.70	**6**	0.67	0.00	1.00	**2.62**	0.18	0.00	0.10	**0.44**	0.18	0.00	0.10	**0.44**
NORTHBOURNE AV	0.00	0.40	**5**	0.22	0.00	1.12	**3.83**	0.07	0.00	0.20	**0.88**	0.07	0.00	0.20	**0.88**
NORTHBOURNE AV	0.40	1.40	**12**	0.38	0.00	2.25	**5.51**	0.10	0.00	0.30	**0.97**	0.10	0.00	0.30	**0.97**
NORTHBOURNE AV	1.40	2.40	**10**	0.19	0.00	0.64	**3.56**	0.06	0.00	0.19	**0.69**	0.06	0.00	0.19	**0.69**
NORTHBOURNE AV	2.40	3.40	**7**	0.23	0.00	1.25	**2.43**	0.07	0.00	0.35	**0.57**	0.07	0.00	0.35	**0.57**
NORTHBOURNE AV	3.40	4.70	**13**	0.34	0.00	1.67	**2.88**	0.10	0.00	0.44	**0.67**	0.10	0.00	0.44	**0.67**
DRAKEFORD DR	0.00	5.90	**16**	3.22	0.05	5.70	**12.54**	0.03	0.00	0.66	**1.20**	0.03	0.00	0.66	**1.20**
DRAKEFORD DR	5.90	7.40	**6**	0.73	0.01	2.89	**7.47**	0.00	0.01	1.36	**2.30**	0.00	0.01	1.36	**2.30**
DRAKEFORD DR	7.40	9.00	**7**	1.11	0.00	2.92	**6.13**	0.00	0.00	0.41	**0.77**	0.00	0.00	0.41	**0.77**
DRAKEFORD DR	0.07	3.07	**8**	1.56	0.01	2.30	**5.52**	0.00	0.00	0.26	**0.49**	0.00	0.00	0.26	**0.49**
DRAKEFORD DR	3.07	6.17	**2**	0.95	0.02	2.07	**5.70**	0.00	0.00	0.01	**0.87**	0.00	0.00	0.01	**0.87**
DRAKEFORD DR	6.17	6.57	**4**	0.11	0.00	3.26	**3.76**	0.00	0.00	0.01	**0.18**	0.00	0.00	0.01	**0.18**
DRAKEFORD DR	6.57	8.17	**0**	0.58	0.00	0.54	**1.64**	0.00	0.00	0.00	**0.15**	0.00	0.00	0.00	**0.15**
DRAKEFORD DR	8.17	8.67	**5**	0.30	0.00	0.60	**2.50**	0.00	0.00	0.00	**0.63**	0.00	0.00	0.00	**0.63**
DRAKEFORD DR	8.67	9.07	**0**	0.14	0.00	0.44	**1.01**	0.00	0.00	0.00	**0.17**	0.00	0.00	0.00	**0.17**
JOHNSON DR	0.00	3.20	**5**	0.51	0.24	1.97	**3.87**	0.01	0.14	0.28	**0.77**	0.01	0.00	0.13	**0.23**
JOHNSON DR	3.20	3.40	**0**	0.13	0.02	0.24	**0.64**	0.00	0.00	0.04	**0.10**	0.00	0.00	0.04	**0.10**
JOHNSON DR	1.46	1.66	**2**	0.23	0.02	0.69	**1.16**	#N/A	#N/A	#N/A	**0.00**	#N/A	#N/A	#N/A	**0.00**
THARWA DR	0.80	3.30	**4**	0.43	0.51	1.66	**4.22**	0.28	0.00	0.12	**0.48**	0.28	0.00	0.12	**0.48**
THARWA DR	3.30	4.70	**4**	2.78	0.03	1.01	**4.83**	0.02	0.00	0.13	**0.31**	0.02	0.00	0.13	**0.31**
THARWA DR	4.70	5.20	**4**	0.30	0.02	0.71	**2.70**	0.11	0.02	0.22	**0.68**	0.11	0.02	0.22	**0.68**
THARWA DR	5.20	6.70	**5**	0.22	0.56	0.63	**2.88**	0.08	0.00	0.04	**0.15**	0.08	0.00	0.04	**0.15**
TUGGERANONG PWY	0.00	1.00	**8**	0.43	0.00	0.08	**0.81**	0.07	0.00	0.00	**0.15**	0.07	0.00	0.00	**0.15**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
TUGGERANONG PWY	1.00	4.00	**11**	1.05	0.00	0.00	**1.05**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**
TUGGERANONG PWY	4.00	7.00	**9**	1.76	0.00	0.11	**2.06**	0.05	0.00	0.01	**0.08**	0.05	0.00	0.01	**0.08**
TUGGERANONG PWY	7.00	10.20	**6**	2.96	0.00	0.11	**3.19**	0.04	0.00	0.01	**0.07**	0.04	0.00	0.01	**0.07**
TUGGERANONG PWY	10.20	10.70	**1**	0.45	0.00	0.51	**1.47**	0.07	0.00	0.08	**0.24**	0.07	0.00	0.08	**0.24**
TUGGERANONG PWY	0.04	1.14	**5**	0.41	0.00	0.07	**0.63**	0.06	0.00	0.01	**0.09**	0.06	0.00	0.01	**0.09**
TUGGERANONG PWY	1.14	4.14	**7**	0.86	0.00	0.12	**1.19**	0.06	0.00	0.01	**0.09**	0.06	0.00	0.01	**0.09**
TUGGERANONG PWY	4.14	7.14	**10**	2.19	0.00	0.08	**2.42**	0.05	0.00	0.01	**0.08**	0.05	0.00	0.01	**0.08**
TUGGERANONG PWY	7.14	10.74	**12**	3.46	0.01	1.13	**6.34**	0.05	0.00	0.12	**0.39**	0.05	0.00	0.12	**0.39**
WOODCOCK DR	0.00	0.40	**5**	0.56	0.01	1.71	**3.11**	0.00	0.00	0.26	**0.42**	0.00	0.00	0.26	**0.42**
WOODCOCK DR	0.40	1.40	**0**	0.31	0.10	0.81	**1.68**	0.28	0.06	0.14	**0.63**	0.28	0.06	0.14	**0.63**
WOODCOCK DR	1.40	3.20	**1**	1.04	0.23	1.70	**5.28**	0.05	0.01	0.25	**0.74**	0.05	0.00	0.25	**0.70**
WOODCOCK DR	0.01	0.51	**0**	0.31	0.02	0.45	**1.26**	0.06	0.00	0.07	**0.21**	0.06	0.00	0.07	**0.21**
WOODCOCK DR	1.61	2.31	**2**	0.35	0.09	1.18	**2.21**	0.06	0.00	0.15	**0.32**	0.06	0.00	0.15	**0.32**
WOODCOCK DR	2.31	3.31	**1**	0.29	0.02	0.82	**1.82**	0.09	0.03	0.26	**0.50**	0.09	0.03	0.26	**0.50**
COTTER RD	9.80	12.10	**4**	0.14	0.01	0.34	**0.62**	0.16	0.01	0.04	**0.25**	0.16	0.01	0.04	**0.25**
COTTER RD	12.10	17.00	**9**	0.90	0.01	1.97	**4.85**	0.03	0.00	0.20	**0.49**	0.03	0.00	0.20	**0.49**
COTTER RD	0.77	5.67	**14**	0.82	0.01	3.13	**6.30**	0.00	0.00	0.42	**0.81**	0.00	0.00	0.33	**0.64**
KAMBAH POOL RD	5.61	10.31	**2**	0.15	0.02	0.07	**0.28**	0.07	0.01	0.00	**0.17**	0.07	0.01	0.00	**0.17**
NAMATJIRA DR	0.00	1.00	**5**	0.52	0.05	0.64	**1.38**	0.23	0.03	0.02	**0.78**	0.23	0.03	0.02	**0.78**
NAMATJIRA DR	1.00	2.00	**6**	0.40	0.05	0.66	**1.46**	0.40	0.05	0.66	**1.46**	0.40	0.05	0.66	**1.46**
NAMATJIRA DR	2.00	3.80	**3**	0.62	0.11	0.28	**1.36**	0.62	0.11	0.28	**1.36**	0.62	0.11	0.28	**1.36**
NAMATJIRA DR	3.80	4.70	**1**	0.12	0.12	0.35	**1.09**	0.21	0.07	0.00	**1.05**	0.21	0.07	0.00	**1.05**
STREETON DR	0.00	1.00	**3**	0.40	0.00	2.95	**4.92**	0.13	0.00	1.46	**1.95**	0.13	0.00	1.46	**1.95**
STREETON DR	1.00	1.40	**1**	0.18	0.00	0.52	**0.96**	0.03	0.00	0.06	**0.13**	0.03	0.00	0.06	**0.13**
STREETON DR	1.40	2.00	**3**	0.37	0.00	2.56	**3.70**	0.12	0.00	1.43	**1.75**	0.12	0.00	1.43	**1.75**
STREETON DR	2.00	3.00	**0**	0.31	0.03	0.08	**0.48**	0.31	0.03	0.08	**0.48**	0.31	0.03	0.08	**0.48**
STREETON DR	3.00	4.30	**0**	0.66	0.06	0.10	**0.92**	0.66	0.06	0.10	**0.92**	0.66	0.06	0.10	**0.92**
STREETON DR	0.07	1.17	**1**	0.78	0.00	1.63	**3.55**	0.00	0.00	0.26	**0.48**	0.00	0.00	0.26	**0.48**
STREETON DR	1.17	1.87	**0**	0.25	0.00	0.74	**1.42**	0.07	0.00	0.27	**0.42**	0.07	0.00	0.27	**0.42**
STREETON DR	1.87	2.07	**2**	0.24	0.00	2.10	**2.65**	0.09	0.00	1.42	**1.62**	0.09	0.00	1.42	**1.62**
ATHLLON DR	0.00	1.00	**7**	1.24	0.01	1.41	**4.57**	0.45	0.01	0.43	**1.26**	0.45	0.01	0.43	**1.26**
ATHLLON DR	1.00	2.50	**1**	0.65	0.01	1.16	**3.45**	0.21	0.01	0.36	**0.90**	0.21	0.01	0.36	**0.90**
ATHLLON DR	2.50	2.70	**0**	0.05	0.02	0.00	**0.13**	0.01	0.02	0.00	**0.05**	0.01	0.02	0.00	**0.05**
ATHLLON DR	2.70	4.60	**6**	0.91	0.16	3.89	**8.68**	0.01	0.15	1.53	**2.68**	0.01	0.00	1.53	**2.45**
ATHLLON DR	4.60	5.00	**2**	0.04	0.05	0.00	**0.30**	0.02	0.03	0.00	**0.11**	0.02	0.02	0.00	**0.10**
ATHLLON DR	5.00	5.70	**4**	0.42	0.08	3.06	**4.42**	0.07	0.00	0.56	**0.83**	0.07	0.00	0.56	**0.83**
ATHLLON DR	5.70	6.90	**4**	0.27	0.27	0.75	**1.92**	0.25	0.16	0.10	**0.70**	0.11	0.00	0.05	**0.17**
ATHLLON DR	6.90	9.20	**9**	2.14	0.17	4.17	**10.42**	0.01	0.16	1.40	**2.44**	0.01	0.00	1.40	**2.16**
ATHLLON DR	9.20	9.40	**0**	0.16	0.02	0.36	**0.92**	0.00	0.02	0.23	**0.43**	0.00	0.02	0.23	**0.43**
ATHLLON DR	9.40	10.00	**0**	0.52	0.15	0.00	**0.80**	0.13	0.15	0.00	**0.42**	0.02	0.00	0.00	**0.02**
ATHLLON DR	10.00	11.00	**2**	0.53	0.08	1.21	**3.15**	0.17	0.09	0.48	**1.10**	0.17	0.08	0.48	**1.09**
ATHLLON DR	0.04	2.74	**11**	1.97	0.01	4.50	**10.53**	0.70	0.02	1.45	**2.99**	0.70	0.02	1.45	**2.99**
ATHLLON DR	2.74	4.64	**5**	0.67	0.16	3.24	**7.31**	0.01	0.15	1.14	**2.05**	0.01	0.00	1.14	**1.81**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI
ATHLLON DR	5.04	5.74	**1**	0.36	0.02	1.41	**2.71**	0.10	0.02	0.56	**0.93**	0.10	0.02	0.56	**0.93**
ATHLLON DR	6.94	9.54	**5**	3.37	0.18	3.17	**11.39**	0.01	0.17	1.26	**2.70**	0.01	0.00	1.26	**2.45**
ATHLLON DR	10.04	11.04	**5**	0.24	0.06	0.87	**4.03**	0.07	0.07	0.28	**1.06**	0.07	0.07	0.28	**1.06**
ERINDALE DR	0.00	3.40	**10**	1.29	0.01	1.49	**3.23**	0.00	0.01	0.37	**0.44**	0.00	0.01	0.37	**0.44**
ERINDALE DR	3.40	6.00	**8**	0.22	0.07	0.60	**1.24**	0.20	0.04	0.07	**0.41**	0.20	0.04	0.07	**0.41**
ERINDALE DR	6.00	6.20	**0**	0.02	0.00	0.15	**0.32**	0.00	0.00	0.02	**0.05**	0.00	0.00	0.02	**0.05**
ERINDALE DR	0.03	3.43	**14**	2.19	0.08	1.67	**5.75**	0.00	0.00	0.17	**0.40**	0.00	0.00	0.17	**0.40**
EUCUMBENE DR	16.00	17.30	**0**	0.35	0.01	0.02	**0.39**	0.35	0.01	0.02	**0.39**	0.35	0.01	0.02	**0.39**
EUCUMBENE DR	17.30	18.10	**1**	0.23	0.01	0.06	**0.33**	0.23	0.01	0.06	**0.33**	0.23	0.01	0.06	**0.33**
HINDMARSH DR	0.00	3.00	**10**	1.94	0.06	3.60	**8.55**	0.01	0.00	0.47	**0.96**	0.01	0.00	0.47	**0.96**
HINDMARSH DR	3.00	8.40	**11**	2.46	0.13	3.91	**10.84**	0.01	0.01	0.47	**1.12**	0.01	0.01	0.47	**1.12**
HINDMARSH DR	8.40	9.00	**2**	0.10	0.00	1.53	**2.03**	0.02	0.00	0.54	**0.64**	0.02	0.00	0.54	**0.64**
HINDMARSH DR	9.00	12.60	**24**	2.32	0.06	8.07	**18.52**	0.00	0.00	1.24	**2.76**	0.00	0.00	1.24	**2.76**
HINDMARSH DR	12.60	14.50	**7**	0.30	0.07	2.60	**3.54**	0.25	0.04	0.41	**0.88**	0.25	0.04	0.41	**0.88**
HINDMARSH DR	0.09	3.09	**9**	1.41	0.03	3.64	**8.70**	0.00	0.00	0.48	**1.07**	0.00	0.00	0.48	**1.07**
HINDMARSH DR	3.09	6.09	**13**	1.36	0.04	0.52	**3.11**	0.01	0.00	0.05	**0.20**	0.01	0.00	0.05	**0.20**
HINDMARSH DR	6.09	9.09	**10**	1.18	0.05	3.87	**8.63**	0.00	0.00	0.53	**1.12**	0.00	0.00	0.53	**1.12**
HINDMARSH DR	9.09	12.59	**28**	1.73	0.04	9.49	**17.06**	0.00	0.00	1.30	**2.28**	0.00	0.00	1.30	**2.28**
ISABELLA DR	0.00	2.20	**8**	1.35	0.06	3.33	**7.99**	0.37	0.06	1.07	**2.16**	0.37	0.06	1.07	**2.16**
ISABELLA DR	2.20	3.10	**6**	0.21	0.28	0.00	**1.43**	0.20	0.16	0.00	**0.63**	0.15	0.00	0.00	**0.15**
ISABELLA DR	3.10	3.50	**0**	0.30	0.02	0.24	**0.83**	0.09	0.02	0.07	**0.22**	0.09	0.02	0.07	**0.22**
ISABELLA DR	3.50	6.50	**6**	0.50	0.74	1.46	**4.77**	0.47	0.43	0.21	**1.74**	0.27	0.00	0.10	**0.45**
ISABELLA DR	6.50	6.70	**0**	0.26	0.02	0.00	**0.33**	0.10	0.01	0.00	**0.13**	0.10	0.01	0.00	**0.13**
ISABELLA DR	0.04	2.34	**8**	2.17	0.15	3.36	**7.48**	0.68	0.14	0.98	**2.12**	0.40	0.00	0.98	**1.64**
ISABELLA DR	3.24	3.84	**3**	0.88	0.09	0.28	**1.99**	0.28	0.08	0.08	**0.57**	0.28	0.08	0.08	**0.57**
ISABELLA DR	5.74	6.04	**0**	0.30	0.09	0.22	**0.99**	0.11	0.09	0.07	**0.35**	0.11	0.09	0.07	**0.35**
ISABELLA DR	6.64	6.94	**2**	0.19	0.01	0.82	**1.90**	0.05	0.01	0.30	**0.58**	0.05	0.01	0.30	**0.58**
LONG GULLY RD	0.00	2.20	**2**	0.53	0.15	0.61	**1.81**	0.00	0.09	0.08	**0.32**	#N/A	#N/A	0.08	**0.08**
MUGGA LA	0.00	0.30	**3**	0.20	0.00	0.86	**1.59**	0.04	0.00	0.11	**0.23**	0.04	0.00	0.11	**0.23**
MUGGA LA	0.30	2.00	**7**	0.20	0.06	0.50	**1.02**	0.19	0.03	0.06	**0.36**	0.19	0.03	0.06	**0.36**
MUGGA LA	2.00	7.50	**3**	0.50	0.11	0.32	**1.26**	0.66	0.04	0.08	**1.08**	0.66	0.04	0.08	**1.08**
MUGGA LA	0.02	0.42	**0**	0.32	0.00	0.35	**1.02**	0.06	0.00	0.05	**0.17**	0.06	0.00	0.05	**0.17**
SOWARD WY	7.72	9.12	**2**	0.19	0.01	0.10	**0.34**	0.04	0.00	0.08	**0.22**	0.04	0.00	0.08	**0.22**
SULWOOD DR	8.08	13.18	**13**	0.82	0.50	4.11	**7.19**	0.01	0.25	1.09	**2.84**	0.01	0.00	0.56	**1.00**
SULWOOD DR	13.18	13.68	**0**	0.35	0.10	0.86	**2.19**	0.06	0.01	0.27	**0.65**	0.06	0.01	0.27	**0.65**
SULWOOD DR	13.68	14.18	**1**	0.17	0.08	0.56	**1.48**	0.26	0.04	0.21	**1.10**	0.26	0.04	0.21	**1.10**
SULWOOD DR	0.42	0.92	**4**	0.46	0.03	0.62	**4.01**	0.10	0.00	0.12	**0.87**	0.10	0.00	0.12	**0.87**
TAVERNER ST	11.64	13.04	**9**	1.48	0.07	2.59	**5.06**	0.03	0.00	0.31	**0.48**	0.03	0.00	0.31	**0.48**
TAVERNER ST	0.07	1.57	**1**	1.23	0.07	1.16	**3.72**	0.00	0.00	0.15	**0.37**	0.00	0.00	0.15	**0.37**
YAMBA DR	0.00	1.40	**1**	1.04	0.08	0.93	**3.07**	0.00	0.00	0.12	**0.28**	0.00	0.00	0.12	**0.28**
YAMBA DR	1.40	2.30	**4**	0.34	0.01	1.80	**2.77**	0.06	0.01	0.63	**0.81**	0.06	0.01	0.63	**0.81**
YAMBA DR	2.30	6.30	**19**	2.85	0.01	6.15	**15.06**	0.00	0.00	0.81	**1.80**	0.00	0.00	0.81	**1.80**
YAMBA DR	0.02	1.42	**1**	0.70	0.03	2.15	**4.16**	0.00	0.01	0.15	**0.25**	0.00	0.01	0.15	**0.25**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
YAMBA DR	1.42	2.22	**4**	0.33	0.01	0.81	**2.78**	0.09	0.01	0.29	**0.69**	0.09	0.01	0.29	**0.69**
YAMBA DR	2.22	6.22	**9**	3.29	0.03	4.56	**12.05**	0.01	0.00	0.61	**1.30**	0.01	0.00	0.61	**1.30**
YAMBMELRRA	1.01	1.21	**4**	1.71	0.00	0.41	**2.52**	0.70	0.00	0.05	**0.81**	0.70	0.00	0.05	**0.81**
YARRYAMBRA	0.01	0.31	**3**	0.46	0.00	0.14	**1.35**	0.15	0.00	0.02	**0.27**	0.15	0.00	0.02	**0.27**
ADELAIDE AV	0.00	2.70	**6**	1.98	0.49	0.35	**6.56**	0.02	0.47	0.09	**1.15**	0.02	0.00	0.09	**0.24**
ADELAIDE AV	0.01	2.71	**6**	3.47	0.34	1.37	**9.40**	0.01	0.32	0.38	**1.53**	0.01	0.00	0.38	**0.96**
ADELWCOTTWRM RAMP	0.00	0.80	**1**	1.16	0.00	0.05	**1.29**	0.04	0.00	0.01	**0.06**	0.04	0.00	0.01	**0.06**
BOWEN DR	3.08	4.08	**4**	0.83	0.09	0.88	**3.32**	0.32	0.11	0.24	**0.96**	0.32	0.11	0.24	**0.96**
BOWEN DR	3.20	4.10	**2**	1.05	0.00	0.11	**1.37**	0.40	0.00	0.03	**0.45**	0.40	0.00	0.03	**0.45**
BRISBANE AV	0.00	1.20	**8**	1.00	0.00	4.42	**6.84**	0.35	0.00	1.57	**2.27**	0.35	0.00	1.57	**2.27**
BRISBANE AV	0.09	1.19	**5**	0.76	0.00	3.97	**7.08**	0.28	0.00	1.70	**2.74**	0.28	0.00	1.70	**2.74**
CANBENORSNRM RD	0.00	0.50	**0**	0.33	0.02	0.00	**0.41**	0.12	0.02	0.00	**0.15**	0.12	0.02	0.00	**0.15**
CANBERRA AV	3.68	3.98	**0**	0.21	0.04	0.25	**0.82**	0.08	0.04	0.08	**0.27**	0.08	0.04	0.08	**0.27**
CANBERRA AV	3.98	4.98	**4**	0.89	0.00	3.09	**5.32**	0.31	0.00	1.30	**1.99**	0.31	0.00	1.30	**1.99**
CANBERRA AV	4.98	6.28	**6**	0.69	0.00	3.12	**6.99**	0.23	0.00	1.41	**2.60**	0.23	0.00	1.41	**2.60**
CANBERRA AV	6.28	6.48	**0**	0.08	0.00	0.17	**0.42**	0.02	0.00	0.05	**0.11**	0.02	0.00	0.05	**0.11**
CANBERRA AV	6.48	9.48	**18**	3.24	0.11	8.00	**18.02**	0.01	0.10	3.17	**5.00**	0.01	0.10	3.17	**5.00**
CANBERRA AV	9.48	12.48	**3**	2.21	0.01	2.43	**7.93**	0.01	0.00	0.23	**0.47**	0.01	0.00	0.23	**0.47**
CANBERRA AV	0.06	0.56	**1**	1.03	0.01	0.72	**2.50**	0.13	0.01	0.33	**0.70**	0.13	0.01	0.33	**0.70**
CANBERRA AV	0.56	1.56	**19**	0.65	0.01	11.07	**14.99**	0.23	0.01	4.78	**5.96**	0.23	0.01	4.78	**5.96**
CANBERRA AV	1.56	3.06	**11**	1.59	0.01	6.57	**10.34**	0.55	0.01	2.96	**4.17**	0.55	0.01	2.96	**4.17**
CANBERRA AV	3.06	3.76	**2**	0.58	0.03	1.57	**3.81**	0.05	0.01	0.41	**0.97**	0.05	0.01	0.41	**0.97**
CANBERRA AV	3.76	4.46	**1**	0.49	0.00	0.76	**2.54**	0.13	0.00	0.28	**0.71**	0.13	0.00	0.28	**0.71**
CANBERRA AV	4.46	5.56	**1**	0.71	0.04	1.84	**3.96**	0.00	0.05	0.72	**1.12**	0.00	0.05	0.72	**1.12**
CANBERRA AV	5.56	8.26	**4**	2.03	0.00	2.26	**7.80**	0.01	0.00	0.73	**1.43**	0.01	0.00	0.73	**1.43**
CANBERRA AV	8.26	8.96	**0**	0.52	0.00	0.47	**1.47**	0.00	0.00	0.14	**0.23**	0.00	0.00	0.14	**0.23**
COTTEADELERM RAMP	0.00	0.60	**1**	0.65	0.01	0.56	**2.30**	0.00	0.01	0.19	**0.44**	0.00	0.01	0.19	**0.44**
IPSWICH ST	0.00	0.40	**1**	0.17	0.01	0.08	**0.38**	0.17	0.01	0.08	**0.38**	0.17	0.01	0.08	**0.38**
IPSWICH ST	0.40	1.10	**2**	0.14	0.01	1.13	**1.06**	0.04	0.02	0.56	**0.70**	0.04	0.02	0.56	**0.70**
IPSWICH ST	0.10	0.70	**1**	0.13	0.01	1.57	**2.31**	0.13	0.00	0.23	**0.44**	0.13	0.00	0.23	**0.44**
MANUKA CIR	0.00	0.30	**4**	0.19	0.01	0.82	**1.09**	0.08	0.03	1.74	**1.97**	0.08	0.03	1.74	**1.97**
MANUKA CIR	0.30	0.70	**3**	0.10	0.00	2.50	**2.93**	0.03	0.00	1.14	**1.23**	0.03	0.00	1.14	**1.23**
MANUKA CIR	0.70	1.00	**4**	0.18	0.01	0.68	**0.94**	0.07	0.02	1.52	**1.72**	0.07	0.02	1.52	**1.72**
MANUKA CIR	0.22	0.62	**4**	0.13	0.00	2.80	**3.79**	0.04	0.00	1.45	**1.67**	0.04	0.00	1.45	**1.67**
MONANMORSWRM RAMP	0.00	0.80	**0**	0.32	0.00	0.24	**0.79**	0.08	0.00	0.08	**0.18**	0.08	0.00	0.08	**0.18**
MONANMORSWRM RAMP	0.04	0.84	**4**	0.68	0.01	1.95	**3.36**	0.03	0.00	0.83	**0.98**	0.03	0.00	0.83	**0.98**
MORSHEAD DR	0.00	0.70	**1**	0.49	0.04	0.31	**1.20**	0.10	0.00	0.03	**0.19**	0.10	0.00	0.03	**0.19**
MORSHEAD DR	0.70	2.80	**3**	1.65	0.10	0.61	**3.32**	0.01	0.01	0.06	**0.20**	0.01	0.01	0.06	**0.20**
MORSHEAD DR	0.05	0.55	**5**	0.47	0.04	0.74	**2.44**	0.10	0.00	0.10	**0.41**	0.10	0.00	0.10	**0.41**
MORSHEAD DR	0.55	2.85	**10**	3.00	0.22	0.88	**6.18**	0.01	0.01	0.10	**0.39**	0.01	0.00	0.10	**0.31**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
Eyre St	0.00	0.40	**0**	0.01	0.00	0.07	**0.12**	0.02	0.00	0.01	**0.04**	0.02	0.00	0.01	**0.04**
NEWCASTLE ST	0.00	0.20	**0**	0.08	0.01	0.03	**0.14**	0.08	0.01	0.03	**0.14**	0.08	0.01	0.03	**0.14**
NEWCASTLE ST	0.20	1.70	**5**	0.28	0.01	2.61	**3.72**	0.08	0.01	0.88	**1.10**	0.08	0.01	0.88	**1.10**
NEWCASTLE ST	1.70	1.90	**5**	0.11	0.01	0.02	**0.30**	0.11	0.01	0.02	**0.30**	0.11	0.01	0.02	**0.30**
NEWCASTLE ST	1.90	2.80	**4**	0.19	0.00	2.14	**3.44**	0.06	0.01	0.84	**1.09**	0.06	0.01	0.84	**1.09**
NEWCASTLE ST	0.36	1.66	**3**	0.53	0.01	1.15	**2.24**	0.16	0.02	0.38	**0.64**	0.16	0.02	0.38	**0.64**
NEWCASTLE ST	1.86	2.86	**3**	0.27	0.01	2.32	**3.53**	0.08	0.01	0.92	**1.18**	0.08	0.01	0.92	**1.18**
NORSE RD	0.00	0.60	**2**	0.26	0.02	0.14	**0.64**	0.26	0.02	0.14	**0.64**	0.26	0.02	0.14	**0.64**
OAKS ESTATE RD	0.00	0.80	**1**	0.33	0.02	0.05	**0.48**	0.33	0.02	0.05	**0.48**	0.33	0.02	0.05	**0.48**
OAKS ESTATE RD	0.80	1.80	**10**	0.09	0.01	0.49	**0.64**	0.09	0.00	0.06	**0.16**	0.09	0.00	0.06	**0.16**
PIALLIGO AV	1.32	3.22	**4**	0.62	0.01	1.16	**3.39**	0.20	0.01	0.32	**0.79**	0.20	0.01	0.32	**0.79**
PIALLIGO AV	3.22	4.12	**1**	0.97	0.29	0.07	**1.61**	0.97	0.29	0.07	**1.61**	0.97	0.29	0.07	**1.61**
PIALLIGO AV	4.12	4.42	**0**	0.07	0.10	0.00	**0.25**	0.07	0.10	0.00	**0.25**	0.07	0.10	0.00	**0.25**
PIALLIGO AV	4.42	5.22	**2**	0.31	0.09	0.44	**1.83**	0.09	0.10	0.12	**0.49**	0.09	0.10	0.12	**0.49**
PIALLIGO AV	5.22	7.52	**6**	0.30	1.05	2.58	**6.26**	0.28	0.63	0.55	**2.33**	#N/A	#N/A	0.02	**0.02**
PIALLIGO AV	7.52	9.52	**5**	0.30	0.33	3.23	**5.39**	0.28	0.20	0.62	**1.63**	#N/A	#N/A	0.38	**0.38**
PIALLIGO AV	3.27	4.07	**0**	0.48	0.10	0.90	**2.42**	0.11	0.01	0.15	**0.47**	0.11	0.01	0.15	**0.47**
PIALLIGO AV	4.07	5.37	**4**	0.45	0.00	0.40	**1.38**	0.14	0.00	0.10	**0.32**	0.14	0.00	0.10	**0.32**
PIALLIGO AV	6.57	7.27	**1**	0.25	0.17	0.43	**1.83**	0.05	0.01	0.05	**0.27**	0.05	0.01	0.05	**0.24**
SYDNEY AV	0.00	0.60	**1**	0.02	0.00	0.93	**1.02**	0.01	0.00	0.31	**0.32**	0.01	0.00	0.31	**0.32**
SYDNEY AV	0.02	0.62	**3**	0.04	0.00	1.35	**1.43**	0.01	0.00	0.41	**0.42**	0.01	0.00	0.41	**0.42**
WENTWORTH AV	0.00	1.80	**16**	0.36	0.00	7.27	**10.25**	0.11	0.00	2.94	**3.50**	0.11	0.00	2.94	**3.50**
WENTWORTH AV	0.01	1.71	**10**	0.50	0.00	5.41	**6.84**	0.15	0.00	2.03	**2.33**	0.15	0.00	2.03	**2.33**
ASHLEY DR	0.00	3.60	**17**	0.73	0.01	1.61	**3.50**	0.13	0.00	0.16	**0.44**	0.13	0.00	0.16	**0.44**
ASHLEY DR	0.07	0.57	**1**	0.13	0.01	1.21	**1.66**	0.04	0.01	0.50	**0.60**	0.04	0.01	0.50	**0.60**
ASHLEY DR	0.57	0.87	**2**	0.30	0.00	0.17	**0.54**	0.06	0.00	0.02	**0.09**	0.06	0.00	0.02	**0.09**
ASHLEY DR	0.87	1.27	**1**	0.04	0.00	0.33	**0.53**	0.01	0.00	0.04	**0.06**	0.01	0.00	0.04	**0.06**
ASHLEY DR	1.27	1.47	**1**	0.03	0.00	0.25	**0.36**	0.01	0.00	0.03	**0.04**	0.01	0.00	0.03	**0.04**
ASHLEY DR	1.47	3.67	**7**	0.39	0.01	0.70	**1.54**	0.07	0.00	0.07	**0.19**	0.07	0.00	0.07	**0.19**
GREENHILLS DR	0.00	0.30	**0**	0.01	0.00	0.05	**0.12**	0.00	0.00	0.01	**0.01**	0.00	0.00	0.01	**0.01**
HUME PL	1.70	2.00	**5**	0.09	0.00	0.00	**0.09**	0.02	0.00	0.00	**0.02**	0.02	0.00	0.00	**0.02**
JERRABOMBERRA AV	0.00	2.00	**6**	0.10	0.00	3.47	**3.82**	0.03	0.00	1.17	**1.23**	0.03	0.00	1.17	**1.23**
JERRABOMBERRA AV	2.87	3.77	**0**	0.04	0.00	0.61	**0.73**	0.01	0.00	0.18	**0.21**	0.01	0.00	0.18	**0.21**
JERRABOMBERRA AV	3.77	4.87	**1**	0.04	0.00	0.25	**0.65**	0.01	0.00	0.02	**0.08**	0.01	0.00	0.02	**0.08**
LADY DENMAN DR	0.00	0.20	**0**	0.12	0.00	0.13	**0.38**	0.03	0.00	0.02	**0.06**	0.03	0.00	0.02	**0.06**
LADY DENMAN DR	0.20	3.20	**6**	0.35	0.10	0.28	**0.99**	0.43	0.03	0.07	**0.78**	0.43	0.03	0.07	**0.78**
LADY DENMAN DR	3.20	6.50	**3**	0.32	0.08	0.82	**1.71**	0.37	0.06	0.11	**0.68**	0.37	0.06	0.11	**0.68**
LANYON DR	0.00	1.60	**1**	0.43	0.01	0.46	**1.39**	0.07	0.00	0.05	**0.17**	0.07	0.00	0.05	**0.17**
LANYON DR	0.09	1.69	**16**	0.09	0.00	0.33	**0.53**	0.10	0.00	0.04	**0.17**	0.10	0.00	0.04	**0.17**
LAUNCESTON ST	0.00	0.40	**5**	0.11	0.01	3.02	**4.00**	0.03	0.01	1.32	**1.55**	0.03	0.01	1.32	**1.55**
LAUNCESTON ST	0.40	1.50	**0**	0.43	0.03	0.27	**0.92**	0.43	0.03	0.27	**0.92**	0.43	0.03	0.27	**0.92**
LAUNCESTON ST	1.50	2.50	**3**	0.53	0.01	1.93	**3.41**	0.17	0.01	0.82	**1.20**	0.17	0.01	0.82	**1.20**
LAUNCESTON ST	0.16	1.16	**9**	0.56	0.01	5.77	**8.60**	0.18	0.01	2.88	**3.63**	0.18	0.01	2.88	**3.63**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
MELROSE DR	0.00	2.90	**11**	1.48	0.09	4.28	**10.05**	0.49	0.10	1.44	**2.84**	0.49	0.10	1.44	**2.84**
MELROSE DR	0.03	1.03	**6**	0.42	0.01	1.23	**2.71**	0.14	0.01	0.37	**0.69**	0.14	0.01	0.37	**0.69**
MELROSE DR	1.03	2.93	**9**	1.03	0.02	5.08	**9.17**	0.34	0.02	2.03	**3.09**	0.34	0.02	2.03	**3.09**
PARKES WY	0.00	3.50	**10**	1.26	0.00	0.00	**1.70**	0.14	0.00	0.00	**0.58**	0.14	0.00	0.00	**0.58**
PARKES WY	3.50	4.50	**1**	2.16	0.00	0.54	**3.69**	0.01	0.00	0.15	**0.38**	0.01	0.00	0.15	**0.38**
PARKES WY	4.50	6.00	**9**	3.12	0.07	1.11	**7.17**	0.02	0.09	0.30	**0.97**	0.02	0.09	0.30	**0.97**
PARKES WY	0.09	5.99	**19**	3.28	0.01	0.01	**4.37**	0.19	0.00	0.01	**1.26**	0.19	0.00	0.01	**1.26**
STURT AV	0.00	1.30	**5**	0.15	0.00	0.95	**1.51**	0.03	0.00	0.10	**0.18**	0.03	0.00	0.10	**0.18**
STURT AV	0.08	1.28	**2**	0.07	0.00	1.68	**2.07**	0.02	0.00	0.04	**0.10**	0.02	0.00	0.04	**0.10**
YARRA GLEN	0.00	2.50	**4**	2.29	0.10	0.18	**3.48**	0.01	0.02	0.03	**0.18**	0.01	0.02	0.03	**0.18**
YARRA GLEN	0.02	2.62	**0**	1.92	0.06	0.68	**3.81**	0.00	0.01	0.07	**0.15**	0.00	0.01	0.07	**0.15**
BARTNGUNGERM RAMP	4.37	4.77	**0**	0.32	0.00	0.04	**0.41**	0.08	0.00	0.00	**0.09**	0.08	0.00	0.00	**0.09**
BANDNGUNGNBELCWRM RAMP	1.20	1.40	**0**	0.03	0.00	0.01	**0.06**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
BANDNGUNGNRM RAMP	3.07	3.27	**0**	0.01	0.00	0.01	**0.03**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
BARTSGUNGERM RAMP	1.40	1.70	**0**	0.13	0.00	0.04	**0.21**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.03**
BARTSGUNGWRM RAMP	3.19	3.79	**0**	0.42	0.00	0.06	**0.54**	0.08	0.00	0.01	**0.09**	0.08	0.00	0.01	**0.09**
BELCEGUNGNRM RAMP	0.00	0.50	**0**	0.22	0.00	0.54	**1.29**	0.04	0.00	0.09	**0.23**	0.04	0.00	0.09	**0.23**
BELCWGUNGS RAMP	0.00	1.00	**1**	0.18	0.01	0.81	**2.17**	0.03	0.00	0.11	**0.34**	0.03	0.00	0.11	**0.34**
BELCWGUNGSRM OFF RM RAMP	0.00	0.20	**0**	0.02	0.00	0.01	**0.04**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
GINNEGUNGNRM RAMP	0.50	0.90	**0**	0.16	0.00	0.06	**0.28**	0.03	0.00	0.01	**0.04**	0.03	0.00	0.01	**0.04**
GINNWGUNGSRM RAMP.	5.51	6.01	**2**	0.30	0.00	0.12	**0.48**	0.05	0.00	0.01	**0.07**	0.05	0.00	0.01	**0.07**
GUNGNBELCWRM RAMP	0.00	0.90	**0**	0.16	0.00	0.25	**0.65**	0.03	0.00	0.03	**0.09**	0.03	0.00	0.03	**0.09**
GUNGNGINNWRM RAMP	0.00	0.50	**0**	0.22	0.00	0.26	**0.74**	0.04	0.00	0.03	**0.10**	0.04	0.00	0.03	**0.10**
GUNGSBELCERM RAMP	7.69	8.29	**0**	0.38	0.00	0.46	**1.30**	0.07	0.00	0.06	**0.20**	0.07	0.00	0.06	**0.20**
GUNGSBELCWGUNGSRM RAMP	0.00	0.40	**0**	0.06	0.00	0.01	**0.08**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
GUNGSGINNERM RAMP	5.01	5.51	**0**	0.31	0.00	0.25	**0.80**	0.06	0.00	0.03	**0.12**	0.06	0.00	0.03	**0.12**
GUNGEBARTNRM RAMP	2.33	2.93	**0**	0.37	0.00	0.43	**1.23**	0.07	0.00	0.06	**0.19**	0.07	0.00	0.06	**0.19**
GUNGEBARTSRM RAMP	0.00	0.30	**0**	0.19	0.00	0.00	**0.19**	0.04	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter.	Total ANRAMFSI	Run-off-road	Head-on	Inter	Total ANRAMFSI	Run-off-road	Head-on	Inter	Total ANRAMFSI
GUNGWBARTSRM RAMP	3.81	4.21	**0**	0.30	0.00	0.39	**1.07**	0.07	0.00	0.03	**0.12**	0.07	0.00	0.03	**0.12**
MELRYARRRA	0.51	0.71	**0**	0.17	0.00	0.00	**0.17**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**
VERNON CIR	4.01	4.41	**1**	0.11	0.00	0.00	**0.11**	0.04	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**
VERNON CIR	0.00	0.40	**1**	0.28	0.00	0.10	**0.42**	0.09	0.00	0.00	**0.10**	0.09	0.00	0.00	**0.10**
WAKEFIELD AV	0.00	0.20	**1**	0.01	0.00	0.01	**0.02**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
WAKEFIELD AV	0.59	0.89	**0**	0.01	0.00	0.02	**0.03**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
WAKEFIELD AV	1.13	1.53	**2**	0.02	0.00	0.04	**0.06**	0.00	0.00	0.03	**0.05**	0.00	0.00	0.03	**0.05**
WAKEFIELD AV	1.53	1.73	**0**	0.00	0.00	0.30	**0.38**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**
Glenloch Interchange North East	1.20	2.80	**4**	1.26	0.00	0.09	**1.46**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**
Glenloch Interchange south	1.30	2.80	**2**	0.25	0.00	0.09	**0.46**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**
Glenloch Interchange North loop	0.60	2.00	**1**	1.09	0.00	0.07	**1.23**	0.01	0.00	0.01	**0.02**	0.01	0.00	0.01	**0.02**
Glenloch Interchange West	0.00	1.80	**2**	1.17	0.00	0.06	**1.30**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**
Glenloch Interchange South West	0.00	1.20	**1**	0.49	0.00	0.06	**0.64**	0.08	0.00	0.01	**0.10**	0.08	0.00	0.01	**0.10**
Glenloch Interchange North	0.00	1.10	**0**	0.53	0.00	0.06	**0.66**	0.00	0.00	0.01	**0.02**	0.00	0.00	0.01	**0.02**
Glenloch Interchange South East	0.00	1.80	**3**	0.79	0.00	0.17	**1.23**	0.01	0.00	0.02	**0.06**	0.01	0.00	0.02	**0.06**
Glenloch Interchange North West	0.00	1.00	**1**	0.47	0.00	0.06	**0.59**	0.07	0.00	0.01	**0.09**	0.07	0.00	0.01	**0.09**
Glenloch Interchange South West loop	0.00	0.60	**2**	0.65	0.00	0.08	**0.81**	0.01	0.00	0.01	**0.03**	0.01	0.00	0.01	**0.03**
Glenloch Interchange South link	0.00	0.60	**0**	0.29	0.00	0.00	**0.29**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**

Appendix K ANRAM FSI Crash Assessment Rural Roads – Tabulated results

K1 BASELINE, LOWER SPEED LIMIT, ATLM AND INTERSECTIONS ANRAM FSI CRASHES

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter-	Total ANRAM FSI	Run-off-road	Head-on	Inte	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI
PARKWOOD RD	542	0.00	0	2	0.16	0.05	**0.17**	0.18	0.03	0.03	**0.29**	0.18	0.03	0.03	**0.29**	0.18	0.03	0.03	**0.29**
WALLAROO RD	643	0.00	0	1	0.12	0.01	**0.07**	0.09	0.01	0.01	**0.13**	0.11	0.01	0.02	**0.16**	0.13	0.01	0.02	**0.19**
MAJURA RD	438	0.00	0	2	0.27	0.11	**0.52**	0.05	0.01	0.04	**0.17**	0.05	0.01	0.04	**0.17**	0.05	0.01	0.04	**0.17**
MAJURA RD	439	1.10	0	1	0.07	0.23	**0.45**	0.08	0.16	0.00	**0.39**	0.07	0.13	0.00	**0.32**	0.08	0.16	0.00	**0.39**
MAJURA RD	440	4.10	4	5	0.34	0.35	**1.78**	0.39	0.24	0.28	**1.50**	0.33	0.20	0.28	**1.35**	0.39	0.24	0.28	**1.50**
MAJURA RD	441	0.02	1	1	0.11	0.03	**0.65**	0.03	0.04	0.18	**0.35**	0.03	0.04	0.18	**0.35**	0.03	0.04	0.18	**0.35**
MONARO HWY	461	0.00	2	4	0.49	0.01	**0.17**	0.49	0.01	0.00	**0.67**	0.40	0.01	0.00	**0.57**	0.49	0.01	0.00	**0.67**
MONARO HWY	462	4.50	3	5	0.66	0.03	**0.53**	0.49	0.02	0.00	**0.95**	0.54	0.02	0.00	**1.05**	0.66	0.03	0.00	**1.22**
MONARO HWY	463	7.70	5	18	1.56	0.03	**2.50**	1.07	0.02	0.02	**2.90**	1.27	0.03	0.03	**3.78**	1.56	0.03	0.03	**4.12**
MONARO HWY	464	13.40	3	3	0.48	0.08	**1.64**	0.36	0.06	0.01	**1.67**	0.39	0.07	0.01	**2.00**	0.48	0.08	0.01	**2.21**
MONARO HWY	465	16.40	0	1	0.23	0.02	**0.13**	0.16	0.02	0.00	**0.26**	0.19	0.02	0.00	**0.31**	0.23	0.02	0.00	**0.38**
MONARO HWY	466	17.30	1	4	0.57	0.80	**1.79**	0.48	0.42	0.00	**1.37**	0.53	0.46	0.00	**1.52**	0.65	0.56	0.00	**1.86**
MONARO HWY	467	20.30	2	4	0.55	0.87	**2.19**	0.47	0.46	0.00	**1.53**	0.51	0.51	0.00	**1.69**	0.63	0.62	0.00	**2.04**
MONARO HWY	468	23.30	1	5	0.37	1.13	**2.63**	0.31	0.61	0.31	**2.01**	0.34	0.68	0.41	**2.36**	0.42	0.81	0.41	**2.67**
MONARO HWY	469	26.30	0	4	0.48	1.13	**2.39**	0.40	0.61	0.44	**2.17**	0.44	0.68	0.59	**2.57**	0.54	0.81	0.59	**2.89**
MONARO HWY	470	29.30	1	2	0.39	0.99	**2.16**	0.33	0.53	0.00	**1.47**	0.36	0.60	0.00	**1.64**	0.45	0.71	0.00	**1.96**
MONARO HWY	471	32.30	1	2	0.41	1.23	**3.30**	0.35	0.65	0.55	**2.57**	0.38	0.74	0.73	**3.07**	0.47	0.87	0.73	**3.41**
MONARO HWY	472	0.01	0	0	0.70	0.01	**0.17**	0.70	0.01	0.00	**0.88**	0.57	0.01	0.00	**0.74**	0.70	0.01	0.00	**0.88**
MONARO HWY	473	4.51	4	6	1.03	0.03	**1.53**	0.77	0.02	0.01	**1.98**	0.84	0.02	0.01	**2.37**	1.03	0.03	0.01	**2.59**
MONARO HWY	474	8.01	7	10	1.33	0.03	**2.82**	0.92	0.02	0.01	**2.96**	1.08	0.02	0.02	**3.91**	1.33	0.03	0.02	**4.14**
MONARO HWY	475	13.31	1	3	0.36	0.10	**1.57**	0.26	0.07	0.01	**1.56**	0.29	0.08	0.01	**1.86**	0.36	0.10	0.01	**2.04**
MONARO HWY	476	16.41	0	0	0.25	0.01	**0.20**	0.18	0.01	0.00	**0.33**	0.21	0.01	0.00	**0.41**	0.25	0.01	0.00	**0.47**
APOLLO RD	17	12.60	0	0	1.02	0.07	**0.11**	0.88	0.03	0.00	**0.93**	0.95	0.04	0.00	**1.01**	1.15	0.05	0.00	**1.22**
APOLLO RD	18	15.60	0	0	2.44	0.21	**0.31**	2.18	0.10	0.00	**2.35**	2.31	0.12	0.00	**2.51**	2.66	0.14	0.00	**2.90**
APOLLO RD	19	18.60	0	0	1.66	0.11	**0.17**	1.45	0.06	0.00	**1.54**	1.56	0.06	0.00	**1.66**	1.85	0.08	0.00	**1.98**
BOBOYAN RD A	98	0.00	0	0	0.86	0.08	**0.17**	0.74	0.04	0.01	**0.83**	0.80	0.05	0.01	**0.91**	0.97	0.06	0.01	**1.10**
BOBOYAN RD A	99	3.00	0	3	2.61	0.24	**0.49**	2.28	0.12	0.03	**2.54**	2.45	0.13	0.04	**2.75**	2.91	0.17	0.04	**3.26**
BOBOYAN RD	88	0.00	0	0	0.80	0.07	**0.19**	0.69	0.04	0.02	**0.78**	0.75	0.04	0.02	**0.86**	0.91	0.05	0.02	**1.04**
BOBOYAN RD	89	3.00	0	1	0.93	0.08	**0.17**	0.80	0.04	0.01	**0.89**	0.86	0.05	0.01	**0.97**	1.05	0.06	0.01	**1.17**
BOBOYAN RD	90	6.00	0	0	1.01	0.08	**0.13**	0.87	0.04	0.00	**0.94**	0.94	0.05	0.00	**1.02**	1.14	0.06	0.00	**1.23**
BOBOYAN RD	91	9.00	0	1	1.24	0.10	**0.16**	1.07	0.05	0.00	**1.16**	1.16	0.06	0.00	**1.25**	1.40	0.07	0.00	**1.51**
BOBOYAN RD	92	12.00	0	0	3.14	0.33	**0.51**	2.85	0.17	0.00	**3.14**	3.00	0.19	0.00	**3.32**	3.38	0.23	0.00	**3.76**
BOBOYAN RD	93	15.00	0	1	3.87	0.34	**0.53**	3.53	0.17	0.00	**3.83**	3.71	0.19	0.00	**4.04**	4.14	0.24	0.00	**4.54**
BOBOYAN RD	94	18.00	1	1	3.22	0.34	**0.60**	2.93	0.17	0.00	**3.25**	3.09	0.19	0.00	**3.43**	3.46	0.24	0.00	**3.88**
BOBOYAN RD	95	21.00	0	0	3.11	0.30	**0.47**	2.82	0.15	0.00	**3.08**	2.97	0.17	0.00	**3.26**	3.34	0.21	0.00	**3.70**
BOBOYAN RD	96	24.00	0	1	4.21	0.62	**0.82**	3.93	0.32	0.00	**4.45**	4.08	0.36	0.00	**4.66**	4.42	0.44	0.00	**5.13**
BOBOYAN RD	97	27.00	0	1	8.33	1.07	**1.62**	7.78	0.56	0.00	**8.73**	8.07	0.61	0.00	**9.11**	8.75	0.75	0.00	**10.03**
CORIN RD	157	0.01	0	1	0.86	0.04	**0.06**	0.74	0.02	0.00	**0.77**	0.80	0.02	0.00	**0.84**	0.98	0.03	0.00	**1.02**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter-	Total ANRAM FSI	Run-off-road	Head-on	Inte	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI	Run-off-road	Head-on	Inter	Total ANRAM FSI
CORIN RD	158	3.01	1	1	1.24	0.07	**0.11**	1.07	0.03	0.00	**1.13**	1.16	0.04	0.00	**1.22**	1.39	0.05	0.00	**1.46**
CORIN RD	159	6.01	1	1	1.32	0.07	**0.14**	1.14	0.03	0.00	**1.21**	1.23	0.04	0.01	**1.31**	1.47	0.05	0.01	**1.57**
CORIN RD	160	9.01	0	1	1.45	0.07	**0.10**	1.25	0.03	0.00	**1.31**	1.35	0.04	0.00	**1.41**	1.62	0.05	0.00	**1.69**
CORIN RD	161	12.01	0	0	0.74	0.04	**0.05**	0.63	0.02	0.00	**0.66**	0.69	0.02	0.00	**0.72**	0.84	0.03	0.00	**0.88**
CORIN RD	162	15.01	0	0	0.68	0.03	**0.05**	0.58	0.02	0.00	**0.61**	0.63	0.02	0.00	**0.66**	0.77	0.02	0.00	**0.81**
CORIN RD	163	18.01	0	0	1.40	0.08	**0.11**	1.21	0.04	0.00	**1.27**	1.31	0.04	0.00	**1.37**	1.56	0.05	0.00	**1.65**
CORIN RD	164	21.41	0	0	0.07	0.00	**0.01**	0.08	0.00	0.00	**0.09**	0.08	0.00	0.00	**0.09**	0.08	0.00	0.00	**0.09**
NAAS RD	499	0.00	0	2	0.25	0.01	**0.03**	0.22	0.01	0.00	**0.23**	0.24	0.01	0.00	**0.26**	0.29	0.01	0.00	**0.31**
NAAS RD	500	3.30	0	0	0.57	0.04	**0.05**	0.48	0.02	0.00	**0.51**	0.53	0.02	0.00	**0.56**	0.65	0.02	0.00	**0.69**
NAAS RD	501	6.30	0	0	0.76	0.05	**0.19**	0.65	0.03	0.03	**0.74**	0.71	0.03	0.04	**0.82**	0.87	0.03	0.04	**1.00**
ORRORAL RD	525	7.93	0	0	1.32	0.10	**0.14**	1.19	0.05	0.00	**1.27**	1.24	0.05	0.00	**1.33**	1.48	0.07	0.00	**1.59**
ORRORAL RD	526	10.93	0	0	0.94	0.05	**0.08**	0.80	0.03	0.00	**0.85**	0.87	0.03	0.00	**0.92**	1.05	0.04	0.00	**1.12**
ORRORAL RD	527	13.93	1	1	1.20	0.06	**0.10**	1.03	0.03	0.00	**1.09**	1.12	0.04	0.00	**1.18**	1.35	0.04	0.00	**1.42**
POINT HUT RD	555	0.00	0	1	0.22	0.02	**0.07**	0.17	0.01	0.01	**0.20**	0.20	0.01	0.02	**0.25**	0.25	0.01	0.02	**0.30**
POINT HUT RD	556	3.30	0	0	0.23	0.01	**0.02**	0.27	0.00	0.00	**0.28**	0.27	0.00	0.00	**0.28**	0.27	0.00	0.00	**0.28**
THARWA DR	597	0.00	0	1	0.11	0.12	**0.29**	0.09	0.06	0.03	**0.26**	0.11	0.07	0.05	**0.33**	0.13	0.08	0.05	**0.38**
THARWA DR	598	0.40	0	2	0.35	0.17	**0.60**	0.06	0.01	0.28	**0.48**	0.07	0.01	0.40	**0.65**	0.09	0.01	0.40	**0.67**
THARWA DR	603	6.70	0	3	0.97	2.44	**4.58**	0.83	1.36	0.23	**3.90**	0.90	1.52	0.27	**4.34**	1.10	1.78	0.27	**5.06**
THARWA DR	604	0.02	0	0	0.27	0.00	**0.27**	0.07	0.00	0.05	**0.15**	0.08	0.00	0.07	**0.20**	0.10	0.00	0.07	**0.22**
THARWA DR	605	0.72	0	6	0.73	0.17	**0.59**	0.21	0.14	0.00	**0.42**	0.24	0.16	0.00	**0.49**	0.29	0.20	0.00	**0.60**
THARWA DR	606	3.62	3	6	1.71	0.06	**2.60**	0.46	0.05	0.44	**1.36**	0.53	0.06	0.53	**1.60**	0.63	0.07	0.53	**1.71**
TIDBINBILLA RD	607	12.24	0	0	0.02	0.00	**0.00**	0.02	0.00	0.01	**0.03**	0.02	0.00	0.01	**0.03**	0.02	0.00	0.01	**0.03**
TIDBINBILLA RD	608	12.44	0	2	0.53	0.03	**0.09**	0.45	0.01	0.01	**0.49**	0.49	0.02	0.01	**0.54**	0.60	0.02	0.01	**0.66**
TIDBINBILLA RD	609	15.44	0	1	0.67	0.04	**0.06**	0.57	0.02	0.00	**0.61**	0.62	0.02	0.00	**0.66**	0.77	0.03	0.00	**0.81**
TIDBINBILLA RD	610	18.44	0	4	0.82	0.05	**0.10**	0.70	0.02	0.01	**0.75**	0.76	0.03	0.01	**0.82**	0.93	0.03	0.01	**1.01**
TIDBINBILLA RD	611	21.44	0	1	0.37	0.03	**0.04**	0.31	0.01	0.00	**0.33**	0.34	0.01	0.00	**0.36**	0.42	0.02	0.00	**0.45**
TIDBINBILLA RD	612	24.44	0	0	0.66	0.05	**0.17**	0.56	0.02	0.02	**0.64**	0.61	0.03	0.03	**0.72**	0.76	0.03	0.03	**0.87**
BRINDABELLA RD	102	0.00	1	12	3.93	0.22	**0.45**	3.40	0.11	0.02	**3.63**	3.67	0.12	0.03	**3.94**	4.40	0.15	0.03	**4.71**
BRINDABELLA RD	103	5.20	0	1	0.32	0.02	**0.17**	0.25	0.01	0.03	**0.33**	0.30	0.01	0.04	**0.40**	0.37	0.02	0.04	**0.48**
BRINDABELLA RD	104	8.20	0	1	0.38	0.03	**0.07**	0.30	0.01	0.01	**0.33**	0.35	0.02	0.01	**0.40**	0.44	0.02	0.01	**0.49**
BRINDABELLA RD	105	11.20	1	2	0.53	0.04	**0.13**	0.42	0.02	0.01	**0.47**	0.49	0.02	0.01	**0.57**	0.61	0.03	0.01	**0.69**
BRINDABELLA RD	106	14.20	1	2	0.91	0.06	**0.11**	0.72	0.03	0.00	**0.77**	0.84	0.03	0.00	**0.91**	1.03	0.04	0.00	**1.11**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter-	Total ANRA MFSI	Run-off-road	Head-on	Inte	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head- on	Inter	Total ANRA M FSI
BRINDABELLA RD	107	17.20	0	0	3.86	0.43	**0.66**	3.43	0.20	0.00	**3.78**	3.72	0.24	0.00	**4.14**	4.08	0.30	0.00	**4.59**
BRINDABELLA RD	108	20.20	0	1	5.13	0.43	**0.78**	4.39	0.20	0.03	**4.79**	4.89	0.24	0.04	**5.37**	5.54	0.30	0.04	**6.12**
COPPINS CROSSING RD	150	0.00	2	3	0.33	0.02	**0.45**	0.14	0.01	0.03	**0.22**	0.31	0.01	0.08	**0.54**	0.38	0.02	0.08	**0.61**
COPPINS CROSSING RD	151	1.10	0	4	1.13	0.03	**0.05**	1.24	0.02	0.00	**1.28**	1.27	0.02	0.00	**1.30**	1.28	0.02	0.00	**1.32**
COPPINS CROSSING RD	152	3.50	0	0	0.24	0.00	**0.53**	0.04	0.00	0.05	**0.16**	0.04	0.00	0.05	**0.16**	0.04	0.00	0.05	**0.16**
COPPINS CROSSING RD	153	3.63	0	0	0.24	0.00	**0.49**	0.04	0.00	0.05	**0.15**	0.04	0.00	0.05	**0.15**	0.04	0.00	0.05	**0.15**
COTTER RD	167	0.00	1	6	0.31	0.04	**0.12**	0.35	0.03	0.02	**0.43**	0.35	0.03	0.02	**0.43**	0.35	0.03	0.02	**0.43**
COTTER RD	168	3.40	0	3	0.43	0.03	**0.05**	0.34	0.02	0.00	**0.36**	0.40	0.02	0.00	**0.43**	0.49	0.02	0.00	**0.53**
COTTER RD	169	6.40	1	3	0.38	0.03	**0.13**	0.30	0.02	0.01	**0.35**	0.35	0.02	0.02	**0.43**	0.44	0.02	0.02	**0.52**
FAIRLIGHT RD	237	7.07	0	1	0.14	0.01	**0.01**	0.16	0.00	0.00	**0.17**	0.16	0.00	0.00	**0.17**	0.16	0.00	0.00	**0.17**
PADDYS RIVER RD	532	0.00	1	2	0.03	0.00	**0.02**	0.03	0.00	0.00	**0.04**	0.03	0.00	0.00	**0.04**	0.03	0.00	0.00	**0.04**
PADDYS RIVER RD	533	0.60	1	1	0.27	0.01	**0.08**	0.30	0.01	0.01	**0.35**	0.30	0.01	0.01	**0.35**	0.30	0.01	0.01	**0.35**
PADDYS RIVER RD	534	2.10	0	2	0.85	0.05	**0.12**	0.72	0.02	0.01	**0.78**	0.78	0.03	0.02	**0.86**	0.96	0.03	0.02	**1.04**
PADDYS RIVER RD	535	5.10	0	1	1.15	0.07	**0.14**	0.99	0.04	0.01	**1.06**	1.07	0.04	0.01	**1.15**	1.29	0.05	0.01	**1.39**
PADDYS RIVER RD	536	8.10	0	2	1.01	0.07	**0.10**	0.86	0.03	0.00	**0.92**	0.94	0.04	0.00	**1.00**	1.14	0.05	0.00	**1.22**
PADDYS RIVER RD	537	11.10	0	2	0.56	0.05	**0.17**	0.47	0.03	0.02	**0.56**	0.52	0.03	0.03	**0.62**	0.64	0.04	0.03	**0.76**
URIARRA RD	627	0.00	0	1	0.35	0.02	**0.06**	0.29	0.01	0.01	**0.32**	0.32	0.01	0.01	**0.36**	0.40	0.02	0.01	**0.44**
URIARRA RD	628	5.60	0	0	0.06	0.00	**0.01**	0.05	0.00	0.00	**0.05**	0.06	0.00	0.00	**0.06**	0.07	0.00	0.00	**0.08**
URIARRA RD	629	6.10	0	0	0.01	0.00	**0.00**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**
URIARRA RD	630	6.30	0	0	0.01	0.00	**0.00**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
URIARRA RD	631	11.77	0	0	0.21	0.00	**0.01**	0.23	0.00	0.00	**0.24**	0.23	0.00	0.00	**0.24**	0.23	0.00	0.00	**0.24**
URIARRA RD	632	12.37	0	0	0.07	0.00	**0.01**	0.06	0.00	0.00	**0.06**	0.07	0.00	0.00	**0.07**	0.08	0.00	0.00	**0.09**
URIARRA RD	633	13.07	0	0	0.43	0.03	**0.04**	0.37	0.01	0.00	**0.39**	0.40	0.02	0.00	**0.42**	0.49	0.02	0.00	**0.52**
URIARRA RD	634	16.07	1	2	0.63	0.03	**0.05**	0.54	0.02	0.00	**0.56**	0.59	0.02	0.00	**0.62**	0.72	0.02	0.00	**0.76**
URIARRA RD	635	21.07	0	0	0.03	0.00	**0.01**	0.03	0.00	0.00	**0.03**	0.03	0.00	0.00	**0.04**	0.04	0.00	0.00	**0.04**
URIARRA RD	636	22.07	0	1	0.04	0.00	**0.01**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**
KINGS HWY	385	0.00	0	1	0.55	2.43	**5.26**	0.46	1.35	0.82	**4.46**	0.50	1.51	1.10	**5.23**	0.62	1.77	1.10	**5.85**
KINGS HWY	386	5.00	2	2	0.06	0.20	**1.41**	0.04	0.10	0.14	**0.69**	0.05	0.12	0.20	**0.91**	0.07	0.14	0.20	**0.99**
KINGS HWY	387	5.70	1	1	0.63	0.00	**0.00**	0.12	0.00	0.00	**0.13**	0.15	0.00	0.00	**0.15**	0.18	0.00	0.00	**0.18**
KINGS HWY	388	6.30	0	1	0.48	1.13	**1.36**	0.42	0.66	0.00	**1.58**	0.45	0.73	0.00	**1.73**	0.54	0.85	0.00	**2.03**
KINGS HWY	389	0.68	0	3	1.89	0.00	**0.24**	1.56	0.00	0.00	**1.75**	1.66	0.00	0.00	**1.90**	1.89	0.00	0.00	**2.13**
SUTTON RD	589	4.13	0	1	0.08	0.05	**0.06**	0.06	0.03	0.00	**0.10**	0.08	0.03	0.00	**0.12**	0.09	0.04	0.00	**0.15**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				Lower Speed Limit ANRAM FSI				ATLM ANRAM FSI				Intersections ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter-	Total ANRA MFSI	Run-off-road	Head-on	Inte	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head- on	Inter	Total ANRA M FSI
SUTTON RD	590	4.73	0	2	0.35	0.14	**0.32**	0.27	0.06	0.02	**0.42**	0.32	0.08	0.03	**0.51**	0.40	0.09	0.03	**0.62**
SUTTON RD	591	9.13	0	0	0.47	0.20	**0.35**	0.40	0.10	0.00	**0.57**	0.43	0.11	0.00	**0.63**	0.53	0.13	0.00	**0.78**

K2 BASELINE, ATLM PLUS ROADSIDE BARRIERS AND ATLM PLUS ROADSIDE AND MEDIUM BARRIERS- ANRAM FSI CRASHES

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Int.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
PARKWOOD RD	542	0.00	0	2	0.16	0.05	**0.17**	0.18	0.03	0.03	**0.29**	0.18	0.03	0.03	**0.29**
WALLAROO RD	643	0.00	0	1	0.12	0.01	**0.07**	0.11	0.01	0.02	**0.16**	0.11	0.01	0.02	**0.16**
MAJURA RD	438	0.00	0	2	0.27	0.11	**0.52**	0.05	0.01	0.04	**0.17**	0.05	0.01	0.04	**0.17**
MAJURA RD	439	1.10	0	1	0.07	0.23	**0.45**	0.07	0.13	0.00	**0.32**	0.02	0.00	0.00	**0.02**
MAJURA RD	440	4.10	4	5	0.34	0.35	**1.78**	0.33	0.20	0.28	**1.35**	0.13	0.00	0.13	**0.41**
MAJURA RD	441	0.02	1	1	0.11	0.03	**0.65**	0.03	0.04	0.18	**0.35**	0.03	0.04	0.18	**0.35**
MONARO HWY	461	0.00	2	4	0.49	0.01	**0.17**	0.05	0.01	0.00	**0.21**	0.05	0.01	0.00	**0.21**
MONARO HWY	462	4.50	3	5	0.66	0.03	**0.53**	0.02	0.02	0.00	**0.53**	0.02	0.02	0.00	**0.53**
MONARO HWY	463	7.70	5	18	1.56	0.03	**2.50**	0.01	0.03	0.03	**2.52**	0.01	0.03	0.03	**2.52**
MONARO HWY	464	13.40	3	3	0.48	0.08	**1.64**	0.38	0.07	0.01	**1.99**	0.38	0.07	0.01	**1.99**
MONARO HWY	465	16.40	0	1	0.23	0.02	**0.13**	0.19	0.02	0.00	**0.31**	0.19	0.02	0.00	**0.31**
MONARO HWY	466	17.30	1	4	0.57	0.80	**1.79**	0.01	0.46	0.00	**1.01**	0.01	0.46	0.00	**1.01**
MONARO HWY	467	20.30	2	4	0.55	0.87	**2.19**	0.02	0.51	0.00	**1.20**	0.02	0.51	0.00	**1.20**
MONARO HWY	468	23.30	1	5	0.37	1.13	**2.63**	0.34	0.68	0.41	**2.36**	0.17	0.00	0.19	**0.51**
MONARO HWY	469	26.30	0	4	0.48	1.13	**2.39**	0.44	0.68	0.59	**2.57**	0.17	0.00	0.28	**0.62**
MONARO HWY	470	29.30	1	2	0.39	0.99	**2.16**	0.36	0.60	0.00	**1.64**	0.13	0.00	0.00	**0.13**
MONARO HWY	471	32.30	1	2	0.41	1.23	**3.30**	0.38	0.74	0.73	**3.07**	0.18	0.00	0.35	**0.84**
MONARO HWY	472	0.01	0	0	0.70	0.01	**0.17**	0.05	0.01	0.00	**0.22**	0.05	0.01	0.00	**0.22**
MONARO HWY	473	4.51	4	6	1.03	0.03	**1.53**	0.03	0.02	0.01	**1.55**	0.03	0.02	0.01	**1.55**
MONARO HWY	474	8.01	7	10	1.33	0.03	**2.82**	0.01	0.02	0.02	**2.84**	0.01	0.02	0.02	**2.84**
MONARO HWY	475	13.31	1	3	0.36	0.10	**1.57**	0.29	0.08	0.01	**1.86**	0.29	0.08	0.01	**1.86**
MONARO HWY	476	16.41	0	0	0.25	0.01	**0.20**	0.21	0.01	0.00	**0.41**	0.21	0.01	0.00	**0.41**
APOLLO RD	17	12.60	0	0	1.02	0.07	**0.11**	0.01	0.04	0.00	**0.08**	0.01	0.04	0.00	**0.08**
APOLLO RD	18	15.60	0	0	2.44	0.21	**0.31**	0.08	0.12	0.00	**0.27**	0.05	0.03	0.00	**0.09**
APOLLO RD	19	18.60	0	0	1.66	0.11	**0.17**	0.02	0.06	0.00	**0.12**	0.01	0.06	0.00	**0.12**
BOBOYAN RD A	98	0.00	0	0	0.86	0.08	**0.17**	0.01	0.05	0.01	**0.11**	0.01	0.05	0.01	**0.11**
BOBOYAN RD A	99	3.00	0	3	2.61	0.24	**0.49**	0.10	0.13	0.04	**0.41**	0.02	0.00	0.02	**0.06**
BOBOYAN RD	88	0.00	0	0	0.80	0.07	**0.19**	0.01	0.04	0.02	**0.13**	0.01	0.04	0.02	**0.13**
BOBOYAN RD	89	3.00	0	1	0.93	0.08	**0.17**	0.02	0.05	0.01	**0.13**	0.02	0.05	0.01	**0.13**
BOBOYAN RD	90	6.00	0	0	1.01	0.08	**0.13**	0.01	0.05	0.00	**0.09**	0.01	0.05	0.00	**0.09**
BOBOYAN RD	91	9.00	0	1	1.24	0.10	**0.16**	0.03	0.06	0.00	**0.13**	0.03	0.06	0.00	**0.13**
BOBOYAN RD	92	12.00	0	0	3.14	0.33	**0.51**	0.04	0.19	0.00	**0.36**	0.03	0.00	0.00	**0.03**
BOBOYAN RD	93	15.00	0	1	3.87	0.34	**0.53**	0.05	0.19	0.00	**0.38**	0.04	0.00	0.00	**0.04**
BOBOYAN RD	94	18.00	1	1	3.22	0.34	**0.60**	0.05	0.19	0.00	**0.40**	0.04	0.00	0.00	**0.04**
BOBOYAN RD	95	21.00	0	0	3.11	0.30	**0.47**	0.04	0.17	0.00	**0.33**	0.03	0.00	0.00	**0.03**
BOBOYAN RD	96	24.00	0	1	4.21	0.62	**0.82**	0.08	0.36	0.00	**0.66**	0.06	0.00	0.00	**0.06**
BOBOYAN RD	97	27.00	0	1	8.33	1.07	**1.62**	0.19	0.61	0.00	**1.24**	0.13	0.00	0.00	**0.13**
CORIN RD	157	0.01	0	1	0.86	0.04	**0.06**	0.01	0.02	0.00	**0.04**	0.01	0.02	0.00	**0.04**
CORIN RD	158	3.01	1	1	1.24	0.07	**0.11**	0.01	0.04	0.00	**0.07**	0.01	0.04	0.00	**0.07**
CORIN RD	159	6.01	1	1	1.32	0.07	**0.14**	0.01	0.04	0.01	**0.09**	0.01	0.04	0.01	**0.09**
CORIN RD	160	9.01	0	1	1.45	0.07	**0.10**	0.01	0.04	0.00	**0.07**	0.01	0.04	0.00	**0.07**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Int.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
CORIN RD	161	12.01	0	0	0.74	0.04	**0.05**	0.01	0.02	0.00	**0.04**	0.01	0.02	0.00	**0.04**
CORIN RD	162	15.01	0	0	0.68	0.03	**0.05**	0.01	0.02	0.00	**0.03**	0.01	0.02	0.00	**0.03**
CORIN RD	163	18.01	0	0	1.40	0.08	**0.11**	0.02	0.04	0.00	**0.08**	0.02	0.04	0.00	**0.08**
CORIN RD	164	21.41	0	0	0.07	0.00	**0.01**	0.08	0.00	0.00	**0.09**	0.08	0.00	0.00	**0.09**
NAAS RD	499	0.00	0	2	0.25	0.01	**0.03**	0.24	0.01	0.00	**0.26**	0.24	0.01	0.00	**0.26**
NAAS RD	500	3.30	0	0	0.57	0.04	**0.05**	0.00	0.02	0.00	**0.04**	0.00	0.02	0.00	**0.04**
NAAS RD	501	6.30	0	0	0.76	0.05	**0.19**	0.01	0.03	0.04	**0.13**	0.01	0.03	0.04	**0.13**
ORRORAL RD	525	7.93	0	0	1.32	0.10	**0.14**	0.03	0.05	0.00	**0.12**	0.03	0.05	0.00	**0.12**
ORRORAL RD	526	10.93	0	0	0.94	0.05	**0.08**	0.01	0.03	0.00	**0.06**	0.01	0.03	0.00	**0.06**
ORRORAL RD	527	13.93	1	1	1.20	0.06	**0.10**	0.01	0.04	0.00	**0.07**	0.01	0.04	0.00	**0.07**
POINT HUT RD	555	0.00	0	1	0.22	0.02	**0.07**	0.20	0.01	0.02	**0.25**	0.20	0.01	0.02	**0.25**
POINT HUT RD	556	3.30	0	0	0.23	0.01	**0.02**	0.27	0.00	0.00	**0.28**	0.27	0.00	0.00	**0.28**
THARWA DR	597	0.00	0	1	0.11	0.12	**0.29**	0.11	0.07	0.05	**0.33**	0.11	0.07	0.05	**0.33**
THARWA DR	598	0.40	0	2	0.35	0.17	**0.60**	0.07	0.01	0.40	**0.65**	0.06	0.00	0.40	**0.60**
THARWA DR	603	6.70	0	3	0.97	2.44	**4.58**	0.16	1.43	0.27	**3.43**	0.11	0.00	0.12	**0.32**
THARWA DR	604	0.02	0	0	0.27	0.00	**0.27**	0.08	0.00	0.07	**0.20**	0.08	0.00	0.07	**0.20**
THARWA DR	605	0.72	0	6	0.73	0.17	**0.59**	0.00	0.16	0.00	**0.25**	0.01	0.00	0.00	**0.01**
THARWA DR	606	3.62	3	6	1.71	0.06	**2.60**	0.10	0.06	0.53	**1.17**	0.10	0.06	0.53	**1.17**
TIDBINBILLA RD	607	12.24	0	0	0.02	0.00	**0.00**	0.02	0.00	0.01	**0.03**	0.02	0.00	0.01	**0.03**
TIDBINBILLA RD	608	12.44	0	2	0.53	0.03	**0.09**	0.01	0.02	0.01	**0.06**	0.01	0.02	0.01	**0.06**
TIDBINBILLA RD	609	15.44	0	1	0.67	0.04	**0.06**	0.01	0.02	0.00	**0.04**	0.01	0.02	0.00	**0.04**
TIDBINBILLA RD	610	18.44	0	4	0.82	0.05	**0.10**	0.05	0.03	0.01	**0.11**	0.05	0.03	0.01	**0.11**
TIDBINBILLA RD	611	21.44	0	1	0.37	0.03	**0.04**	0.34	0.01	0.00	**0.36**	0.34	0.01	0.00	**0.36**
TIDBINBILLA RD	612	24.44	0	0	0.66	0.05	**0.17**	0.01	0.03	0.03	**0.11**	0.01	0.03	0.03	**0.11**
BRINDABELLA RD	102	0.00	1	12	3.93	0.22	**0.45**	0.05	0.12	0.03	**0.32**	0.03	0.00	0.02	**0.06**
BRINDABELLA RD	103	5.20	0	1	0.32	0.02	**0.17**	0.30	0.01	0.04	**0.40**	0.28	0.01	0.04	**0.39**
BRINDABELLA RD	104	8.20	0	1	0.38	0.03	**0.07**	0.35	0.02	0.01	**0.40**	0.35	0.02	0.01	**0.40**
BRINDABELLA RD	105	11.20	1	2	0.53	0.04	**0.13**	0.01	0.02	0.01	**0.08**	0.01	0.02	0.01	**0.08**
BRINDABELLA RD	106	14.20	1	2	0.91	0.06	**0.11**	0.01	0.03	0.00	**0.08**	0.01	0.03	0.00	**0.07**
BRINDABELLA RD	107	17.20	0	0	3.86	0.43	**0.66**	0.06	0.24	0.00	**0.48**	0.05	0.00	0.00	**0.05**
BRINDABELLA RD	108	20.20	0	1	5.13	0.43	**0.78**	0.07	0.24	0.04	**0.55**	0.05	0.00	0.02	**0.08**
COPPINS CROSSING RD	150	0.00	2	3	0.33	0.02	**0.45**	0.31	0.01	0.08	**0.54**	0.31	0.01	0.08	**0.54**
COPPINS CROSSING RD	151	1.10	0	4	1.13	0.03	**0.05**	1.27	0.02	0.00	**1.30**	1.27	0.02	0.00	**1.30**
COPPINS CROSSING RD	152	3.50	0	0	0.24	0.00	**0.53**	0.04	0.00	0.05	**0.16**	0.04	0.00	0.05	**0.16**
COPPINS CROSSING RD	153	3.63	0	0	0.24	0.00	**0.49**	0.04	0.00	0.05	**0.15**	0.04	0.00	0.05	**0.15**
COTTER RD	167	0.00	1	6	0.31	0.04	**0.12**	0.35	0.03	0.02	**0.43**	0.35	0.03	0.02	**0.43**
COTTER RD	168	3.40	0	3	0.43	0.03	**0.05**	0.40	0.02	0.00	**0.43**	0.40	0.02	0.00	**0.43**
COTTER RD	169	6.40	1	3	0.38	0.03	**0.13**	0.35	0.02	0.02	**0.43**	0.35	0.02	0.02	**0.43**
FAIRLIGHT RD	237	7.07	0	1	0.14	0.01	**0.01**	0.16	0.00	0.00	**0.17**	0.16	0.00	0.00	**0.17**
PADDYS RIVER RD	532	0.00	1	2	0.03	0.00	**0.02**	0.03	0.00	0.00	**0.04**	0.03	0.00	0.00	**0.04**

Road name	Chainage		Total Observed FSI	Baseline ANRAM FSI				ATLM Plus Roadside Barriers ANRAM FSI				ATLM Plus Roadside and Median Barriers ANRAM FSI			
	Start	End		Run-off-road	Head-on	Inter	Total ANRA MFSI	Run-off-road	Head-on	Int.	Total ANRA MFSI	Run-off-road	Head-on	Inter	Total ANRA MFSI
PADDYS RIVER RD	533	0.60	1	1	0.27	0.01	**0.08**	0.30	0.01	0.01	**0.35**	0.30	0.01	0.01	**0.35**
PADDYS RIVER RD	534	2.10	0	2	0.85	0.05	**0.12**	0.01	0.03	0.02	**0.08**	0.01	0.03	0.02	**0.08**
PADDYS RIVER RD	535	5.10	0	1	1.15	0.07	**0.14**	0.01	0.04	0.01	**0.10**	0.01	0.04	0.01	**0.10**
PADDYS RIVER RD	536	8.10	0	2	1.01	0.07	**0.10**	0.01	0.04	0.00	**0.07**	0.01	0.04	0.00	**0.07**
PADDYS RIVER RD	537	11.10	0	2	0.56	0.05	**0.17**	0.02	0.03	0.03	**0.12**	0.02	0.03	0.03	**0.12**
URIARRA RD	627	0.00	0	1	0.35	0.02	**0.06**	0.32	0.01	0.01	**0.36**	0.32	0.01	0.01	**0.36**
URIARRA RD	628	5.60	0	0	0.06	0.00	**0.01**	0.06	0.00	0.00	**0.06**	0.06	0.00	0.00	**0.06**
URIARRA RD	629	6.10	0	0	0.01	0.00	**0.00**	0.01	0.00	0.00	**0.02**	0.01	0.00	0.00	**0.02**
URIARRA RD	630	6.30	0	0	0.01	0.00	**0.00**	0.01	0.00	0.00	**0.01**	0.01	0.00	0.00	**0.01**
URIARRA RD	631	11.77	0	0	0.21	0.00	**0.01**	0.23	0.00	0.00	**0.24**	0.23	0.00	0.00	**0.24**
URIARRA RD	632	12.37	0	0	0.07	0.00	**0.01**	0.07	0.00	0.00	**0.07**	0.07	0.00	0.00	**0.07**
URIARRA RD	633	13.07	0	0	0.43	0.03	**0.04**	0.40	0.02	0.00	**0.42**	0.40	0.02	0.00	**0.42**
URIARRA RD	634	16.07	1	2	0.63	0.03	**0.05**	0.19	0.02	0.00	**0.22**	0.19	0.02	0.00	**0.22**
URIARRA RD	635	21.07	0	0	0.03	0.00	**0.01**	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	**0.01**
URIARRA RD	636	22.07	0	1	0.04	0.00	**0.01**	0.05	0.00	0.00	**0.05**	0.05	0.00	0.00	**0.05**
KINGS HWY	385	0.00	0	1	0.55	2.43	**5.26**	0.04	1.51	1.10	**4.76**	0.04	1.51	0.53	**2.08**
KINGS HWY	386	5.00	2	2	0.06	0.20	**1.41**	0.00	0.12	0.20	**0.86**	0.00	0.12	0.10	**0.22**
KINGS HWY	387	5.70	1	1	0.63	0.00	**0.00**	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**
KINGS HWY	388	6.30	0	1	0.48	1.13	**1.36**	0.44	0.73	0.00	**1.72**	0.44	0.73	0.00	**1.17**
KINGS HWY	389	0.68	0	3	1.89	0.00	**0.24**	0.02	0.00	0.00	**0.26**	0.02	0.00	0.00	**0.26**
SUTTON RD	589	4.13	0	1	0.08	0.05	**0.06**	0.08	0.03	0.00	**0.12**	0.08	0.03	0.00	**0.12**
SUTTON RD	590	4.73	0	2	0.35	0.14	**0.32**	0.32	0.08	0.03	**0.51**	0.32	0.08	0.03	**0.51**
SUTTON RD	591	9.13	0	0	0.47	0.20	**0.35**	0.43	0.11	0.00	**0.63**	0.43	0.11	0.00	**0.54**

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

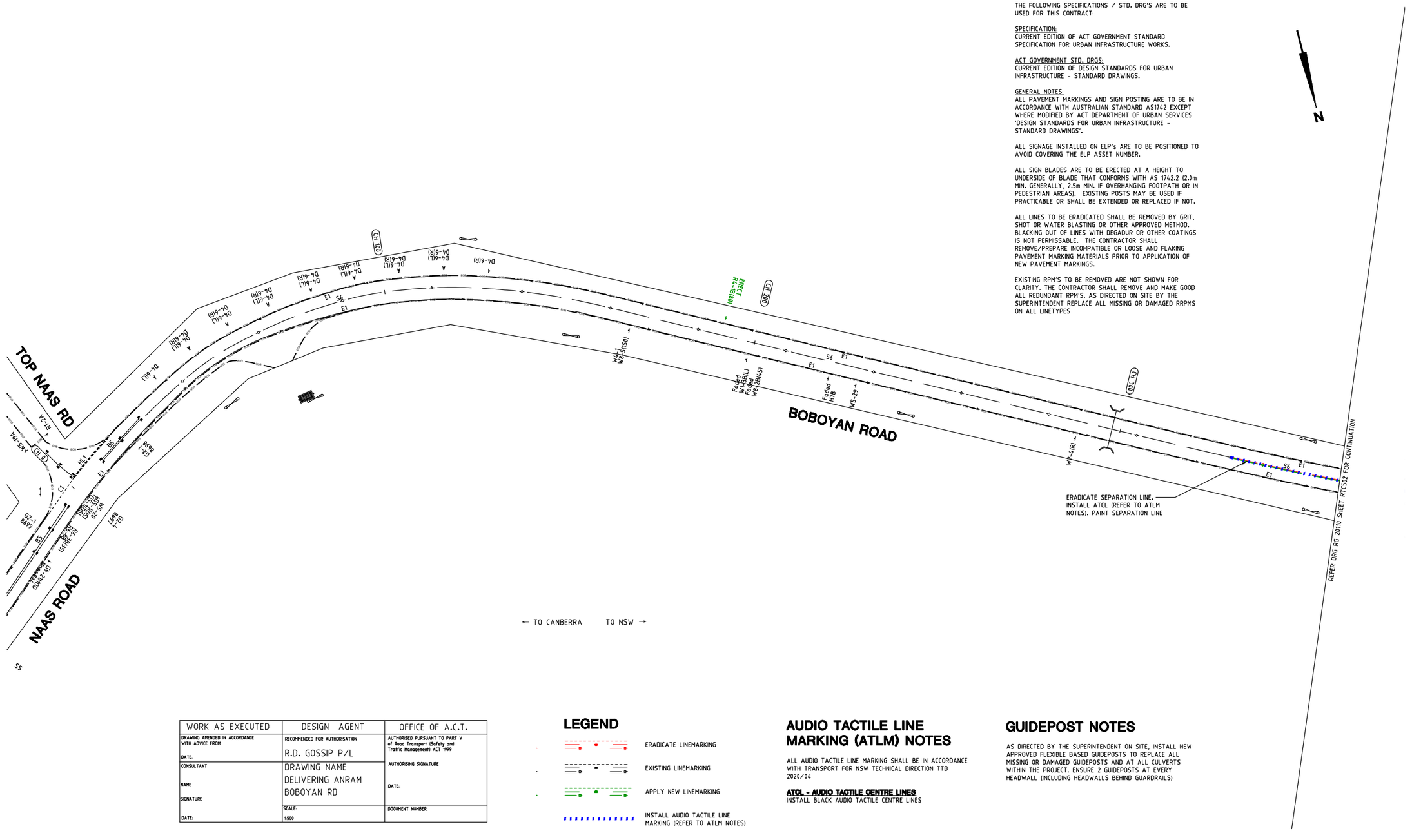
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE: DOCUMENT NUMBER
	SCALE: 1:500	

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

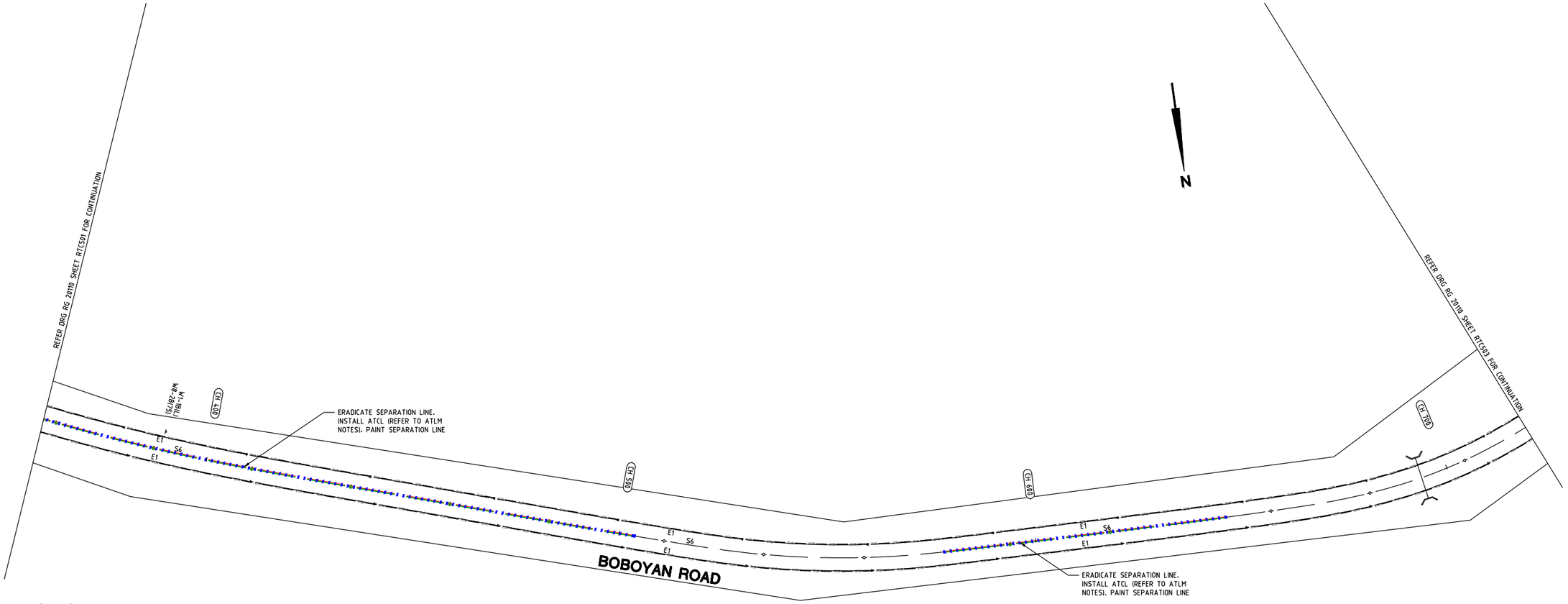
Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 01 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC501	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

← TO CANBERRA TO NSW →

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 129, 12 Provan Street, Campbell ACT 2612, Ph: 02 6251 6313

Designed by | Drawn by | Checked by | Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

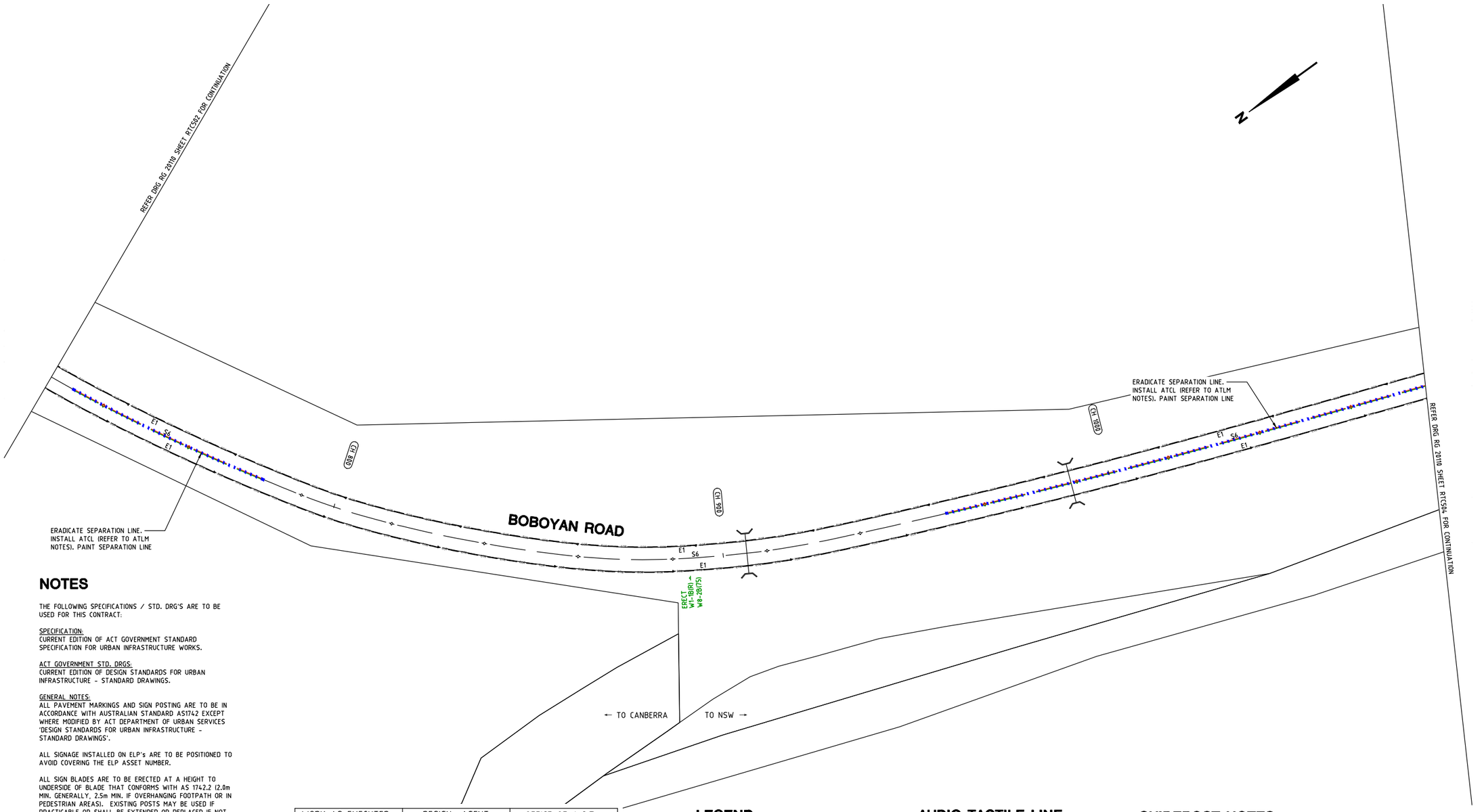
Project: DELIVERING ANRAM
Date: 23/09/21

Drawing Title: BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 02 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC502	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-1	TURN	R	B	1
W8-2	ADVISORY SPEED (75)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 23/09/21

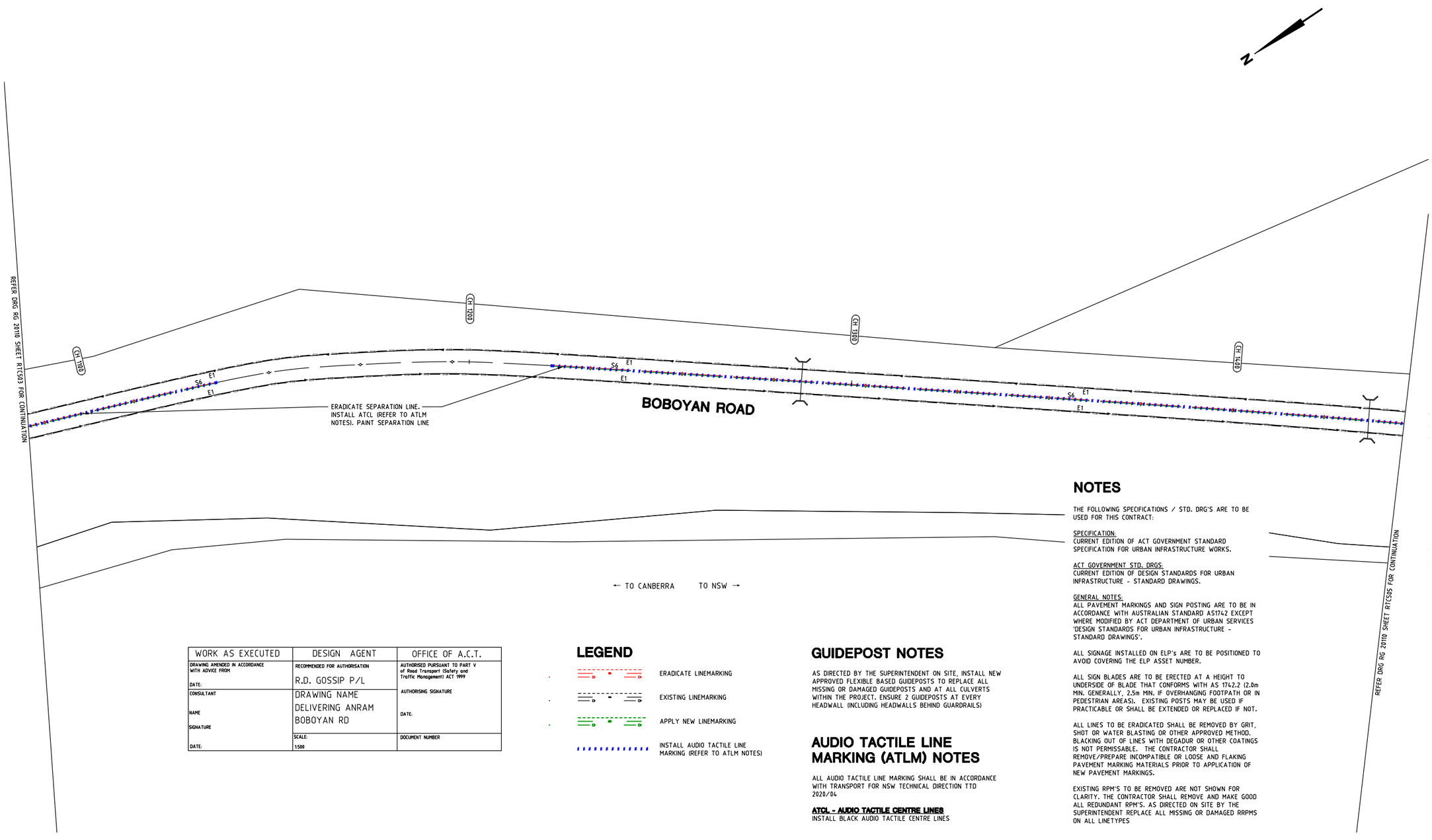
Drawing Title

BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 03 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC503	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.2 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 124, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Chaden
Project Number: 30490
ACT Government

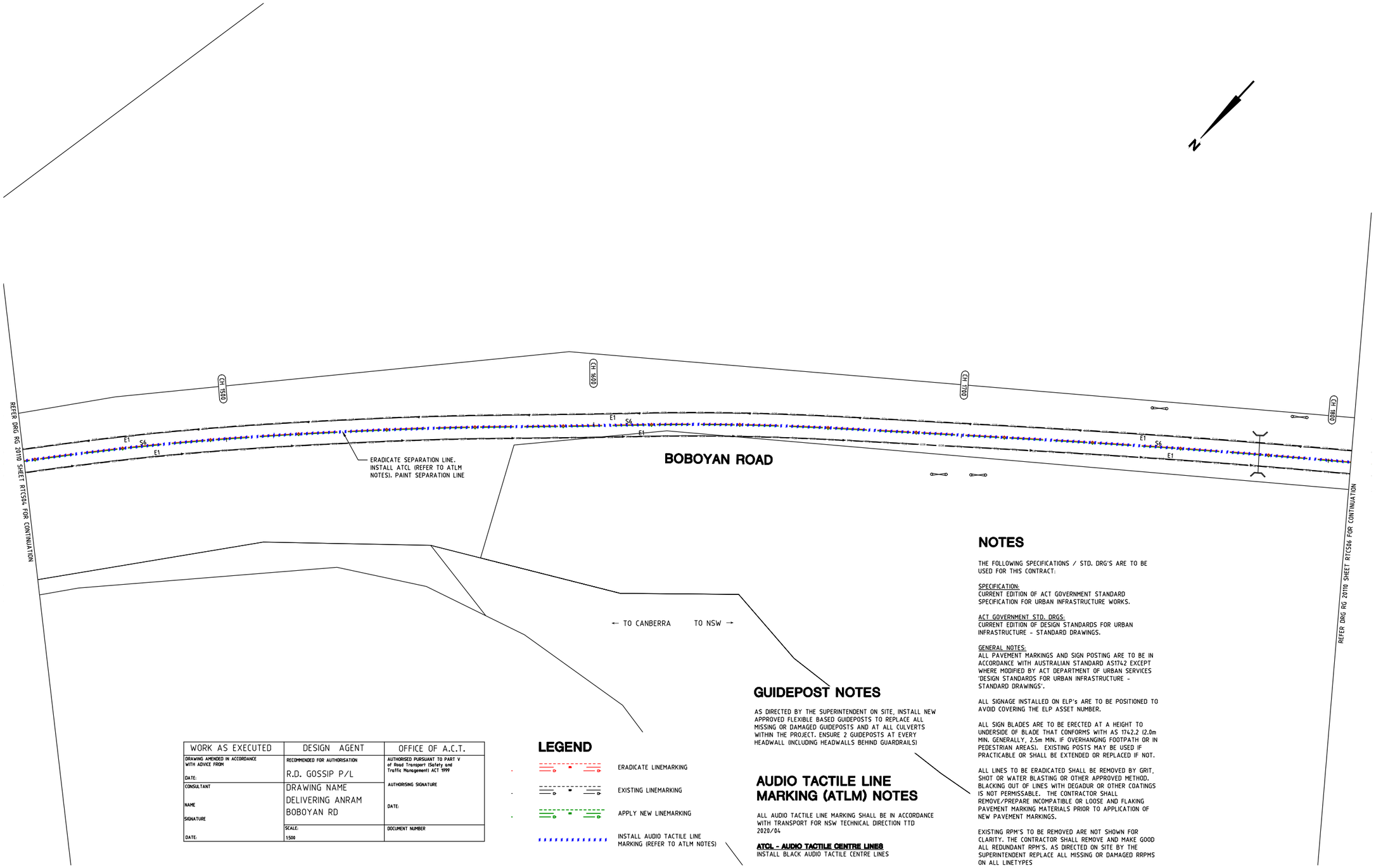
Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 04 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC504	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 05 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC505	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

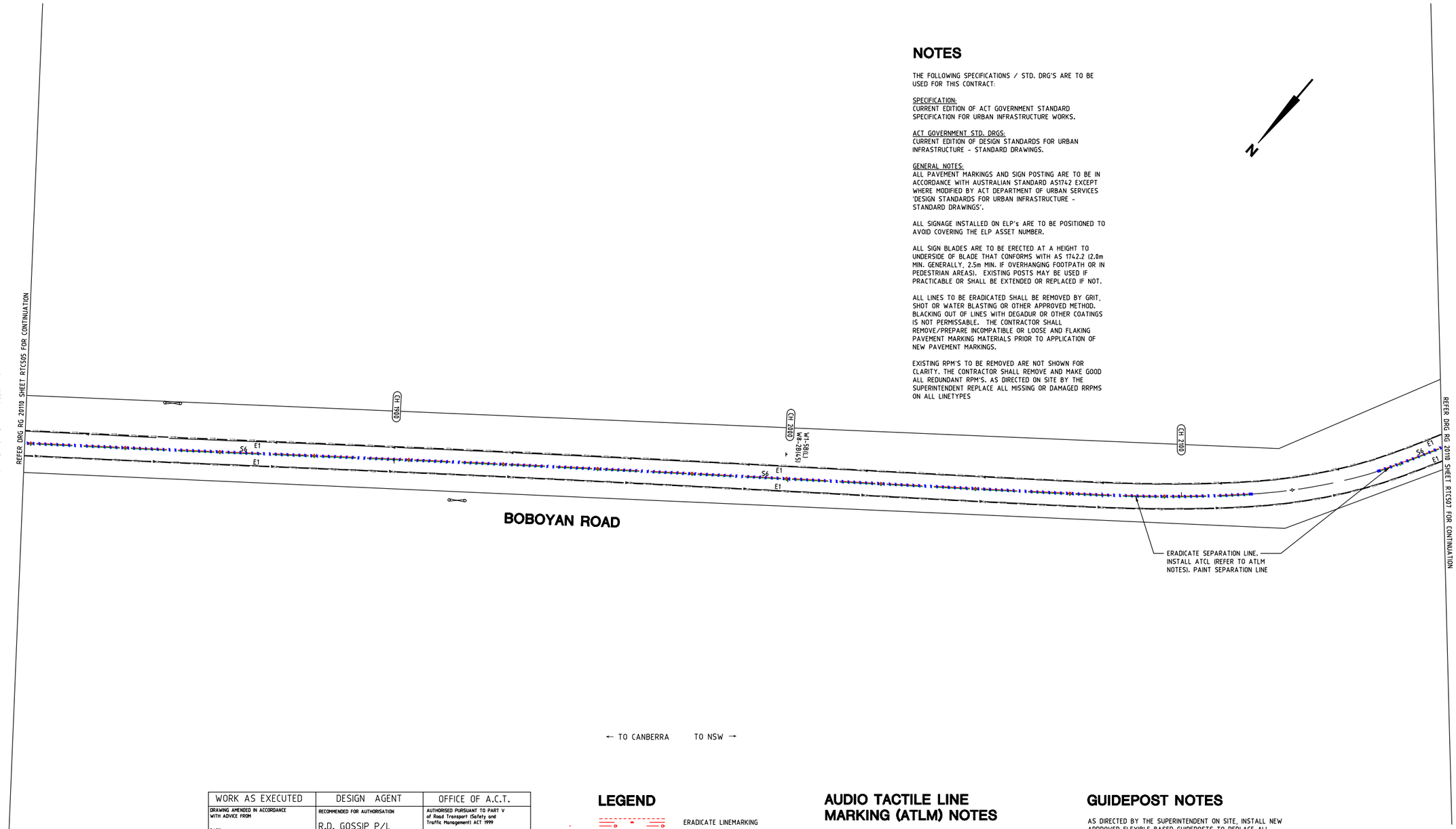
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 06 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC506	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

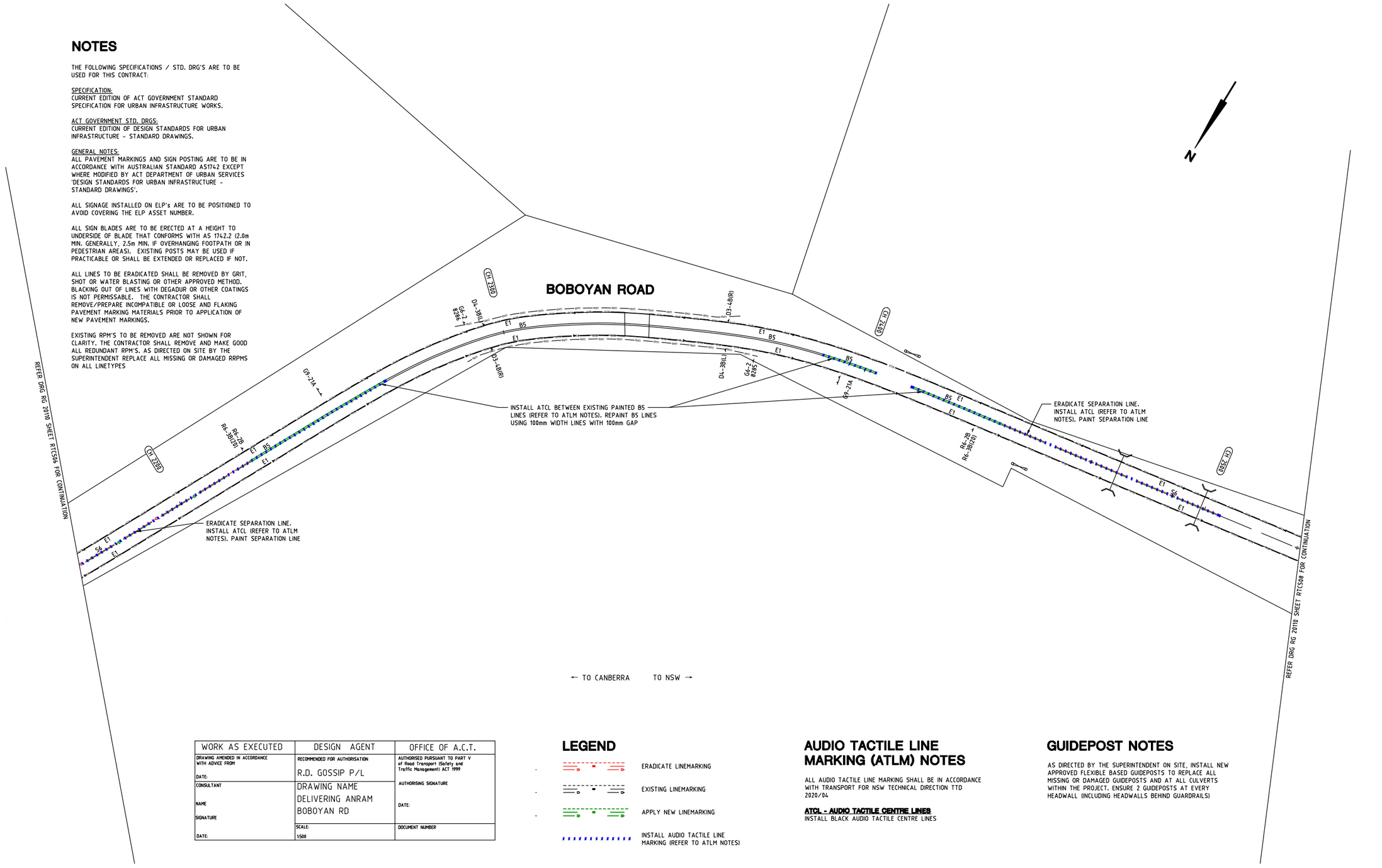
GENERAL NOTES.
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

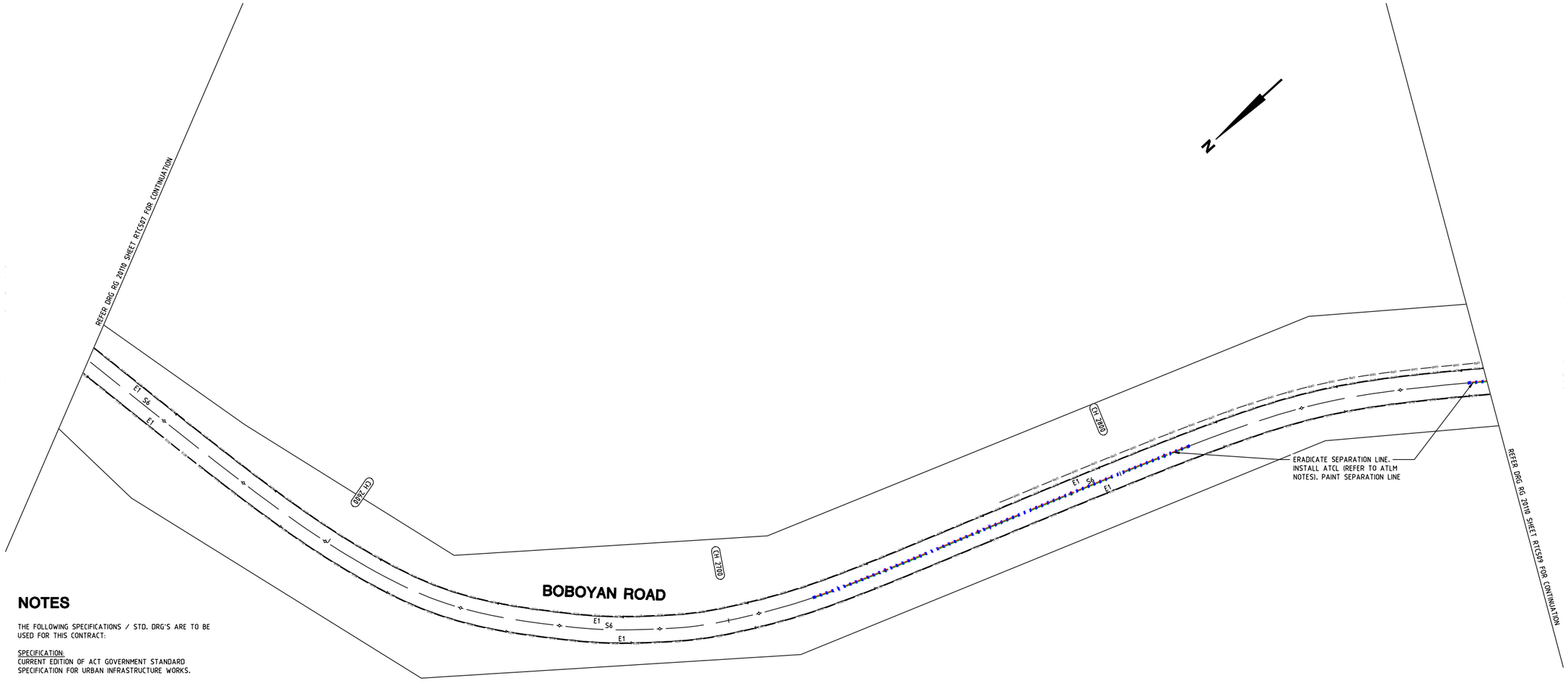
Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 07 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC507	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 08 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC508	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. ORGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

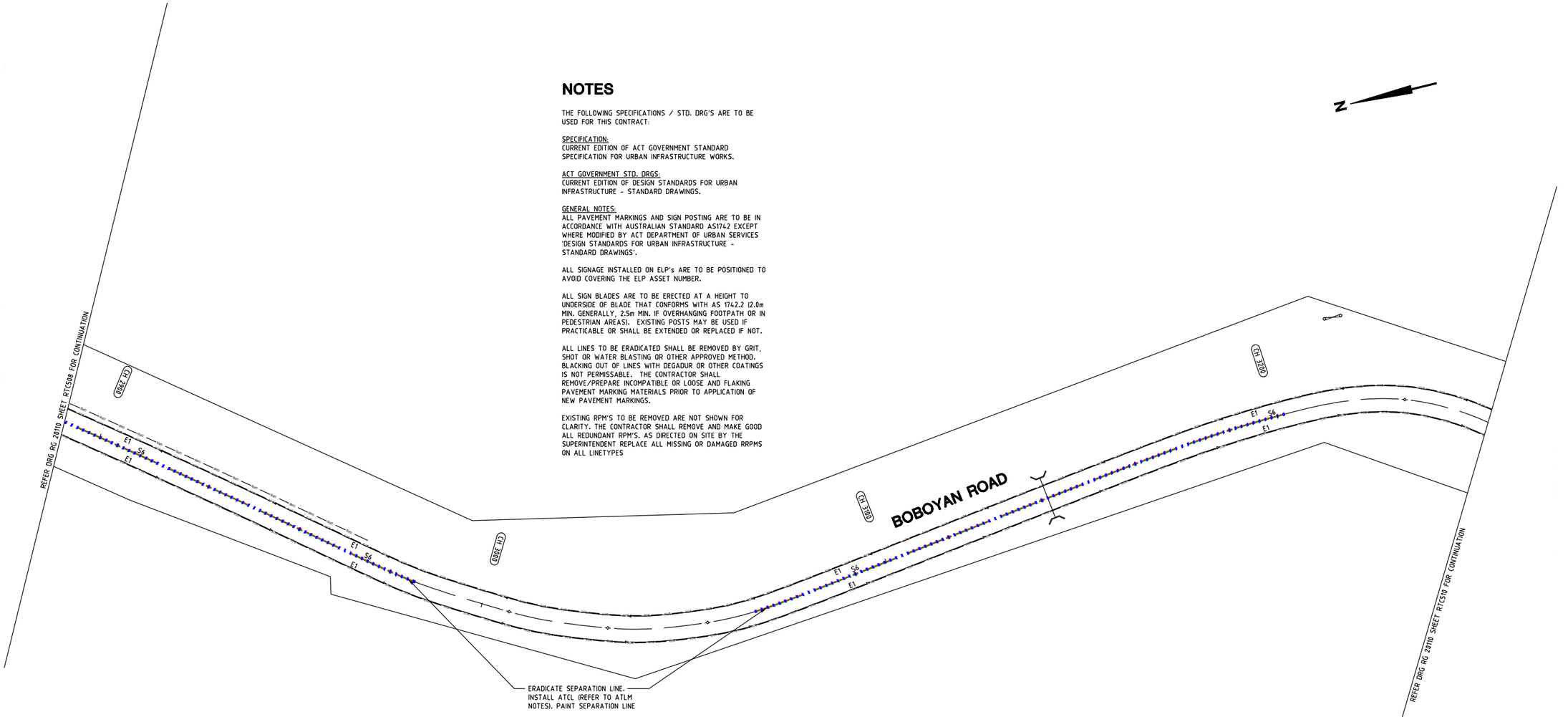
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE: SCALE: 1:500 DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 09 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC509	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

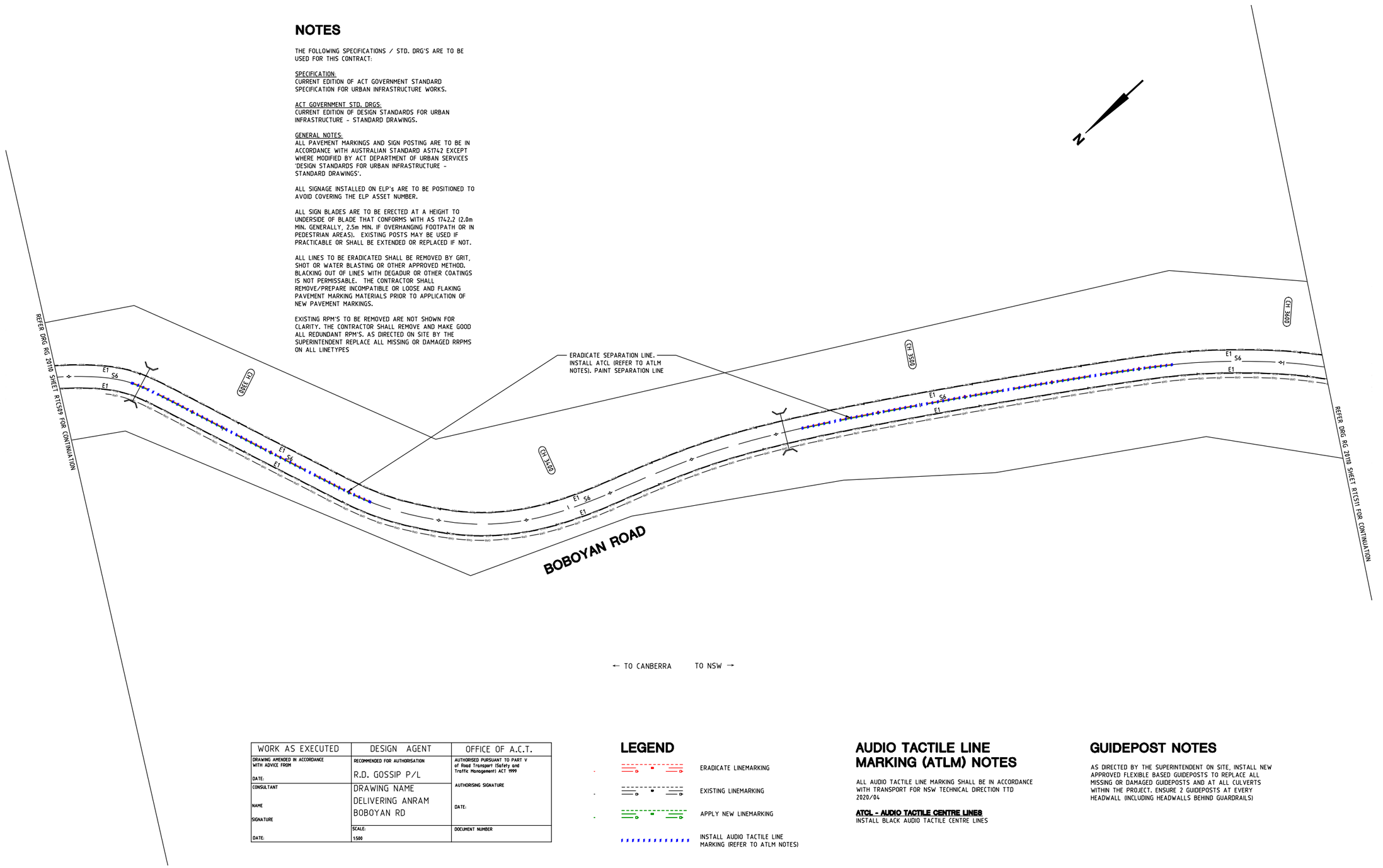
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

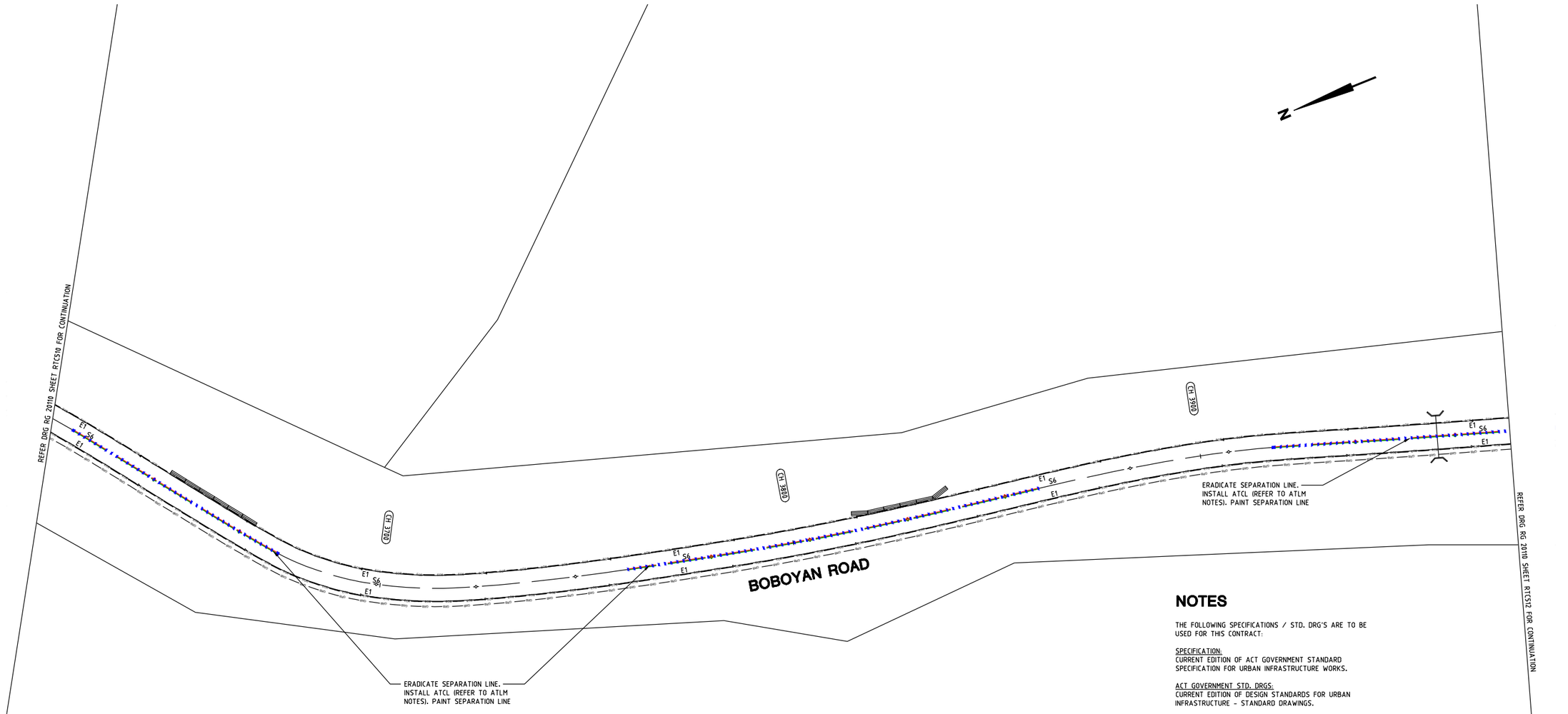
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 10 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC510	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 11 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC511	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

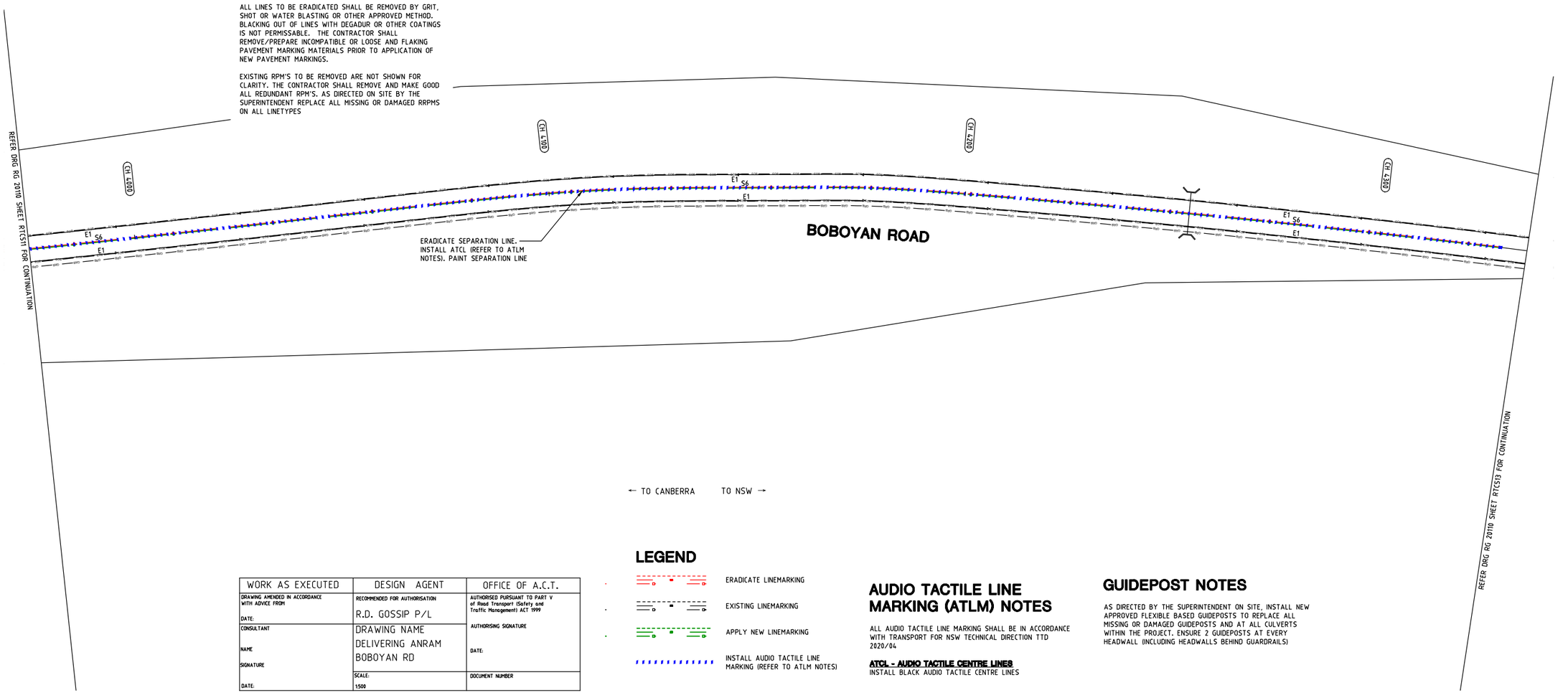
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 12 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC512	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

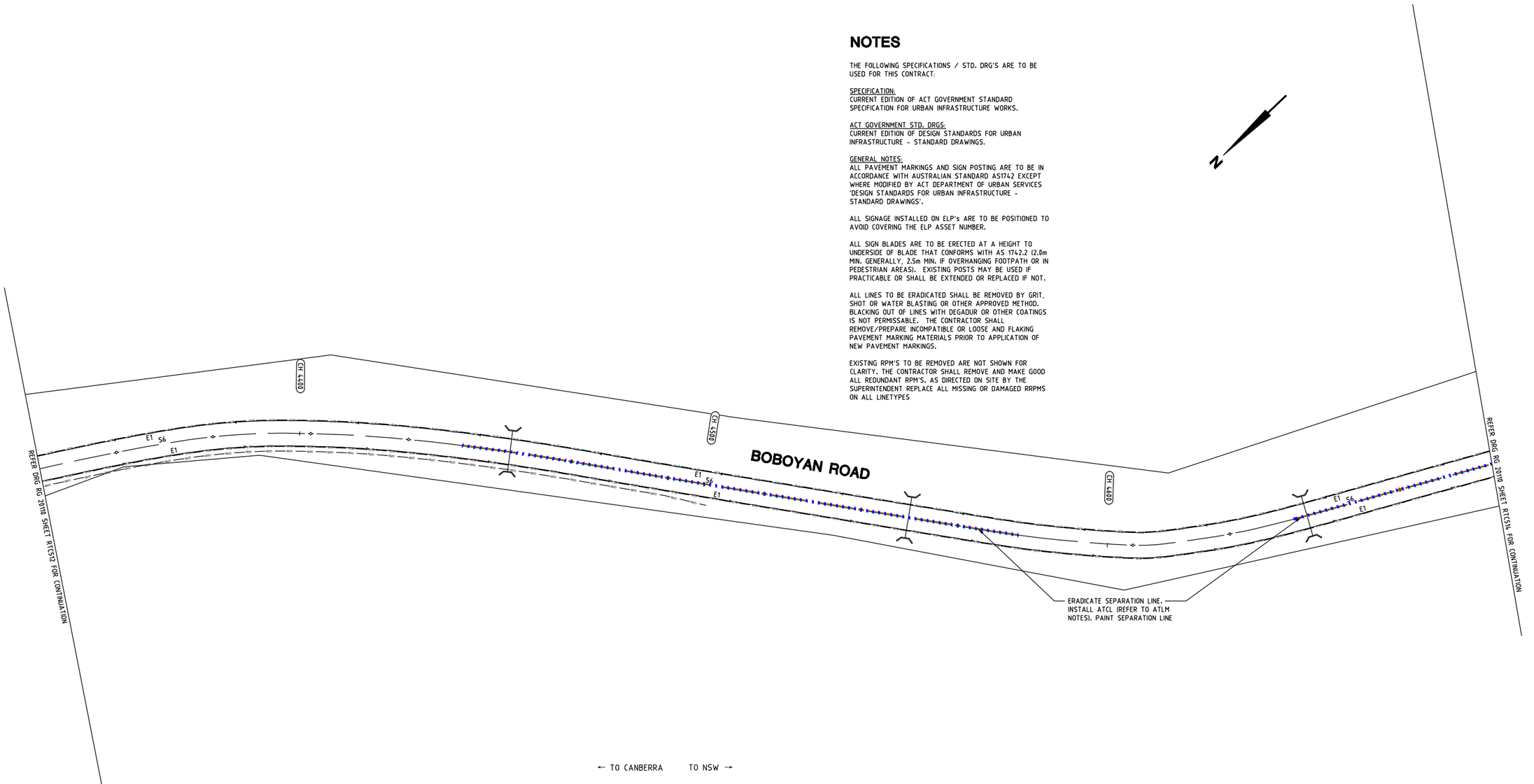
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT. SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 13 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC513	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

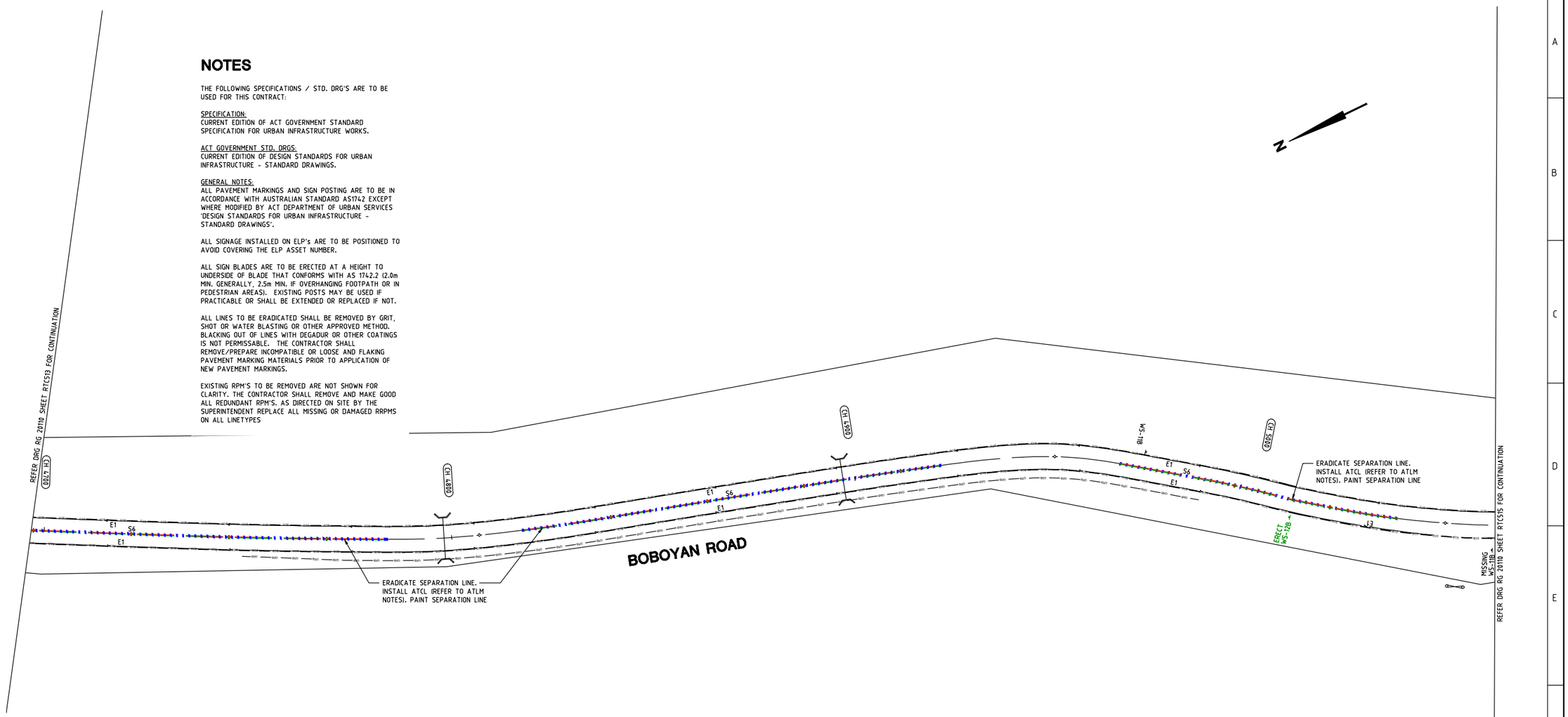
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W5-12	STEEP DESCENT	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For Tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

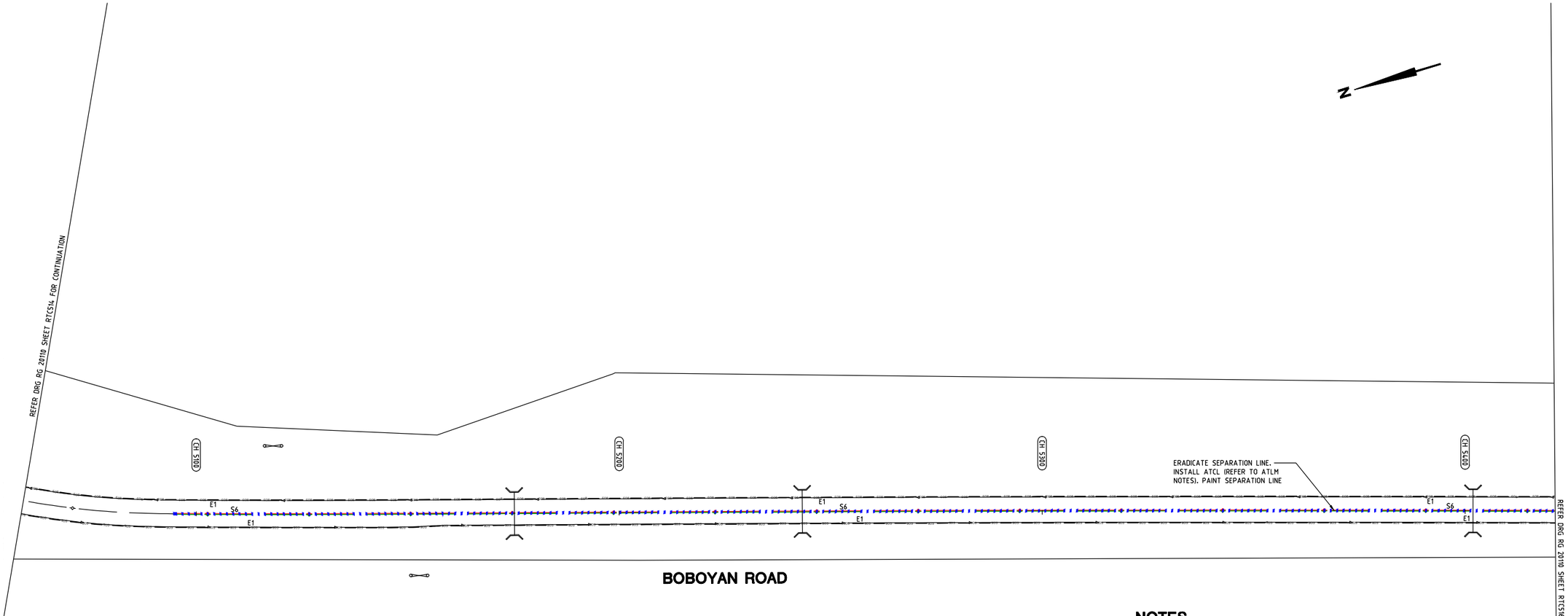
Project
DELIVERING ANRAM
Date 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 14 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC514	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS.
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

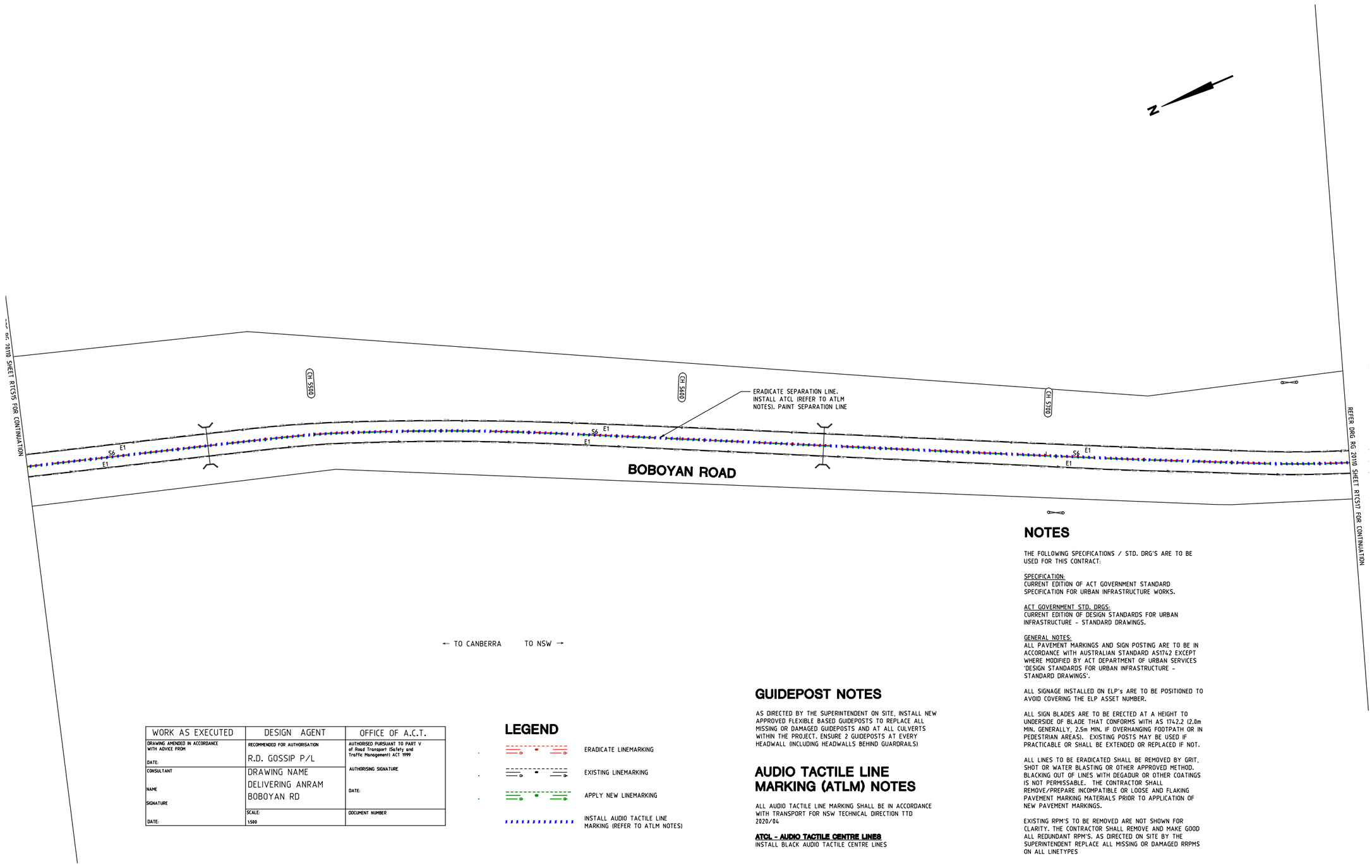
Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 15 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC515	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only. --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 16 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC516	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

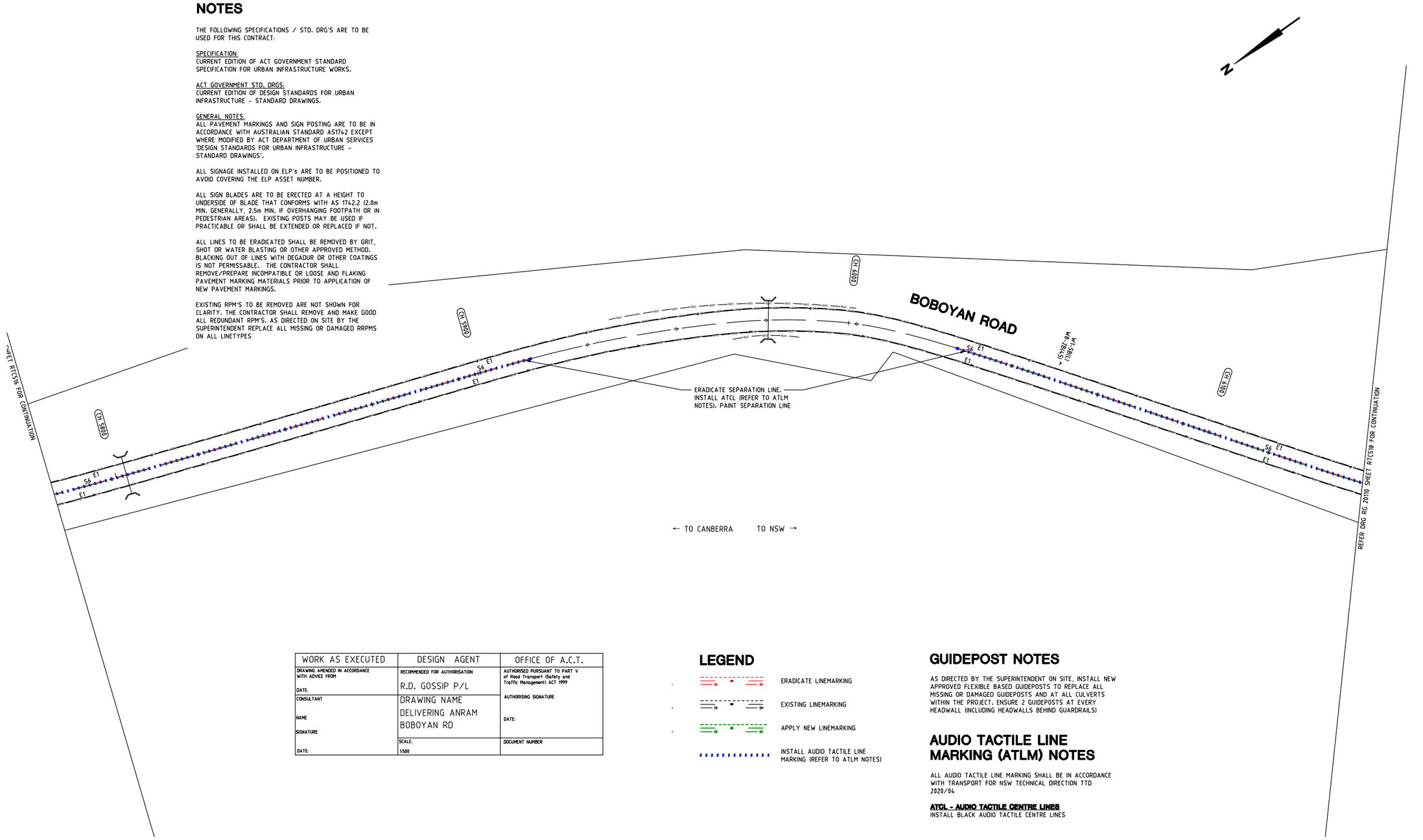
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE: SCALE: 1:500 DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

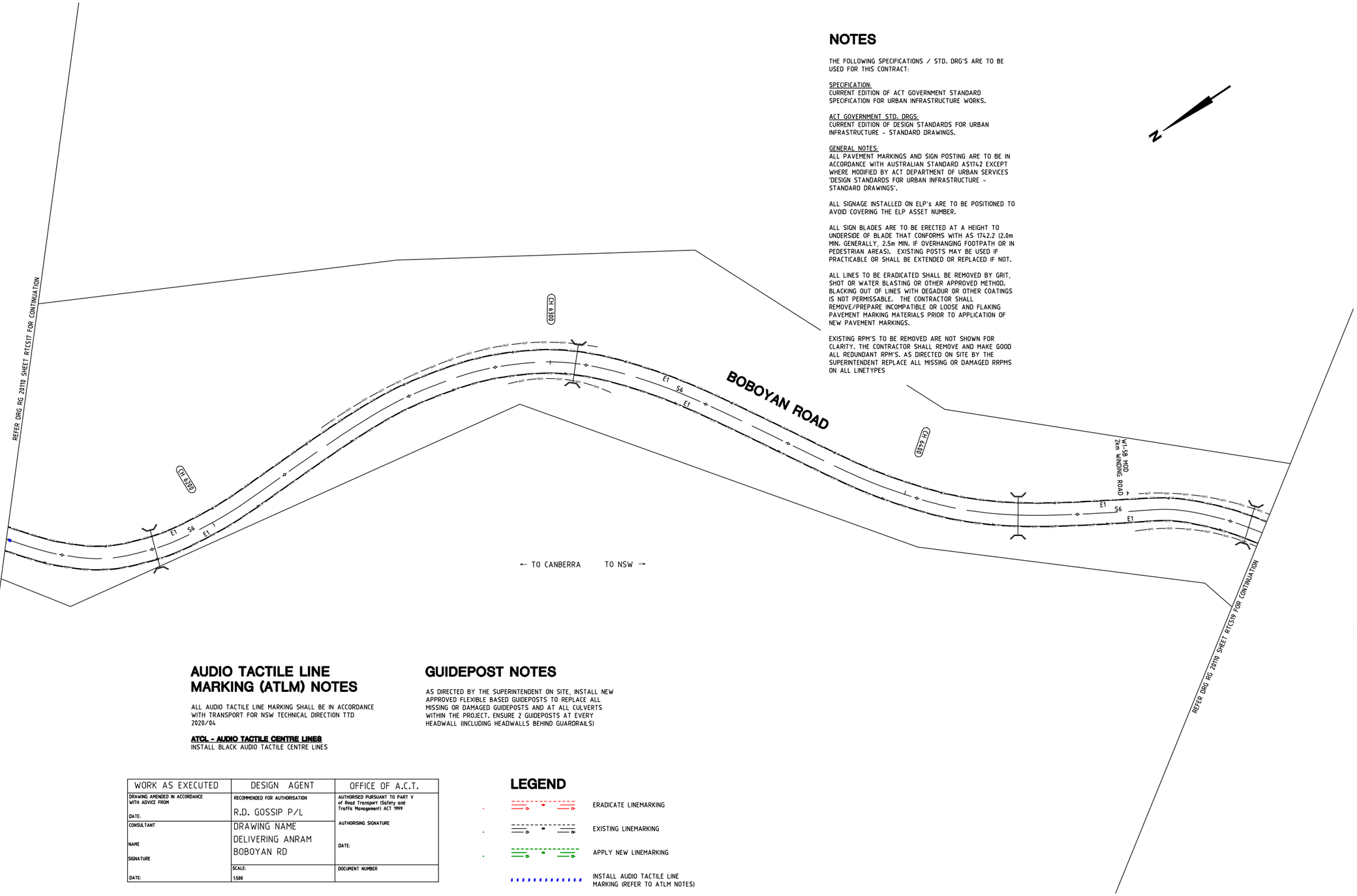
Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 17 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC517	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

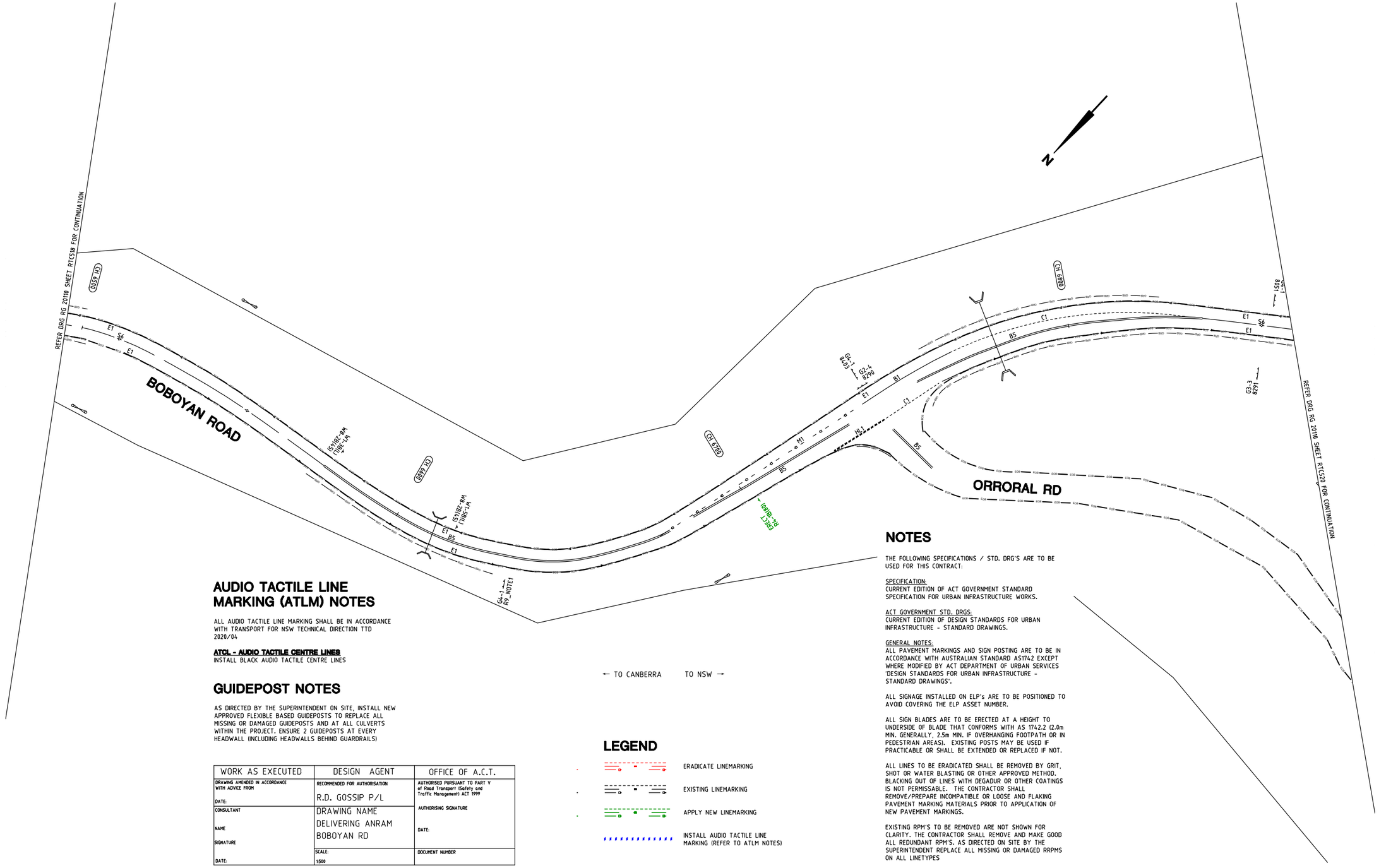
Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 18 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC518	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE: SCALE: 1:500 DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP'S ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: SCALE: A1 1:500, A3 1:1000 (0m 10m 20m 30m 40m)

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 128, 12 Provan Street, Campbell ACT 2612, Ph: 02 6251 6313

Designed by | Drawn by | Checked by | Approved by

Client: Project Officer: Kencho Choden; Project Number: 30490; ACT Government

Project: DELIVERING ANRAM

Date: 23/09/21

Drawing Title: BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 19 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC519	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Baboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

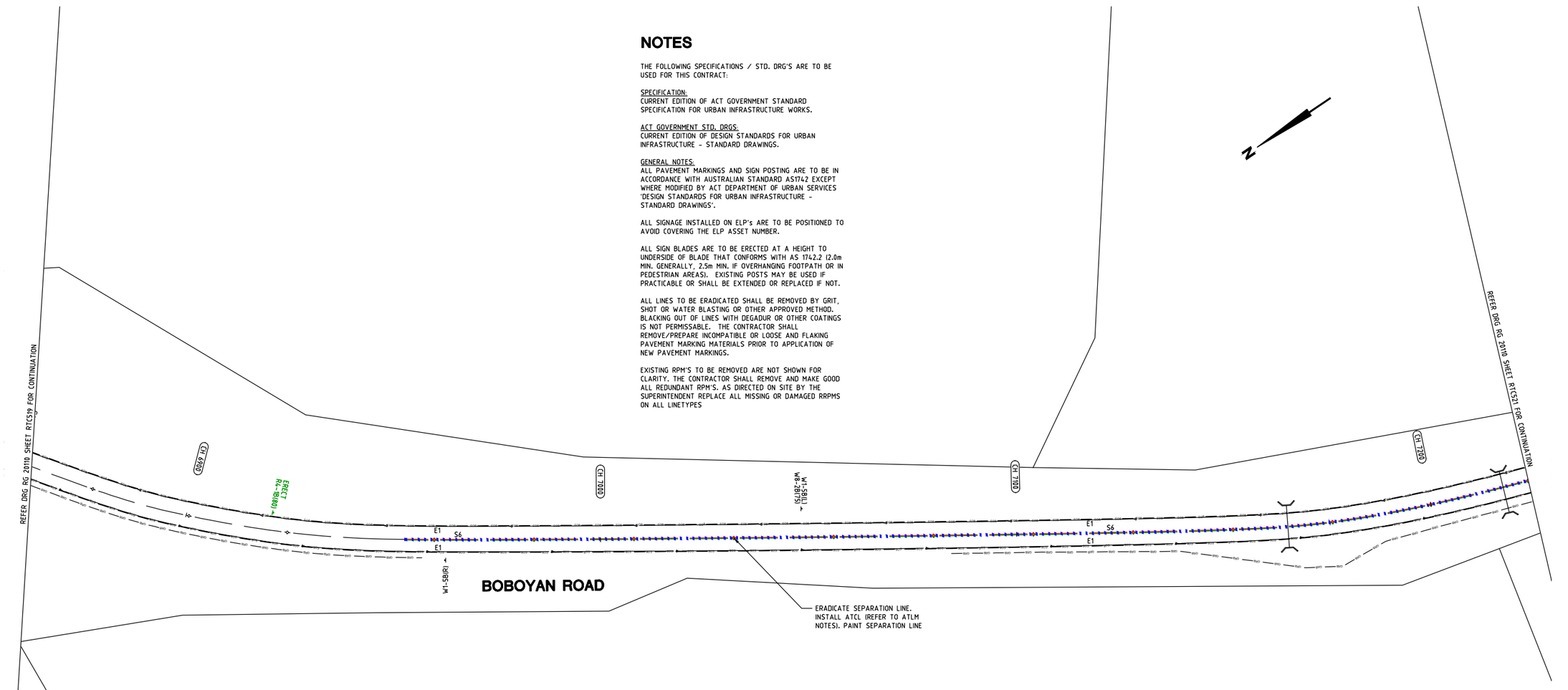
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

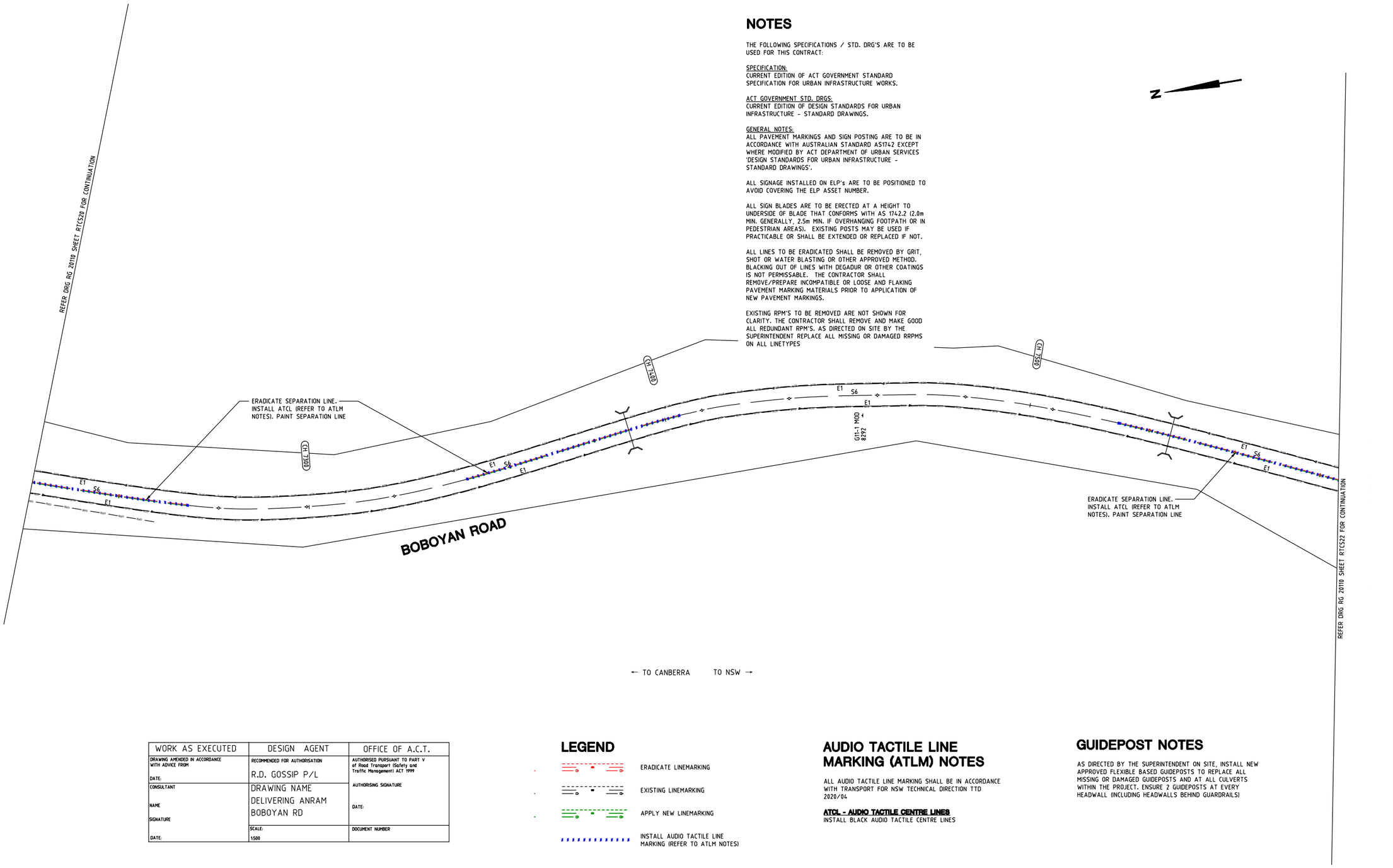
Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 20 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC520	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 21 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC521	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

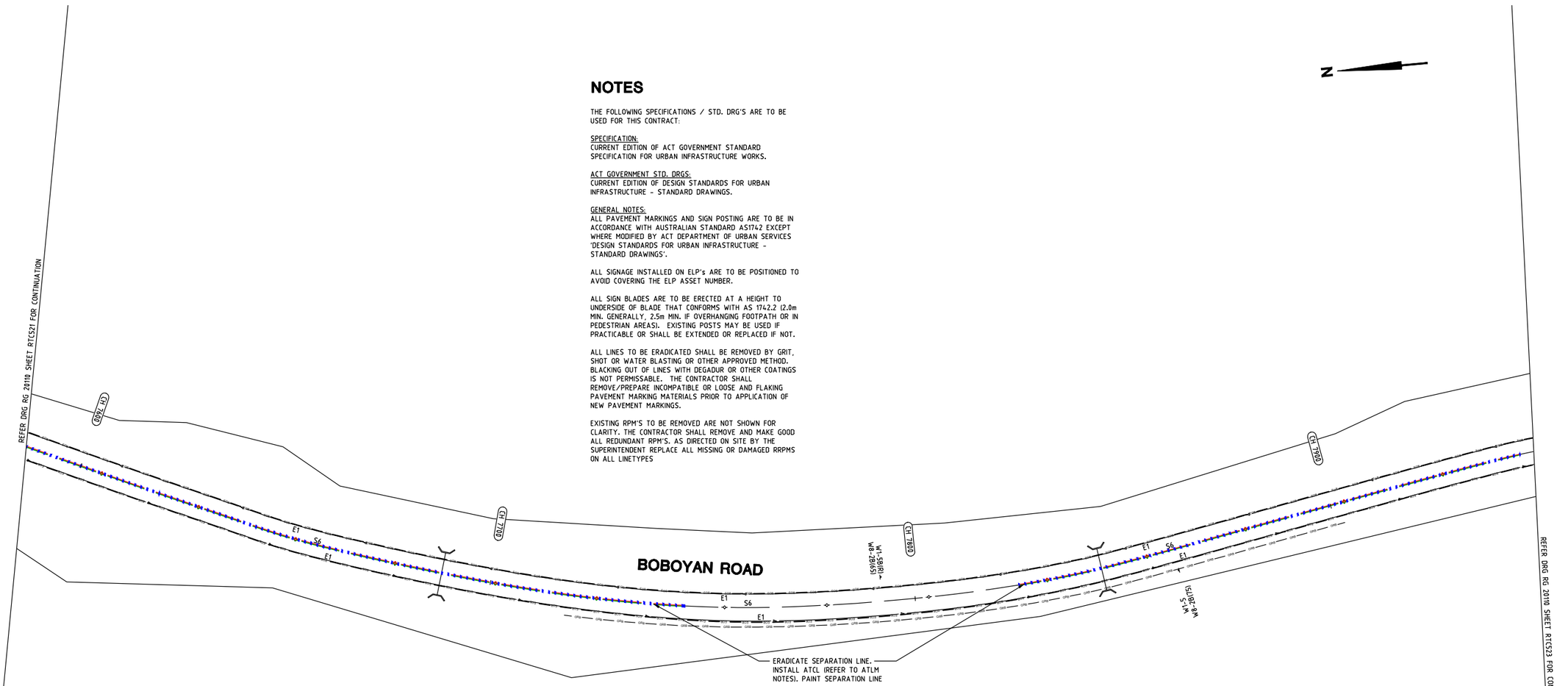
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

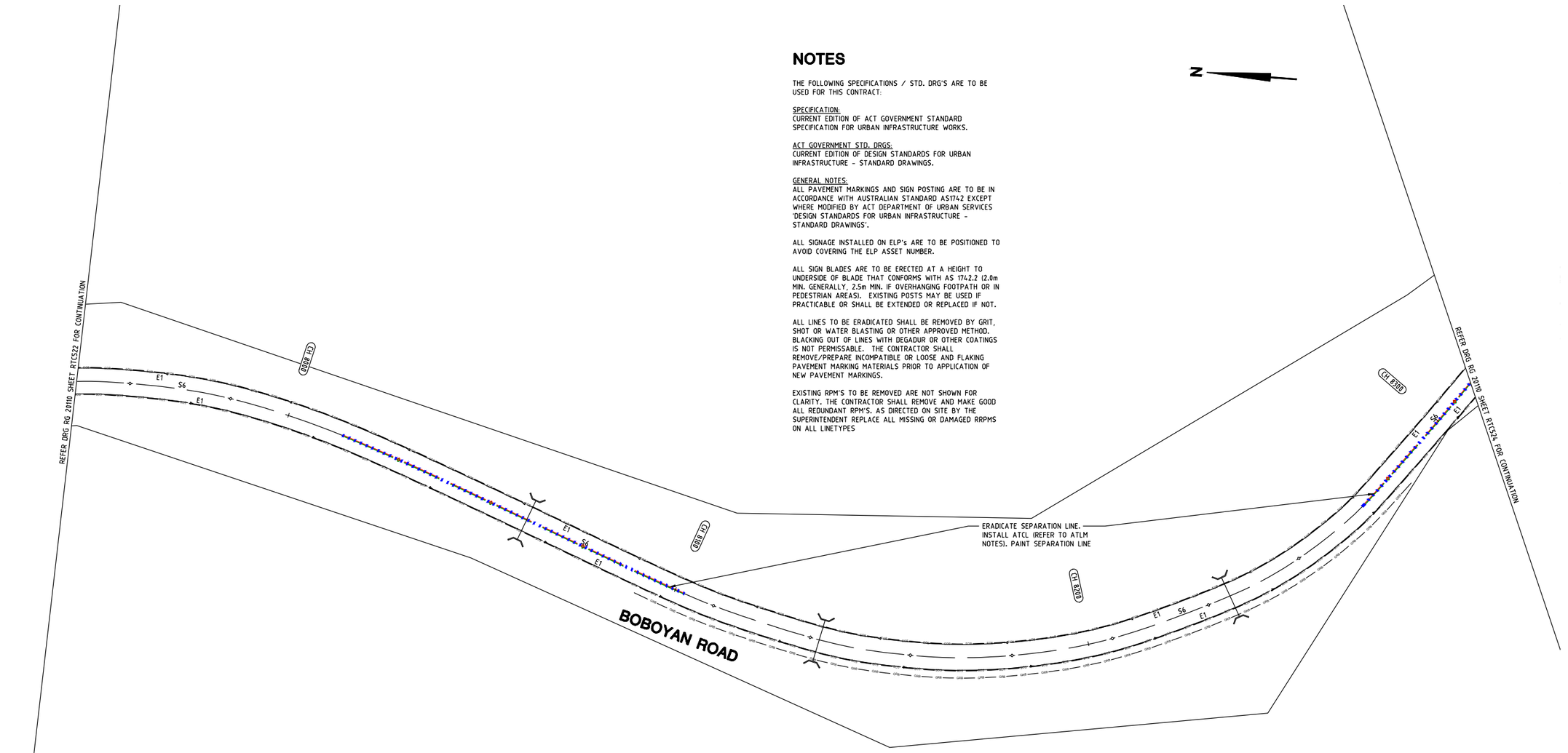
Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 22 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC522	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 23 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC523	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

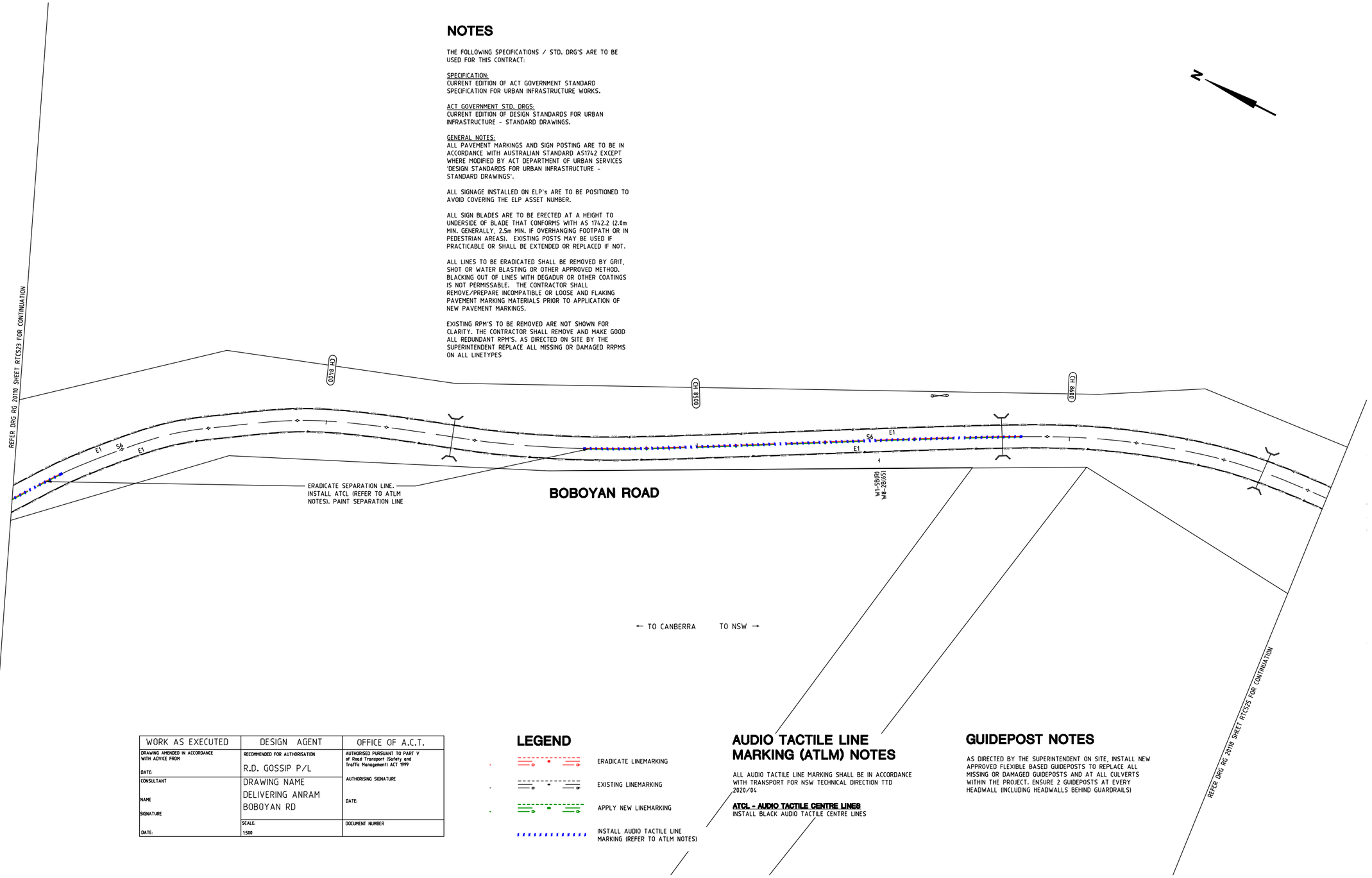
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 124, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

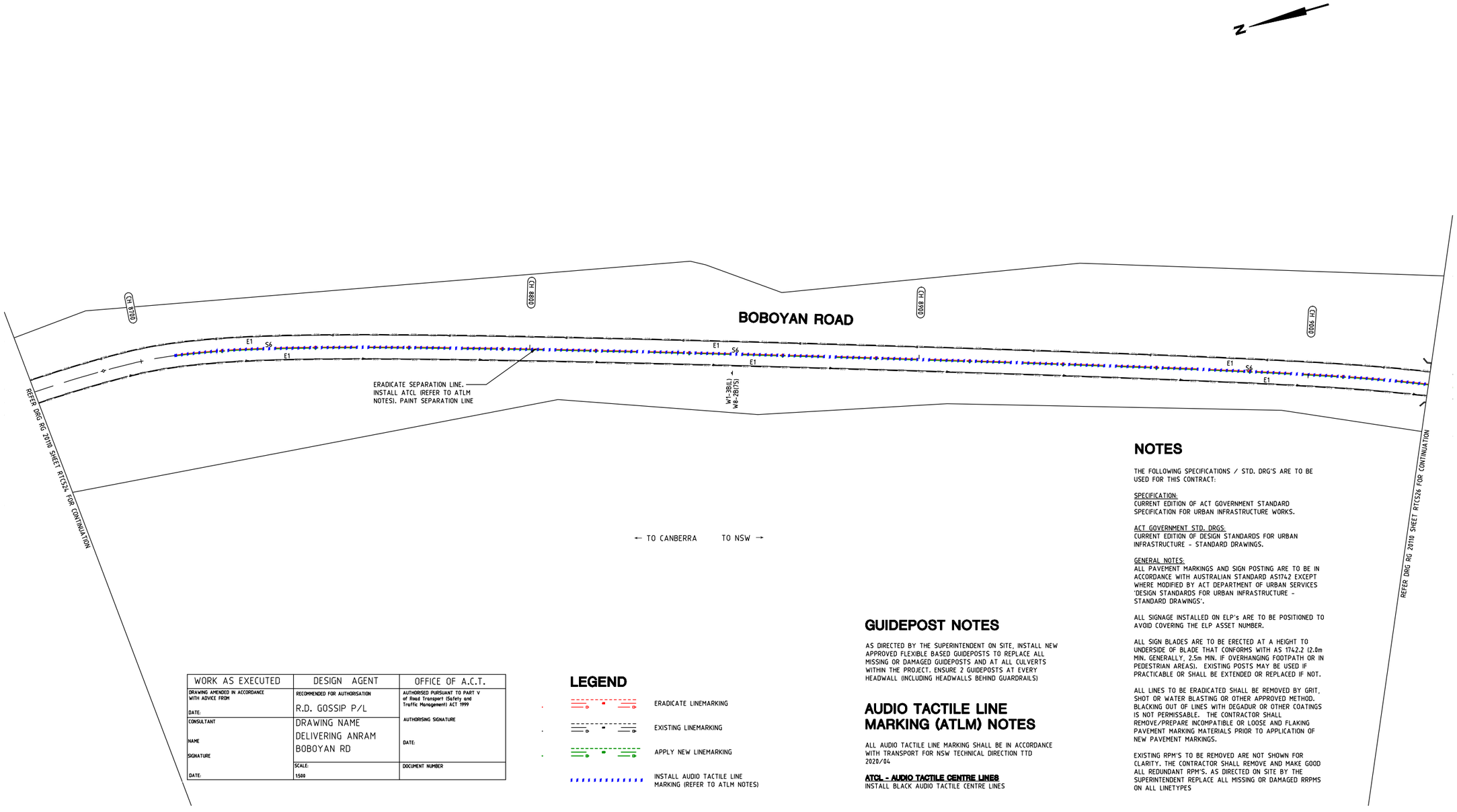
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 24 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC524	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

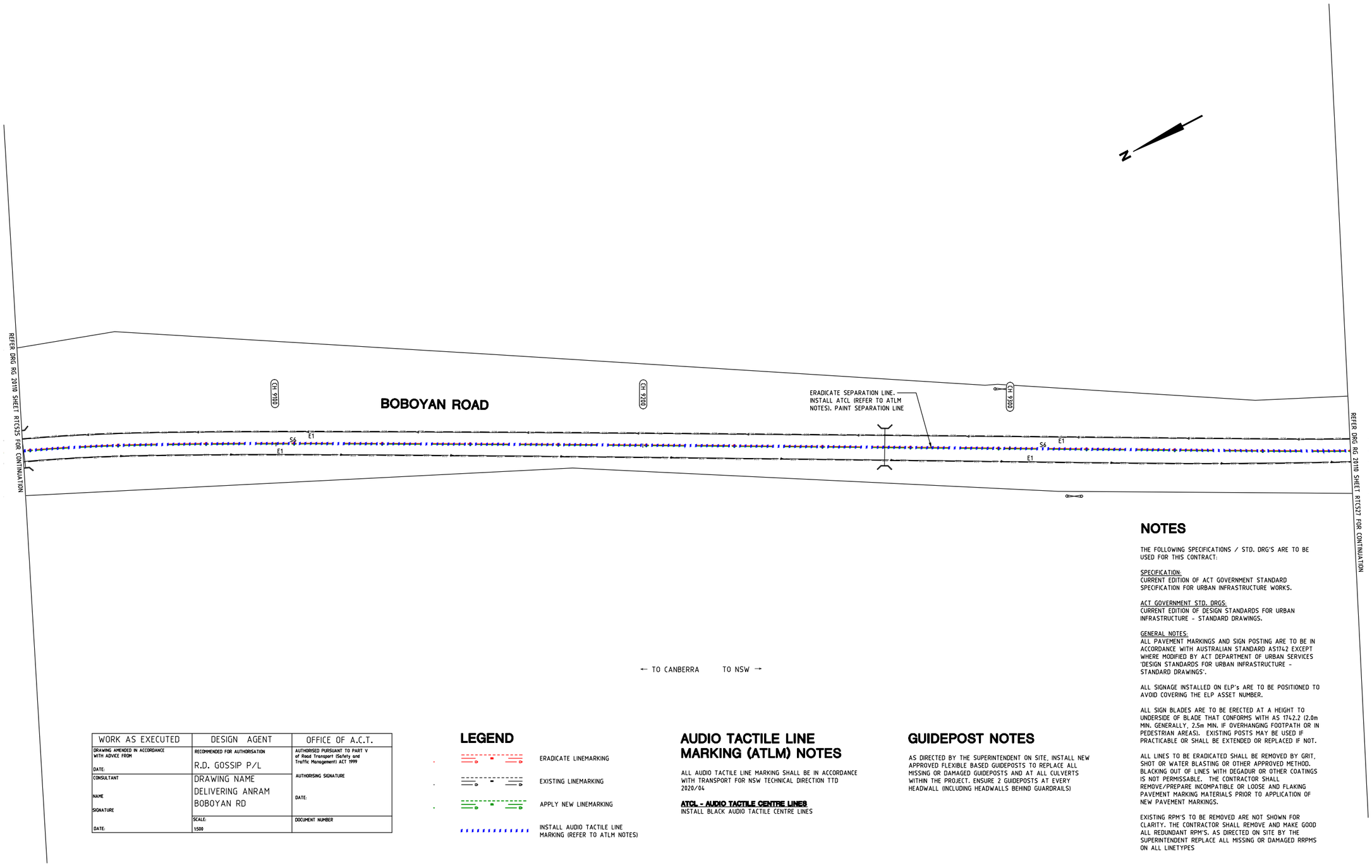
Project
DELIVERING ANRAM
Date 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 25 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC525	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
DATE:	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

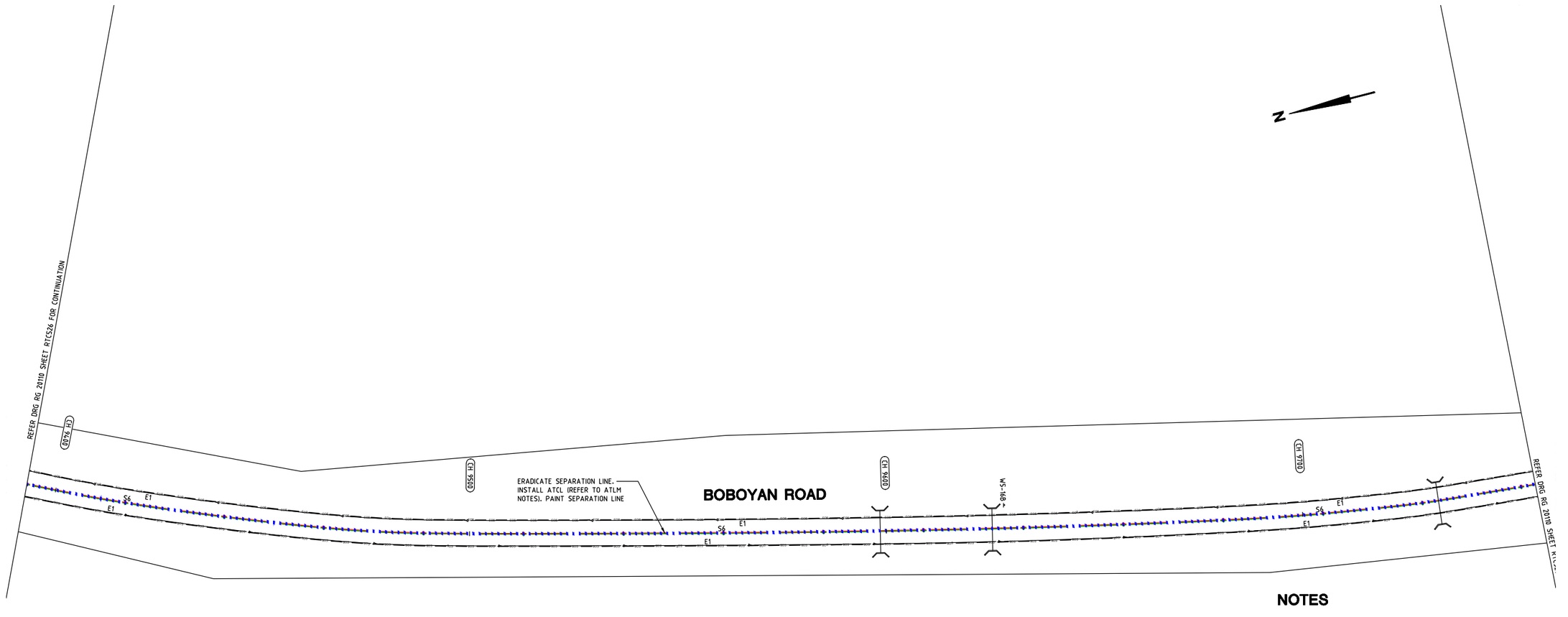
Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 26 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC526	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 27 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC527	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

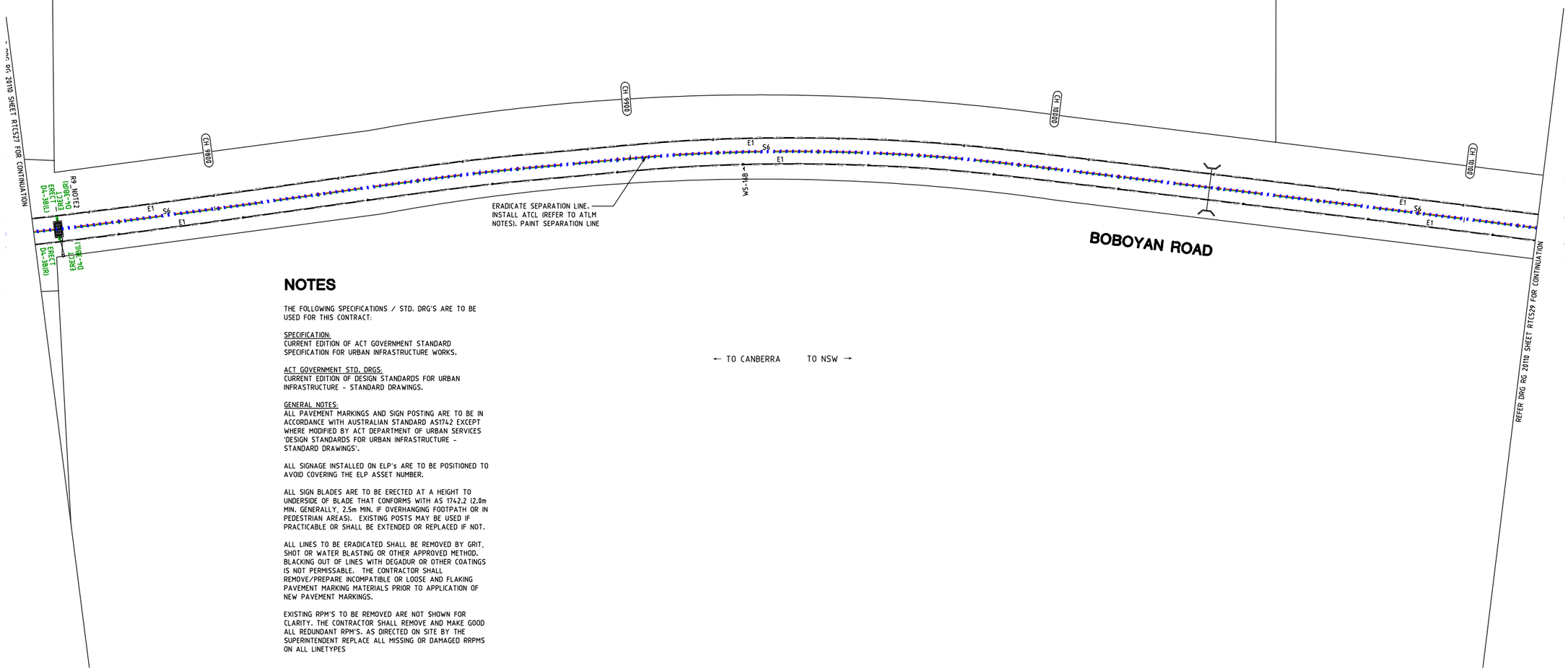
GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE: DOCUMENT NUMBER
	SCALE: 1:500	



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

← TO CANBERRA TO NSW →

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
D4-3	WIDTH MARKER	L,R	B	2,2
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 28 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC528	0

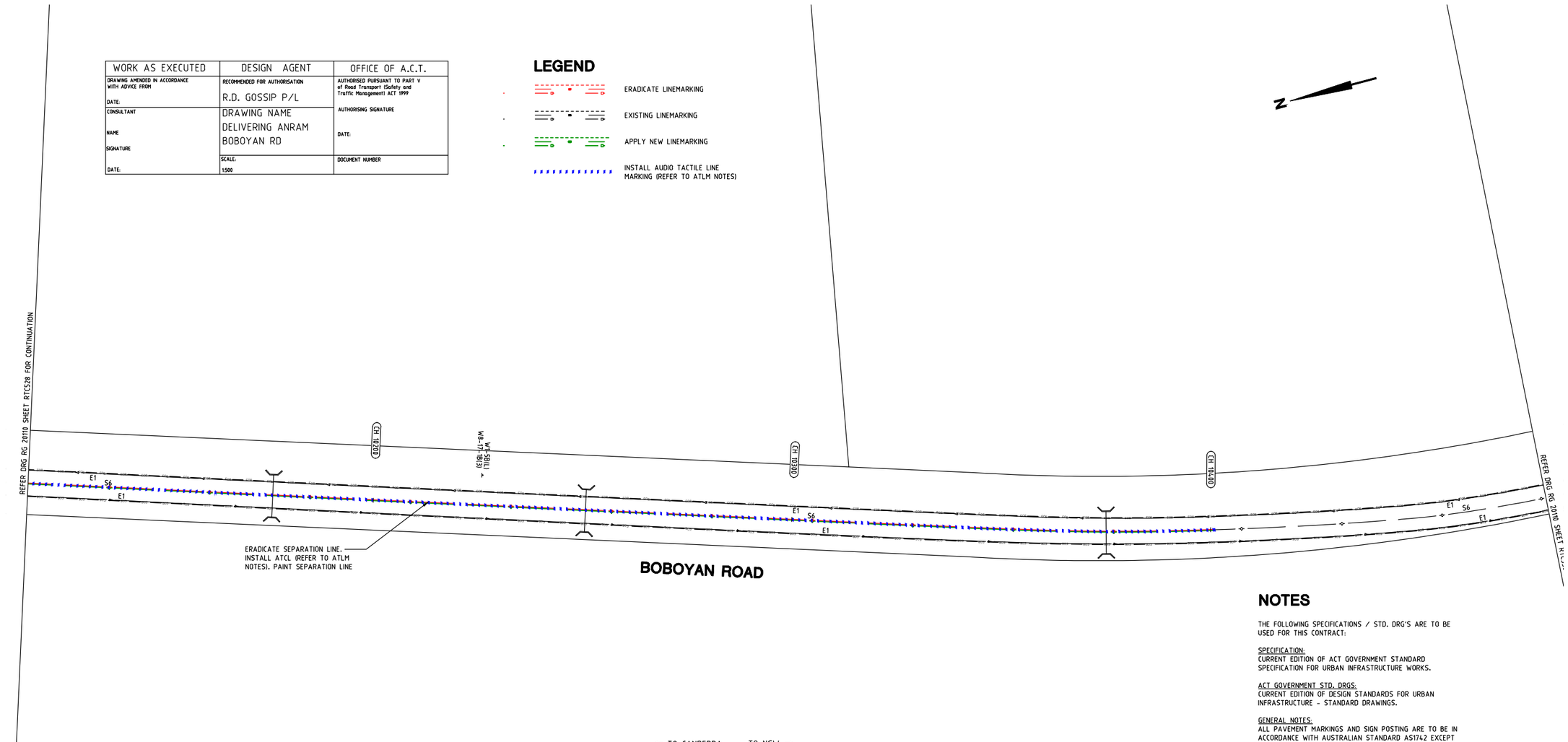
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE: SCALE: 1:500
		DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 124, 12 Provan Street, Campbell ACT 2612, Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM
Date: 23/09/21

Drawing Title: BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 29 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC529	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

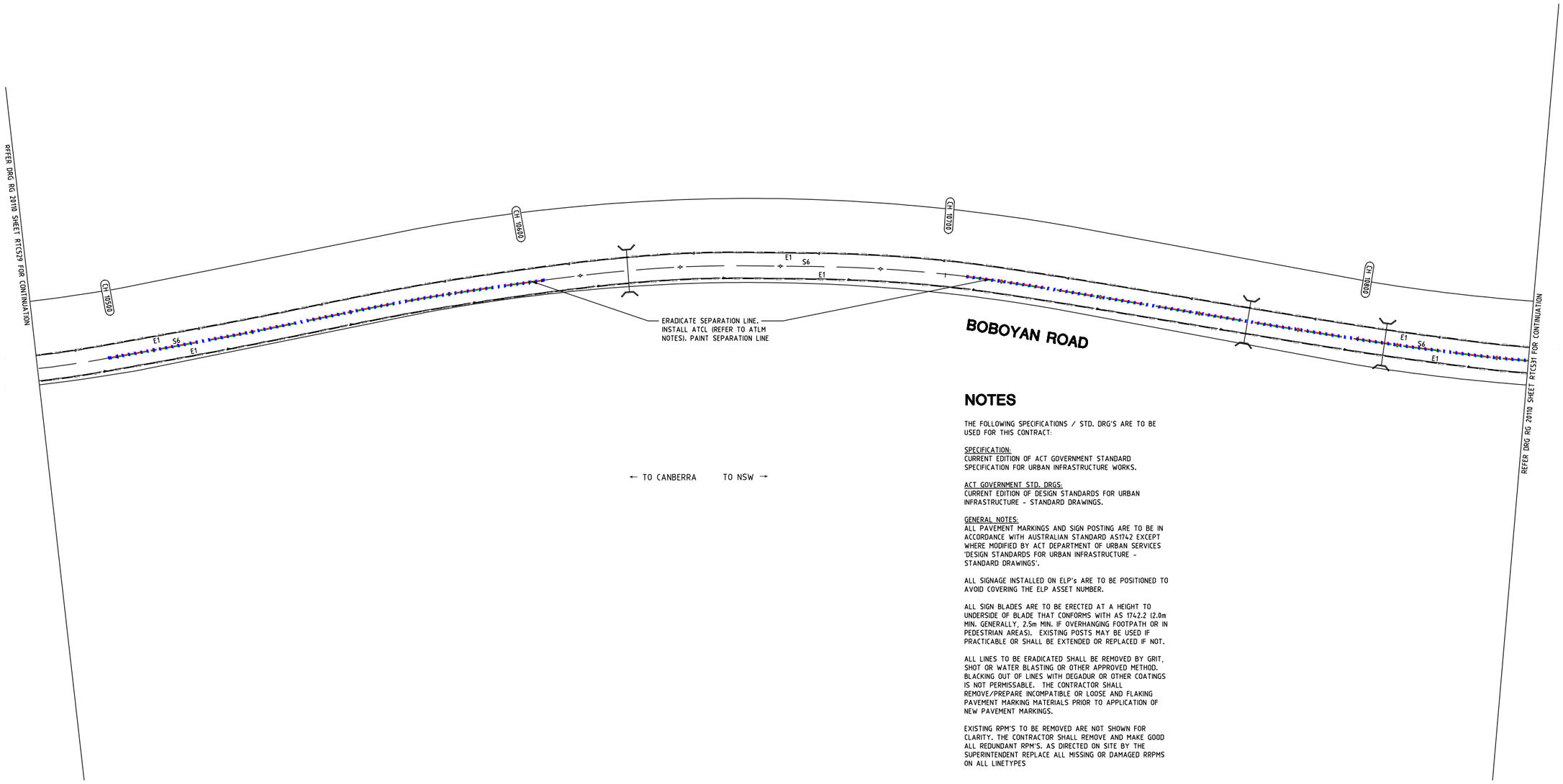
ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

N



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 23/09/21

Drawing Title

BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 30 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC530	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

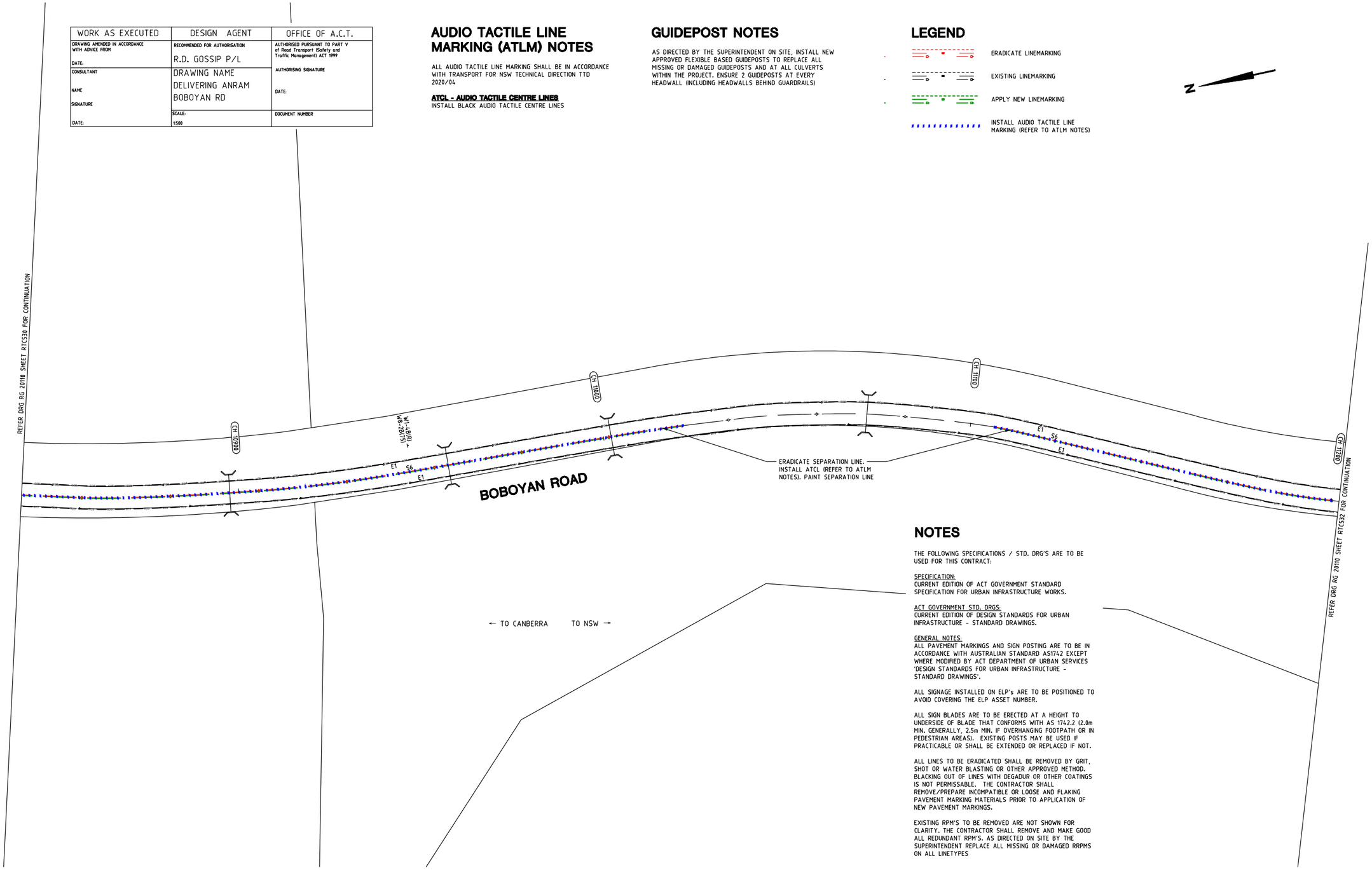
ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 31 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC531	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

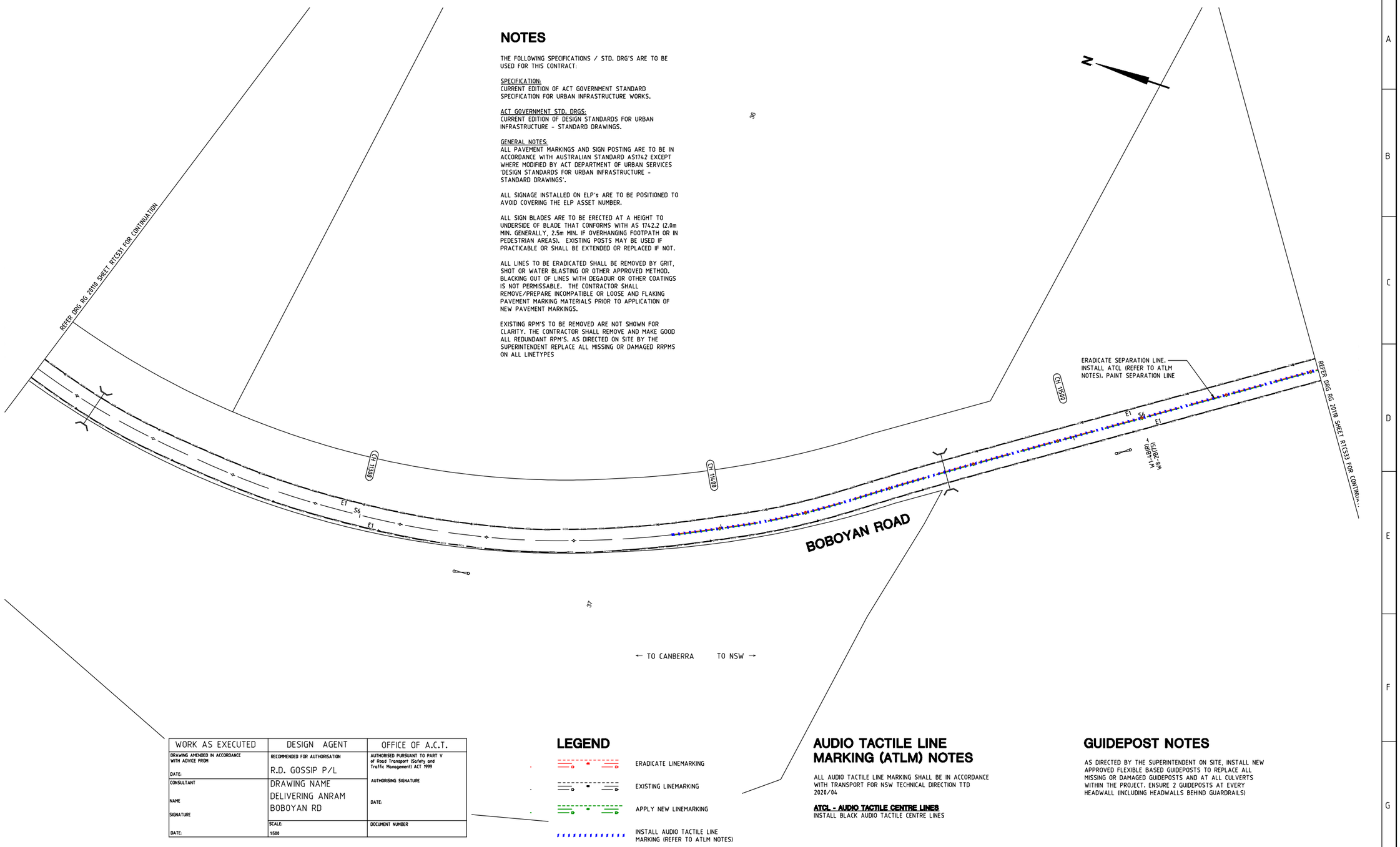
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 32 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC532	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

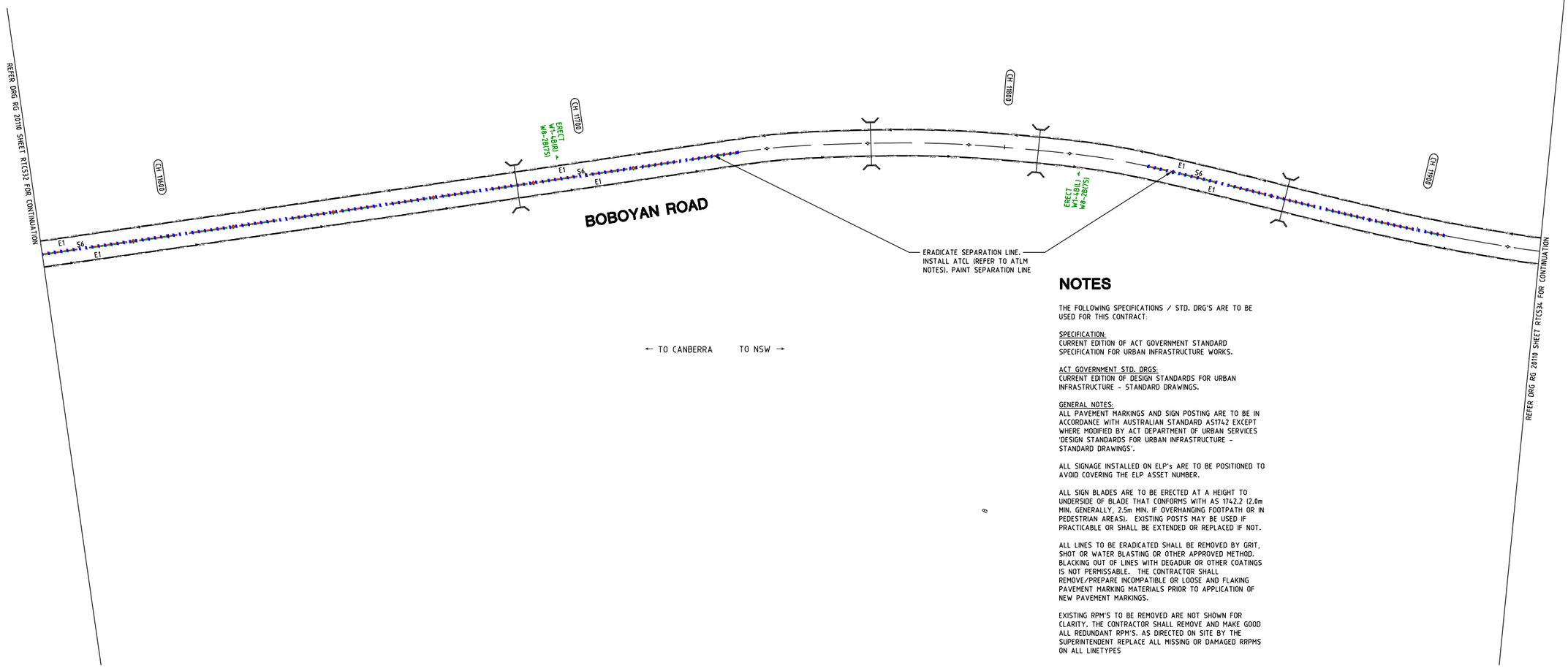
GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES.
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-4	REVERSE CURVE	L,R	B	1,1
W8-2	ADVISORY SPEED (75)	-	B	2
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 33 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC533	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

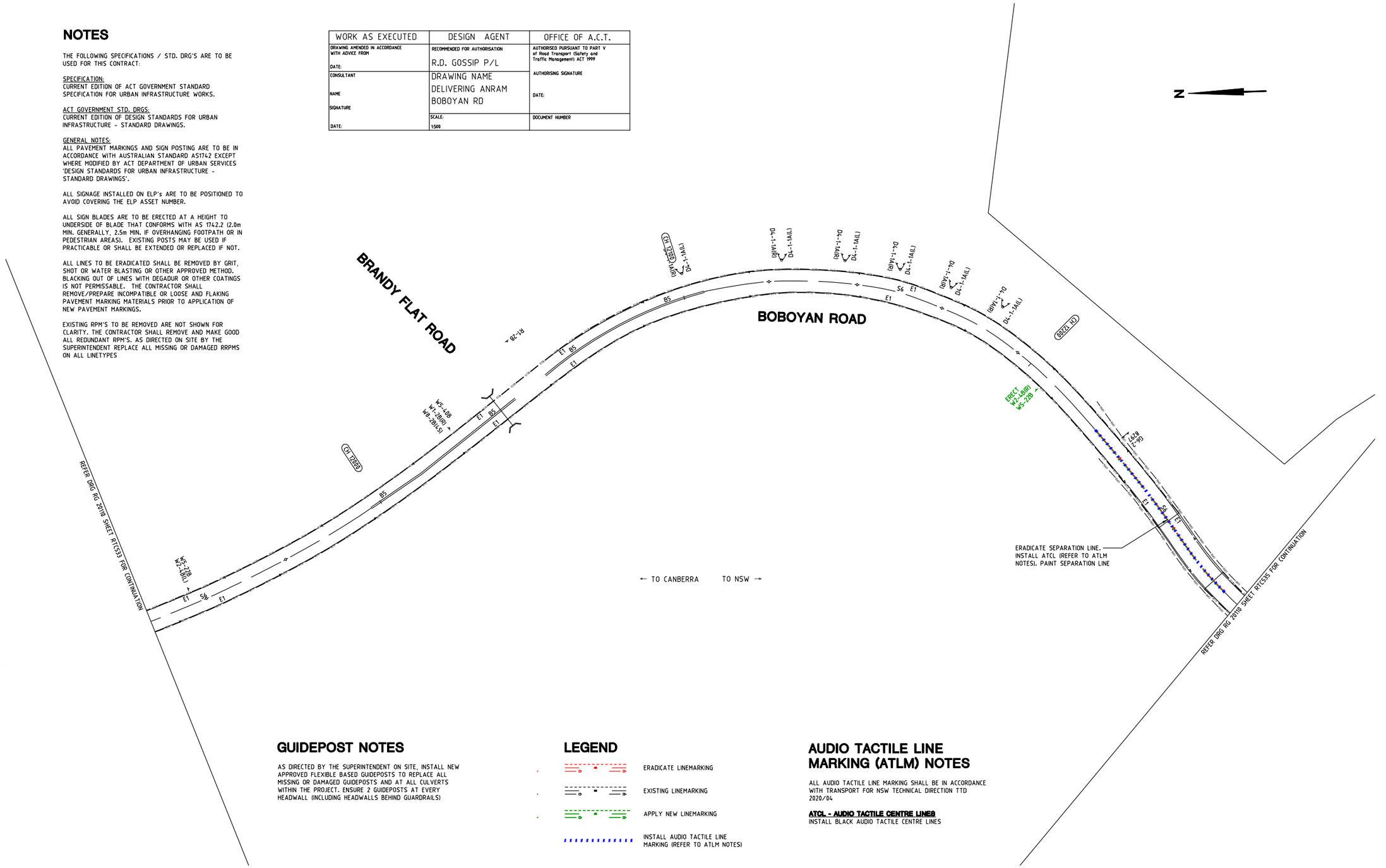
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W2-4	SIDE ROAD INTERSECTION, STRAIGHT	R	B	1
W5-22	TRUCKS	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 34 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC534	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

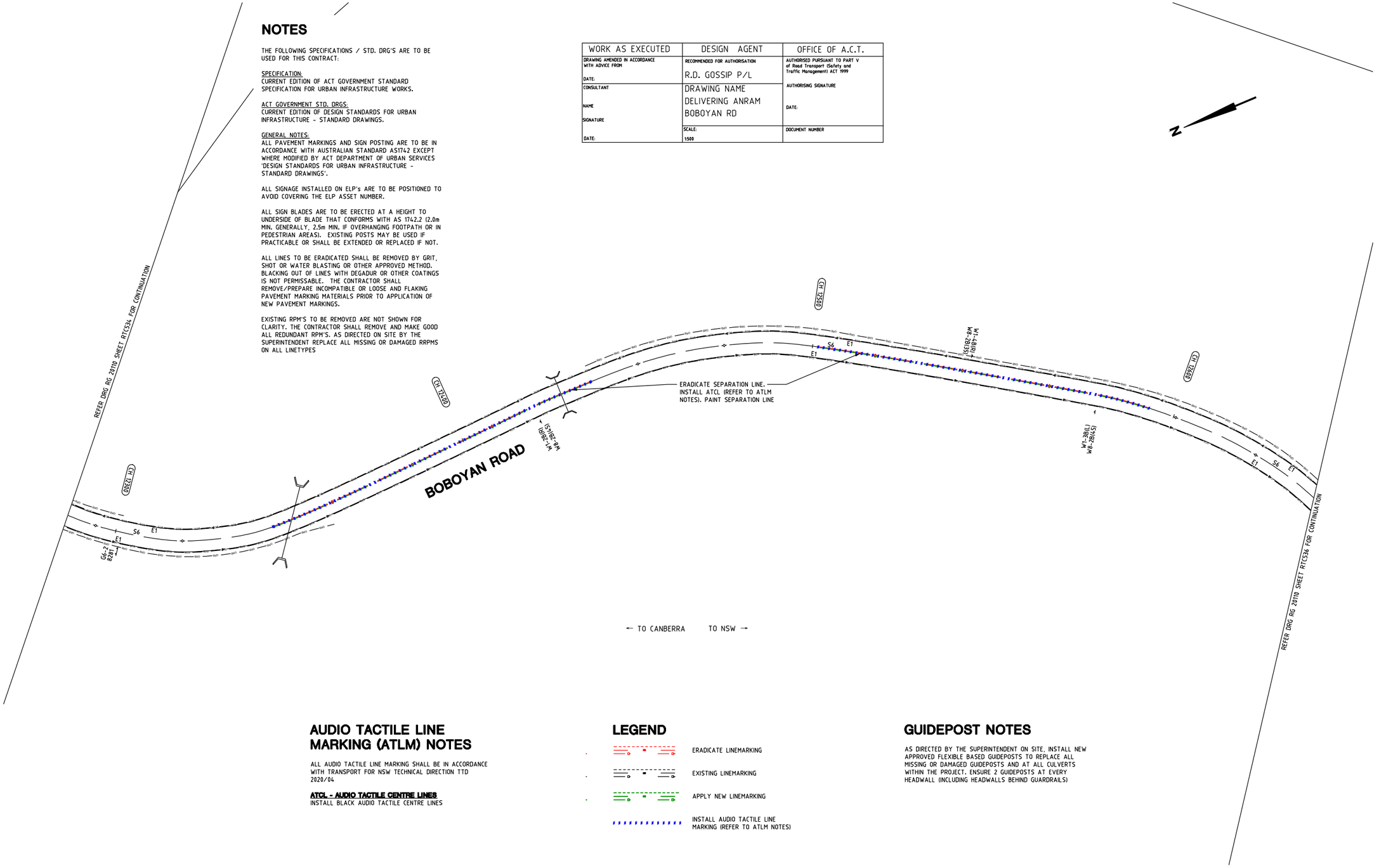
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 23/09/21

Drawing Title

BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 35 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC535	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

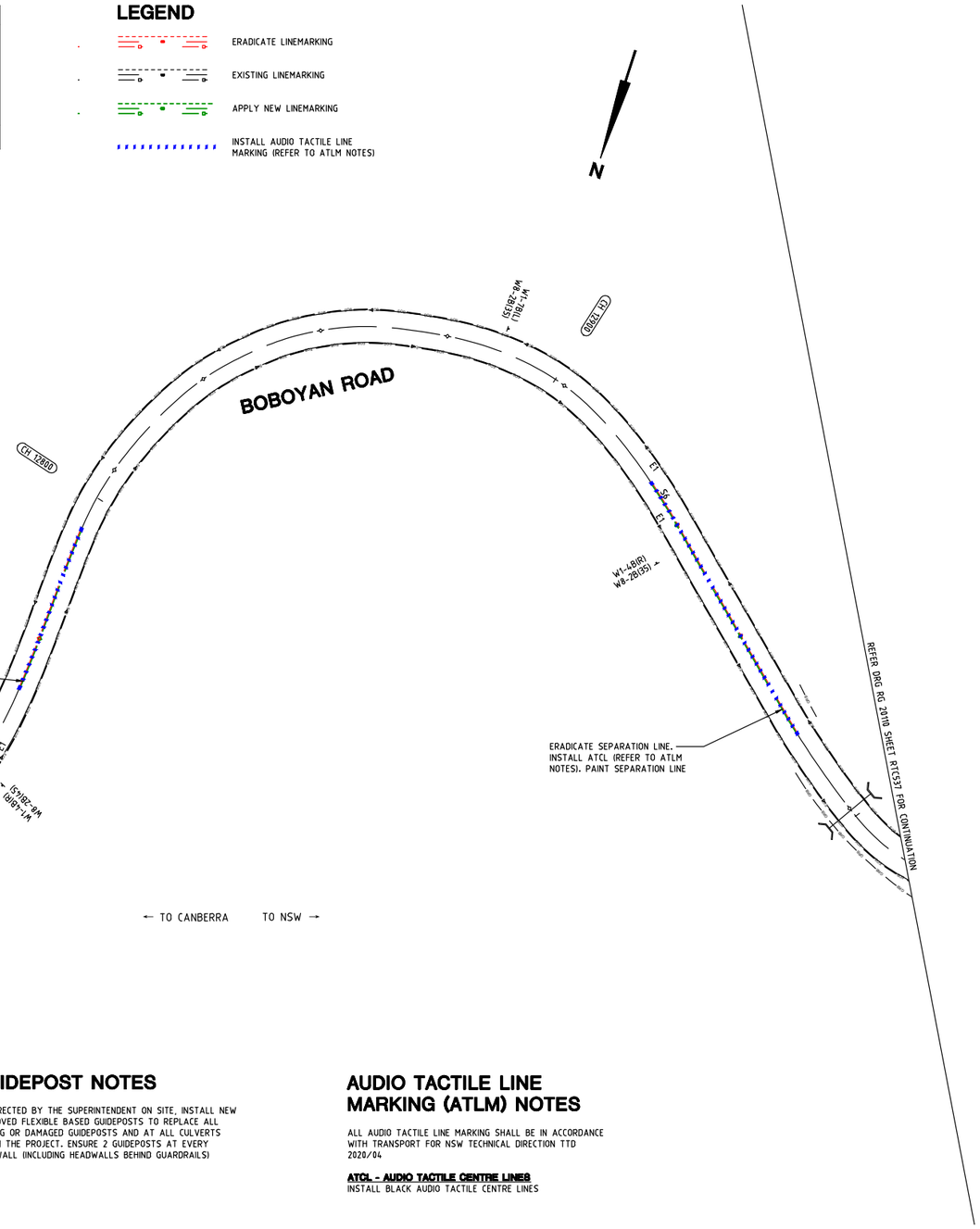
ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE: DOCUMENT NUMBER
	SCALE: 1:500	

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-4	REVERSE CURVE	R	B	1
W8-2	ADVISORY SPEED (35)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

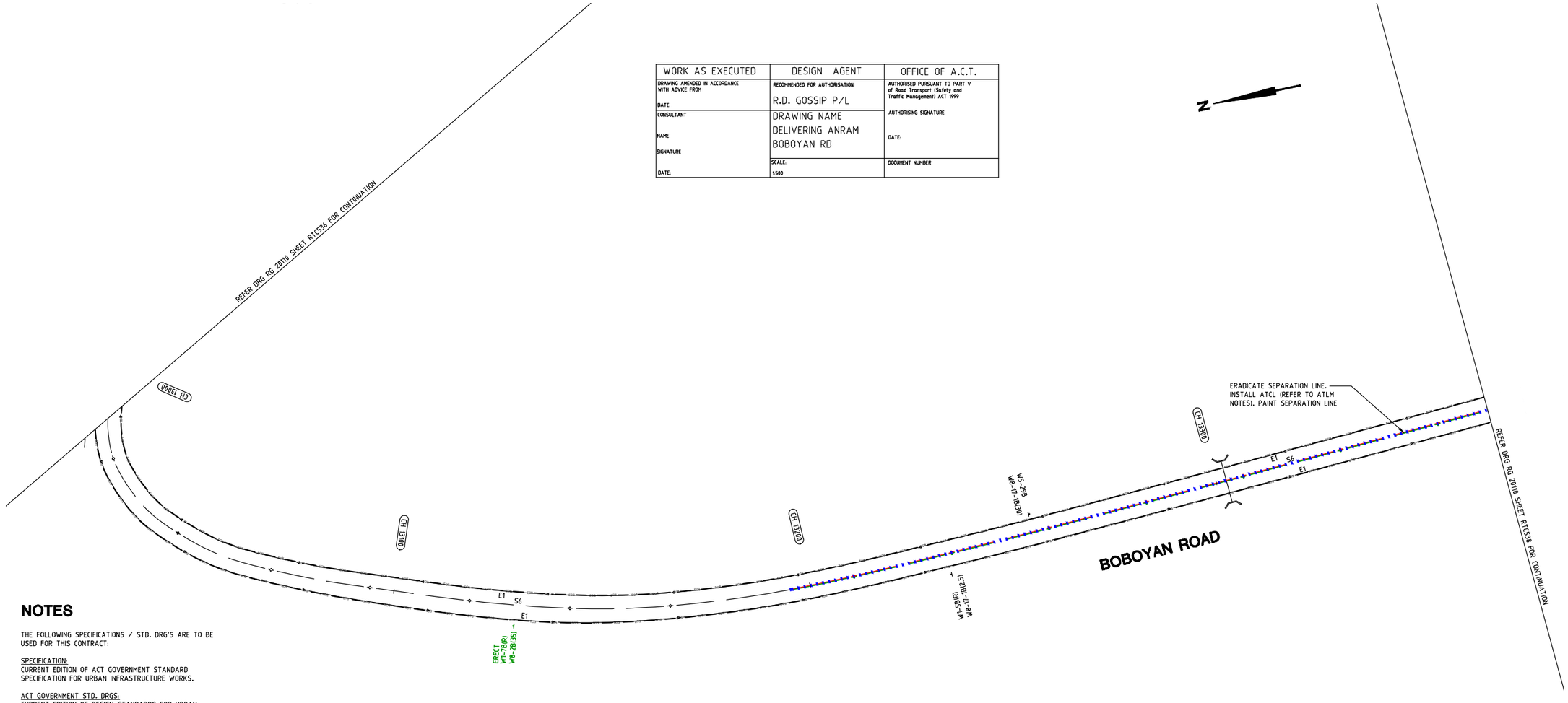
Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 36 OF 57

Date	Drg. No.	Sheet	Revision
23/09/21	RG 20110	RTC536	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Baboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-7	HAIRPIN BEND	R	B	1
W8-2	ADVISORY SPEED (35)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by LG
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date 23/09/21

Drawing Title

BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 37 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC537	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

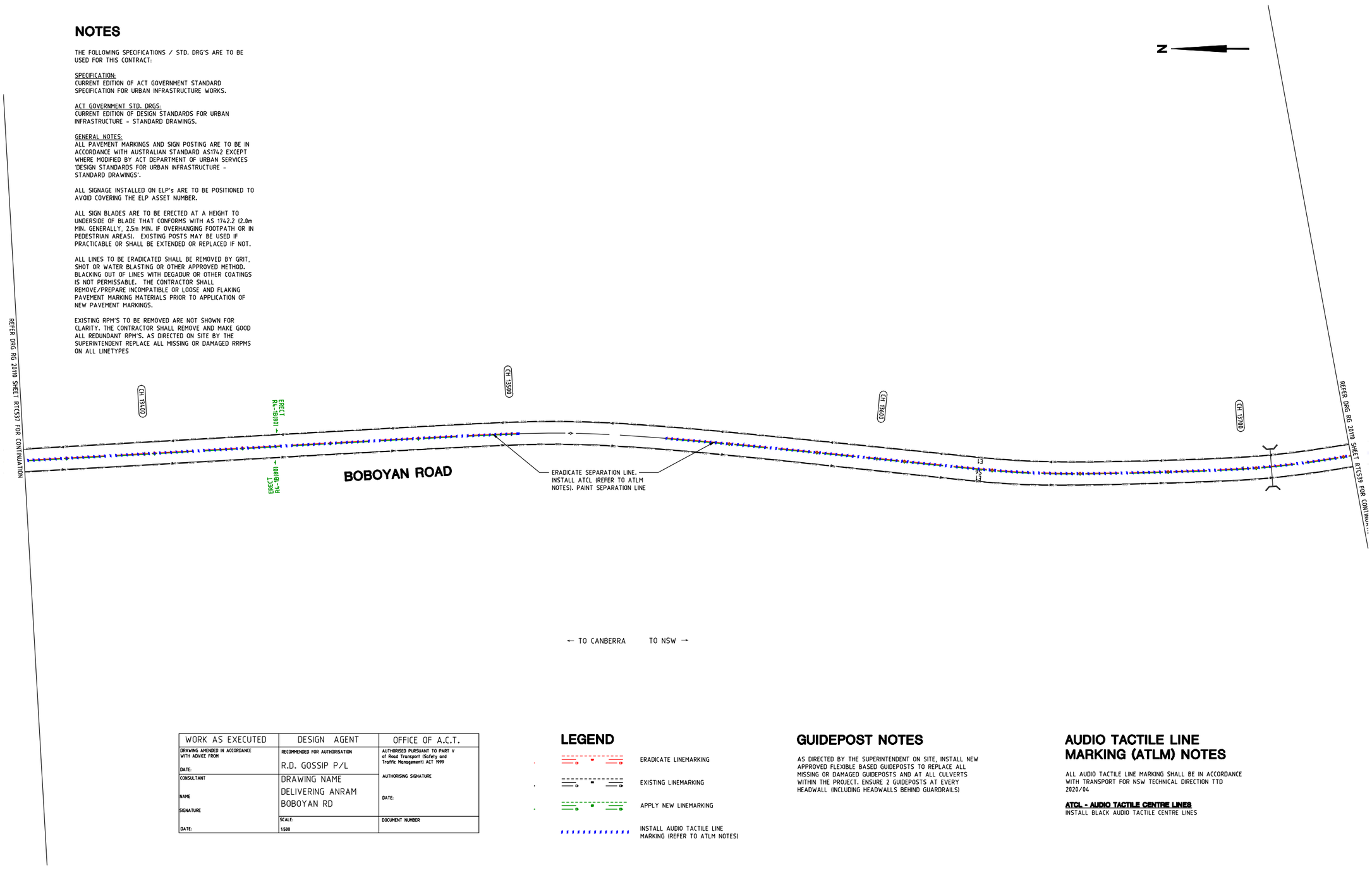
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S, AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	2
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 38 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC538	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

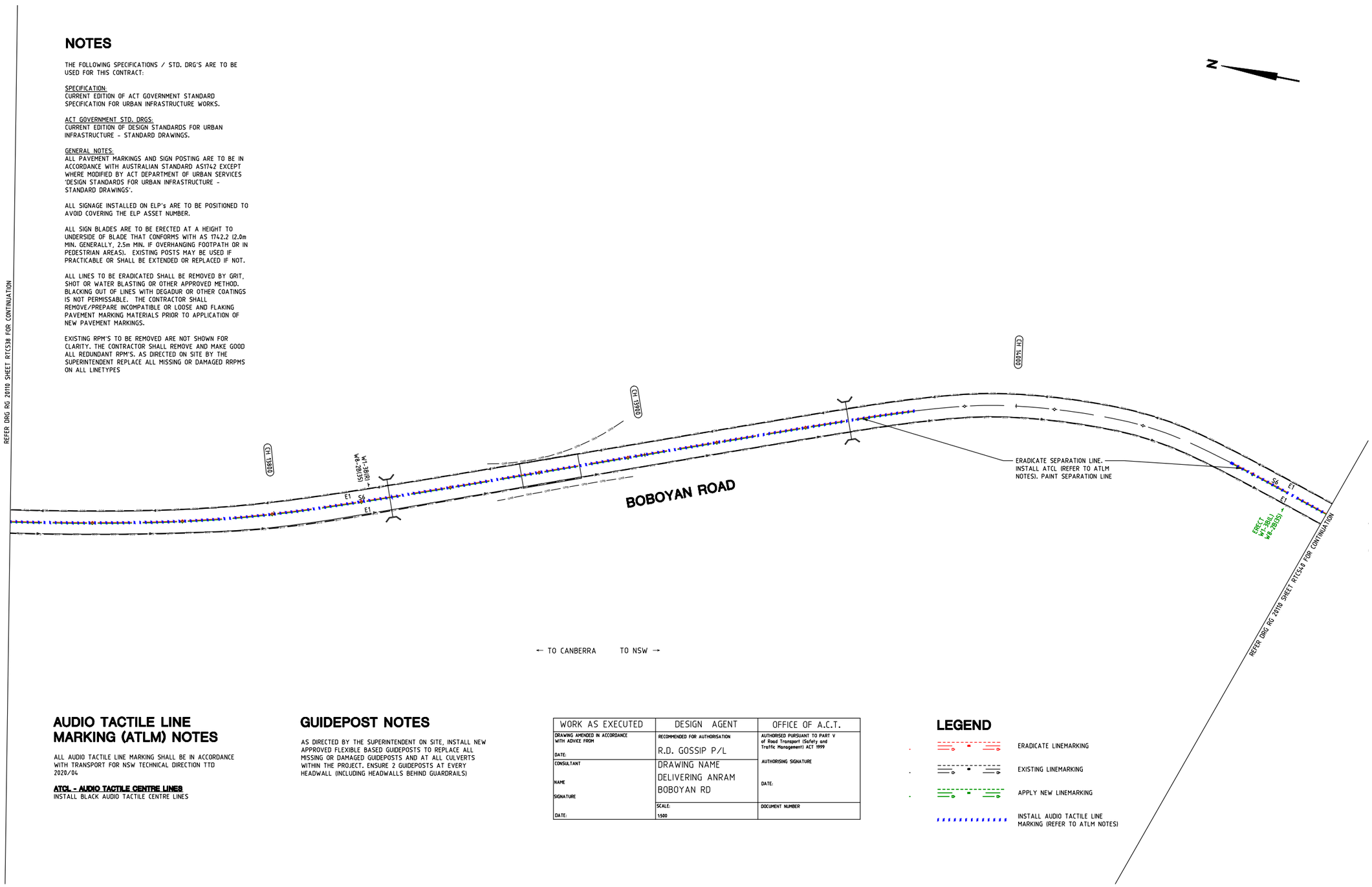
GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-3	CURVE	L	B	1
W8-2	ADVISORY SPEED (35)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

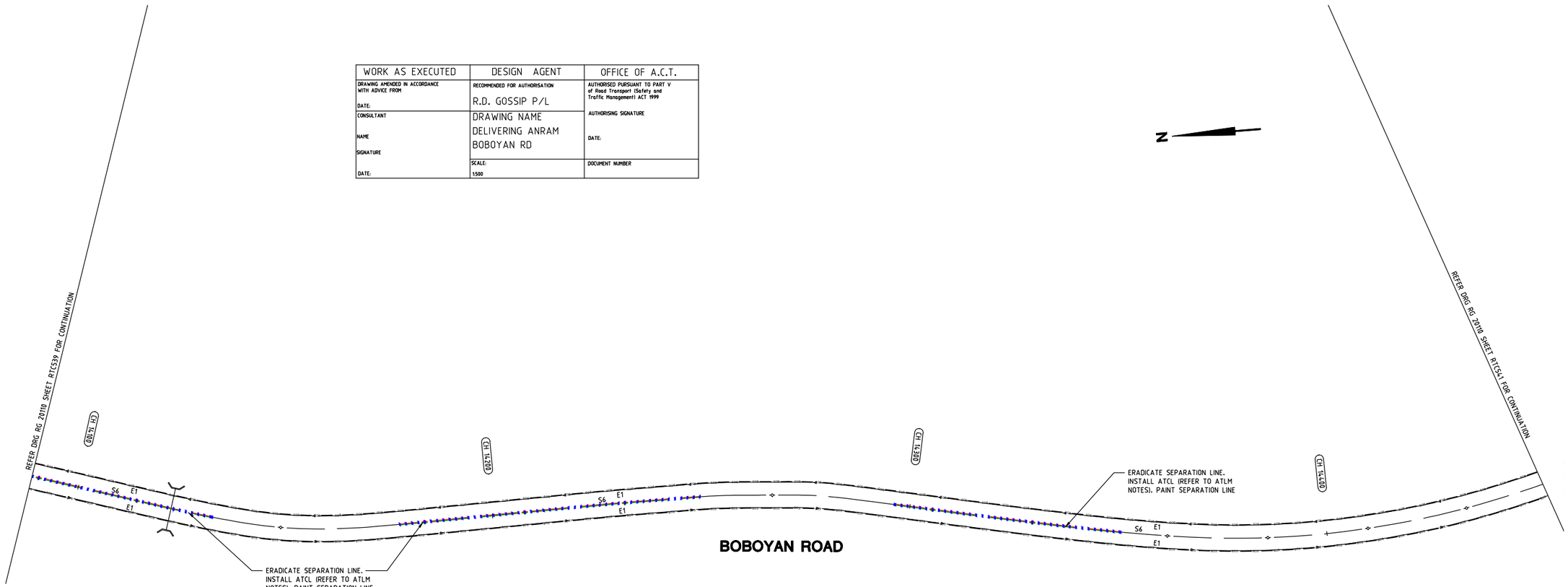
Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 39 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC539	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

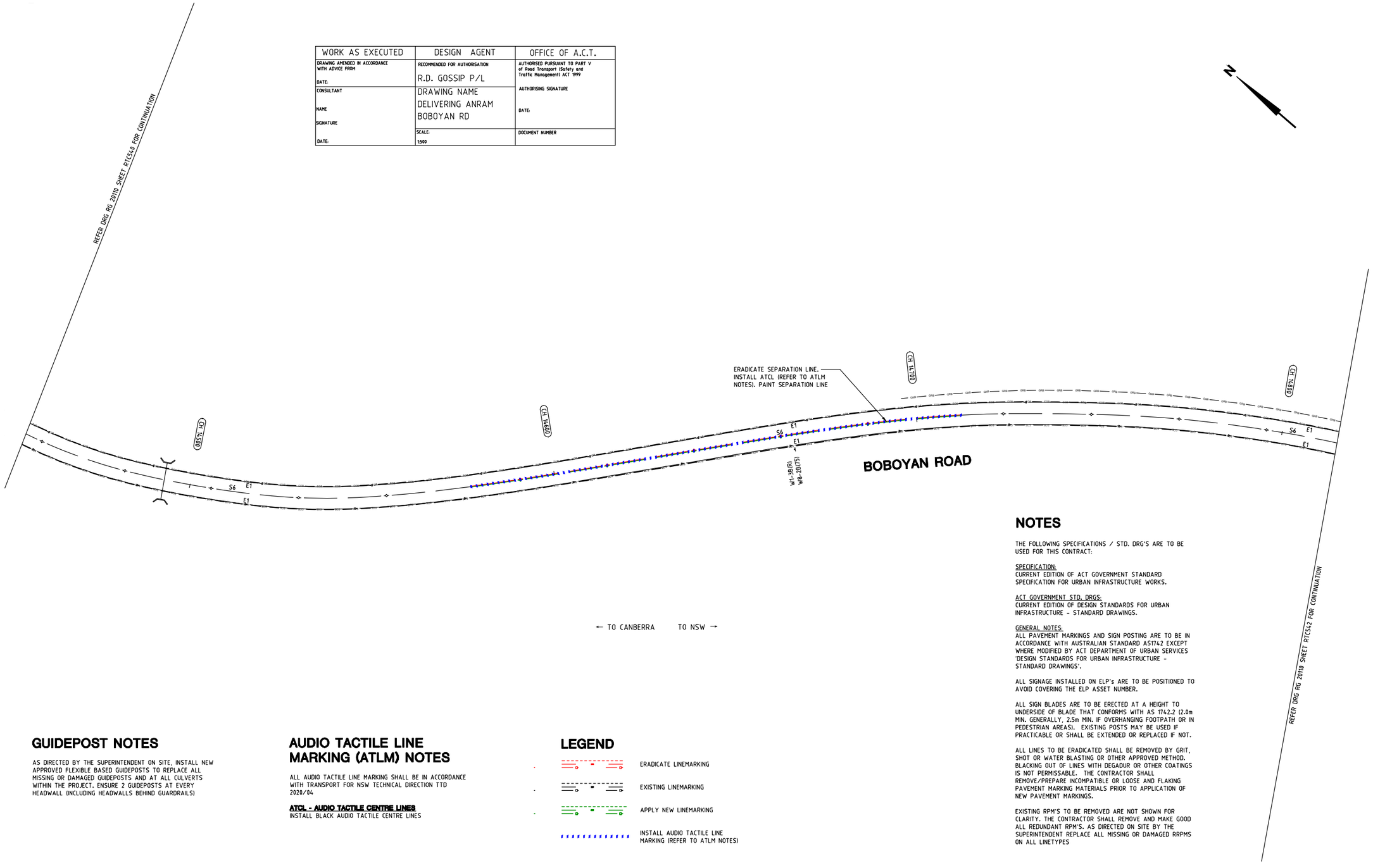
Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 40 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC540	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

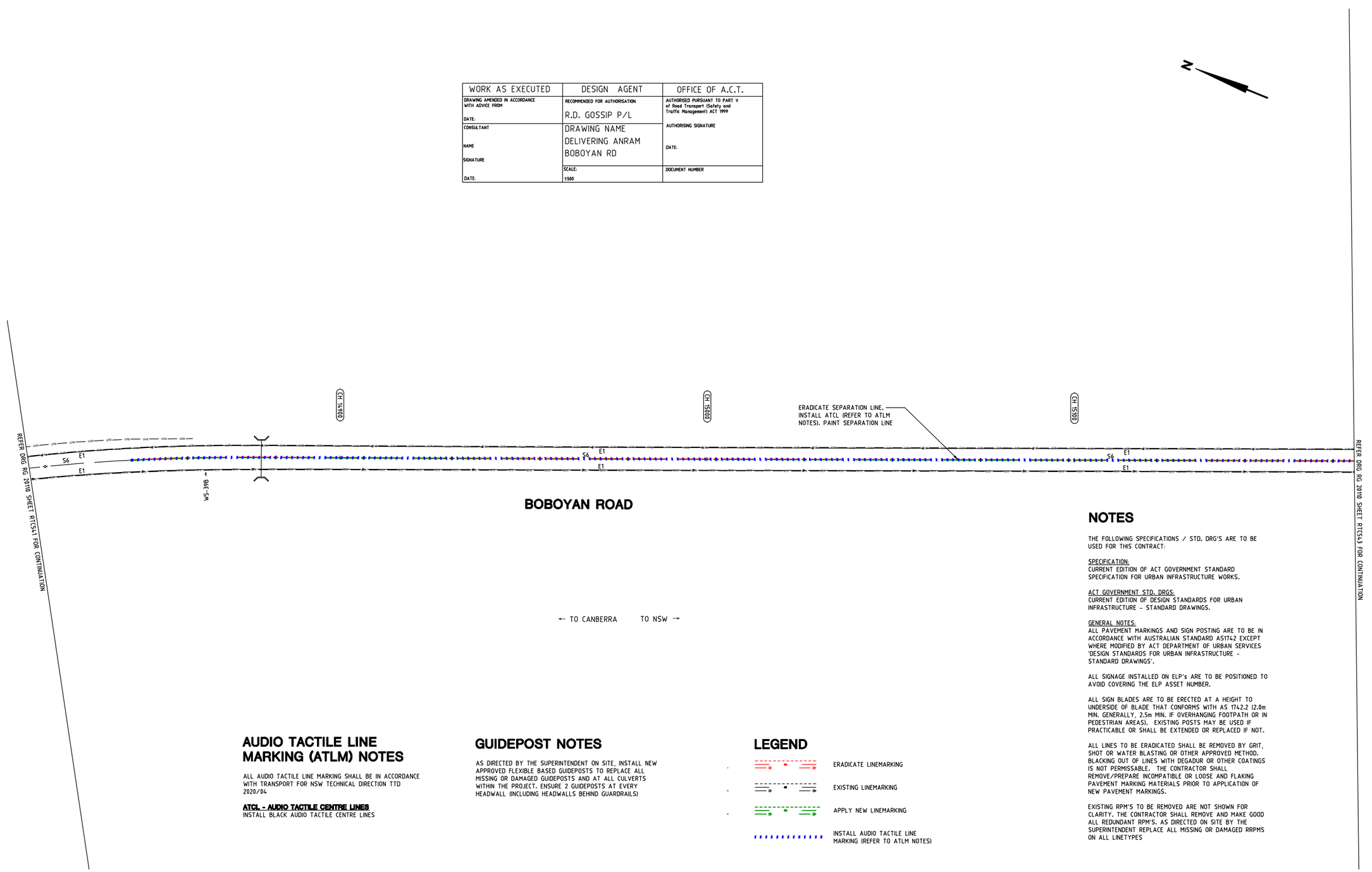
Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 41 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC541	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 42 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC542	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

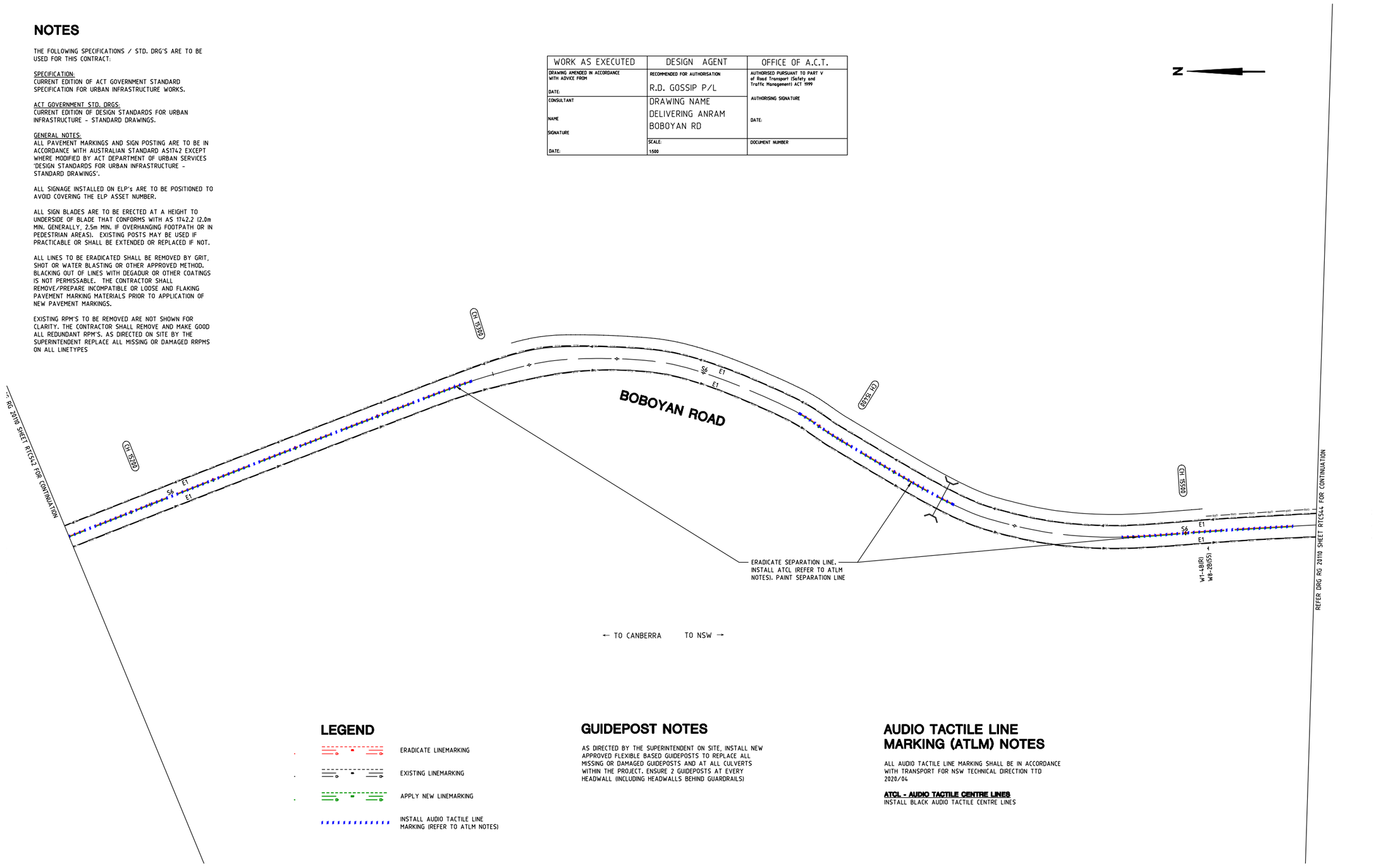
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 43 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC543	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

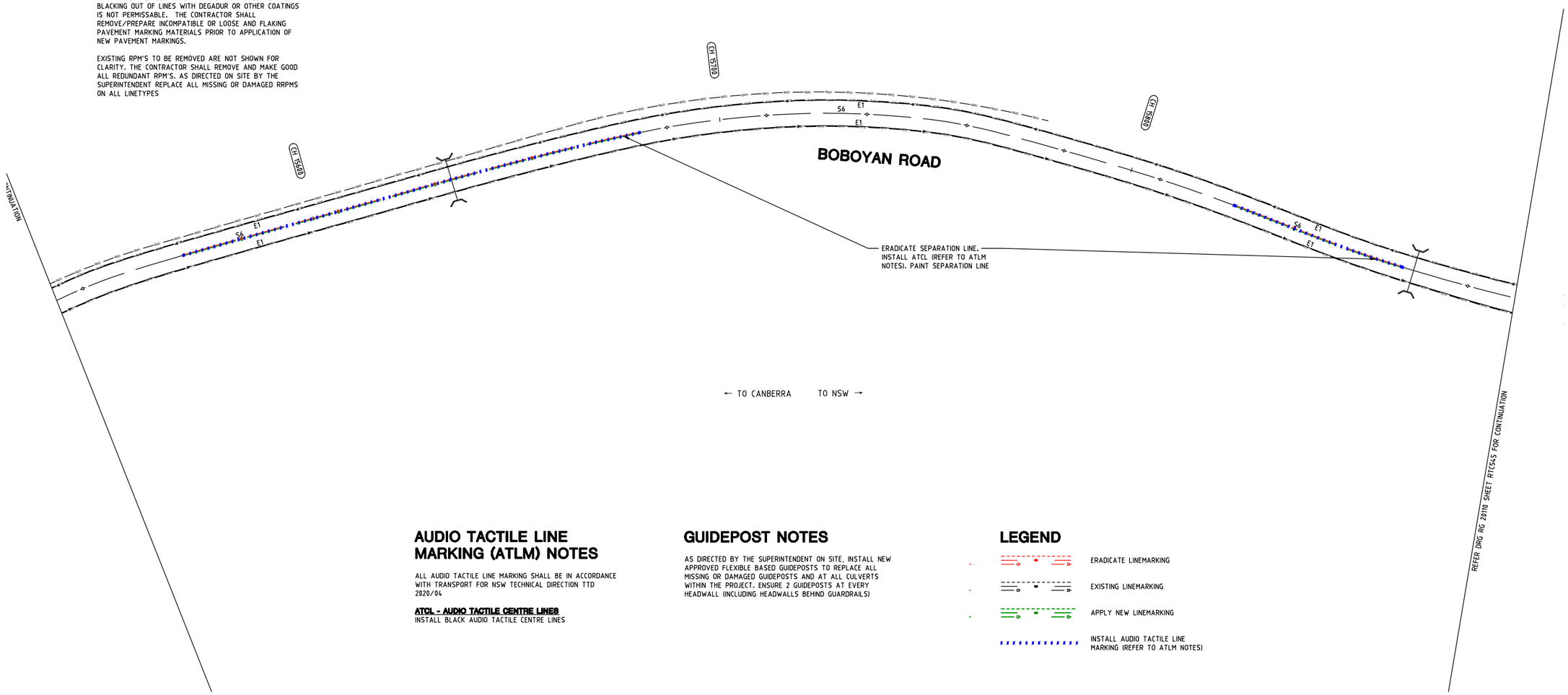
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S, AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

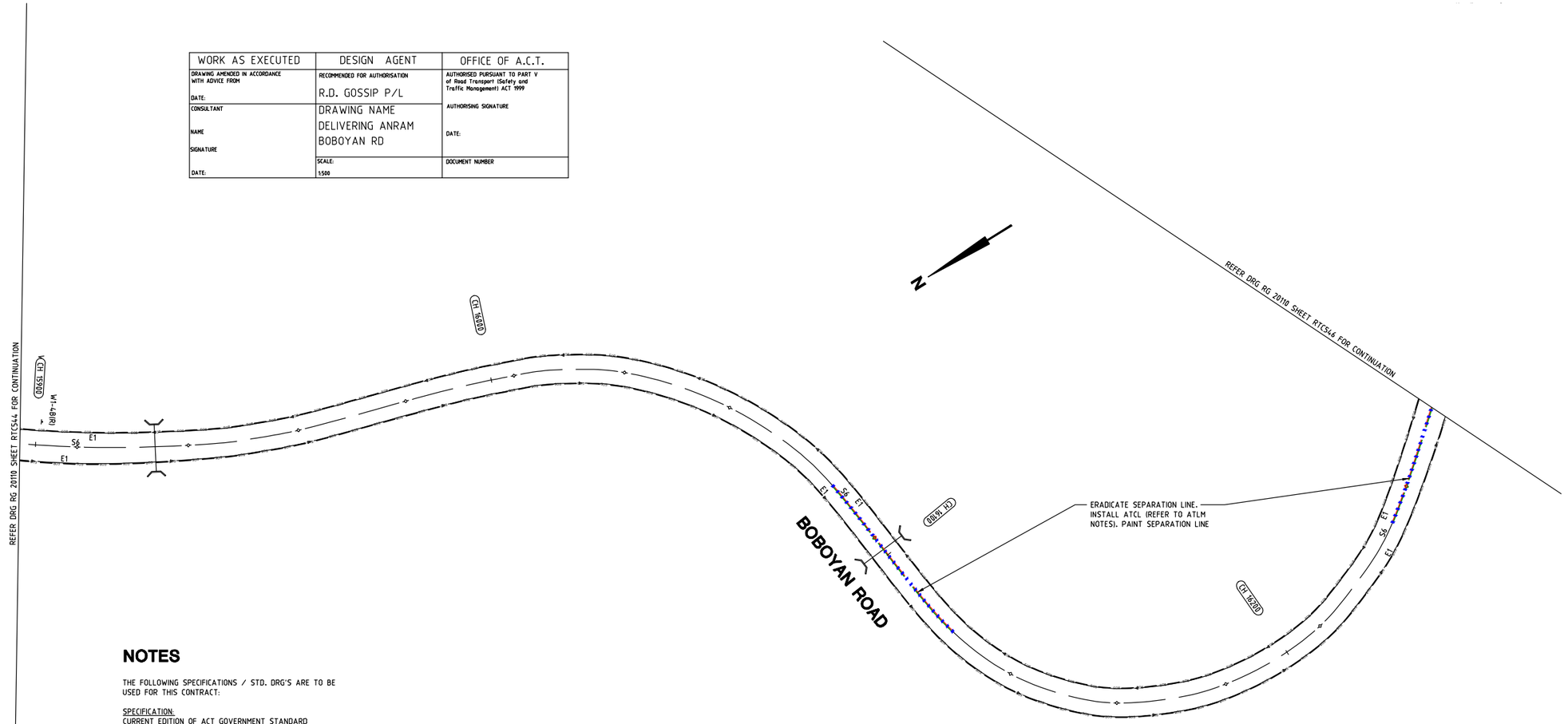
Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 44 OF 57

Org. No.	Sheet	Revision
RG 20110	RTC544	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

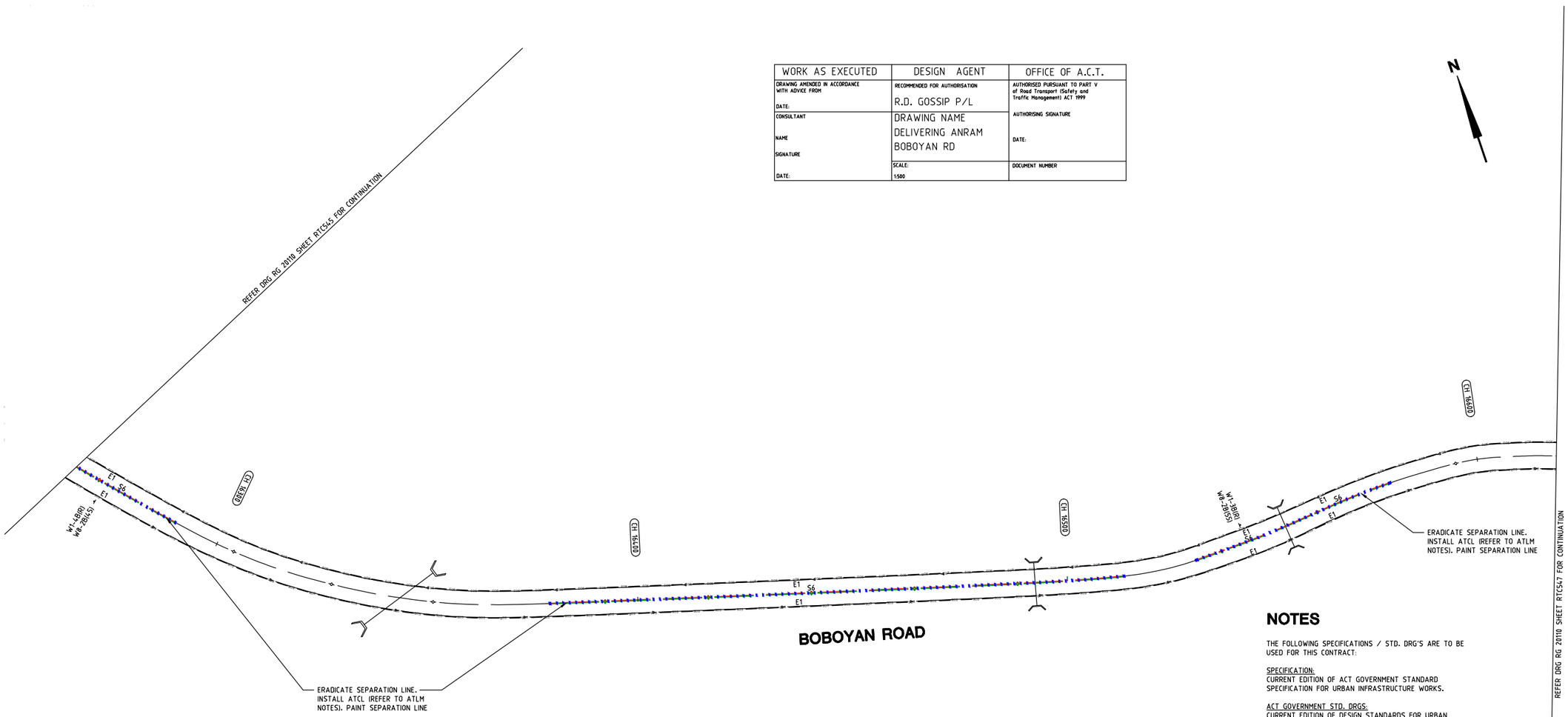
Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 45 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC545	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE			
DESCRIPTION	HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED			
- -	-	-	-
SIGNS TO BE REMOVED			
- -	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 46 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC546	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

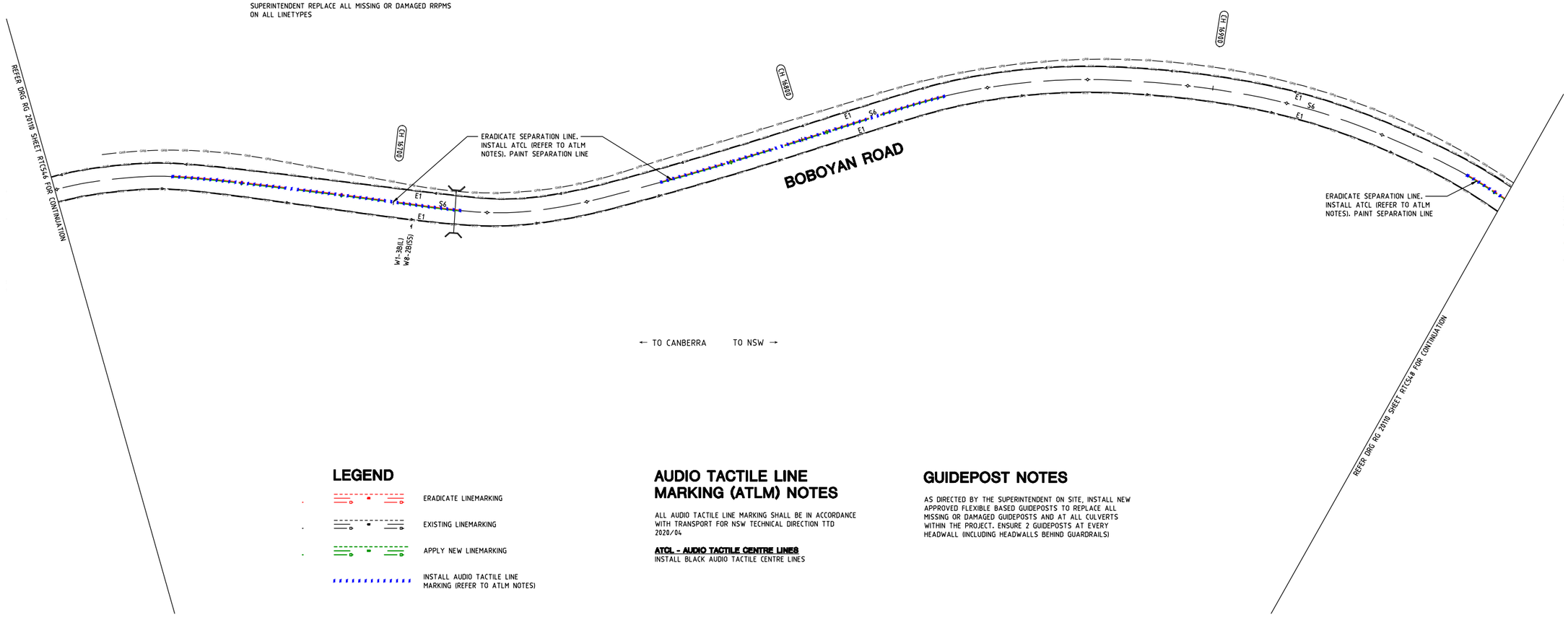
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 47 OF 57

Org. No.	Sheet	Revision
RG 20110	RTC547	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

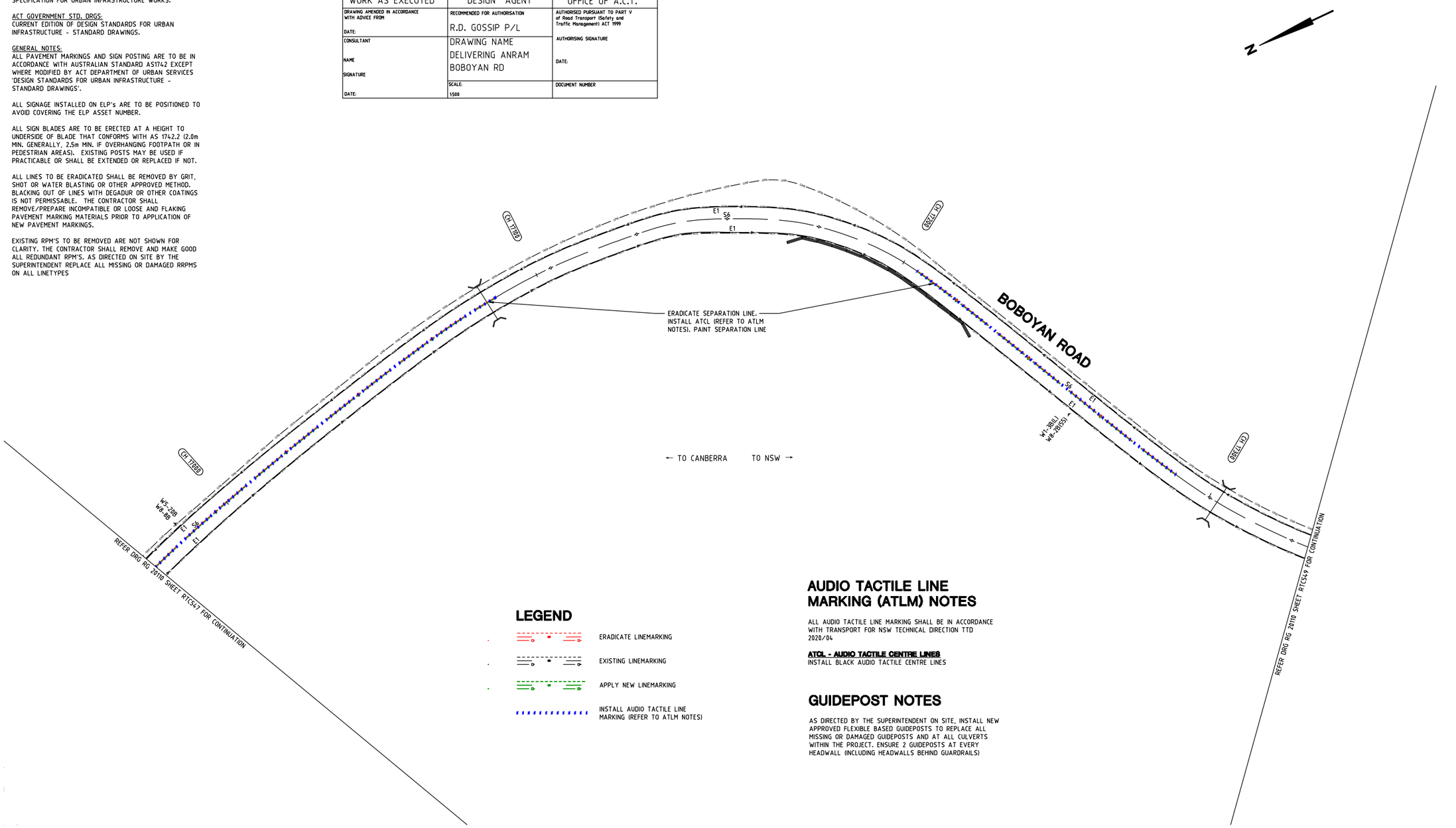
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 23/09/21

Drawing Title

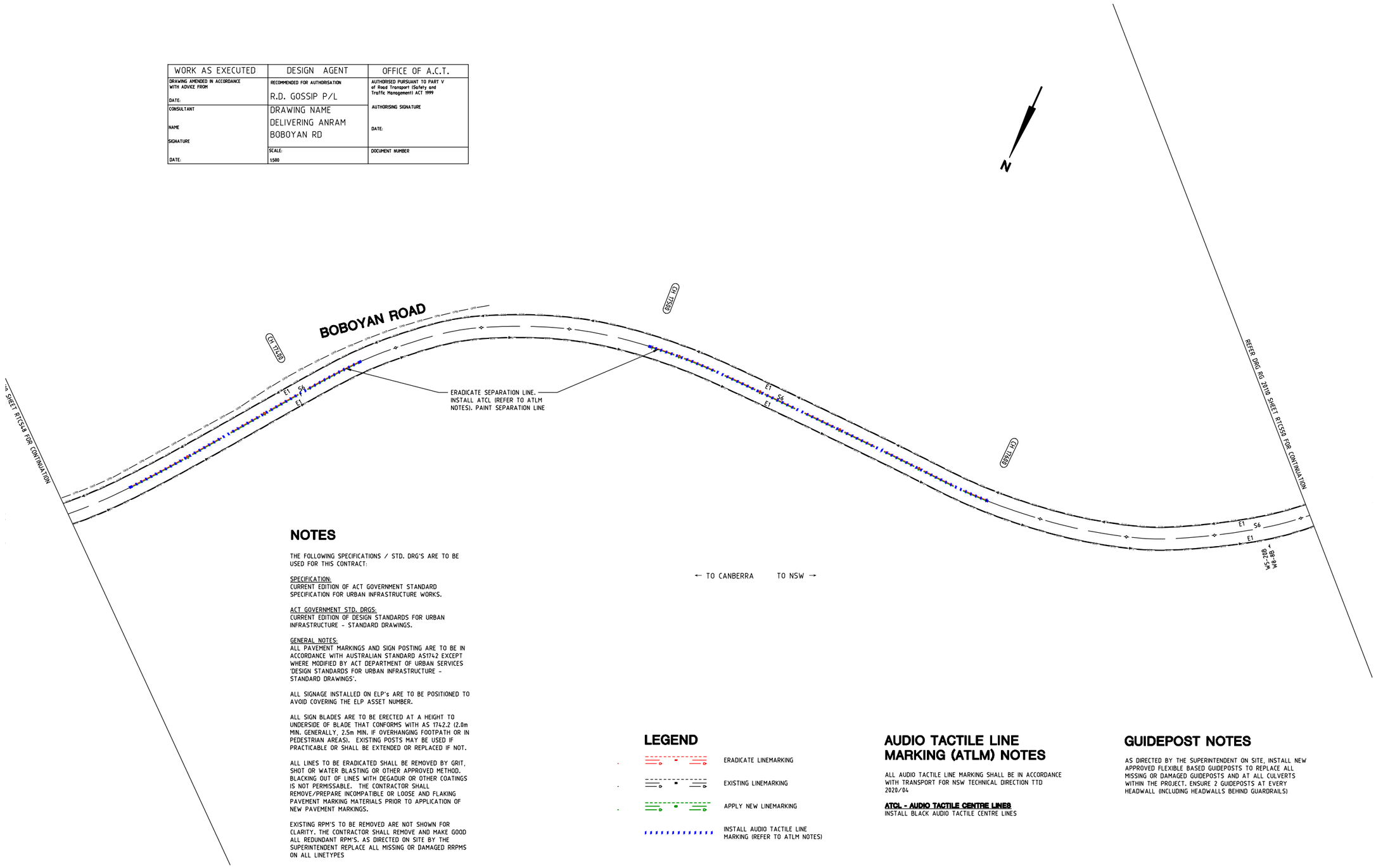
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 48 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC548	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5
TRAFFIC CONTROL DEVICE PLAN
- SHEET 49 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC549	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

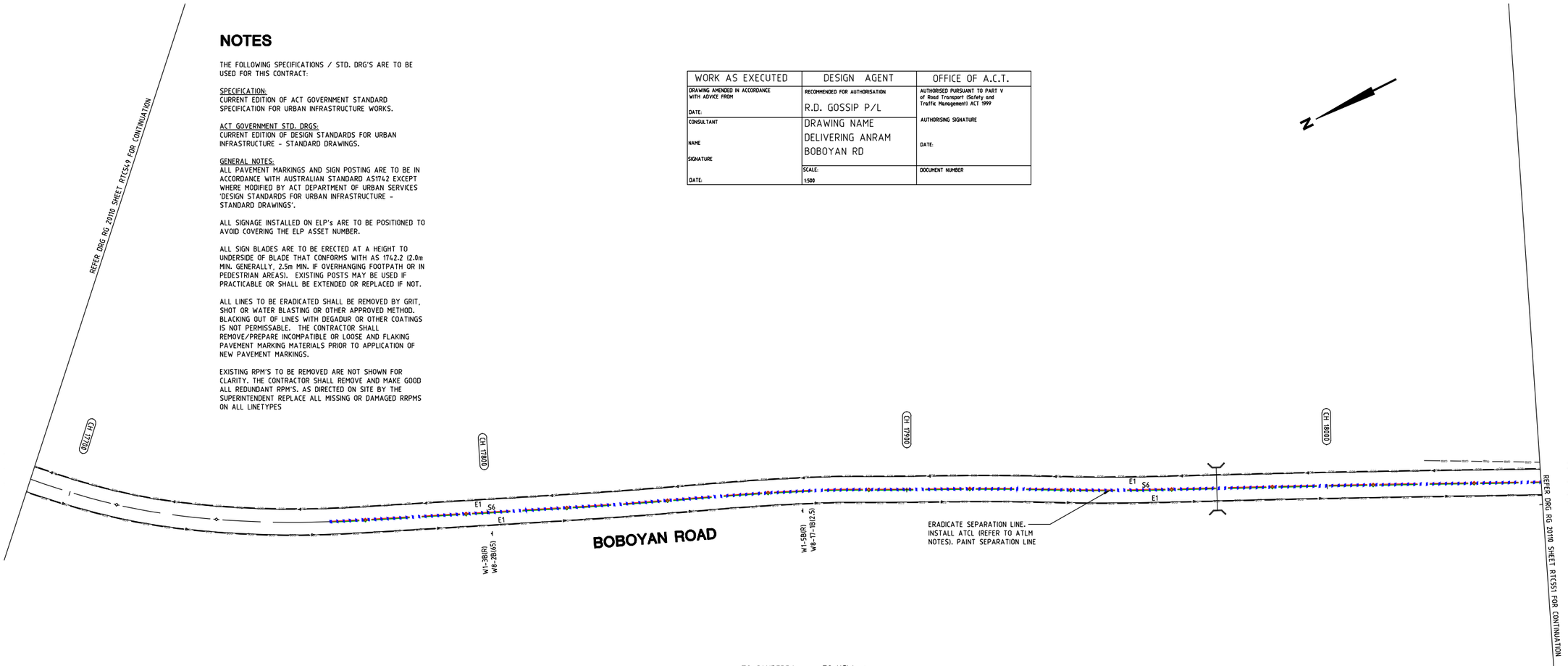
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 23/09/21

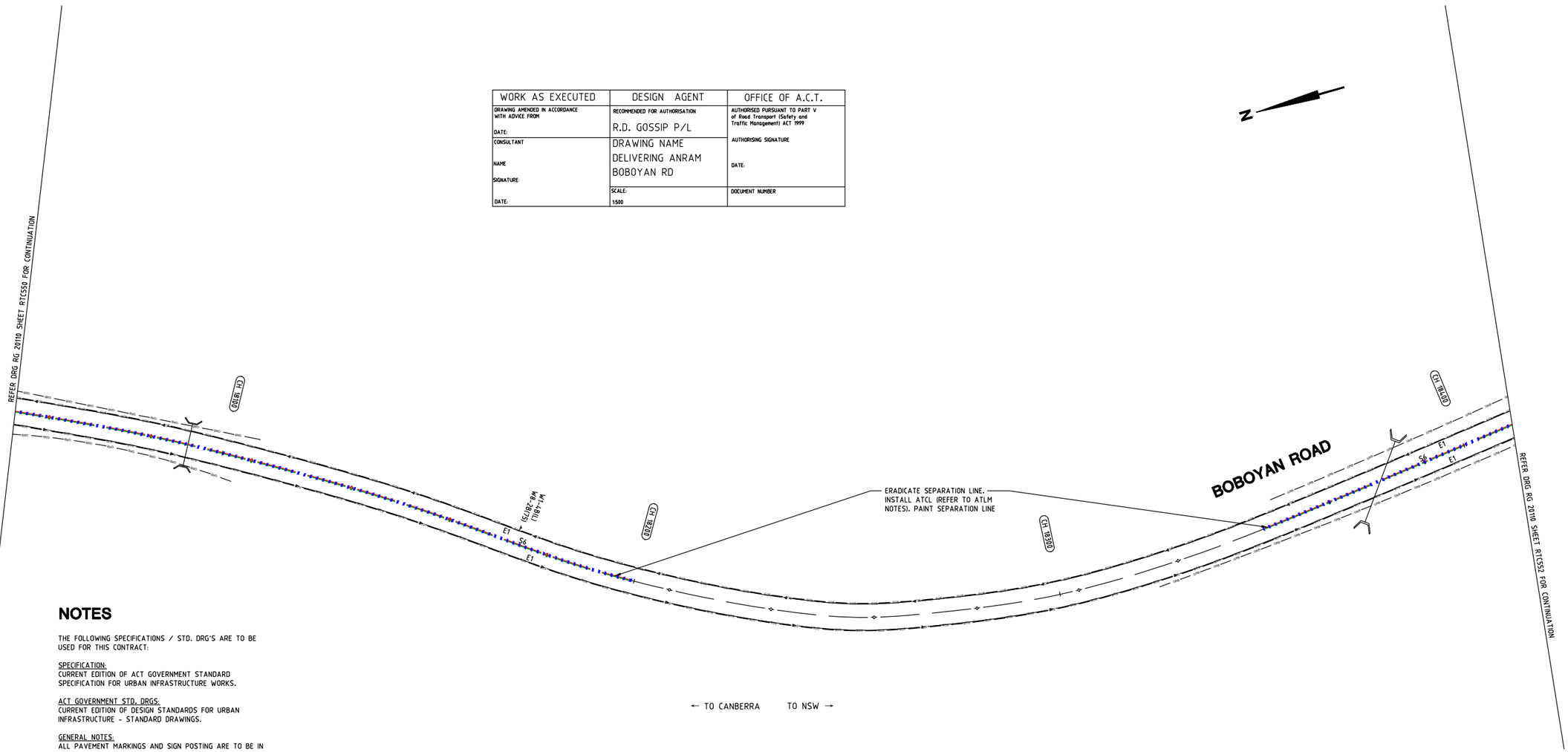
Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 50 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC550	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street Campbell ACT 2612 Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

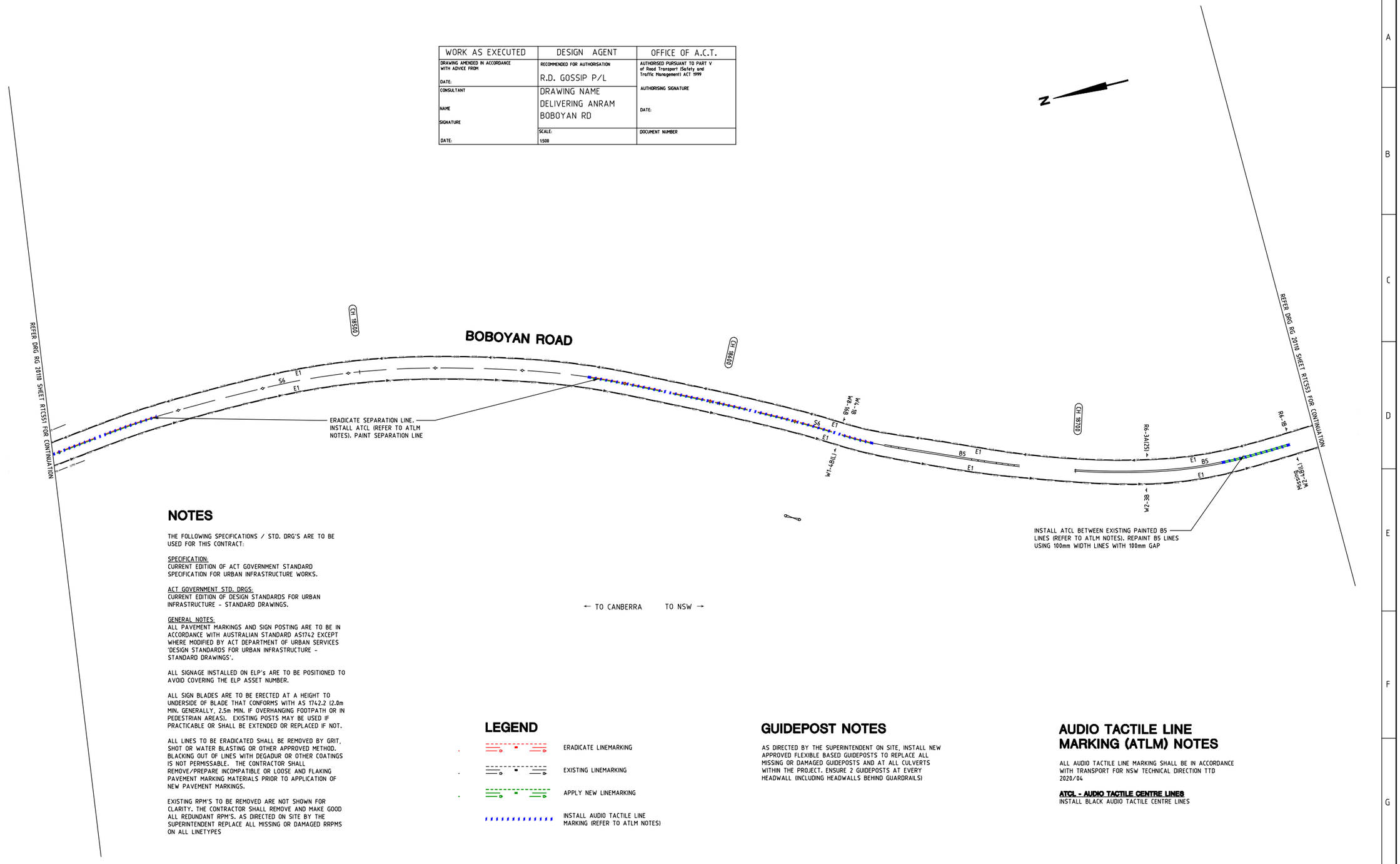
Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 51 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC551	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 23/09/21

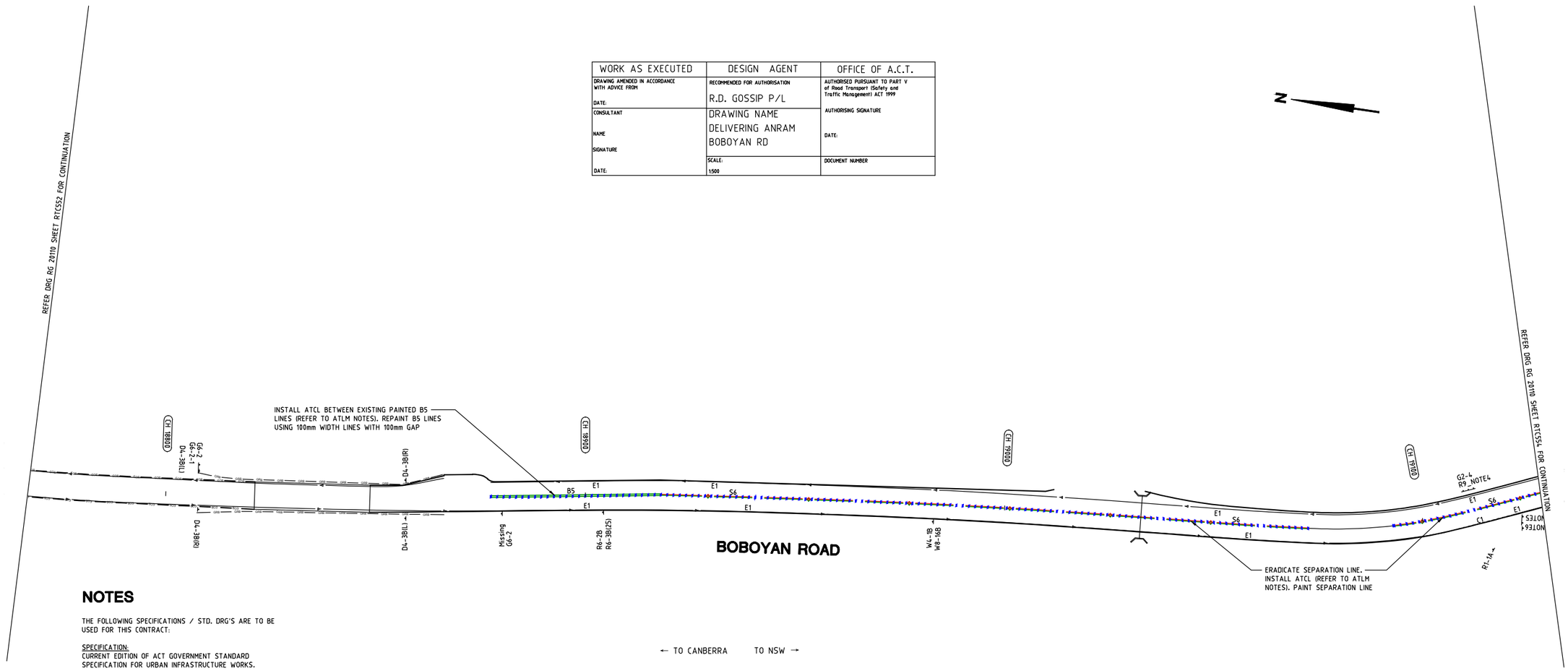
Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 52 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC552	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

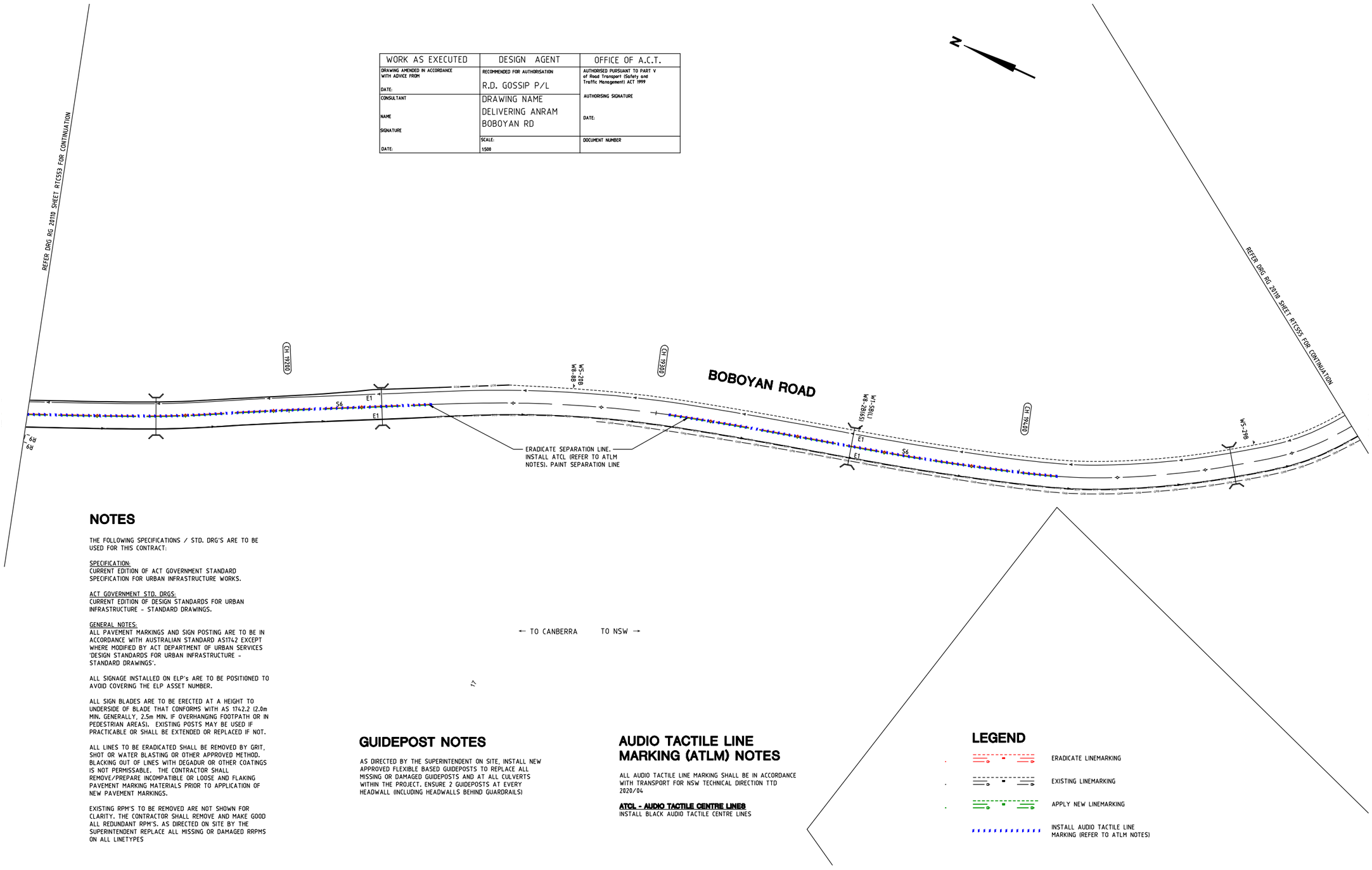
Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 53 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC553	0

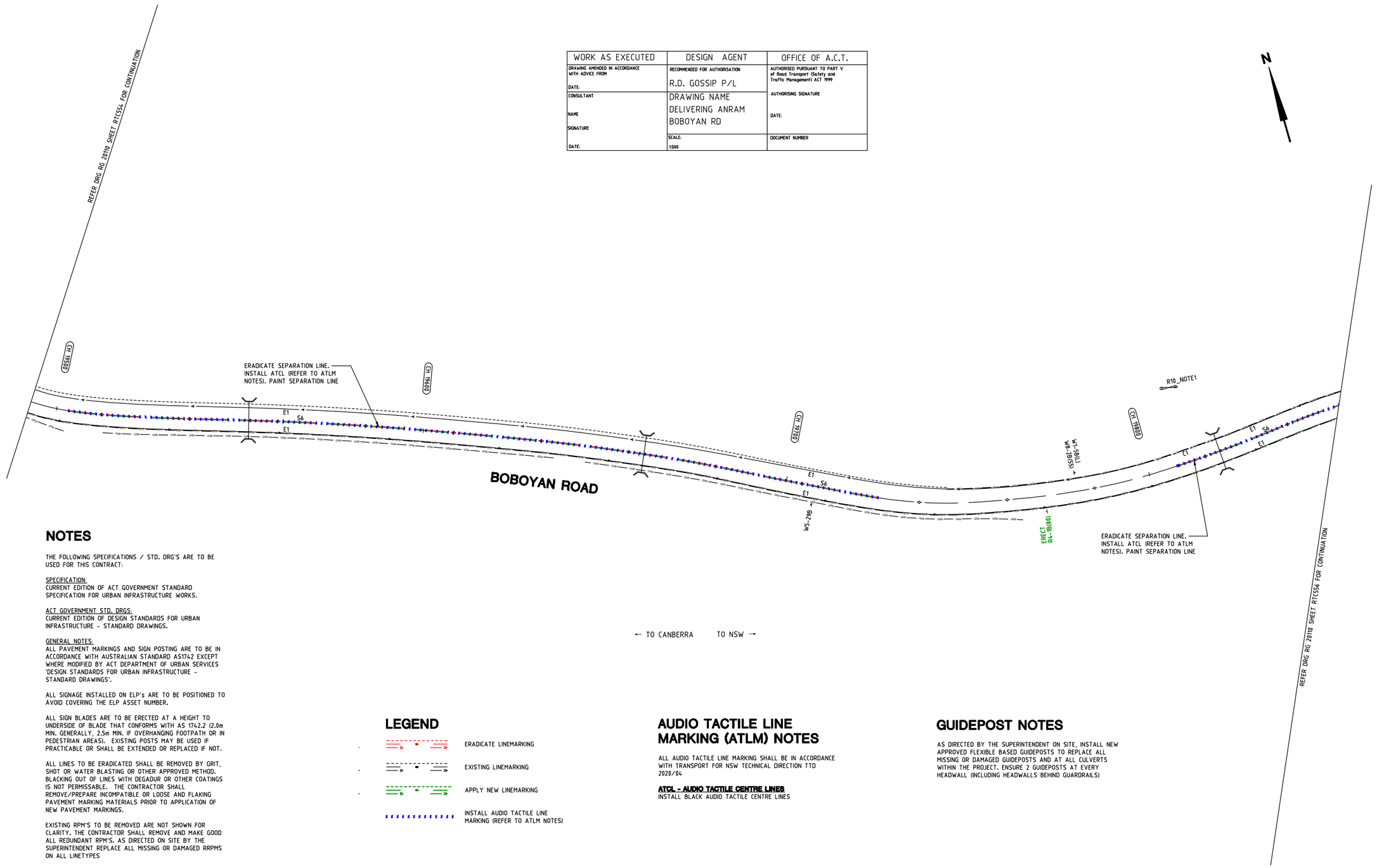
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER


REFER DRG RG 20110 SHEET RTC553 FOR CONTINUATION
REFER DRG RG 20110 SHEET RTC555 FOR CONTINUATION
N
BOBOYAN ROAD
CH 19200
CH 19280
CH 19420
CH 19560
WB-2B
WB-8B
WB-2B
WB-5B
WB-5B
WB-5

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
23/09/21

Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 55 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC555	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

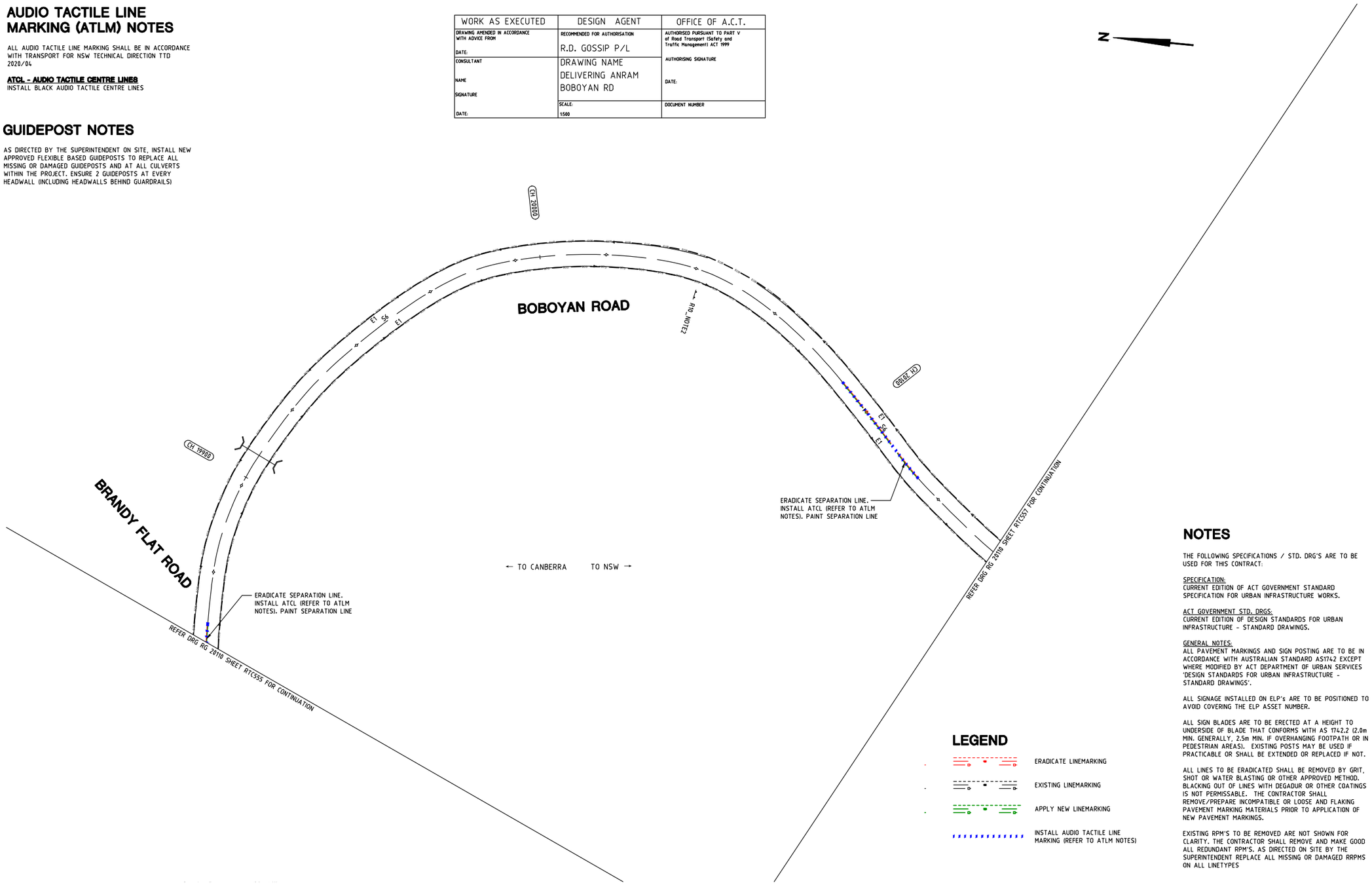
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

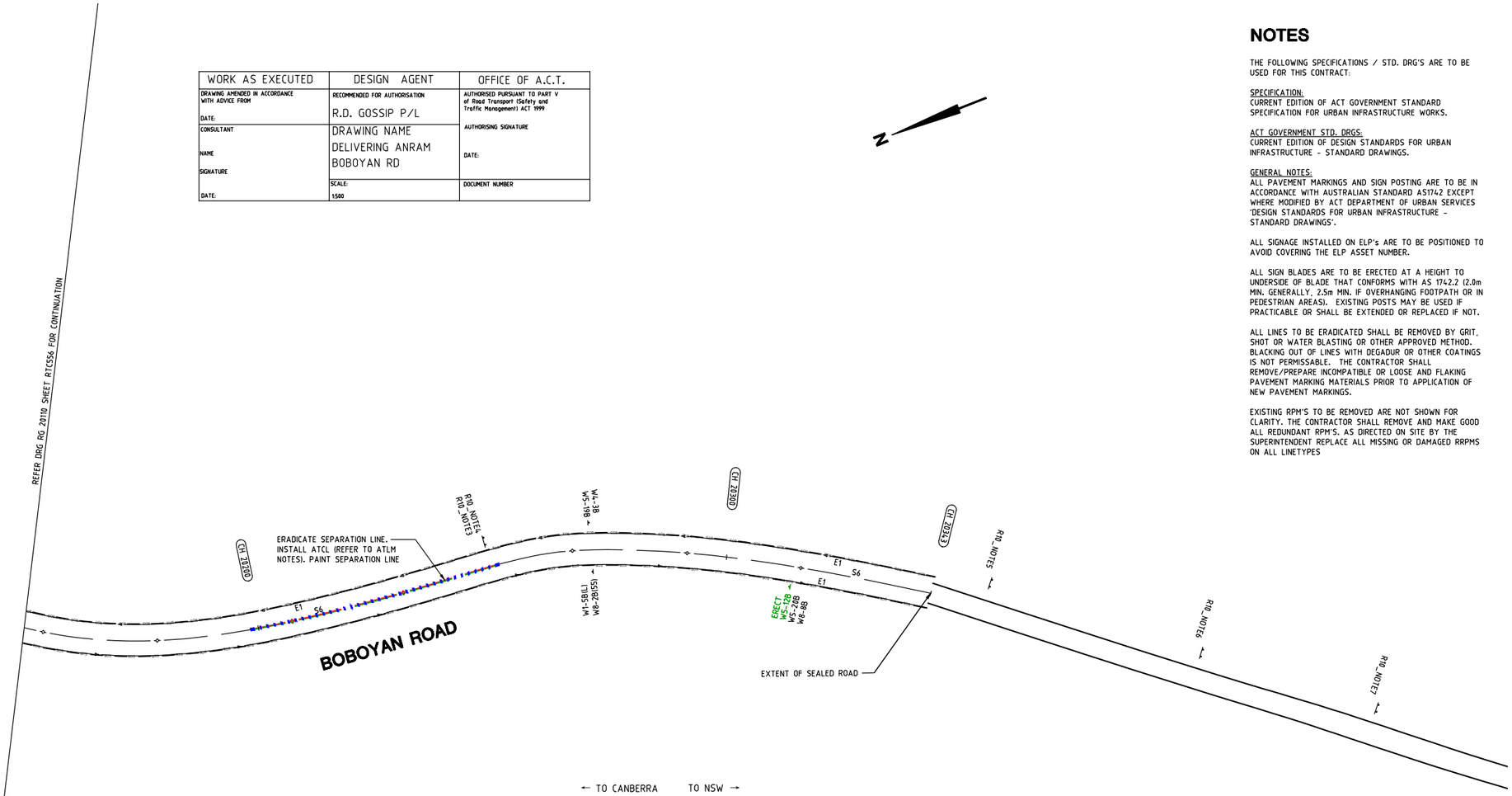
Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 56 OF 57

Drg. No.	Sheet	Revision
RG 20110	RTC556	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BOBOYAN RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W5-12	STEEP DESCENT	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 23/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
23/09/21

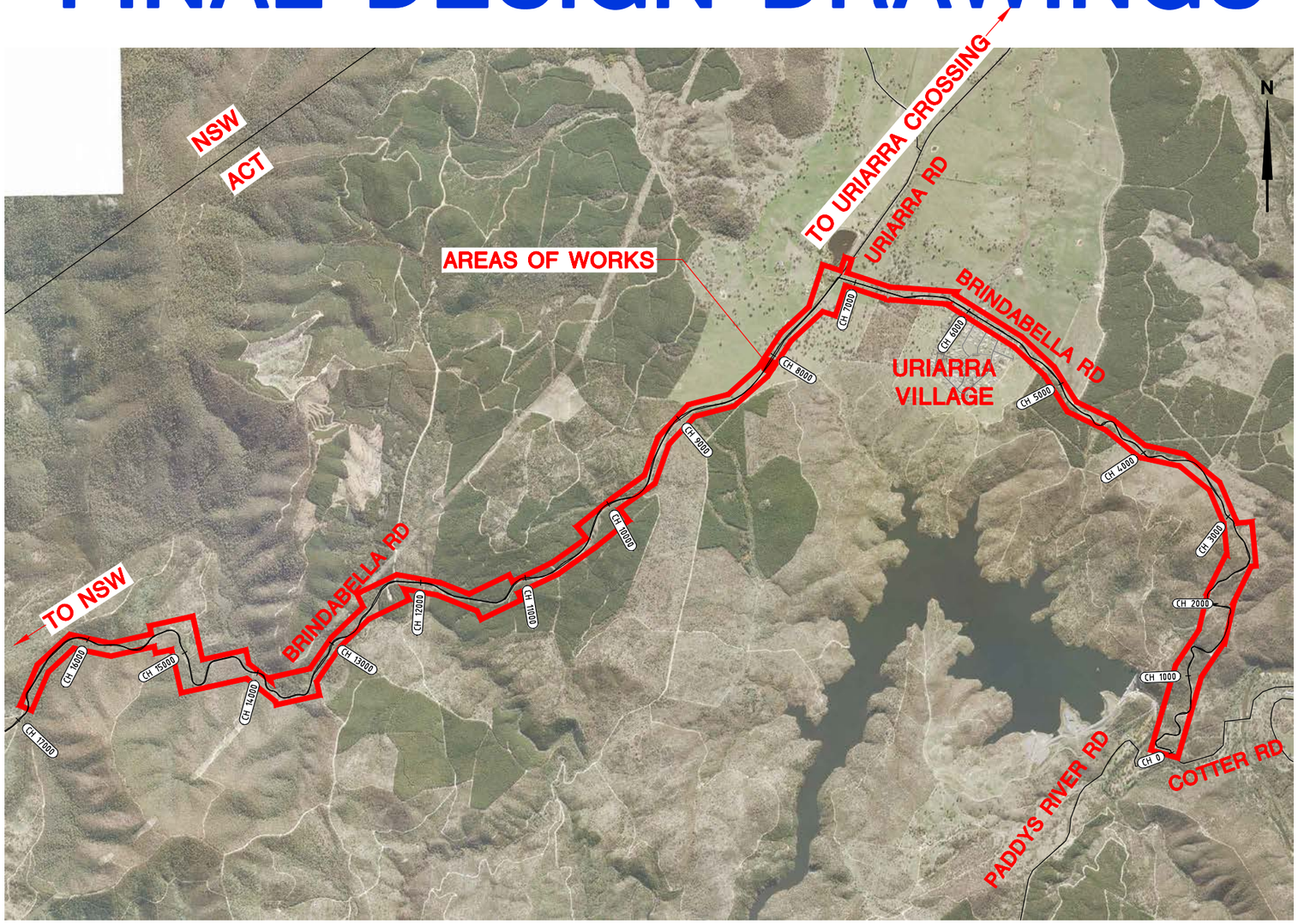
Drawing Title
BOBOYAN ROAD - SITE 5 TRAFFIC CONTROL DEVICE PLAN - SHEET 57 OF 57

Org. No.	Sheet	Revision
RG 20110	RTC557	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC500 Boboyan Rd

300mm ON A1 ORIGINAL

DELIVERING ANRAM - STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
FINAL DESIGN DRAWINGS



LOCALITY PLAN

APPROVED BY:
[redacted]
30/08/2021
REVISION 0
SHEET RC0701

ACT Government

Consulting Engineers

DRAWING INDEX

DRAWING NO.	SHEET NO.	DRAWING TITLE
RG 20110	RCO701	COVER SHEET AND LOCALITY PLAN
RG 20110	RDI701	DRAWING INDEX
RG 20110	RNO701	NOTES AND LEGEND
RG 20110	RTC701	TRAFFIC CONTROL DEVICE PLAN - SHEET 1 OF 30
RG 20110	RTC702	TRAFFIC CONTROL DEVICE PLAN - SHEET 2 OF 30
RG 20110	RTC703	TRAFFIC CONTROL DEVICE PLAN - SHEET 3 OF 30
RG 20110	RTC704	TRAFFIC CONTROL DEVICE PLAN - SHEET 4 OF 30
RG 20110	RTC705	TRAFFIC CONTROL DEVICE PLAN - SHEET 5 OF 30
RG 20110	RTC706	TRAFFIC CONTROL DEVICE PLAN - SHEET 6 OF 30
RG 20110	RTC707	TRAFFIC CONTROL DEVICE PLAN - SHEET 7 OF 30
RG 20110	RTC708	TRAFFIC CONTROL DEVICE PLAN - SHEET 8 OF 30
RG 20110	RTC709	TRAFFIC CONTROL DEVICE PLAN - SHEET 9 OF 30
RG 20110	RTC710	TRAFFIC CONTROL DEVICE PLAN - SHEET 10 OF 30
RG 20110	RTC711	TRAFFIC CONTROL DEVICE PLAN - SHEET 11 OF 30
RG 20110	RTC712	TRAFFIC CONTROL DEVICE PLAN - SHEET 12 OF 30
RG 20110	RTC713	TRAFFIC CONTROL DEVICE PLAN - SHEET 13 OF 30
RG 20110	RTC714	TRAFFIC CONTROL DEVICE PLAN - SHEET 14 OF 30
RG 20110	RTC715	TRAFFIC CONTROL DEVICE PLAN - SHEET 15 OF 30
RG 20110	RTC716	TRAFFIC CONTROL DEVICE PLAN - SHEET 16 OF 30
RG 20110	RTC717	TRAFFIC CONTROL DEVICE PLAN - SHEET 17 OF 30
RG 20110	RTC718	TRAFFIC CONTROL DEVICE PLAN - SHEET 18 OF 30
RG 20110	RTC719	TRAFFIC CONTROL DEVICE PLAN - SHEET 19 OF 30
RG 20110	RTC720	TRAFFIC CONTROL DEVICE PLAN - SHEET 20 OF 30
RG 20110	RTC721	TRAFFIC CONTROL DEVICE PLAN - SHEET 21 OF 30
RG 20110	RTC722	TRAFFIC CONTROL DEVICE PLAN - SHEET 22 OF 30
RG 20110	RTC723	TRAFFIC CONTROL DEVICE PLAN - SHEET 23 OF 30
RG 20110	RTC724	TRAFFIC CONTROL DEVICE PLAN - SHEET 24 OF 30
RG 20110	RTC725	TRAFFIC CONTROL DEVICE PLAN - SHEET 25 OF 30
RG 20110	RTC726	TRAFFIC CONTROL DEVICE PLAN - SHEET 26 OF 30
RG 20110	RTC727	TRAFFIC CONTROL DEVICE PLAN - SHEET 27 OF 30
RG 20110	RTC728	TRAFFIC CONTROL DEVICE PLAN - SHEET 28 OF 30
RG 20110	RTC729	TRAFFIC CONTROL DEVICE PLAN - SHEET 29 OF 30
RG 20110	RTC730	TRAFFIC CONTROL DEVICE PLAN - SHEET 30 OF 30
RG 20110	RCN701	CONSTRUCTION PLAN - SHEET 1 OF 14
RG 20110	RCN702	CONSTRUCTION PLAN - SHEET 2 OF 14
RG 20110	RCN703	CONSTRUCTION PLAN - SHEET 3 OF 14
RG 20110	RCN704	CONSTRUCTION PLAN - SHEET 4 OF 14
RG 20110	RCN705	CONSTRUCTION PLAN - SHEET 5 OF 14
RG 20110	RCN706	CONSTRUCTION PLAN - SHEET 6 OF 14
RG 20110	RCN707	CONSTRUCTION PLAN - SHEET 7 OF 14
RG 20110	RCN708	CONSTRUCTION PLAN - SHEET 8 OF 14
RG 20110	RCN709	CONSTRUCTION PLAN - SHEET 9 OF 14
RG 20110	RCN710	CONSTRUCTION PLAN - SHEET 10 OF 14
RG 20110	RCN711	CONSTRUCTION PLAN - SHEET 11 OF 14
RG 20110	RCN712	CONSTRUCTION PLAN - SHEET 12 OF 14
RG 20110	RCN713	CONSTRUCTION PLAN - SHEET 13 OF 14
RG 20110	RCN714	CONSTRUCTION PLAN - SHEET 14 OF 14

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

Drawing Title

DRAWING INDEX

Drg. No.	Sheet	Revision
RG 20110	RDI701	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd - COVER Rod Martin 31/08/2021 4:25 PM

300mm ON A1 ORIGINAL

SPECIFICATION NOTES

1. ALL WORKS SHALL COMPLY WITH THE CURRENT EDITION OF THE ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS AND THE DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

SERVICES NOTES

1. EXISTING SERVICES ARE NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN ALL CLEARANCES FROM ALL SERVICE AUTHORITIES.
2. THE CONTRACTOR SHALL LOCATE AND IF REQUIRED POTHOLE ALL SERVICES THAT CROSS OR ARE ADJACENT TO THE WORKS. THE CONTRACTOR SHALL ALLOW FOR PAYMENT OF STANDBY/CLEARANCE FEES AS REQUIRED BY SERVICE AUTHORITIES.
3. FOR ALL CRITICAL GAS MAINS (STEEL OR 75mm DIAMETER OR GREATER OR THAT HAVE A MAXIMUM ALLOWABLE OPERATING PRESSURE OF 1050 kPa OR GREATER) THAT ARE WITHIN 15m OF A PROPOSED EXCAVATION, THE CONTRACTOR SHALL CONTACT JEMENA AND AGREE ON CONSTRUCTION PROCEDURES PRIOR TO EXCAVATION. ATTENDANCE ON SITE BY JEMENA AT THE CONTRACTORS EXPENSE MAY BE REQUIRED, CONTACT JEMENA ON 1300 503 237. IN CASE OF EMERGENCY REPORT DAMAGE TO GAS ASSETS ON 131 909

WASTE MANAGEMENT PLAN

1. THE CONTRACTOR SHALL ENSURE THAT WASTE MATERIALS ARE DISPOSED OF AT AN APPROVED RECYCLING DEPOT.
2. UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT TIPPING OF MATERIALS AT THE 'TIP FACE' SHALL NOT BE PERMITTED.

POLLUTION, SEDIMENT AND EROSION CONTROL NOTES

1. PROVIDE TEMPORARY ENTRY CONTROL AND KERB INLET PROTECTION AT ALL EXISTING AND NEW ENTRANCES TO SUMPS AND UNCOVERED MANHOLES. PROVIDE GEOTEXTILE SEDIMENT TRAPS AND STRAW BALE CHECK DAMS IN DRAINAGE LINES. PROVIDE GEOTEXTILE FABRIC SEDIMENT CONTROL BARRIERS DOWNSTREAM OF ALL EARTHWORK LIMITS.
2. PROVIDE STABILISED SERVICE AND ACCESS APRONS INTO SITE COMPOUND AND EGRESS POINTS ONTO PUBLIC ROADS.
3. ALL EROSION CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED FOR THE DURATION OF THE CONTRACT AND SHALL NOT BE REMOVED WITHOUT THE APPROVAL OF THE SUPERINTENDENT.
4. THE CONTRACTOR MAY BE REQUIRED TO OBTAIN AN ENVIRONMENTAL AUTHORISATION AND IS RESPONSIBLE FOR THE APPLICATION, APPROVAL AND ANY ASSOCIATED FEES.
5. THE CONTRACTOR SHALL TAKE THE STEPS THAT ARE PRACTICABLE AND REASONABLE TO PREVENT OR MINIMISE ENVIRONMENTAL HARM OR ENVIRONMENTAL NUISANCE CAUSED, OR LIKELY TO BE CAUSED, BY ALL CONSTRUCTION ACTIVITIES.
6. THE ABOVE REQUIREMENTS ARE ADDITIONAL / SUPPLEMENTARY TO ANY DIRECTION / REQUIREMENT GIVEN BY THE EPA.

TEMPORARY TRAFFIC MANAGEMENT CONCEPT NOTES

1. ALL TRAFFIC MOVEMENTS ARE TO BE MAINTAINED AT ALL TIMES
2. TEMPORARY TRAFFIC MANAGEMENT DEVICES ARE TO BE IN ACCORDANCE WITH AS 1742.3-2019.
3. ALL WORKERS SHALL WEAR HIGH VISIBILITY EXTERNAL CLOTHING IN ACCORDANCE WITH AS 1742.3-2019.
4. THE CONTRACTOR SHALL SUBMIT A TTM PLAN TO THE SUPERINTENDENT FOR ENDORSEMENT AND THEN SUBMIT TO ROADS ACT AND TRANSPORT FOR NSW FOR AUTHORISATION. AMENDMENTS TO THE DRAWINGS SHALL FOLLOW THE SAME ENDORSEMENT AND AUTHORISATION PROCESS.
5. THE CONTRACTOR SHALL PROVIDE INDIVIDUAL TTM PLANS FOR BOTH WORKING AND NON WORKING HOURS.
6. THE CONTRACTOR SHALL ENSURE THAT ALL SIGNS THAT ARE TO BE COVERED ARE COVERED WITH AN APPROVED DENSE OPAQUE MATERIAL (NOT HESSIAN, SHADE CLOTH OR THE LIKE). THE COVERINGS SHALL COVER THE ENTIRE SIGN FACE AND BE SECURELY FIXED TO PREVENT DISLODGEMENT BY WIND OR VANDALS.
7. PROVIDE PEDESTRIAN CONTAINMENT FENCE AROUND THE WORK SITE PERIMETER.

LANDSCAPE, VERGE, TREE MANAGEMENT AND IRRIGATION NOTES

1. ALL LANDSCAPE WORKS ARE TO BE IN ACCORDANCE AND COMPLY WITH THE CURRENT EDITION OF THE STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS SEPTEMBER 2002 - SECTION 9: LANDSCAPE.
2. ANY WORKS THAT ALTER OR DISTURB GRASSED AREAS OR OTHER OPEN AREAS IN PUBLIC LAND MUST BE REINSTATED TO MATCH ADJACENT EXISTING CONDITIONS BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE CURRENT EDITION OF THE STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS SEPTEMBER 2002 - SECTION 9: LANDSCAPE AND TO THE APPROVAL OF TRANSPORT CANBERRA AND CITY SERVICES.
3. EXCAVATION THAT OCCURS WITHIN THE DRIP ZONE OF A TREE MUST BE APPROVED TO MEET THE REQUIREMENTS OF TREE PROTECTION AND OTHER ACT LEGISLATION - REFER ALSO TO AS 4970 - 2009 PROTECTION OF TREES AT DEVELOPMENT SITES. ANY EXCAVATION IS TO BE RESTRICTED TO ONE SIDE OF THE TREE ONLY. WHERE EXCAVATION IS APPROVED THE FOLLOWING MEASURES ARE TO BE ADOPTED FOR TREE PROTECTION:
   - DO NOT TEAR ROOTS FROM THE GROUND - CUT CLEANLY AROUND THE EXCAVATION PERIMETER EXPOSE THE ROOTS WITH NON DAMAGING EXCAVATION EG HYDRO JETTING ON LOW PRESSURE TO ENSURE NO DAMAGE TO THE ROOTS CAMBIUM LAYER & THEN CUTTING CLEANLY WITH SHARP HAND PRUNING TOOL/S. UNLESS APPROVED BY A TRANSPORT CANBERRA AND CITY SERVICES, URBAN TREESCAPES OFFICER DO NOT SEVER LARGE ROOTS (GREATER THAN 30mm DIA.) CLOSER THAN HALFWAY FROM THE DRIP LINE TO THE TRUNK. ALL ROOTS MUST BE CUT CLEANLY WITH EQUIPMENT SPECIFICALLY DESIGNED TO CUT ROOTS OR OTHER APPROVED PRUNING EQUIPMENT.
   - ROOTS EXPOSED DURING EXCAVATION MUST BE PROTECTED FROM DESICCATION AND KEPT LIGHTLY WATERED OR COVERED WITH HESSIAN WHICH MUST BE KEPT MOIST. BACKFILL EXCAVATION ASAP.
   - TRUNK PROTECTION (BOARDS) MUST BE IMPLEMENTED.
   - UNDER BORING MAY BE AN OPTION.
   - WATER TREES WHICH HAVE HAD DISTURBANCE TO THEIR ROOT ZONE. BASED ON SEASONAL CONDITIONS THE AMOUNT AND FREQUENCY OF WATER NEEDS TO BE ADAPTED TO SUIT THE TREES REQUIREMENT.
   - DUE TO TREE STABILITY ISSUES THE PROJECT SUPERINTENDENT/ARBORIST AND TRANSPORT CANBERRA AND CITY SERVICES (PH: 6207 5878) SHALL BE CONTACTED IF ANY ROOT GREATER THAN 30mm DIAMETER IS PROPOSED TO BE SEVERED. THE CONTRACTOR SHALL LEAVE THE ROOT EXPOSED UNTIL DIRECTED OTHERWISE BY THE SUPERINTENDENT/ARBORIST &/OR TRANSPORT CANBERRA AND CITY SERVICES. ALL ROOTS SMALLER THAN 30mm DIAMETER SHALL BE CUT BY AN APPROVED ARBORIST
4. THE CONTRACTOR SHALL ONLY EXCAVATE WITHIN THE AREA REQUIRED FOR THE PROPOSED WORKS AS AGREED BY TRANSPORT CANBERRA AND CITY SERVICES.
5. THE CONTRACTOR SHALL ENSURE THAT ALL HOT EXHAUST FUMES FROM PLANT AND EQUIPMENT USED ON THE SITE ARE DIRECTED AWAY FROM THE EXISTING TREE CANOPIES.
6. ALL MACHINERY MUST REMAIN CLEAR OF TREE CANOPIES (CANOPY +2m) - NO CANOPY PRUNING TO BE UNDERTAKEN FOR CLEARANCE UNLESS APPROVED BY TRANSPORT CANBERRA AND CITY SERVICES, URBAN TREESCAPES SECTION. TREE PROTECTION MEASURES THAT MEET THE REQUIREMENTS OF AS 4970 - 2009 MUST BE SET UP TO PREVENT ACCESS/COMPACTION TO THE AREA BENEATH TREE CANOPIES, UNLESS OTHERWISE APPROVED BY TRANSPORT CANBERRA AND CITY SERVICES, URBAN TREESCAPES SECTION, DURING WORKS FOR MACHINERY, VEHICLES, AND MATERIALS ETC.
7. THE CONTRACTOR SHALL ALLOW FOR HYDRO EXCAVATION USING AN APPROVED LOW PRESSURE (1500KPa WITHIN 3m OF TREE TRUNKS, 2000KPa ELSEWHERE) MACHINE AS NECESSARY TO ENSURE COMPLIANCE WITH THE ABOVE REQUIREMENTS.
8. WHERE DISTURBED BY THE WORKS THE CONTRACTOR SHALL ADJUST ALL SPRINKLERS, PIPE WORK AND WIRING AS DIRECTED BY THE SUPERINTENDENT. ALL WORK SHALL BE UNDERTAKEN BY AN APPROVED IRRIGATION SUB-CONTRACTOR AT THE CONTRACTORS EXPENSE.
9. ALL TREE AND ROOT TRIMMING/REMOVAL SHALL BE UNDERTAKEN BY A QUALIFIED ARBORIST UPON APPROVAL BY TRANSPORT CANBERRA AND CITY SERVICES, URBAN TREESCAPES SECTION AT THE CONTRACTORS EXPENSE.
10. THE CONTRACTOR SHALL ENSURE ALL TREE PROTECTION FENCING IS ERECTED PRIOR TO COMMENCEMENT OF ANY SITE CONSTRUCTION WORKS AND IS TO REMAIN FOR THE ENTIRE DURATION OF THE WORKS. THE CONTRACTOR SHALL ENSURE THAT NO VEHICULAR PARKING, STORAGE AND STOCKPILING WITHIN TREE PROTECTION FENCING OCCURS THROUGHOUT THE CONTRACT DURATION.

SAFETY BARRIER NOTES

1. ALL SAFETY BARRIER INSTALLATIONS SHALL BE IN ACCORDANCE WITH
   - AS 3845.1-2015 ROAD SAFETY BARRIER SYSTEMS AND DEVICES - PART 1 - ROAD SAFETY BARRIER SYSTEMS
   - DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS
   - AUSTROADS GUIDE TO ROAD DESIGN PART 6 ROADSIDE DESIGN, SAFETY AND BARRIERS
2. THE CONTRACTOR SHALL FIELD CHECK THE PROPOSED SAFETY BARRIER POST LOCATIONS TO ENSURE THAT THERE IS NO CONFLICT WITH OTHER ASSETS, FINISHES, FIXTURES AND FITTINGS. THE PROPOSED DESIGN IS TO BE ACCURATELY FIELD CHECKED PRIOR TO MANUFACTURE OF THE NEW SAFETY BARRIER TO ENSURE NO CONFLICT.
3. THE CONTRACTOR SHALL UNDERTAKE POST DEFLECTION TESTING TO MEET TFNSW REQUIREMENTS. A MINIMUM OF 5% OF POSTS SHALL BE TESTED AND AT LEAST 2 POSTS ON EACH LENGTH OF SAFETY BARRIER. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE SUPERINTENDENT ON WHICH POSTS ARE TO BE TESTED.

CONSTRUCTION LEGEND

GRB GRB GRB — INSTALL APPROVED MASH ROAD SAFETY BARRIER IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. REFER PLANS FOR DETAILS

GRB GRB GRB — INSTALL APPROVED MASH TL3 MOTORCYCLIST RAIL AS PER MANUFACTURERS SPECIFICATIONS

REMOVE GUIDE POST

SAFETY NOTES

1. GENERAL NOTES FOR ALL PHASES OF THE PROJECTS LIFE

   a. THE CONTRACTOR SHALL COMPLY WITH THE CURRENT WORK HEALTH AND SAFETY ACT, REGULATIONS AND INDUSTRY CODES AND PRACTICE GUIDELINES.

   b. SERVICES

   SERVICE LOCATION PRIOR TO COMMENCEMENT OF WORKS ON SITE:
   - IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN ALL SERVICE CLEARANCES (INCLUDING SERVICE TIE LOCATIONS) FROM ALL SERVICE AUTHORITIES.
   - THE CONTRACTOR SHALL HYDRO-POTHOLE ALL SERVICES THAT CROSS OR ARE ADJACENT TO THE PROPOSED WORKS TO DETERMINE THE VERTICAL AND HORIZONTAL ALIGNMENT.
   - THE CONTRACTOR SHALL IDENTIFY ALL OVERHEAD SERVICES WITHIN THE WORK SITE AREA AND PROTECT PLANT.
   - FOR ALL GAS MAINS 75mm DIAMETER OR GREATER THAT HAVE A PRESSURE OF 1050 kPa OR GREATER THAT ARE WITHIN 15m OF A PROPOSED EXCAVATION, THE CONTRACTOR SHALL CONTACT ZNX ON (02) 6203 0660 AND AGREE ON CONSTRUCTION PROCEDURES PRIOR TO EXCAVATION. ATTENDANCE ON SITE BY ZNX AT THE CONTRACTORS EXPENSE MAY BE REQUIRED.

   WORKS NEAR SERVICES AND STRUCTURES:
   - AVOID THE USE OF HEAVY MACHINERY OR HEAVY VIBRATING LOADS NEAR LARGE TRUNK GAS, WATER SUPPLY, COMMUNICATIONS INFRASTRUCTURE, RETAINING WALLS AND SUSPENDED SLABS. THE CONTRACTOR SHALL KEEP CLEAR OF ALL OVERHEAD SERVICES WITHIN THE WORK SITE AREA.

   TEMPORARY TRAFFIC MANAGEMENT: (AS1742.3)
   - ALL TEMPORARY TRAFFIC MANAGEMENT DEVICES ARE TO BE IN ACCORDANCE WITH AS 1742.3-2009.
   - ALL WORKERS SHALL WEAR HIGH VISIBILITY EXTERNAL CLOTHING IN ACCORDANCE WITH AS 1742.3-2009.
   - ALL SIGNS AND DEVICES SHALL BE ERECTED WITHIN THE LINE OF SIGHT OF THE ROAD USER. THEY SHALL NOT BE OBSCURED BY VEGETATION OR PARKED VEHICLES AND SHALL BE POSITIONED WHERE THEY DO NOT BECOME A HAZARD TO PEDESTRIANS OR VEHICLES.
   - THE CONTRACTOR SHALL ASSESS ANY EXCAVATIONS GREATER THAN 500mm IN DEPTH AND PROVIDE PROTECTION AND DELINEATION IN ACCORDANCE WITH TABLE E1 OF AS 1742.3.
   - THE CONTRACTOR SHALL SUBMIT TTM PLAN(S) TO THE SUPERINTENDENT FOR ENDORSEMENT AND THEN SUBMIT TO ROADS ACT FOR APPROVAL. AMENDMENTS TO THE TTM PLANS SHALL FOLLOW THE SAME ENDORSEMENT AND APPROVAL PROCESS.
   - WHERE EXISTING OR NEW TTM SIGNAGE (BY OTHERS) CONFLICTS WITH THE PROPOSED TTM DEVICES, THE CONTRACTOR SHALL LIAISE WITH ROADS ACT AND ADJUST THE TTM SIGNAGE AS REQUIRED TO ENSURE THE TTM DESIGN INTENT IS MET AND REMOVE THE CONFLICT.
   - ALL STAR PICKETS SHALL BE CAPPED AT ALL TIMES.

   d. NO WORK IS TO BE UNDERTAKEN IN POOR VISIBILITY CONDITIONS (BAD WEATHER, FOG, DUST, SMOKE, SUN GLARE, DARKNESS ETC).

   e. MOBILE PHONES SHALL ONLY BE USED IN A PROTECTED AREA OR 10m CLEAR OF ADJACENT VEHICULAR TRAFFIC AND CONSTRUCTION VEHICLES. MOBILE PHONES SHALL NOT BE USED WHEN OPERATING ANY PLANT OR EQUIPMENT.

   f. THE CONTRACTOR SHALL IDENTIFY AND KEEP CLEAR OF ALL OVERHEAD OBSTRUCTIONS WITHIN THE WORK SITE AREA (TREES, BRIDGES ETC).

   g. ALL EXPOSED VERTICAL REINFORCEMENT BARS SHALL BE COGGED.

2. CONSTRUCTION PHASE

   a. THE CONTRACTOR SHALL UNDERTAKE A SITE SPECIFIC RISK ASSESSMENT PRIOR TO UNDERTAKING ANY WORKS ON THE SITE.

   b. SITE CONSTRAINTS IDENTIFIED AS 'NON STANDARD' WITHIN THE SCOPE OF THE PROJECT ARE AS FOLLOWS:
   - PROVIDE PEDESTRIAN PROTECTION FENCING AROUND ALL EXPOSED EXCAVATIONS.
   - EXISTING SERVICES HAVE BEEN INSTALLED UNDER OLD STANDARDS AND MAY HAVE LESS COVER THAN CURRENT STANDARDS. ALL EXCAVATIONS GREATER THAN 300mm DEEP SHOULD BE HYDRO EXCAVATED.
   - ASBESTOS MAY BE PRESENT IN SUBGRADE. ASBESTOS SHALL BE RESPONDED TO AS A WHS INCIDENT AND REMOVED BY A LICENSED SUB-CONTRACTOR.

3. MAINTENANCE PHASE

   a. THE CONTRACTOR SHALL UNDERTAKE A SITE SPECIFIC RISK ASSESSMENT PRIOR TO UNDERTAKING MAINTENANCE ON THE SITE AS SITE CONDITIONS MAY VARY FROM THE ORIGINAL CONSTRUCTION PHASE (VEGETATION GROWTH, ADDITIONAL SERVICE INSTALLATIONS ETC).

   b. SITE CONSTRAINTS IDENTIFIED AS 'NON STANDARD' WITHIN THE SCOPE OF THE PROJECT ARE AS FOLLOWS:
   - PROVIDE PEDESTRIAN PROTECTION FENCING AROUND ALL EXPOSED EXCAVATIONS.
   - EXISTING SERVICES HAVE BEEN INSTALLED UNDER OLD STANDARDS AND MAY HAVE LESS COVER THAN CURRENT STANDARDS. ALL EXCAVATIONS GREATER THAN 300mm DEEP SHOULD BE HYDRO EXCAVATED.
   - ASBESTOS MAY BE PRESENT IN SUBGRADE. ASBESTOS SHALL BE RESPONDED TO AS A WHS INCIDENT AND REMOVED BY A LICENSED SUB-CONTRACTOR.

4. DEMOLITION PHASE

   a. THE CONTRACTOR SHALL UNDERTAKE A SITE SPECIFIC RISK ASSESSMENT PRIOR TO UNDERTAKING DEMOLITION ON THE SITE AS SITE CONDITIONS MAY VARY FROM THE ORIGINAL CONSTRUCTION PHASE (VEGETATION GROWTH, ADDITIONAL SERVICE INSTALLATIONS ETC).

   b. SITE CONSTRAINTS IDENTIFIED AS 'NON STANDARD' WITHIN THE SCOPE OF THE PROJECT ARE AS FOLLOWS:
   - PROVIDE PEDESTRIAN PROTECTION FENCING AROUND ALL EXPOSED EXCAVATIONS.
   - EXISTING SERVICES HAVE BEEN INSTALLED UNDER OLD STANDARDS AND MAY HAVE LESS COVER THAN CURRENT STANDARDS. ALL EXCAVATIONS GREATER THAN 300mm DEEP SHOULD BE HYDRO EXCAVATED.
   - ASBESTOS MAY BE PRESENT IN SUBGRADE. ASBESTOS SHALL BE RESPONDED TO AS A WHS INCIDENT AND REMOVED BY A LICENSED SUB-CONTRACTOR.

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 126, 12 Provan Street, Campbell ACT 2612, Ph. 02 6251 6393

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client: Project Officer: Kencho Chaden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM STAGE 2 SAFETY BARRIERS & TCDS BRINDABELLA RD - SITE 7

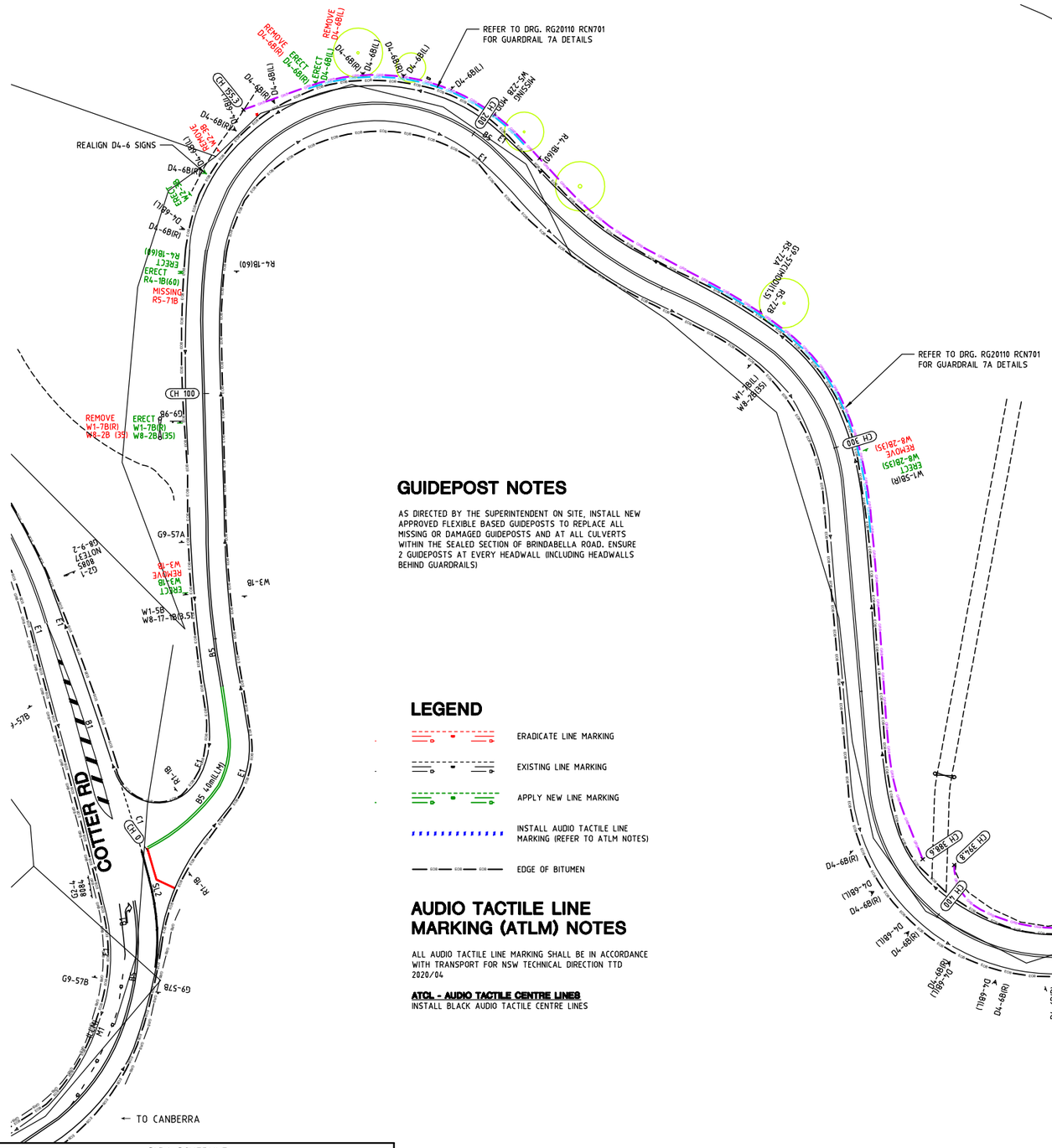
Date: 30/08/21

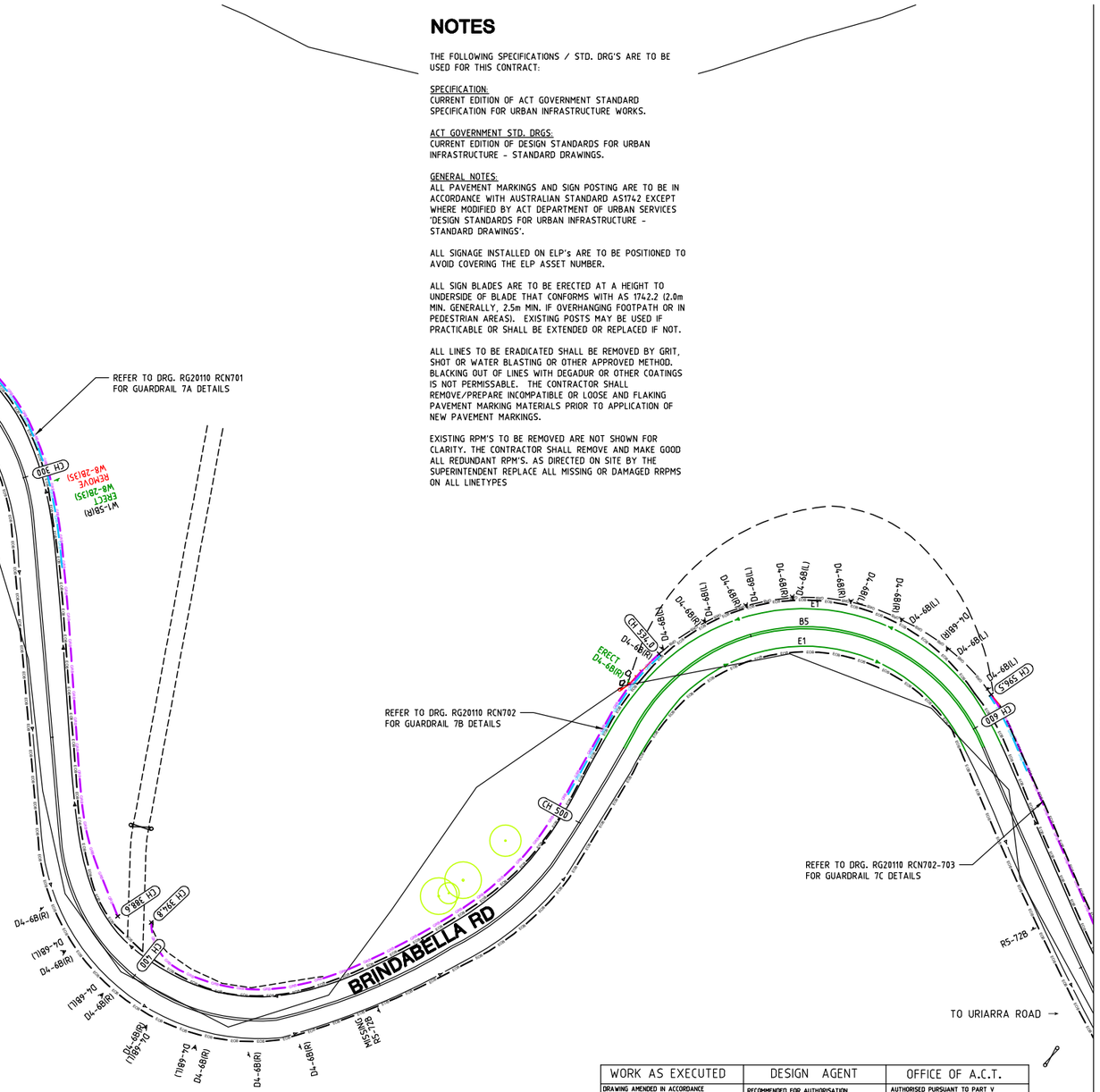
Drawing Title: NOTES AND LEGEND

Drg. No.	Sheet	Revision
RG 20110	NO701	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:25 PM

300mm ON A1 ORIGINAL





GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
D4-6	CHEVRON ALIGNMENT MARKER	R,L	B	2,1
R4-1	SPEED RESTRICTION (60)	-	B	1
W1-7	HAIRPIN BEND	R	B	1
W2-3	T INTERSECTION	-	B	1
W3-1	STOP SIGN AHEAD	-	B	1
W8-2	ADVISORY SPEED	35	B	2
SIGNS TO BE REMOVED				
D4-6	CHEVRON ALIGNMENT MARKER	R,L	B	1,1
W1-7	HAIRPIN BEND	R	B	1
W2-3	T INTERSECTION	-	B	1
W8-2	ADVISORY SPEED	35	B	2

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 1 OF 30

Date	Drg. No.	Sheet	Revision
30/08/21	RG 20110	RTC701	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:25 PM

300mm ON A1 ORIGINAL

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

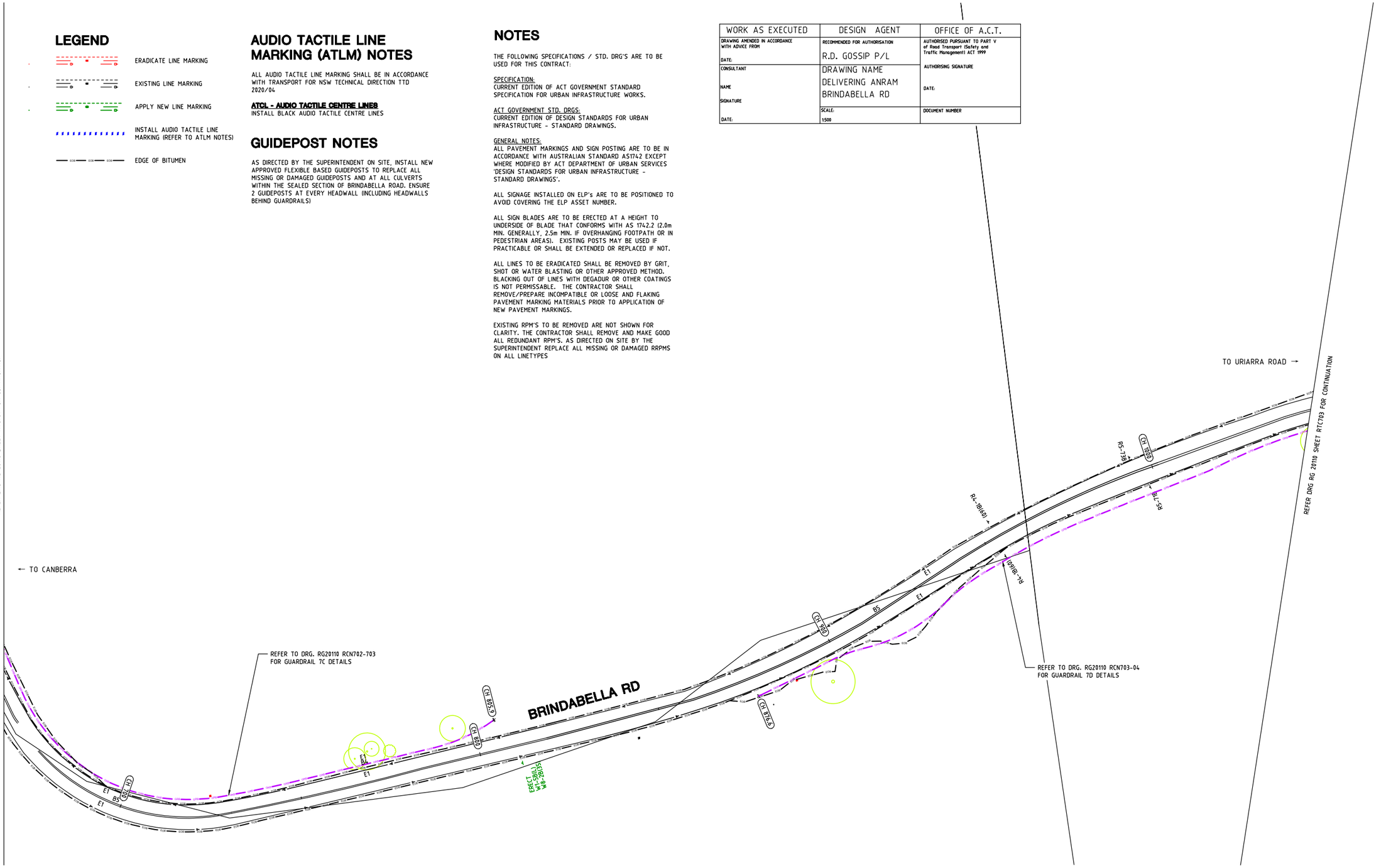
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

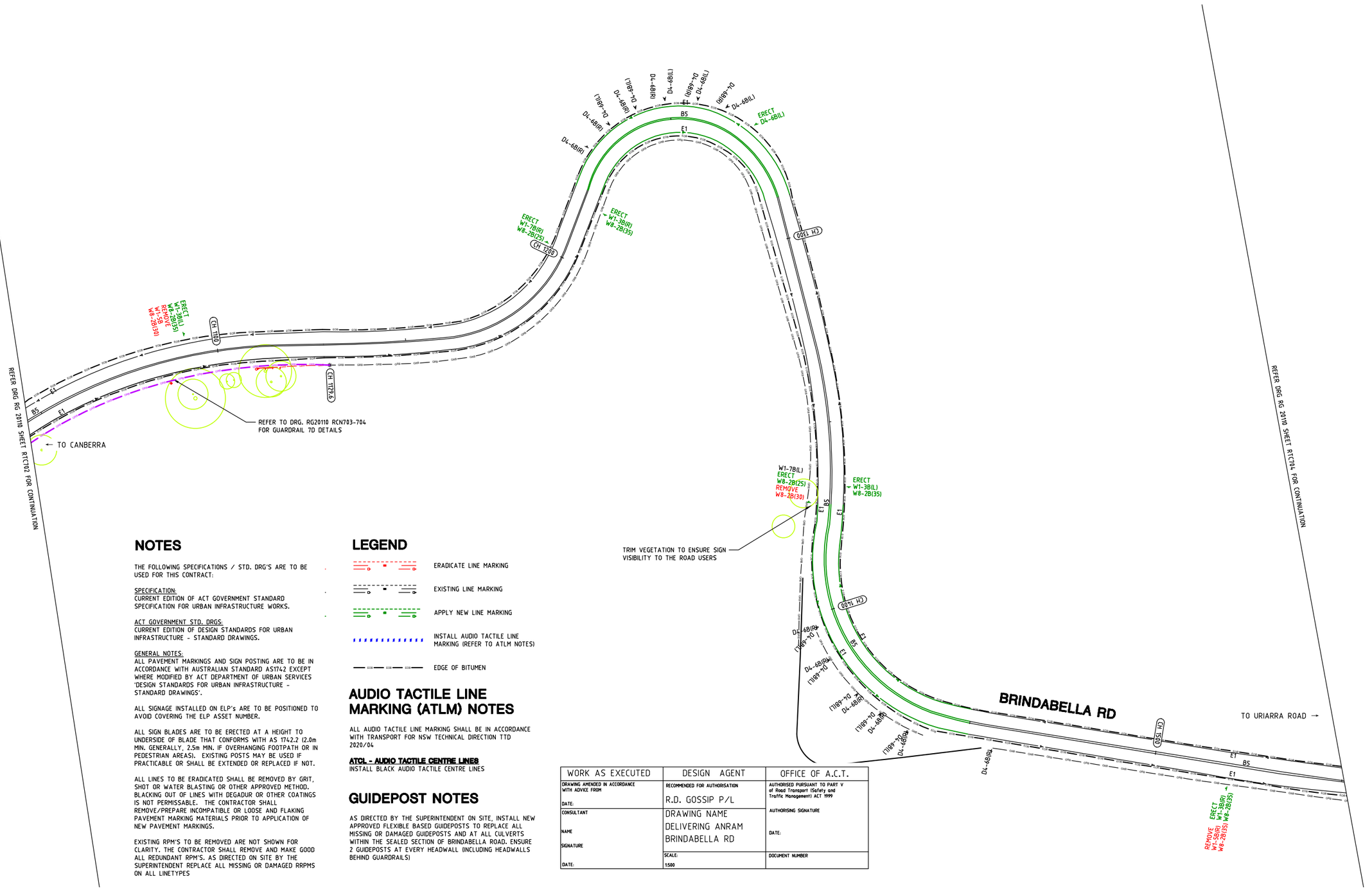
ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER





NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-3	CURVE	L,R	B	2,2
W1-7	HAIRPIN BEND	R	B	1
W8-2	ADVISORY SPEED	25,35	B	2,4
SIGNS TO BE REMOVED				
W1-5	WINDING ROAD	L,R	B	1,1
W8-2	ADVISORY SPEED	30,35	B	2,1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date: 30/08/21

Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 3 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC703	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4.25 PM

300mm ON A1 ORIGINAL

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

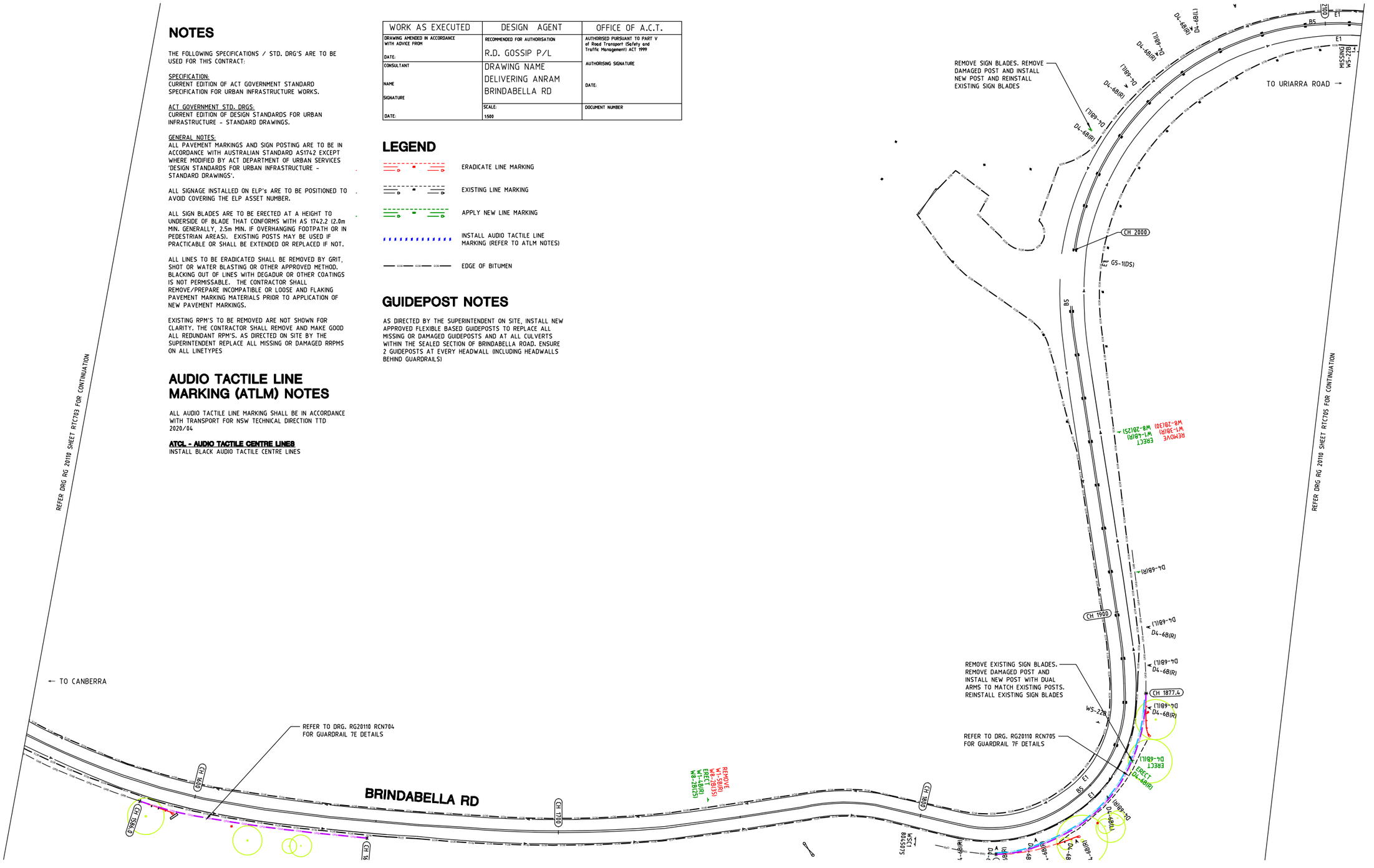
WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER

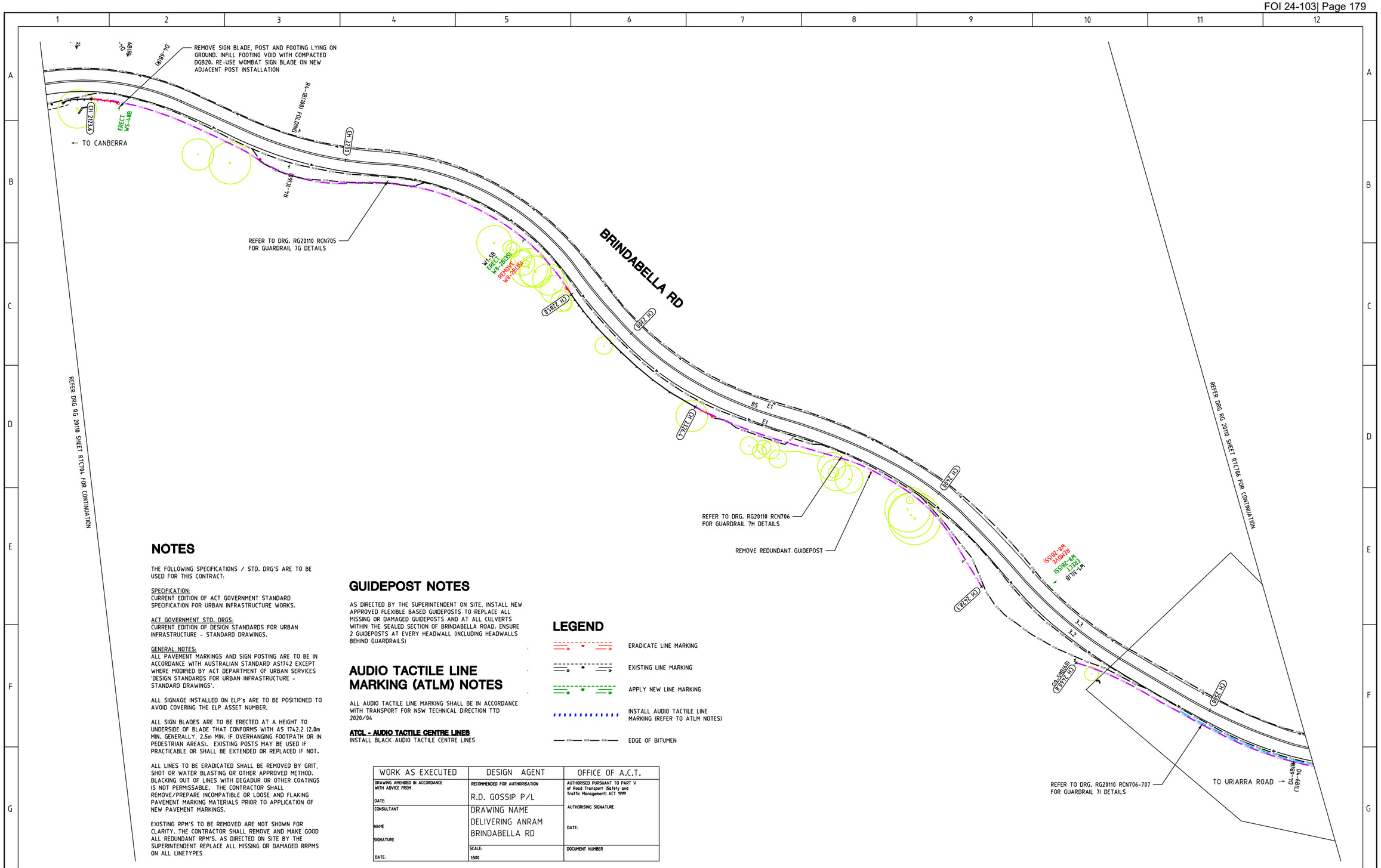
LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)


REFER DRG RG 20110 SHEET RTC703 FOR CONTINUATION
REFER DRG RG 20110 SHEET RTC705 FOR CONTINUATION
REMOVE SIGN BLADES. REMOVE DAMAGED POST AND INSTALL NEW POST AND REINSTALL EXISTING SIGN BLADES
TO URIARRA ROAD →
CH 2000
GS-1(DS)
BS
E1
MISSING W1-4L
D4-6B(R)
D4-6B(L)
← TO CANBERRA
REFER TO DRG. RG20110 RCN704 FOR GUARDRAIL 7E DETAILS
BRINDABELLA RD
CH 1600
CH 1700
CH 1800
CH 1900
CH 1877.4
REMOVE EXISTING SIGN BLADES. REMOVE DAMAGED POST AND INSTALL NEW POST WITH DUAL ARMS TO MATCH EXISTING POSTS. REINSTALL EXISTING SIGN BLADES
REFER TO DRG. RG20110 RCN705 FOR GUARDRAIL 7F DETAILS
REMOVE W1-5R(R) W8-2B(25) ERECT W1-4B(R) W8-2B(30)
ERECT W1-5R(R) W8-2B(25) REMOVE W1-4B(R) W8-2B(30)
ERECT D4-6B(R)
WS-226
WS-227
WS-228
WS-229
WS-230
WS-231
WS-232
WS-233
WS-234
WS-235
WS-236
WS-237
WS-238
WS-239
WS-240
WS-241
WS-242
WS-243
WS-244
WS-245
WS-246
WS-247
WS-248
WS-249
WS-250
WS-251
WS-252
WS-253
WS-254
WS-255
WS-256
WS-257
WS-258
WS-259
WS-260
WS-261
WS-262
WS-263
WS-264
WS-265



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W8-2	ADVISORY SPEED	35,55	B	1,1
SIGNS TO BE REMOVED				
W8-2	ADVISORY SPEED	35,55	B	1,1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date
30/08/21

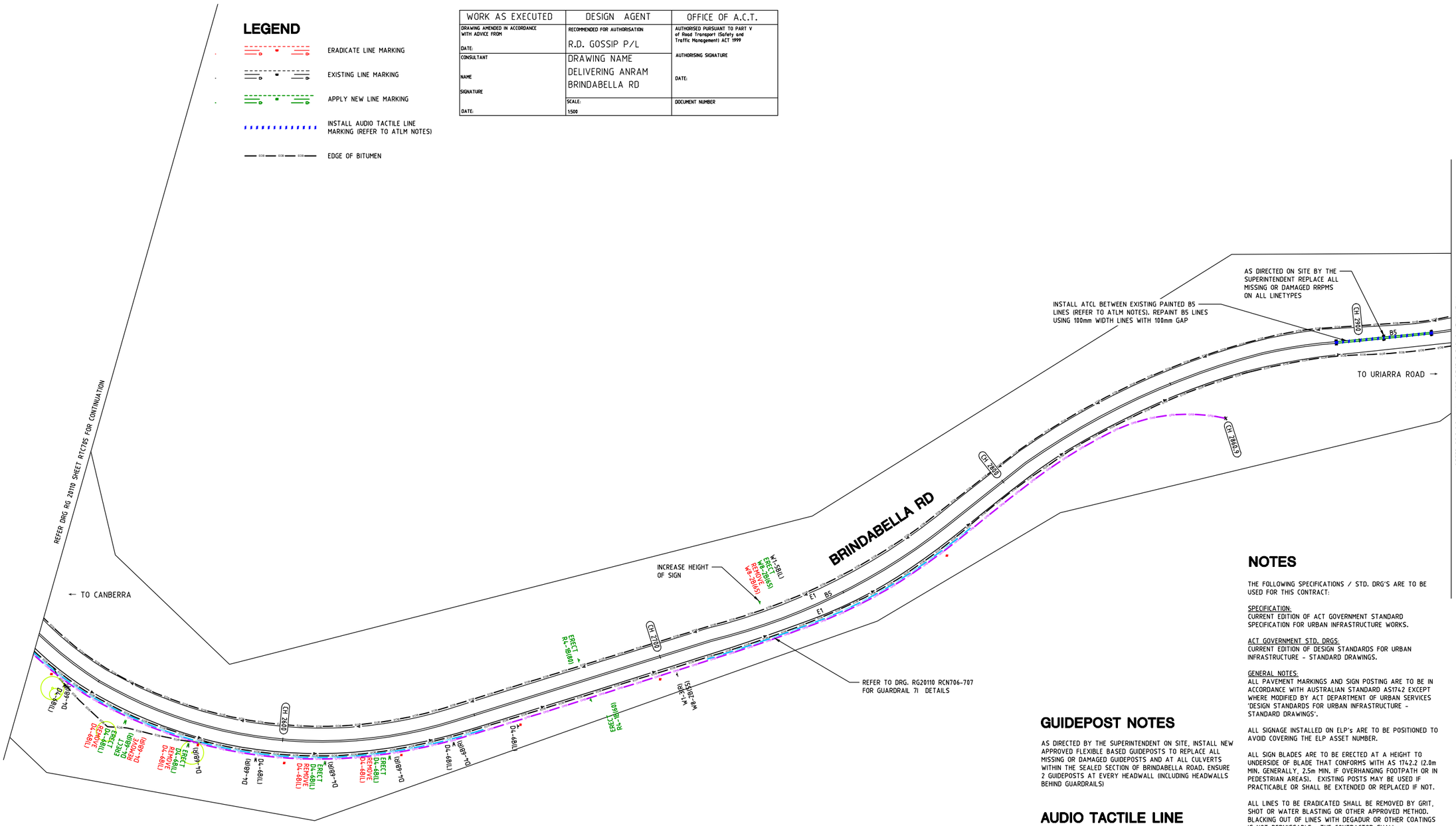
Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 5 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC705	0

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
D4-6	CHEVRON ALIGNMENT MARKER	L,R	B	4,1
R4-1	SPEED RESTRICTION (80)	-	B	1
R4-1	SPEED RESTRICTION (60)	-	B	1
W8-2	ADVISORY SPEED	65	B	1
SIGNS TO BE REMOVED				
D4-6	CHEVRON ALIGNMENT MARKER	L,R	B	4,1
W8-2	ADVISORY SPEED	65	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6393
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

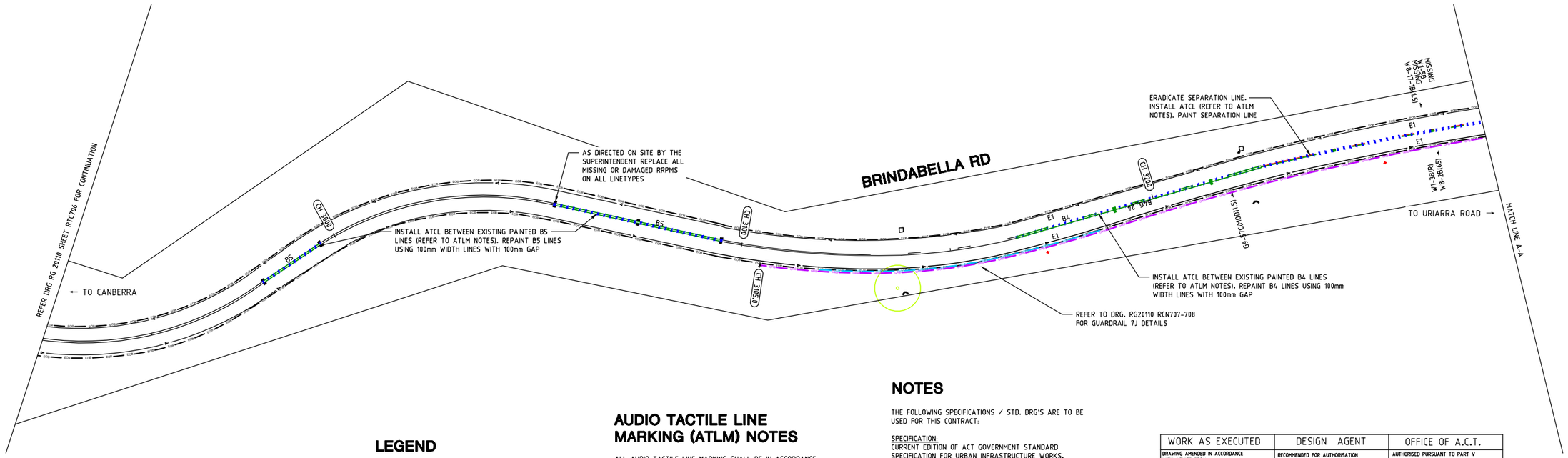
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date 30/08/21

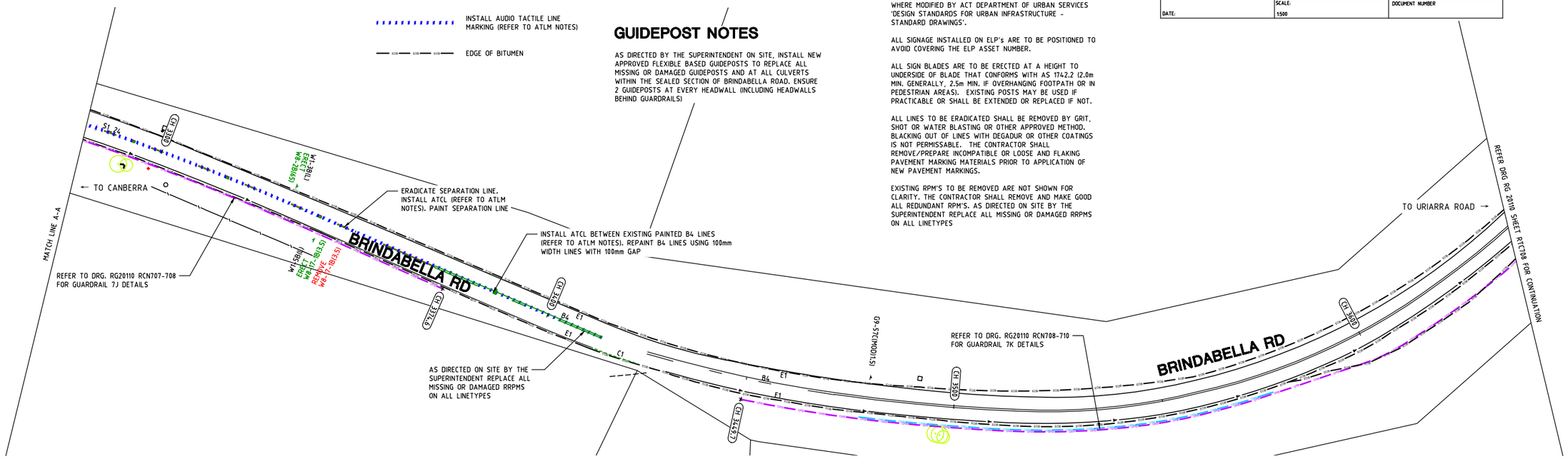
Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 6 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC706	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:25 PM

300mm ON A1 ORIGINAL





LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS.
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W8-2	ADVISORY SPEED	65	B	1
W8-17-1	NEXT (3.5km)	-	B	1
SIGNS TO BE REMOVED				
W8-17-1	NEXT (3.5km)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Proven Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date: 30/08/21

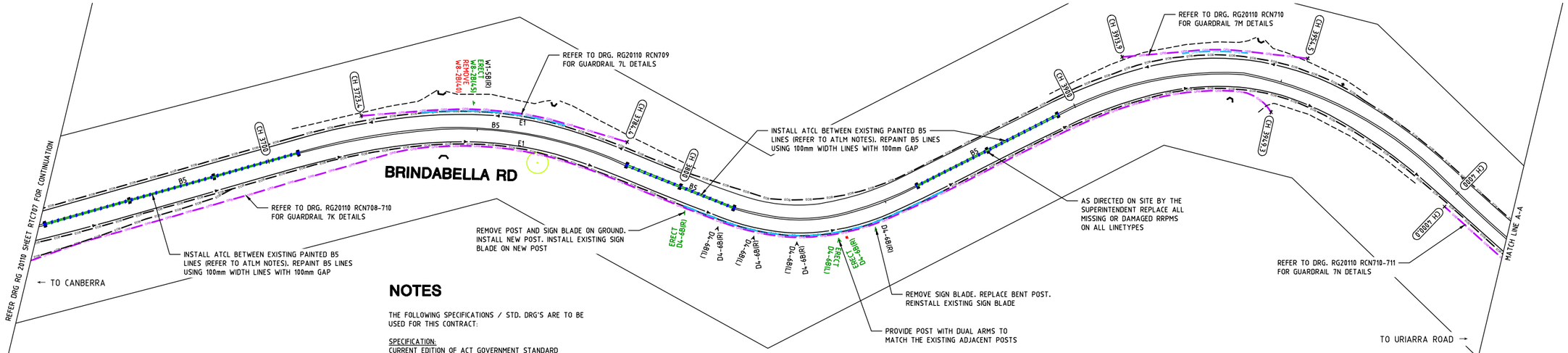
Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 7 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC707	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:25 PM

300mm ON A1 ORIGINAL



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

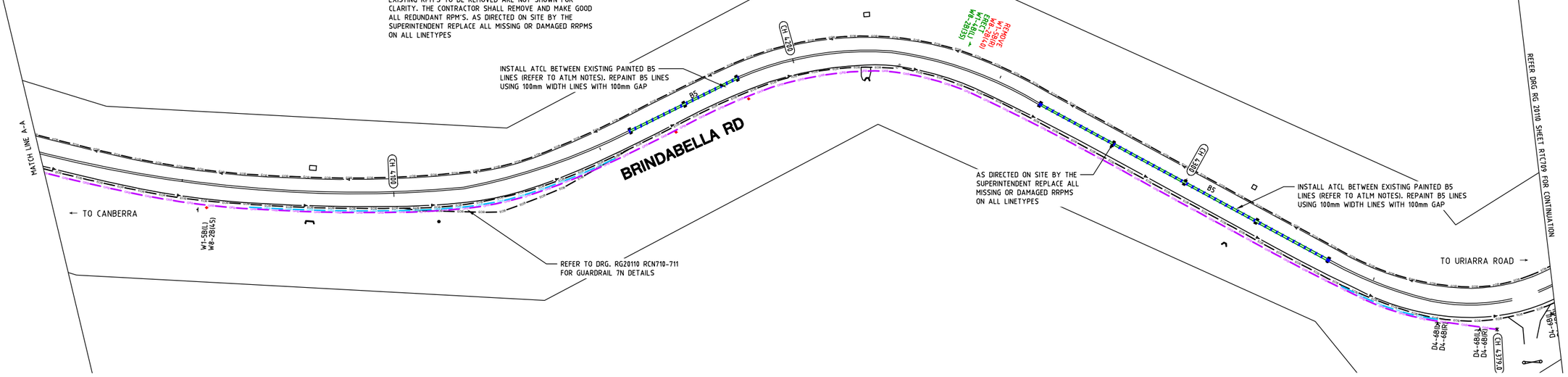
ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	DATE: SCALE: 1:500 DOCUMENT NUMBER

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
D4-6	CHEVRON ALIGNMENT MARKER	L,R	B	1,2
W1-4	REVERSE CURVE	L	B	1
W8-2	ADVISORY SPEED	35,45	B	2
SIGNS TO BE REMOVED				
W1-5	WINDING ROAD	R	B	1
W8-2	ADVISORY SPEED	40	B	2

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

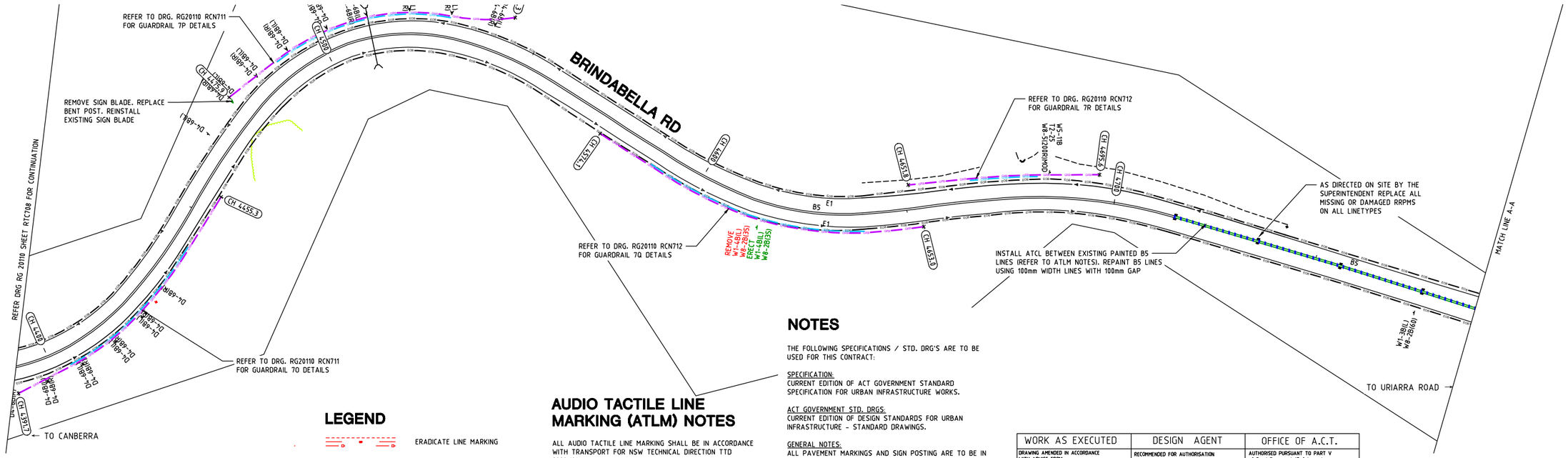
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN
- SHEET 8 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC708	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:25 PM

300mm ON A1 ORIGINAL



LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

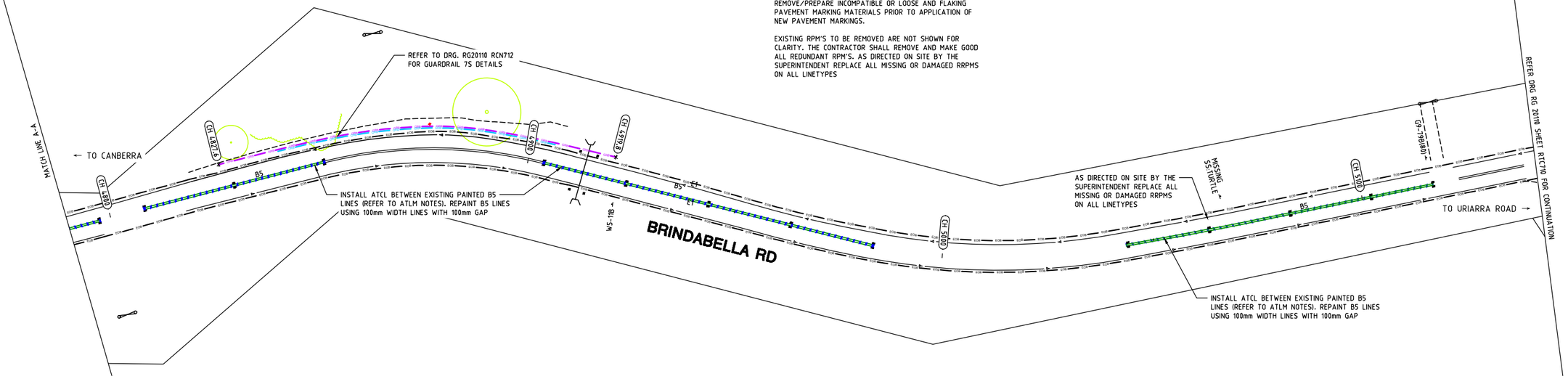
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-4	REVERSE CURVE	L	B	1
W8-2	ADVISORY SPEED	35	B	1
SIGNS TO BE REMOVED				
W1-4	REVERSE CURVE	L	B	1
W8-2	ADVISORY SPEED	35	B	1

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

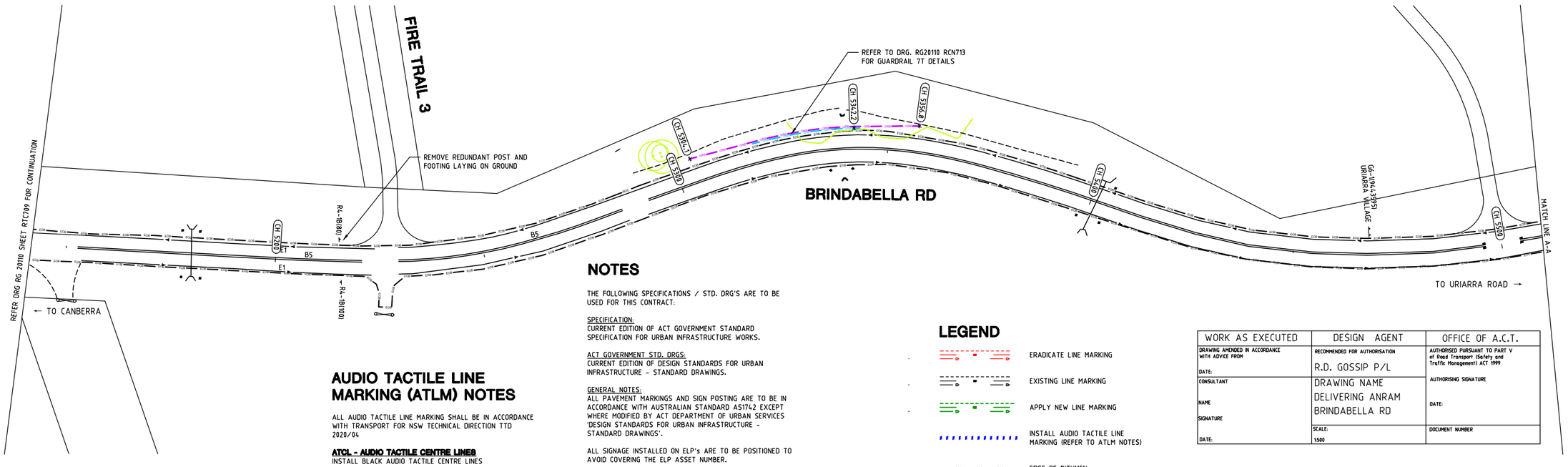
Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date
30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 9 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC709	0



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

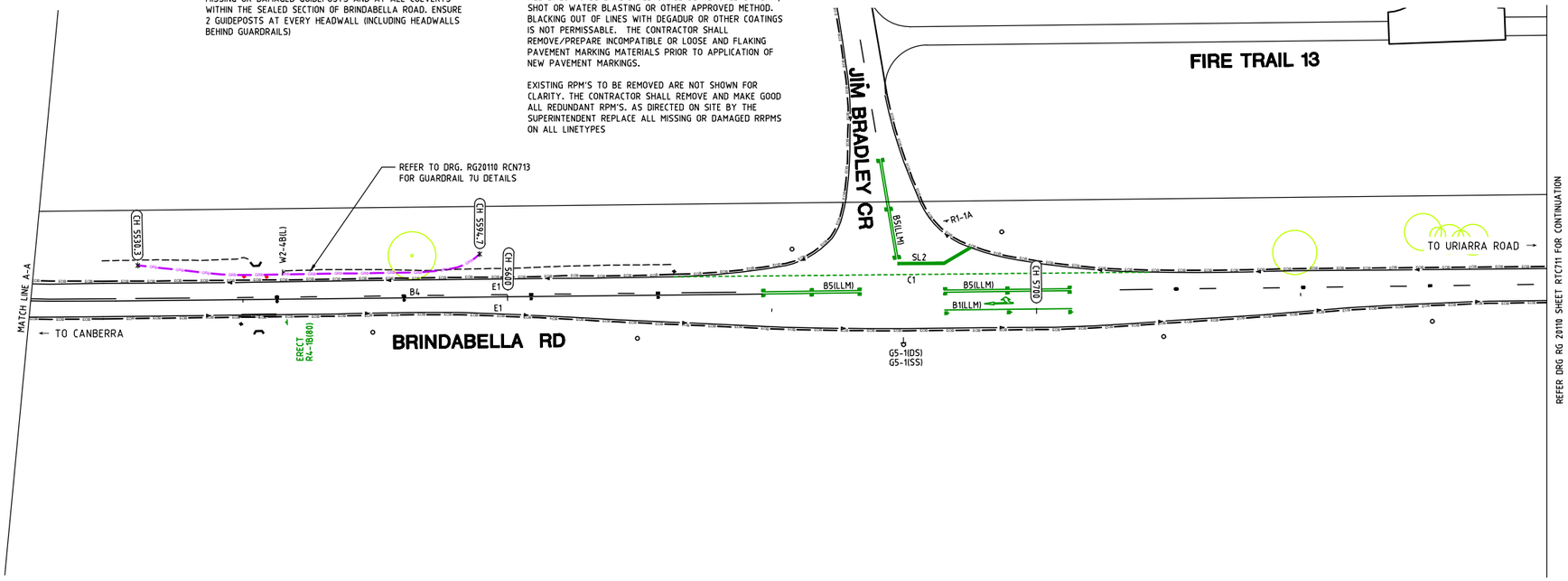
GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: DATE: 1500	DOCUMENT NUMBER



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Prevan Street
Campbell ACT 2612
Ph. 02 6251 6313

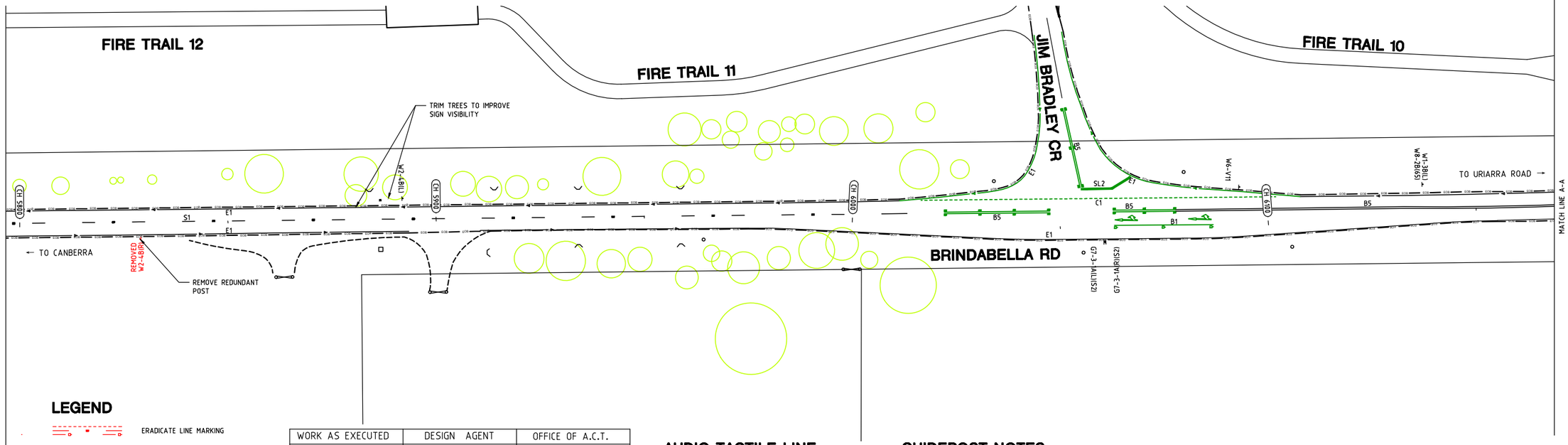
Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 10 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC710	0



LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

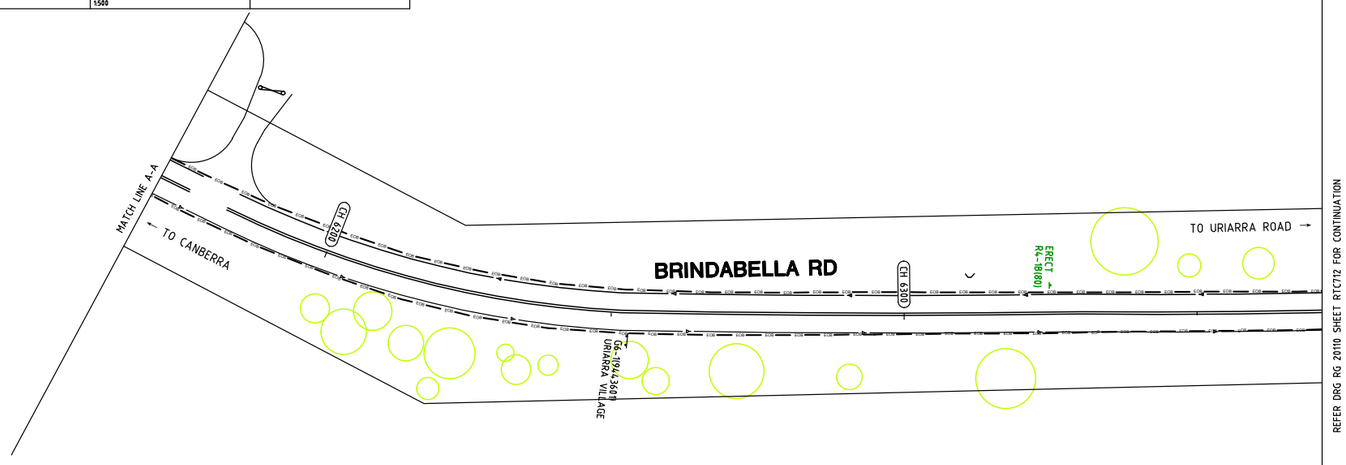
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prowse Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

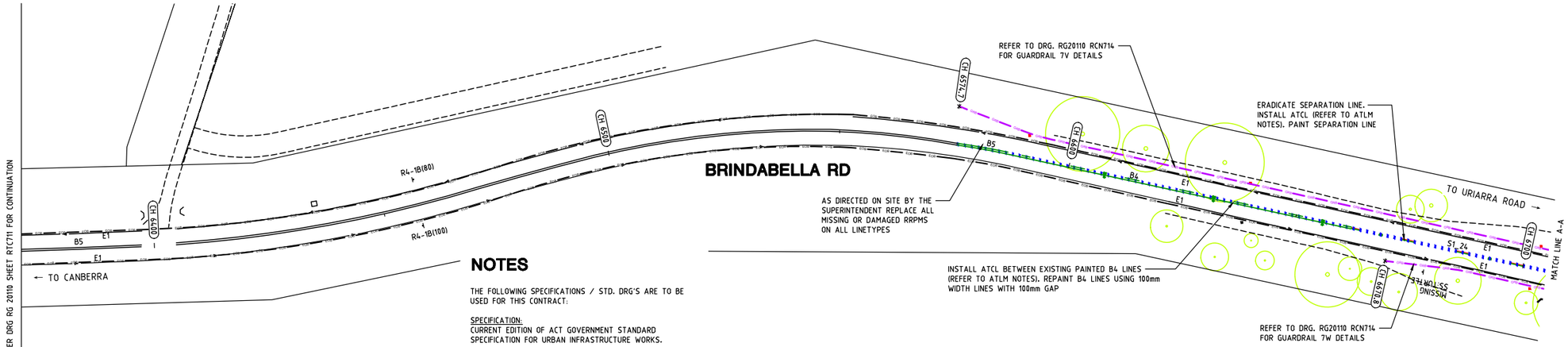
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 11 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC711	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:25 PM

300mm ON A1 ORIGINAL



LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

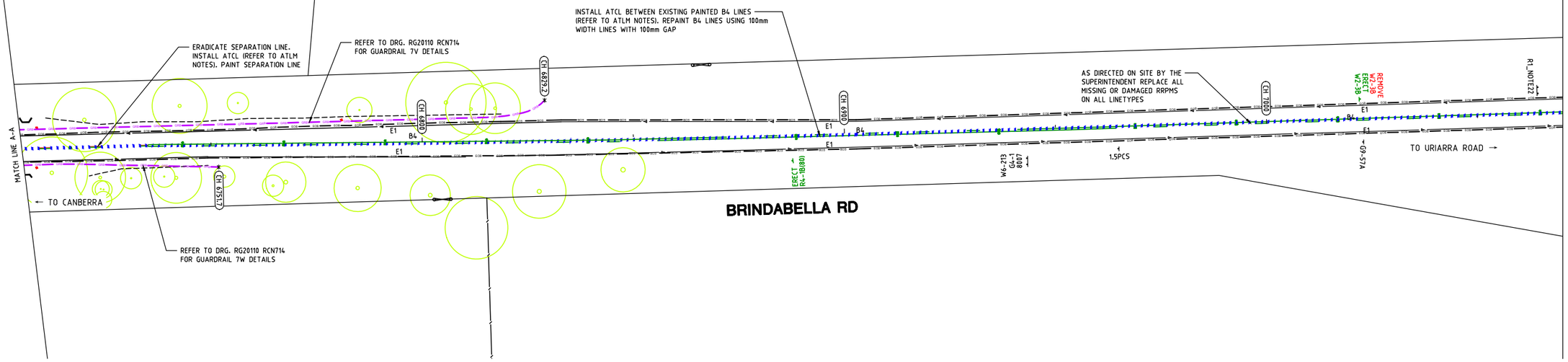
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
W2-3	T INTERSECTION	-	B	1
SIGNS TO BE REMOVED				
W2-3	T INTERSECTION	-	B	1

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6393

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

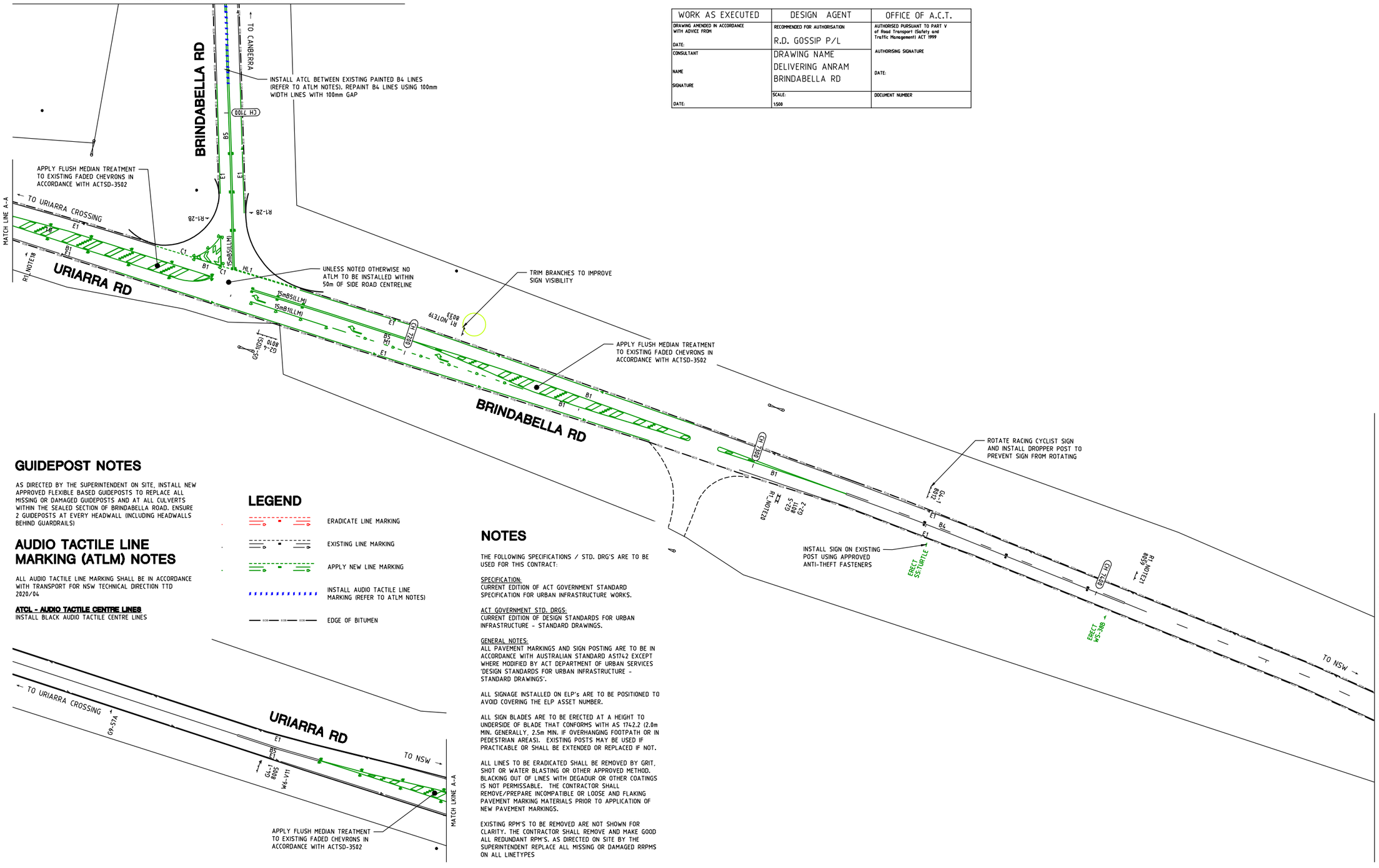
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 12 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC712	0



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.2 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
WS-38	STOCK	-	B	1
SS	TURTLE	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Prevan Street
Campbell ACT 2612
Ph. 02 6251 6313

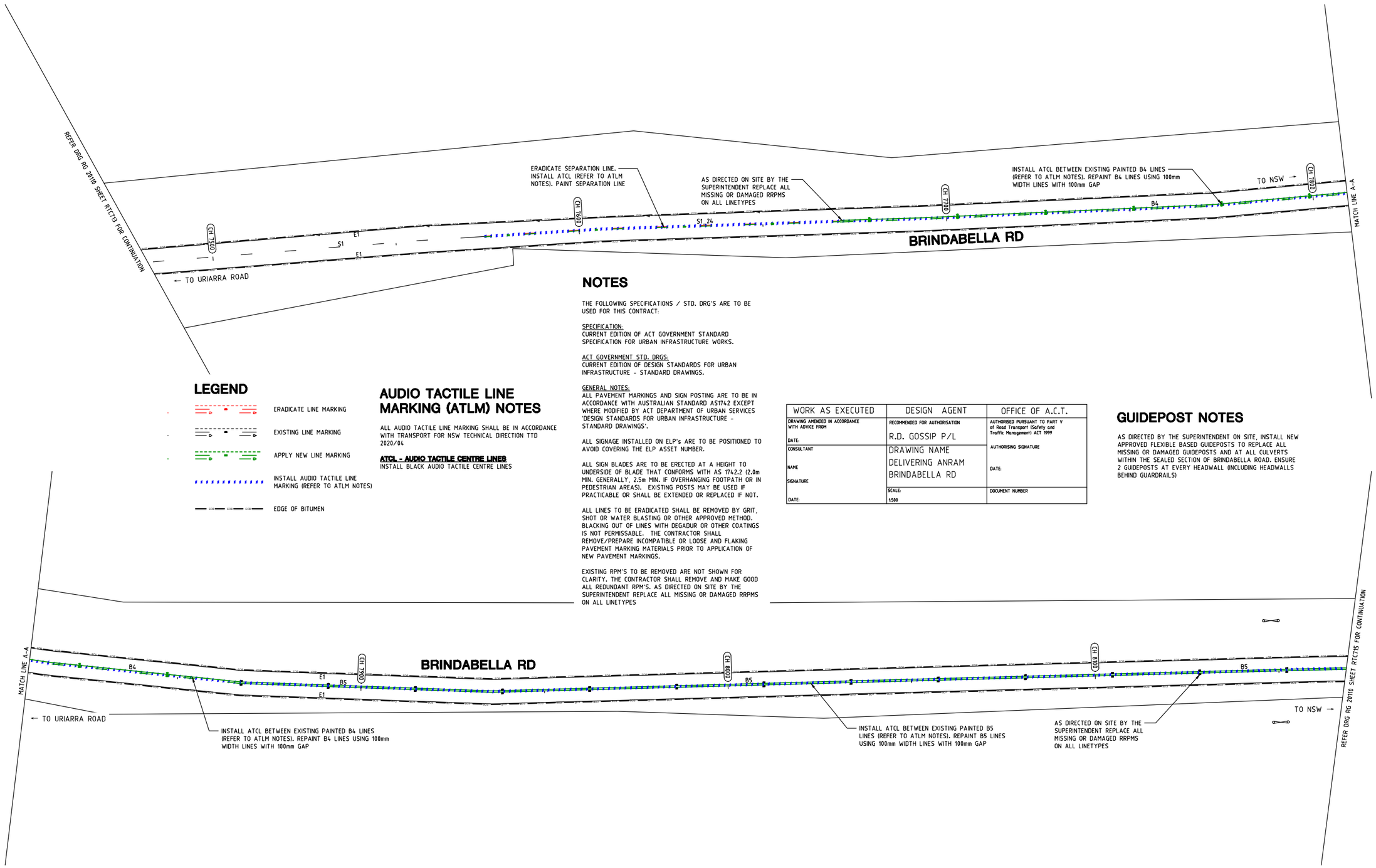
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 13 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC713	0



LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM	RECOMMENDED FOR AUTHORISATION	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
DATE:	R.D. GOSSIP P/L	AUTHORISING SIGNATURE
CONSULTANT	DRAWING NAME	
NAME	DELIVERING ANRAM BRINDABELLA RD	DATE:
SIGNATURE	SCALE: 1:500	DOCUMENT NUMBER
DATE:		

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF:
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date: 30/08/21

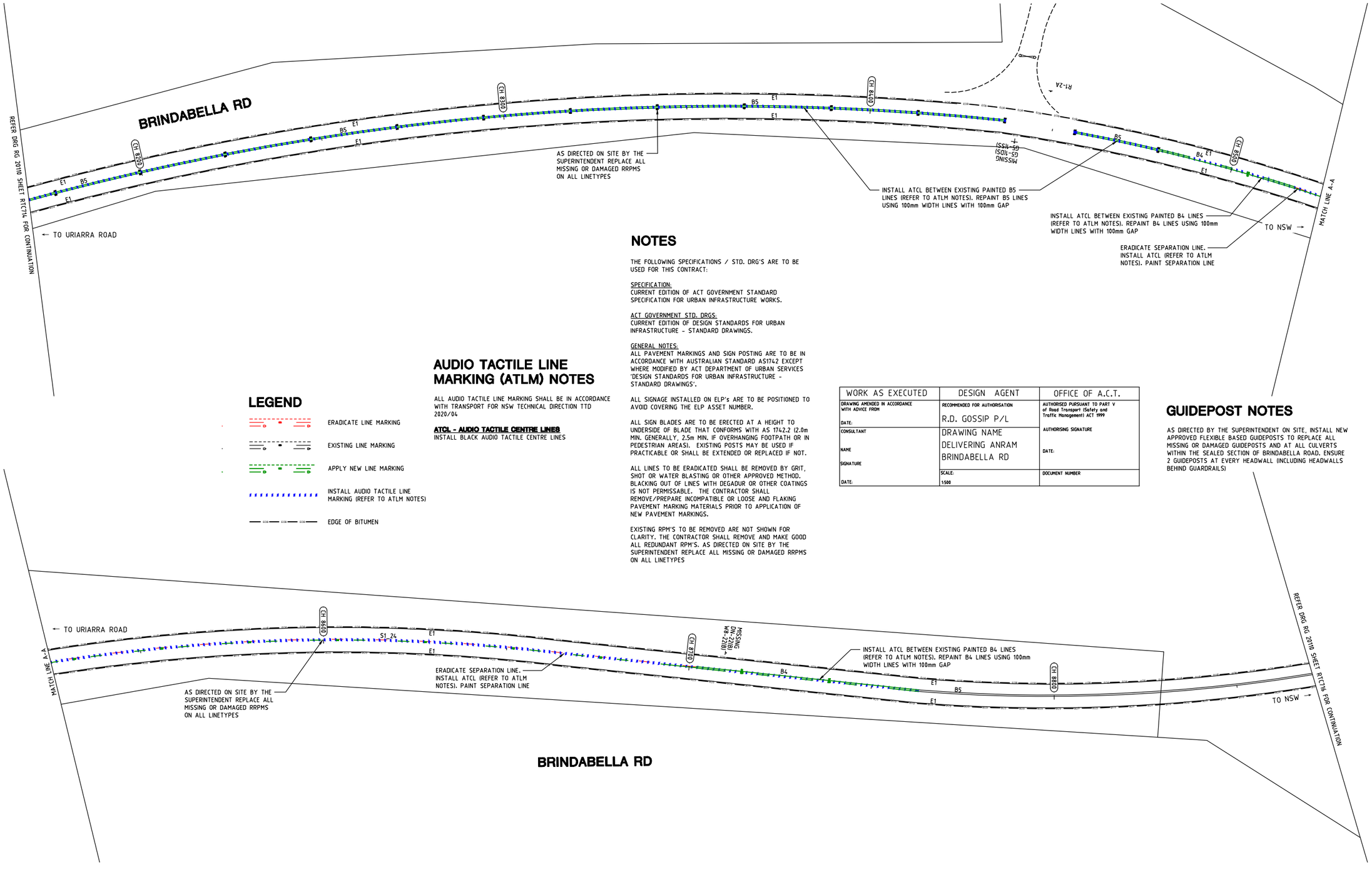
Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 14 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC714	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6393

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

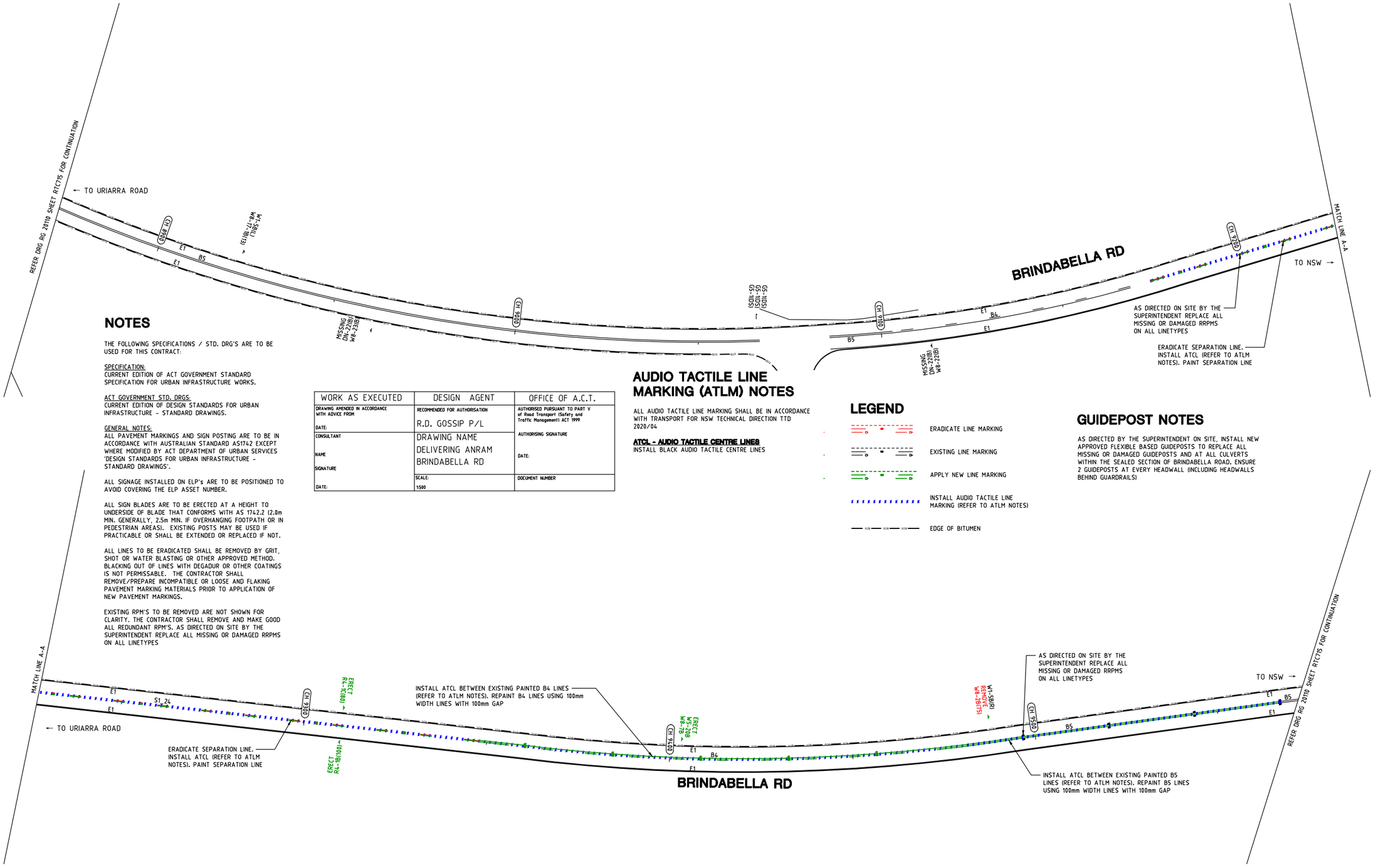
Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 15 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC715	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (100)	-	B	1
R4-1	SPEED RESTRICTION (80)	-	B	1
W5-20	SLIPPERY	-	B	1
W8-7	WHEN WET	-	B	1
SIGNS TO BE REMOVED				
W8-17-1	NEXT (7km)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

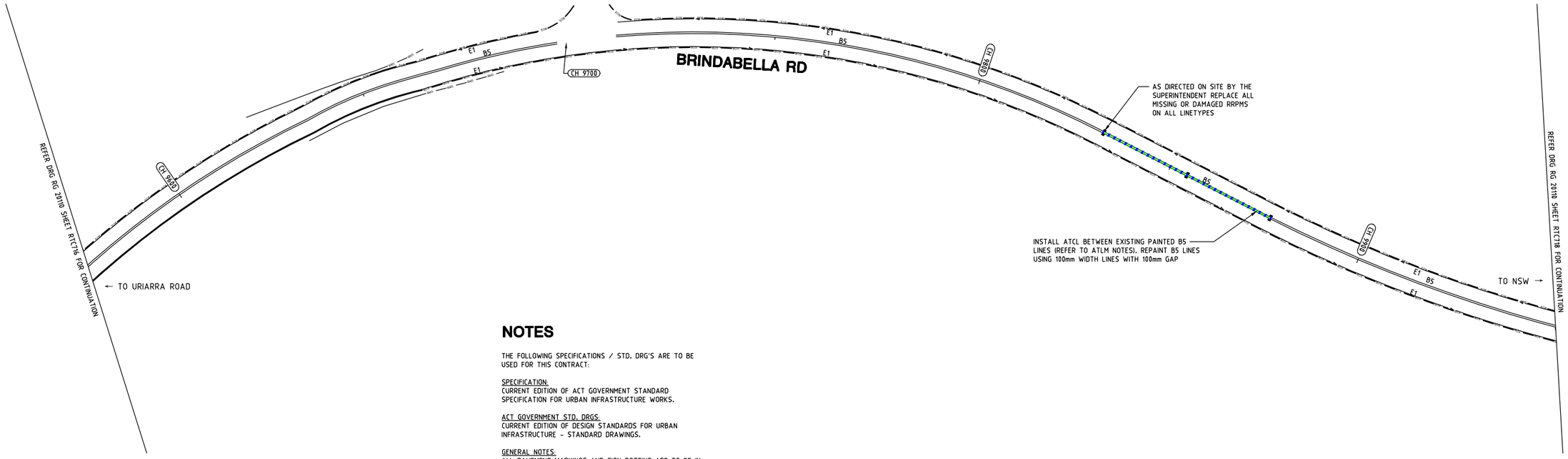
Date
30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 16 OF 30

Org. No.	Sheet	Revision
RG 20110	RTC716	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS.
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date: 30/08/21

Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 17 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC717	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

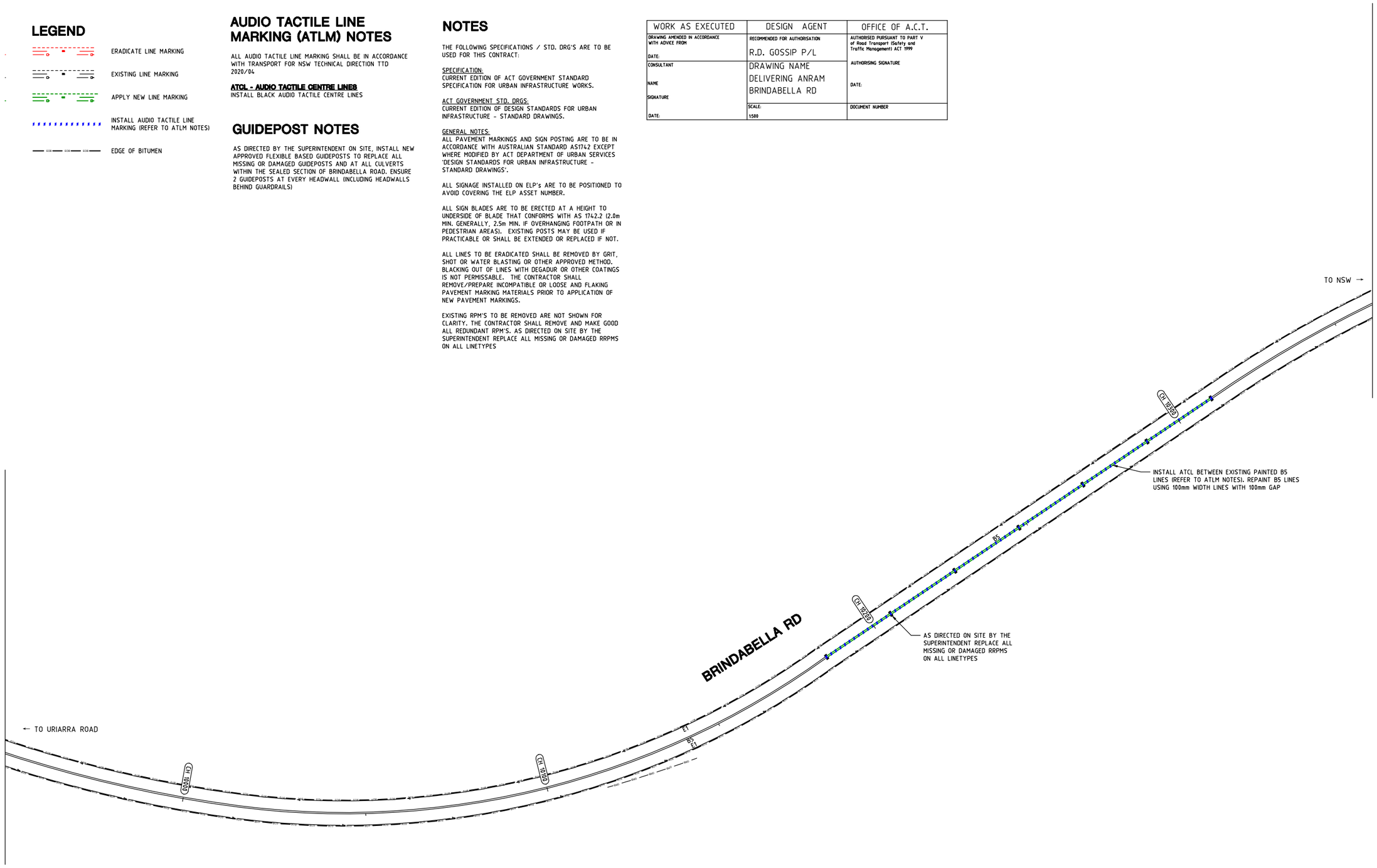
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6393

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

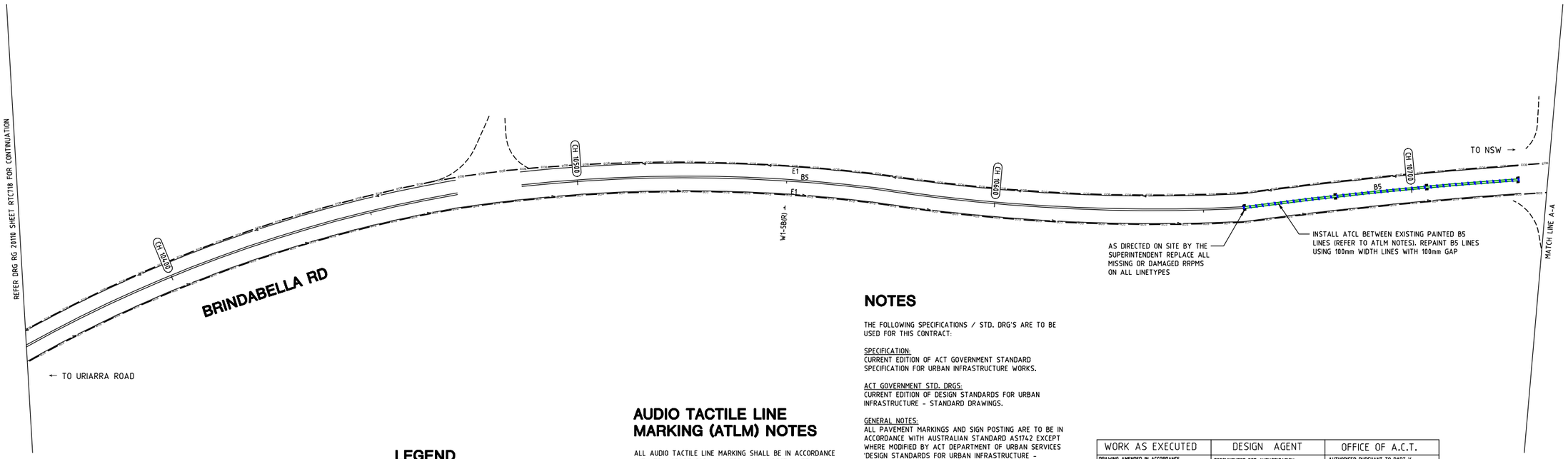
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 18 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC718	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

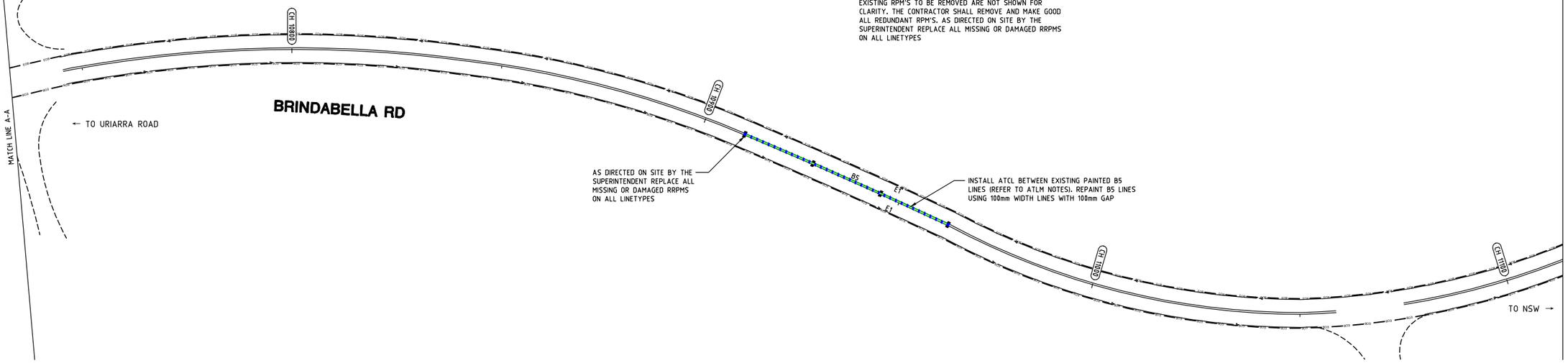
ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD SCALE: 1500	DATE: DOCUMENT NUMBER

REFER DRG RG 20110 SHEET RTC720 FOR CONTINUATION



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prowse Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

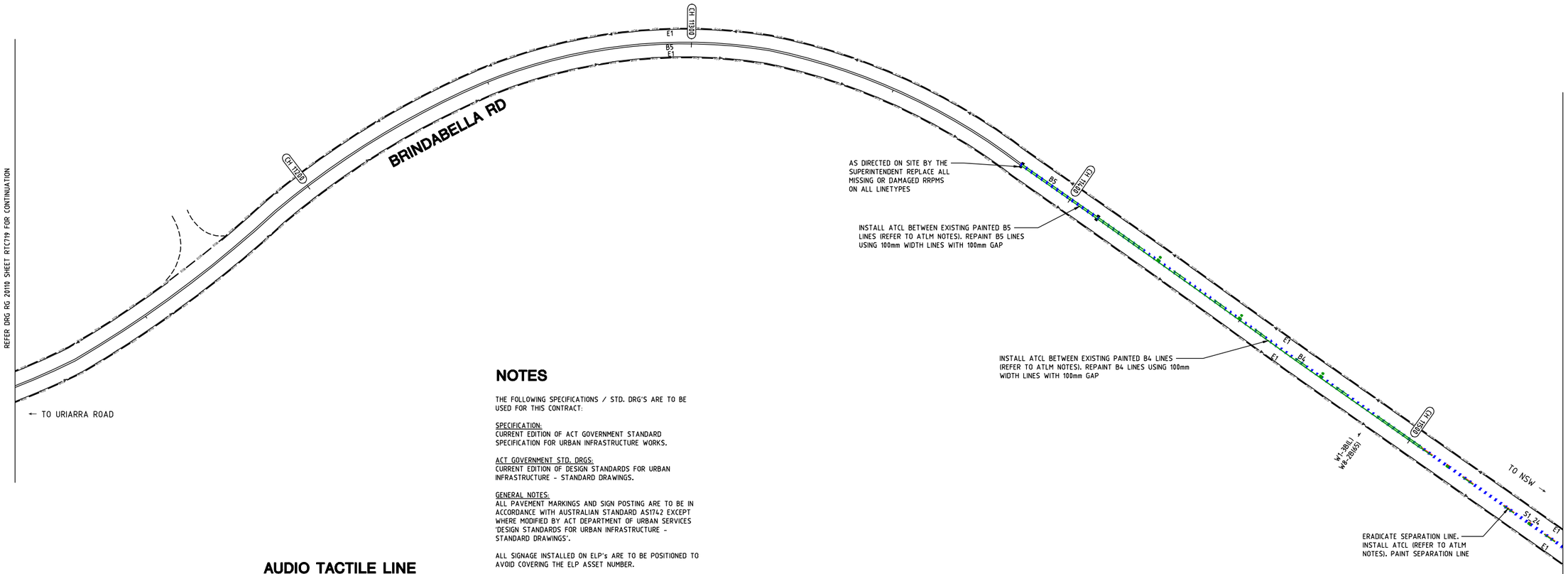
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 19 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC719	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

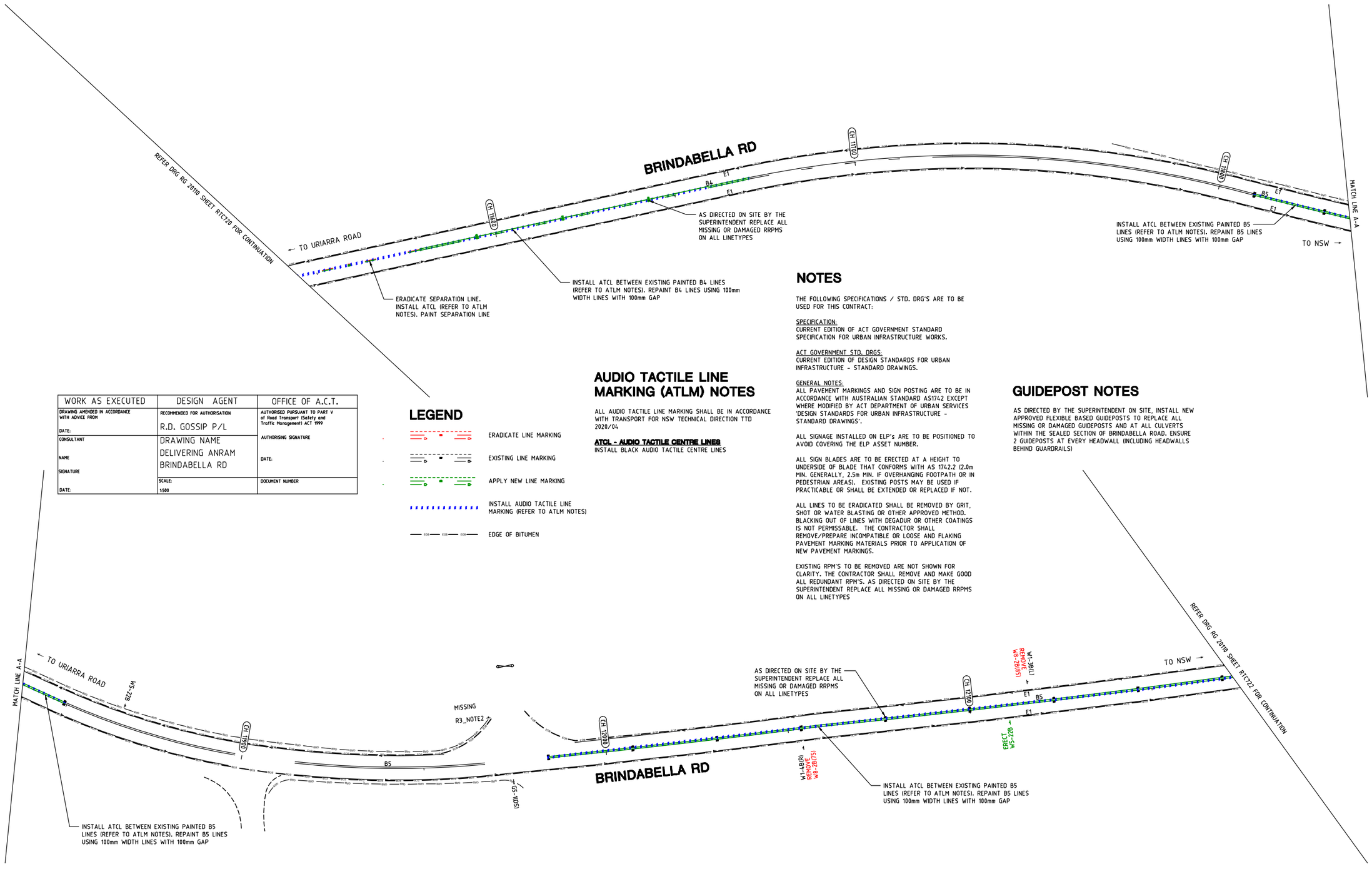
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 20 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC720	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W8-2	ADVISORY SPEED	7S,8S	B	1,1
W5-22	TRUCKS CROSSING	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 21 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC721	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

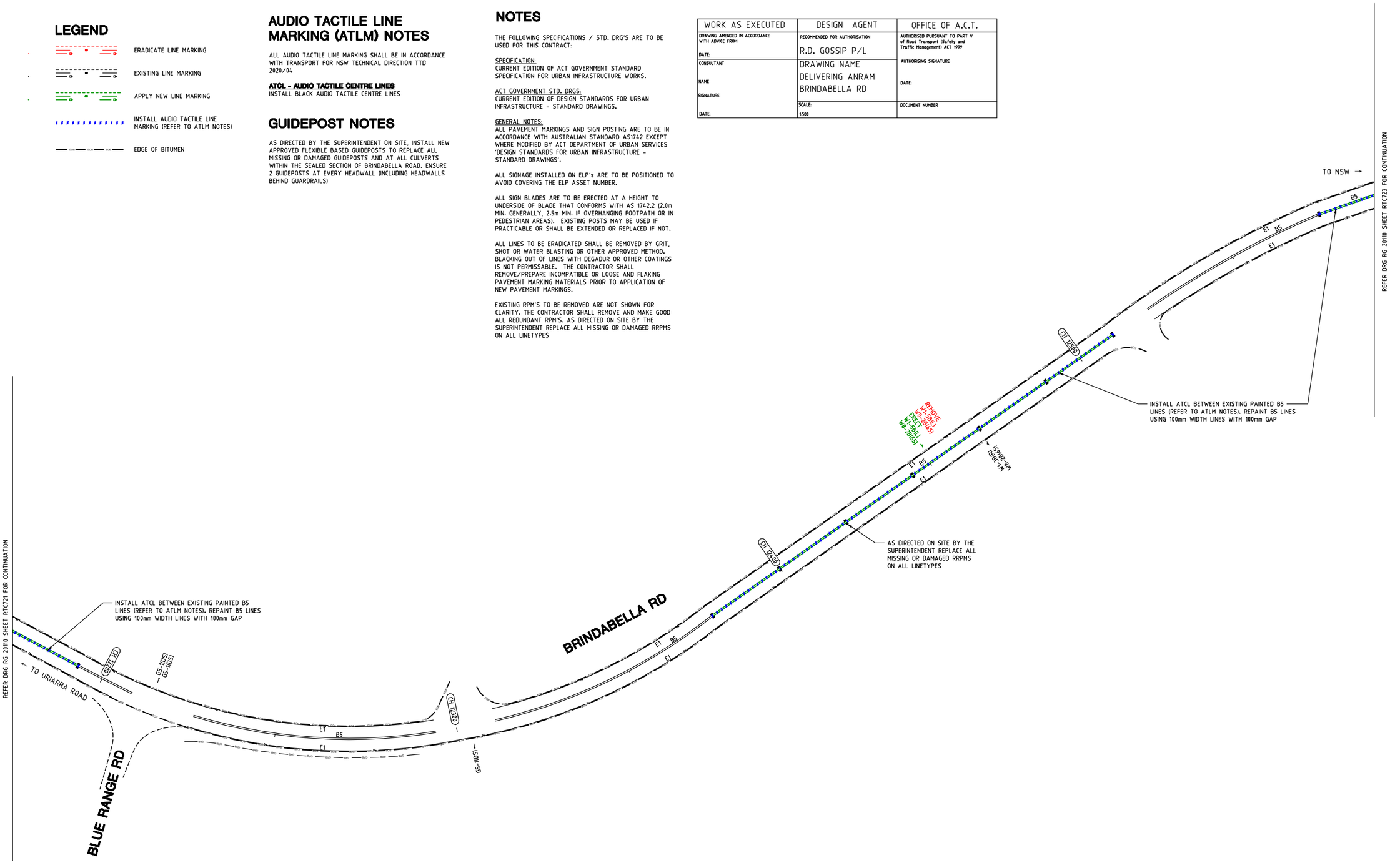
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD SCALE: 1:500	DATE: DOCUMENT NUMBER



SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-5	WINDING ROAD	L	B	1
W8-2	ADVISORY SPEED	65	B	1
SIGNS TO BE REMOVED				
W1-5	WINDING ROAD	L	B	1
W8-2	ADVISORY SPEED	65	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6393

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

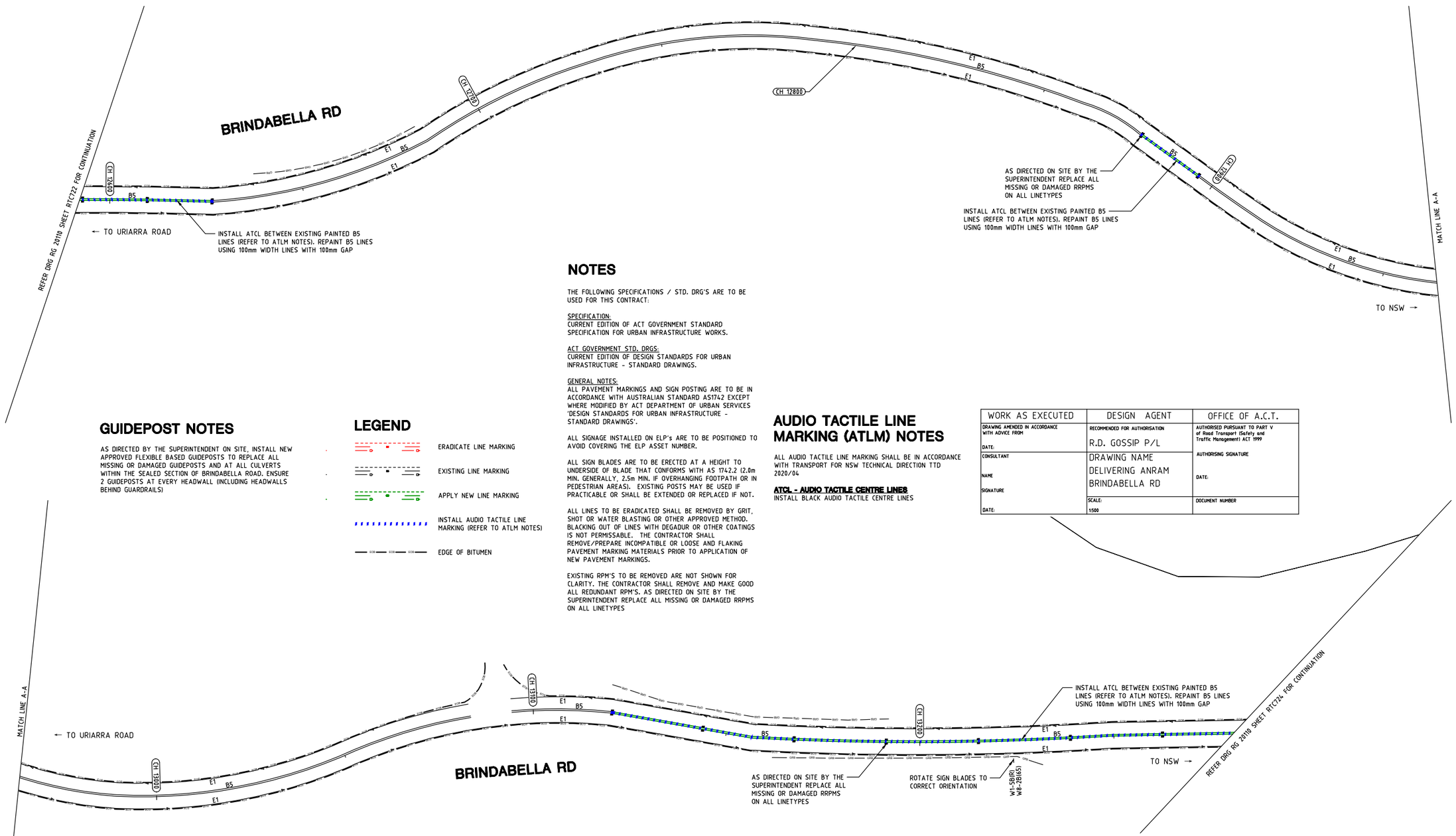
Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 22 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC722	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD SCALE: 1:500	DATE: DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

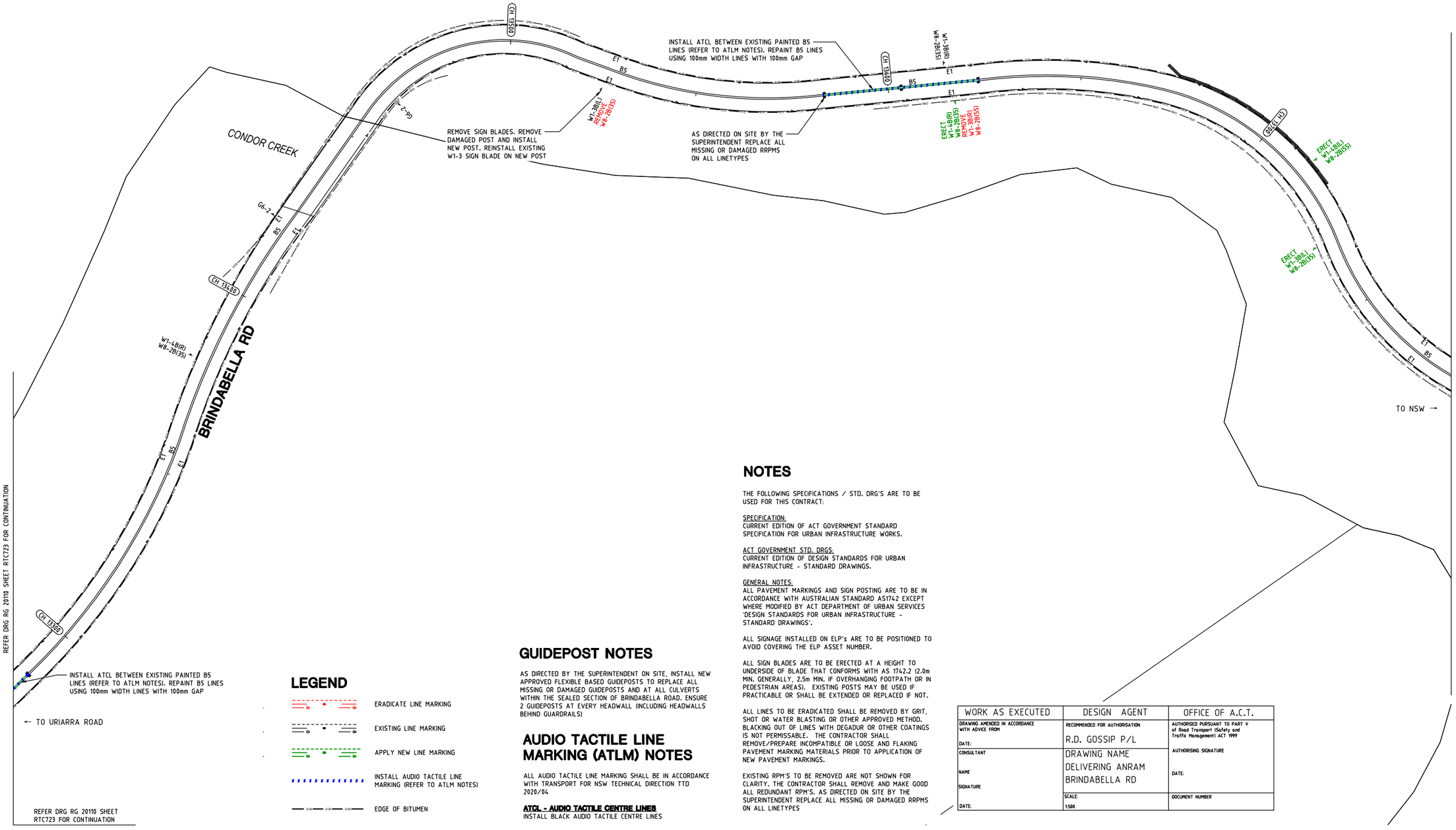
Drawing Title

TRAFFIC CONTROL DEVICE PLAN - SHEET 23 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC723	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL


CONDOR CREEK
BRINDABELLA RD
CH 13510
CH 13600
CH 13700
CH 13800
CH 13900
CH 14000
CH 14100
CH 14200
CH 14300
CH 14400
CH 14500
CH 14600
CH 14700
CH 14800
CH 14900
CH 15000
CH 15100
CH 15200
CH 15300
CH 15400
CH 15500
CH

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

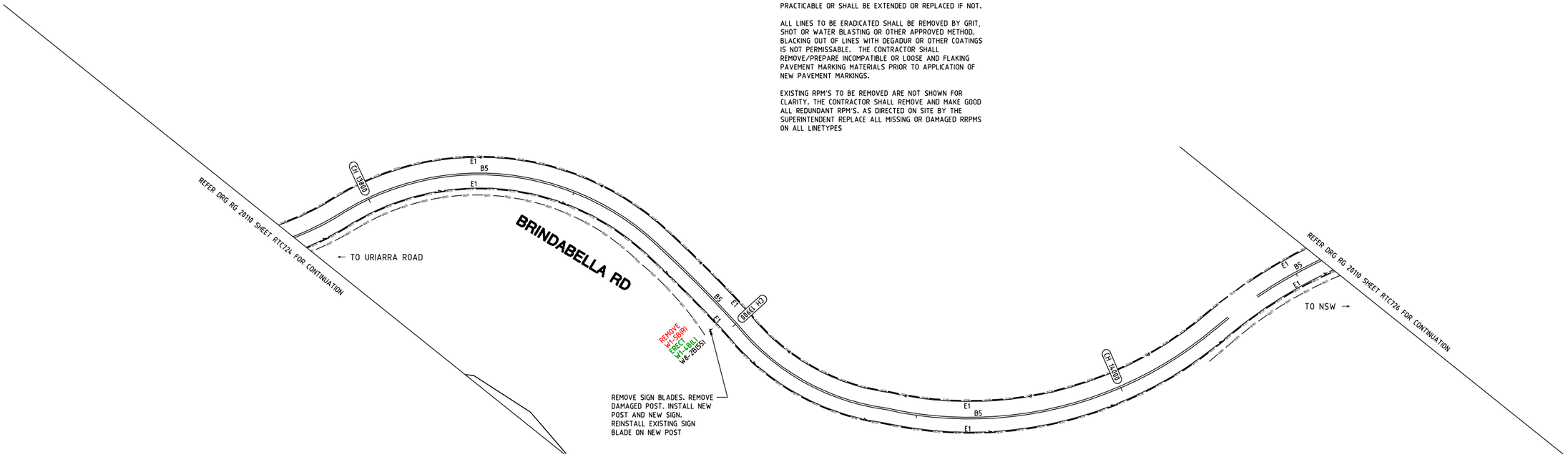
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-4	REVERSE CURVE	L	B	1
SIGNS TO BE REMOVED				
W1-5	WINDING ROAD	R	B	1

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 25 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC725	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS.
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

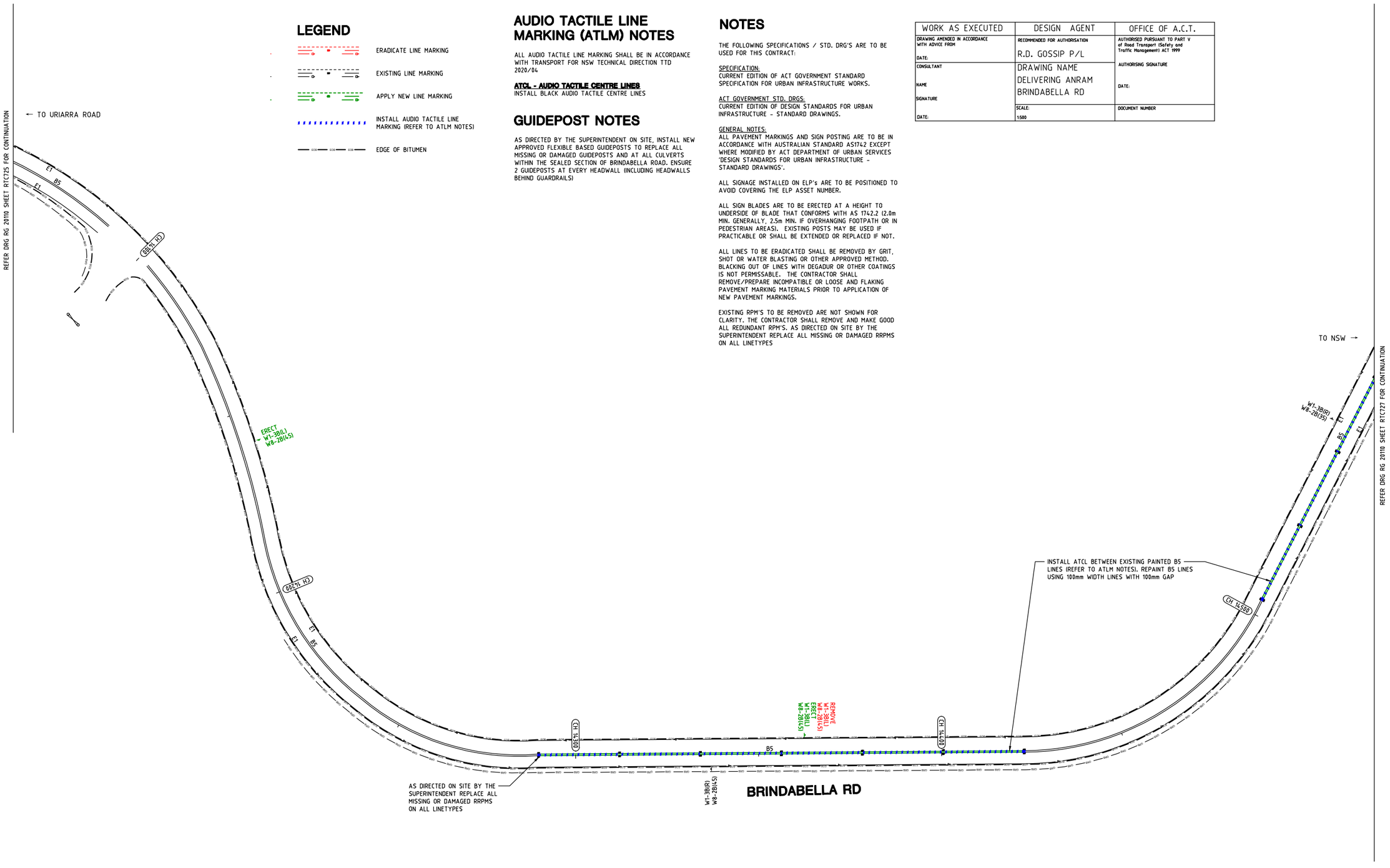
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

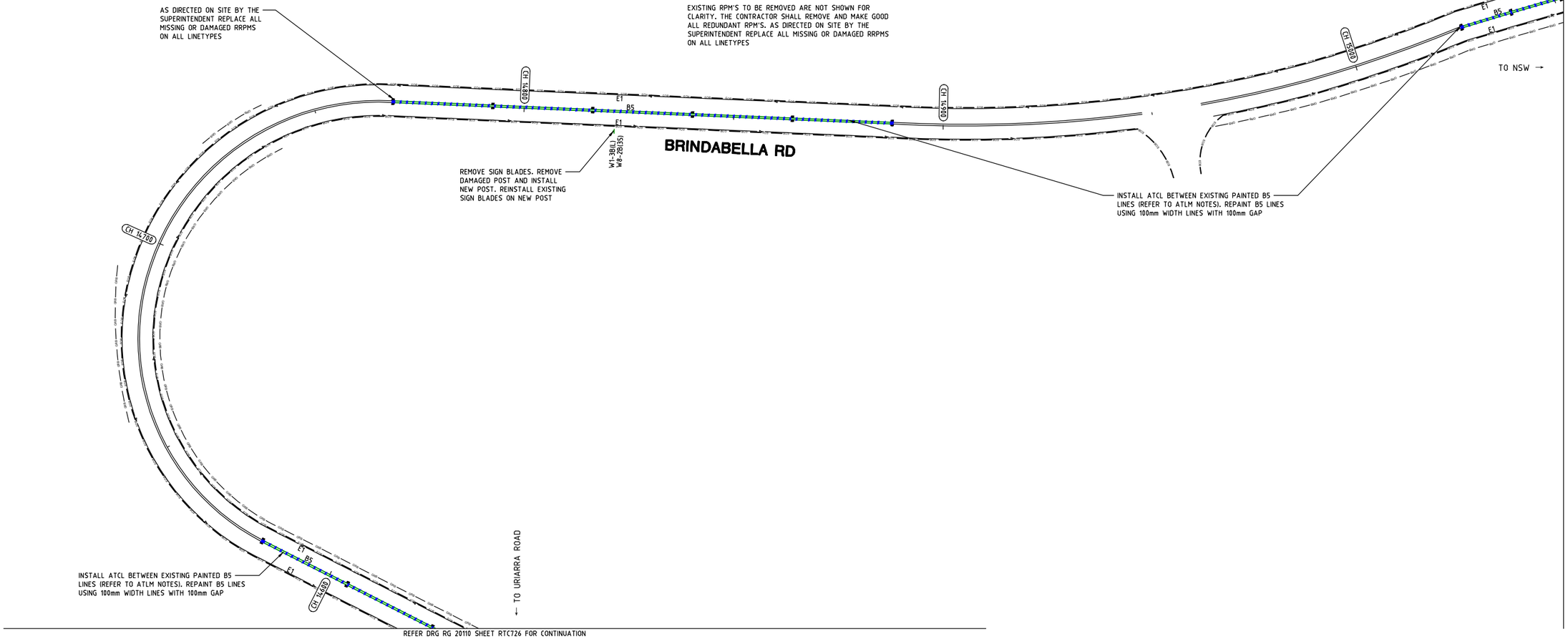
ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

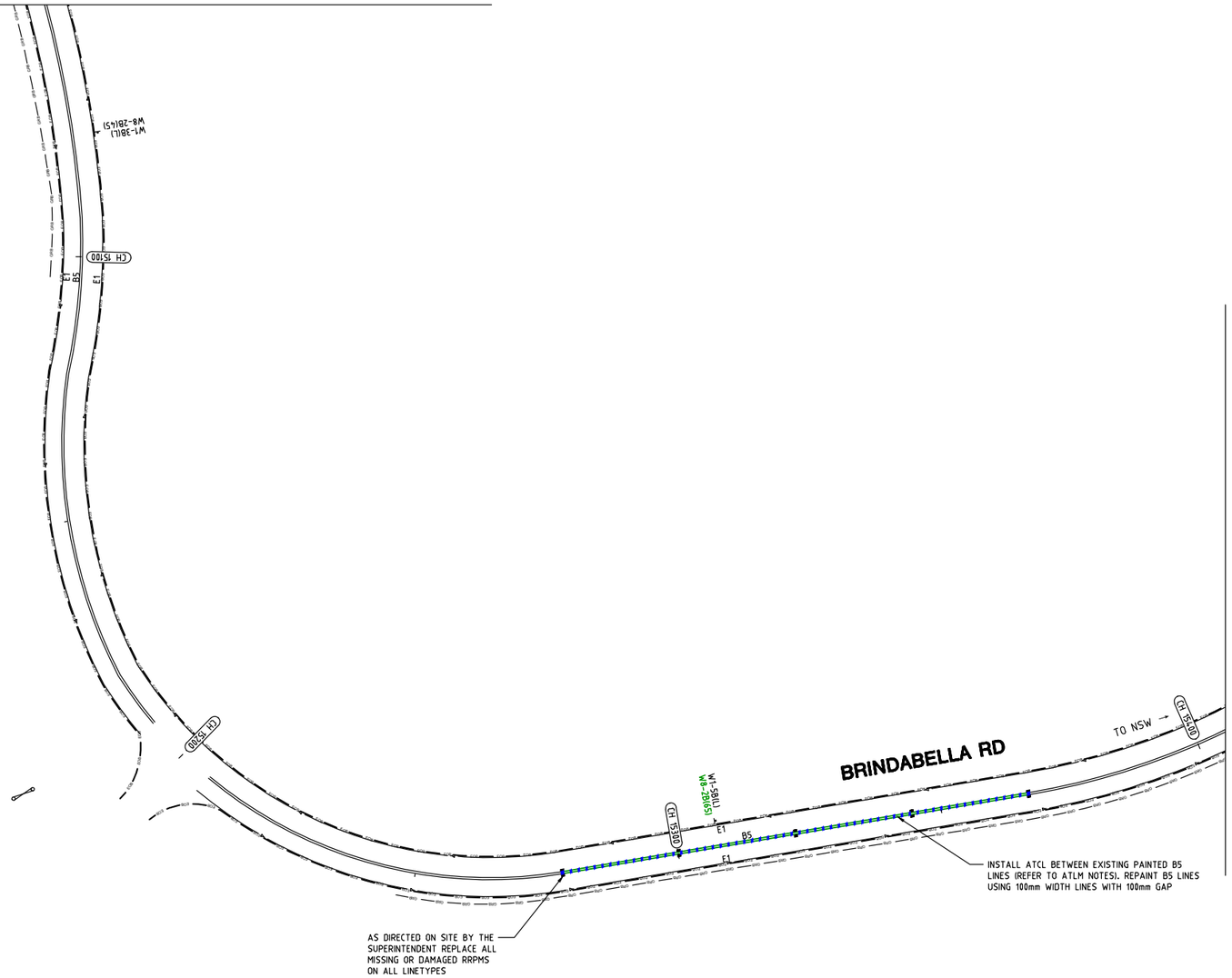
Date
30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 27 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC727	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W8-2	ADVISORY SPEED	65	-	1
SIGNS TO BE REMOVED				

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph 02 6251 6313

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

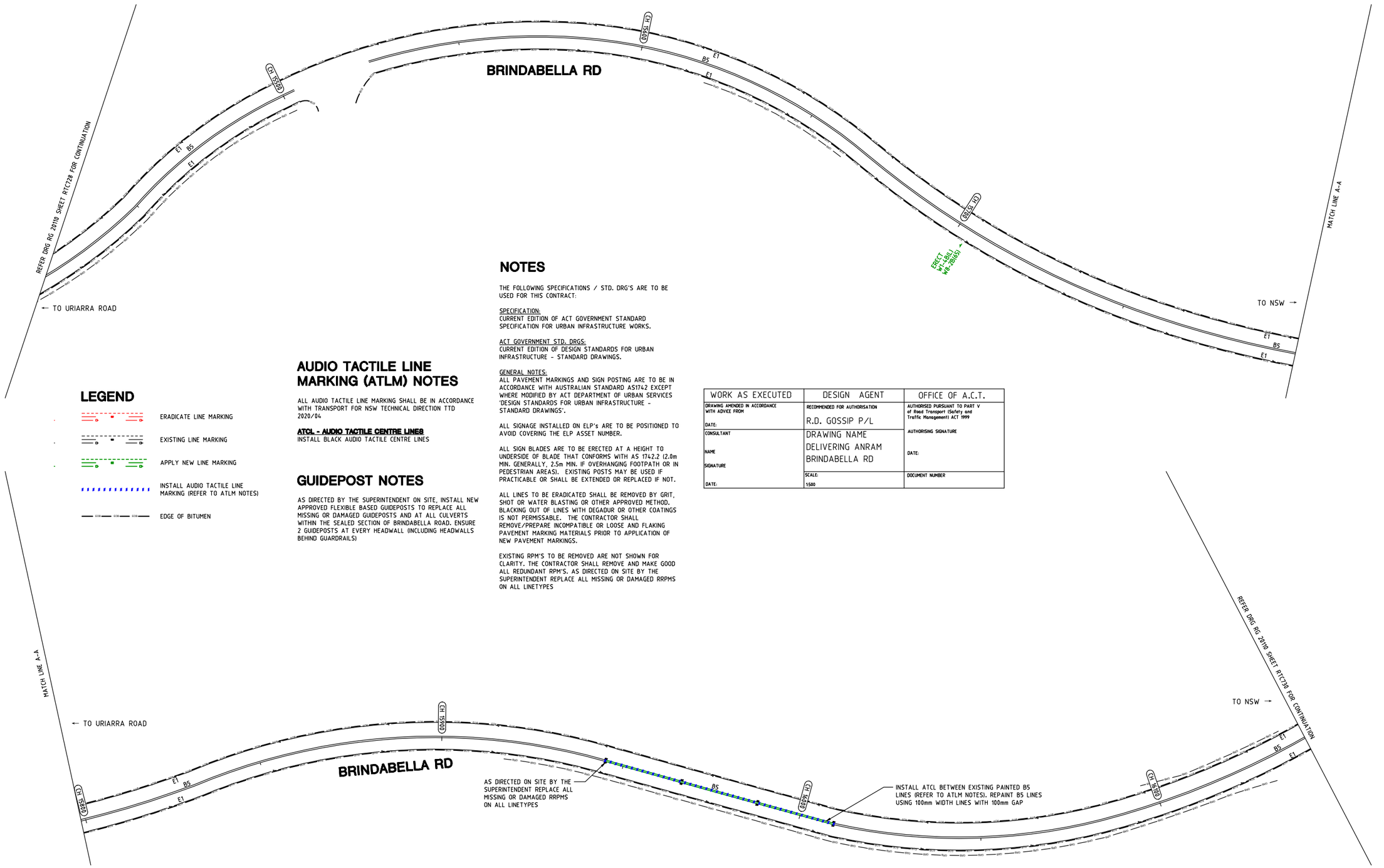
Date 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 28 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC728	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W1-4	REVERSE CURVE	L	B	1
W8-2	ADVISORY SPEED	65	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

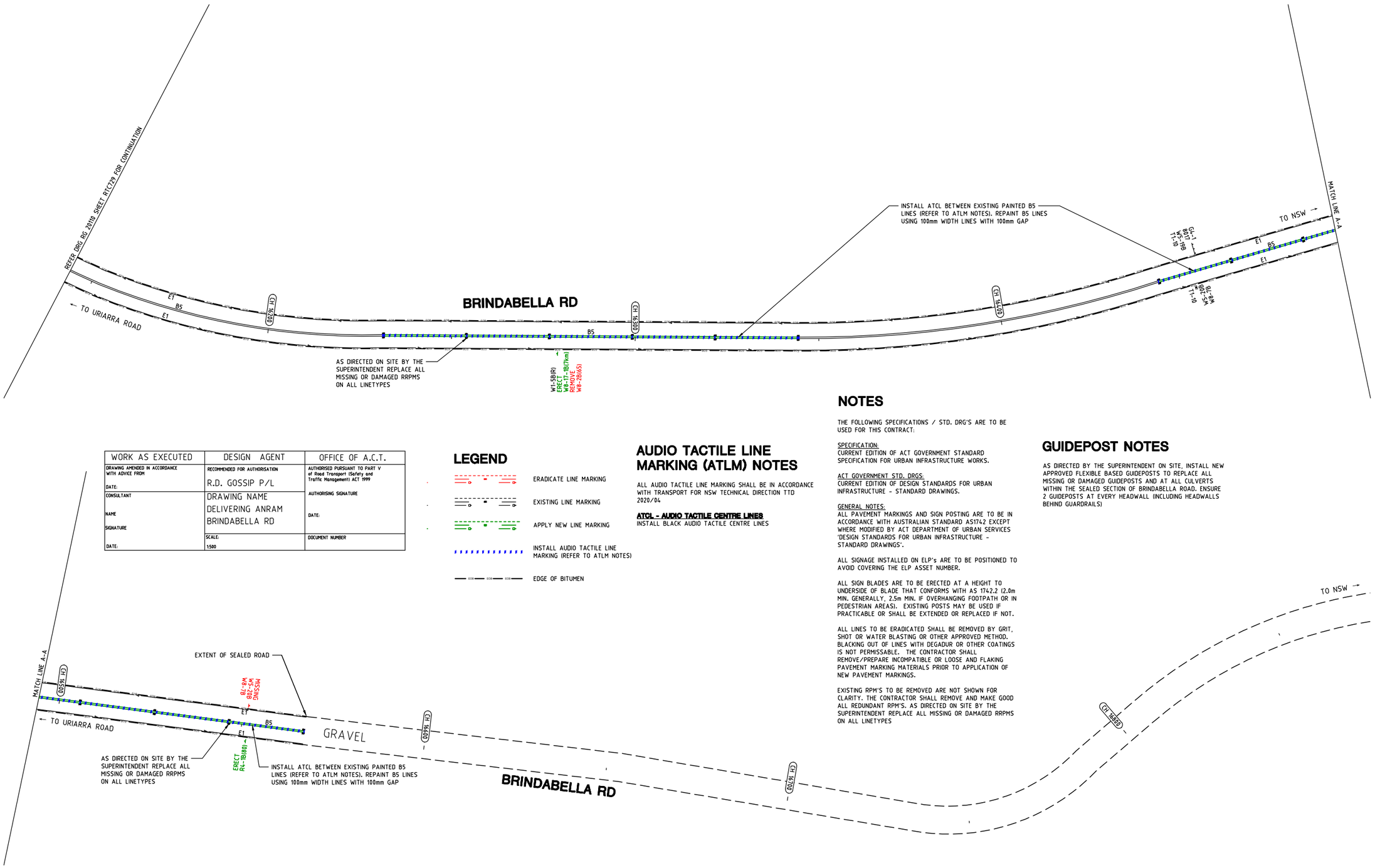
Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date 30/08/21

Drawing Title
TRAFFIC CONTROL DEVICE PLAN - SHEET 29 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC729	0



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM BRINDABELLA RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINE MARKING
- EXISTING LINE MARKING
- APPLY NEW LINE MARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)
- EDGE OF BITUMEN

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH TRANSPORT FOR NSW TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE SEALED SECTION OF BRINDABELLA ROAD. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED RESTRICTION (80)	-	B	1
W8-17-1	NEXT (7km)	-	B	1
SIGNS TO BE REMOVED				
W8-2	ADVISORY SPEED	65	B	2

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

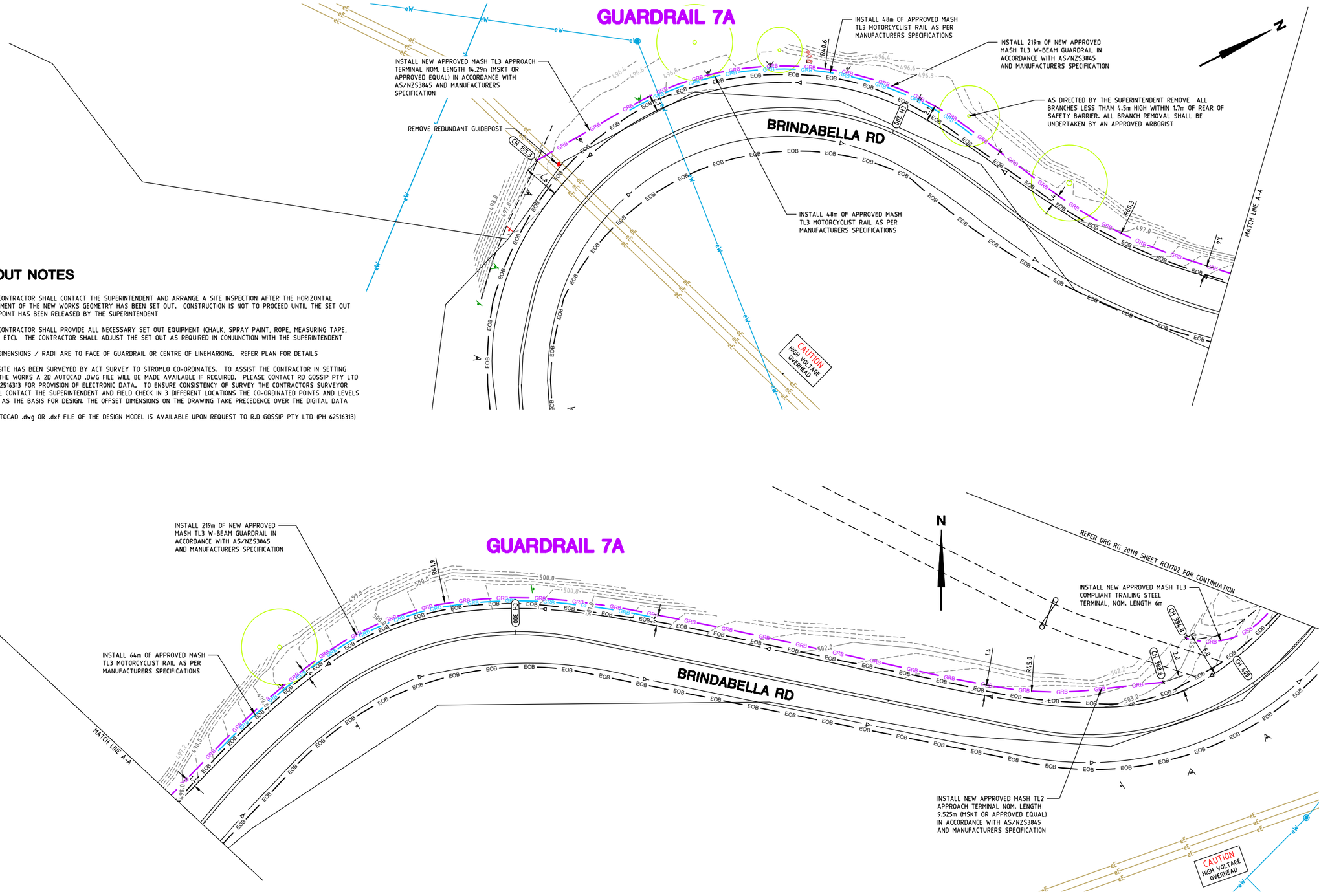
Date: 30/08/21

Drawing Title: TRAFFIC CONTROL DEVICE PLAN - SHEET 30 OF 30

Drg. No.	Sheet	Revision
RG 20110	RTC730	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE – LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 5m 10m 15m 20m
SCALE: A1 1:250, A3 1:500

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

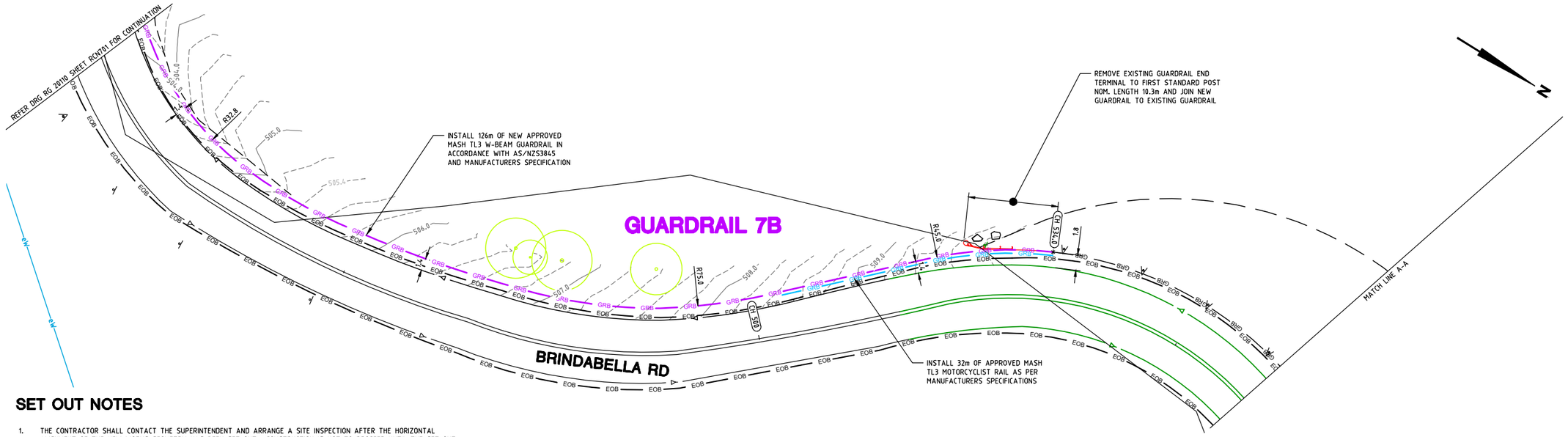
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date 30/08/21

Drawing Title
CONSTRUCTION PLAN
- SHEET 1 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN701	0

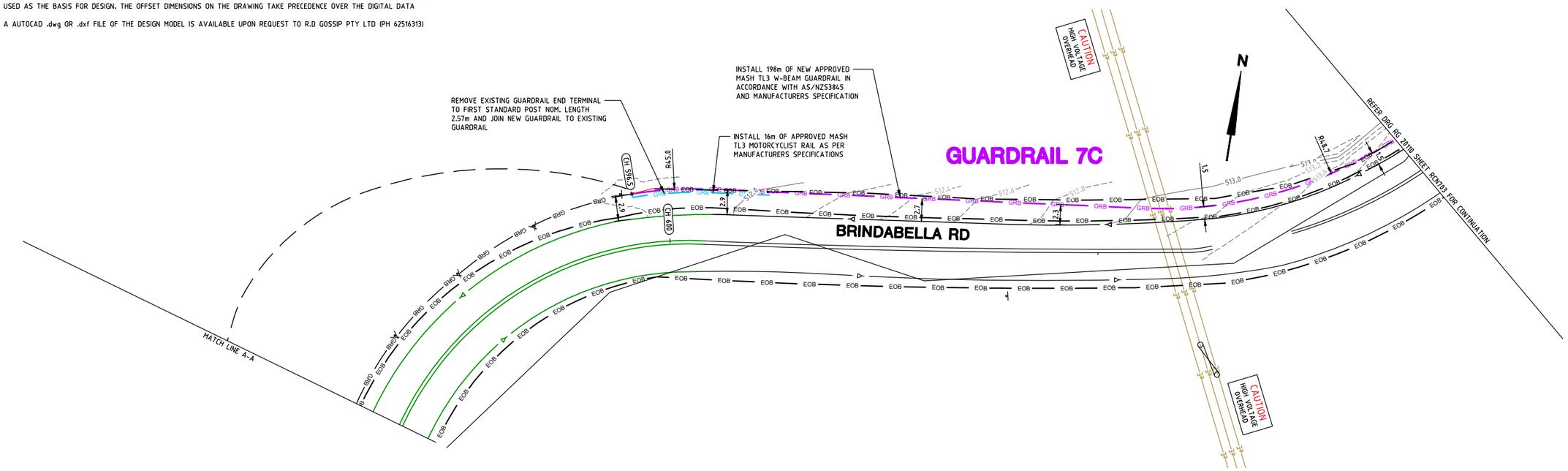
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)



AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph 02 6251 6313

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

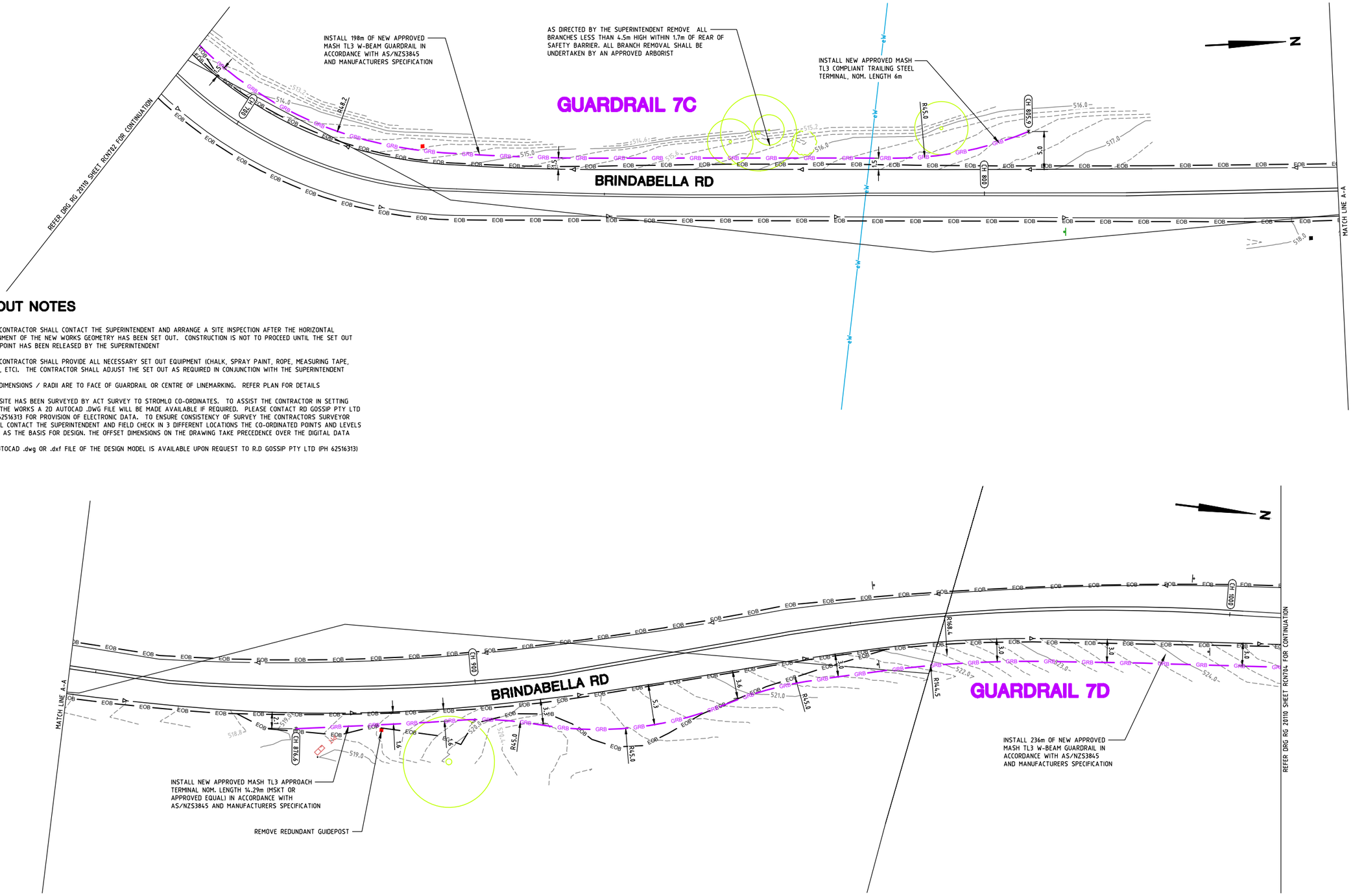
Drawing Title

CONSTRUCTION PLAN
- SHEET 2 OF 14

Date	Drg. No.	Sheet	Revision
30/08/21	RG 20110	RCN702	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:26 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 5m 10m 15m 20m
SCALE: A1 1:250, A3 1:500

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

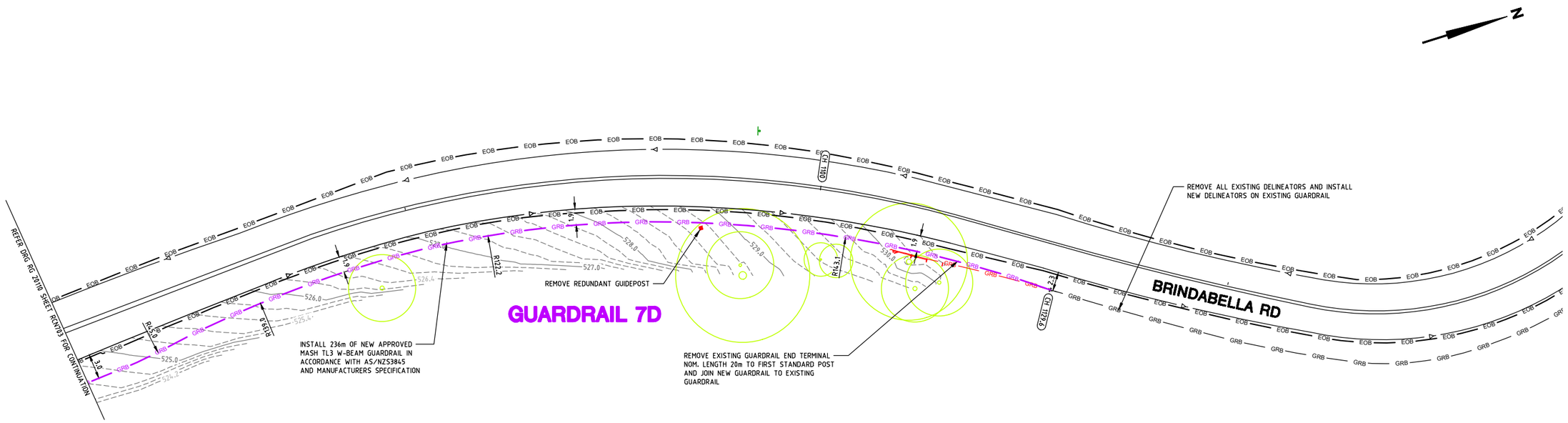
Project
DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7
Date 30/08/21

Drawing Title
CONSTRUCTION PLAN
- SHEET 3 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN703	0

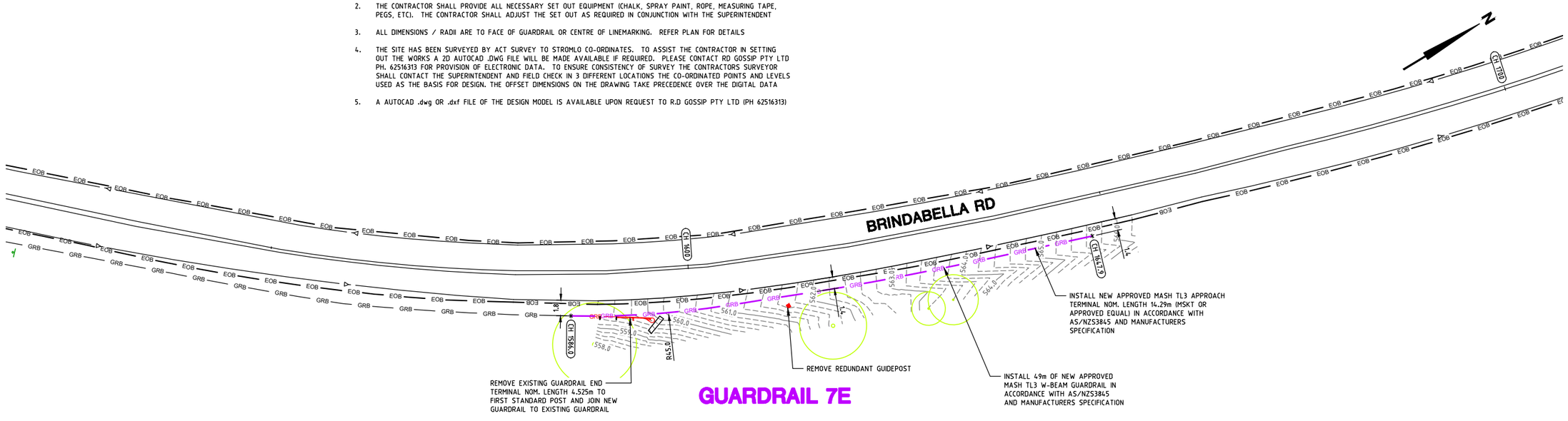
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)



AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

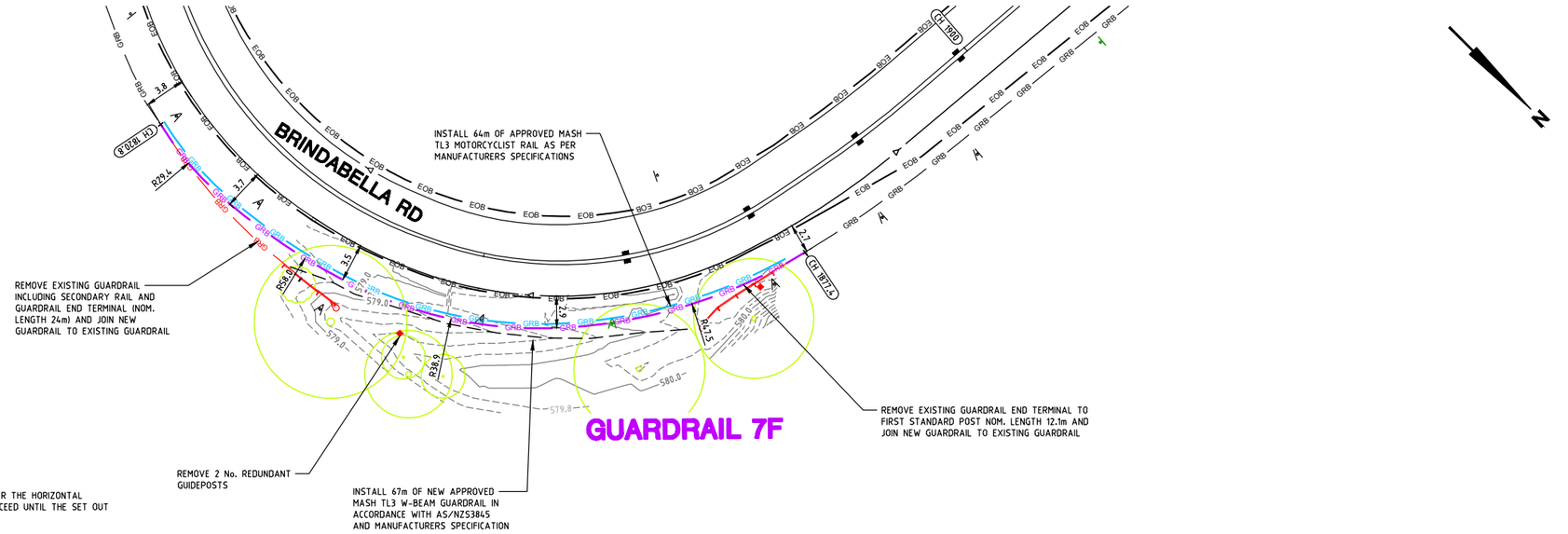
Drawing Title

CONSTRUCTION PLAN
- SHEET 4 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN704	0

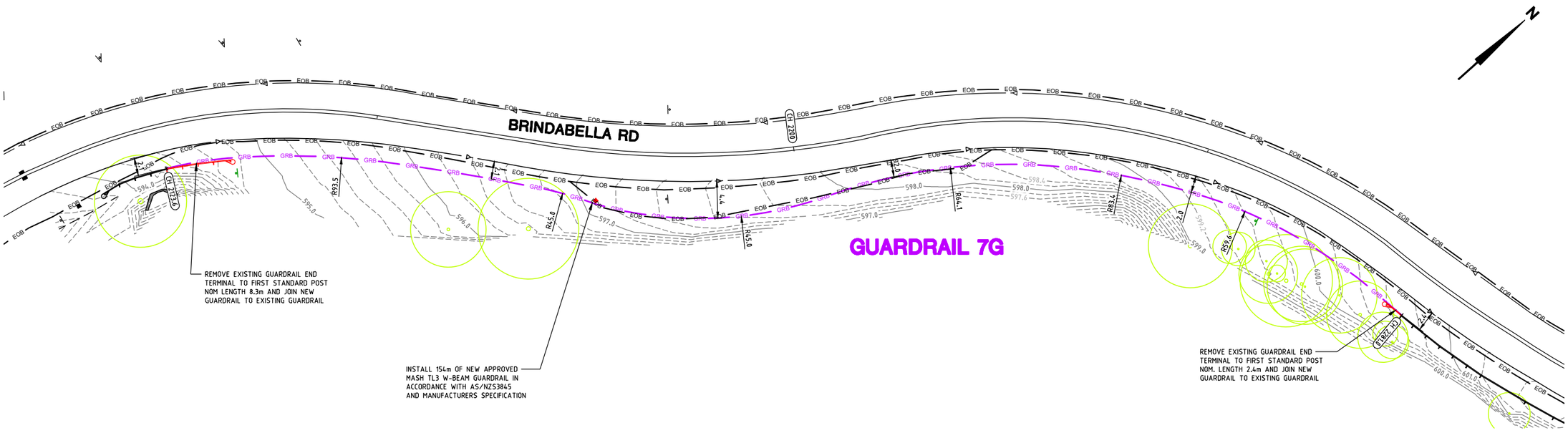
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)



AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 5m 10m 15m 20m
SCALE: A1 1:250, A3 1:500

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 120, 12 Provan Street, Campbell ACT 2612, Ph 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

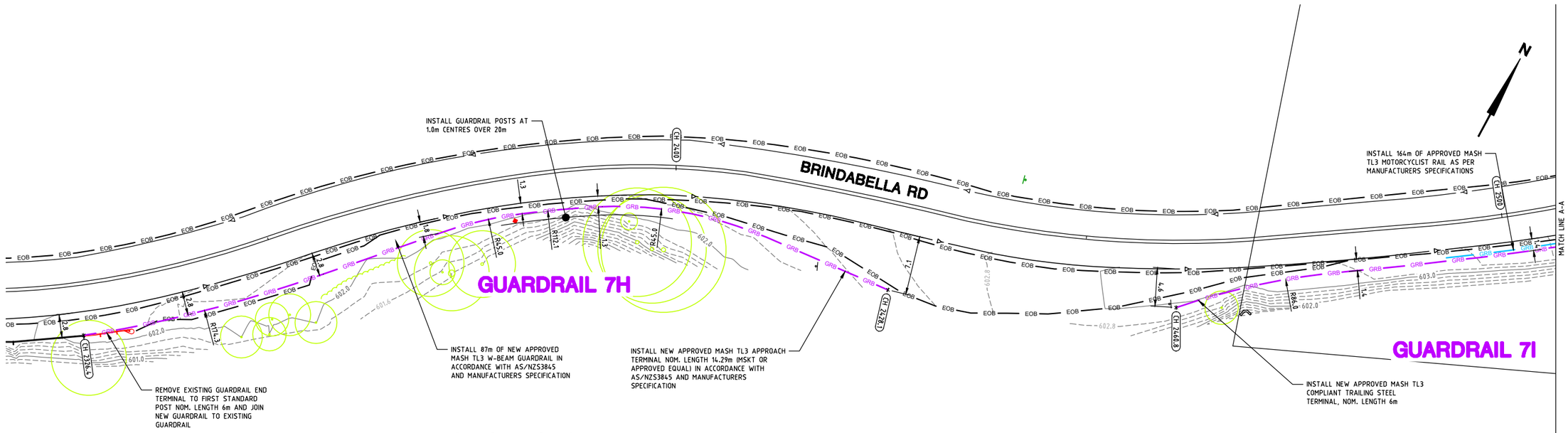
Project: DELIVERING ANRAM STAGE 2 SAFETY BARRIERS & TCDS BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title: CONSTRUCTION PLAN - SHEET 5 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN705	0

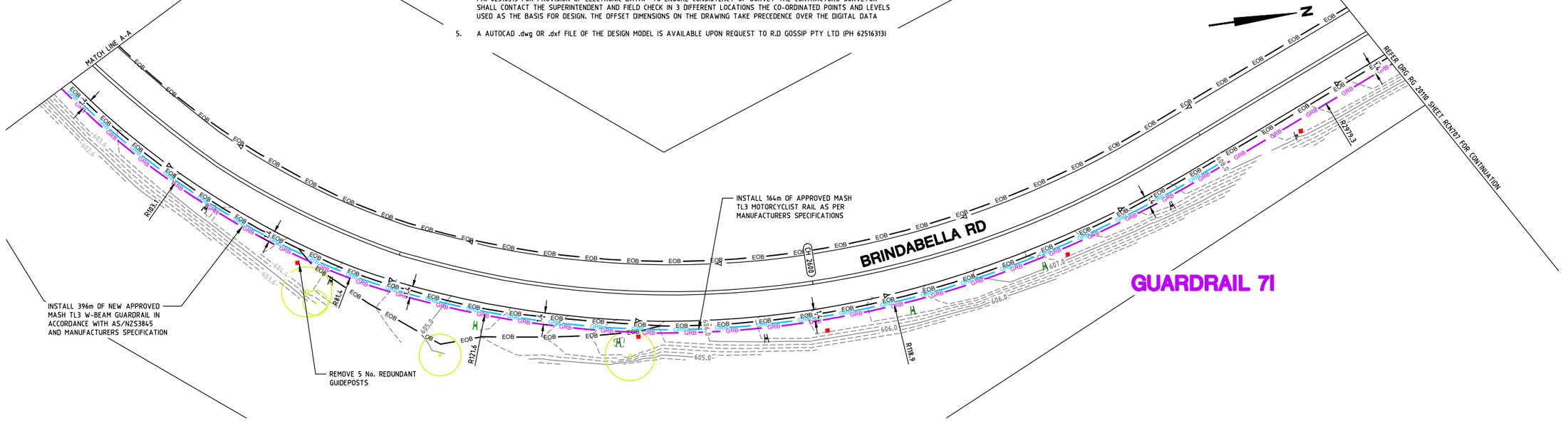
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)



AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 5m 10m 15m 20m
SCALE: A1 1:250, A3 1:500

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

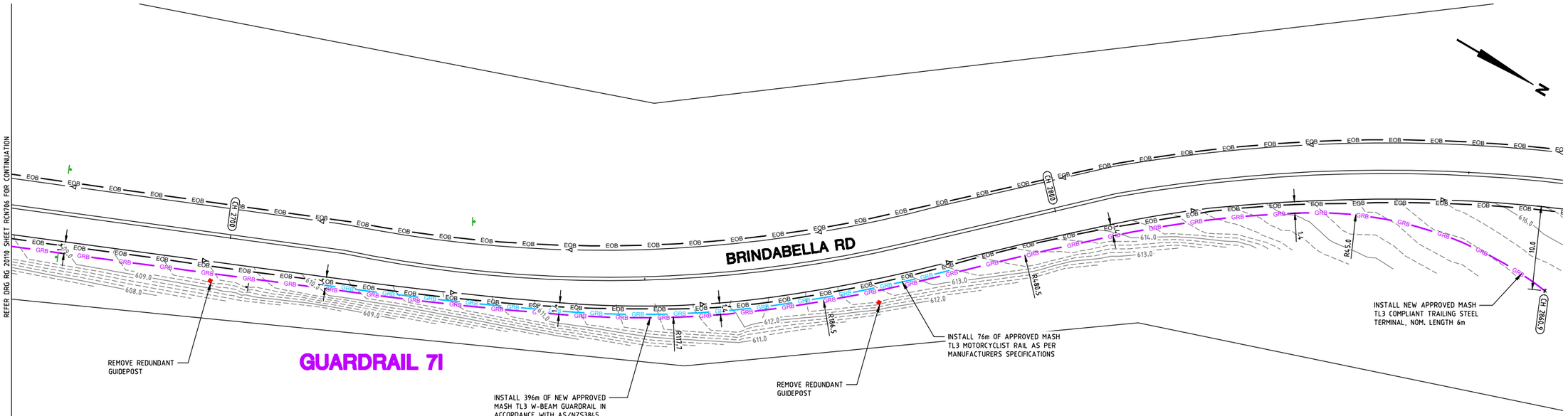
Project: DELIVERING ANRAM STAGE 2 SAFETY BARRIERS & TCDS BRINDABELLA RD - SITE 7
Date: 30/08/21

Drawing Title: CONSTRUCTION PLAN - SHEET 6 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN706	0

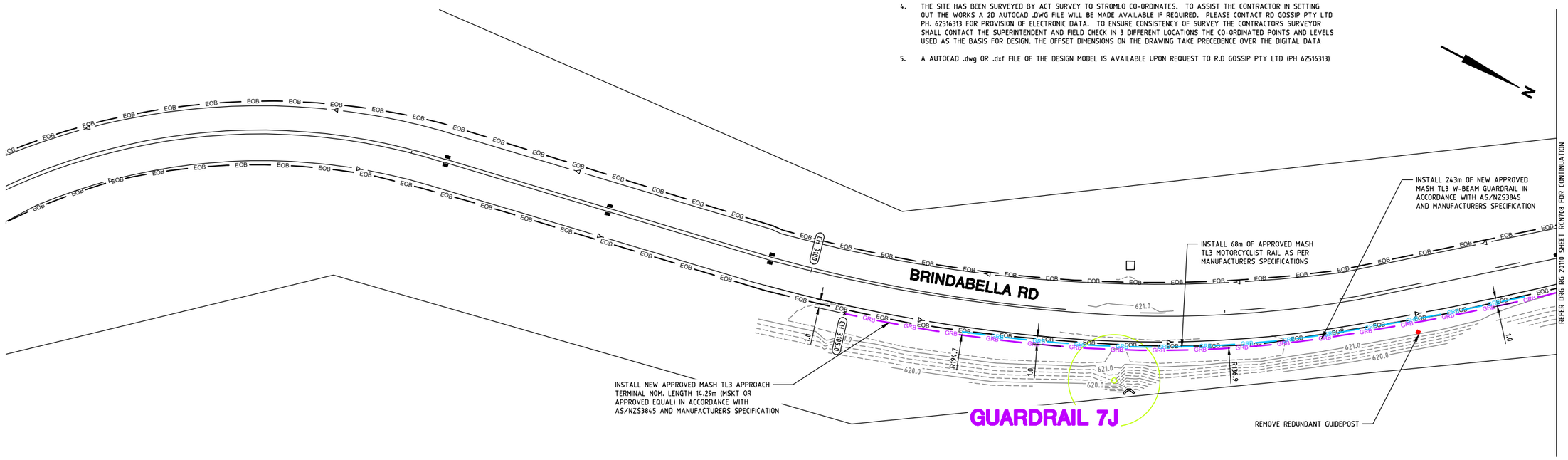
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)



AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

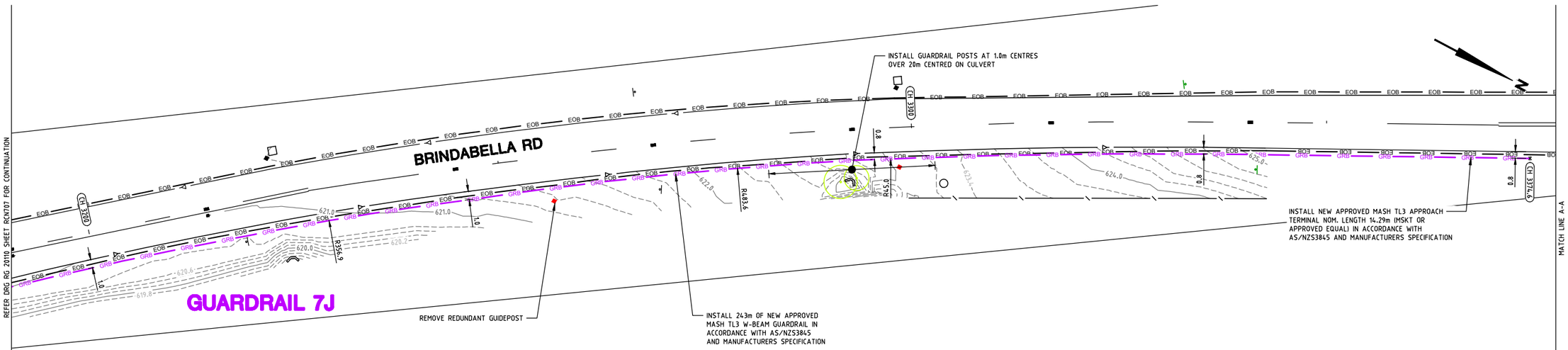
Drawing Title

CONSTRUCTION PLAN
- SHEET 7 OF 14

Org. No.	Sheet	Revision
RG 20110	RCN707	0

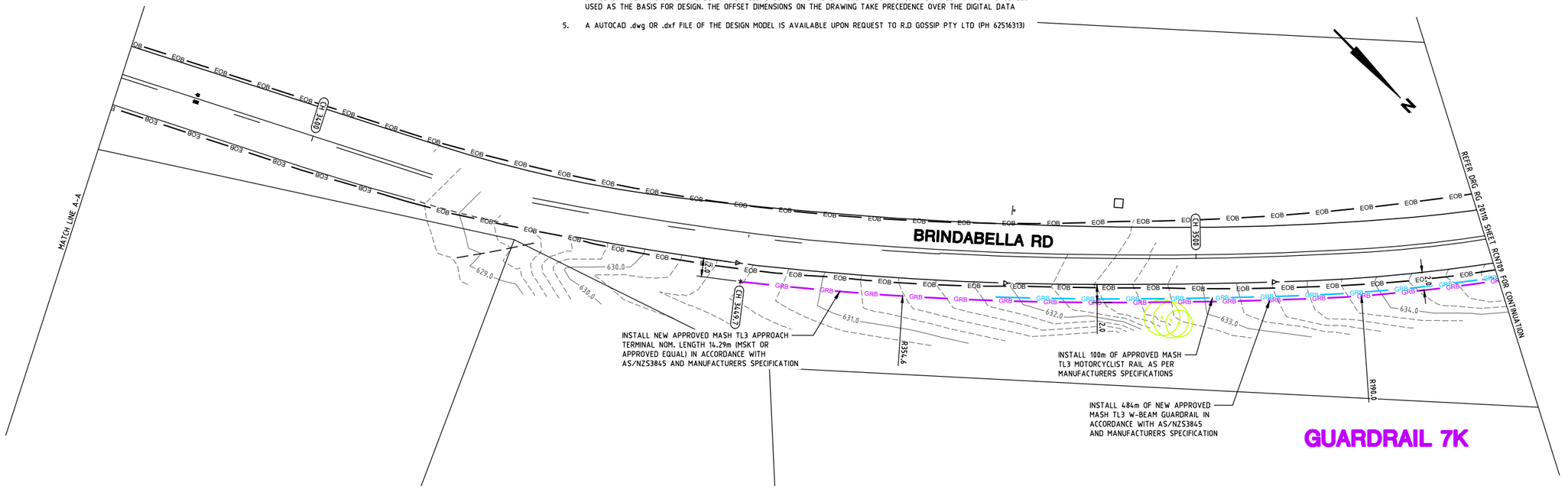
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)



AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

Drawing Title

CONSTRUCTION PLAN
- SHEET 8 OF 14

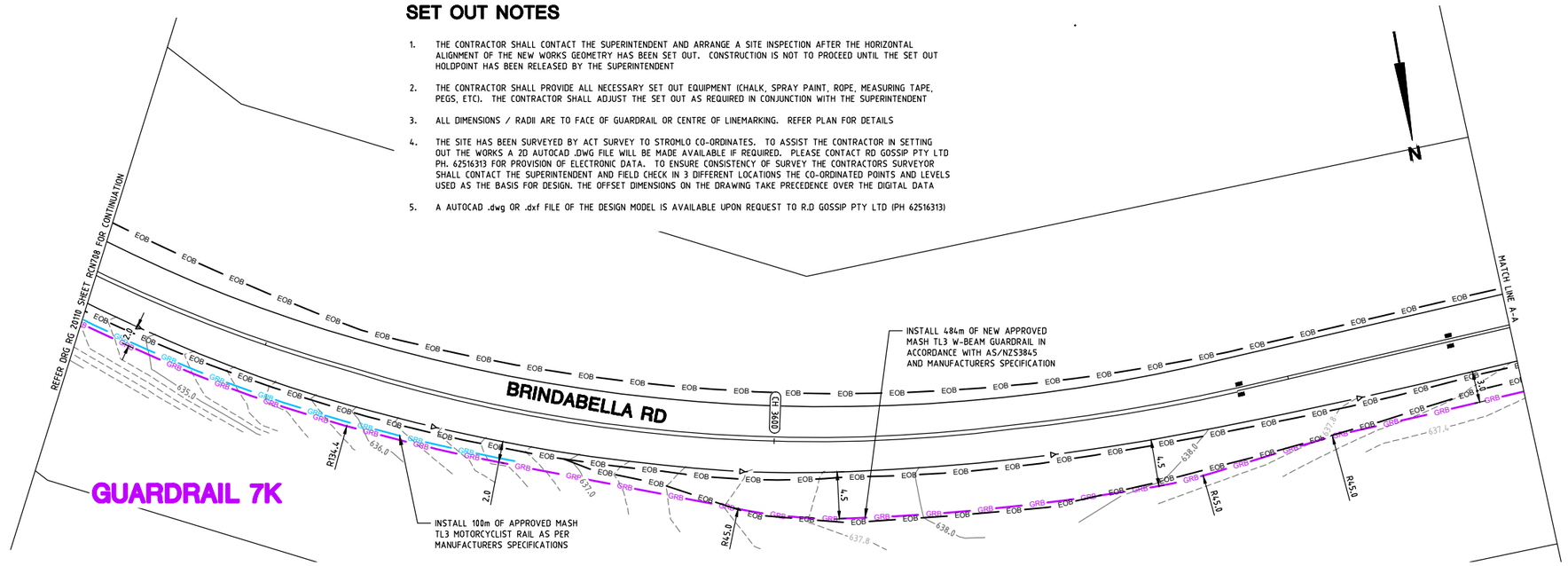
Drg. No.	Sheet	Revision
RG 20110	RCN708	0

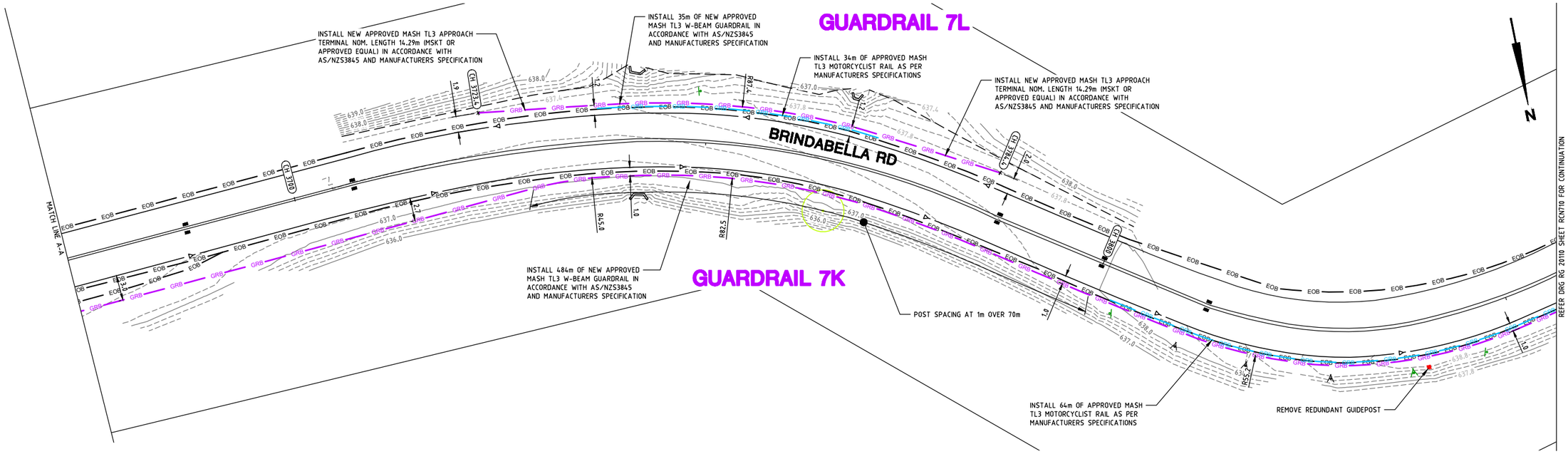
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL

SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)





AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

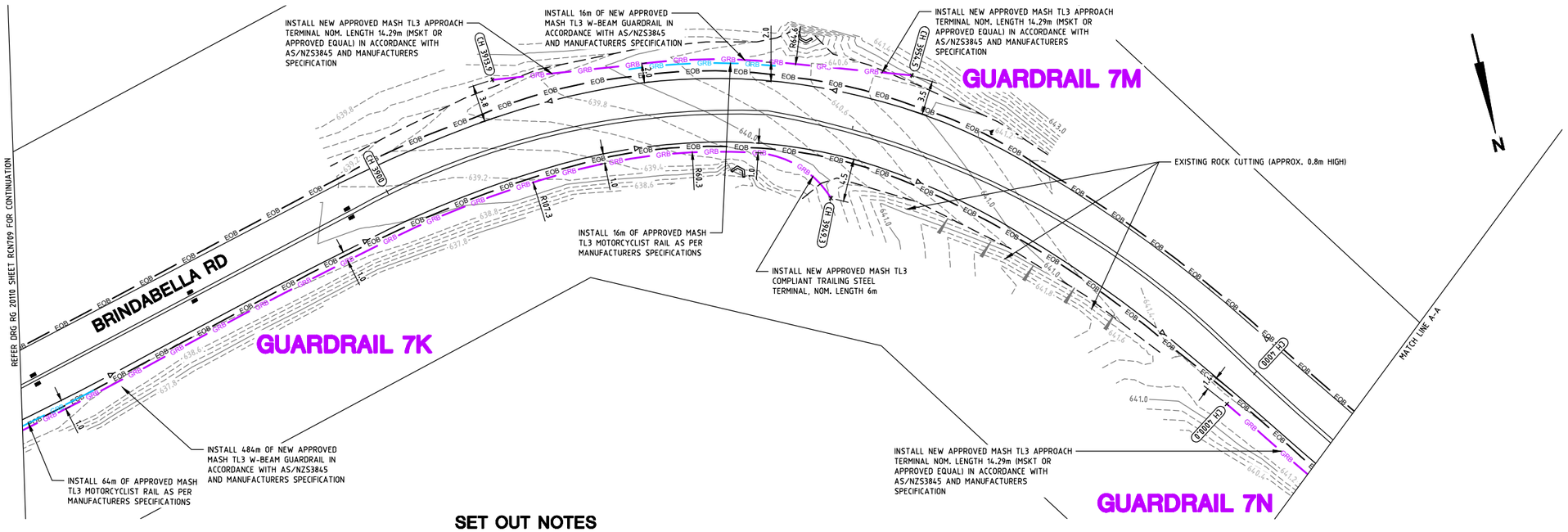
Drawing Title

CONSTRUCTION PLAN
- SHEET 9 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN709	0

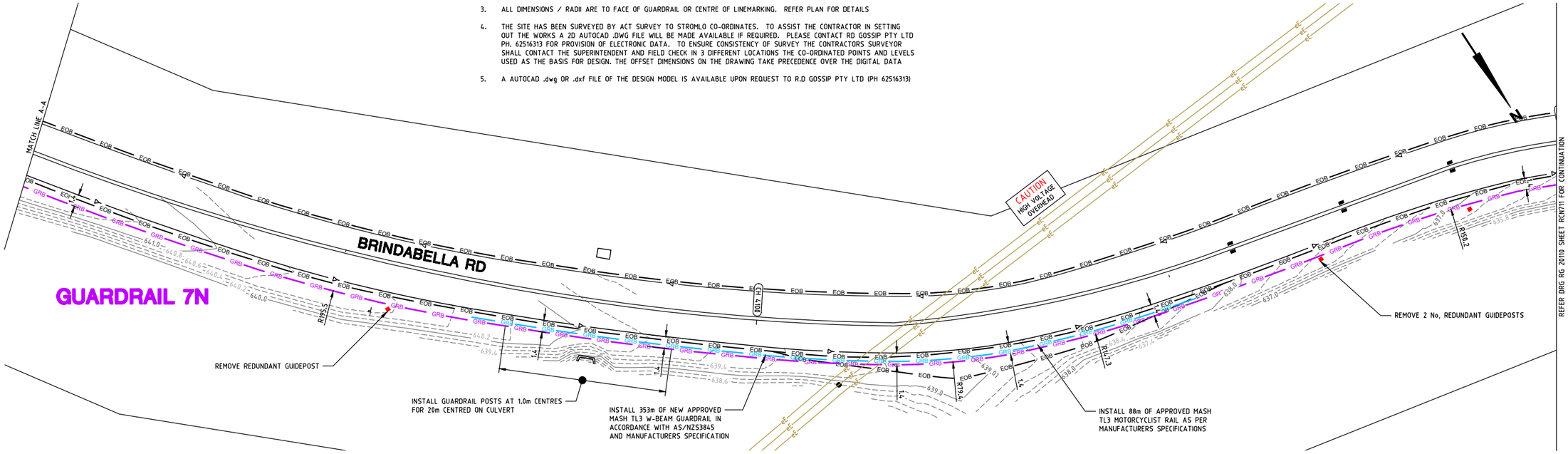
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)



AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

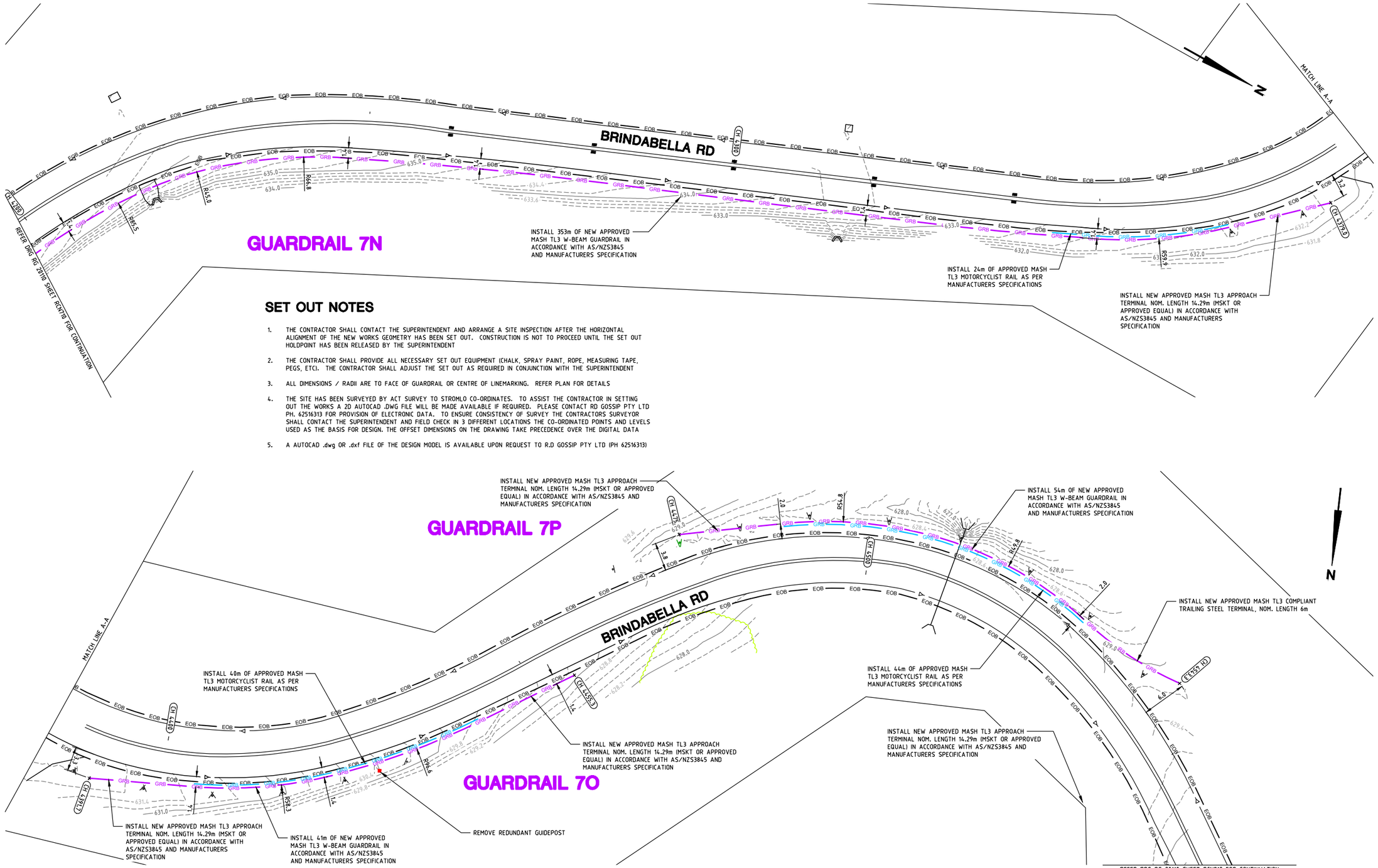
Drawing Title

CONSTRUCTION PLAN
- SHEET 10 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN710	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 5m 10m 15m 20m
SCALE: A1 1:250, A3 1:500

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 120, 12 Provan Street, Campbell ACT 2612, Ph. 02 6251 6313

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM STAGE 2 SAFETY BARRIERS & TCDS BRINDABELLA RD - SITE 7

Date: 30/08/21

Drawing Title: CONSTRUCTION PLAN - SHEET 11 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN711	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL

REFER DRG RG 20110 SHEET RCN711 FOR CONTINUATION

INSTALL NEW APPROVED MASH TL3 APPROACH TERMINAL NOM. LENGTH 14.29m (MSKT OR APPROVED EQUAL) IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

INSTALL 55m OF APPROVED MASH TL3 MOTORCYCLIST RAIL AS PER MANUFACTURERS SPECIFICATIONS

INSTALL 55m OF NEW APPROVED MASH TL3 W-BEAM GUARDRAIL IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

INSTALL NEW APPROVED MASH TL3 APPROACH TERMINAL NOM. LENGTH 14.29m (MSKT OR APPROVED EQUAL) IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

INSTALL 18m OF NEW APPROVED MASH TL3 W-BEAM GUARDRAIL IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

INSTALL 16m OF APPROVED MASH TL3 MOTORCYCLIST RAIL AS PER MANUFACTURERS SPECIFICATIONS

INSTALL NEW APPROVED MASH TL3 APPROACH TERMINAL NOM. LENGTH 14.29m (MSKT OR APPROVED EQUAL) IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

INSTALL NEW APPROVED MASH TL3 APPROACH TERMINAL NOM. LENGTH 14.29m (MSKT OR APPROVED EQUAL) IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

GUARDRAIL 7Q

GUARDRAIL 7R

BRINDABELLA RD

SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)

REMOVE REDUNDANT GUIDEPOST

AS DIRECTED BY THE SUPERINTENDENT REMOVE ALL BRANCHES LESS THAN 4.5m HIGH WITHIN 1.7m OF REAR OF SAFETY BARRIER. ALL BRANCH REMOVAL SHALL BE UNDERTAKEN BY AN APPROVED ARBORIST

INSTALL 67m OF NEW APPROVED MASH TL3 W-BEAM GUARDRAIL IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

INSTALL NEW APPROVED MASH TL3 APPROACH TERMINAL NOM. LENGTH 14.29m (MSKT OR APPROVED EQUAL) IN ACCORDANCE WITH AS/NZS3845 AND MANUFACTURERS SPECIFICATION

INSTALL 66m OF APPROVED MASH TL3 MOTORCYCLIST RAIL AS PER MANUFACTURERS SPECIFICATIONS

GUARDRAIL 7S

BRINDABELLA RD

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 5m 10m 15m 20m
SCALE: A1 1:250, A3 1:500

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 120, 12 Provan Street, Campbell ACT 2612, Ph. 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM STAGE 2 SAFETY BARRIERS & TCDS BRINDABELLA RD - SITE 7
Date: 30/08/21

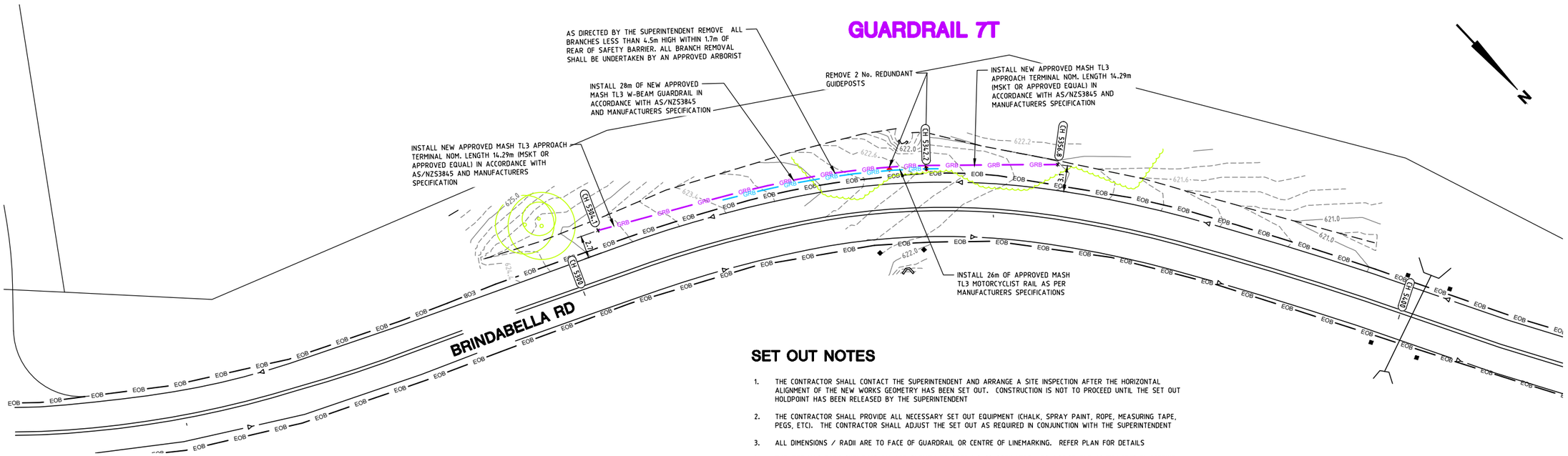
Drawing Title: CONSTRUCTION PLAN - SHEET 12 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN712	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL

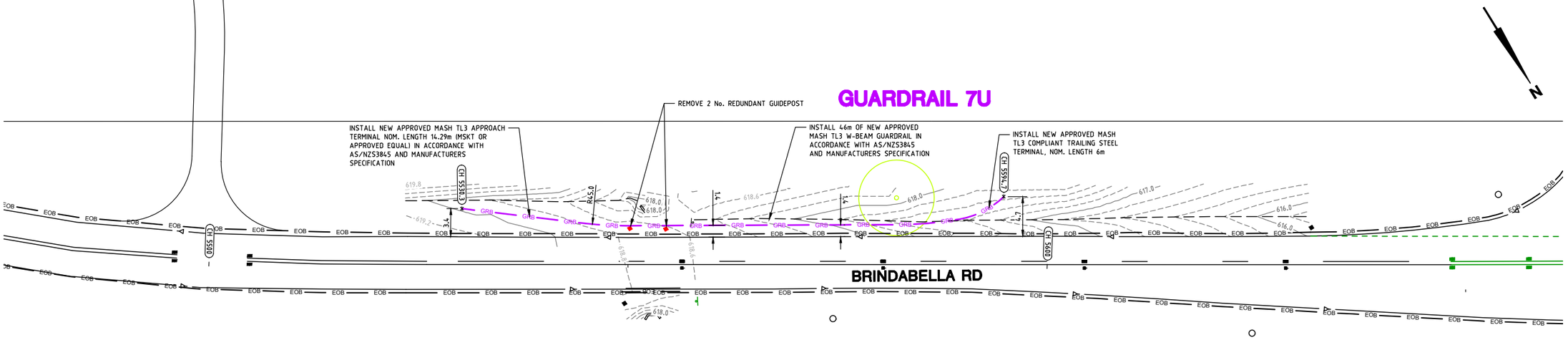
GUARDRAIL 7T



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)

GUARDRAIL 7U



AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date: 30/08/21

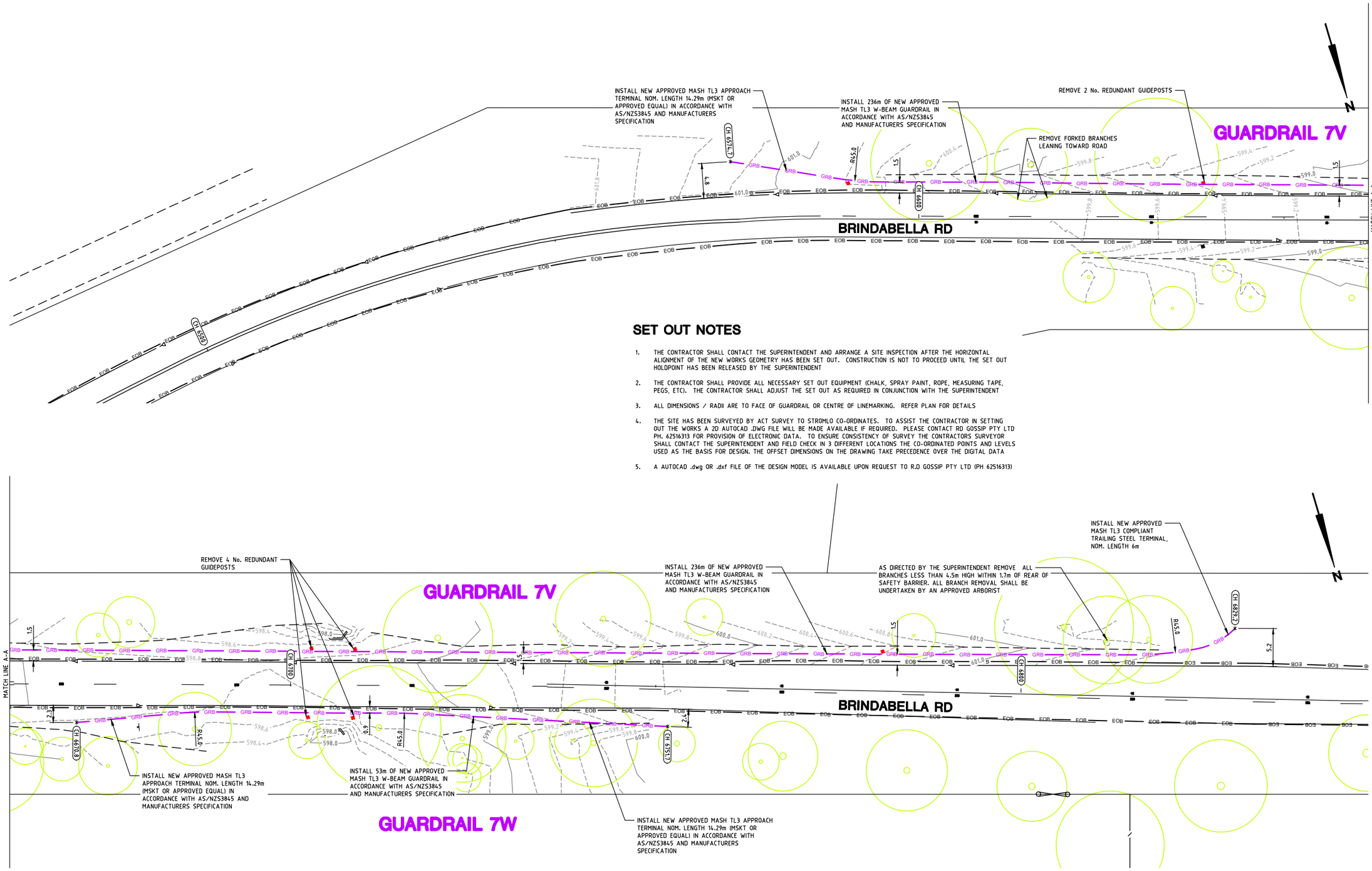
Drawing Title

CONSTRUCTION PLAN
- SHEET 13 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN713	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Mertin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL



SET OUT NOTES

1. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT AND ARRANGE A SITE INSPECTION AFTER THE HORIZONTAL ALIGNMENT OF THE NEW WORKS GEOMETRY HAS BEEN SET OUT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE SET OUT HOLDPOINT HAS BEEN RELEASED BY THE SUPERINTENDENT
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SET OUT EQUIPMENT (CHALK, SPRAY PAINT, ROPE, MEASURING TAPE, PEGS, ETC). THE CONTRACTOR SHALL ADJUST THE SET OUT AS REQUIRED IN CONJUNCTION WITH THE SUPERINTENDENT
3. ALL DIMENSIONS / RADII ARE TO FACE OF GUARDRAIL OR CENTRE OF LINEMARKING. REFER PLAN FOR DETAILS
4. THE SITE HAS BEEN SURVEYED BY ACT SURVEY TO STROMLO CO-ORDINATES. TO ASSIST THE CONTRACTOR IN SETTING OUT THE WORKS A 2D AUTOCAD .DWG FILE WILL BE MADE AVAILABLE IF REQUIRED. PLEASE CONTACT RD GOSSIP PTY LTD PH. 62516313 FOR PROVISION OF ELECTRONIC DATA. TO ENSURE CONSISTENCY OF SURVEY THE CONTRACTORS SURVEYOR SHALL CONTACT THE SUPERINTENDENT AND FIELD CHECK IN 3 DIFFERENT LOCATIONS THE CO-ORDINATED POINTS AND LEVELS USED AS THE BASIS FOR DESIGN. THE OFFSET DIMENSIONS ON THE DRAWING TAKE PRECEDENCE OVER THE DIGITAL DATA
5. A AUTOCAD .dwg OR .dxf FILE OF THE DESIGN MODEL IS AVAILABLE UPON REQUEST TO R.D GOSSIP PTY LTD (PH 62516313)

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 02/03/21	Final Sketch Plan: --/--/--	Final Design: 30/08/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 5m 10m 15m 20m

SCALE: A1 1:250, A3 1:500

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM
STAGE 2
SAFETY BARRIERS & TCDS
BRINDABELLA RD - SITE 7

Date 30/08/21

Drawing Title

CONSTRUCTION PLAN
- SHEET 14 OF 14

Drg. No.	Sheet	Revision
RG 20110	RCN714	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Rural Roads
RG 20110 RTC700 Brindabella Rd Rod Martin 31/08/2021 4:27 PM

300mm ON A1 ORIGINAL

From: Choden, Kencho
To: Thapa, Dilip; Lambert, Anthonie
Cc: Hare, Steven
Subject: FW: Road Safety Program - Tranche 5 Site Identification
Date: Tuesday, 4 July 2023 12:35:13 PM
Attachments: Barriers Locations A B C D on KIngs.obr
Kings Hwy - Package 2 -TCDs draft TENDER DWGs 20210409.obr
Kings Hwy - Package 1 - FD.obr
Kings Hwy - Package 2 - FD.obr
Brindabella Barriers for Trache 5 (2022-23).xlsx
RG20110 Delivering ANRAM - Urban Roads DR Submission Report.obr
RG 20110 UTC1700 Long Gully Rd.obr
Final#3.obr
Final.obr
RG 20110 ANRAM_Urban Road Design Option Report_Additional Roads FINAL.obr
2. Additional Urban Roads.obr
Final- Urban.obr
ANRAM Treatments from the project.xlsx

OFFICIAL

Hi Dilip and Anthonie,

Forwarding the materials and suggestions I provided to Daniel on the same subject previously including attachments. Happy to answer any questions. I will forward Inner North FastTrack Program shovel ready design info shortly.

Thanks,
Kencho

From: Goodwin, Daniel <Daniel.Goodwin@act.gov.au>
Sent: Friday, 17 June 2022 8:16 AM
To: Choden, Kencho <Kencho.Choden@act.gov.au>
Subject: RE: Road Safety Program - Tranche 5 Site Identification

OFFICIAL

Good morning Kencho

Thank you so much for compiling all the information below and the attachments. It must've taken you ages - I really appreciate all your help!!

I'll work through the initiatives this morning and get back to you if I have any questions. I note your concerns around the local markets ability to deliver in the timeframe and will discuss further with Jez and Darren (IDP) once we're pretty close to having the final tranche 5 list.

Thanks again
Dan

Daniel Goodwin
(02) 6205 0066 | [redacted] |

From: Choden, Kencho <Kencho.Choden@act.gov.au>
Sent: Thursday, 16 June 2022 4:24 PM
To: Goodwin, Daniel <Daniel.Goodwin@act.gov.au>
Subject: RE: Road Safety Program - Tranche 5 Site Identification

OFFICIAL

Hi Daniel,
As per the discussion last week, please find attached Objective links to the files for the ANRAM sites.

1. **Kings Highway:** There are four sets of Safety Barriers (at location D, E,F &G in the attached pdf) not considered in last construction contract. If construction of these four barriers are to be progressed, I would suggest Speed Limit reduction be also implemented. Trees needs to be removed for these sites, therefore, consultation with Conservator to be conducted early in the project planning stage.
   [redacted]
2. **Brindabella Road:** Remaining safety barriers could be constructed but not without implementing speed limit reduction. Consultation requirements on the works to be confirmed from TMS. No ATLMs for construction. Excel sheet provided previously still stands on costs and locations of the barriers (reattached above)
   [redacted]
3. **Long Gully Road:** Construction of Safety Barriers (refer attached report "Urban Roads DR..") and ATLM
   [redacted]
4. ATLM and speed reduction sites from table below (Boboyan Road, Tharwa Drive-Site 12, Apollo Road, Corin Road, Orroral Road, Uriarra Road, Cotter road: section between Cotter River and mount Stromlo Drive)- (refer attached link "Final")
   Corin road: speed limit reduction under consideration by TMS.
   [redacted]
5. **Additional ATLM and speed reduction rural sites** (Refer "Final#3" link for reports and drawings)
   1. Paddy River Road
   2. Tidbinbilla Road
   3. Nass Road

   [redacted]
6. **Other ATLM sites (Urban sites)** (refer "Final-Urban" link)
   a. Clarrie Hermes Drive
   b. Kuringa Drive
   c. Mugga lane

   [redacted]
7. **Canberra Avenue:** (Refer "Additional Urban Roads" link)
   Safety Barriers construction, Risk: Works Approval from NCA is required.
   [redacted] (ex.GST) includes ATLM, constraint applies for ATLM in residential areas.
8. **Drakeford Drive**: (Refer "Additional Urban Roads" link)
   Installation of Rumble bars
   [redacted]
9. **Isabella Drive:)** (refer "Final-Urban" link)
   Installation of Rumble bars.
   [redacted]
10. **Potential Design Works:** Following are the potential areas for detailed design works in the order of priority rating.
    1. Brindabella road: complete design safety barriers on the remaining portion of the section (from CH 6829 to 16800)
    2. Design of Safety Barriers in the order: Boboyan, Apollo, Corin Road, Orroral, Uriarra and Cotter road could be carried out. Please confirm with TMS the real need for safety barriers on these sites given the low traffic volume.
    3. Drakeford Drive: Install Safety barriers and improvements to existing safety barriers (steel barrier to concrete barrier improvements and associated MASH improvements at 26 locations plus

1 barrier extension)- (Refer "Urban Road Design Option Report_Additional Roads FINAL" link above and concept sketches in the link for drawings)

Please note the risks of Local market's capacity to deliver ATLM works worth of 1.5million or more in 6 months timeframe.

In addition to above, please find attached excel sheet with details of ANRAM works on both urban and rural sites. Please refer the legend for status of works in the sheet for better understanding of the color codes. All the roads suggested for works fall within 1 star rating and 2 star ratings category in the risk rating assessment conducted by ARRB in 2019.

Please let me know if you have any difficulty accessing links to files for reference or any difficulty understanding the information provided.

Thanking you,
Kencho

From: Goodwin, Daniel <Daniel.Goodwin@act.gov.au>
Sent: Thursday, 9 June 2022 1:17 PM
To: Choden, Kencho <Kencho.Choden@act.gov.au>
Subject: RE: Road Safety Program - Tranche 5 Site Identification

OFFICIAL

Hi Kencho

Thanks for your time this morning to discuss the Tranche 5 candidates for the Road Safety Program.

As discussed, can you please provide the following:
- reports and costings as per the yellow highlight in table below
- summary for each location indicating what works have been completed/are outstanding?
- Any potential contingent sites that could progress to designs

Thanks again, I really appreciate your help.

Very happy to discuss further.

Thanks
Dan

Daniel Goodwin
(02) 6205 0066 [redacted]

-----Original Appointment-----
From: Goodwin, Daniel
Sent: Tuesday, 7 June 2022 4:15 PM
To: Goodwin, Daniel; Choden, Kencho
Subject: Road Safety Program - Tranche 5 Site Identification
When: Thursday, 9 June 2022 10:00 AM-10:30 AM (UTC+10:00) Canberra, Melbourne, Sydney.
Where: Microsoft Teams Meeting

Hi Kencho

This meeting is to confirm priority sites for the Road Safety Program under each initiative in the table below (full list of proposals attached). I also need to confirm the following:
- Updated costings (escalation) – overheads and escalation (Kencho to confirm once costings updated
- Site identification for each proposal
- Contingent sites under each proposal
  - – Potential to include urban sites (contingent)
  - Additional designs for 2 star roads (IP or TMS funding required)
- Confirmation of ability to construct between 01 January and 30 June 2023.
  - Isabella Drive
- Star rating and ANRAM assessments to be reassessed (pre and post designs)

Priority	Tranche 5 Road Safety Program Proposals	Indicative funding	TCCS Discussion	IDP advice/position	Actions/Status	Discussion with Pawel	Discussion with Kencho
5	Brindabella Rd (ATLM & safety barriers)	[redacted]	Could be delivered within 6 months provided the Project Plan and IDP onboarding happens early (high-risk)	• Feasible within 6 months. • Packaged into single tender with separable portions. • Plan needs to be endorsed in advance • Leave planning over 6 months • Single PM allocated in IDP and IP • Project Plan required end of October (PP needs to appreciate procurement timeframes) • ID PM allocation to assist with Project Plan • Identify separable portions to align capitalisation with Australian Government reporting requirements • Potential to Increase scope to meet funding allocation	• Confirm ease-of-construction (Kencho) • IP to confirm site priority order with TMS ASAP (Pawel).	• Confirm priorities with Kencho and Steve • Priority provided by Pawel based on FSI	• Barrier installation only to proceed in conjunction with speed limit reduction • Consultation process required for ~~speed limit reduction~~ both works • ATLM can proceed (ATLM has been constructed for the whole length of the road) • Kencho to provide report and costings
6	Long Gully Rd (Audio Tactile Line Marking (ATLM) & safety barriers)	[redacted]	As per above				• No design issues, ready to proceed • Kencho to provide report and costings
7	Various sites for ATLM (not included where there are residential dwellings within 200 m of the road or 50 m from an intersection (unless specified)).	[redacted]	Main avenues and approach routes removed due to NCA approval requirements. IDP to advise on markets ability to respond		• IP to confirm site priority order for ATLM with TMS ASAP (Pawel).	• Confirm NCA approvals for Monaro Highway with Steve • South of Johnson Drive to ACT/NSW border (potential to extend to Hume.	• Monaro highway and Brindabella Road works complete. • Complications with Kings highway • Kencho to provide report and costings

	Candidate sites could include: ~~Kings Highway~~ ~~Monaro Highway (high priority)~~ Boboyan Road Tharwa Drive (ATLM Site 12) ~~Brindabella Road~~ Apollo Road Corin Road Orroral Road Uriarra Road Cotter Road						

Thanks
Dan

Microsoft Teams meeting

Join on your computer or mobile app
Click here to join the meeting

Learn More | Help | Meeting options | Legal

ACT Government
Transport Canberra and City Services

DELIVERING ANRAM – REDUCING RISK OF FATAL AND SERIOUS INJURY CRASHES ON ARTERIAL ROADS

ADDITIONAL RURAL ROADS FINAL DESIGN SUBMISSION

TRANSPORT CANBERRA AND CITY SERVICES

RG 20110 - 14/ 1

24 SEPTEMBER 2021

Consulting Engineers

DELIVERING ANRAM – REDUCING RISK OF FATAL AND SERIOUS INJURY CRASHES ON ARTERIAL ROADS

ADDITIONAL RURAL ROADS FINAL DESIGN SUBMISSION

Prepared for Transport Canberra and City Services

Document Register

Revision	Date	Details	Author	Verifier	Reviewed
0	24/09/21	Final Design Submission	[redacted]	[redacted]	[redacted]
1	01/10/21	Amended Report	[redacted]	[redacted]	[redacted]

R D Gossip Pty Ltd
Unit 120 Greenwich
12 Provan Street
Campbell ACT 2612
Australia
Telephone: +61 2 6251 6313
Email: [redacted]rdgossip.com.au

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY 1

1.1 Key Project Goals 1
1.2 Site locations 1

2. PROJECT BRIEF STATEMENT 2

3. UNRESOLVED ISSUES 2

4. ESTIMATE OF COSTS 2

5. SAFE AND EFFECTIVE FUNCTIONING OF THE DESIGN 2

6. ACT PLANNING AND LAND AUTHORITY SUBMISSION REQUIREMENTS FOR THE PROJECT 2

7. DESIGN SUMMARY 2

7.1 Site 14 – Paddys River Road 2
7.2 Site 15 – Tidbinbilla Road 3
7.3 Site 16 – Naas Road 3

8. FINAL DESIGN PLANS 3

8.1 Site 14 – Paddys River Road 3
8.2 Site 15 – Tidbinbilla Road 5
8.3 Site 16 – Naas Road 6

9. DRAINAGE MASTER PLAN 7

10. OUTLINES FOR MAJOR STRUCTURES 7

11. GEO-TECHNICAL REPORT 7

12. PAVEMENT OPTIONS STUDY 7

13. PRELIMINARY GRADING AND TYPICAL CROSS SECTIONS 7

14. PREDICTED 63 DB(A) LINE FOR MAJOR ROADS 7

15. SITES OF SIGNIFICANCE (SECTION C9) AND GAZETTED AREAS 7

16. LANDSCAPE DESIGN 7

17. ENVIRONMENTAL CONSIDERATIONS 7

18. IMPACT ON EXISTING AND FUTURE SERVICES, ROAD RESERVATIONS AND LEASES, ACCESS TO EXISTING AND PLANNED FACILITIES, PEDESTRIAN DESIRE LINES ETC. 8

19. TRAFFIC MANAGEMENT DURING CONSTRUCTION 8

20. PROPOSALS FOR MATERIALS, COLOURS AND FINISHES..... 8

21. A PROPOSAL FOR PROVIDING CONDUITS, PRE-BLASTING ETC. TO ALLOW FOR THE FUTURE INSTALLATION OF SERVICES SUCH AS TRAFFIC LIGHTS, WATER MAINS ETC. 8

22. PLANTING CONCEPTS INCLUDING SPECIES;..... 8

23. TRAFFIC CONTROL DEVICES PLAN..... 8

24. RECOMMENDATIONS 8

APPENDIX 1 – SUMMARY OF THE BILL OF QUANTITIES 9

APPENDIX 2 – DETAILED DESIGN DRAWINGS..... 10

1. EXECUTIVE SUMMARY

RD Gossip Pty Ltd (RDG) were engaged to provide design services as part of the Delivering ANRAM – Reducing Risk of Fatal and Serious Injury Crashes on Arterial Roads for Infrastructure Delivery Partners Group (IDP) on behalf of Transport Canberra & City Services (TCCS).

The Final Design (DR) submission is for the installation of Audio Tactile Line Marking (ATLM) and speed limit changes on the selected rural roads as part of this project. The designs have been developed from the preliminary designs and incorporate stakeholder comments.

1.1 Key Project Goals

The key objectives as specified in the brief are:

- "To undertake further detailed investigation, prioritisation and documentation of road safety improvement works for implementation in stages on the basis of AusRAP and ANRAM assessments undertaken in 2019.
- To improve and facilitate road safety by developing practical measures to reduce the risk of fatalities and serious injuries;
- To review the prioritisation order proposed by Roads ACT for the Urban roads to achieve the long-term goal of having all arterial roads in the ACT 3-star rated or higher;
- To study the feasibility of implementing the proposed safety improvements on the Rural roads; and
- To prepare detailed designs and document readiness documents for the prioritised Urban road sites and selected rural road sites in packages as will be agreed with Roads ACT during the course of the study."

These objectives are to improve the arterial road network safety throughout the ACT. The project comprises two key components, an assessment of urban arterial roads and an assessment of rural arterial roads. Each have their own elements and require the understanding of the risks involved with the road environment.

This report covers the additional selected urban arterial roads.

1.2 Site locations

There are four additional Urban and 3 additional Rural sites associated with this project. These sites are listed below:

- Additional Urban Sites
  - Site 21 – Mugga Lane
  - Site 22 – Canberra Avenue
  - Site 23 – Drakeford Drive
  - Site 24 – Haydon Drive
- Additional Rural Sites
  - Site 14 – Paddys River Road
  - Site 15 – Tidbinbilla Road
  - Site 16 – Naas Road

Each site comprises a set section of the road. Refer to the Additional Rural Roads Feasibility Study and Additional Urban Roads Design Option Study for further details. This report is only for the Rural Sites.

2. PROJECT BRIEF STATEMENT

The project has been designed in accordance with the Project Brief. There are no departures in the design from the brief.

The design has adhered to the following standards and guidelines:

- Australian Standard AS1742.2-2009 Manual of uniform traffic control devices – Part 2: Traffic control devices for general use;
- Australian Standard AS1742.4-2020 Manual of uniform traffic control devices – Part 4: Speed Controls, and
- Design Standards for Urban Infrastructure – Standard Drawings.

3. UNRESOLVED ISSUES

There are no unresolved issues identified.

4. ESTIMATE OF COSTS

The indicative construction cost estimates excluding GST is provided below for each site.

[redacted]

A summary breakdown estimate is provided in Appendix 1.

5. SAFE AND EFFECTIVE FUNCTIONING OF THE DESIGN

The design has accounted for safety during the construction, maintenance, user and demolition.

Any matters that could have been identified as critical have been designed out of the provided designs.

6. ACT PLANNING AND LAND AUTHORITY SUBMISSION REQUIREMENTS FOR THE PROJECT.

The works are within the existing road reserve and are considered public works (street furniture).

The works are within the existing road reserve and located outside National Capital Authority Designated Land.

7. DESIGN SUMMARY

The following treatments have been selected for the identified sites.

7.1 Site 14 – Paddys River Road

Centreline ATLM is proposed for the full length of the sealed section of Paddys River Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), where the radius of the curve is less than 450 m, or where the speed limit is below 80 km/h.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

The speed limit on Paddys River Road will also be reduced to 80 km/h for the section that passes through the forestry area.

7.2 Site 15 – Tidbinbilla Road

Centreline ATLM is proposed for the full length of the sealed section of Tidbinbilla Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), where the radius of the curve is less than 450 m, or where the speed limit is below 80 km/h.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

The speed limit on Tidbinbilla River Road will also be reduced to 80 km/h in the vicinity of the intersection with Point Hut Road.

7.3 Site 16 – Naas Road

Centreline ATLM is proposed for the full length of the sealed section of Naas Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), where the radius of the curve is less than 450 m, or where the speed limit is below 80 km/h.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

The speed limit on Naas Road will also be reduced to 80 km/h.

8. FINAL DESIGN PLANS

The following drawings are provided with the DR submission:

8.1 Site 14 – Paddys River Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1401	0	Traffic Control Device Plan - Sheet 1 of 47
RG 20110	RTC1402	0	Traffic Control Device Plan - Sheet 2 of 47
RG 20110	RTC1403	0	Traffic Control Device Plan - Sheet 3 of 47
RG 20110	RTC1404	0	Traffic Control Device Plan - Sheet 4 of 47
RG 20110	RTC1405	0	Traffic Control Device Plan - Sheet 5 of 47
RG 20110	RTC1406	0	Traffic Control Device Plan - Sheet 6 of 47
RG 20110	RTC1407	0	Traffic Control Device Plan - Sheet 7 of 47
RG 20110	RTC1408	0	Traffic Control Device Plan - Sheet 8 of 47
RG 20110	RTC1409	0	Traffic Control Device Plan - Sheet 9 of 47
RG 20110	RTC1410	0	Traffic Control Device Plan - Sheet 10 of 47
RG 20110	RTC1411	0	Traffic Control Device Plan - Sheet 11 of 47
RG 20110	RTC1412	0	Traffic Control Device Plan - Sheet 12 of 47
RG 20110	RTC1413	0	Traffic Control Device Plan - Sheet 13 of 47
RG 20110	RTC1414	0	Traffic Control Device Plan - Sheet 14 of 47
RG 20110	RTC1415	0	Traffic Control Device Plan - Sheet 15 of 47
RG 20110	RTC1416	0	Traffic Control Device Plan - Sheet 16 of 47

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1417	0	Traffic Control Device Plan - Sheet 17 of 47
RG 20110	RTC1418	0	Traffic Control Device Plan - Sheet 18 of 47
RG 20110	RTC1419	0	Traffic Control Device Plan - Sheet 19 of 47
RG 20110	RTC1420	0	Traffic Control Device Plan - Sheet 20 of 47
RG 20110	RTC1421	0	Traffic Control Device Plan - Sheet 21 of 47
RG 20110	RTC1422	0	Traffic Control Device Plan - Sheet 22 of 47
RG 20110	RTC1423	0	Traffic Control Device Plan - Sheet 23 of 47
RG 20110	RTC1424	0	Traffic Control Device Plan - Sheet 24 of 47
RG 20110	RTC1425	0	Traffic Control Device Plan - Sheet 25 of 47
RG 20110	RTC1426	0	Traffic Control Device Plan - Sheet 26 of 47
RG 20110	RTC1427	0	Traffic Control Device Plan - Sheet 27 of 47
RG 20110	RTC1428	0	Traffic Control Device Plan - Sheet 28 of 47
RG 20110	RTC1429	0	Traffic Control Device Plan - Sheet 29 of 47
RG 20110	RTC1430	0	Traffic Control Device Plan - Sheet 30 of 47
RG 20110	RTC1431	0	Traffic Control Device Plan - Sheet 31 of 47
RG 20110	RTC1432	0	Traffic Control Device Plan - Sheet 32 of 47
RG 20110	RTC1433	0	Traffic Control Device Plan - Sheet 33 of 47
RG 20110	RTC1434	0	Traffic Control Device Plan - Sheet 34 of 47
RG 20110	RTC1435	0	Traffic Control Device Plan - Sheet 35 of 47
RG 20110	RTC1436	0	Traffic Control Device Plan - Sheet 36 of 47
RG 20110	RTC1437	0	Traffic Control Device Plan - Sheet 37 of 47
RG 20110	RTC1438	0	Traffic Control Device Plan - Sheet 38 of 47
RG 20110	RTC1439	0	Traffic Control Device Plan - Sheet 39 of 47
RG 20110	RTC1440	0	Traffic Control Device Plan - Sheet 40 of 47
RG 20110	RTC1441	0	Traffic Control Device Plan - Sheet 41 of 47
RG 20110	RTC1442	0	Traffic Control Device Plan - Sheet 42 of 47
RG 20110	RTC1443	0	Traffic Control Device Plan - Sheet 43 of 47
RG 20110	RTC1444	0	Traffic Control Device Plan - Sheet 44 of 47
RG 20110	RTC1445	0	Traffic Control Device Plan - Sheet 45 of 47
RG 20110	RTC1446	0	Traffic Control Device Plan - Sheet 46 of 47
RG 20110	RTC1447	0	Traffic Control Device Plan - Sheet 47 of 47

8.2 Site 15 – Tidbinbilla Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1501	0	Traffic Control Device Plan - Sheet 1 of 48
RG 20110	RTC1502	0	Traffic Control Device Plan - Sheet 2 of 48
RG 20110	RTC1503	0	Traffic Control Device Plan - Sheet 3 of 48
RG 20110	RTC1504	0	Traffic Control Device Plan - Sheet 4 of 48
RG 20110	RTC1505	0	Traffic Control Device Plan - Sheet 5 of 48
RG 20110	RTC1506	0	Traffic Control Device Plan - Sheet 6 of 48
RG 20110	RTC1507	0	Traffic Control Device Plan - Sheet 7 of 48
RG 20110	RTC1508	0	Traffic Control Device Plan - Sheet 8 of 48
RG 20110	RTC1509	0	Traffic Control Device Plan - Sheet 9 of 48
RG 20110	RTC1510	0	Traffic Control Device Plan - Sheet 10 of 48
RG 20110	RTC1511	0	Traffic Control Device Plan - Sheet 11 of 48
RG 20110	RTC1512	0	Traffic Control Device Plan - Sheet 12 of 48
RG 20110	RTC1513	0	Traffic Control Device Plan - Sheet 13 of 48
RG 20110	RTC1514	0	Traffic Control Device Plan - Sheet 14 of 48
RG 20110	RTC1515	0	Traffic Control Device Plan - Sheet 15 of 48
RG 20110	RTC1516	0	Traffic Control Device Plan - Sheet 16 of 48
RG 20110	RTC1517	0	Traffic Control Device Plan - Sheet 17 of 48
RG 20110	RTC1518	0	Traffic Control Device Plan - Sheet 18 of 48
RG 20110	RTC1519	0	Traffic Control Device Plan - Sheet 19 of 48
RG 20110	RTC1520	0	Traffic Control Device Plan - Sheet 20 of 48
RG 20110	RTC1521	0	Traffic Control Device Plan - Sheet 21 of 48
RG 20110	RTC1522	0	Traffic Control Device Plan - Sheet 22 of 48
RG 20110	RTC1523	0	Traffic Control Device Plan - Sheet 23 of 48
RG 20110	RTC1524	0	Traffic Control Device Plan - Sheet 24 of 48
RG 20110	RTC1525	0	Traffic Control Device Plan - Sheet 25 of 48
RG 20110	RTC1526	0	Traffic Control Device Plan - Sheet 26 of 48
RG 20110	RTC1527	0	Traffic Control Device Plan - Sheet 27 of 48
RG 20110	RTC1528	0	Traffic Control Device Plan - Sheet 28 of 48
RG 20110	RTC1529	0	Traffic Control Device Plan - Sheet 29 of 48
RG 20110	RTC1530	0	Traffic Control Device Plan - Sheet 30 of 48
RG 20110	RTC1531	0	Traffic Control Device Plan - Sheet 31 of 48
RG 20110	RTC1532	0	Traffic Control Device Plan - Sheet 32 of 48
RG 20110	RTC1533	0	Traffic Control Device Plan - Sheet 33 of 48
RG 20110	RTC1534	0	Traffic Control Device Plan - Sheet 34 of 48
RG 20110	RTC1535	0	Traffic Control Device Plan - Sheet 35 of 48
RG 20110	RTC1536	0	Traffic Control Device Plan - Sheet 36 of 48

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1537	0	Traffic Control Device Plan - Sheet 37 of 48
RG 20110	RTC1538	0	Traffic Control Device Plan - Sheet 38 of 48
RG 20110	RTC1539	0	Traffic Control Device Plan - Sheet 39 of 48
RG 20110	RTC1540	0	Traffic Control Device Plan - Sheet 40 of 48
RG 20110	RTC1541	0	Traffic Control Device Plan - Sheet 41 of 48
RG 20110	RTC1542	0	Traffic Control Device Plan - Sheet 42 of 48
RG 20110	RTC1543	0	Traffic Control Device Plan - Sheet 43 of 48
RG 20110	RTC1544	0	Traffic Control Device Plan - Sheet 44 of 48
RG 20110	RTC1545	0	Traffic Control Device Plan - Sheet 45 of 48
RG 20110	RTC1546	0	Traffic Control Device Plan - Sheet 46 of 48
RG 20110	RTC1547	0	Traffic Control Device Plan - Sheet 47 of 48
RG 20110	RTC1548	0	Traffic Control Device Plan - Sheet 48 of 48

8.3 Site 16 – Naas Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1601	0	Traffic Control Device Plan - Sheet 1 of 32
RG 20110	RTC1602	0	Traffic Control Device Plan - Sheet 2 of 32
RG 20110	RTC1603	0	Traffic Control Device Plan - Sheet 3 of 32
RG 20110	RTC1604	0	Traffic Control Device Plan - Sheet 4 of 32
RG 20110	RTC1605	0	Traffic Control Device Plan - Sheet 5 of 32
RG 20110	RTC1606	0	Traffic Control Device Plan - Sheet 6 of 32
RG 20110	RTC1607	0	Traffic Control Device Plan - Sheet 7 of 32
RG 20110	RTC1608	0	Traffic Control Device Plan - Sheet 8 of 32
RG 20110	RTC1609	0	Traffic Control Device Plan - Sheet 9 of 32
RG 20110	RTC1610	0	Traffic Control Device Plan - Sheet 10 of 32
RG 20110	RTC1611	0	Traffic Control Device Plan - Sheet 11 of 32
RG 20110	RTC1612	0	Traffic Control Device Plan - Sheet 12 of 32
RG 20110	RTC1613	0	Traffic Control Device Plan - Sheet 13 of 32
RG 20110	RTC1614	0	Traffic Control Device Plan - Sheet 14 of 32
RG 20110	RTC1615	0	Traffic Control Device Plan - Sheet 15 of 32
RG 20110	RTC1616	0	Traffic Control Device Plan - Sheet 16 of 32
RG 20110	RTC1617	0	Traffic Control Device Plan - Sheet 17 of 32
RG 20110	RTC1618	0	Traffic Control Device Plan - Sheet 18 of 32
RG 20110	RTC1619	0	Traffic Control Device Plan - Sheet 19 of 32
RG 20110	RTC1620	0	Traffic Control Device Plan - Sheet 20 of 32
RG 20110	RTC1621	0	Traffic Control Device Plan - Sheet 21 of 32
RG 20110	RTC1622	0	Traffic Control Device Plan - Sheet 22 of 32
RG 20110	RTC1623	0	Traffic Control Device Plan - Sheet 23 of 32

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1624	0	Traffic Control Device Plan - Sheet 24 of 32
RG 20110	RTC1625	0	Traffic Control Device Plan - Sheet 25 of 32
RG 20110	RTC1626	0	Traffic Control Device Plan - Sheet 26 of 32
RG 20110	RTC1627	0	Traffic Control Device Plan - Sheet 27 of 32
RG 20110	RTC1628	0	Traffic Control Device Plan - Sheet 28 of 32
RG 20110	RTC1629	0	Traffic Control Device Plan - Sheet 29 of 32
RG 20110	RTC1630	0	Traffic Control Device Plan - Sheet 30 of 32
RG 20110	RTC1631	0	Traffic Control Device Plan - Sheet 31 of 32
RG 20110	RTC1632	0	Traffic Control Device Plan - Sheet 32 of 32

The drawings are provided in Appendix 2.

9. DRAINAGE MASTER PLAN

No changes to the existing drainage. A drainage masterplan is not required.

10. OUTLINES FOR MAJOR STRUCTURES

Not applicable.

11. GEO-TECHNICAL REPORT

Not applicable.

12. PAVEMENT OPTIONS STUDY

Not applicable.

13. PRELIMINARY GRADING AND TYPICAL CROSS SECTIONS

Not applicable.

14. PREDICTED 63 DB(A) LINE FOR MAJOR ROADS

Not applicable.

15. SITES OF SIGNIFICANCE (SECTION C9) AND GAZETTED AREAS

Not applicable.

16. LANDSCAPE DESIGN

Not applicable.

17. ENVIRONMENTAL CONSIDERATIONS

Not applicable.

18. IMPACT ON EXISTING AND FUTURE SERVICES, ROAD RESERVATIONS AND LEASES, ACCESS TO EXISTING AND PLANNED FACILITIES, PEDESTRIAN DESIRE LINES ETC.

Not applicable.

19. TRAFFIC MANAGEMENT DURING CONSTRUCTION

Temporary Traffic Management (TTM) Plans will be prepared by the contractor. There are no significant TTM issues identified at this stage.

20. PROPOSALS FOR MATERIALS, COLOURS AND FINISHES

Not applicable.

21. A PROPOSAL FOR PROVIDING CONDUITS, PRE-BLASTING ETC. TO ALLOW FOR THE FUTURE INSTALLATION OF SERVICES SUCH AS TRAFFIC LIGHTS, WATER MAINS ETC.

Not applicable.

22. PLANTING CONCEPTS INCLUDING SPECIES;

Not applicable.

23. TRAFFIC CONTROL DEVICES PLAN

Refer to drawings Section 8.

This was not a requirement of the brief and it is noted that we have not assessed the requirement for, or suitability of the existing TCD's.

24. RECOMMENDATIONS

We recommend that the ATLM installation and speed reductions proceed as designed.

APPENDIX 1 – SUMMARY OF THE BILL OF QUANTITIES

APPENDIX 2 – DETAILED DESIGN DRAWINGS

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 124, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 1 OF 32

Date 24/09/21
Drg. No. RG 20110
Sheet RCP1601
Revision 0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

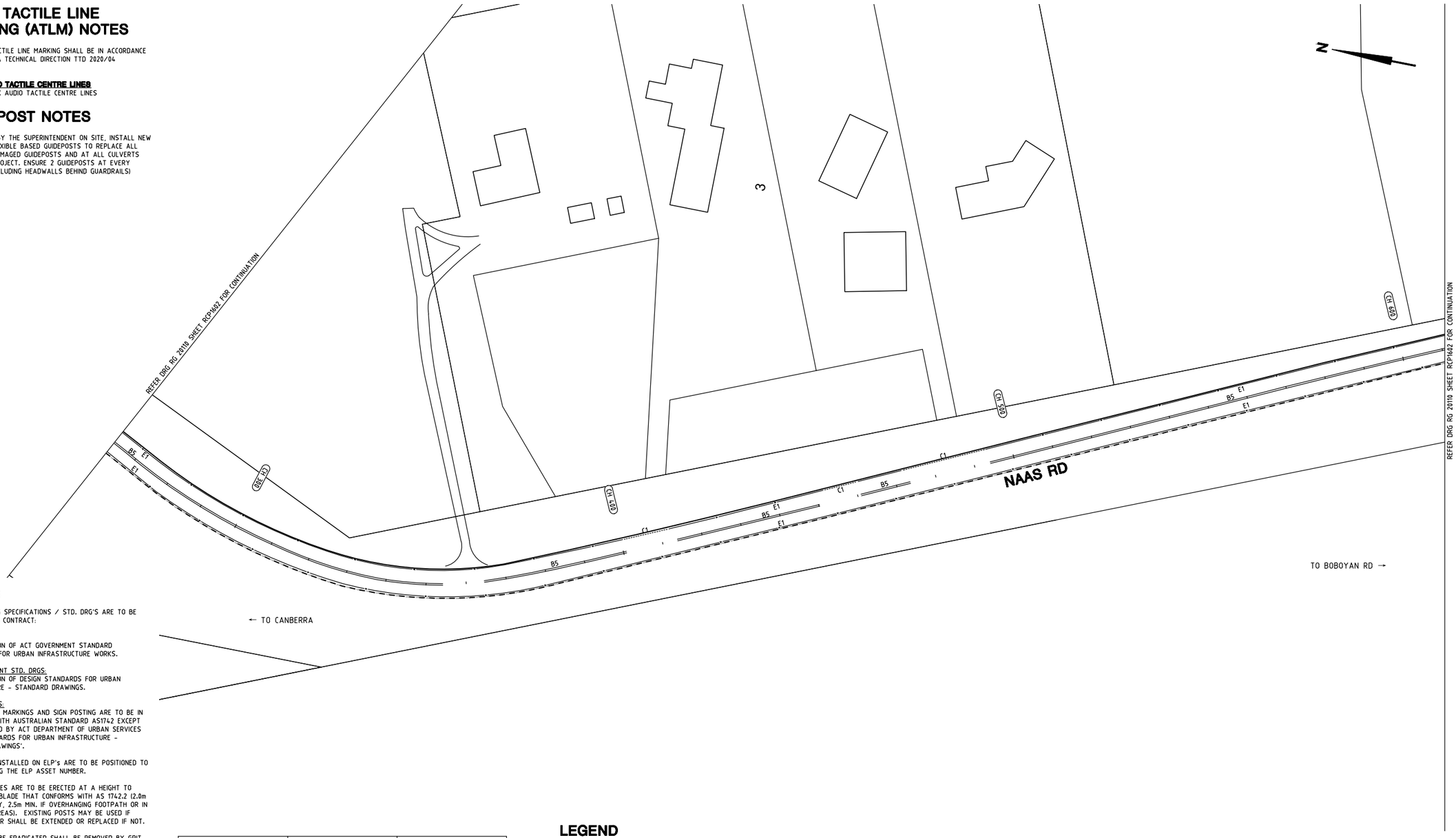
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 2 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1602	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

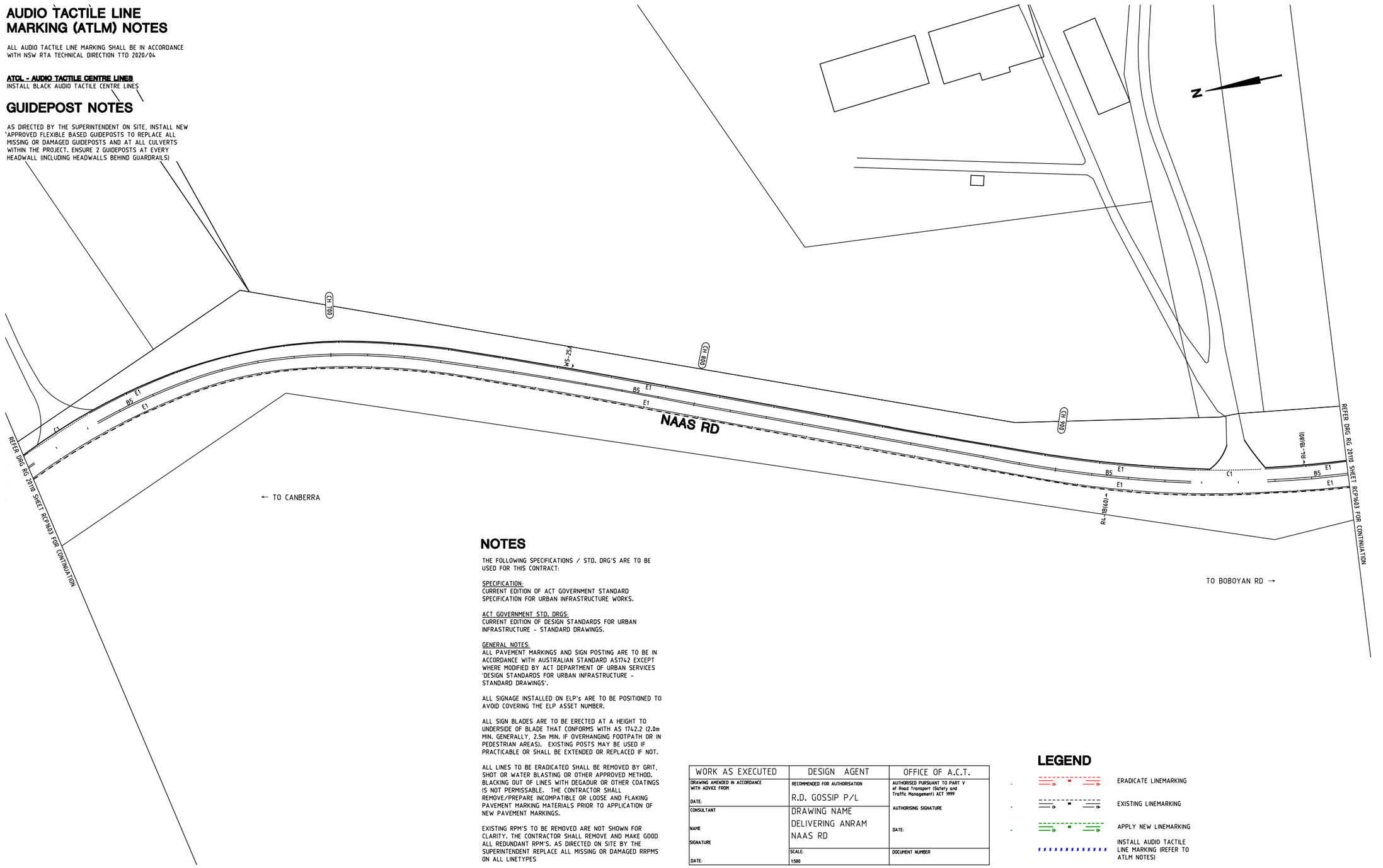
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW 'APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 3 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1603	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

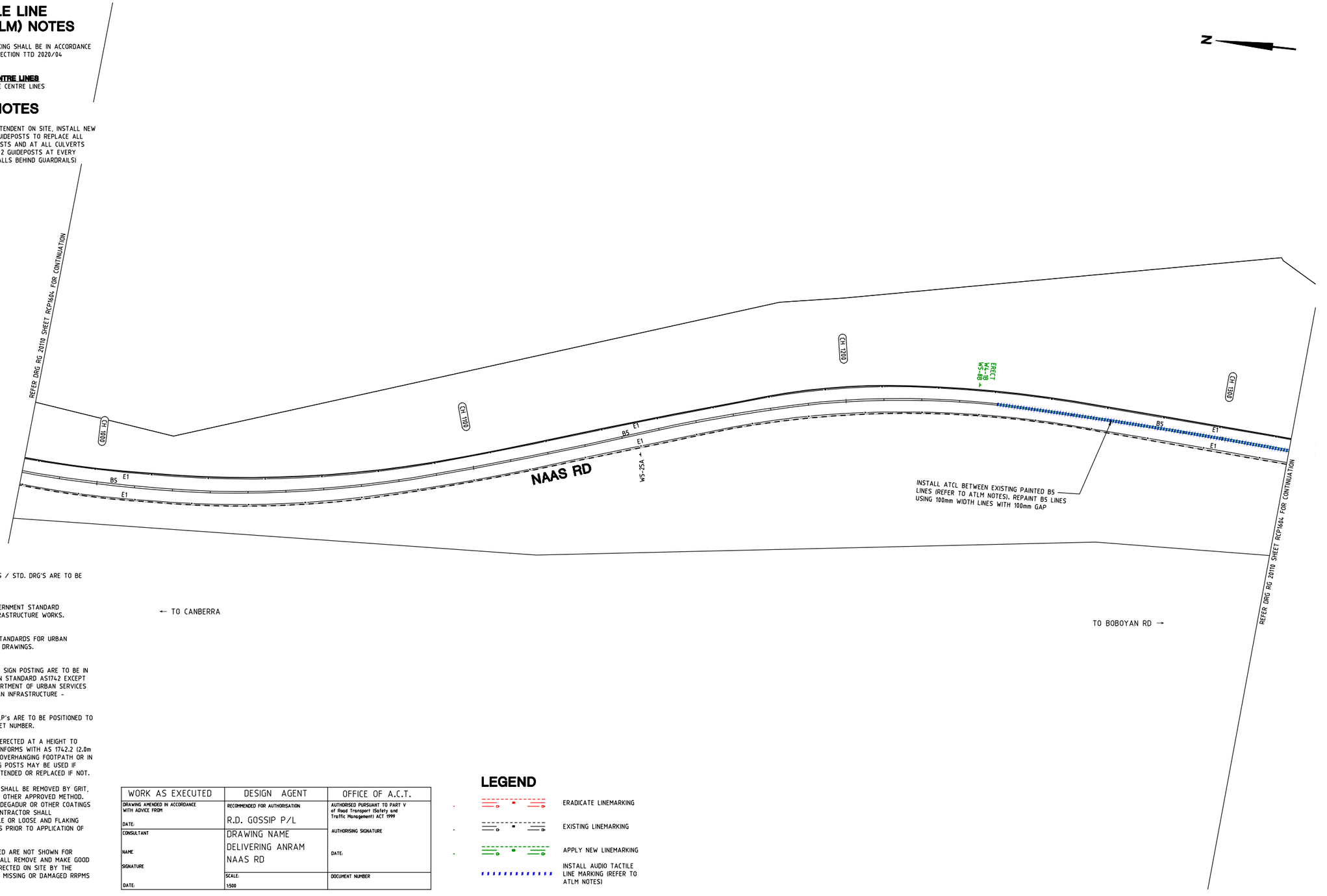
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W4-1	NARROW BRIDGE	-	B	1
W5-8	LOW LEVEL BRIDGE	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by --
Drawn by
Checked by --
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 4 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1604	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

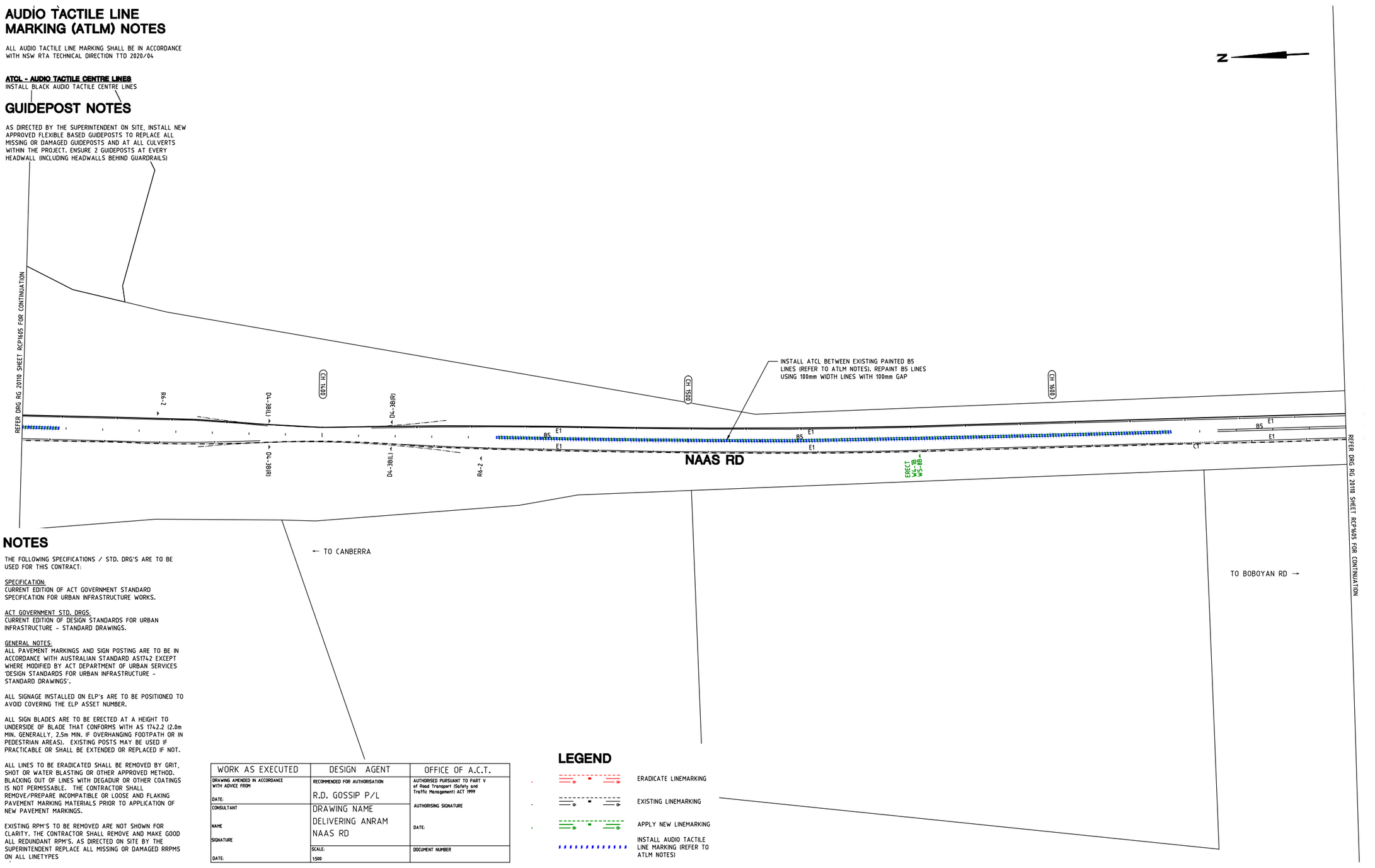
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD SCALE: 1:500	DATE: DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
W4-1	NARROW BRIDGE	-	B	1
W5-8	LOW LEVEL BRIDGE	-	B	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 5 OF 32

Date 24/09/21
Drg. No. RG 20110
Sheet RCP1605
Revision 0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

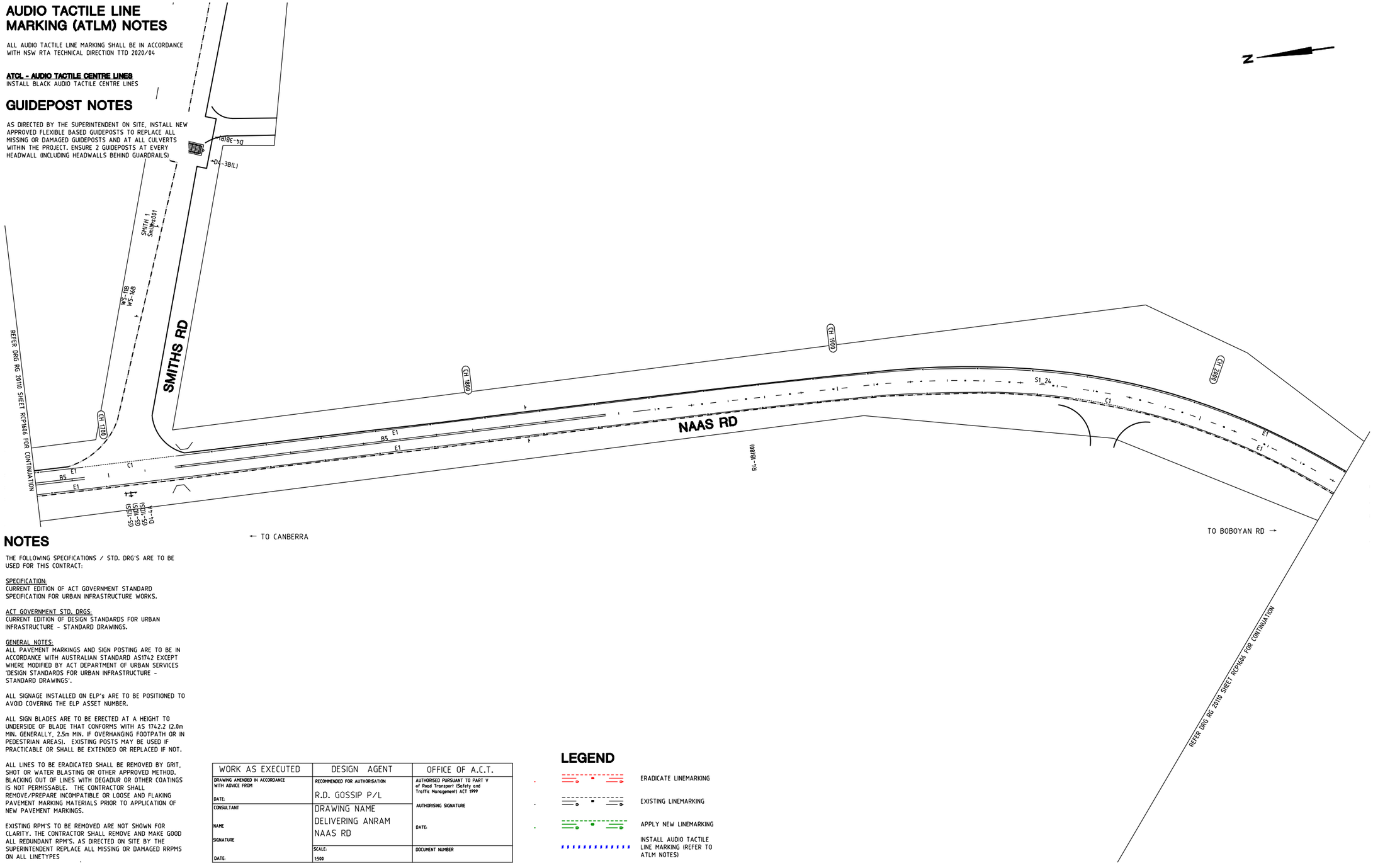
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN - 6 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1606	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

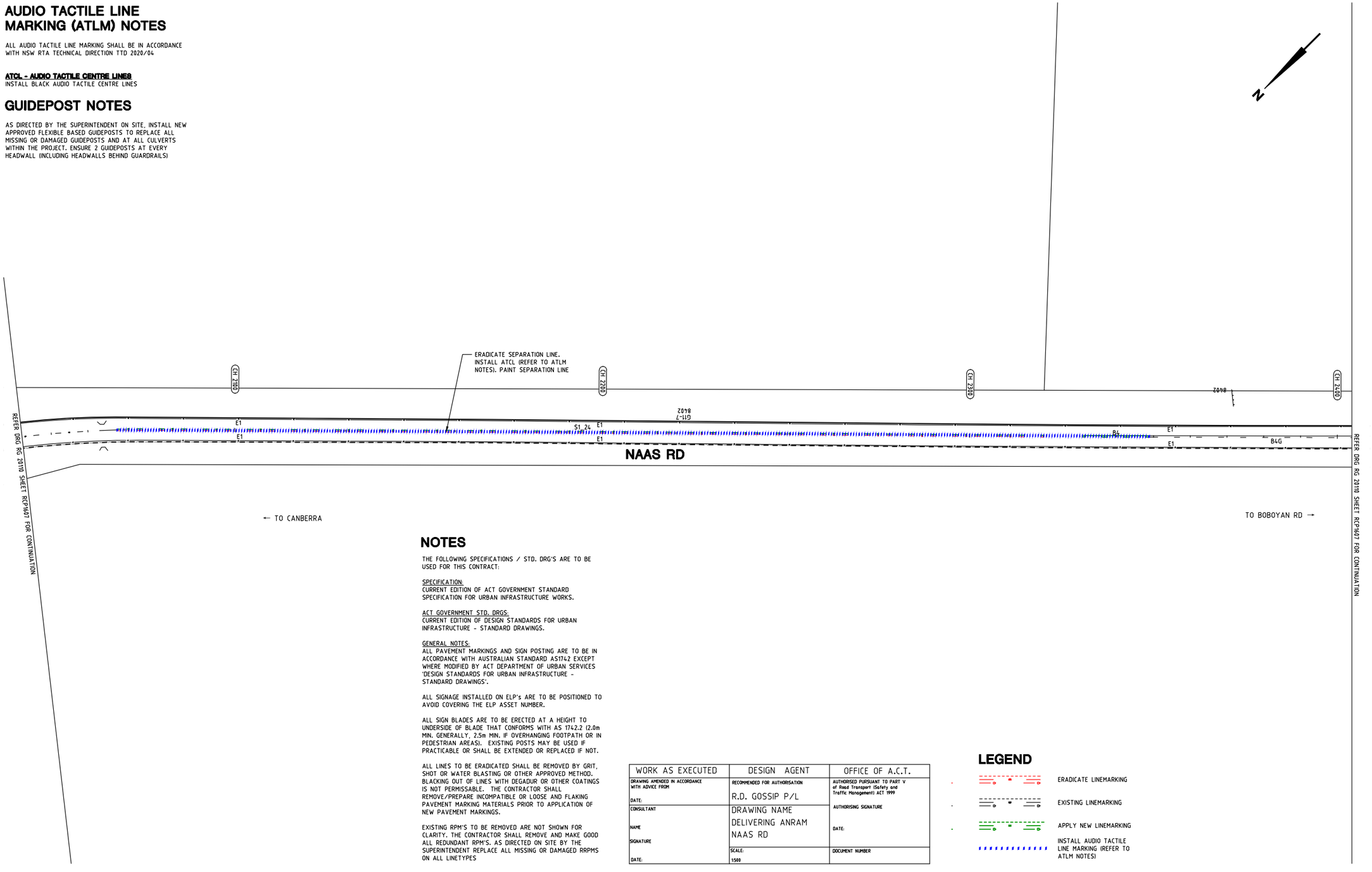
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6319

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 7 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1607	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

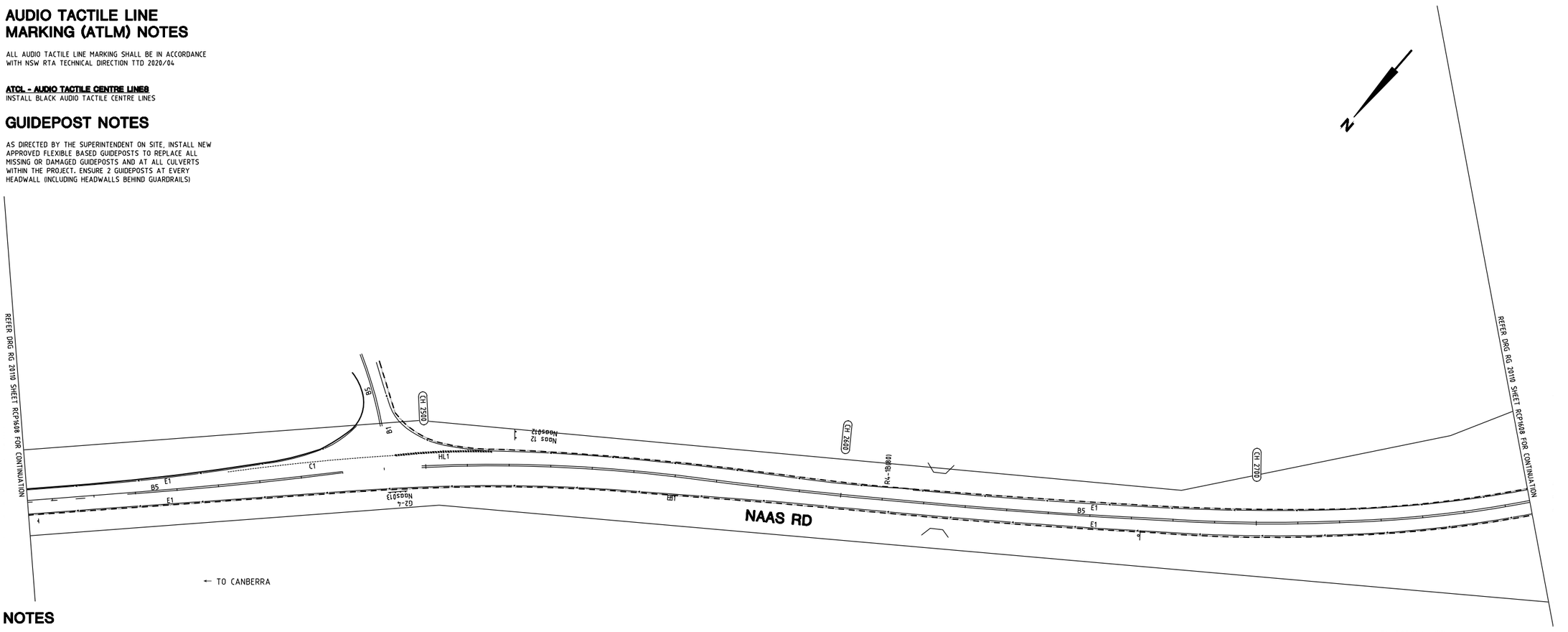
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

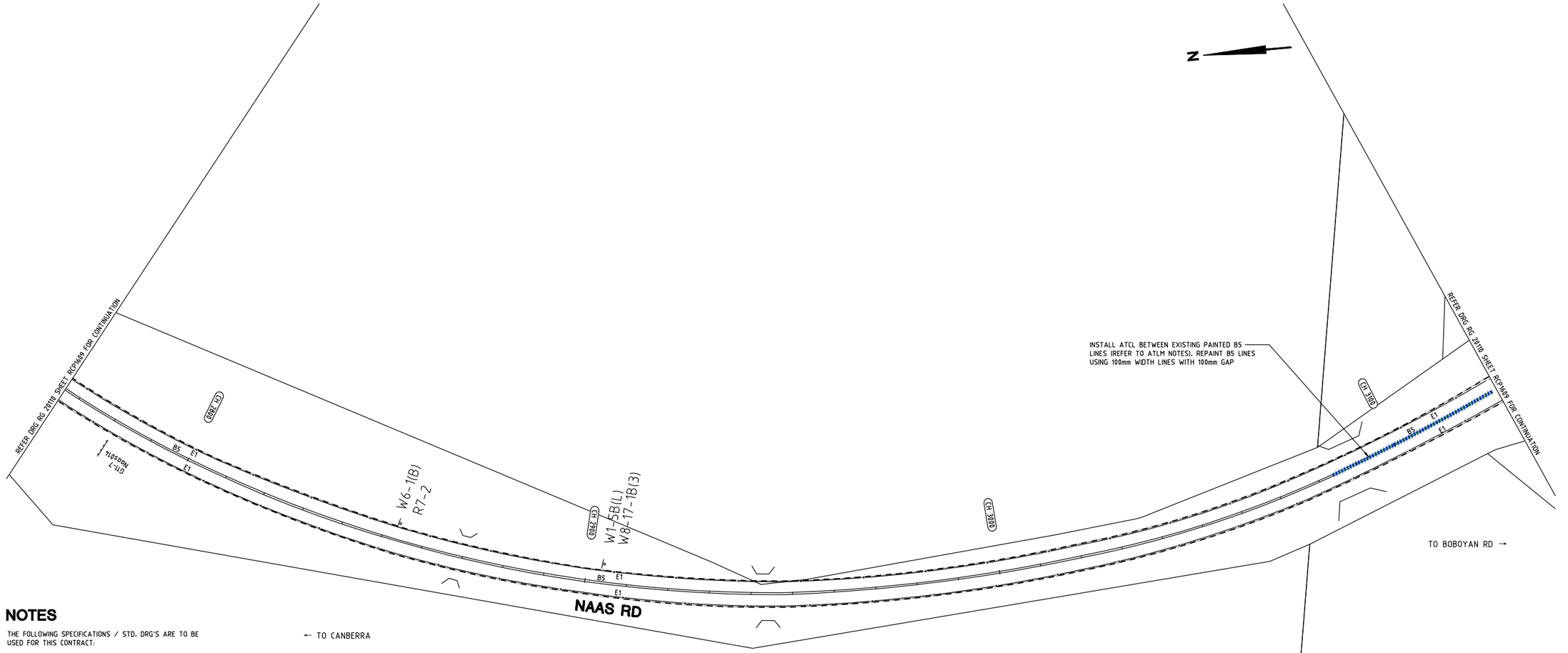
Project
DELIVERING ANRAM

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN - 8 OF 32

Date: 24/09/21
Drg. No.: RG 20110
Sheet: RCP1608
Revision: 0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 9 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1609	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

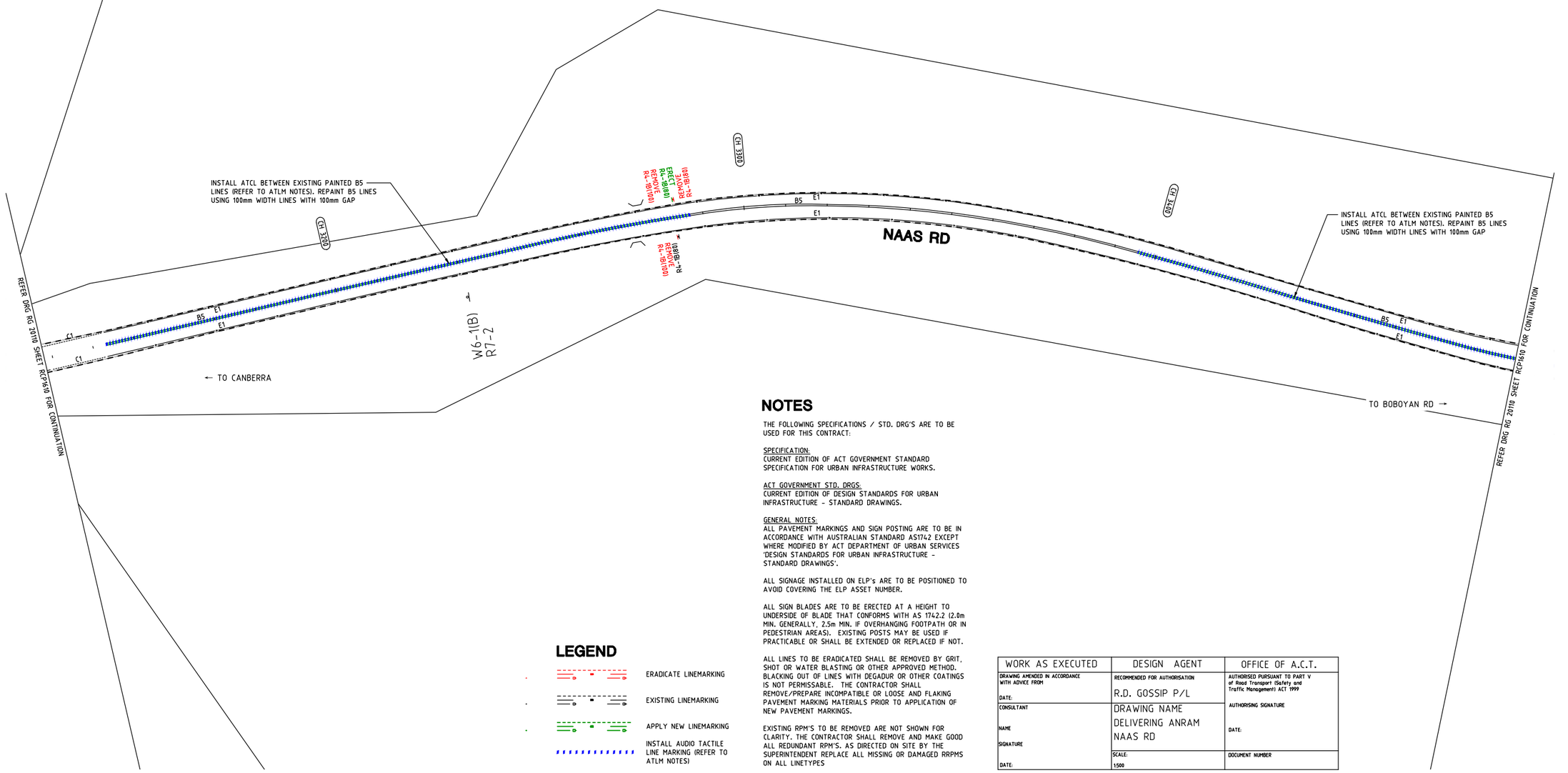
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD SCALE: 1:500	DATE: DOCUMENT NUMBER

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED LIMIT(80)	-	B	1
SIGNS TO BE REMOVED				
R4-1	SPEED LIMIT(80)	-	B	1
R4-1	SPEED LIMIT(100)	-	B	2

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 10 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1610	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

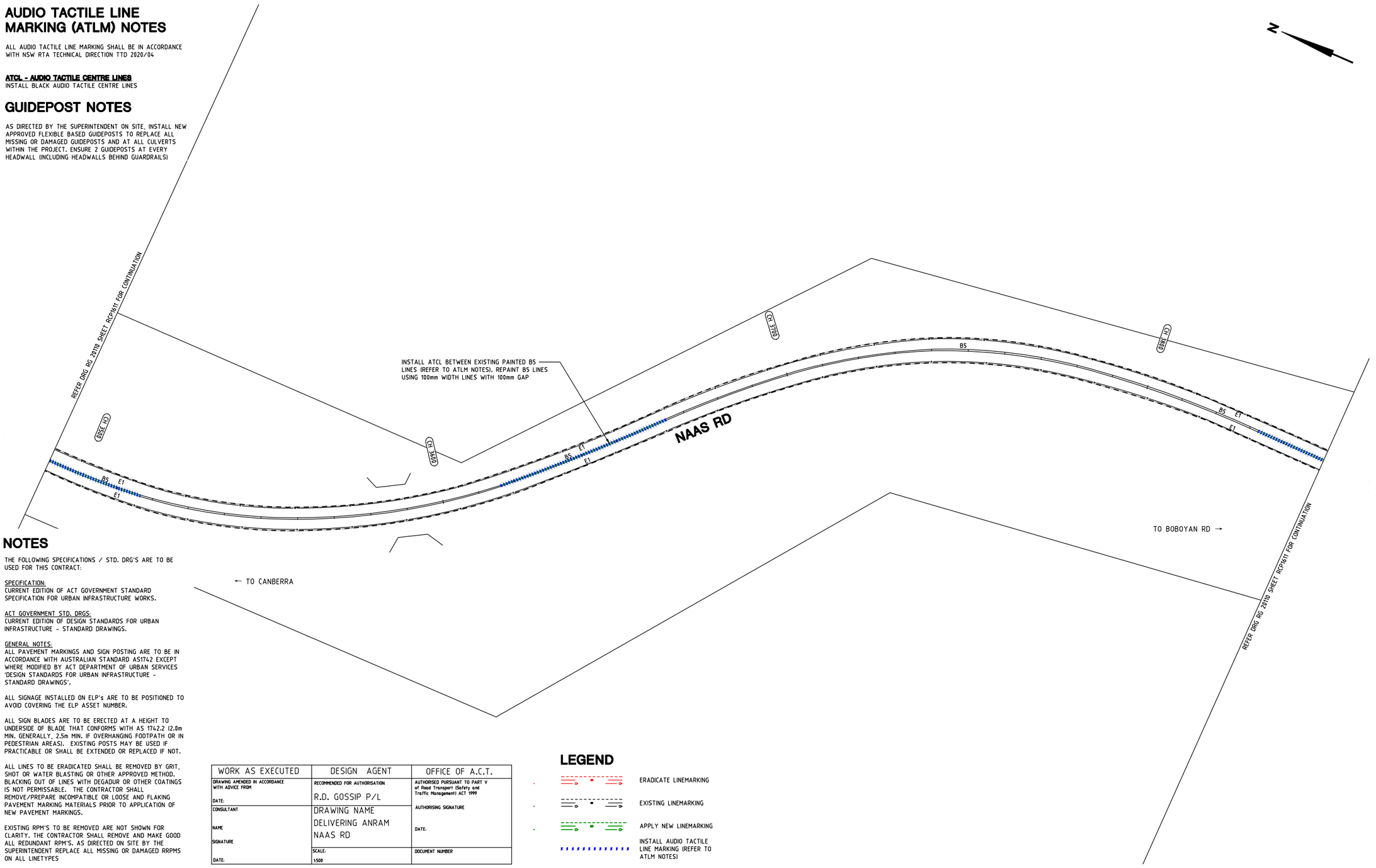
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES.
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN - 11 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1611	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

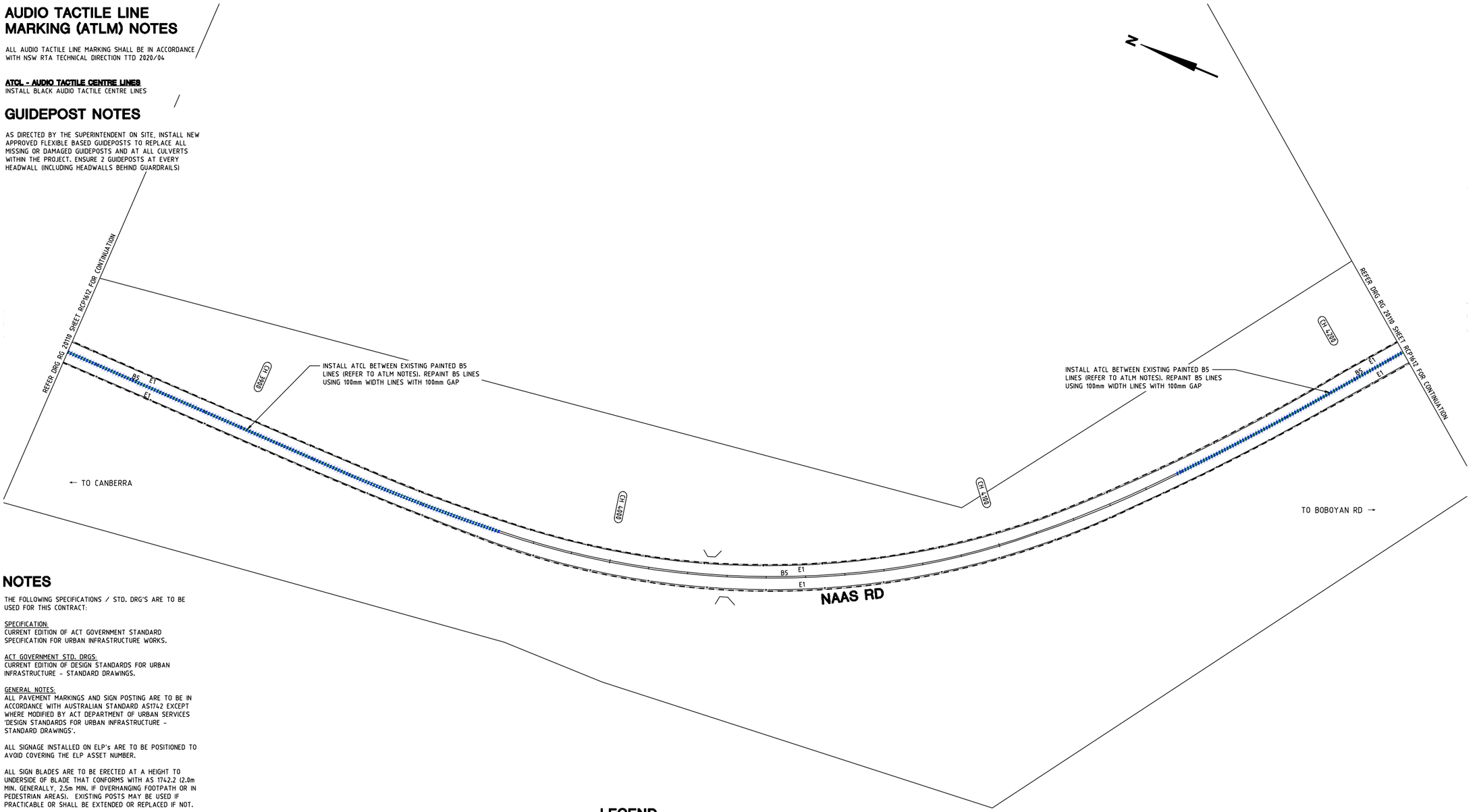
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 12 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1612	0

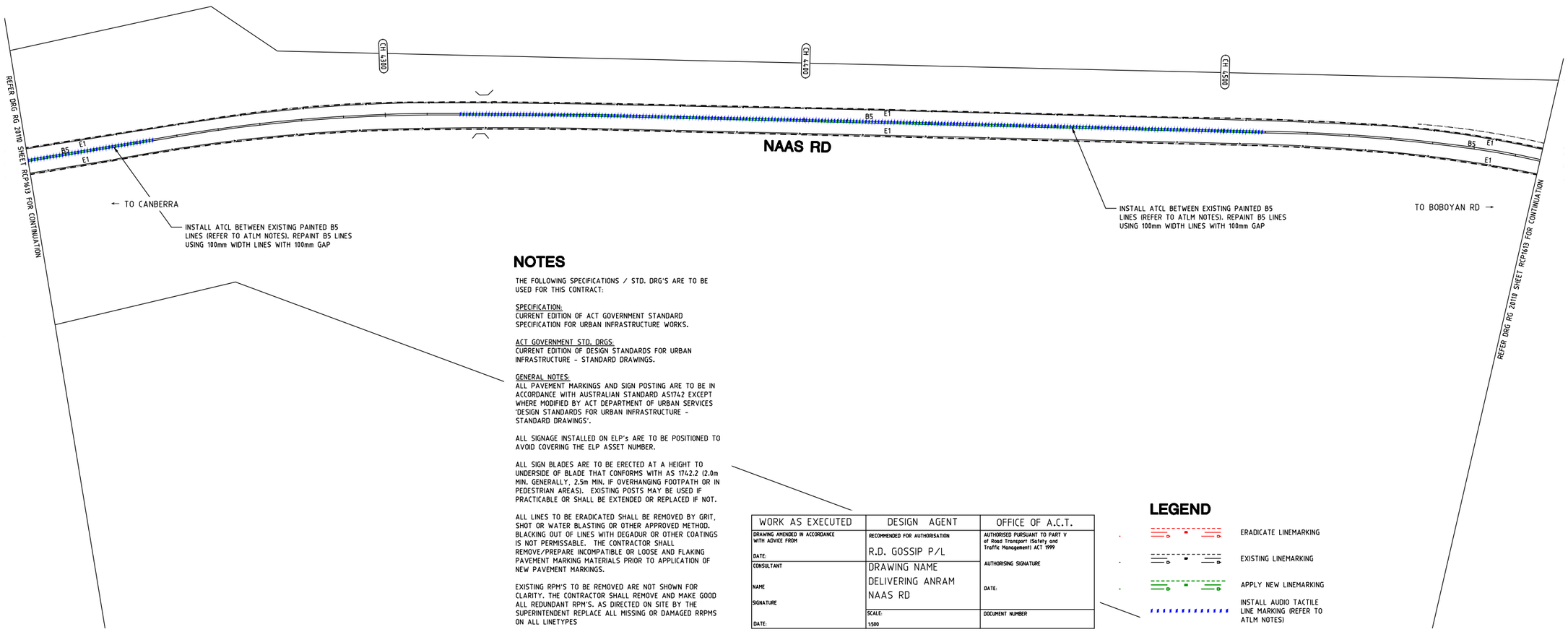
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 13 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1613	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

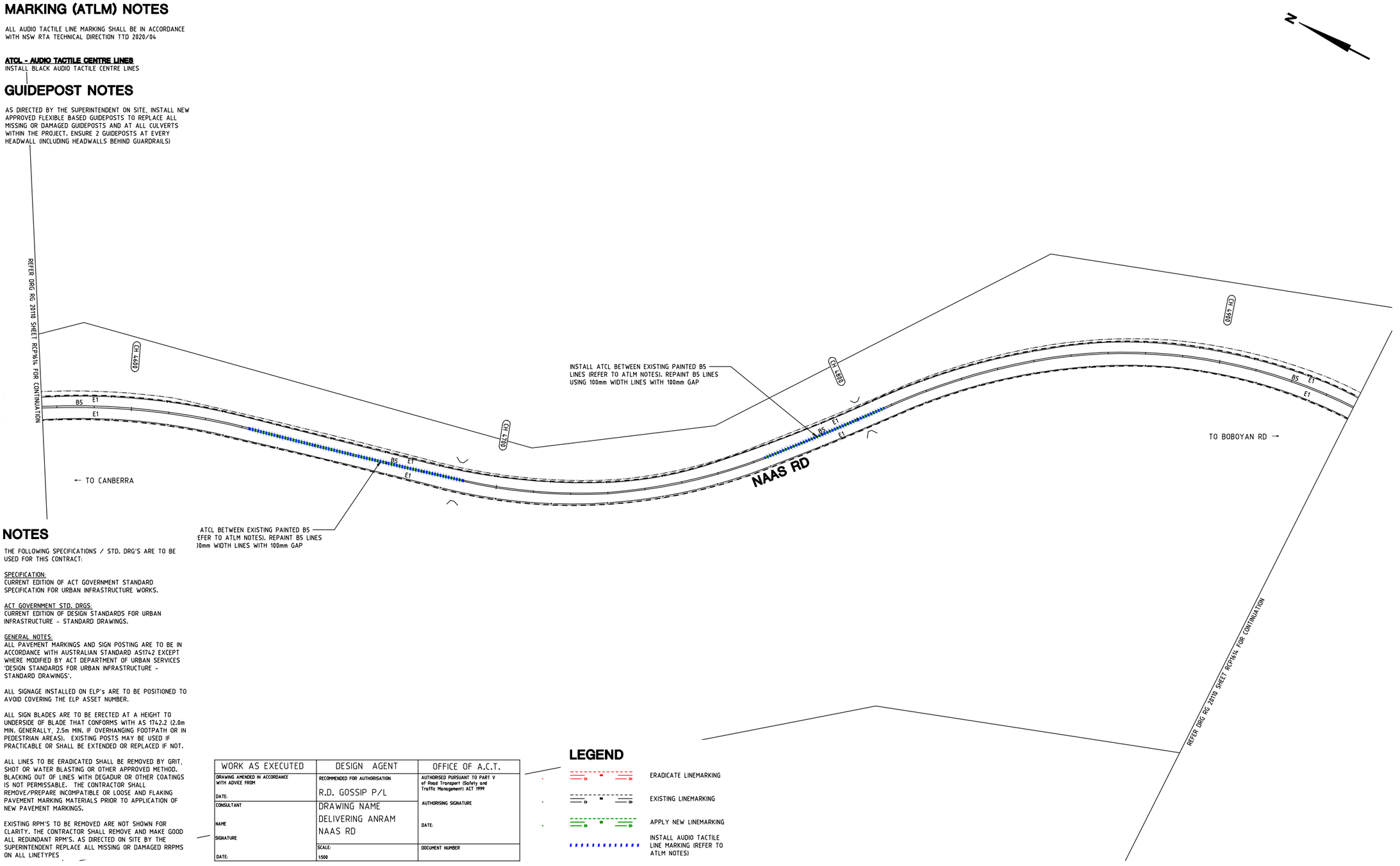
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



ATCL BETWEEN EXISTING PAINTED B5
EFER TO ATLM NOTES). REPAINT B5 LINES
)0mm WIDTH LINES WITH 100mm GAP

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 13 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 14 OF 32

Date 24/09/21
Drg. No. RG 20110
Sheet RCP1614
Revision 0

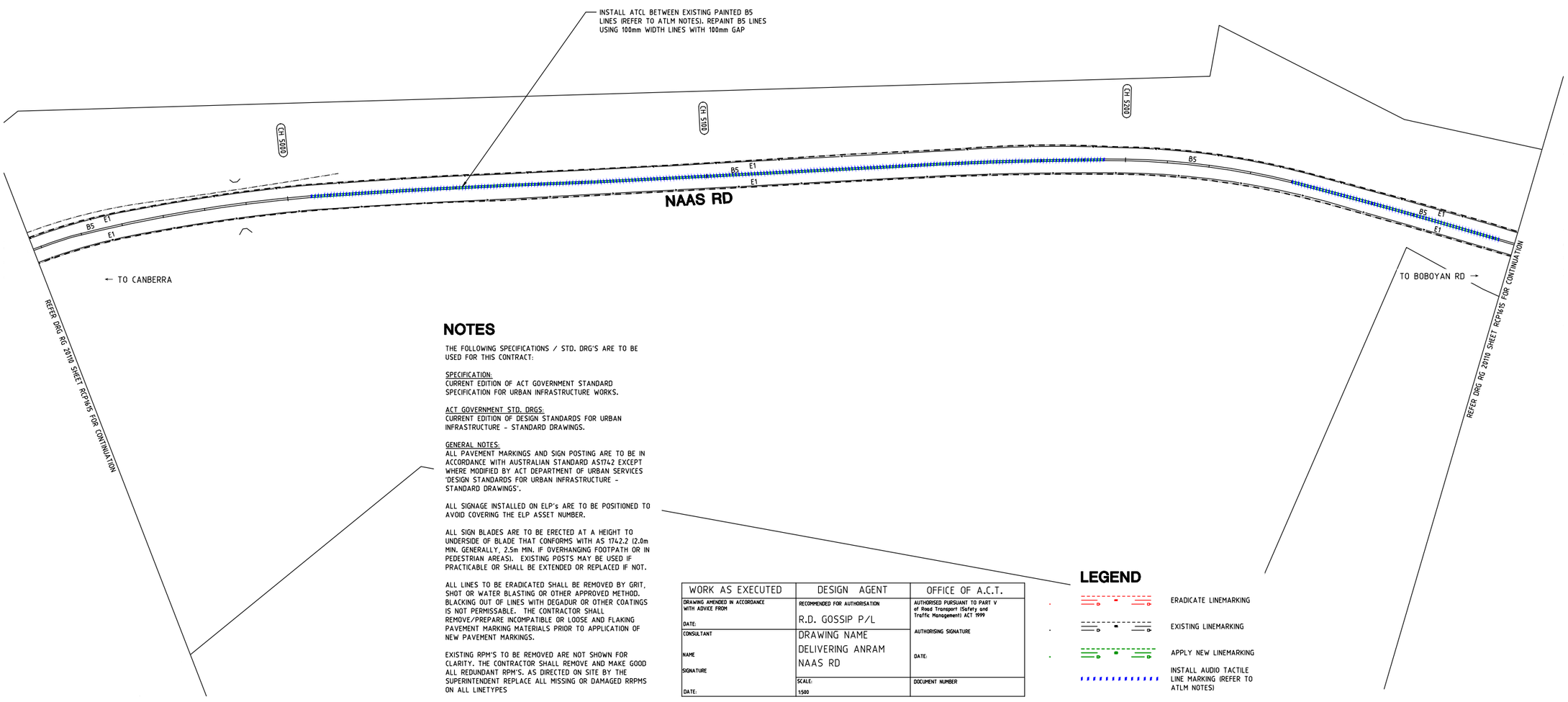
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD SCALE: 1:500	DATE: DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 15 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1615	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

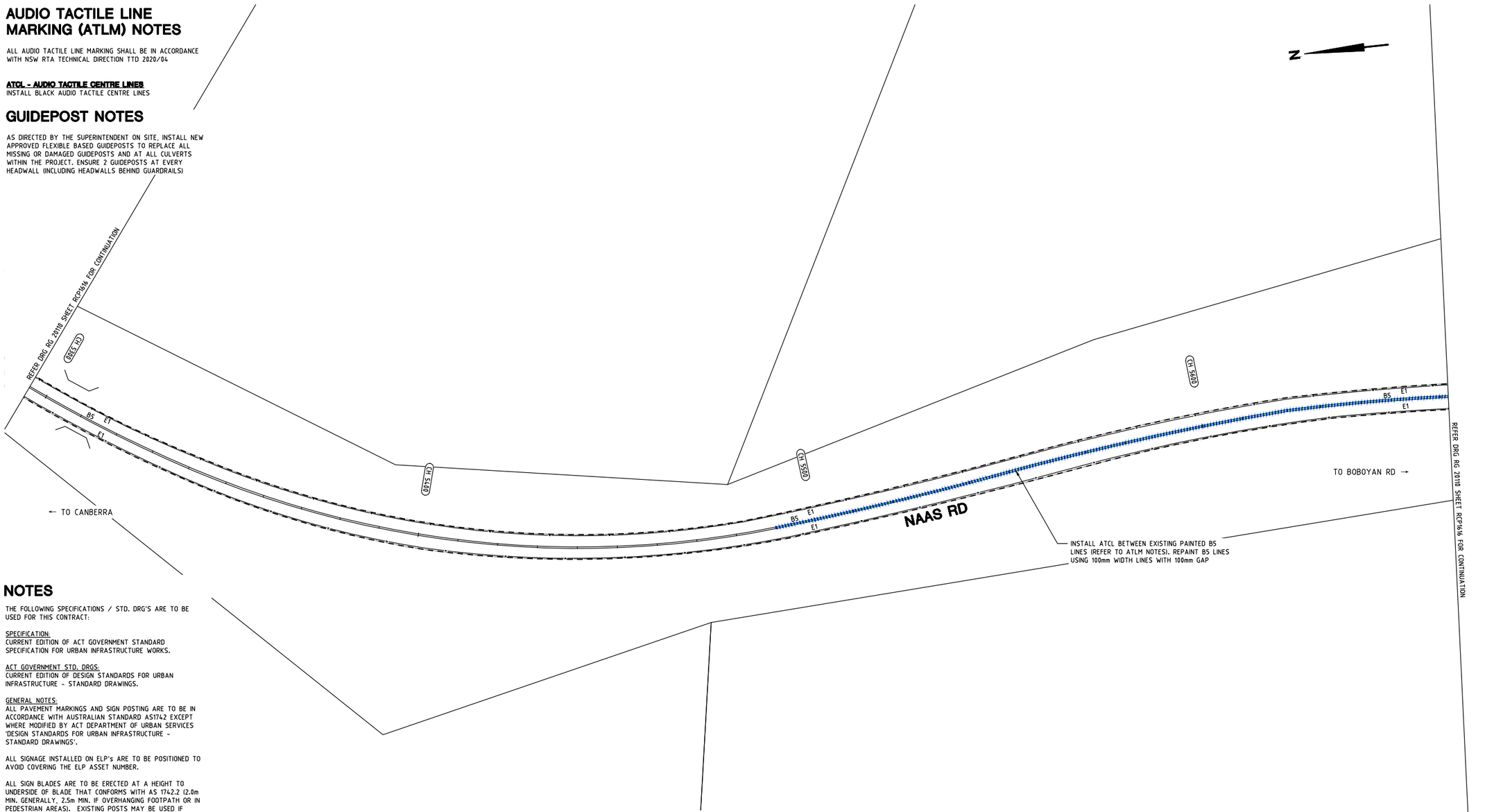
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD SCALE: 1500	DATE: DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 16 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1616	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

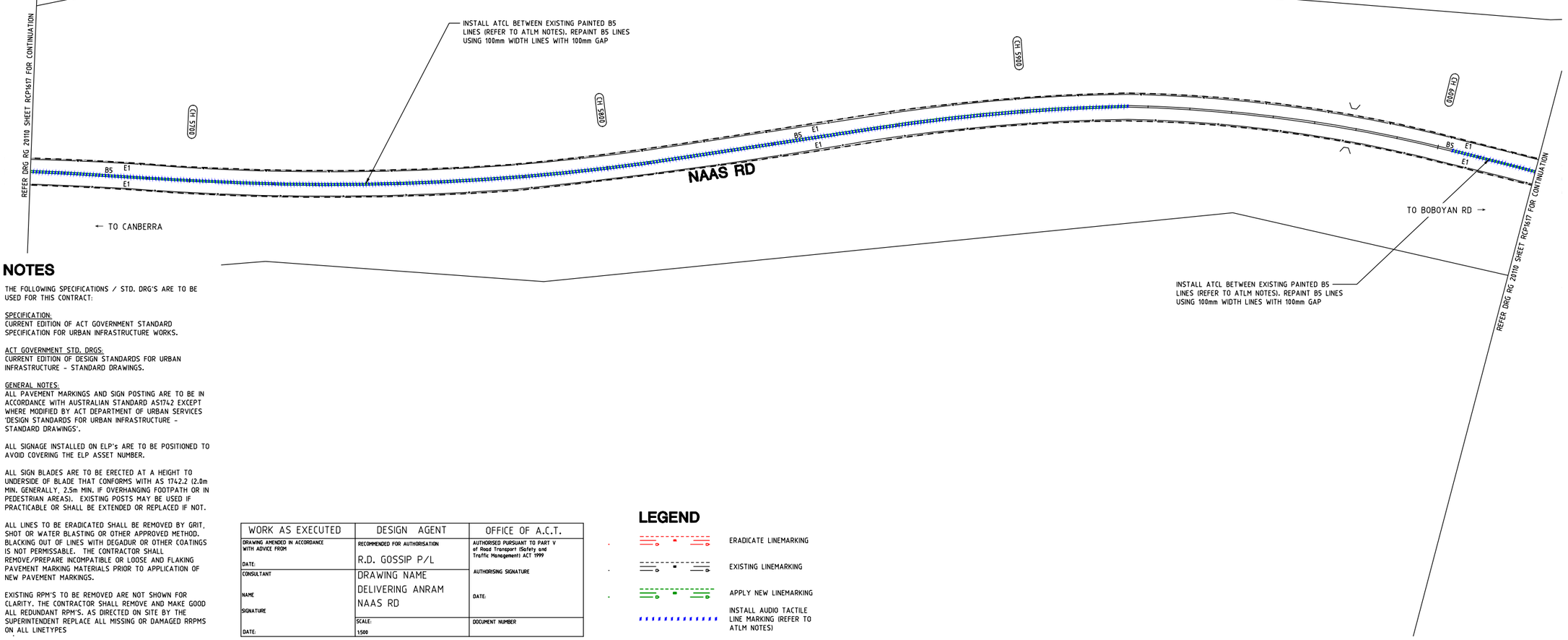
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 17 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1617	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

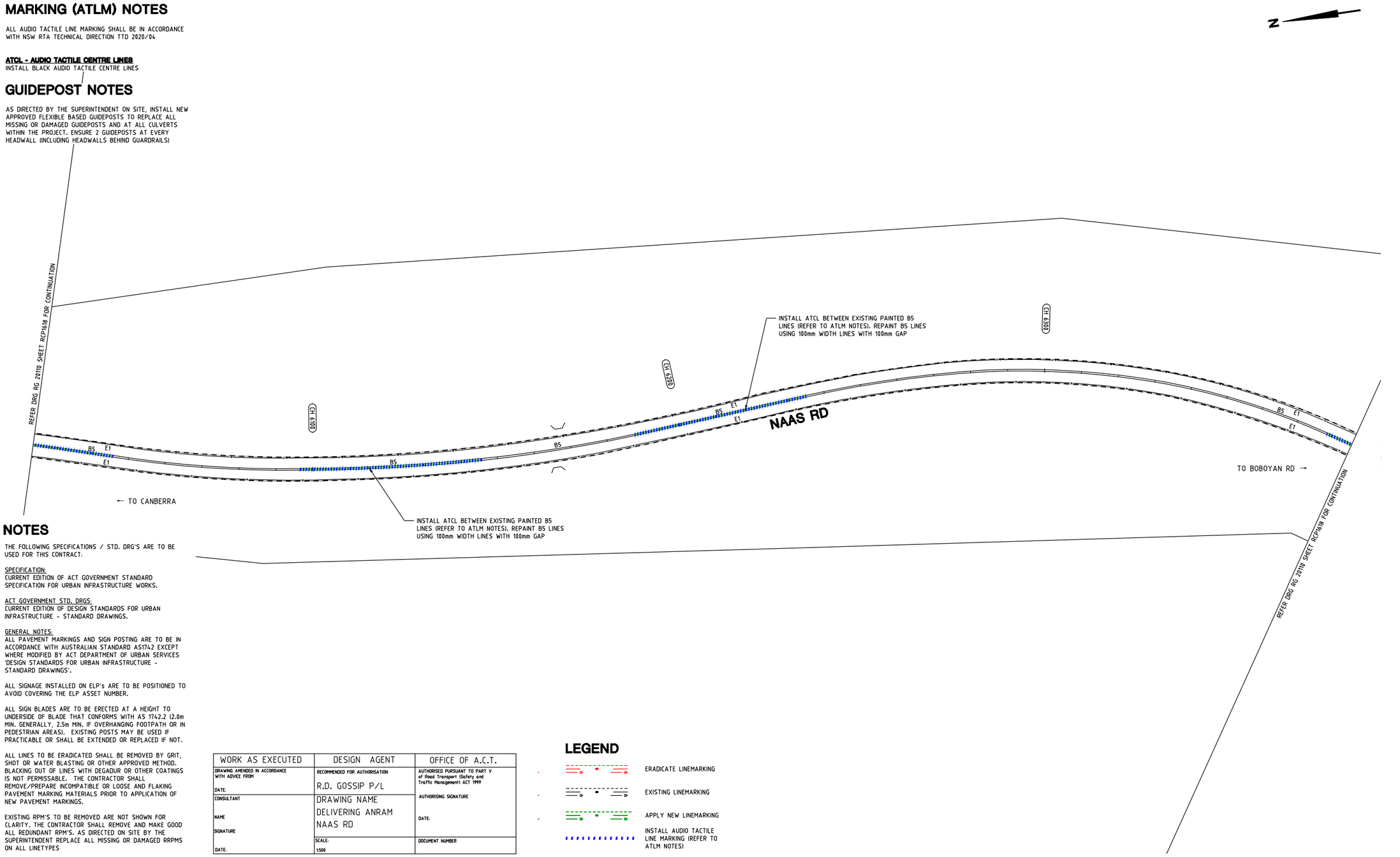
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 18 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1618	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

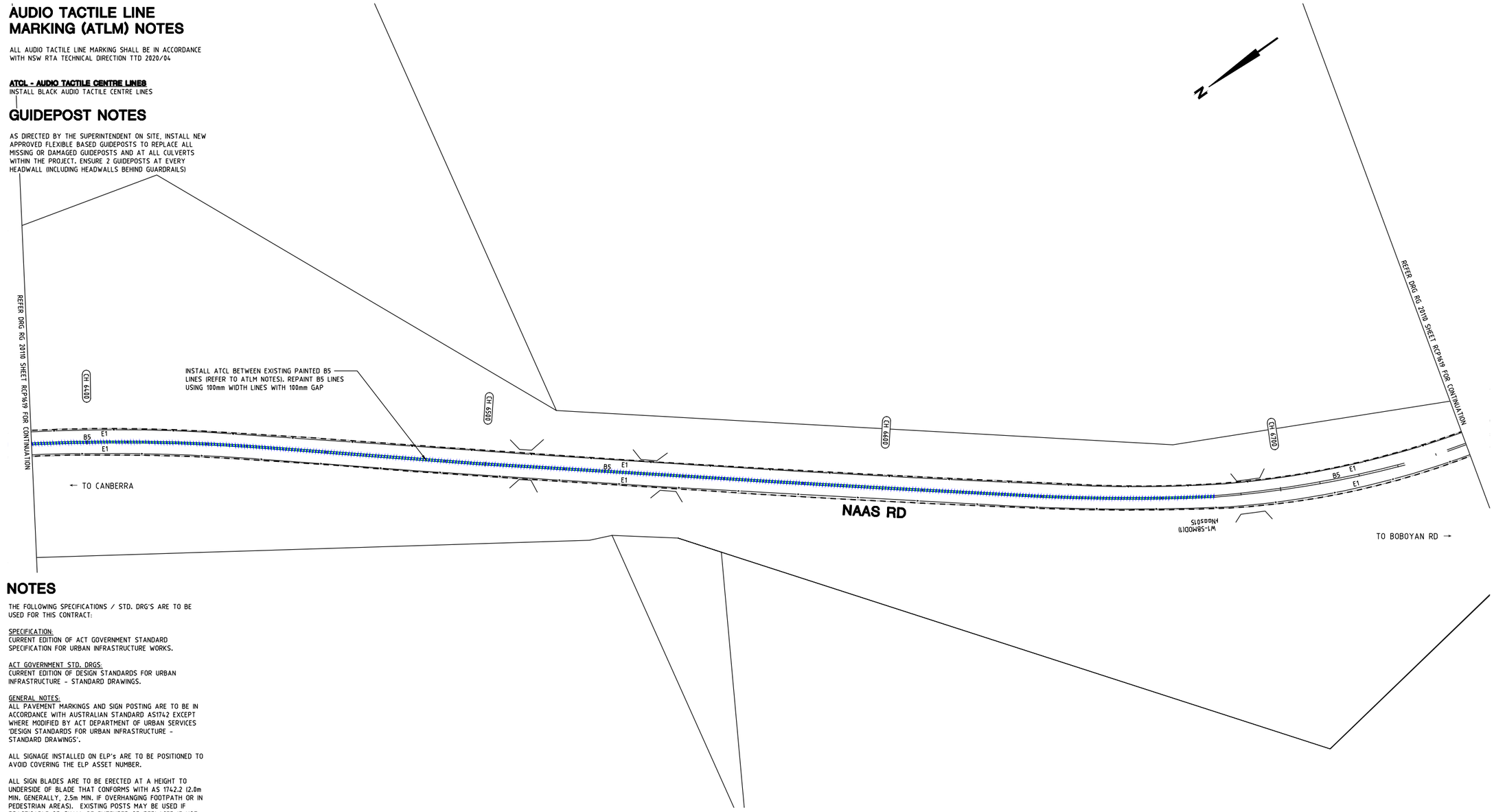
AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
DATE:	SCALE: 1:500	DOCUMENT NUMBER

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 128, 12 Provan Street Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Drawing Title
NAAS ROAD - SITE 16 TRAFFIC CONTROL DEVICE PLAN - 19 OF 32

Date 24/09/21
Drg. No. RG 20110
Sheet RCP1619
Revision 0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

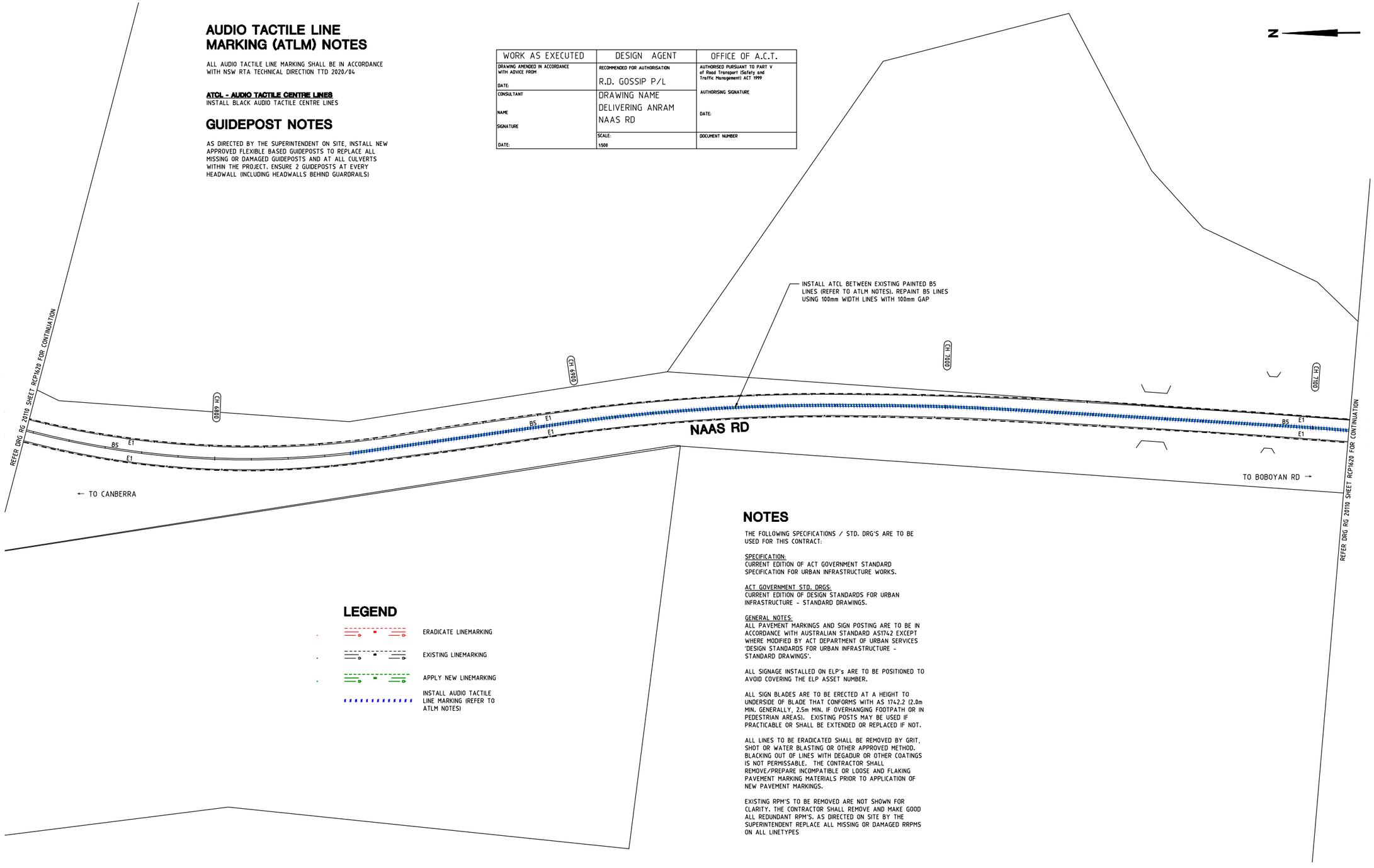
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

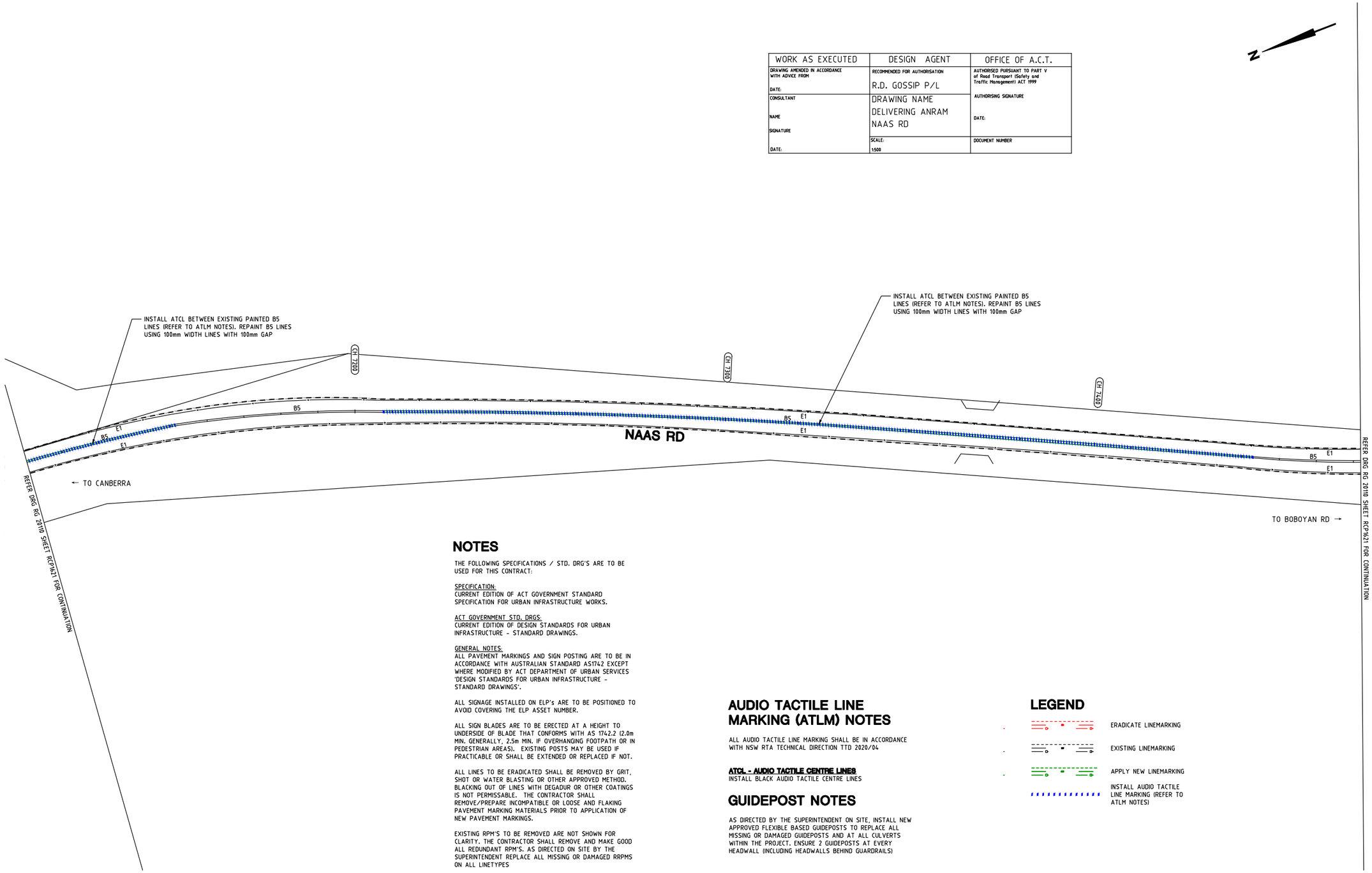
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 20 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1620	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	DATE: DOCUMENT NUMBER
	SCALE: 1:500	



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 21 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1621	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

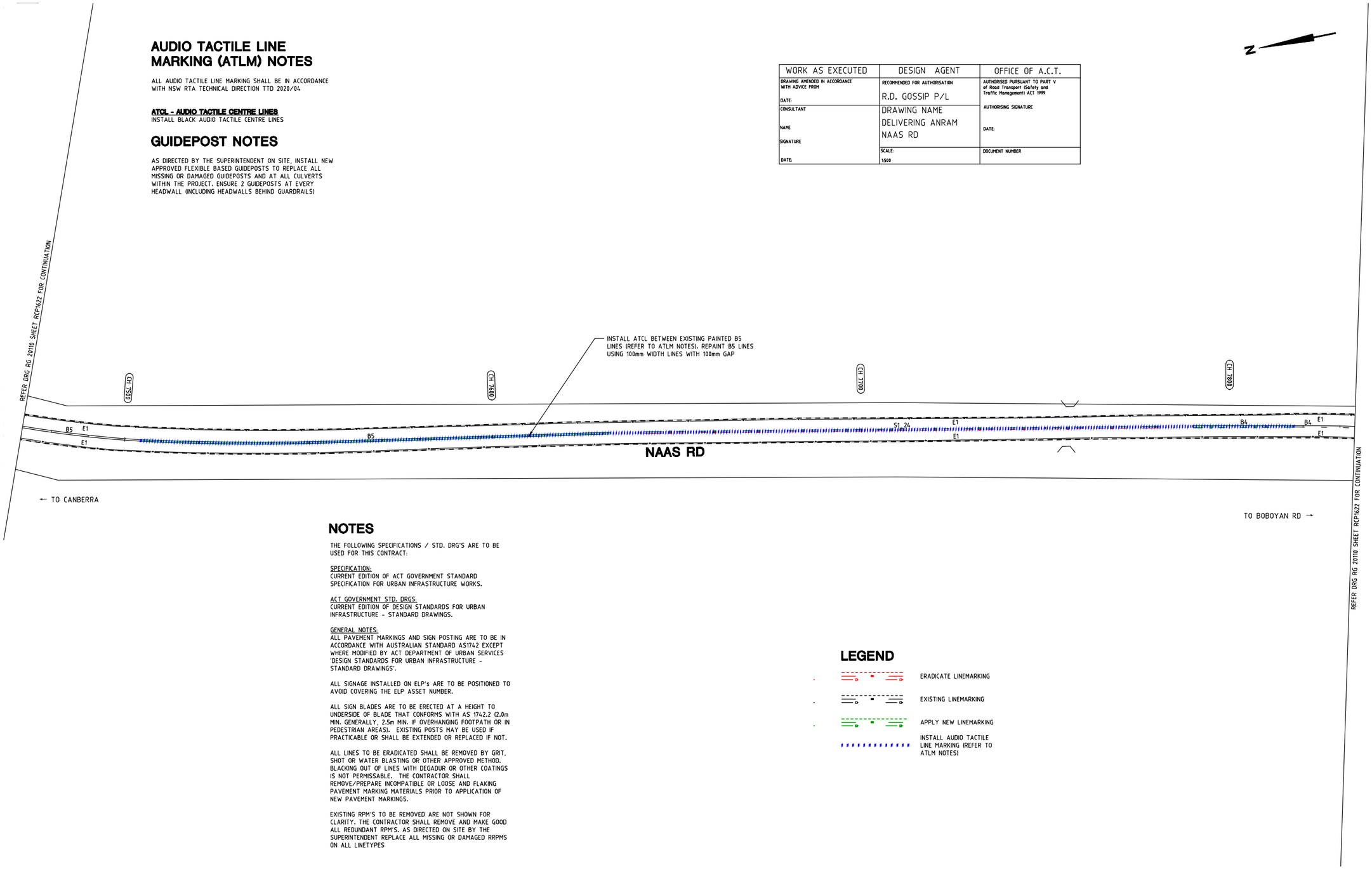
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

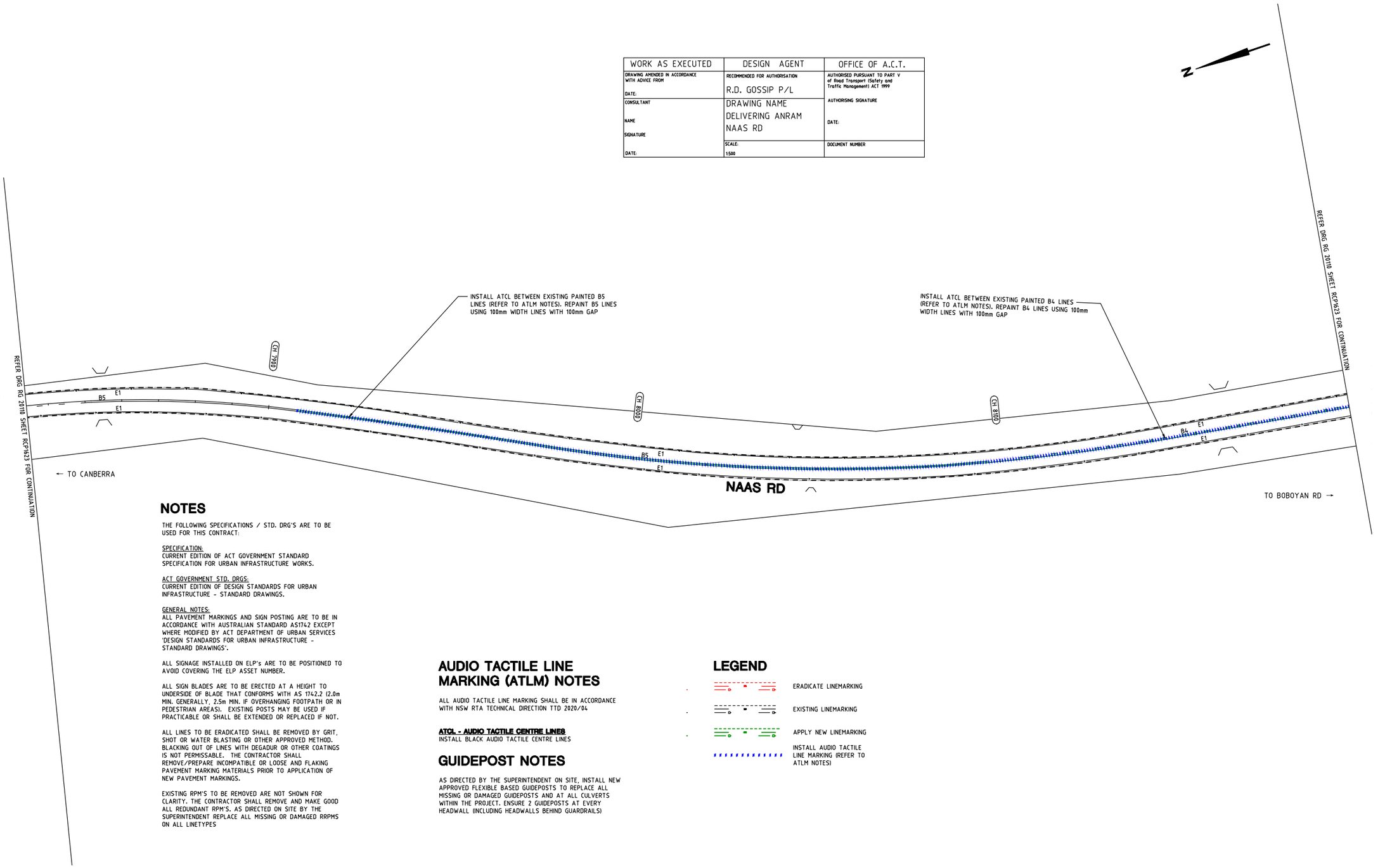
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 22 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1622	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

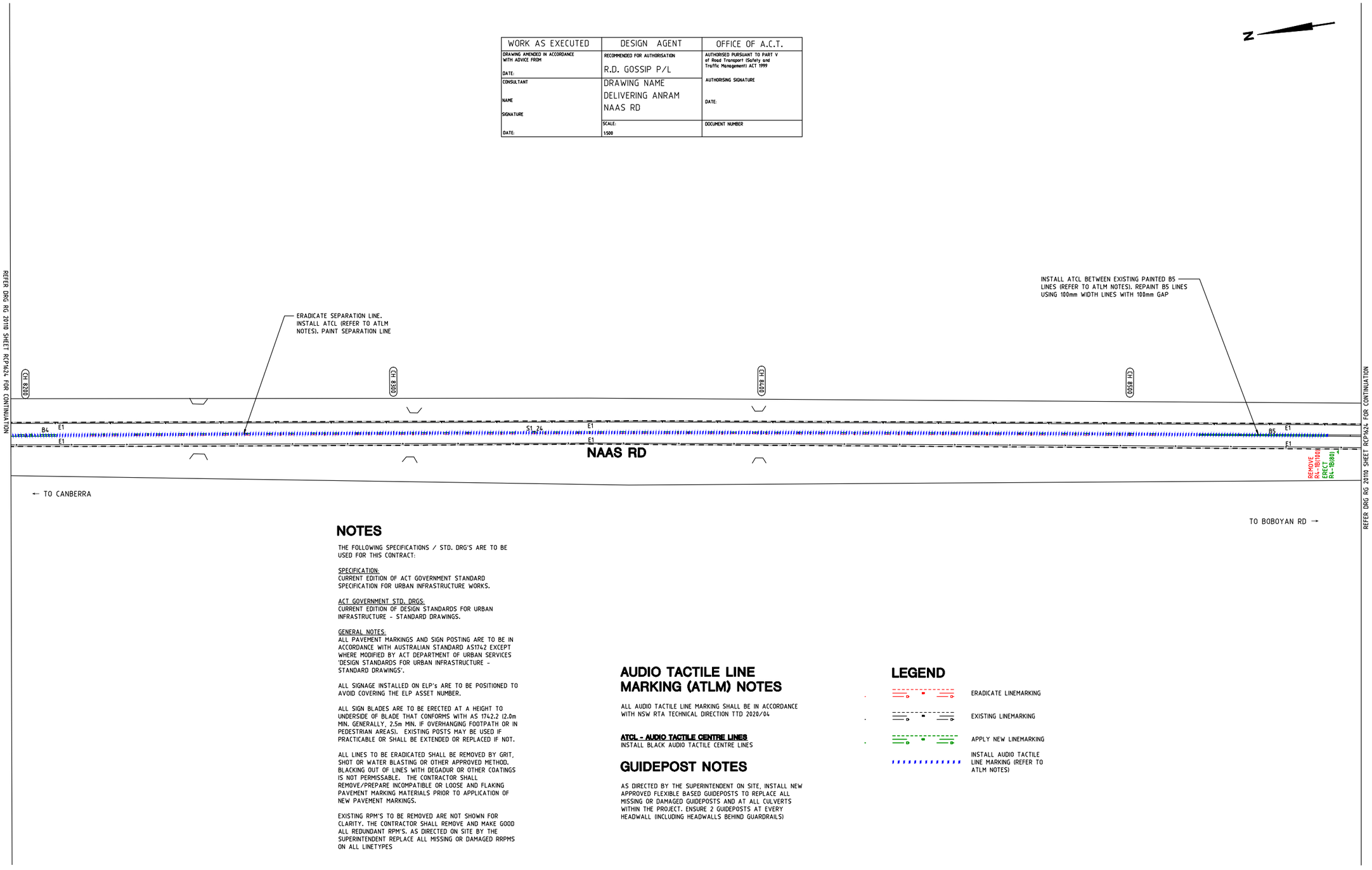
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 23 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1623	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED LIMIT(80)	-	B	1
SIGNS TO BE REMOVED				
R4-1	SPEED LIMIT(100)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

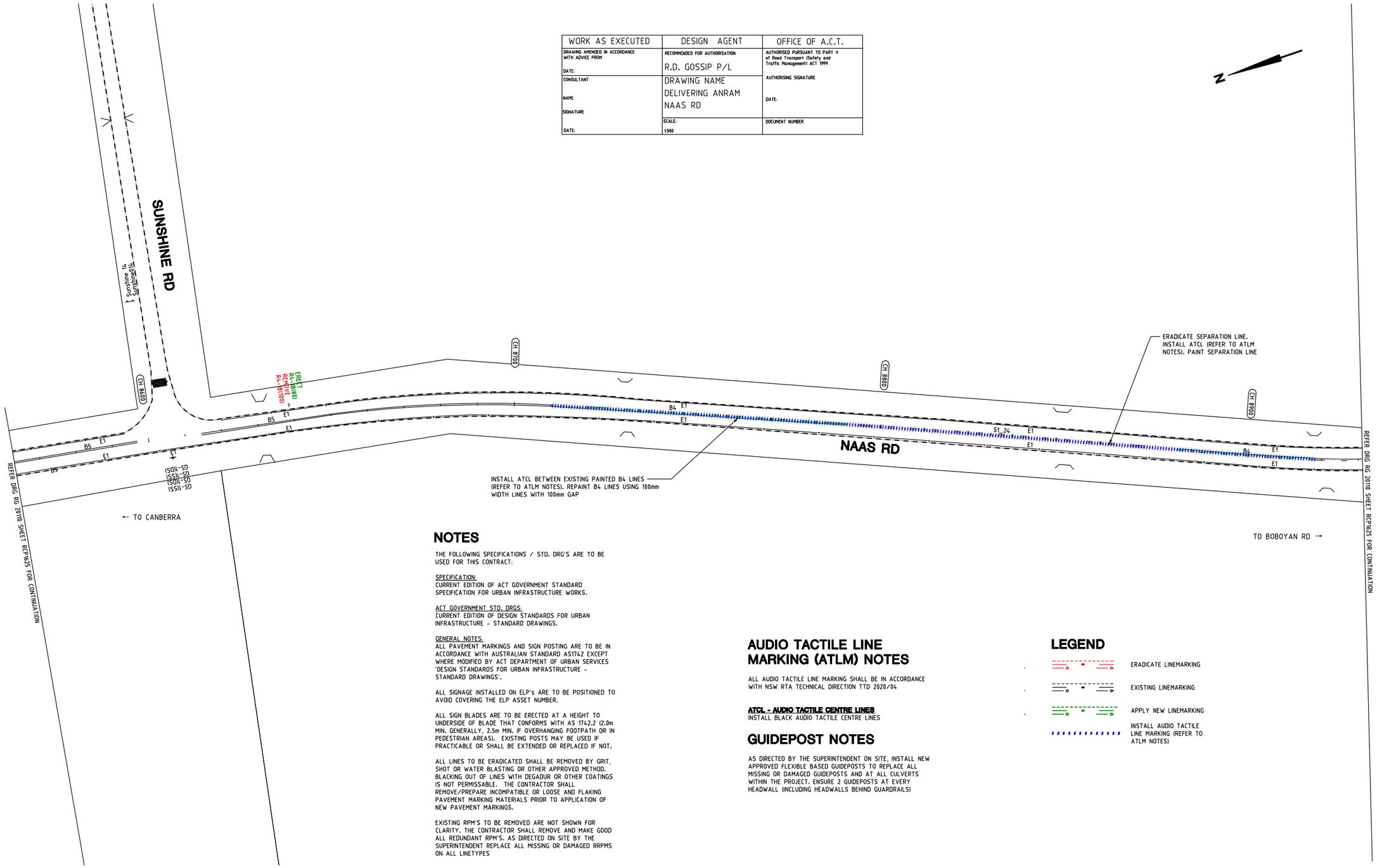
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 24 OF 32

Date	Drg. No.	Sheet	Revision
24/09/21	RG 20110	RCP1624	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.2 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED LIMIT(80)	-	B	1
SIGNS TO BE REMOVED				
R4-1	SPEED LIMIT(100)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

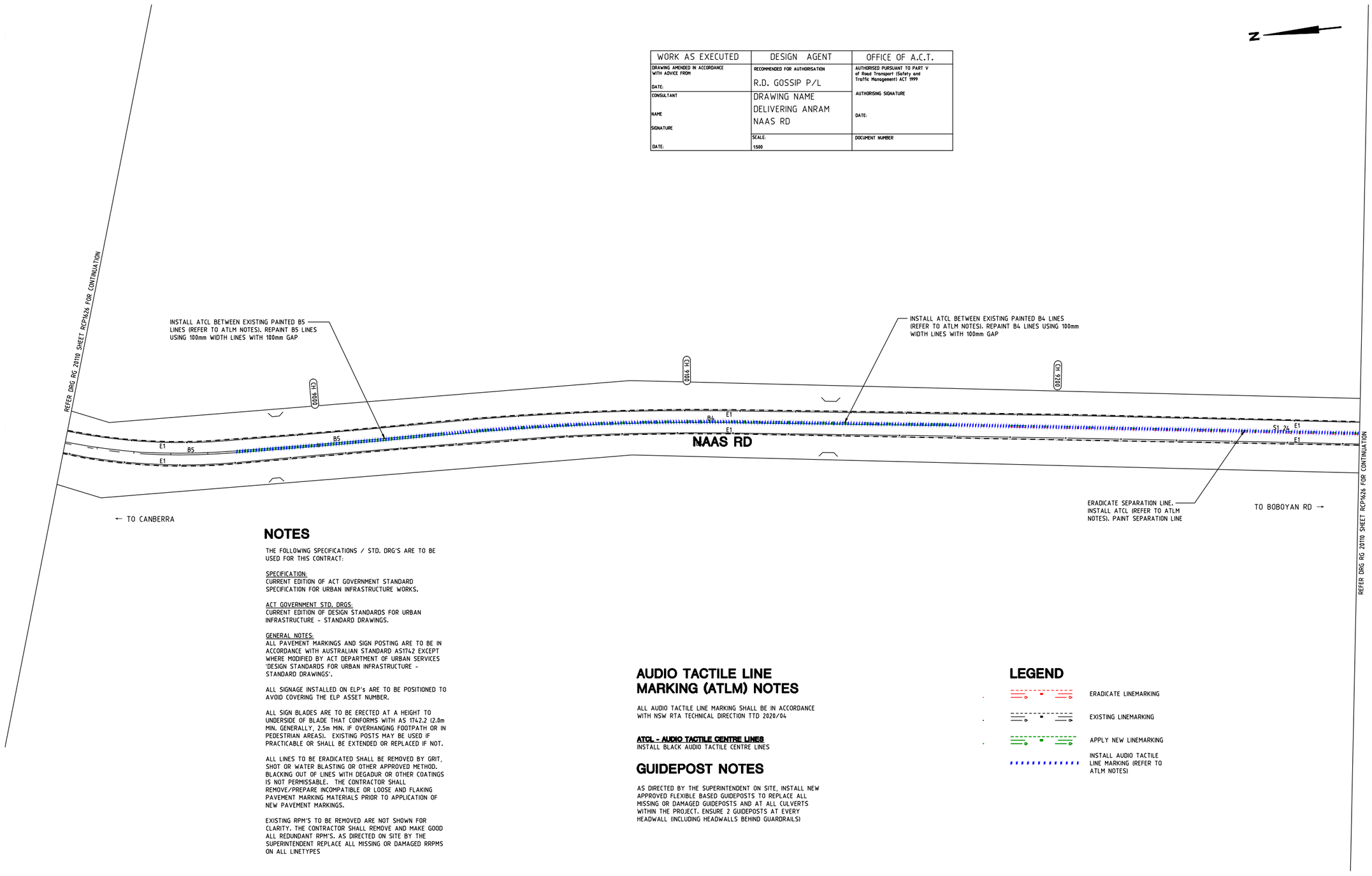
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 25 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1625	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	DATE: DOCUMENT NUMBER
	SCALE: 1:500	



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

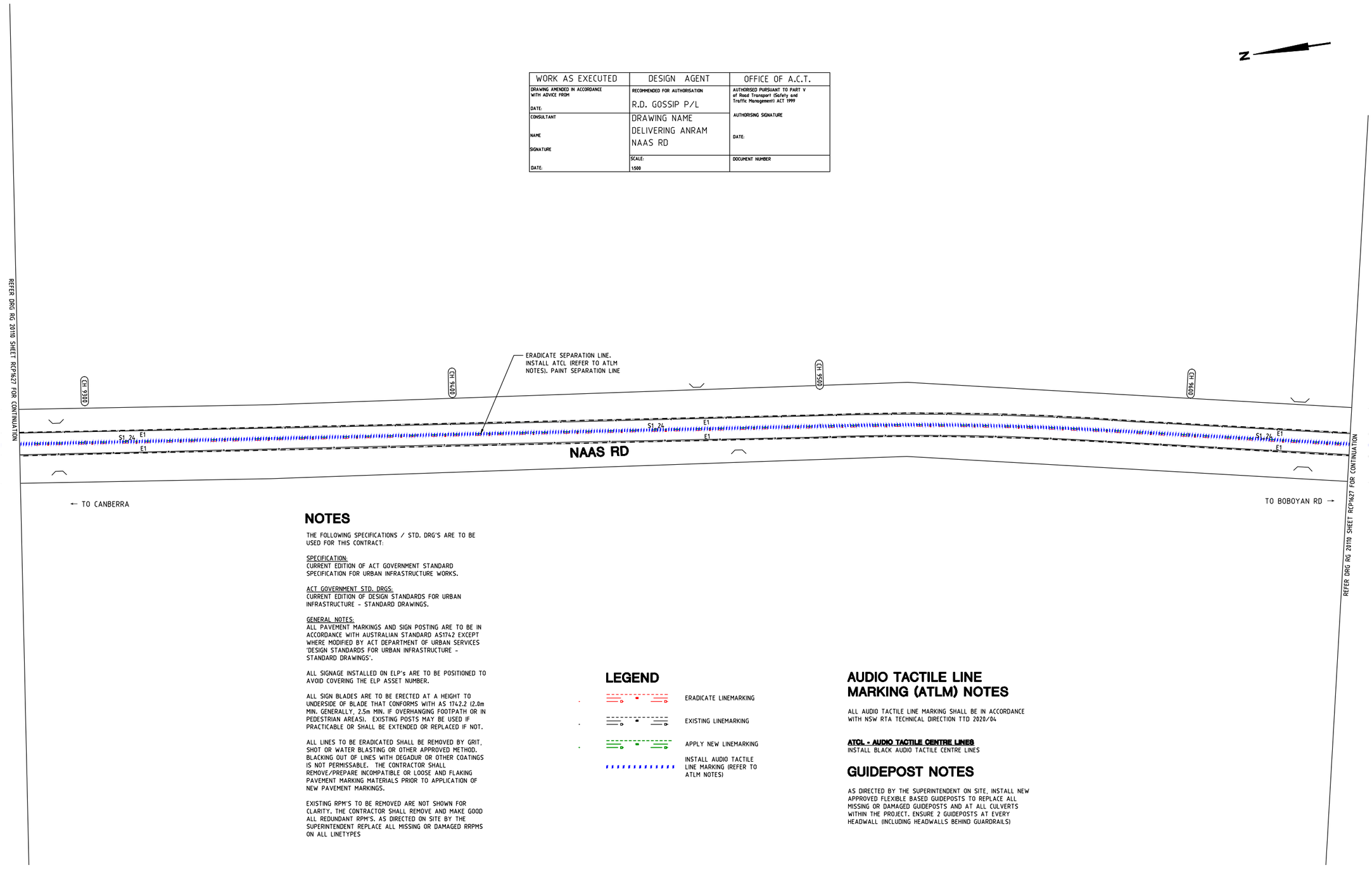
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 26 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1626	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

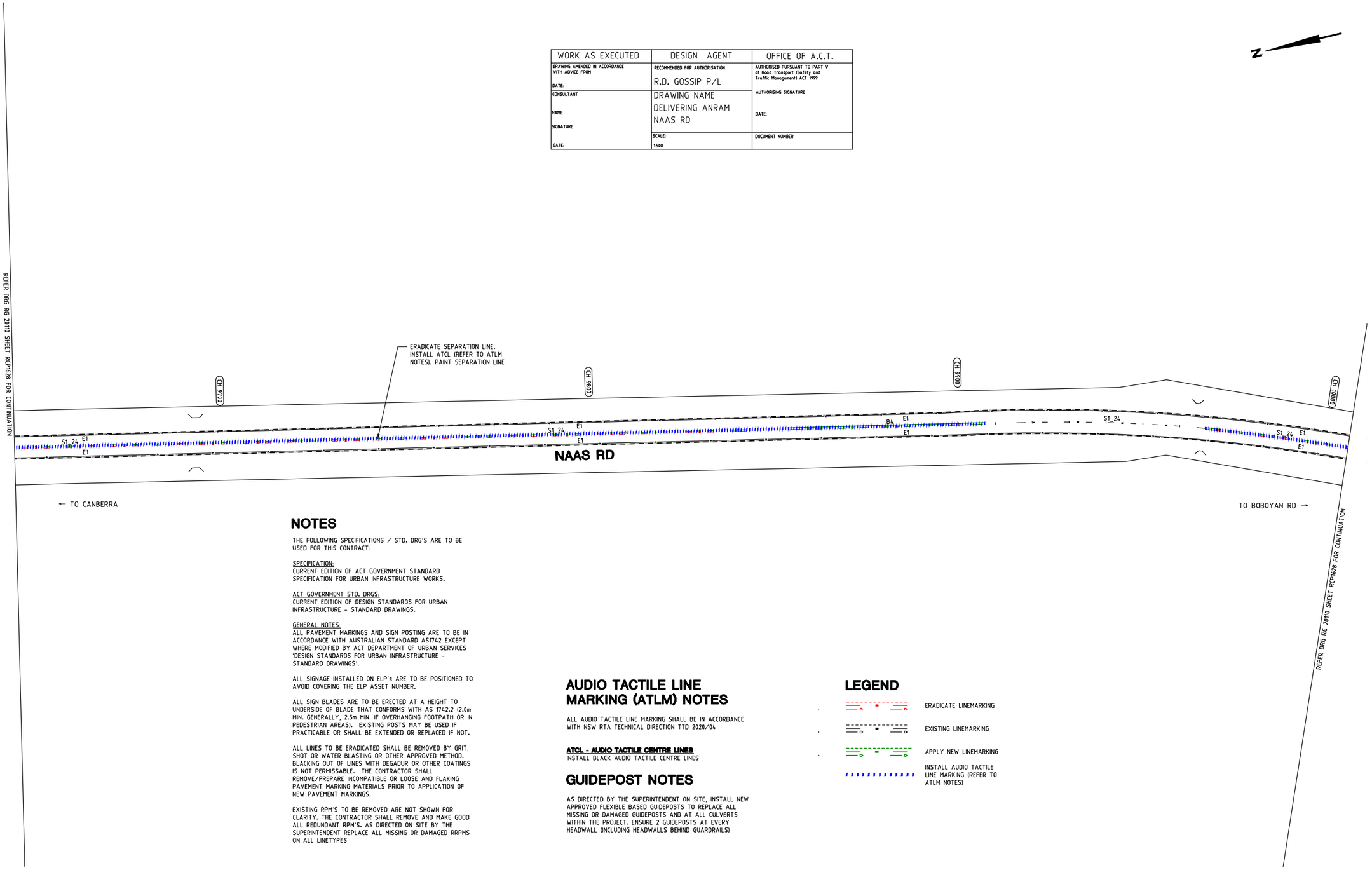
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN - 27 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1627	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

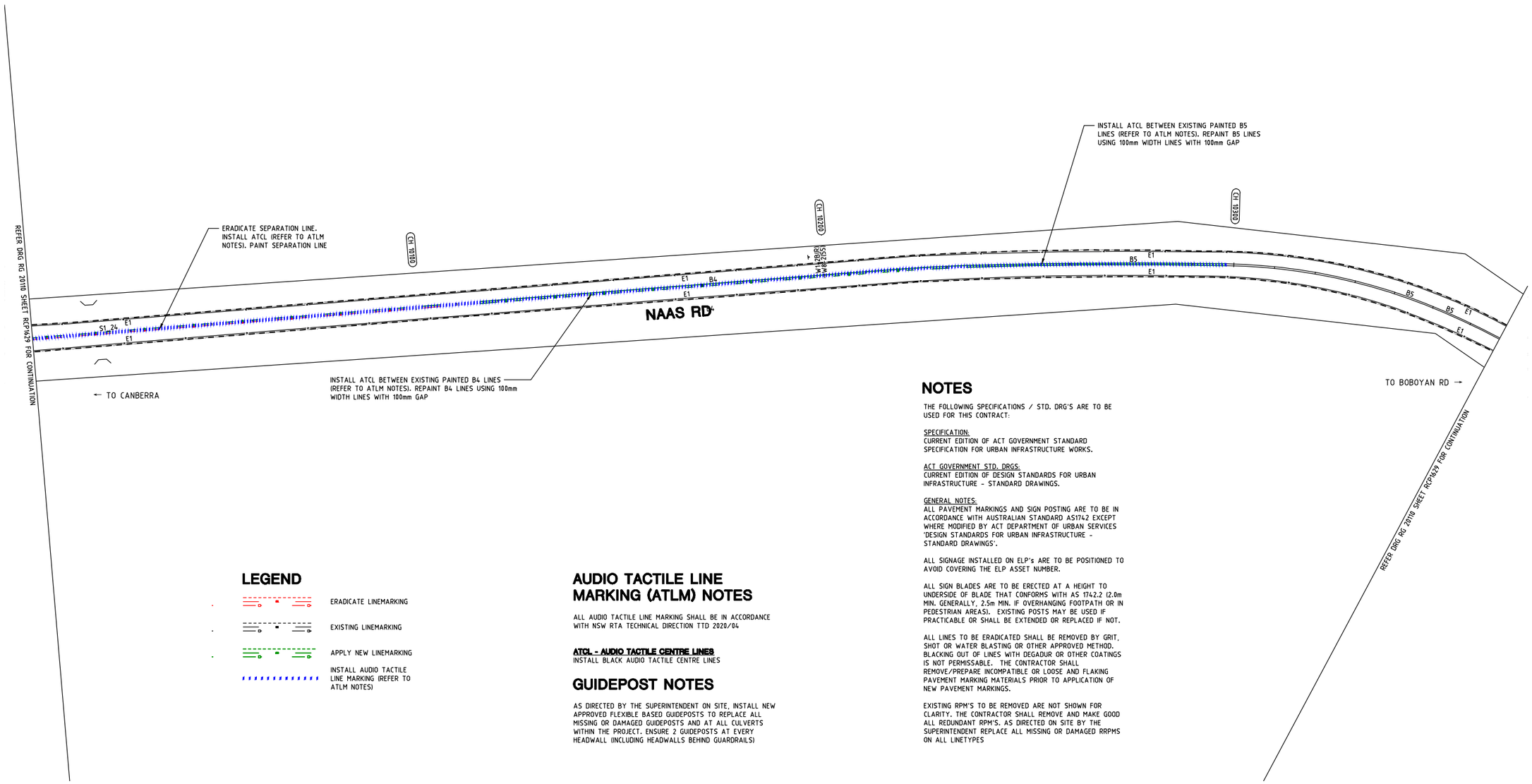
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN - 28 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1628	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

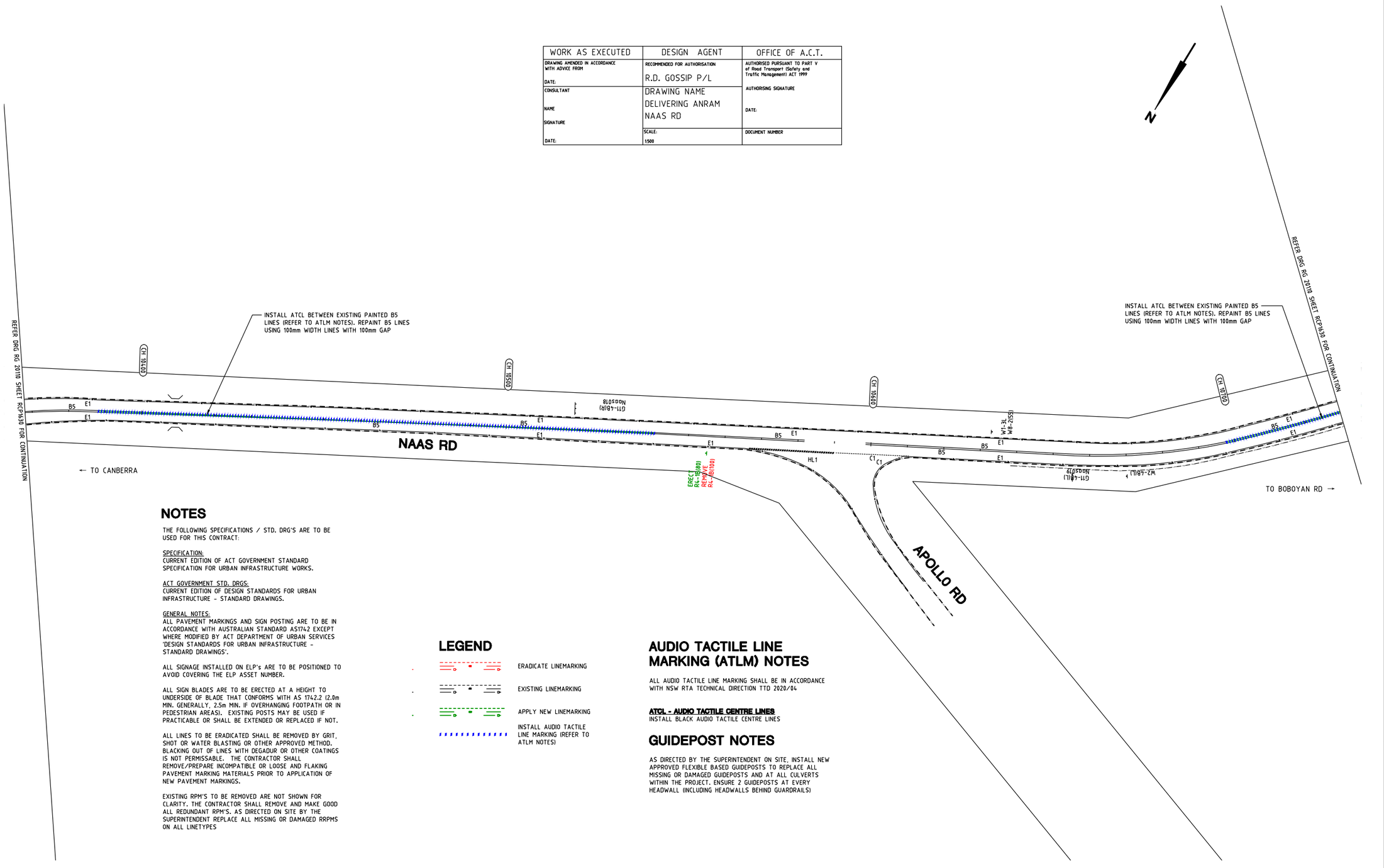
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 29 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1629	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1	SPEED LIMIT(80)	-	B	1
SIGNS TO BE REMOVED				
R4-1	SPEED LIMIT(100)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

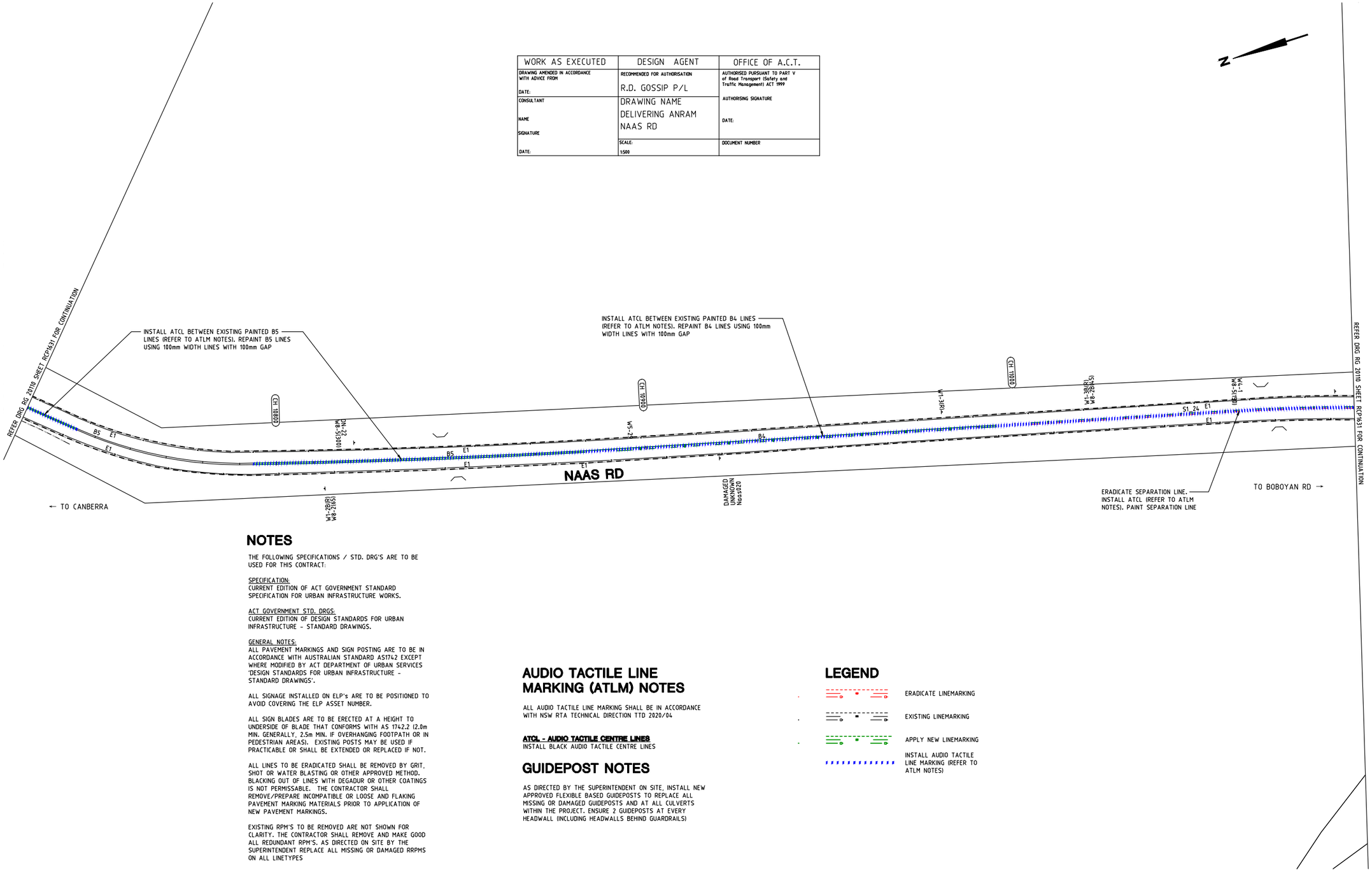
Drawing Title
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 30 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1630	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

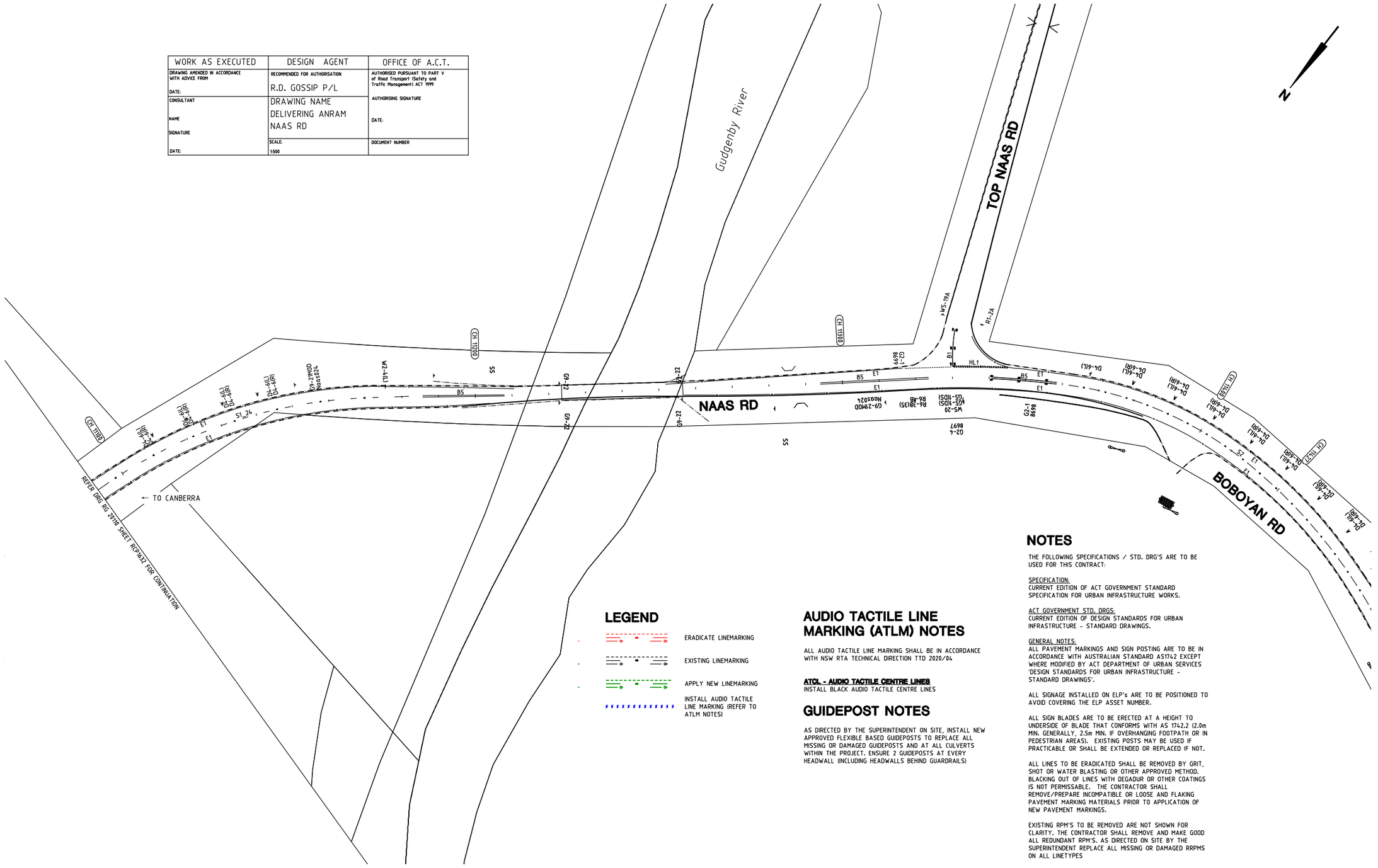
NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 31 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1631	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R16 Naas Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME DELIVERING ANRAM NAAS RD	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

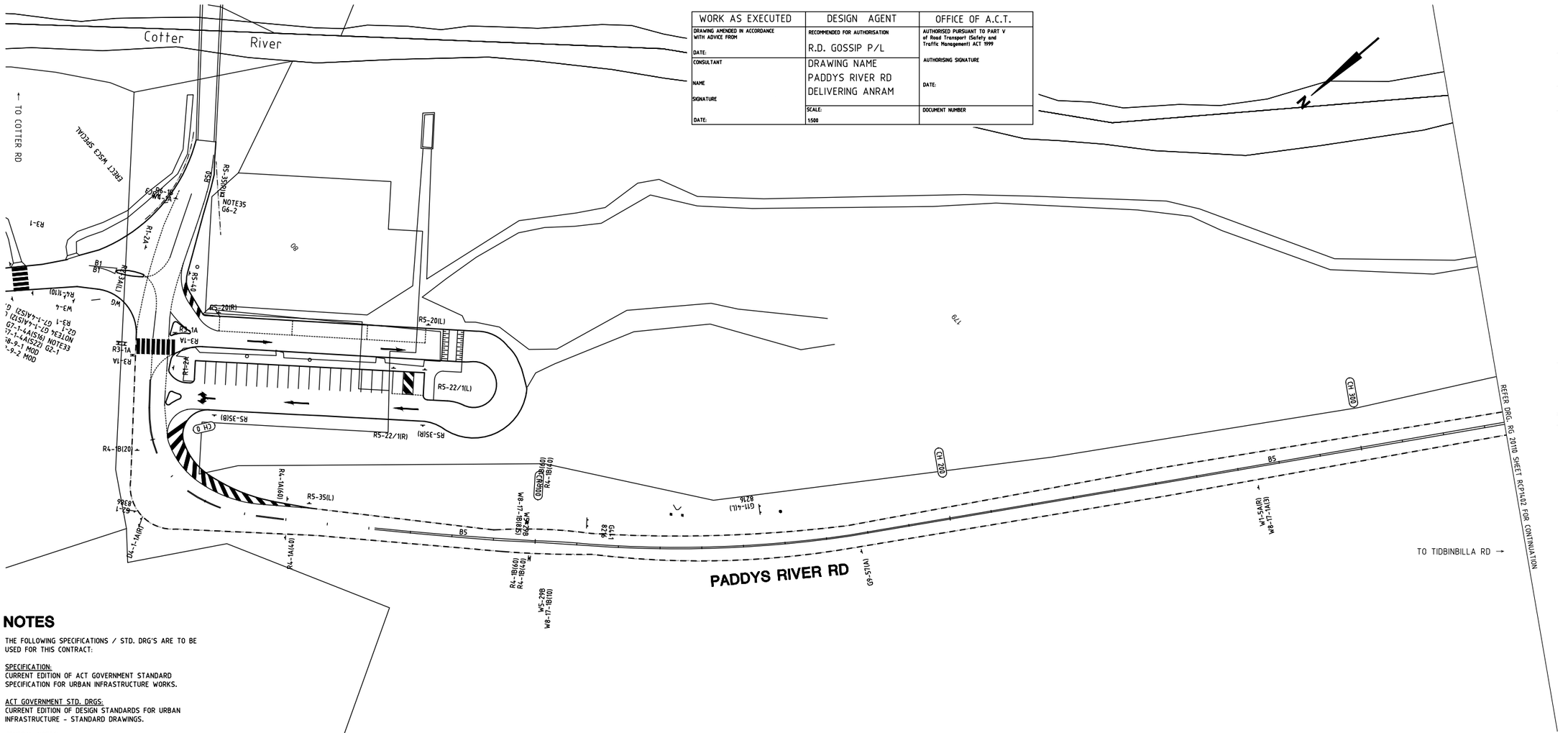
Date: 24/09/21

Drawing Title

NAAS ROAD - SITE 16
TRAFFIC CONTROL DEVICE PLAN
- 32 OF 32

Drg. No.	Sheet	Revision
RG 20110	RCP1632	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE: SCALE: 1:500 DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

ERADICATE LINEMARKING

EXISTING LINEMARKING

APPLY NEW LINEMARKING

INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 120, 12 Provan Street, Campbell ACT 2612, Ph. 02 6251 6313

Designed by | Drawn by | Checked by | Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM
Date: 24/09/21

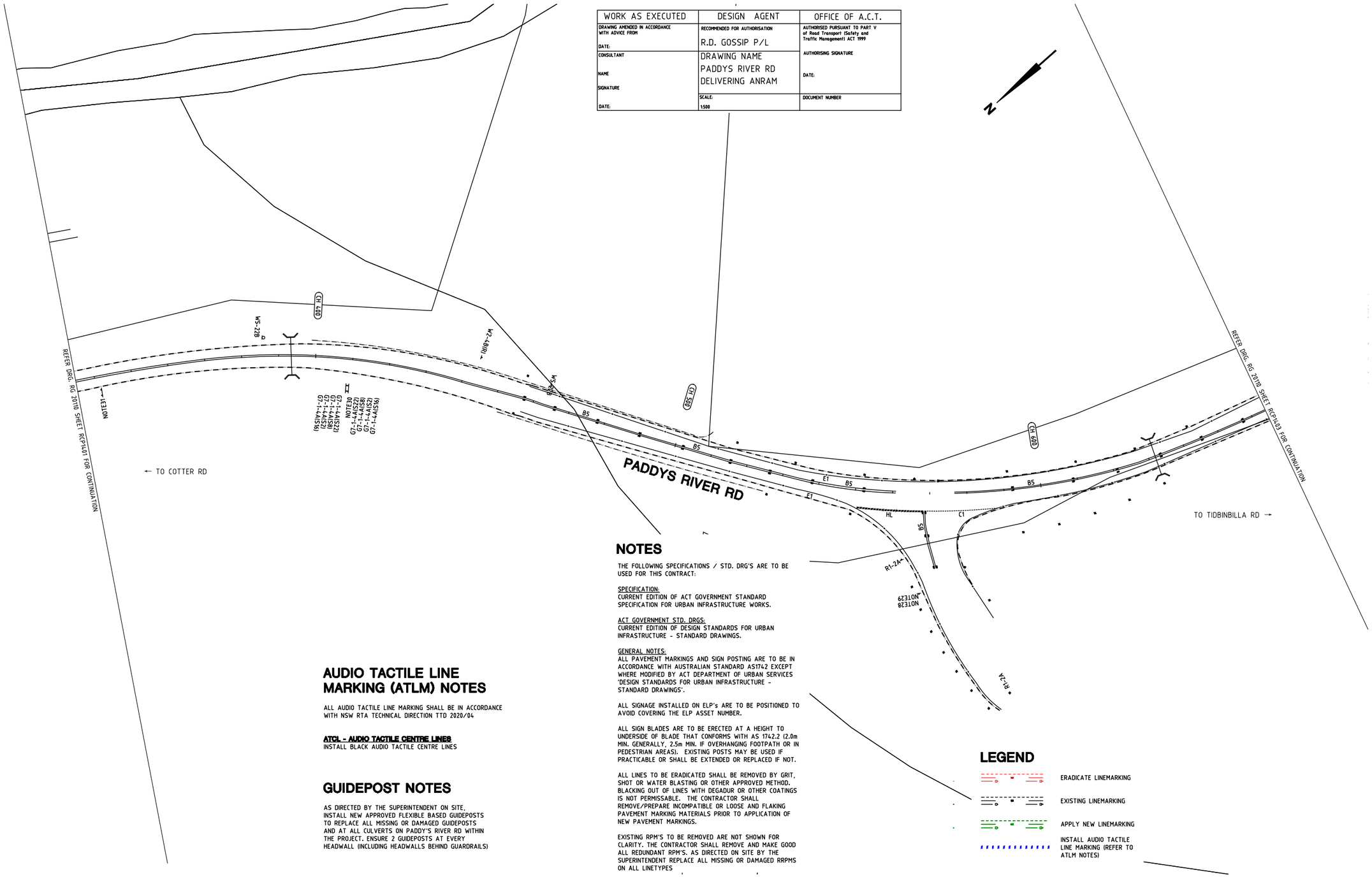
Drawing Title: PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 1 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1401	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

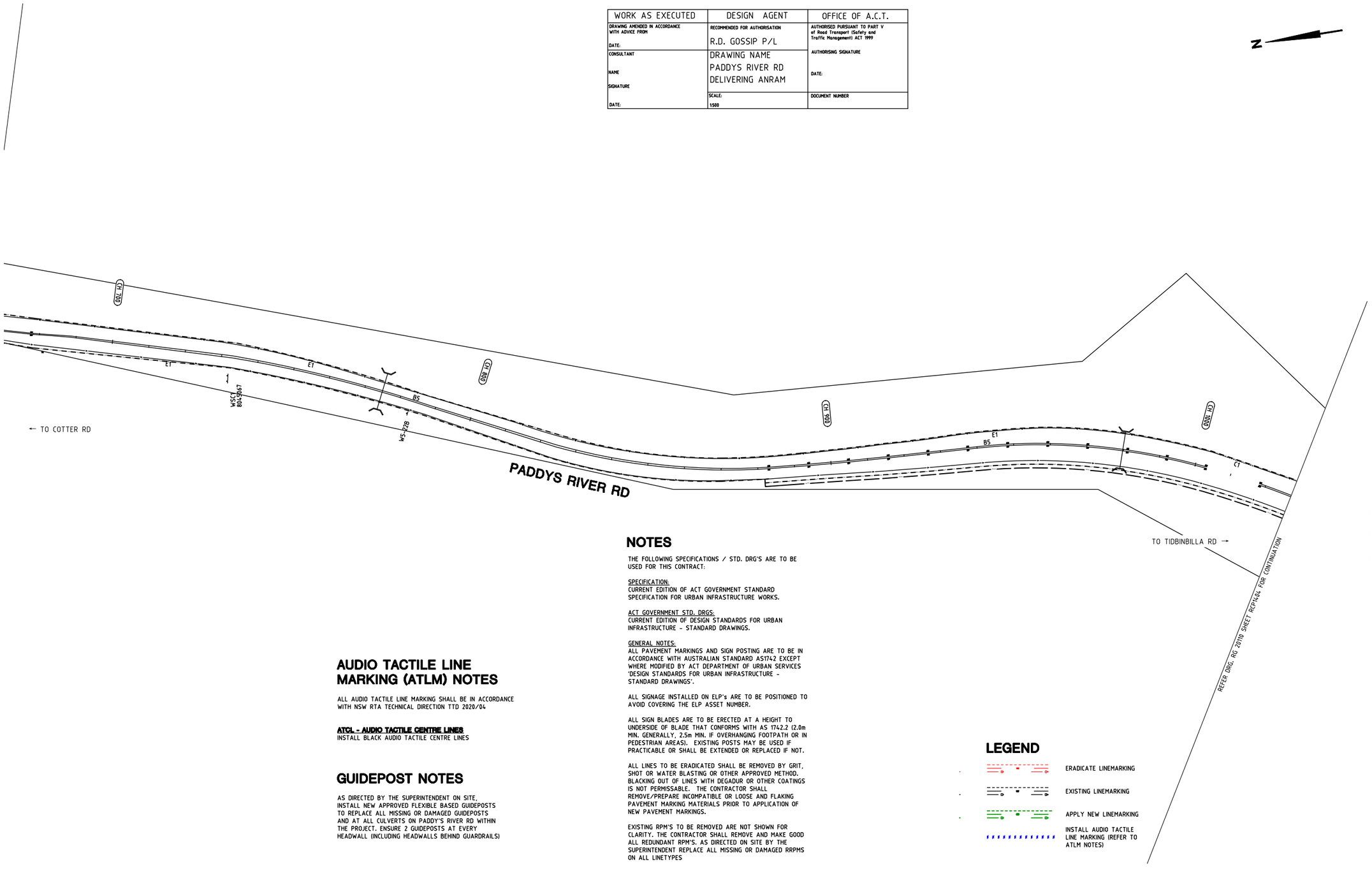
Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 2 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1402	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

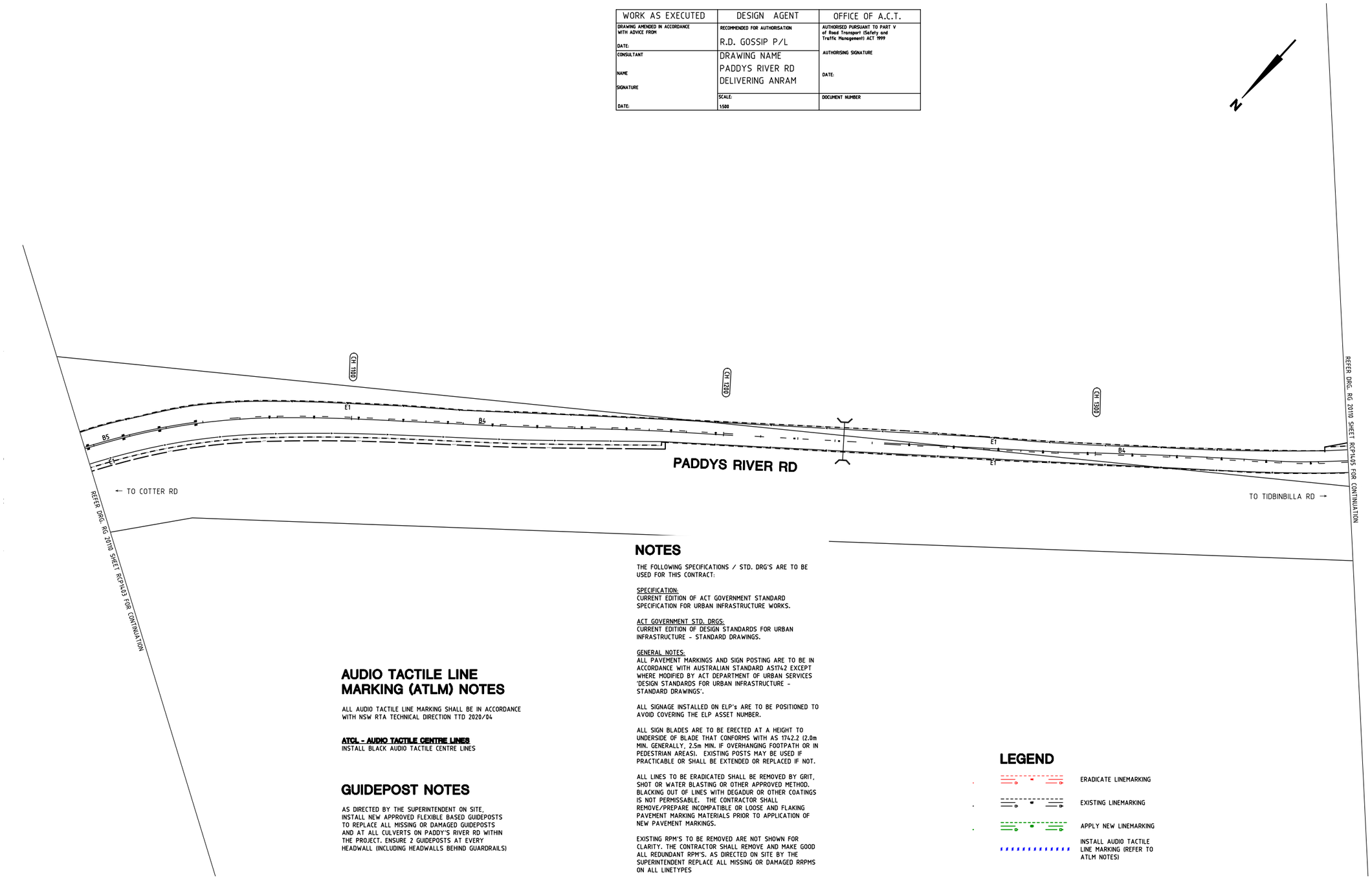
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 3 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1403	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

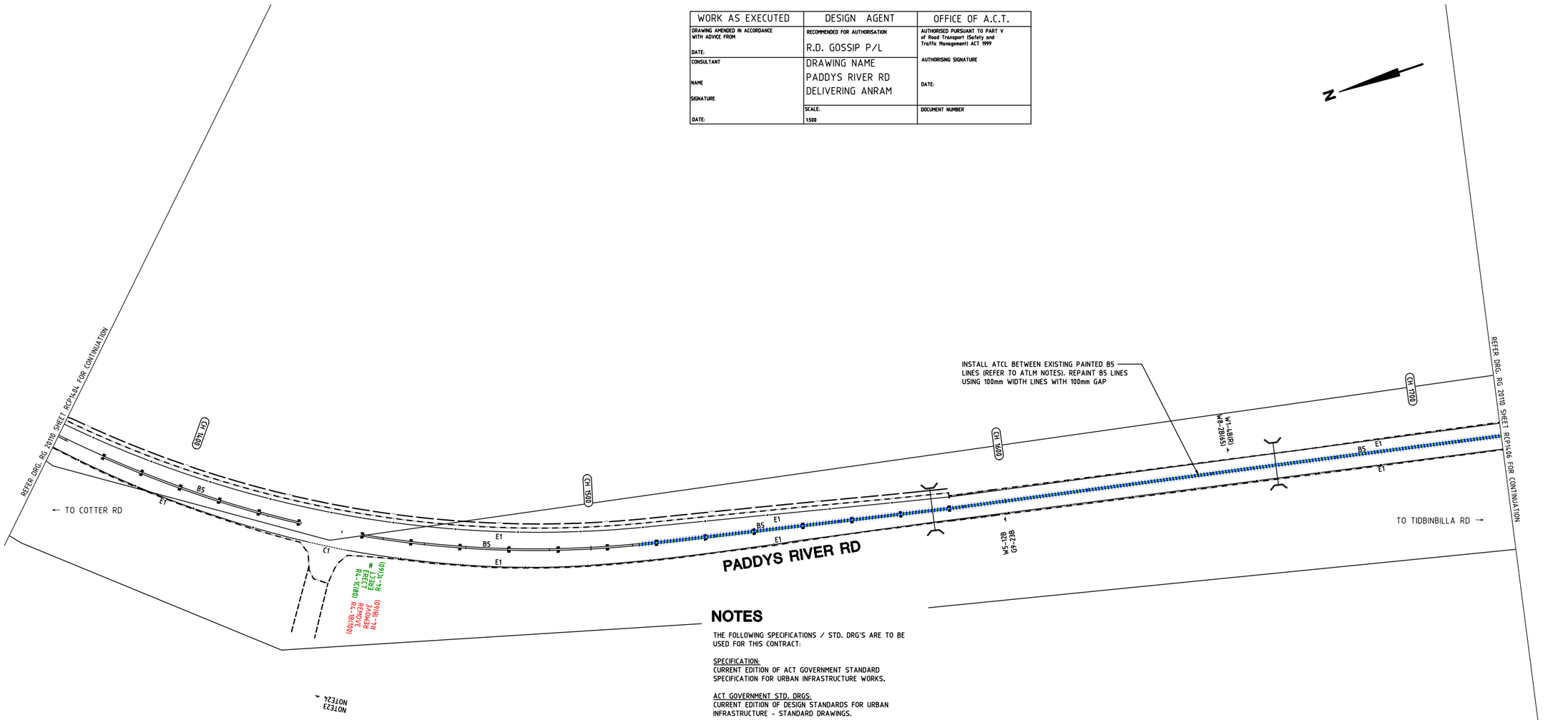
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 4 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1404	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1(60)	SPEED LIMIT (60)	-	C	1
R4-1(80)	SPEED LIMIT (80)	-	C	1
SIGNS TO BE REMOVED				
R4-1(60)	SPEED LIMIT (60)	-	B	1
R4-1(80)	SPEED LIMIT (80)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

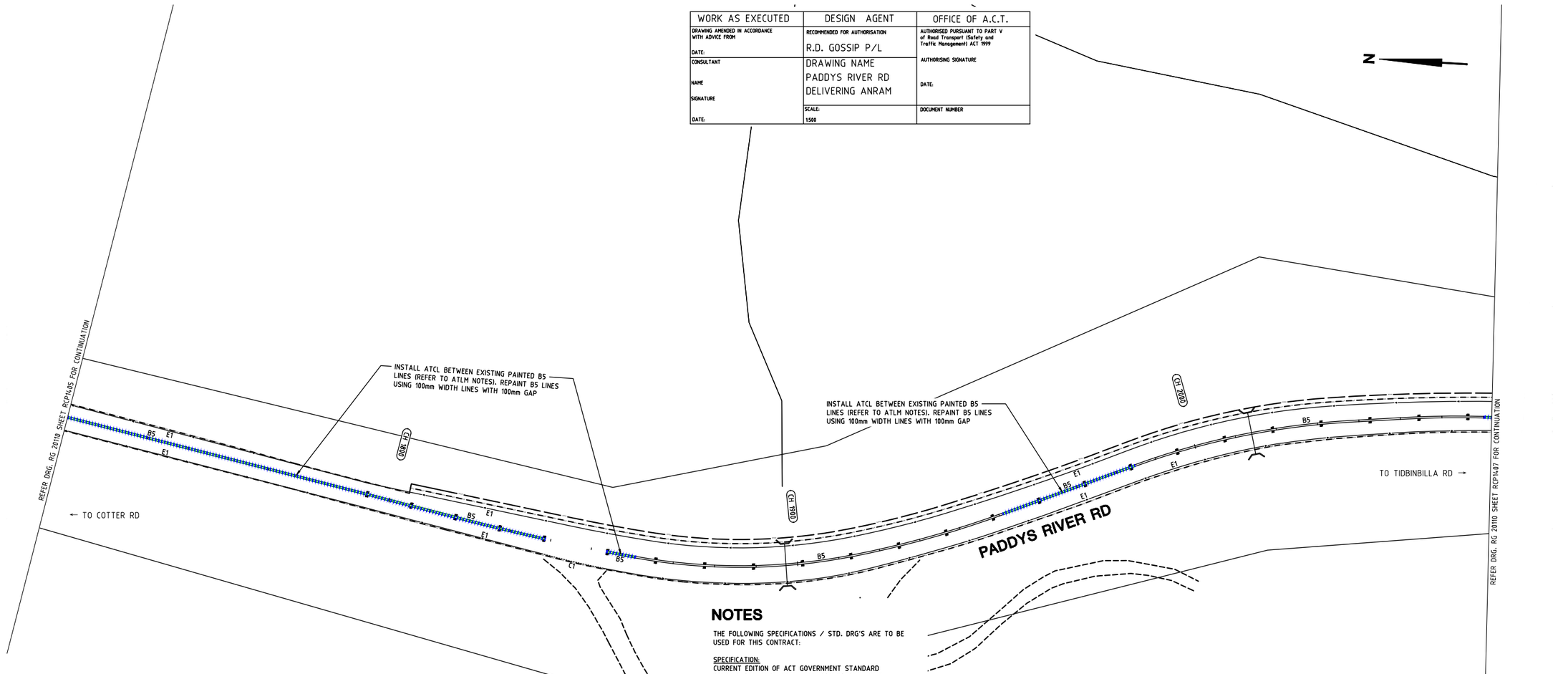
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 5 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1405	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

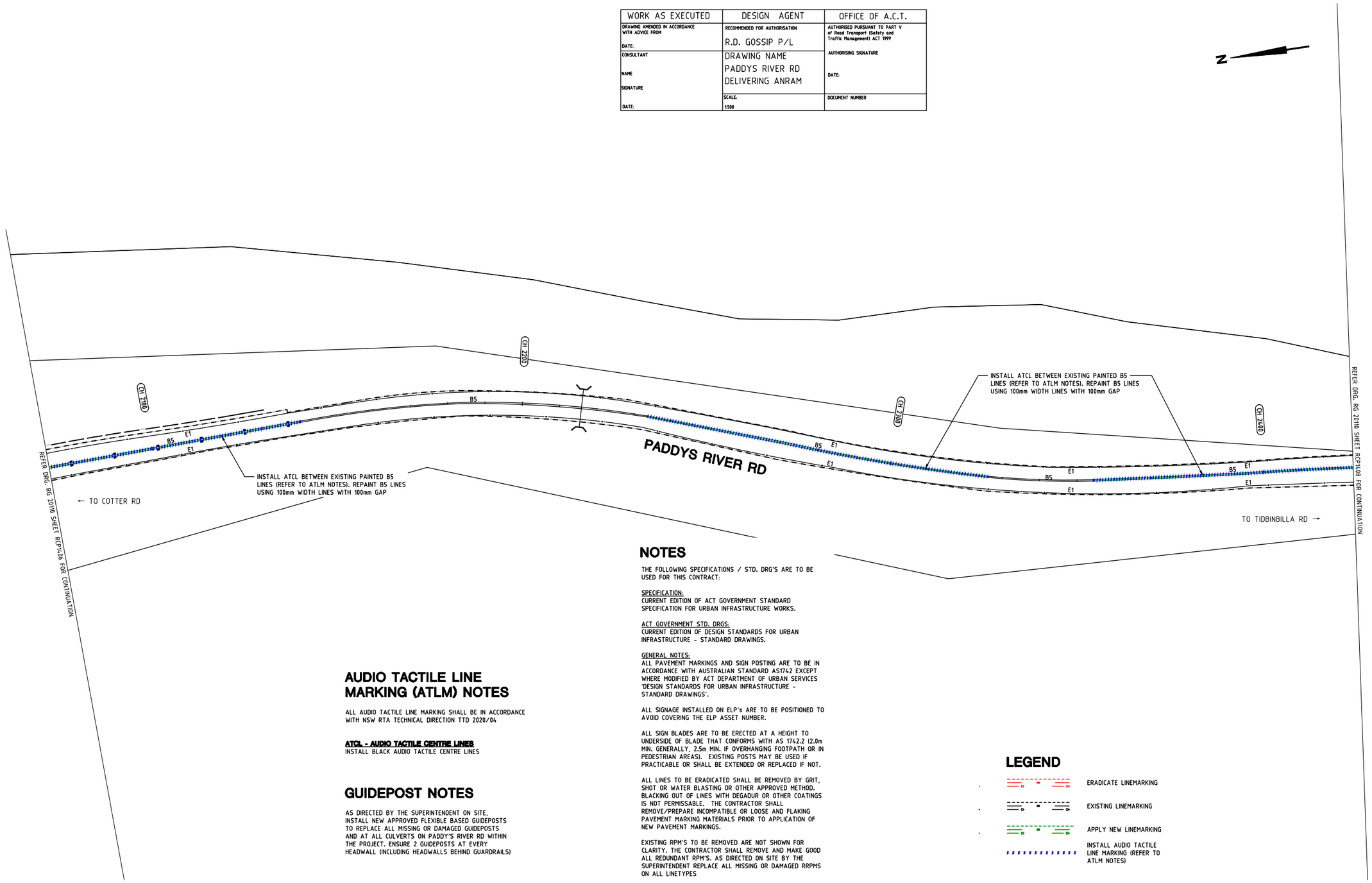
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 6 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1406	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

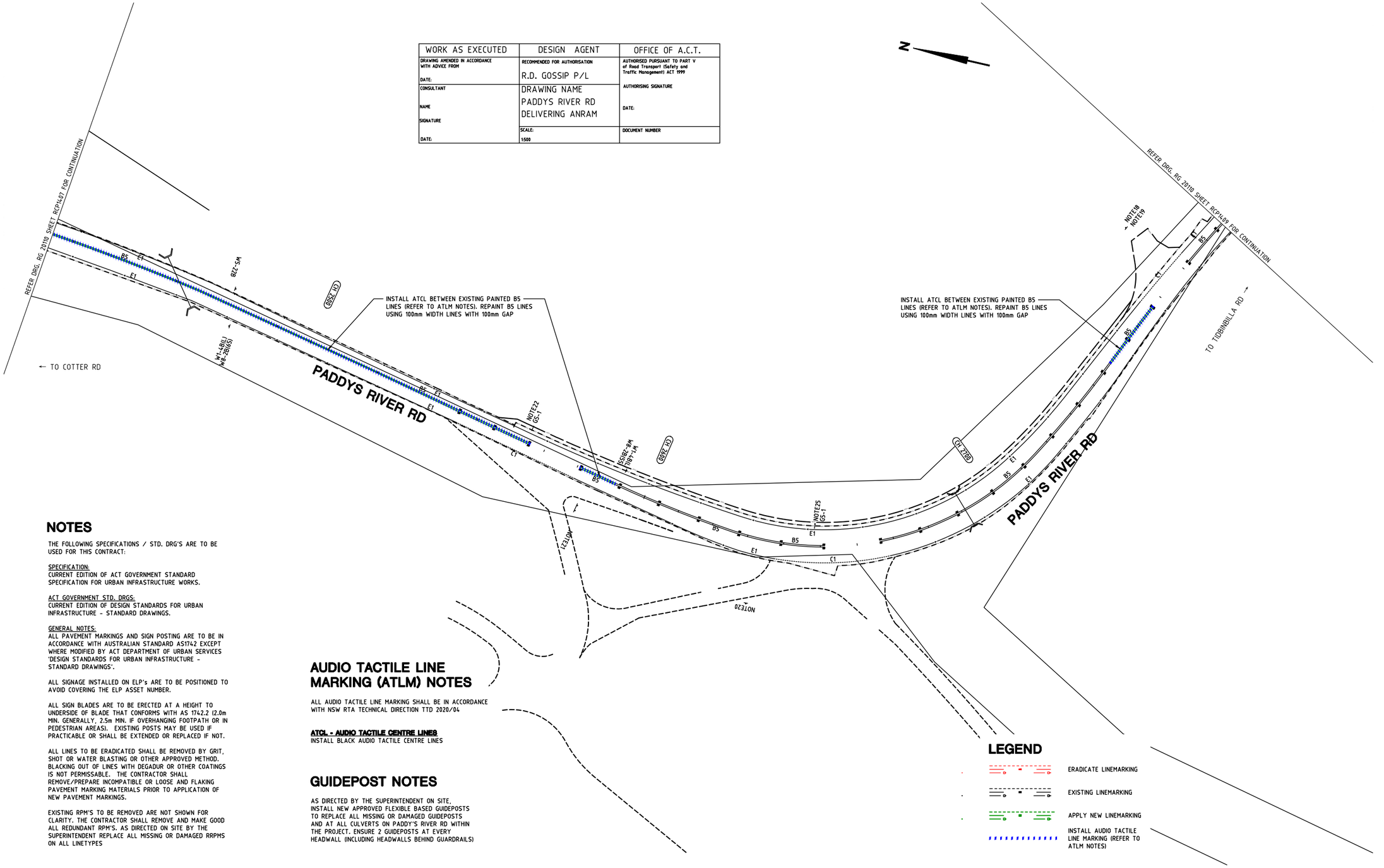
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 7 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1407	0

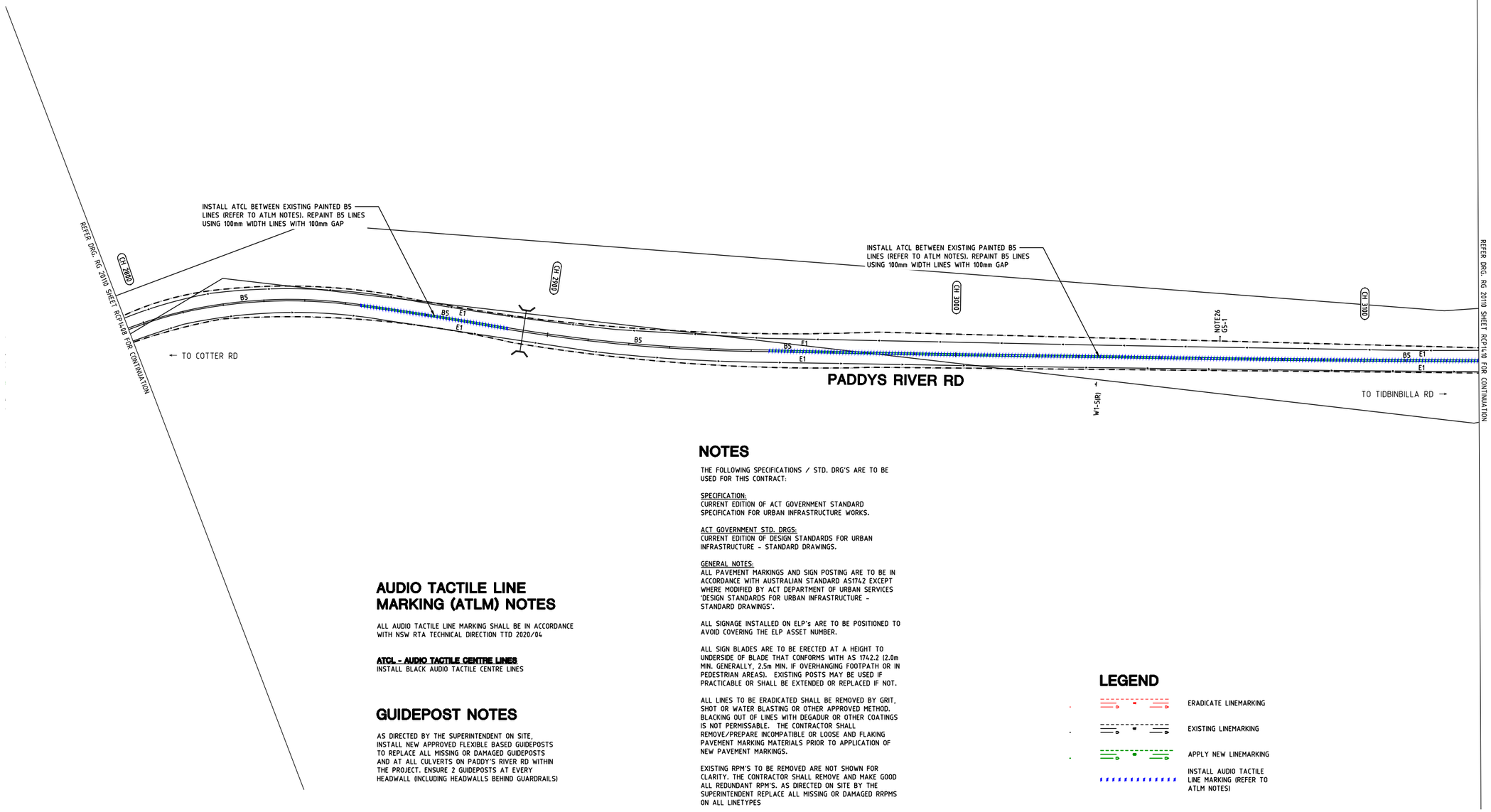
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

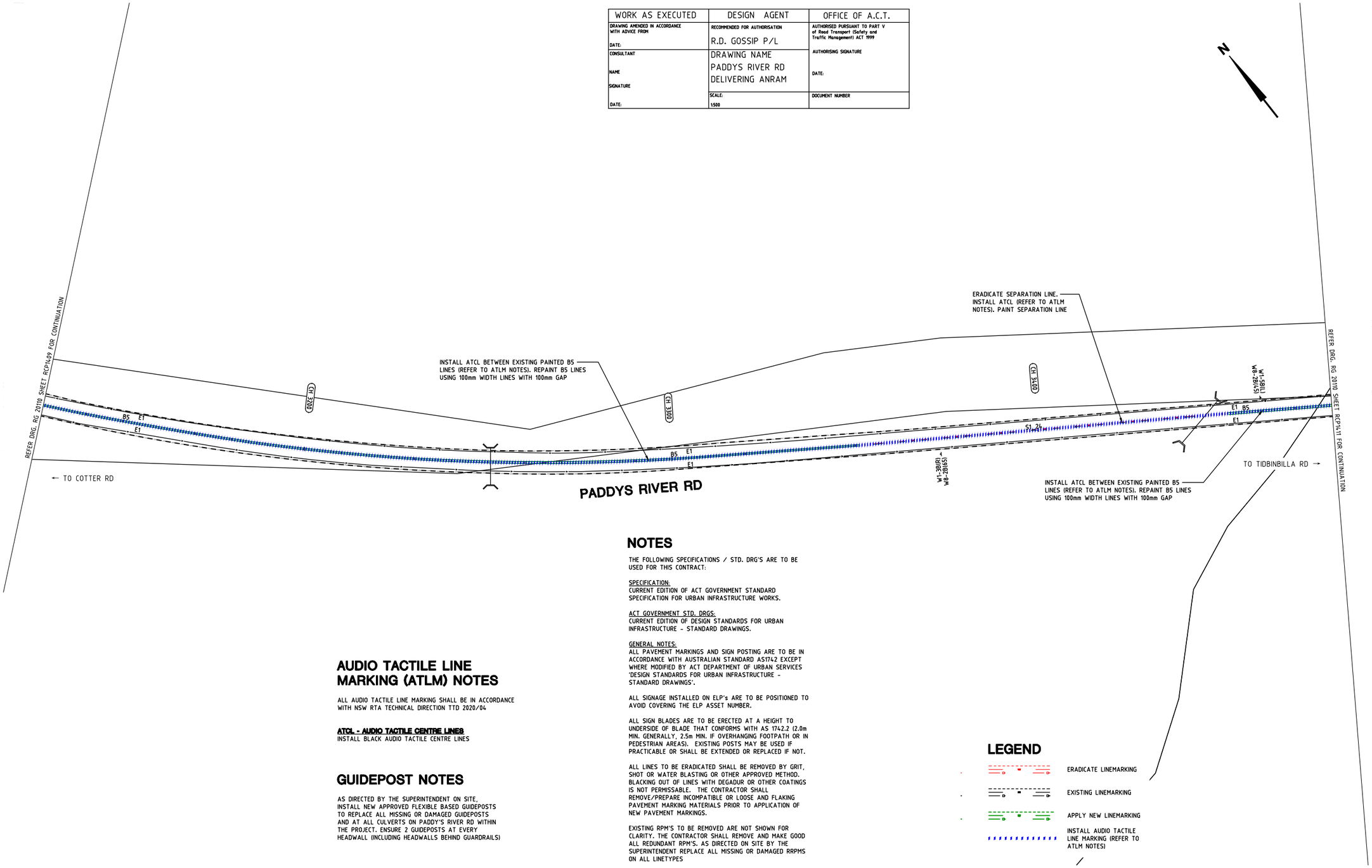
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 9 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1409	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

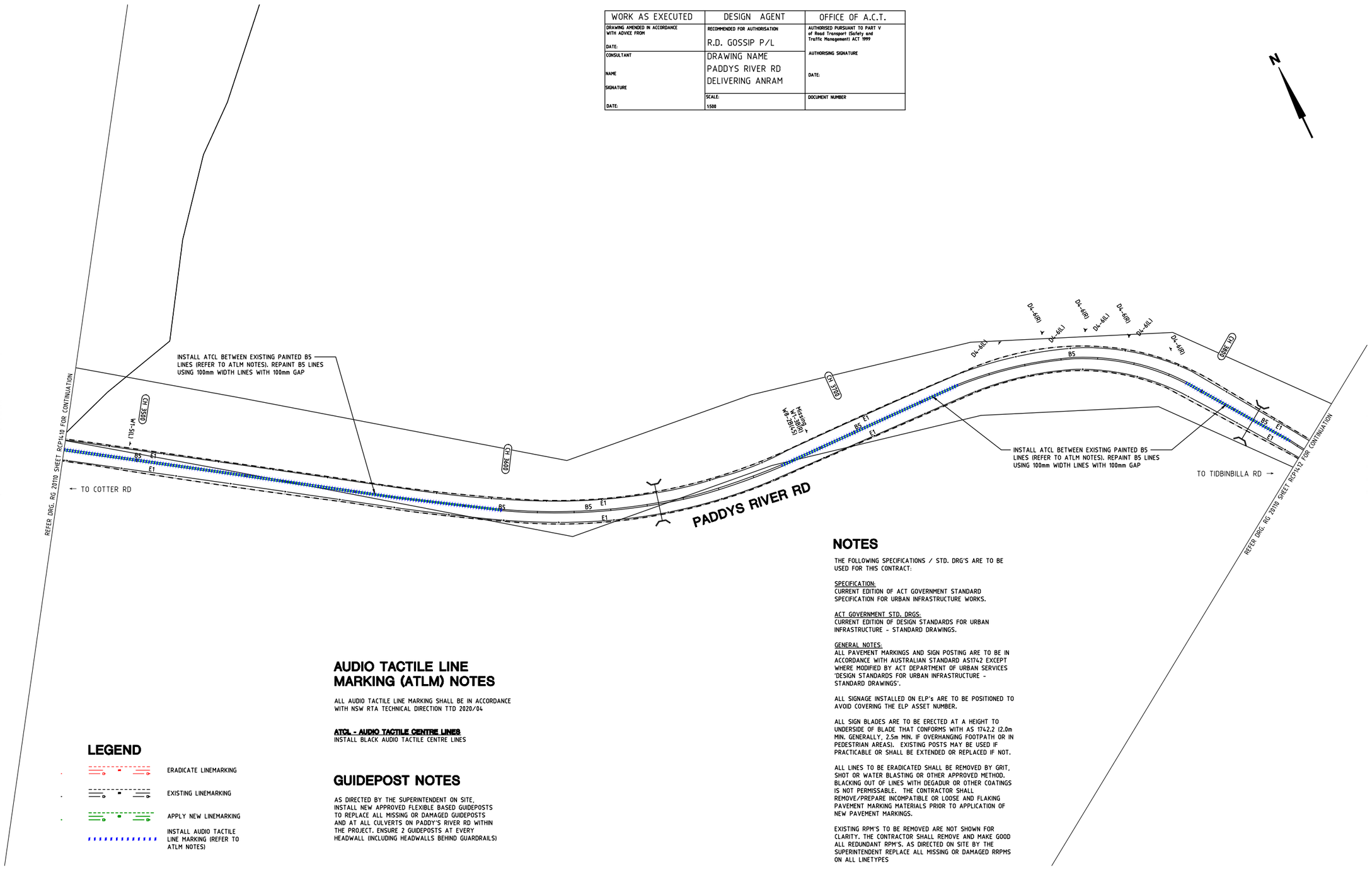
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 10 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1410	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

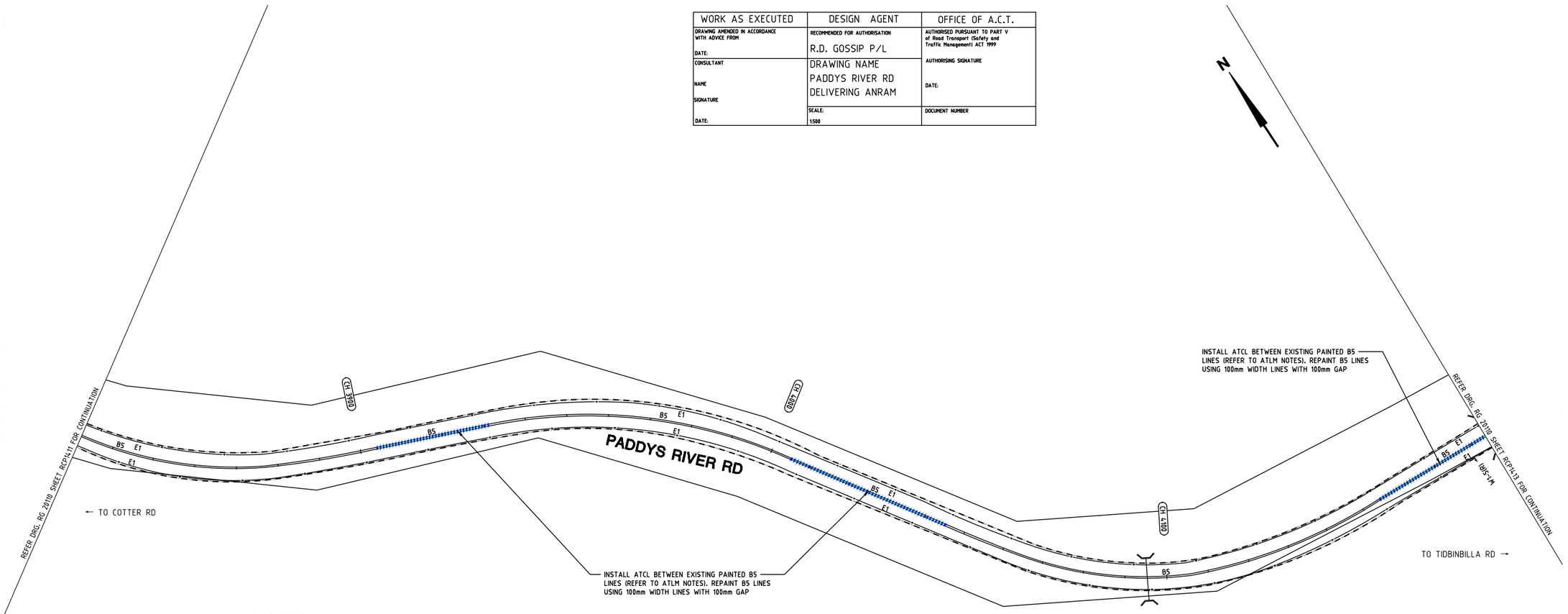
Date: 24/09/21

Drawing Title

PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 11 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1411	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

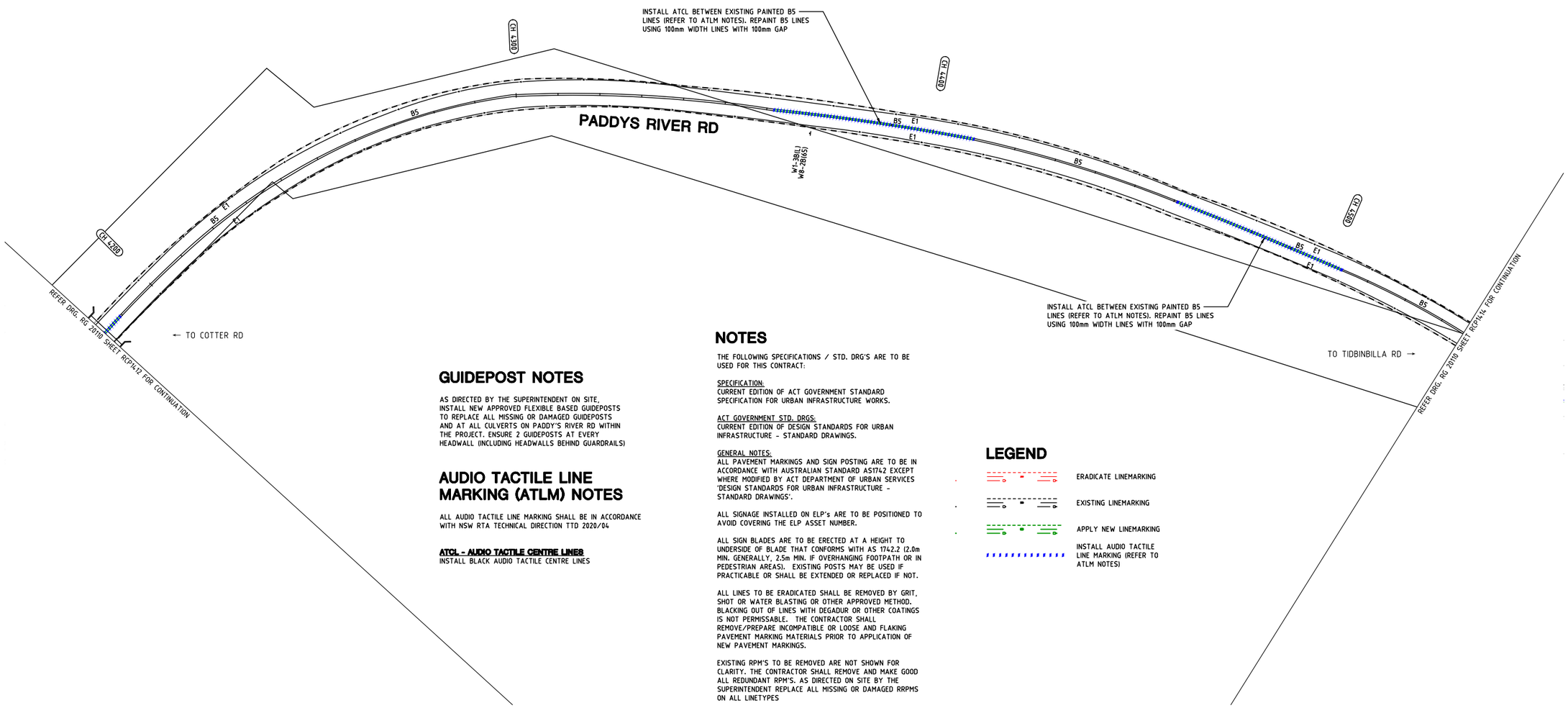
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 12 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1412	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

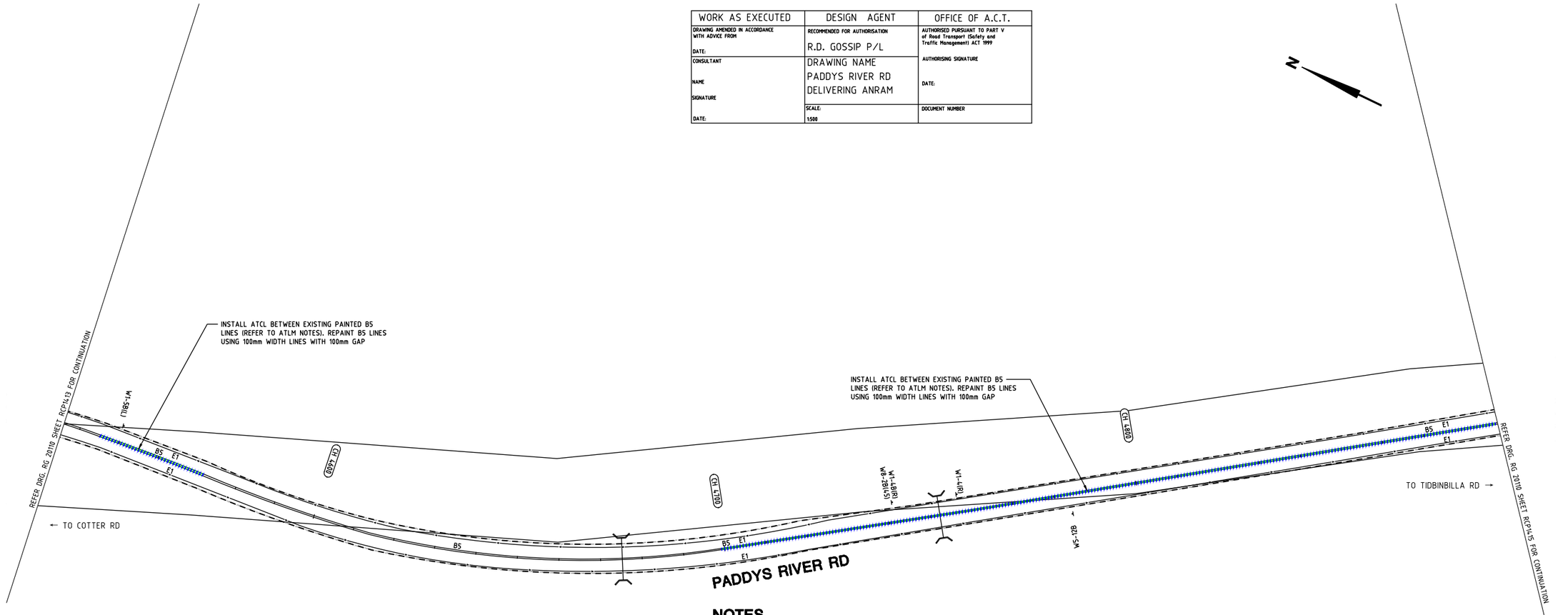
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 13 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1413	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

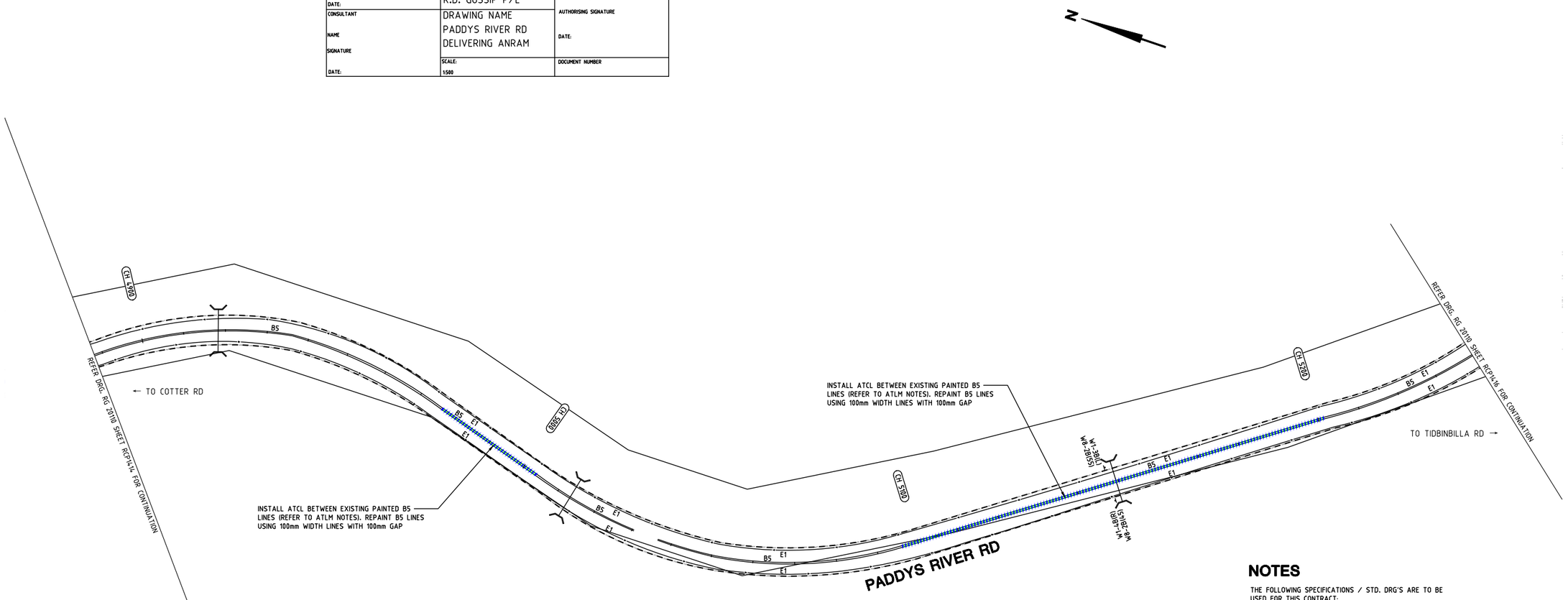
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 14 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1414	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by --
Drawn by --
Checked by --
Approved by --

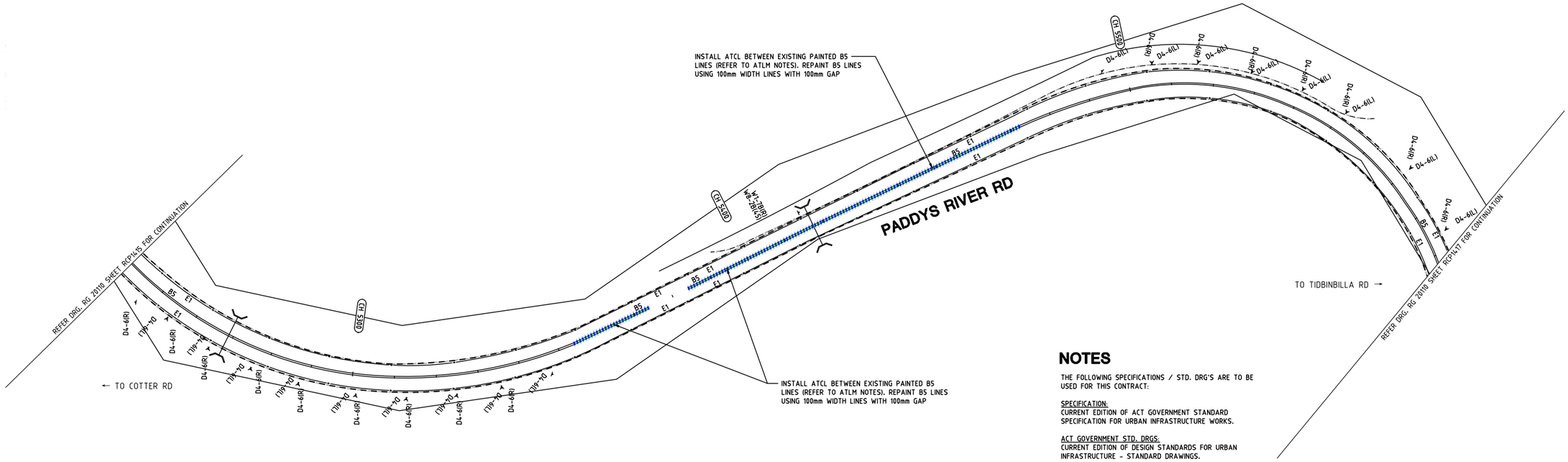
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 15 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1415	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

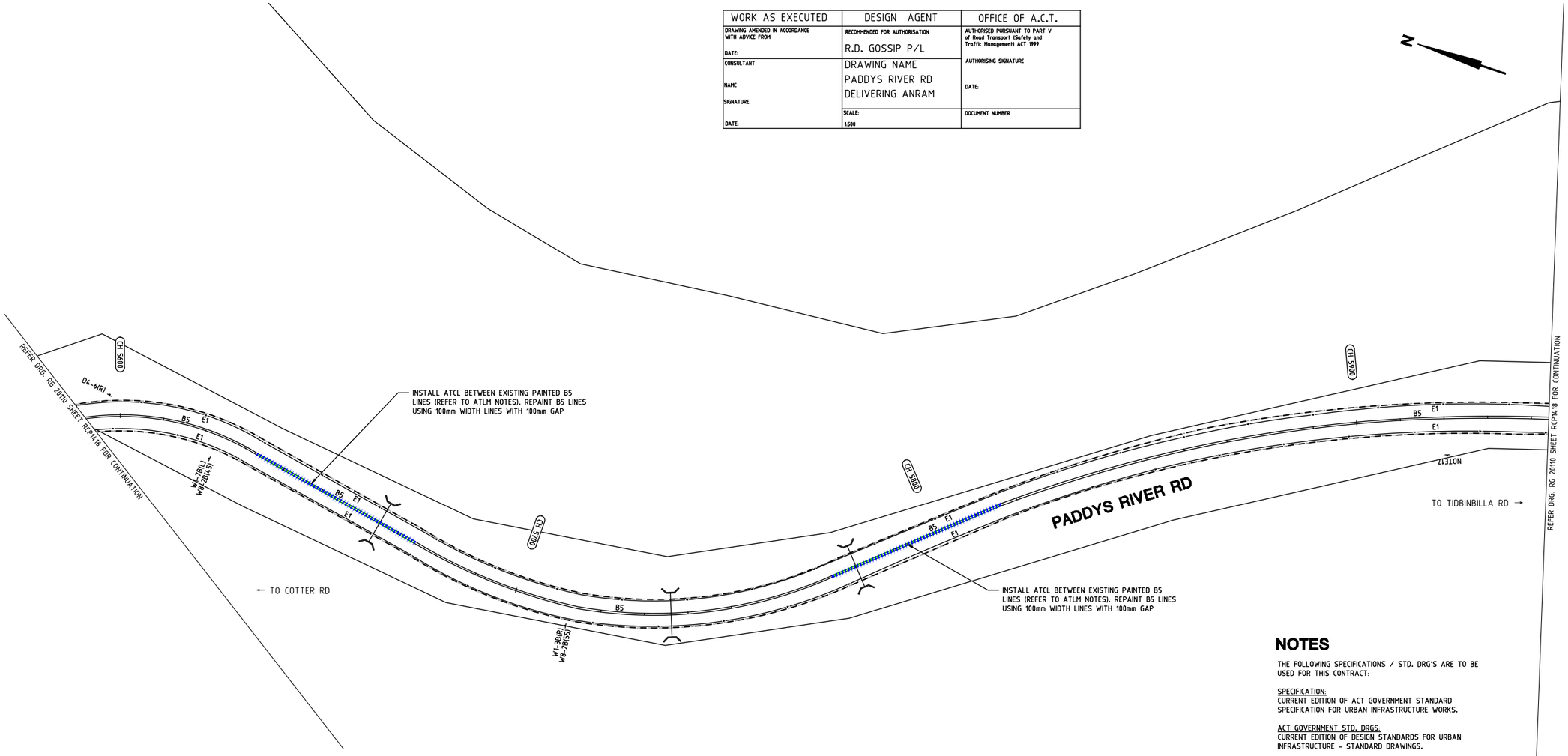
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 16 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1416	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

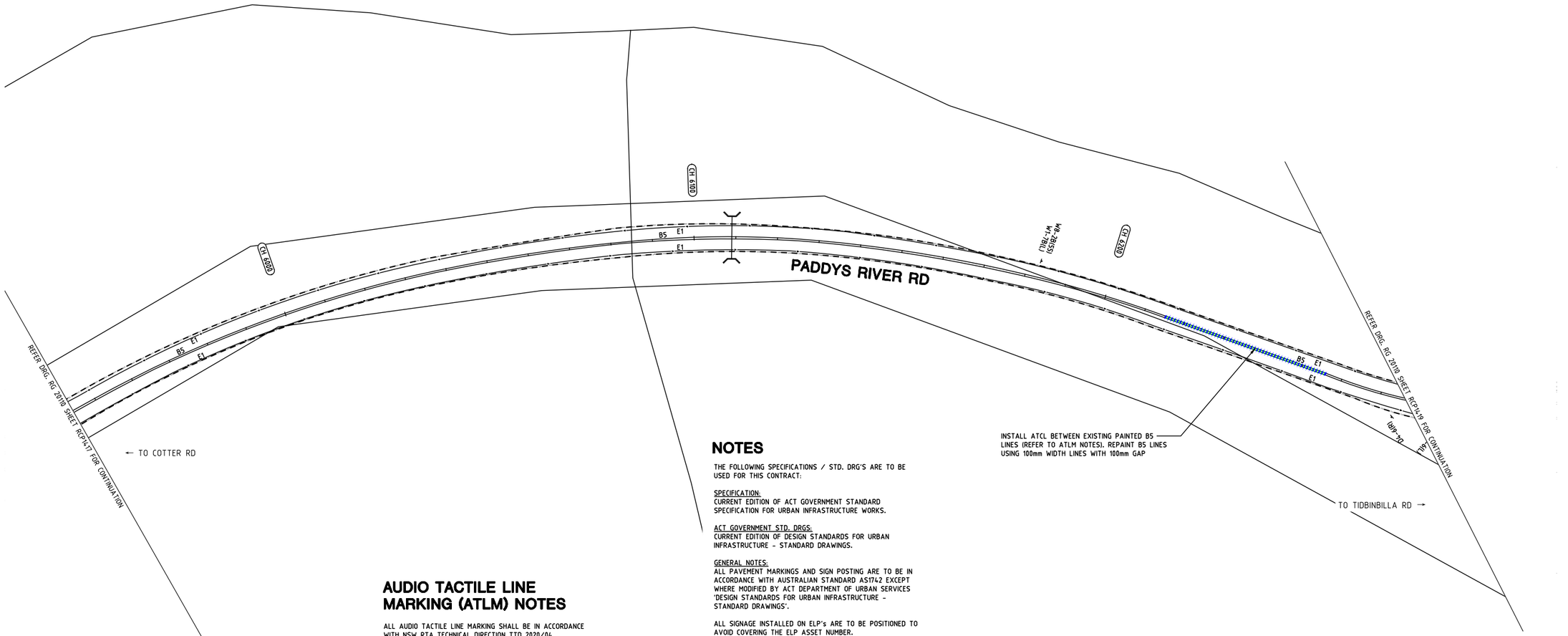
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 17 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1417	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

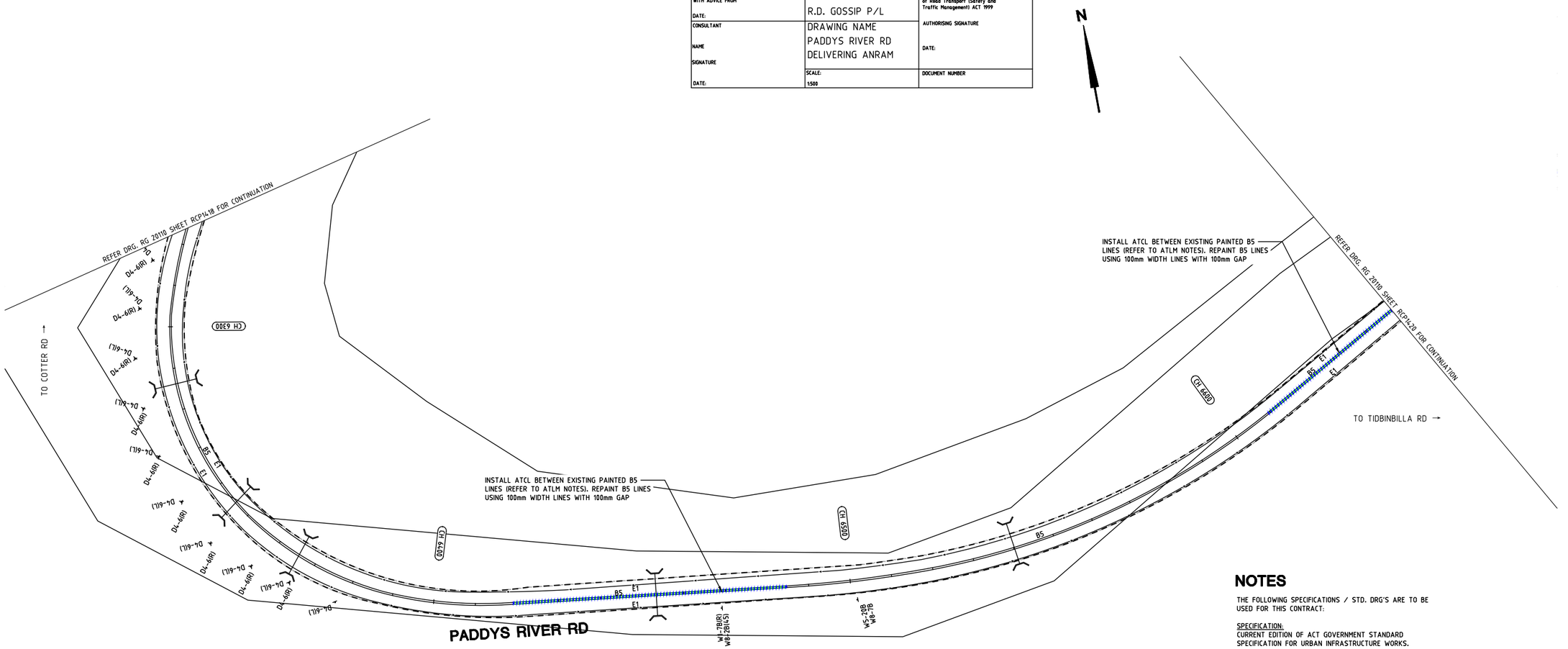
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 18 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1418	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 19 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1419	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

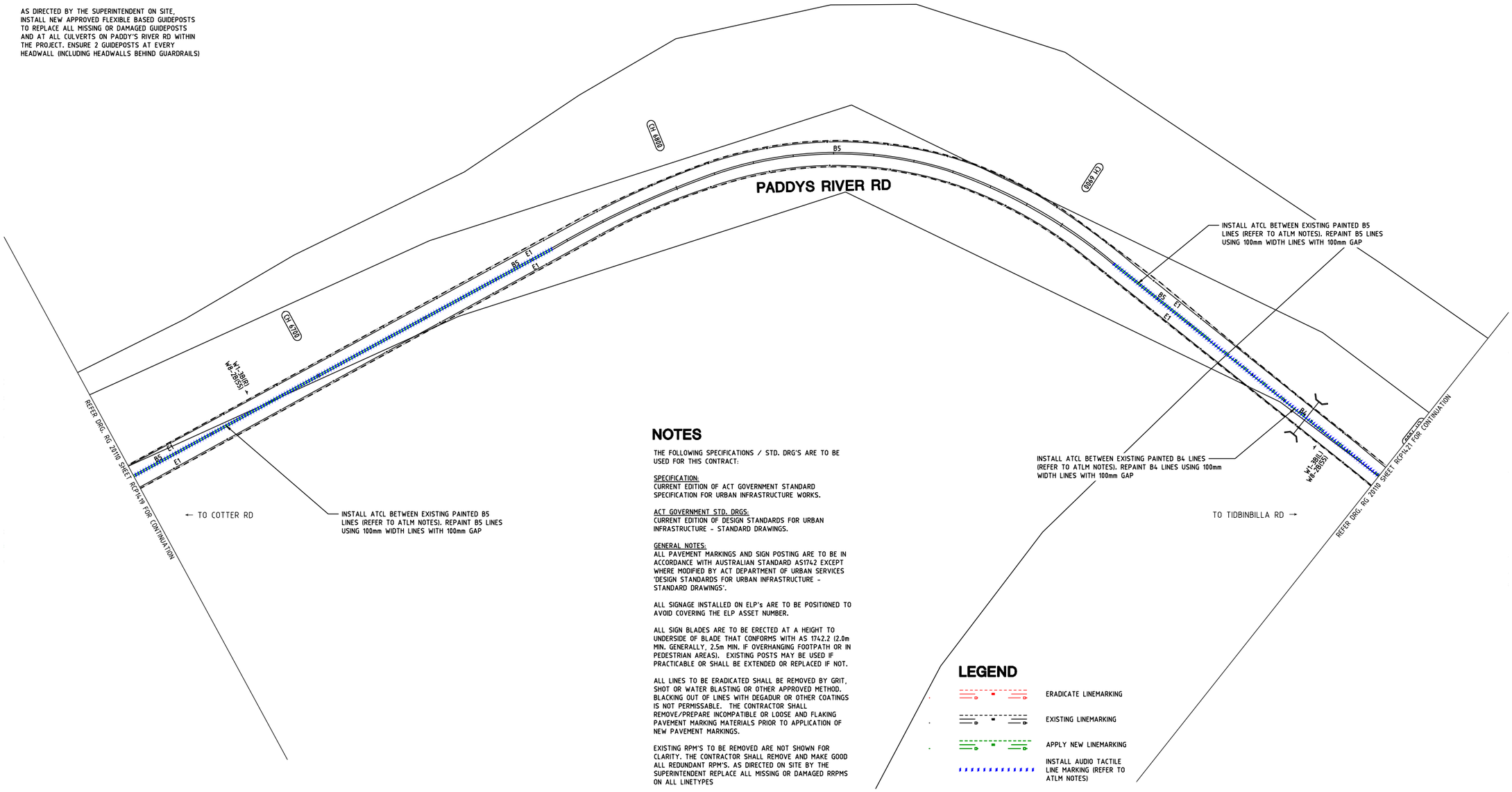
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

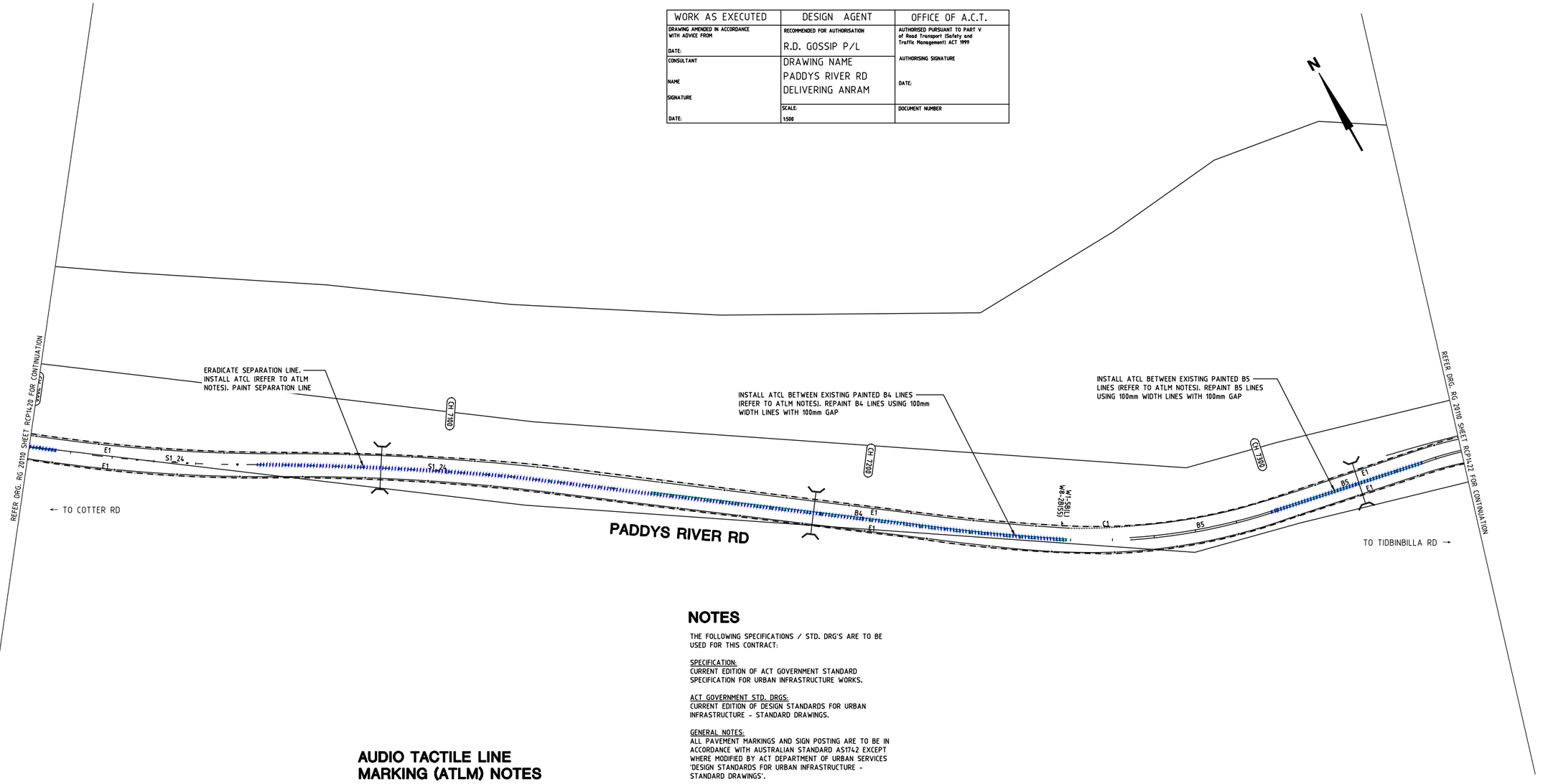
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 20 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1420	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6319

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 21 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1421	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

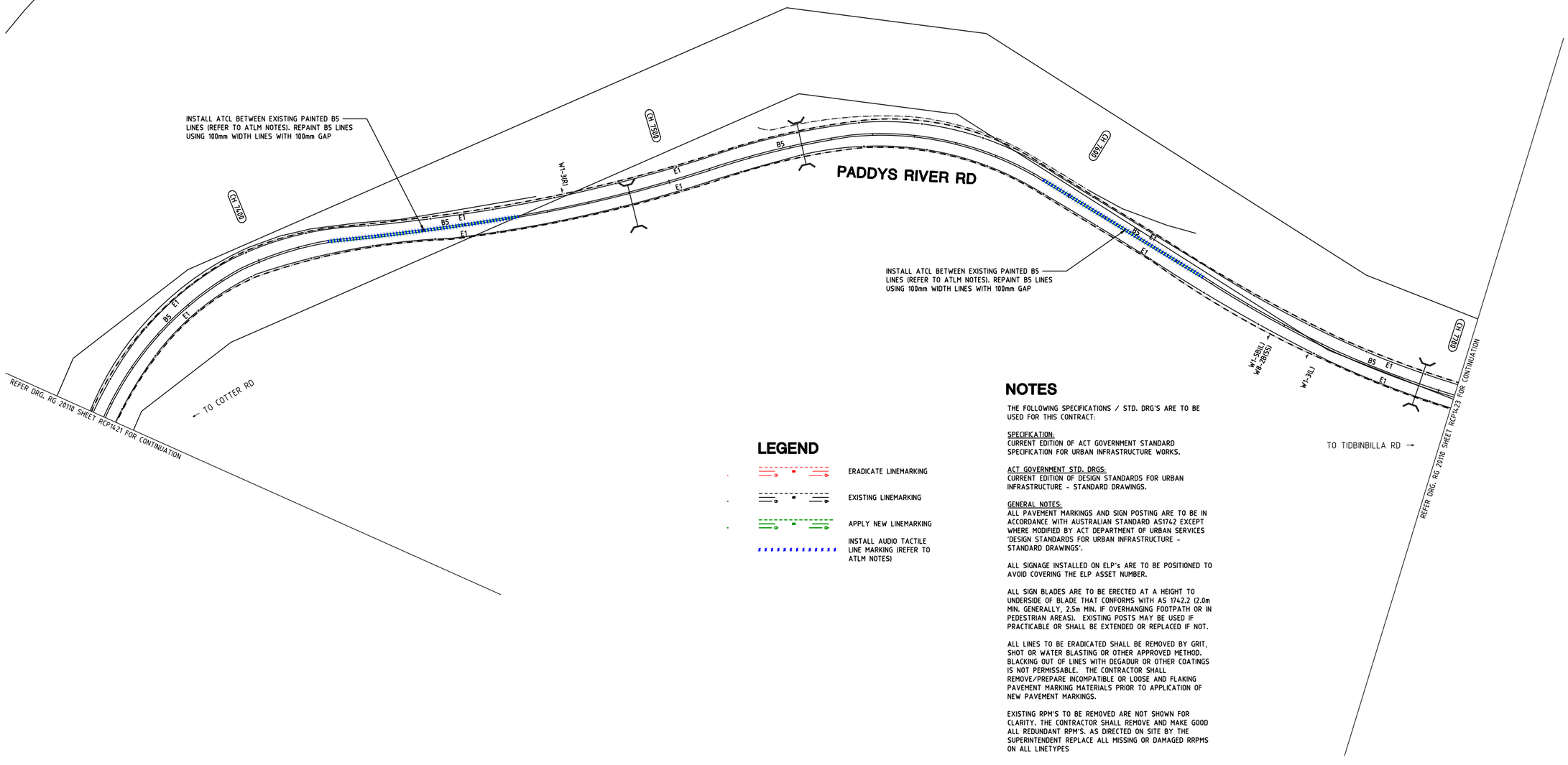
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGAOUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

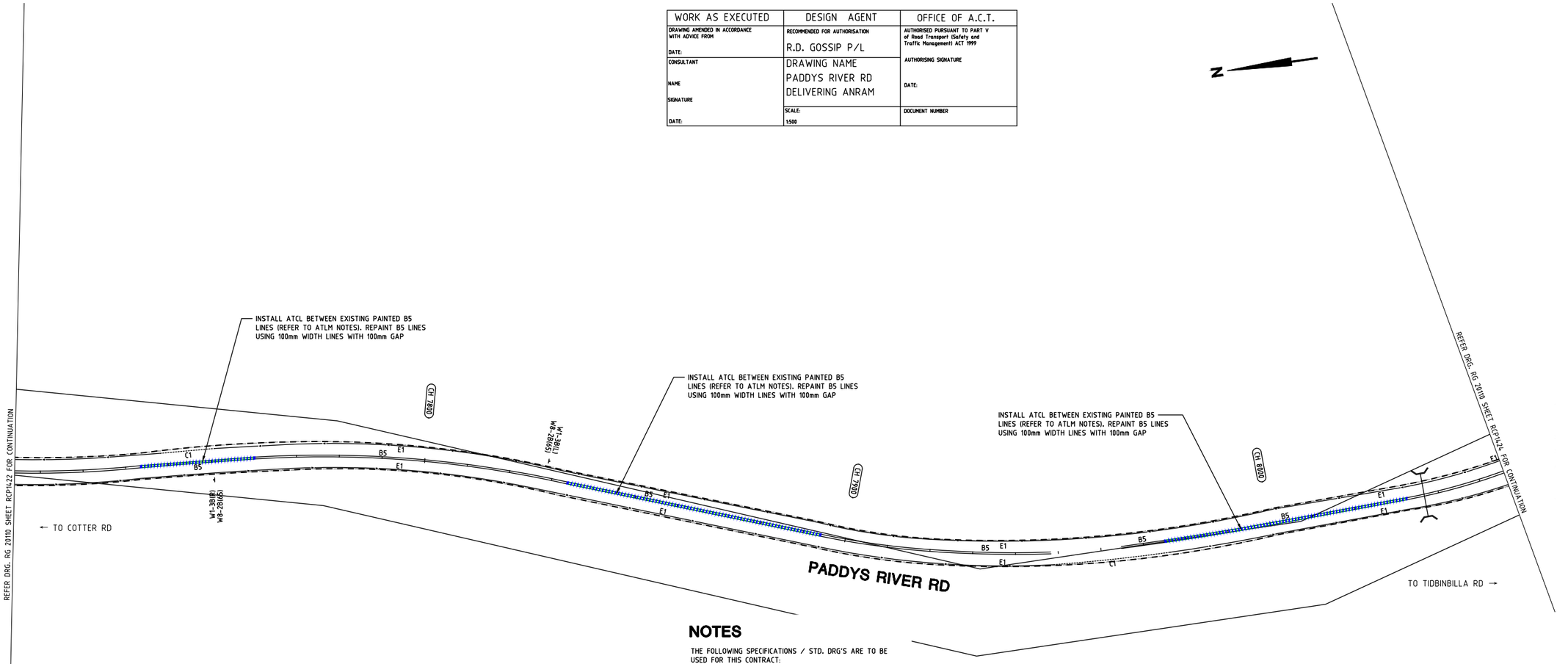
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 22 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1422	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGAOUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6319

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

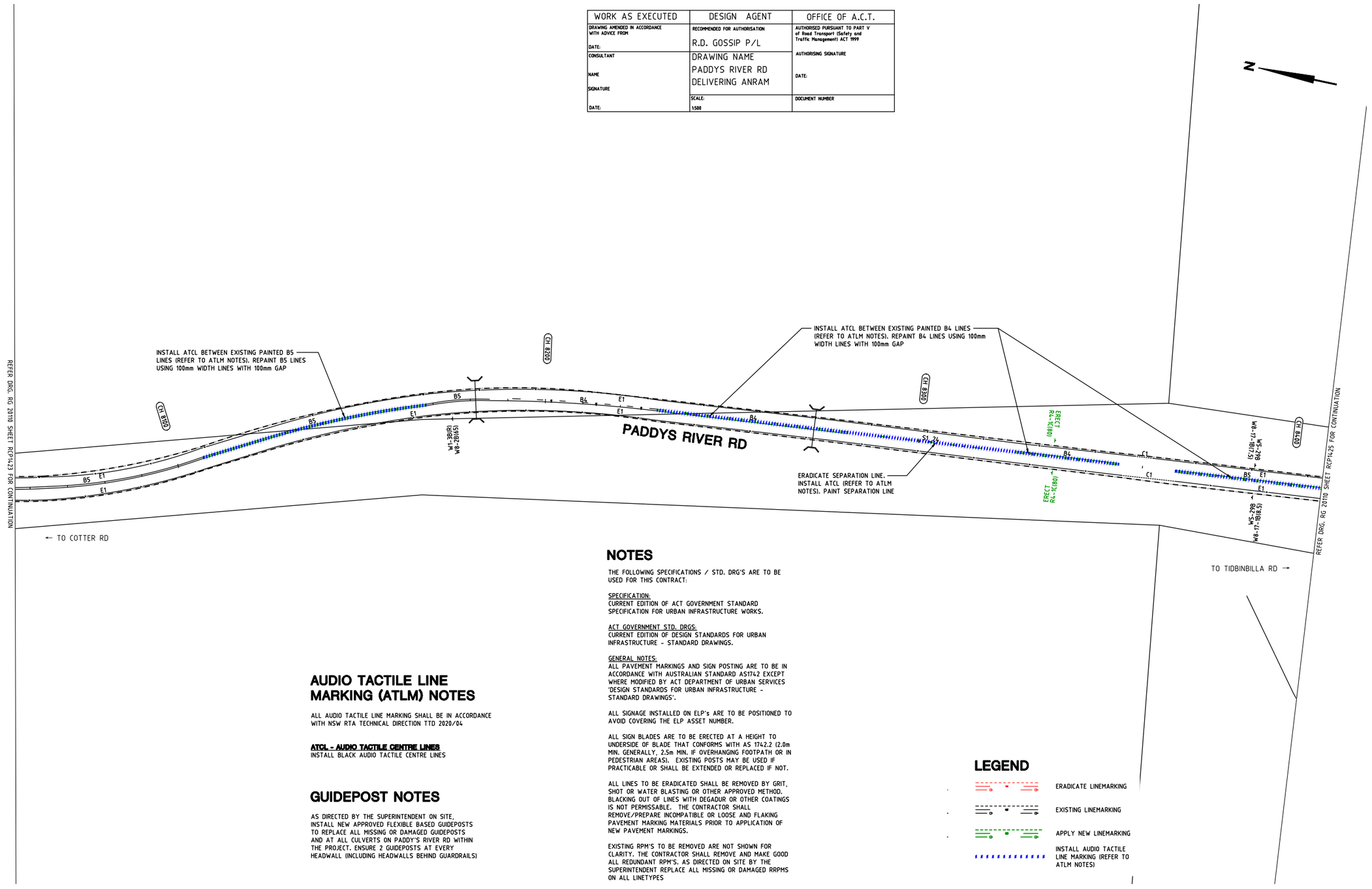
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 23 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1423	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE,
INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S, AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF:
SIGNS TO BE ERECTED				
R4-1(80)	SPEED LIMIT (80)	-	C	2
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by –
Drawn by –
Checked by –
Approved by –

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date 24/09/21

Drawing Title

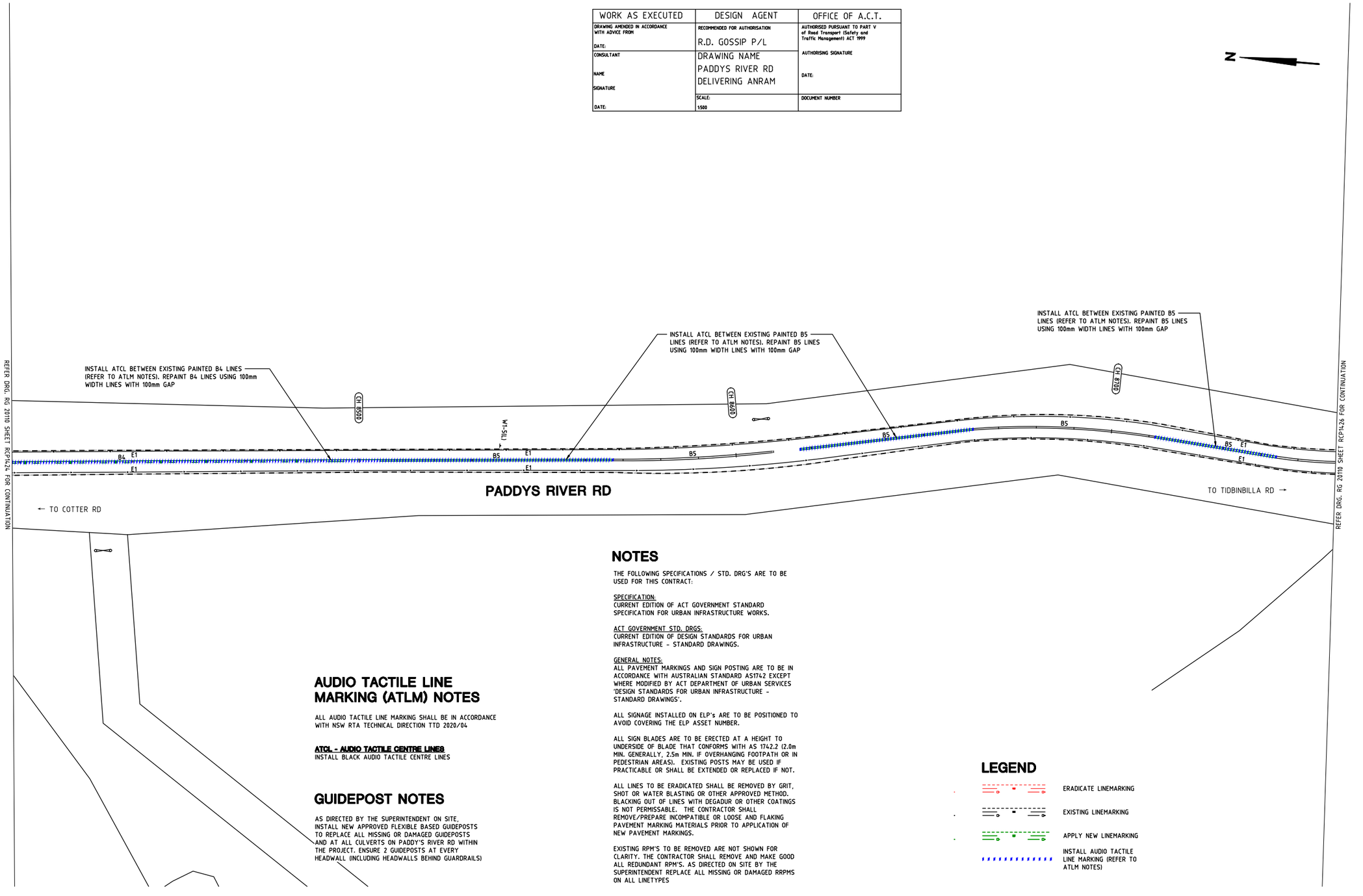
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 24 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1424	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

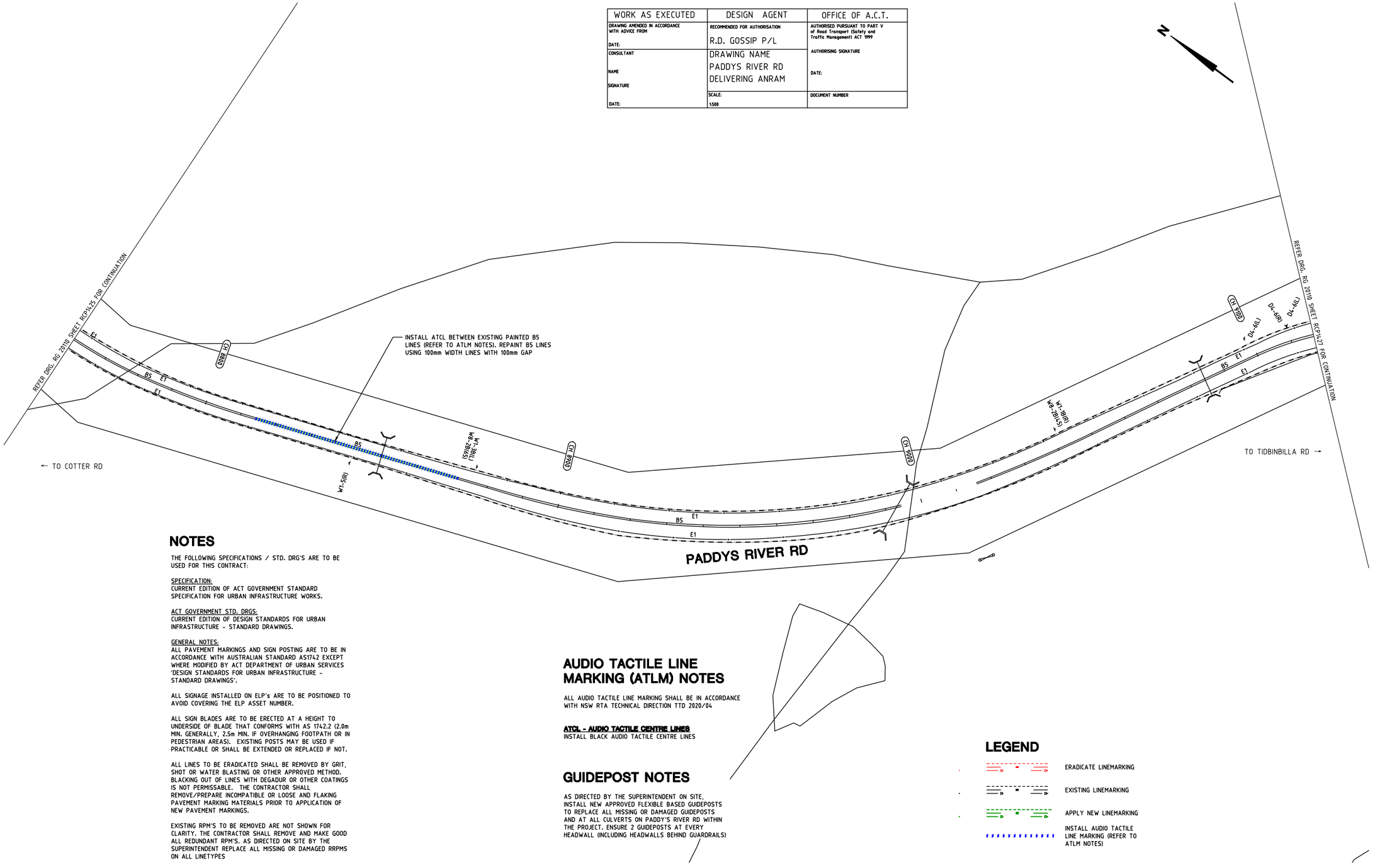
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 25 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1425	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 26 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1426	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

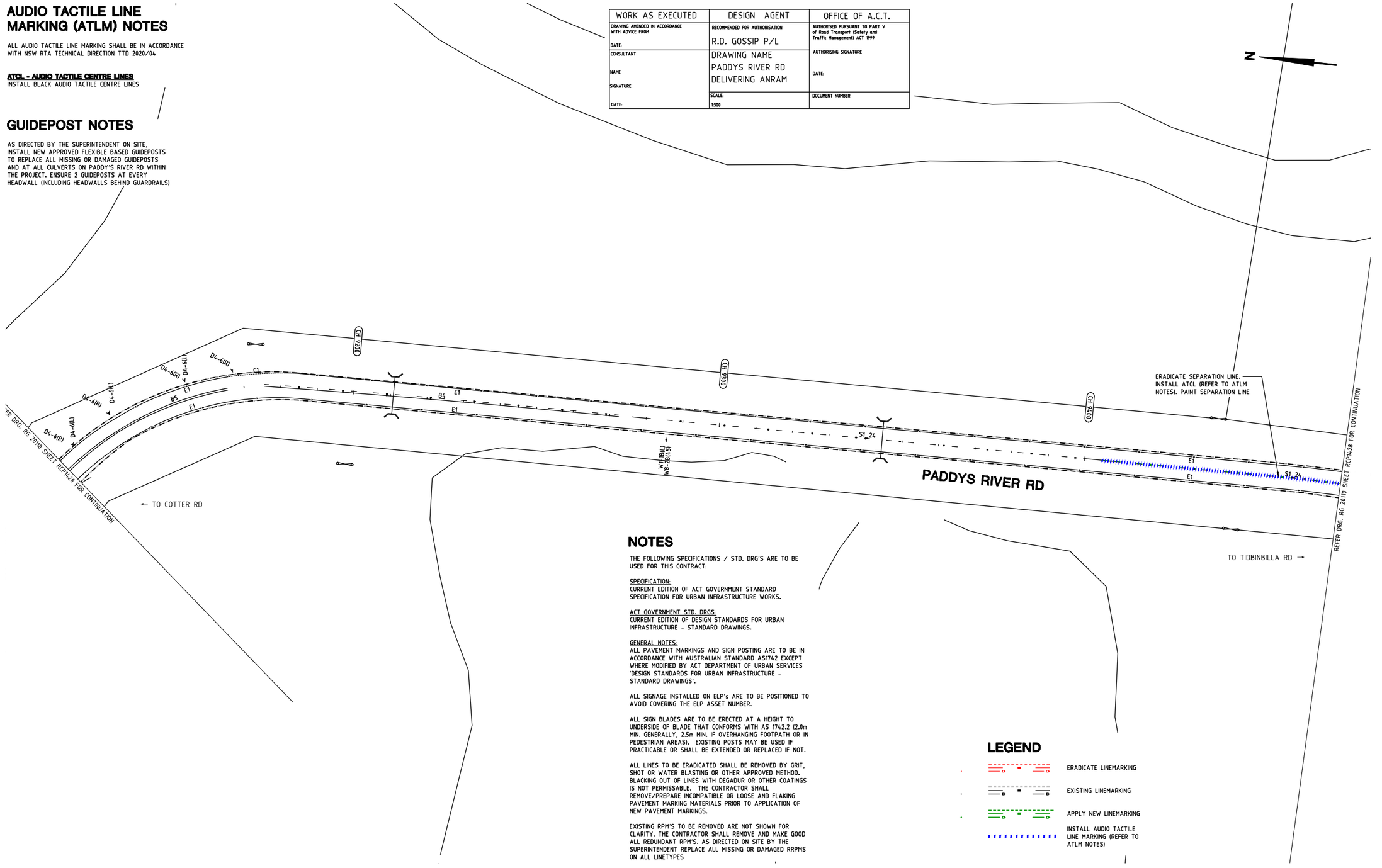
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by --
Drawn by --
Checked by --
Approved by --

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

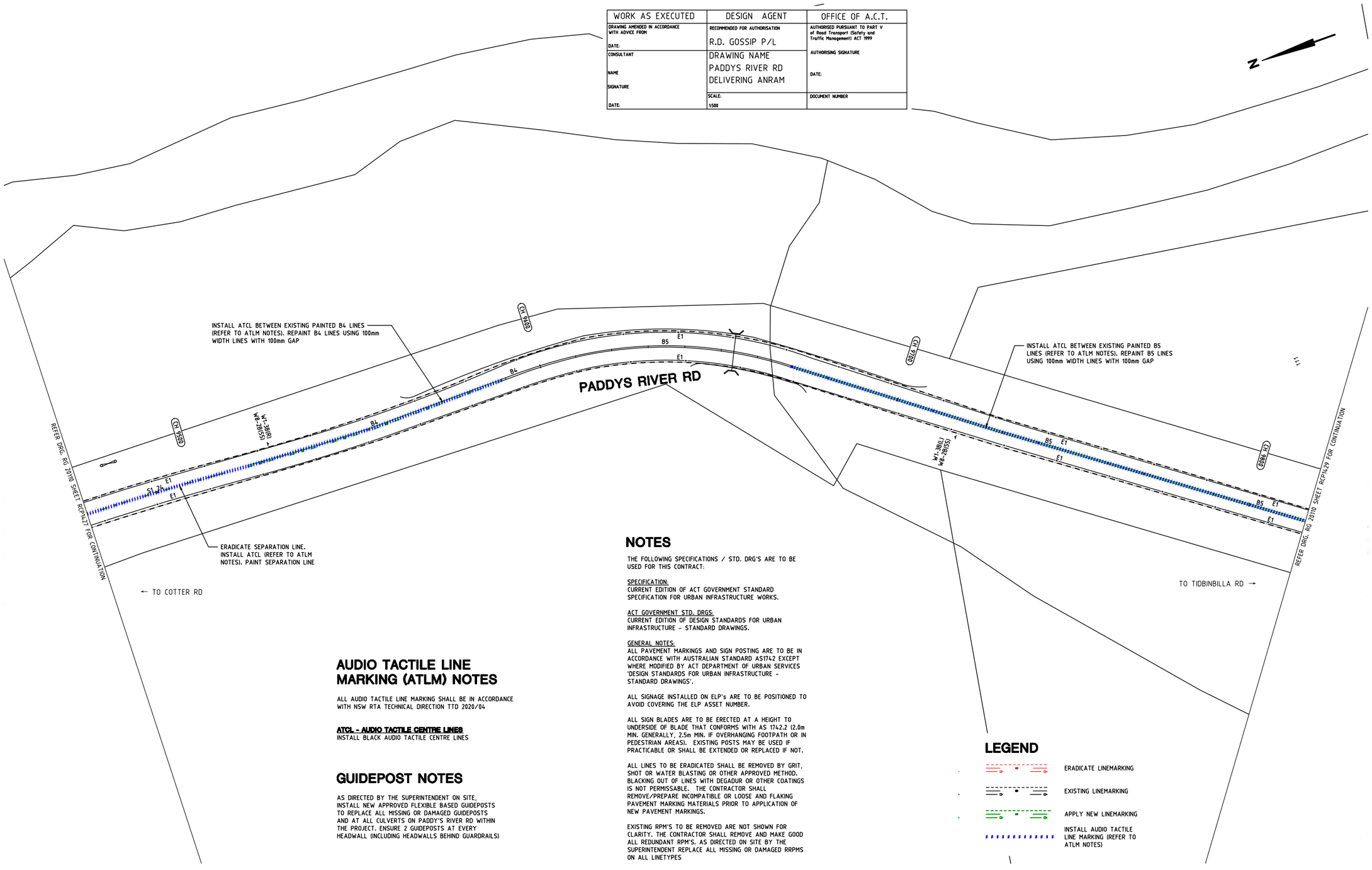
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 27 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1427	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

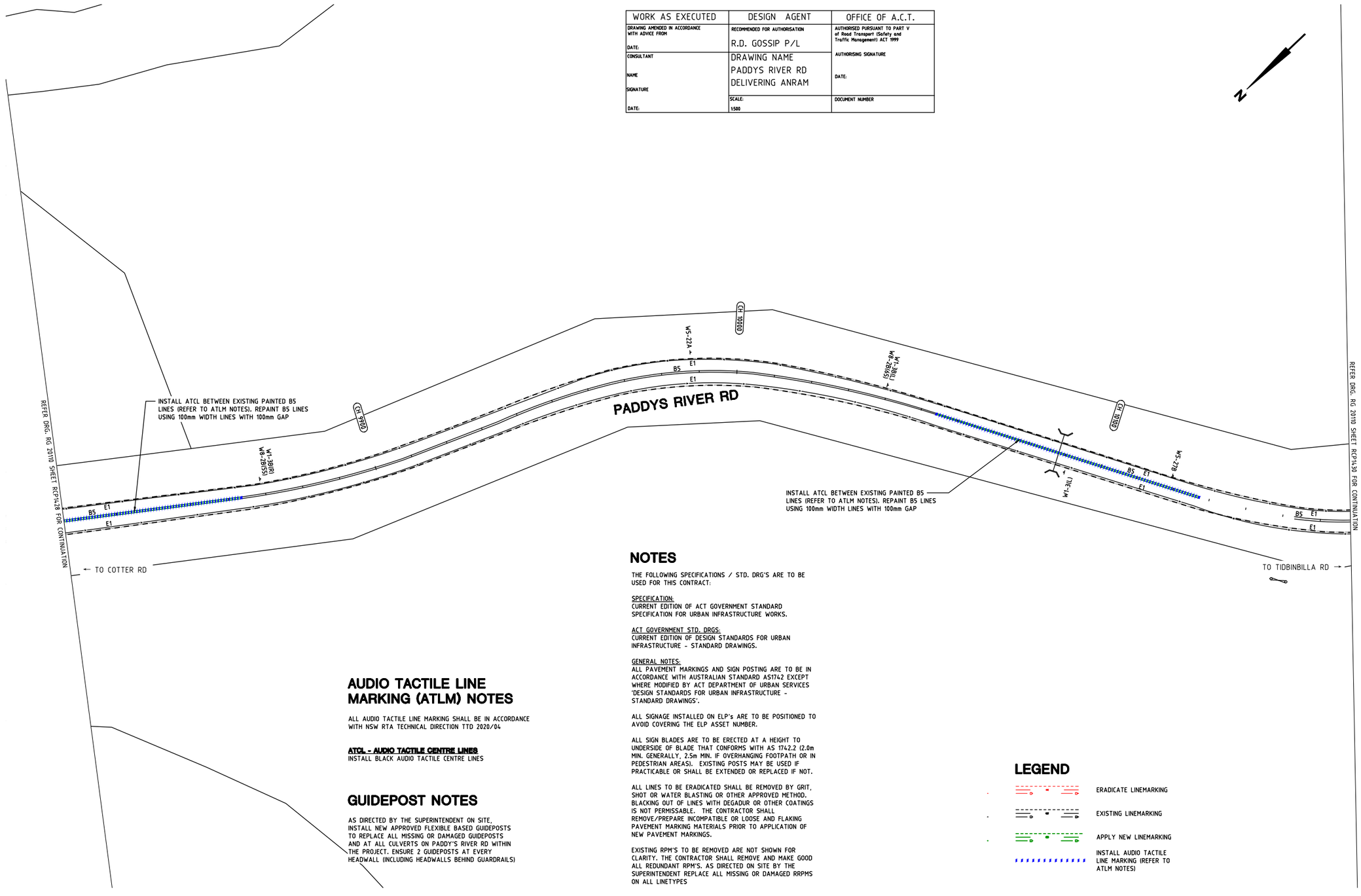
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 28 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1428	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE. INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6393
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

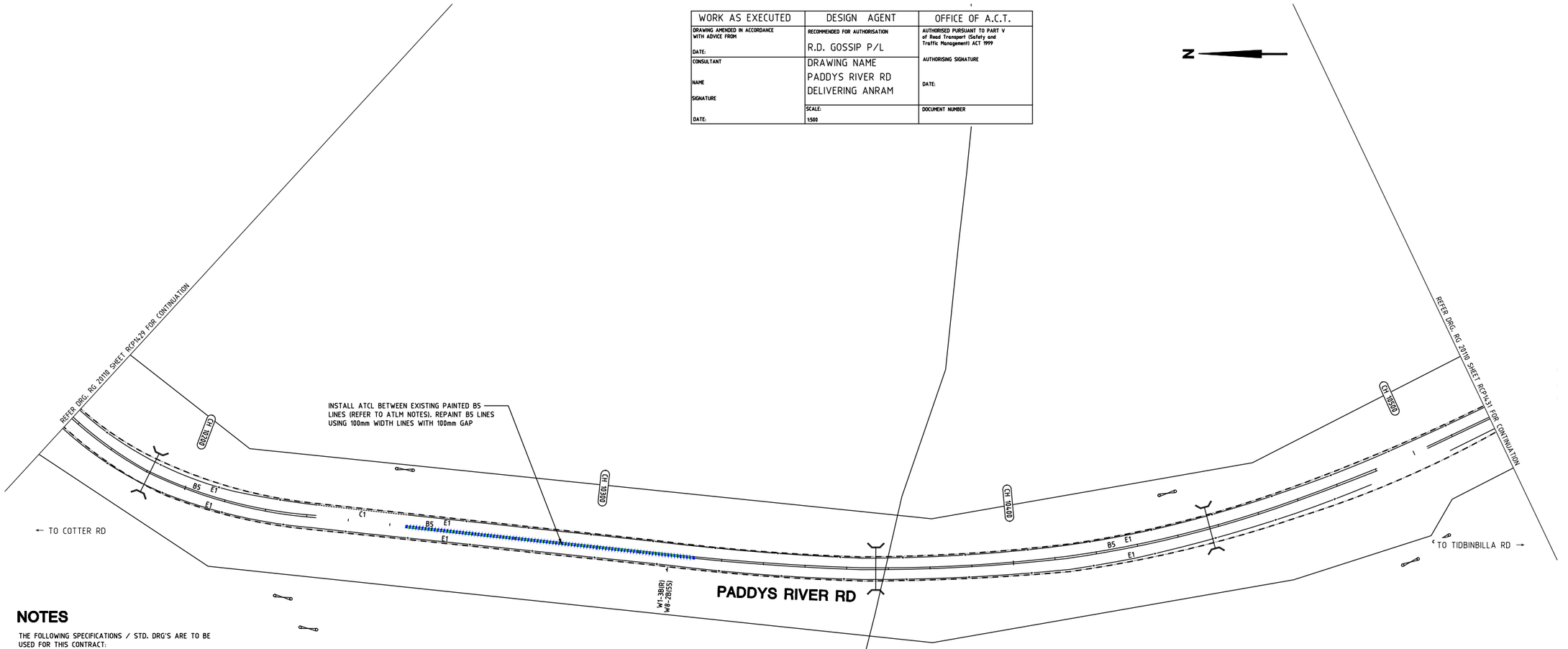
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 29 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1429	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE: SCALE: 1:500 DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

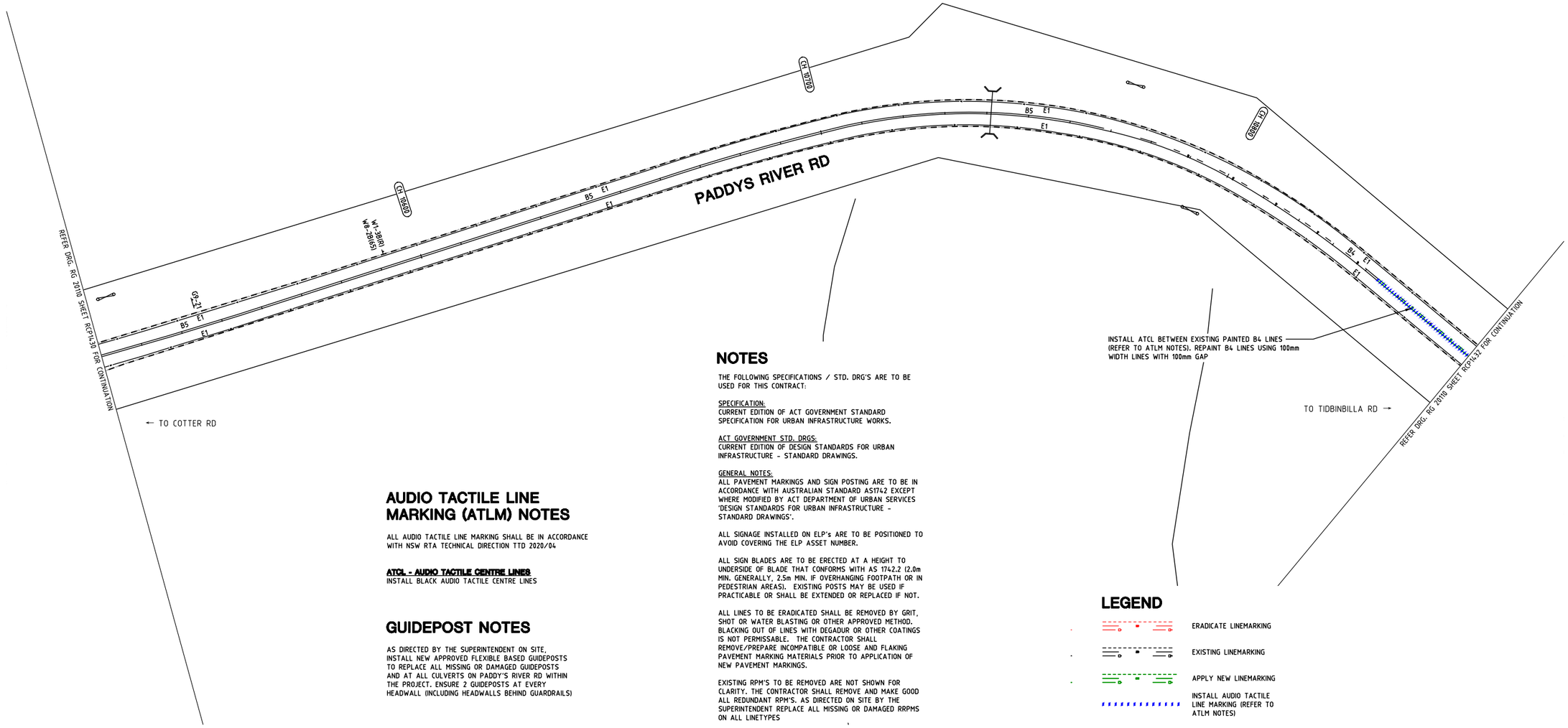
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 30 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1430	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGAOUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

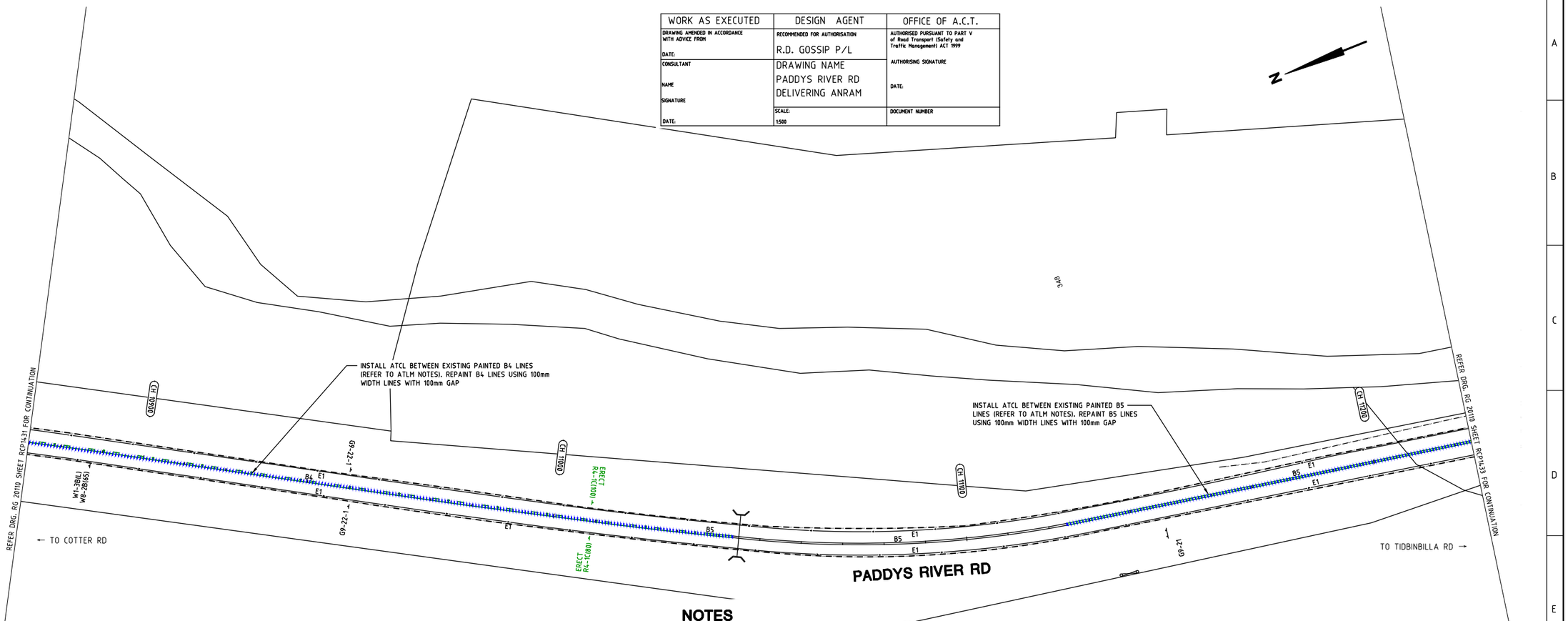
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 31 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1431	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1(80)	SPEED LIMIT (80)	-	C	1
R4-1(100)	SPEED LIMIT (100)	-	C	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

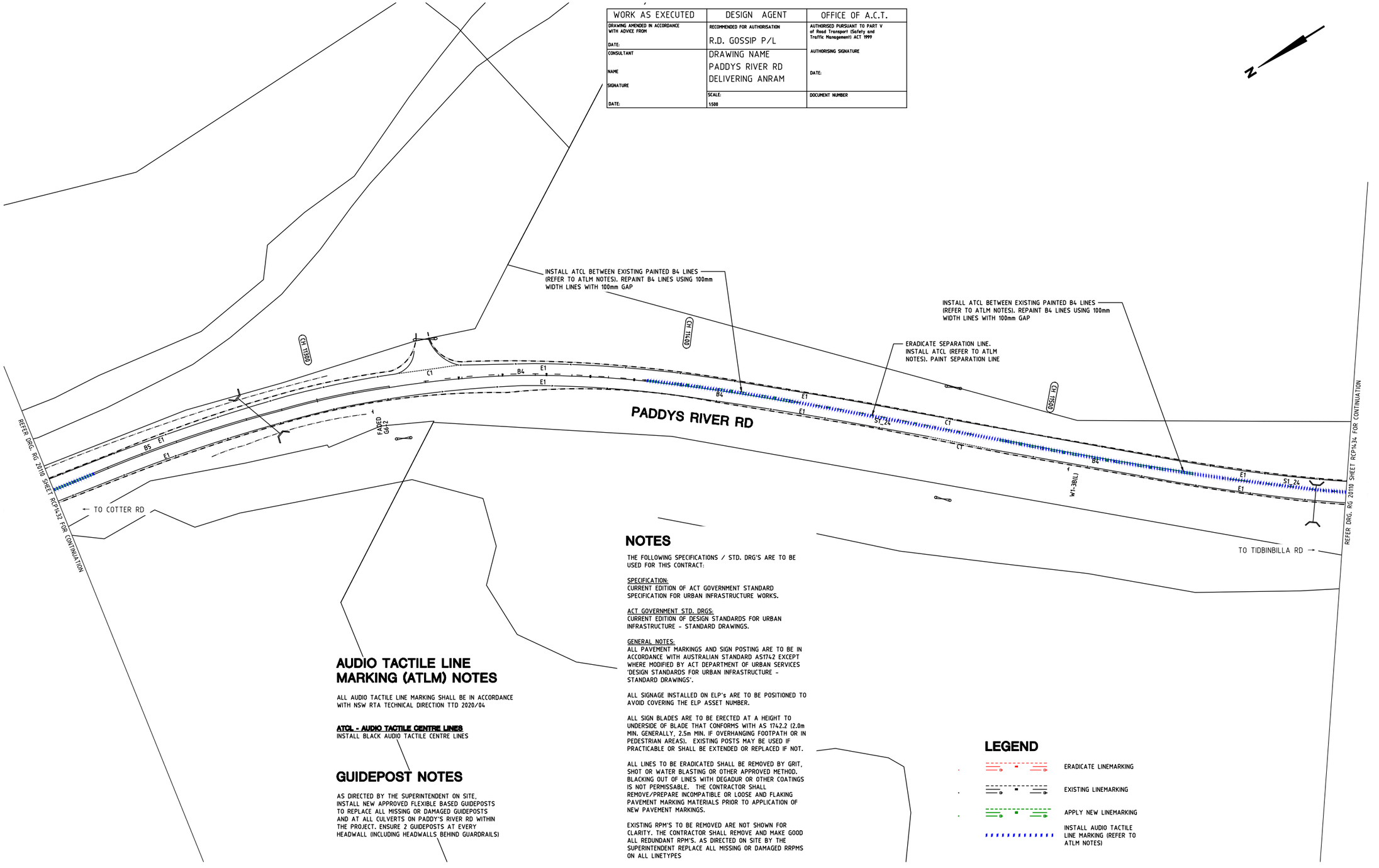
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 32 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1432	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

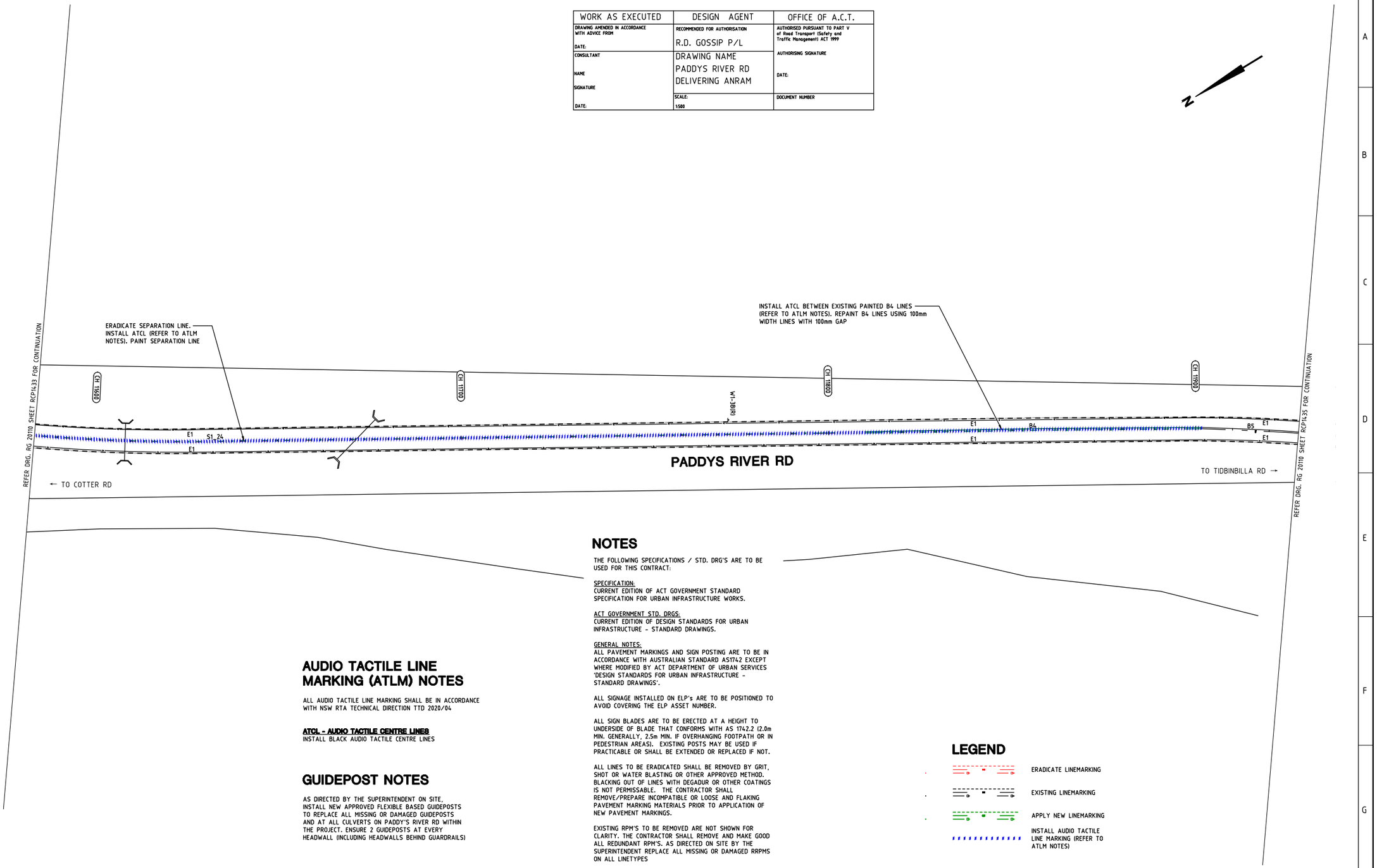
Drawing Title
PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 33 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1433	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 120, 12 Provan Street Campbell ACT 2612 Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

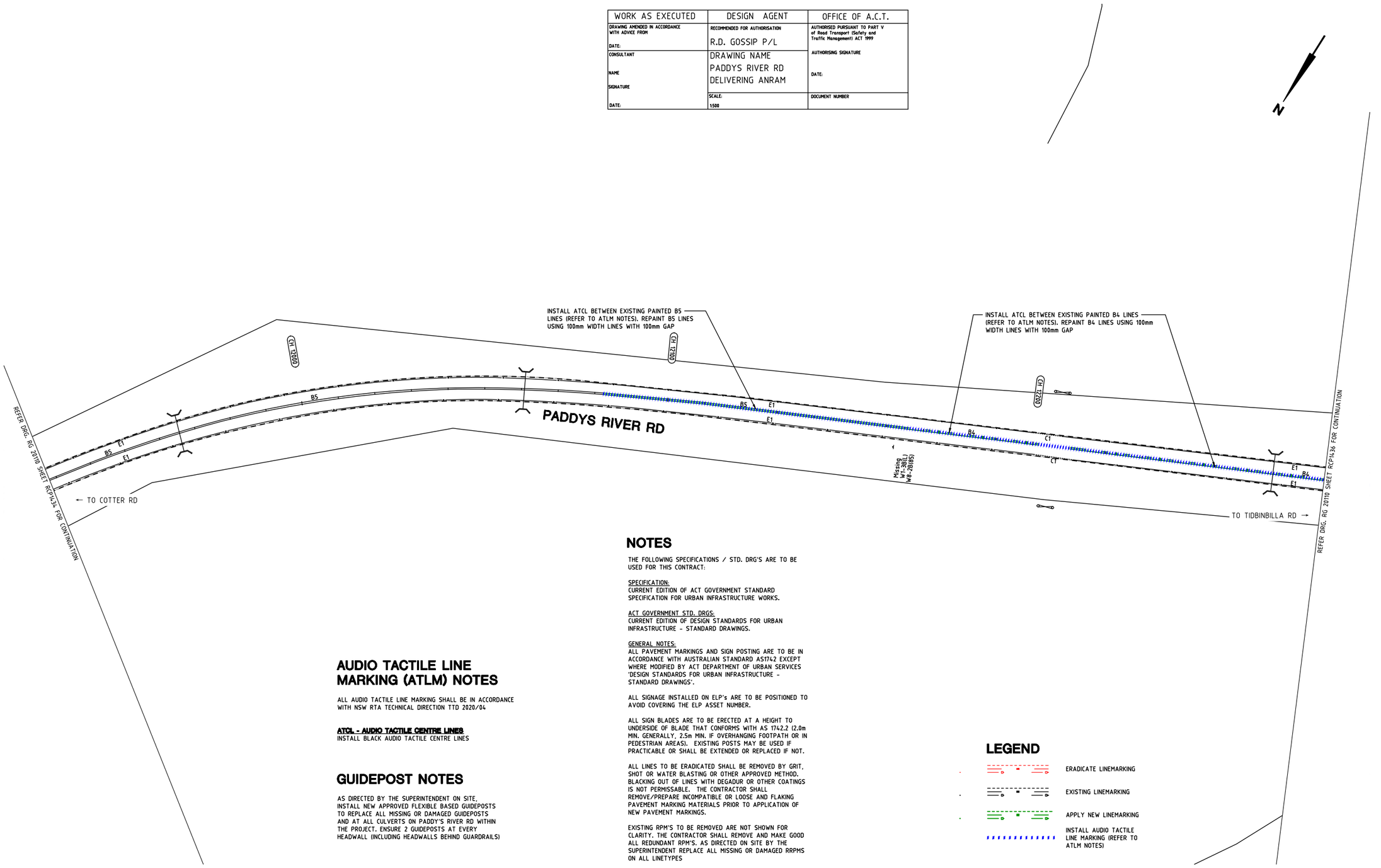
Drawing Title
PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 34 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1434	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

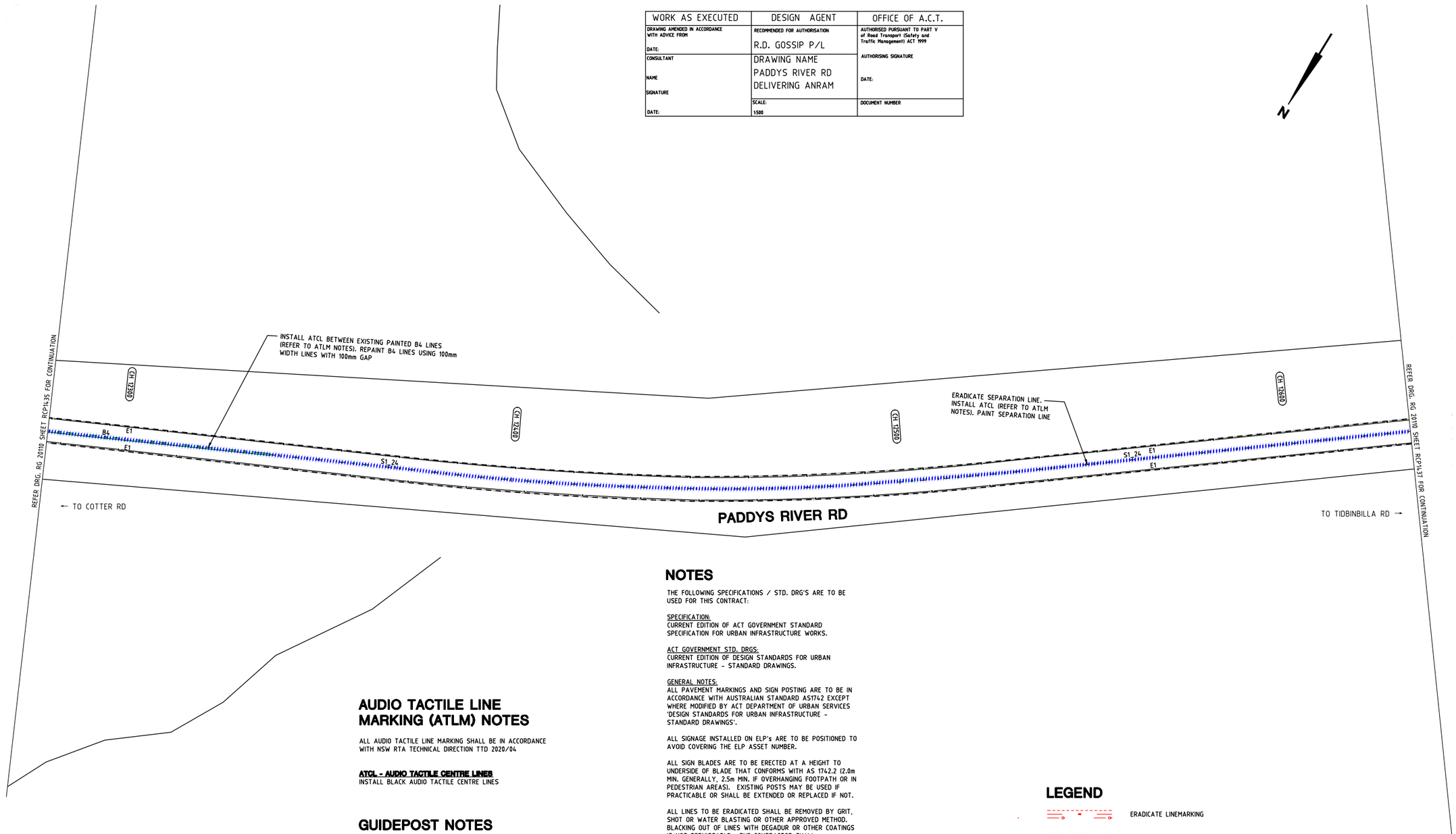
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 35 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1435	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

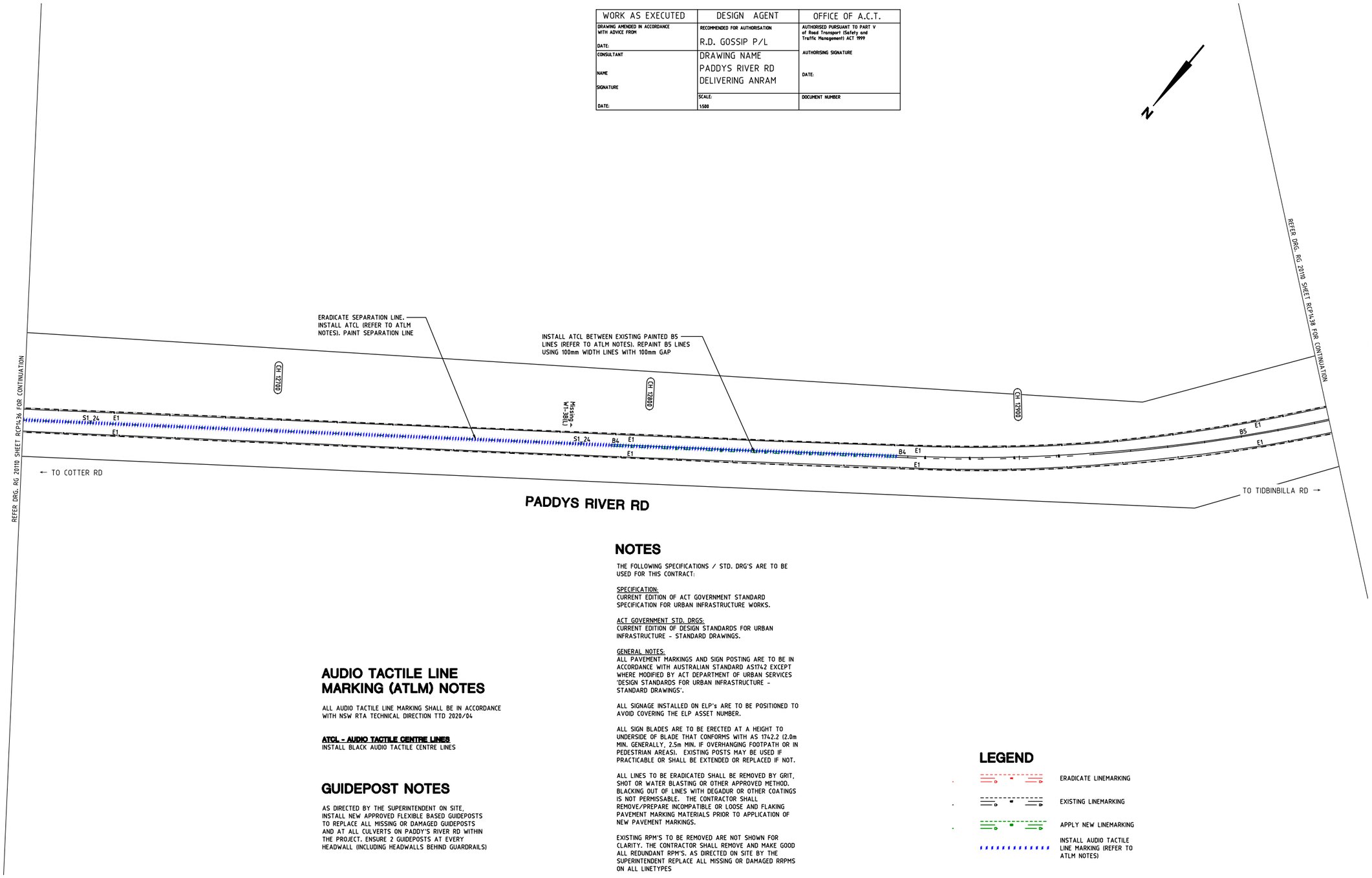
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 36 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1436	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

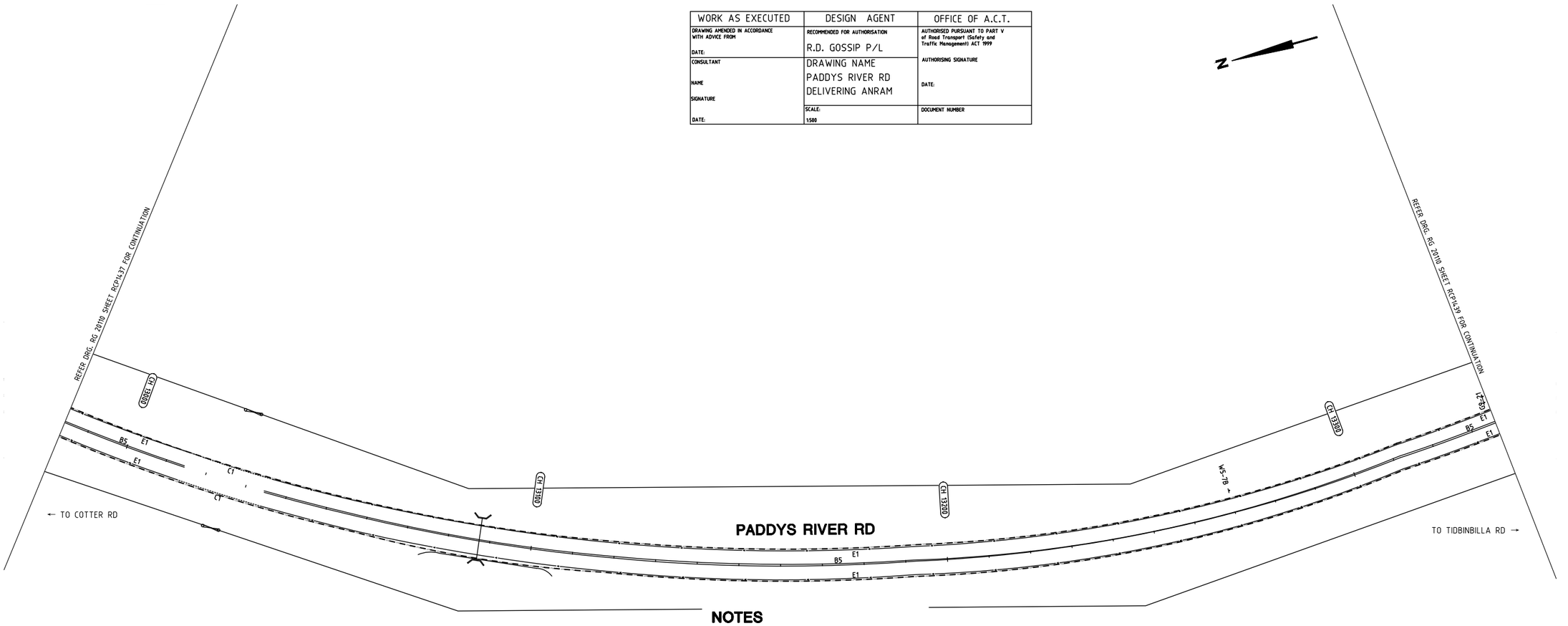
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 37 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1437	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE: SCALE: 1:500 DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

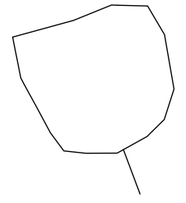
ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)



SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

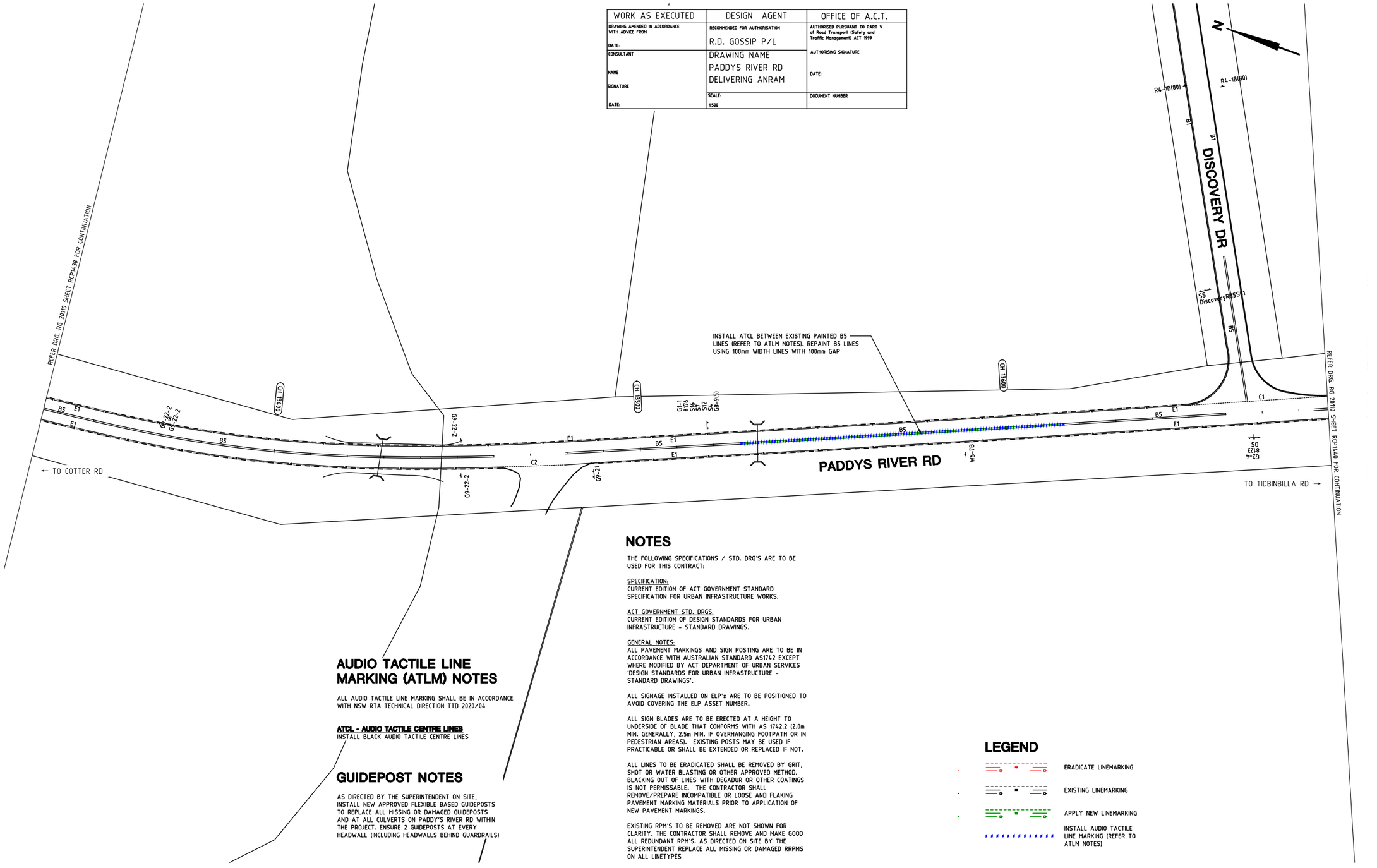
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 38 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1438	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE: SCALE: 1:500 DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6315

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

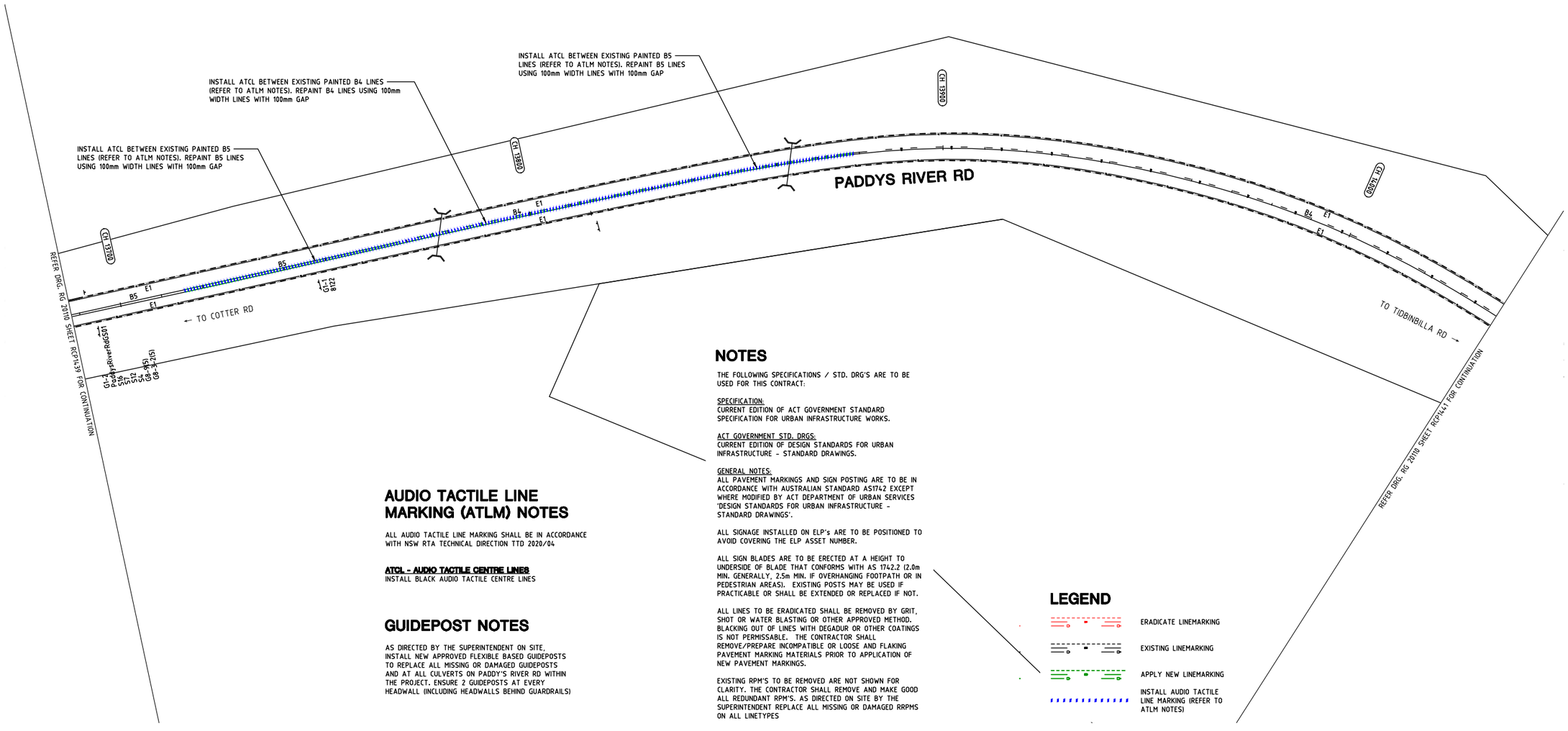
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 39 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1439	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

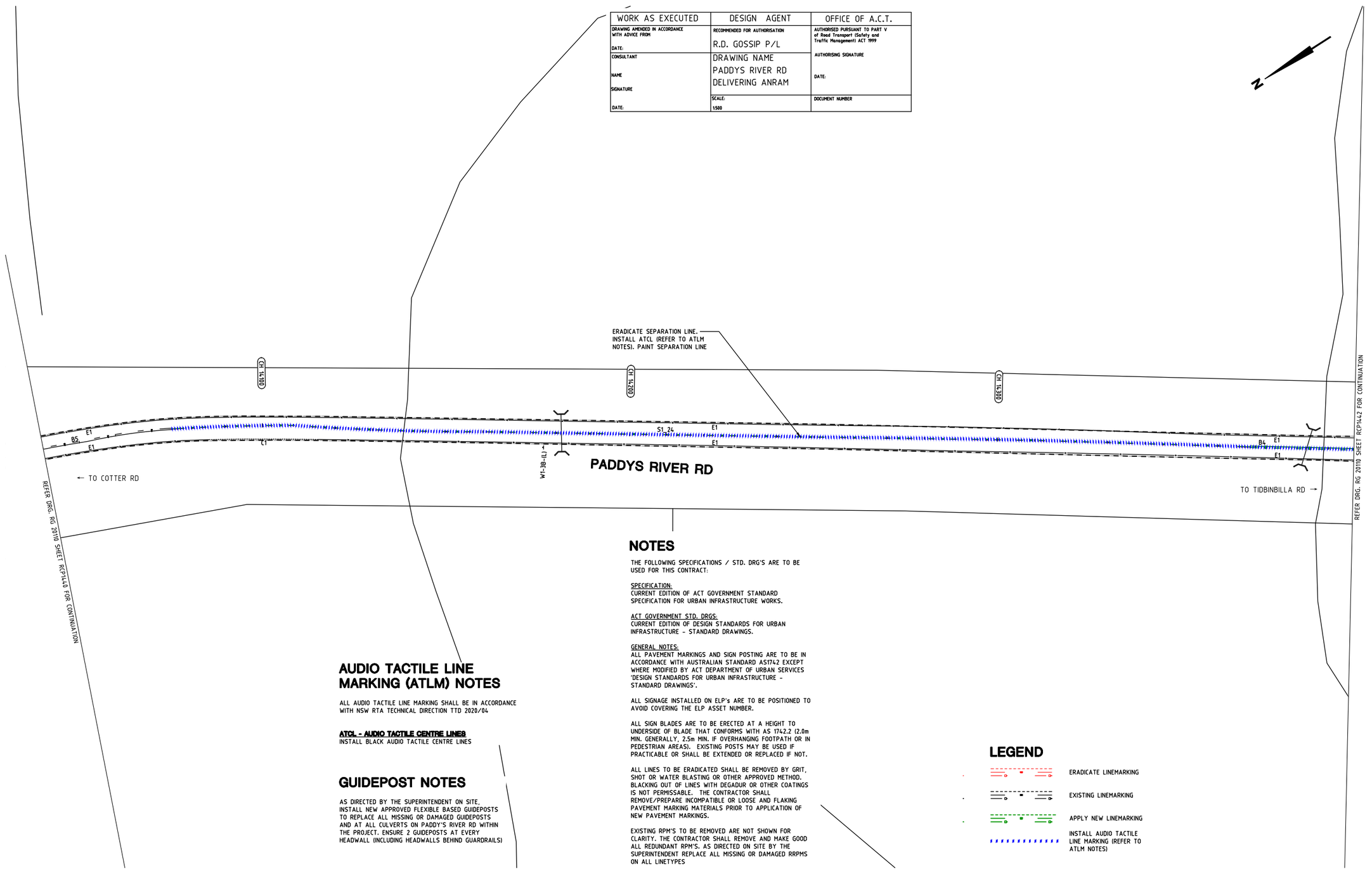
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 40 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1440	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 304.90

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

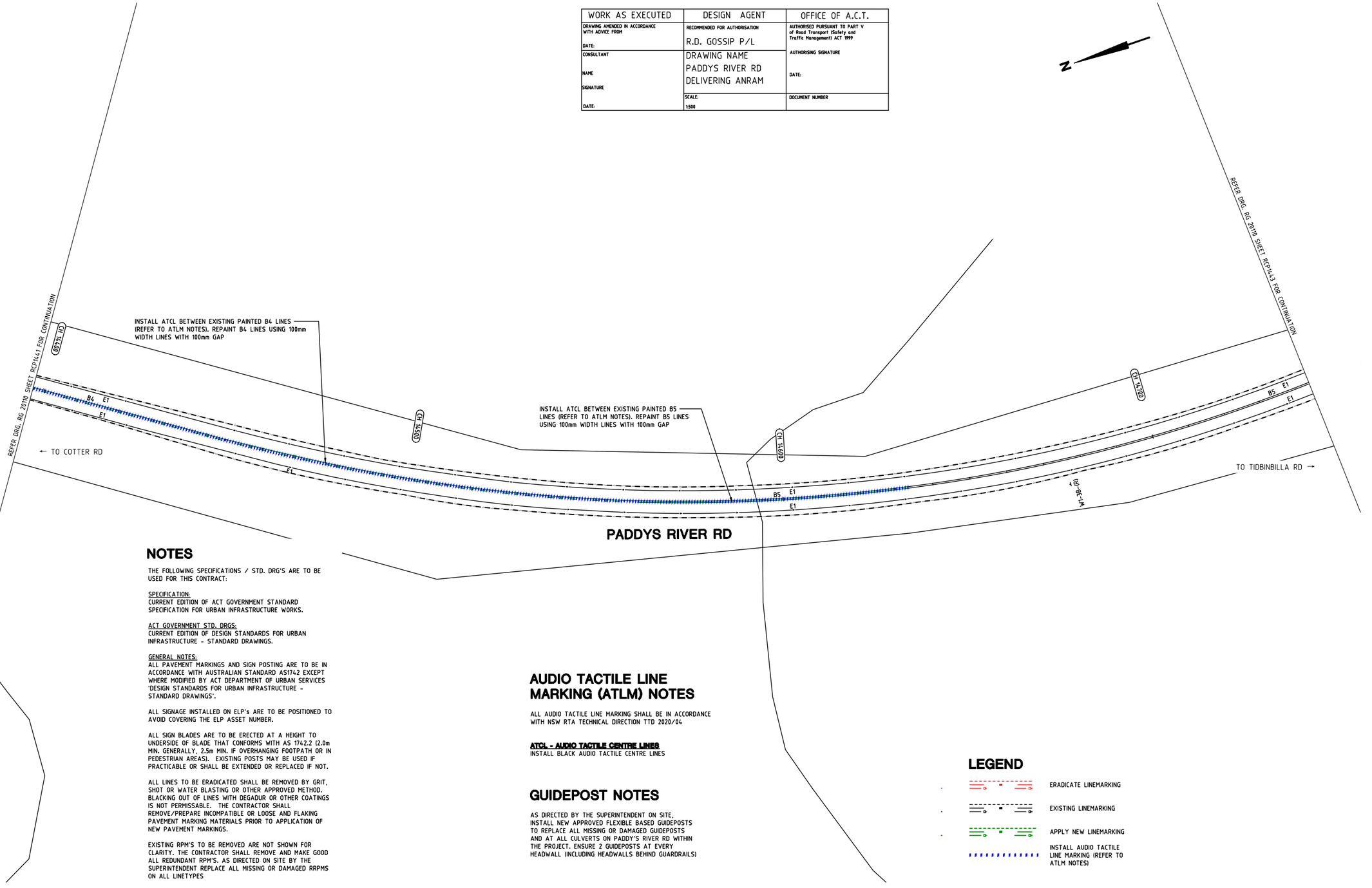
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 41 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1441	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

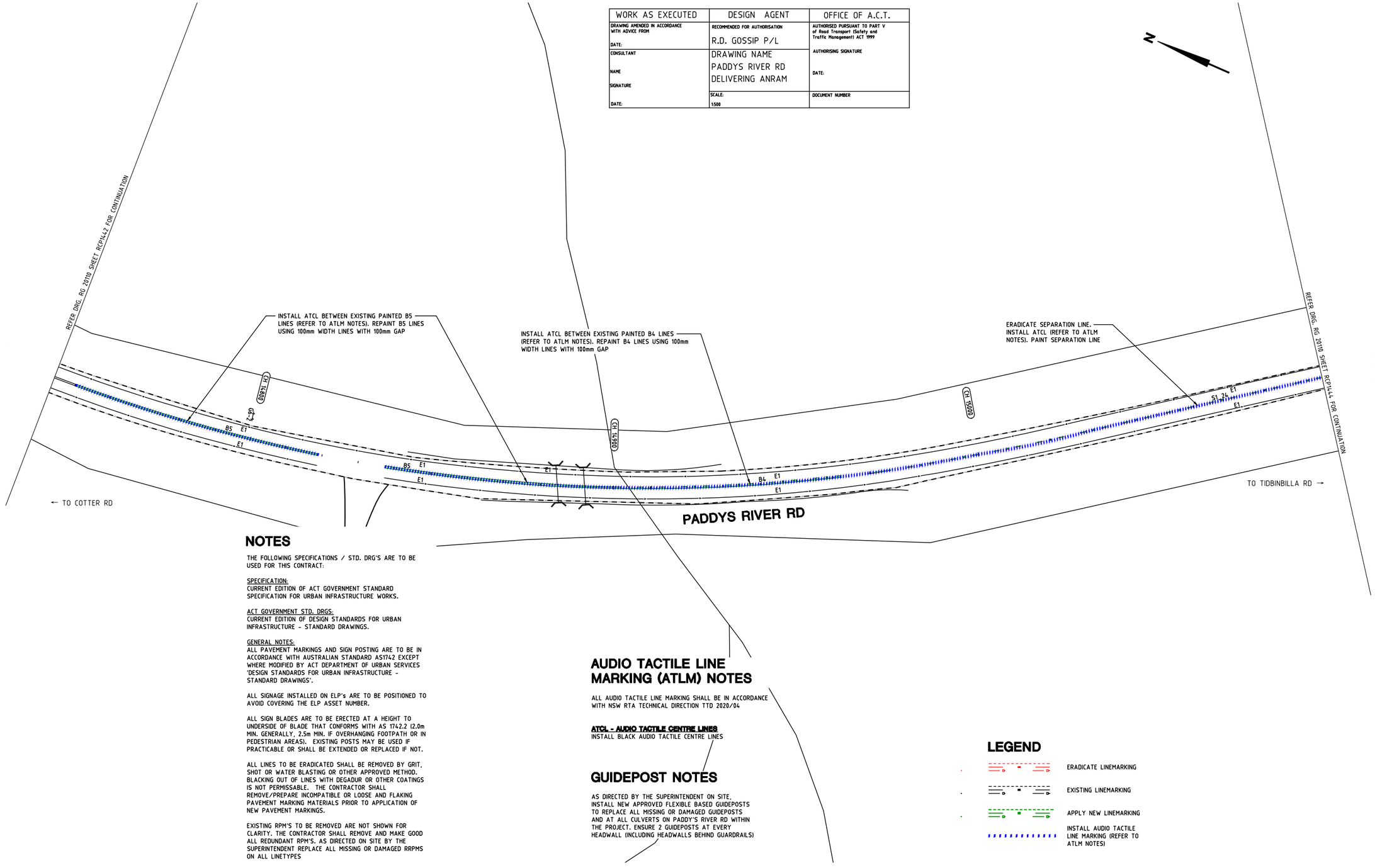
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 42 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1442	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6319

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

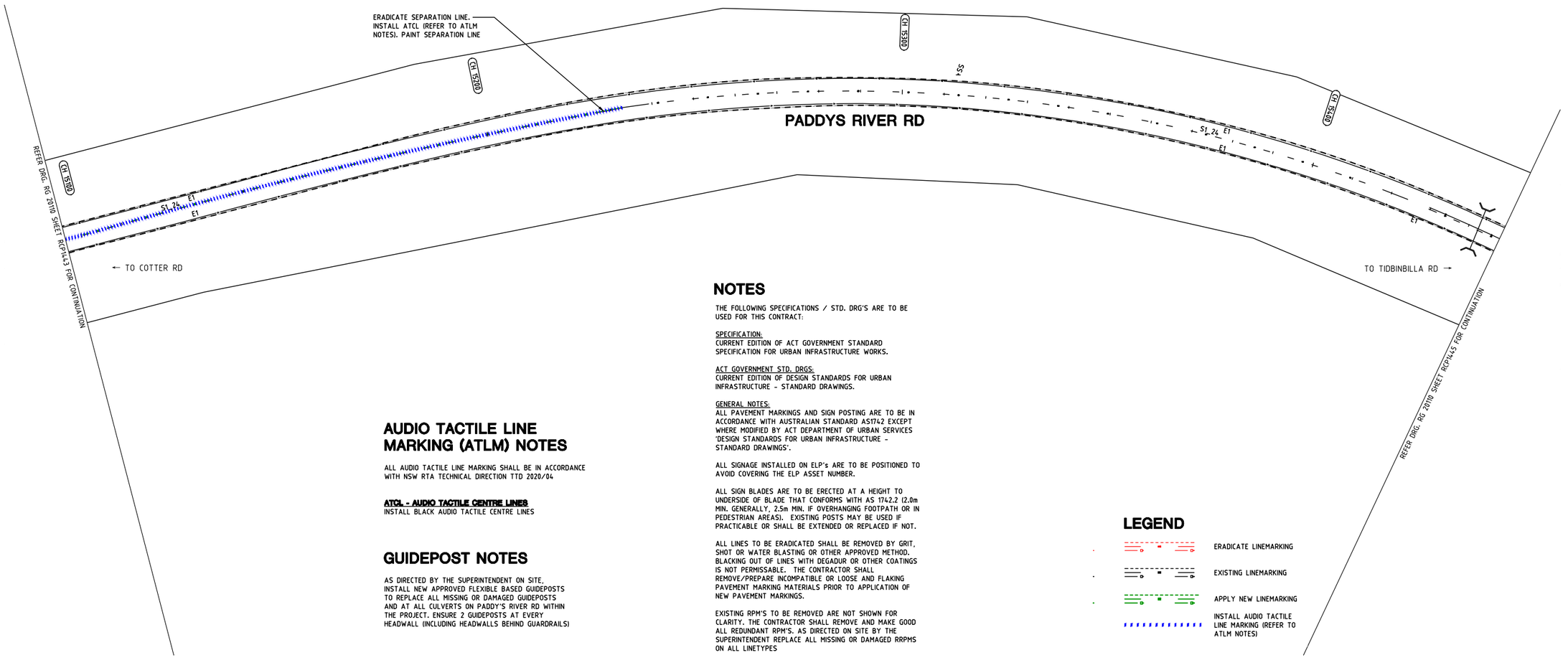
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 43 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1443	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

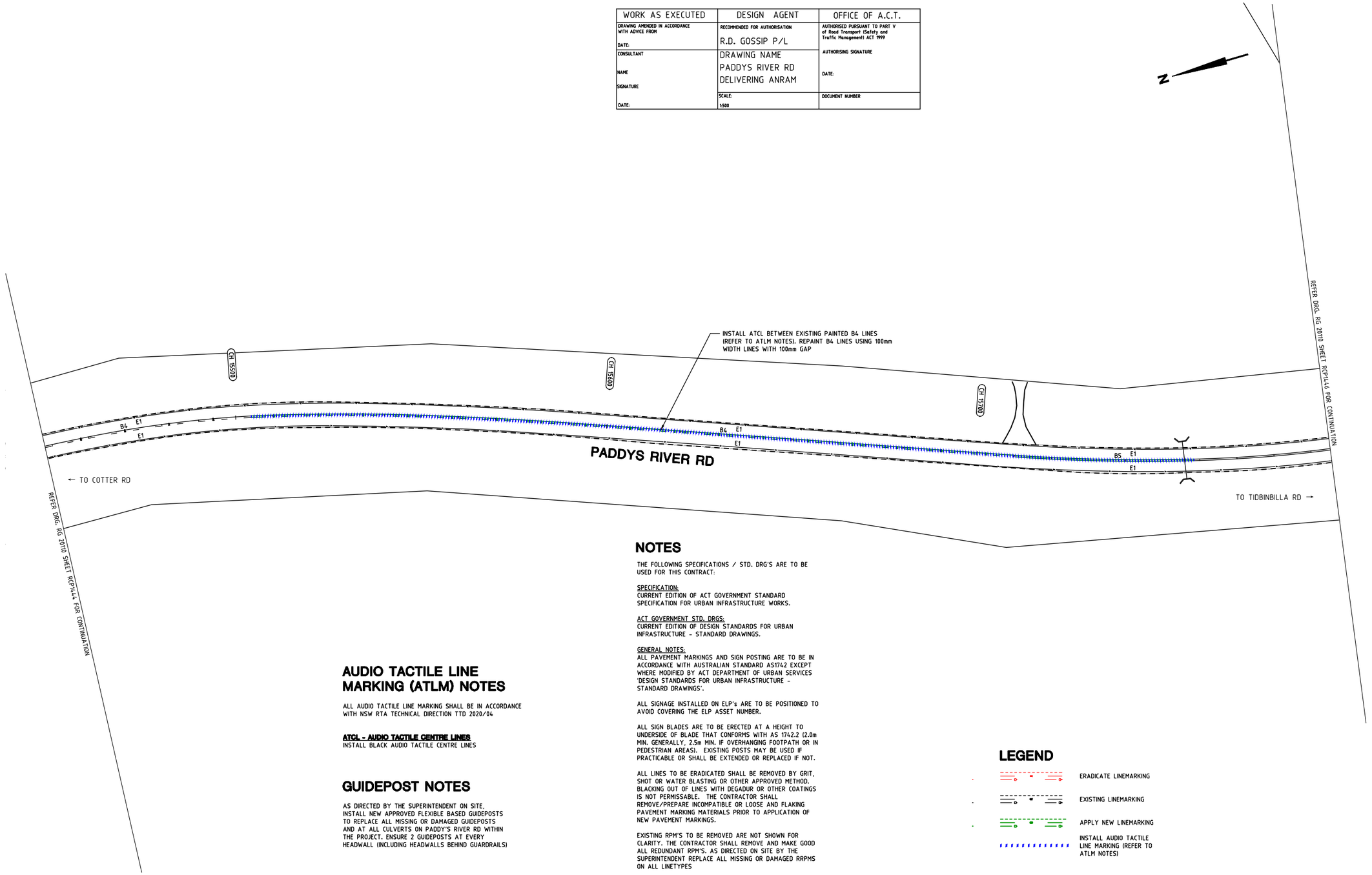
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 44 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1444	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by --
Drawn by
Checked by --
Approved by --

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

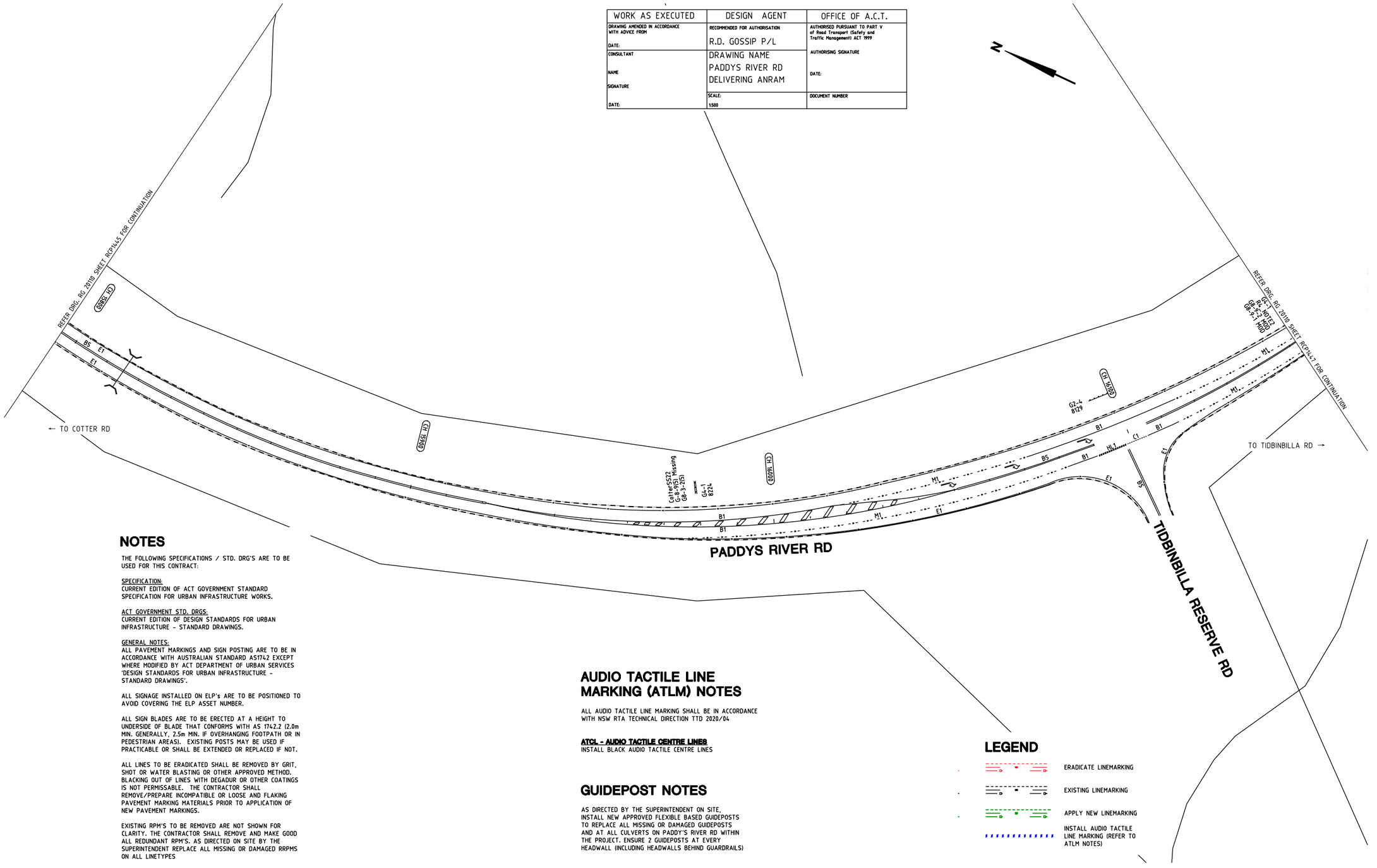
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 45 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1445	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

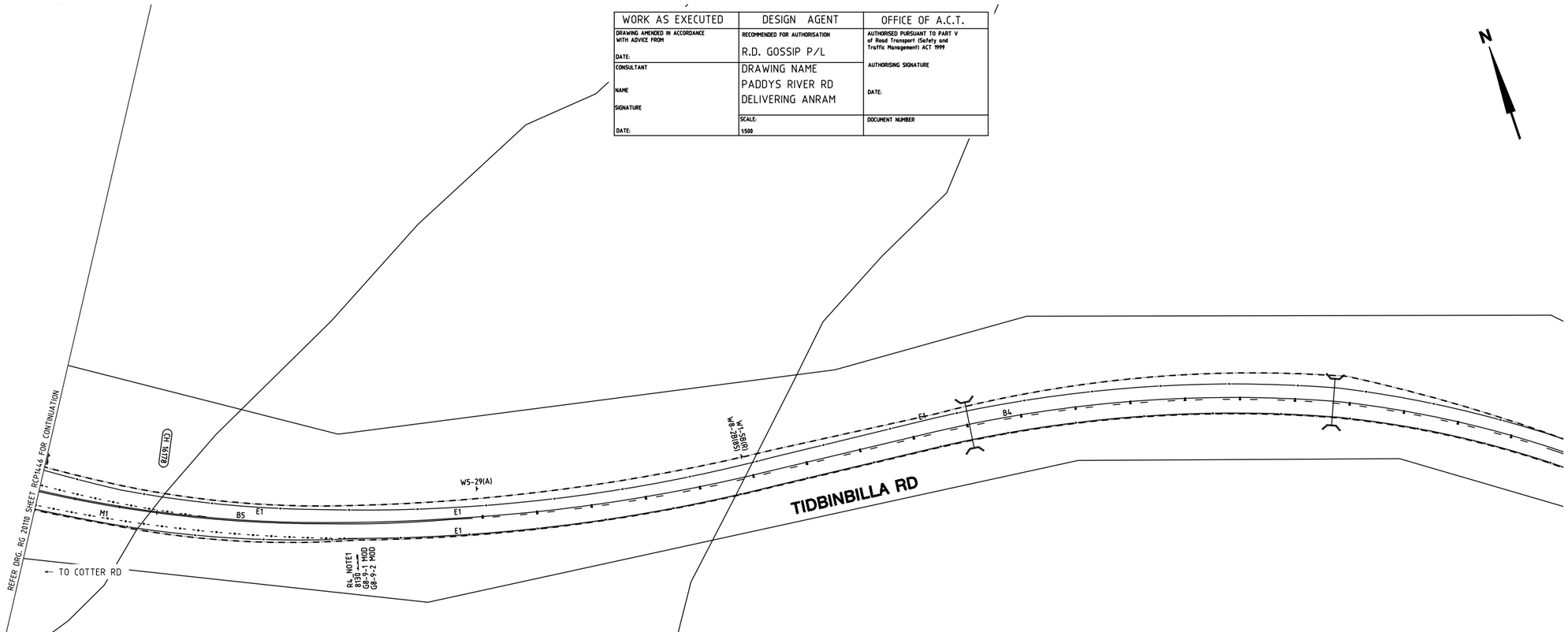
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 46 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1446	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

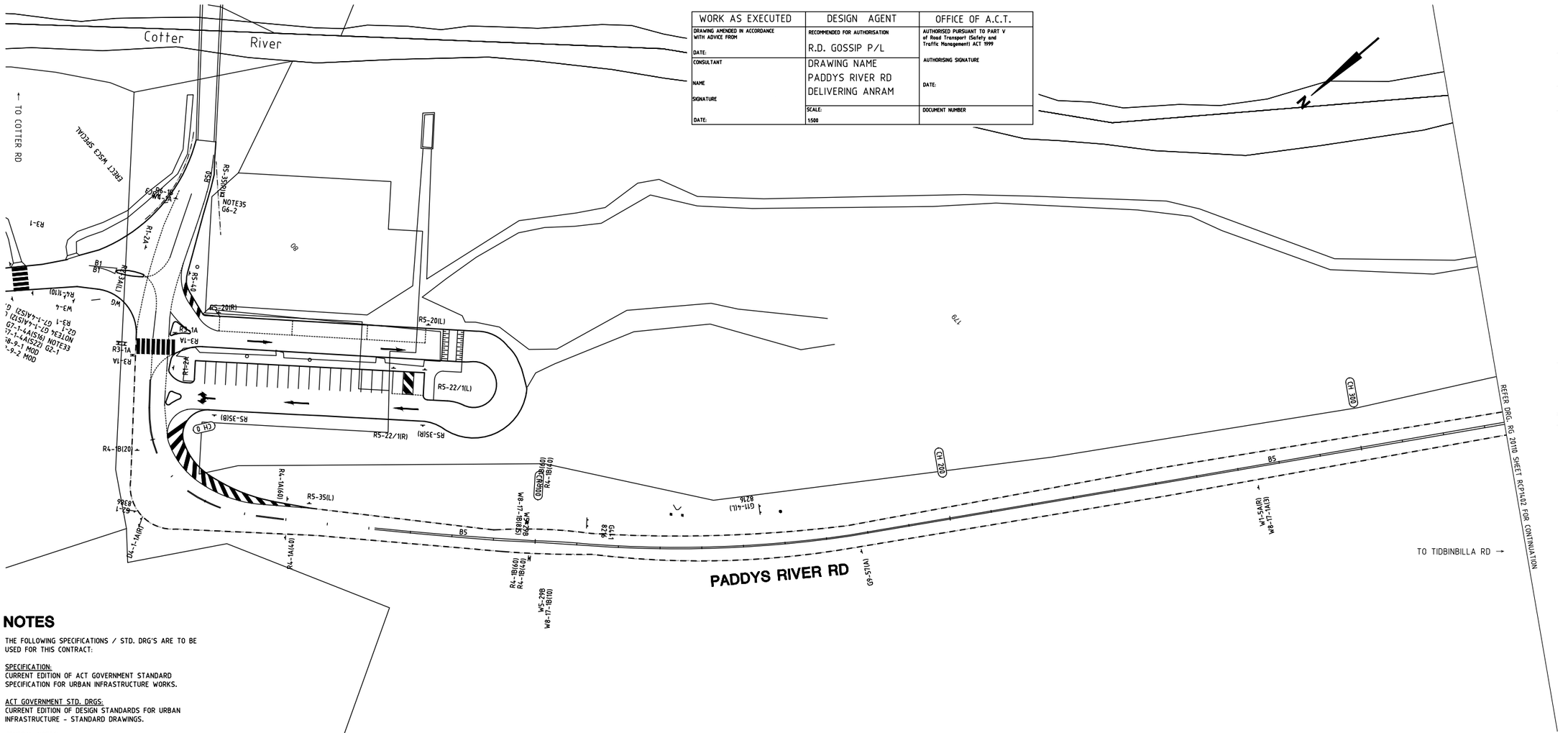
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 47 OF 47

Date 24/09/21
Drg. No. RG 20110
Sheet RCP1447
Revision 0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE: SCALE: 1:500 DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

ERADICATE LINEMARKING

EXISTING LINEMARKING

APPLY NEW LINEMARKING

INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent: R.D. Gossip Pty Ltd Consulting Engineers, Unit 120, 12 Provan Street, Campbell ACT 2612, Ph. 02 6251 6313

Designed by | Drawn by | Checked by | Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM
Date: 24/09/21

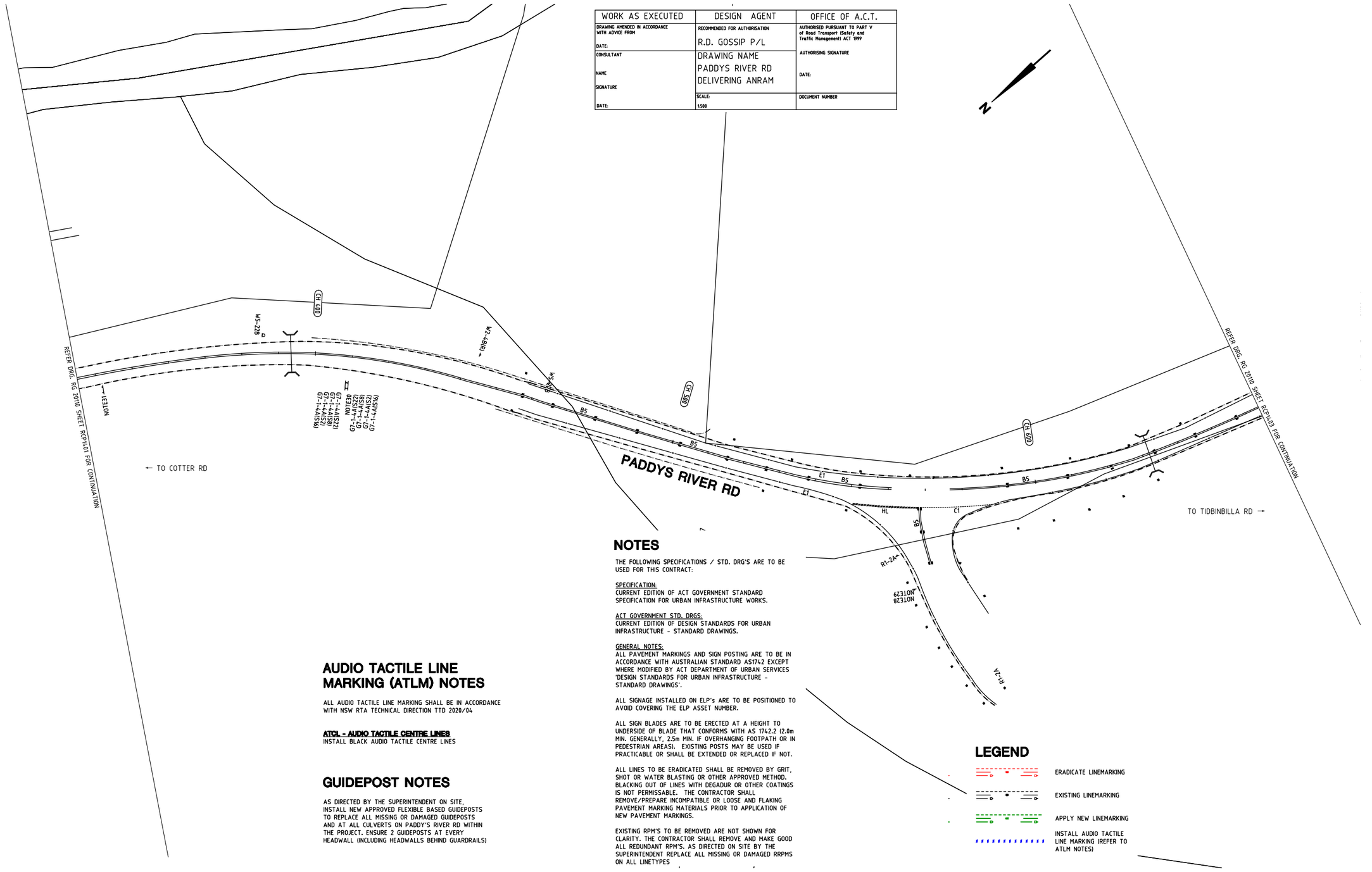
Drawing Title: PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 1 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1401	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

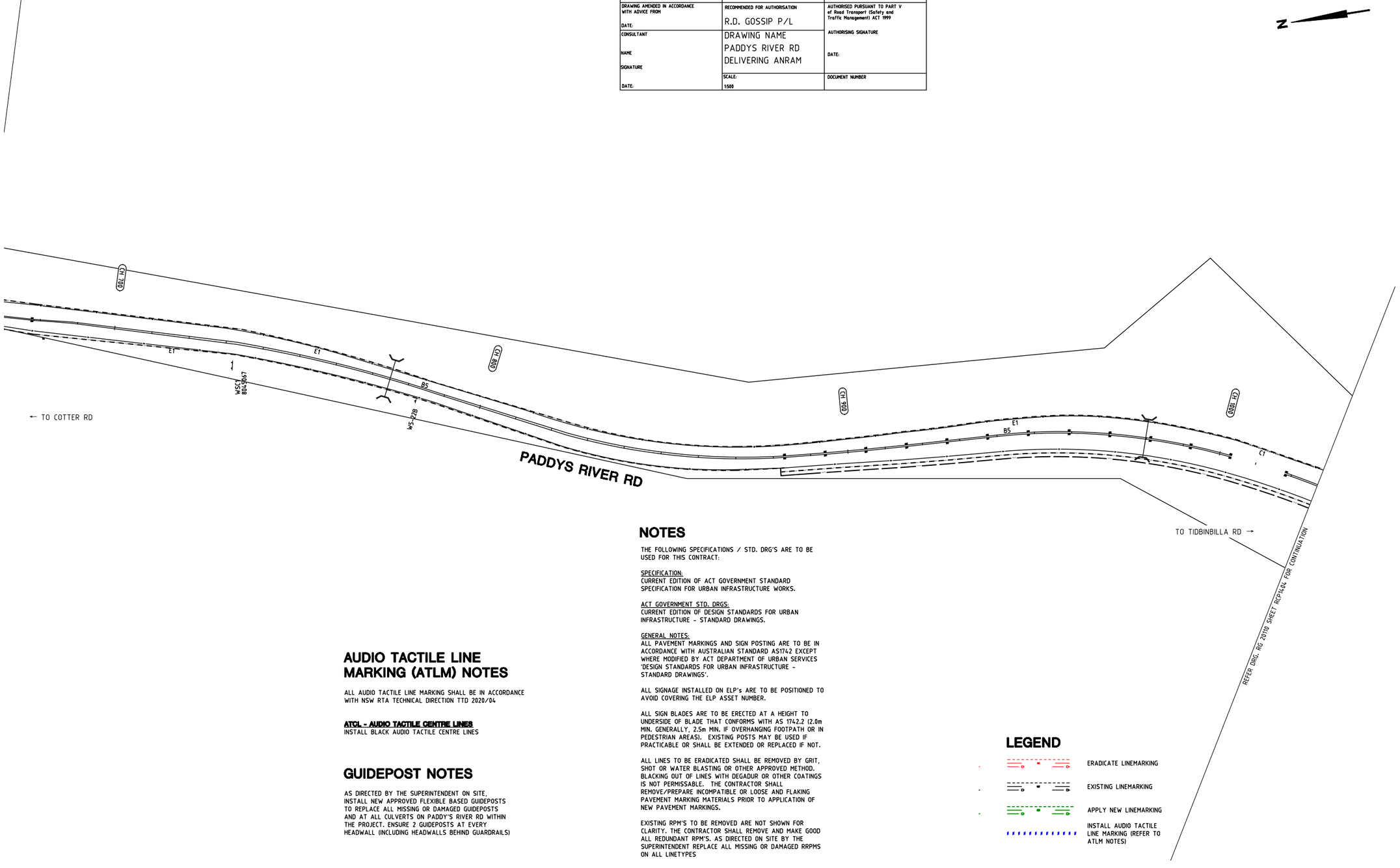
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 2 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1402	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

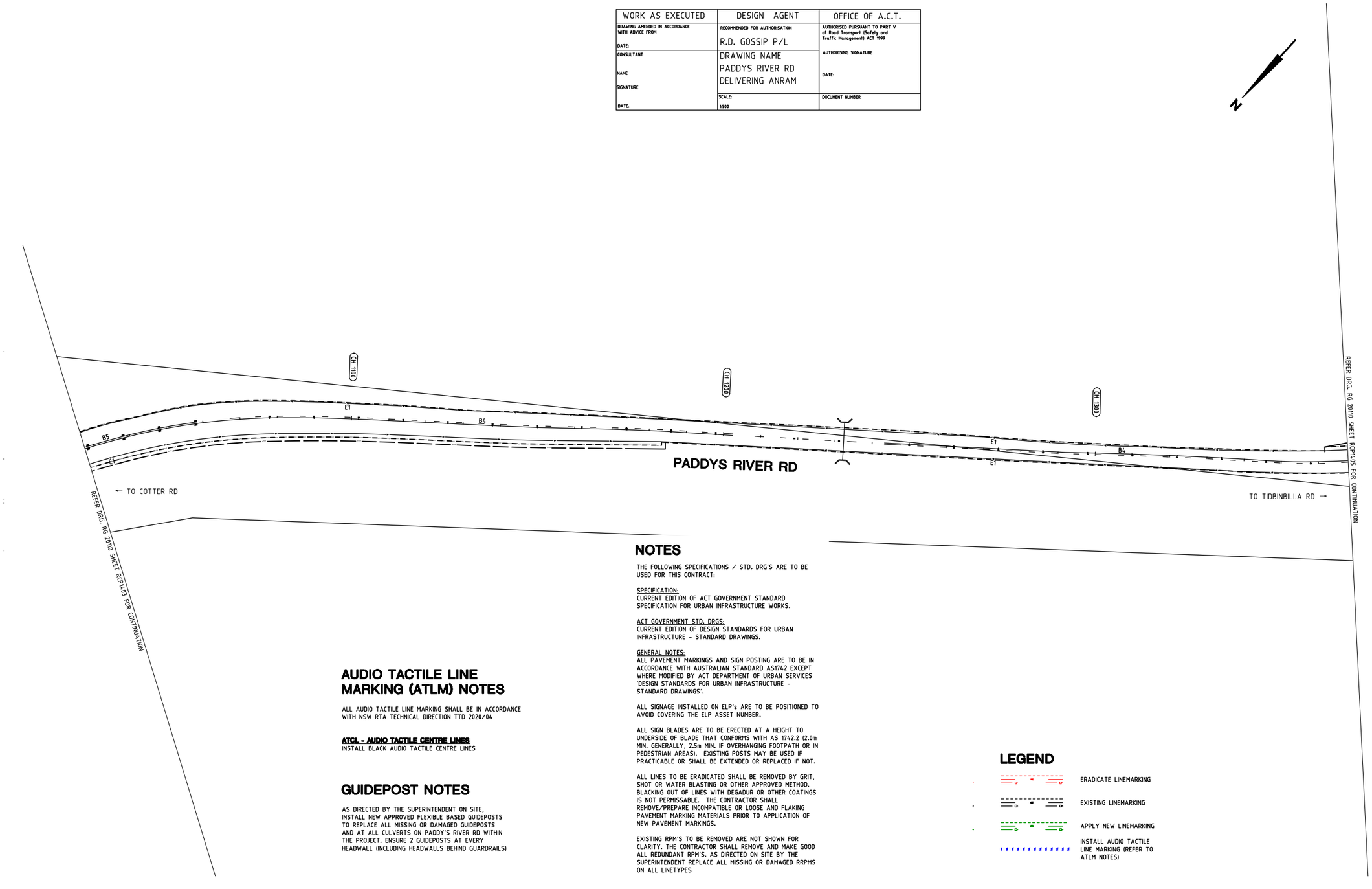
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 3 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1403	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

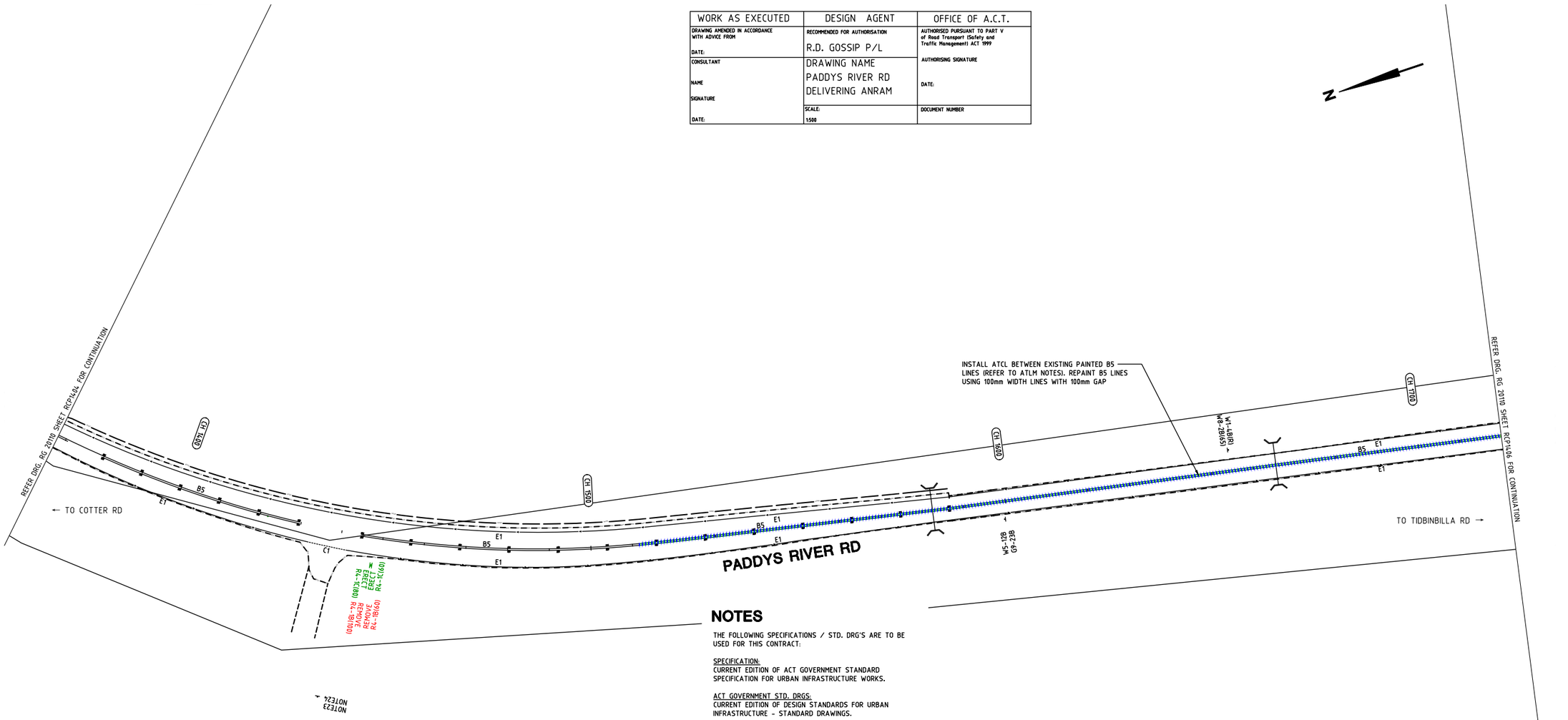
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 4 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1404	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGAOUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1(60)	SPEED LIMIT (60)	-	C	1
R4-1(80)	SPEED LIMIT (80)	-	C	1
SIGNS TO BE REMOVED				
R4-1(60)	SPEED LIMIT (60)	-	B	1
R4-1(80)	SPEED LIMIT (80)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent: R.D. Gossip Pty Ltd, Consulting Engineers, Unit 129, 12 Provan Street, Campbell ACT 2612, Ph: 02 6251 6313

Designed by | Drawn by | Checked by | Approved by

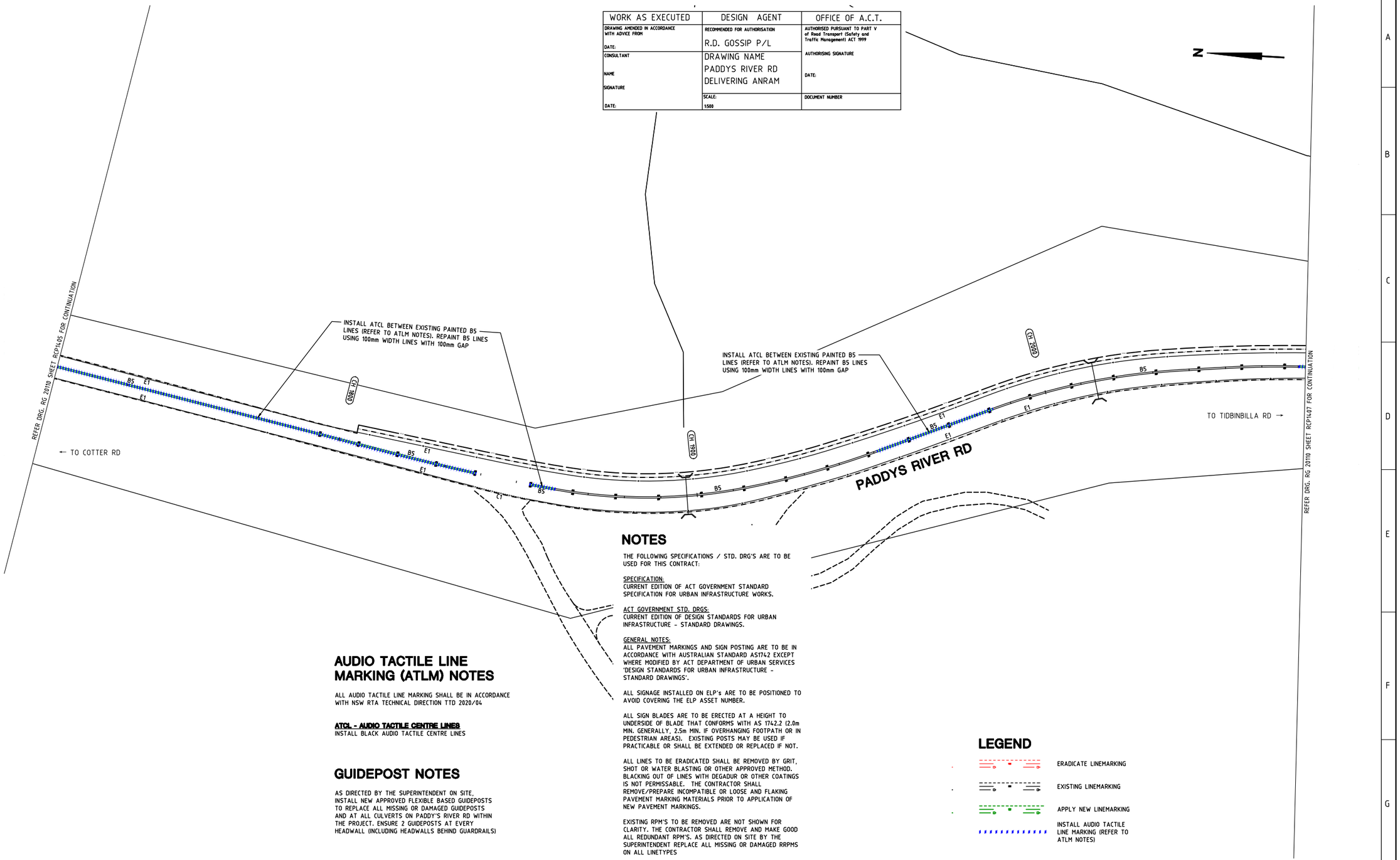
Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM
Date: 24/09/21

Drawing Title: PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 5 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1405	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

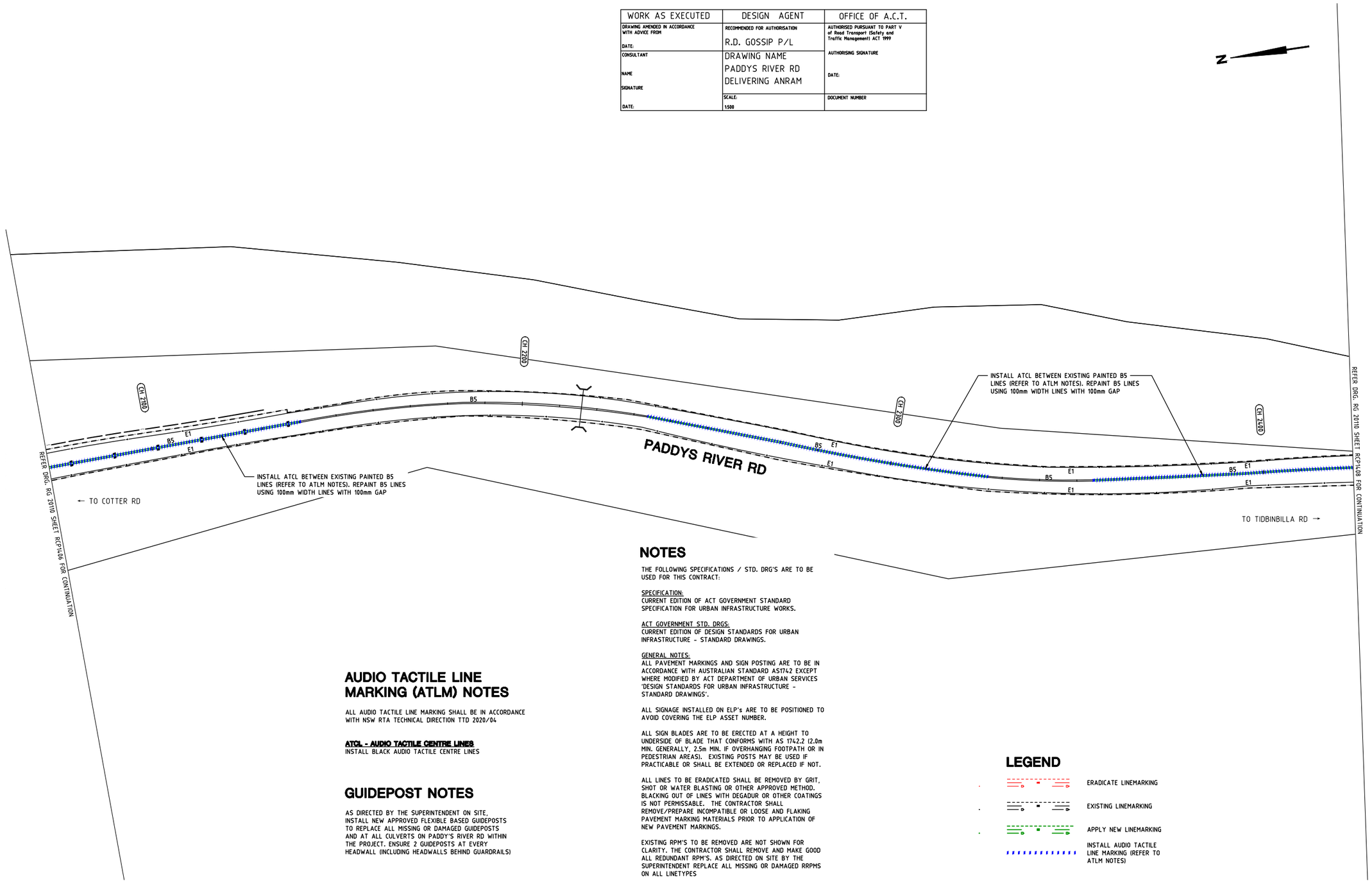
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 6 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1406	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

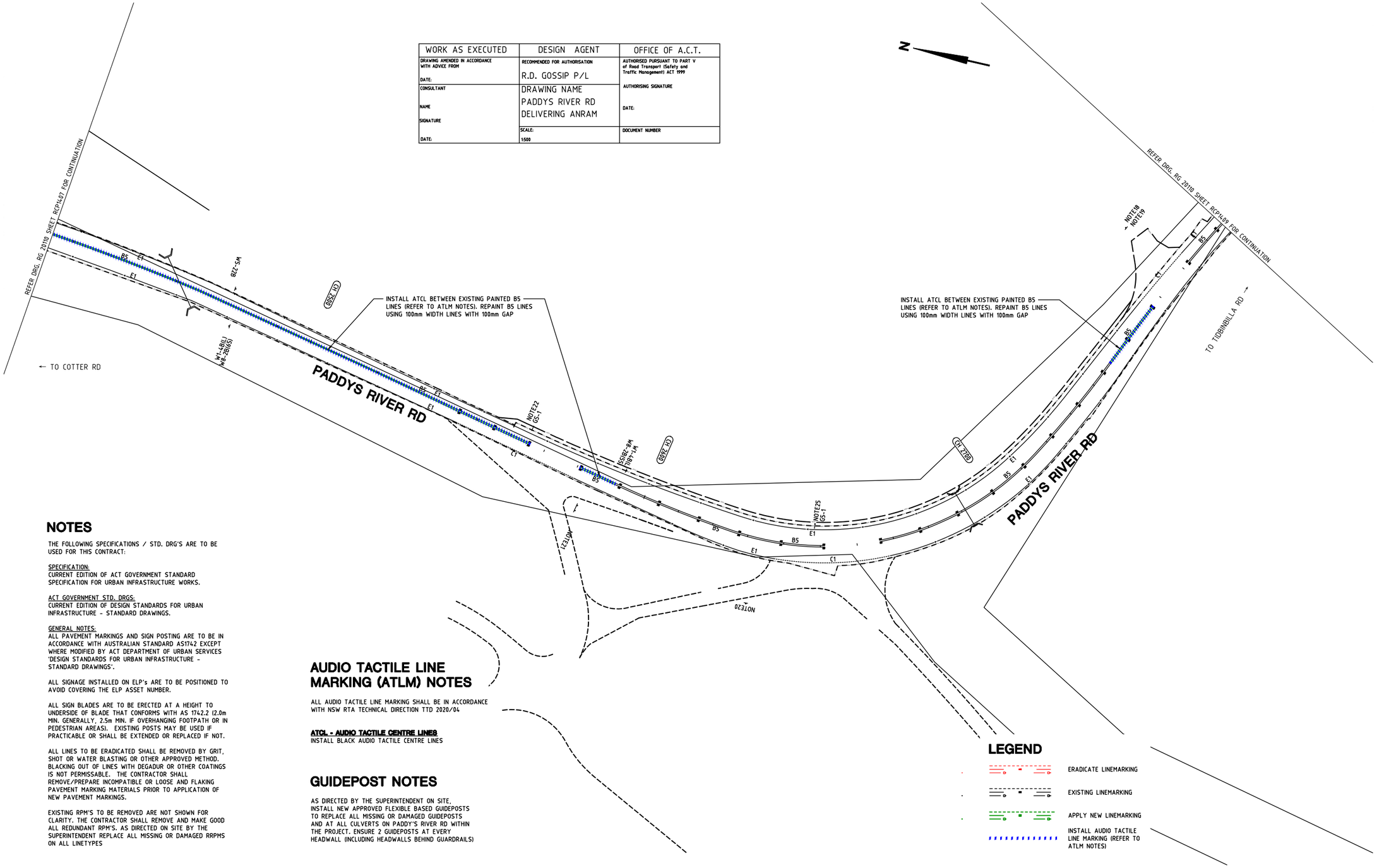
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 7 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1407	0

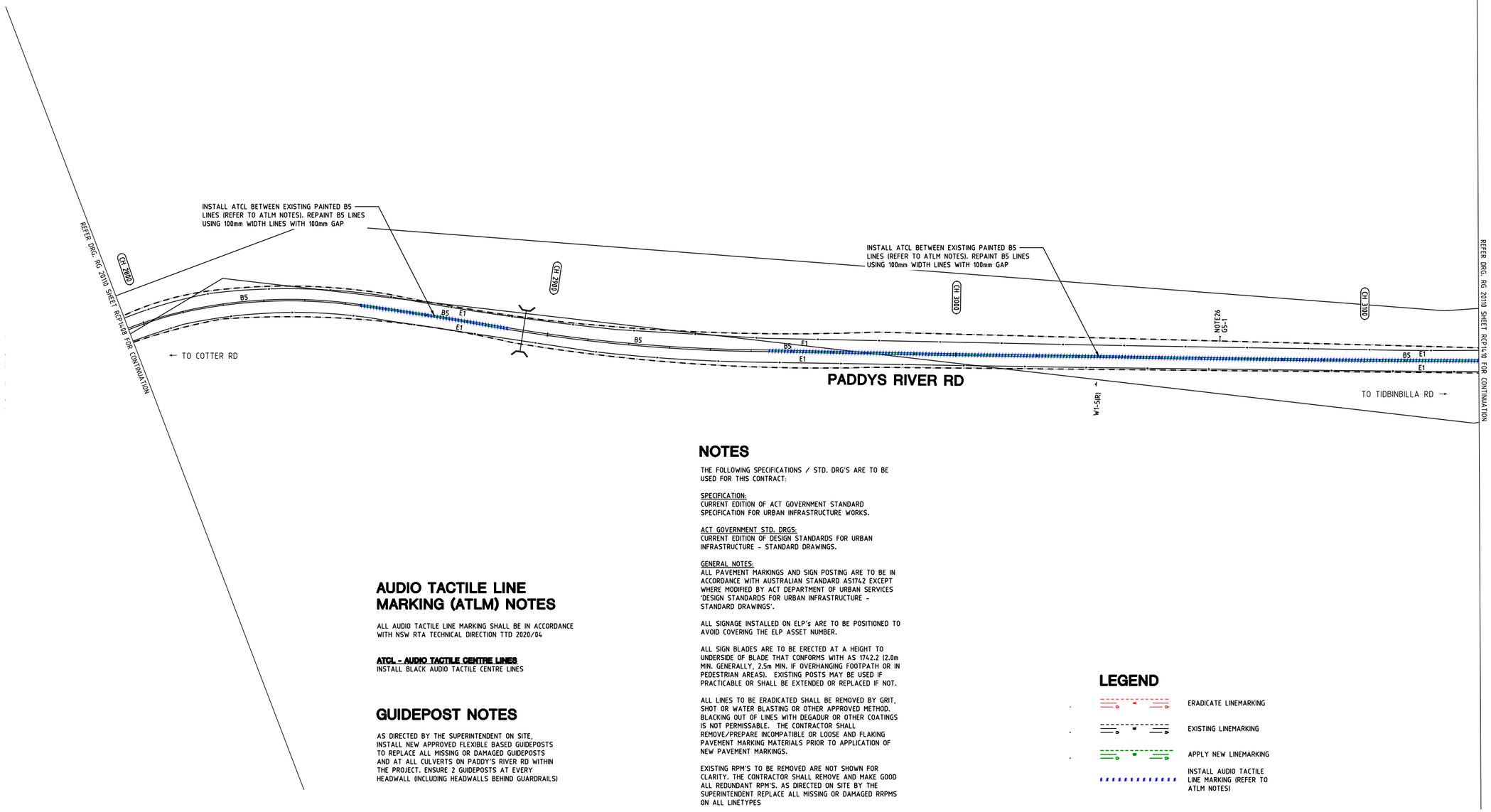
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

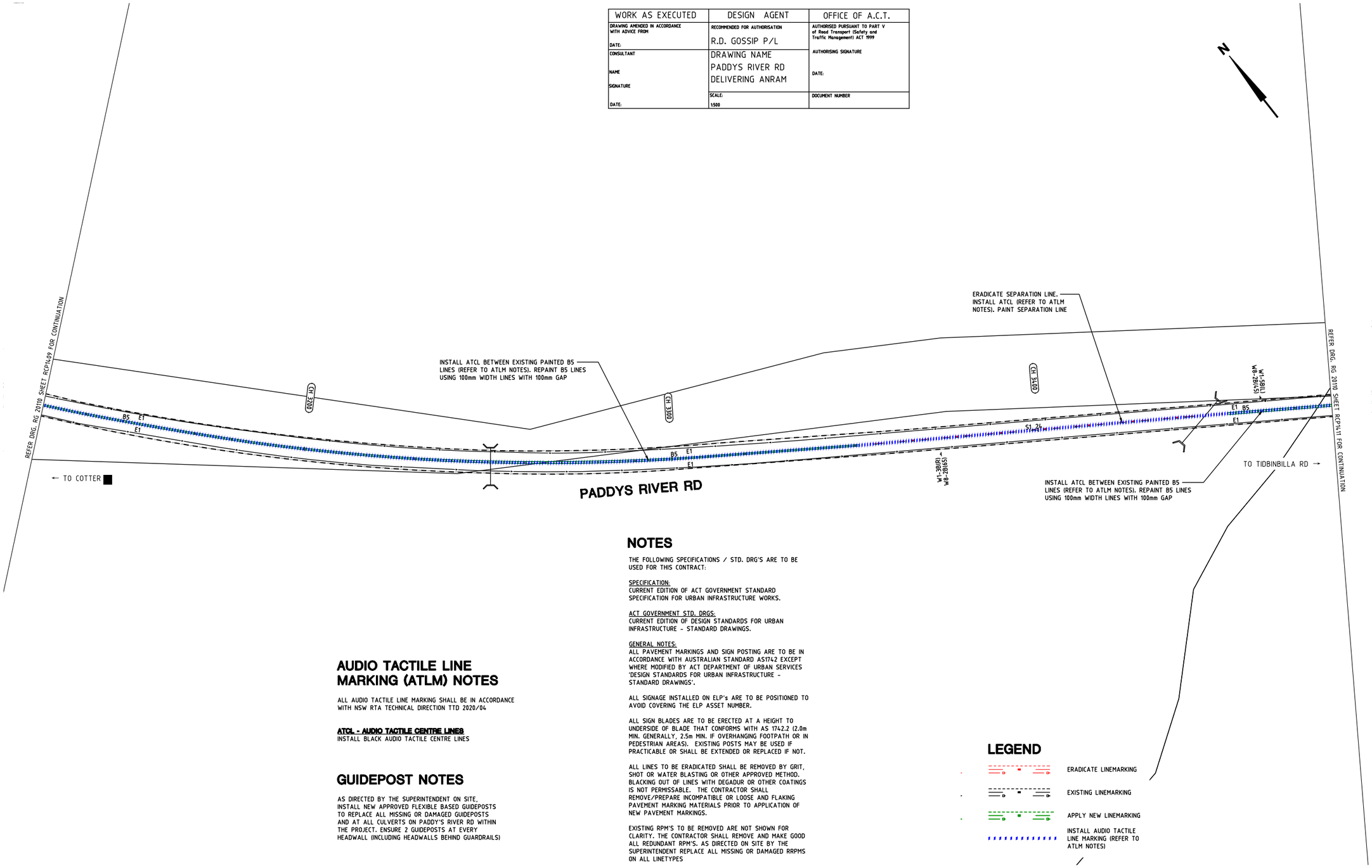
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 9 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1409	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

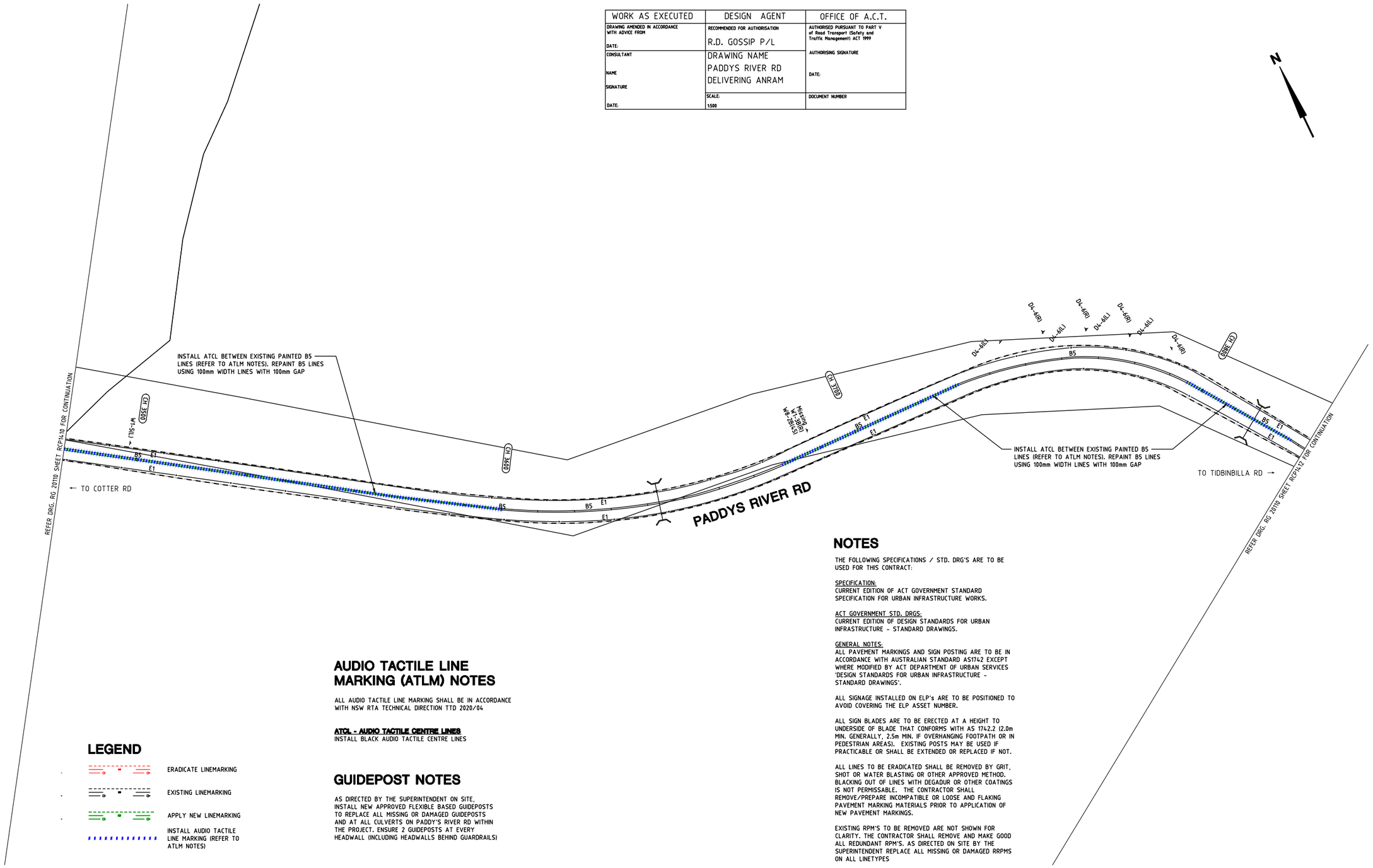
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 10 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1410	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

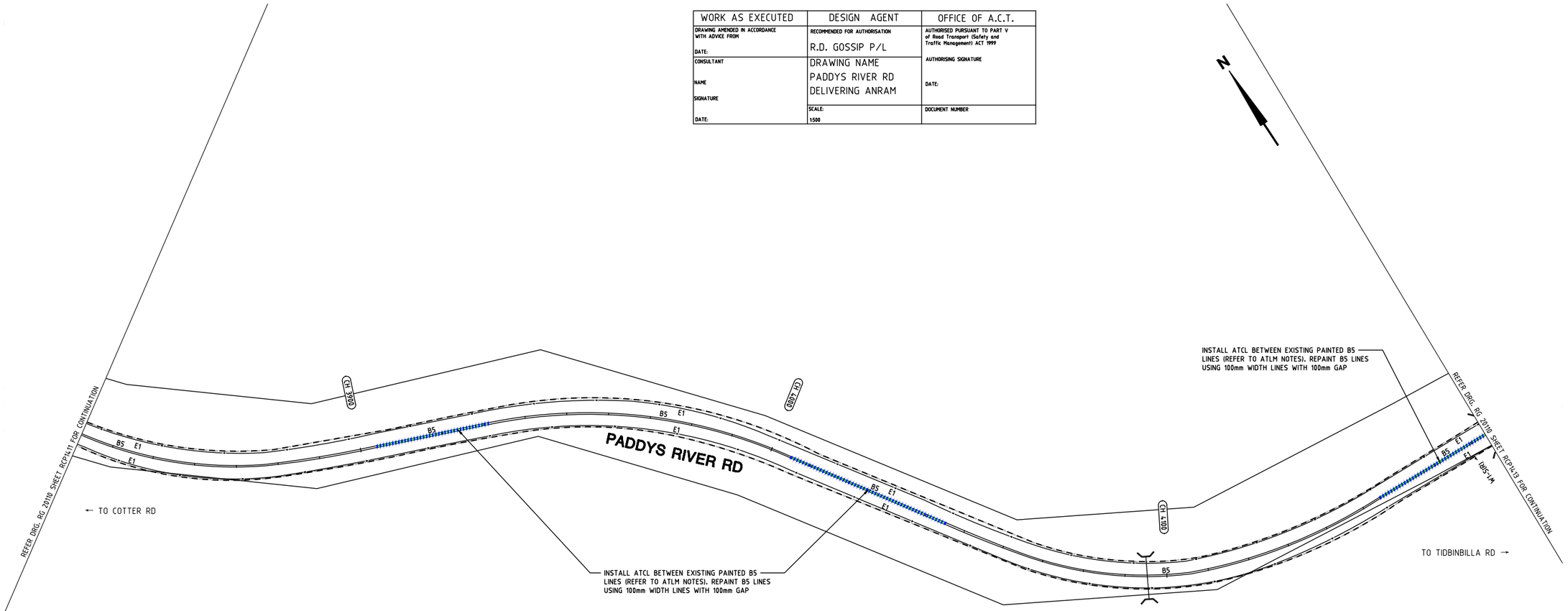
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 11 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1411	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

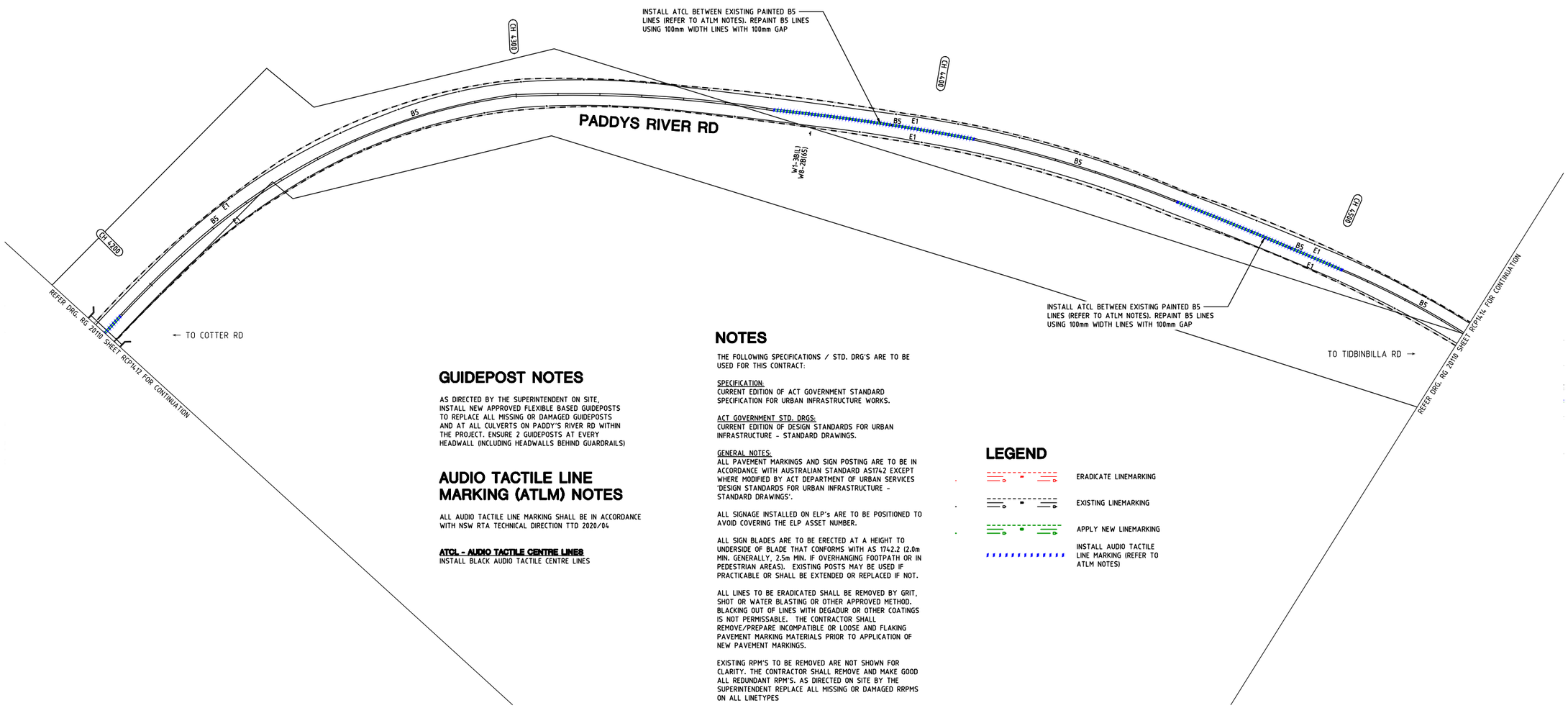
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 12 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1412	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

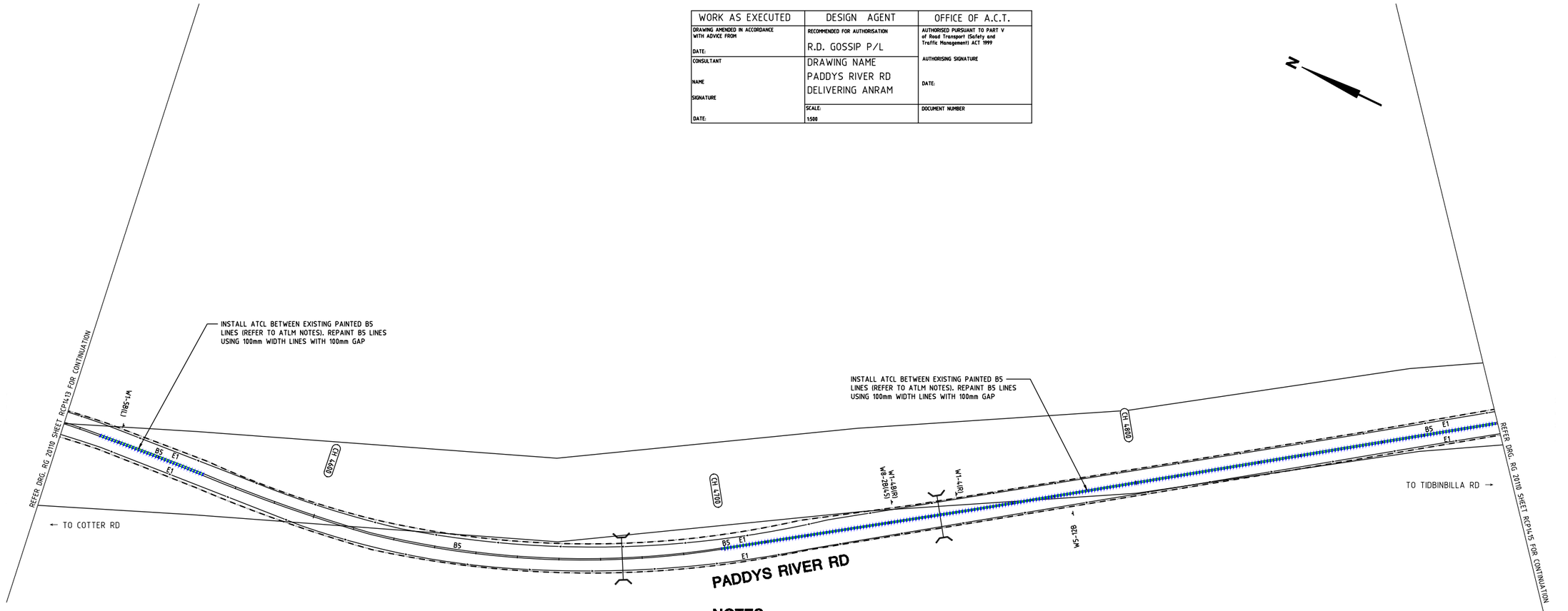
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 13 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1413	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

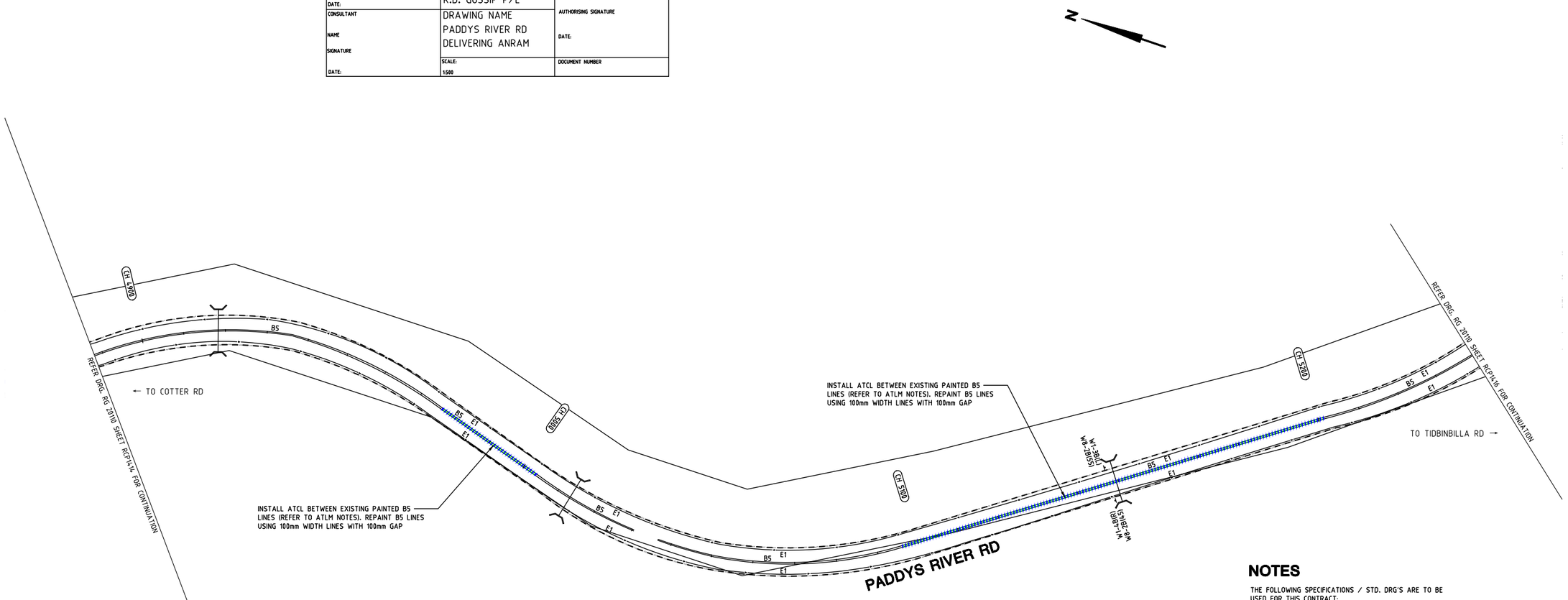
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 14 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1414	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by --
Drawn by --
Checked by --
Approved by --

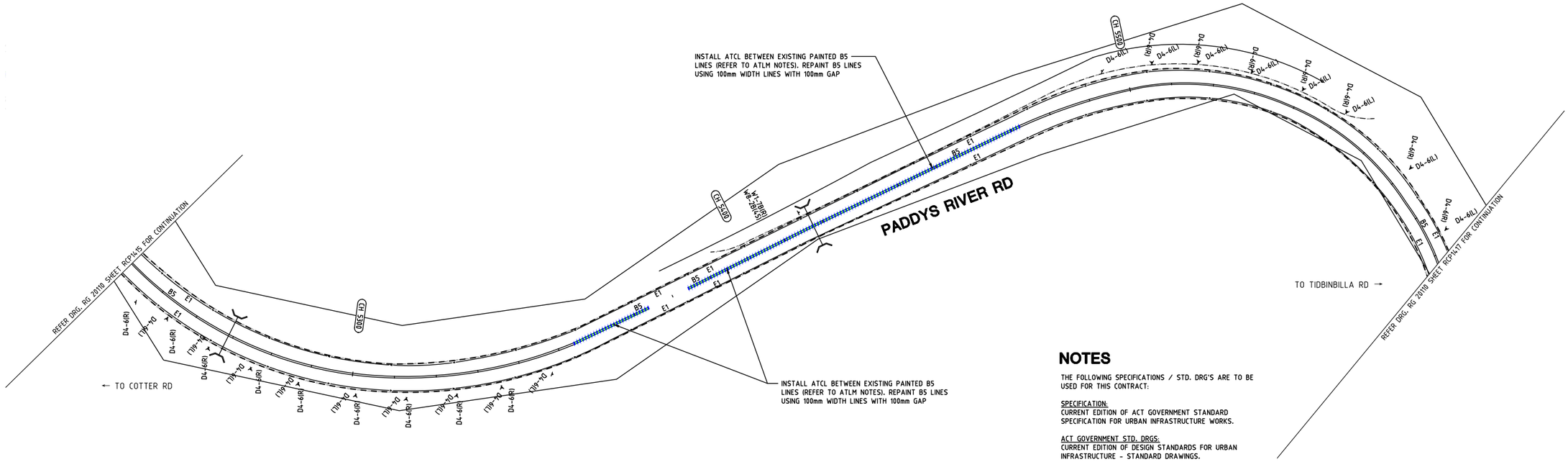
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 15 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1415	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

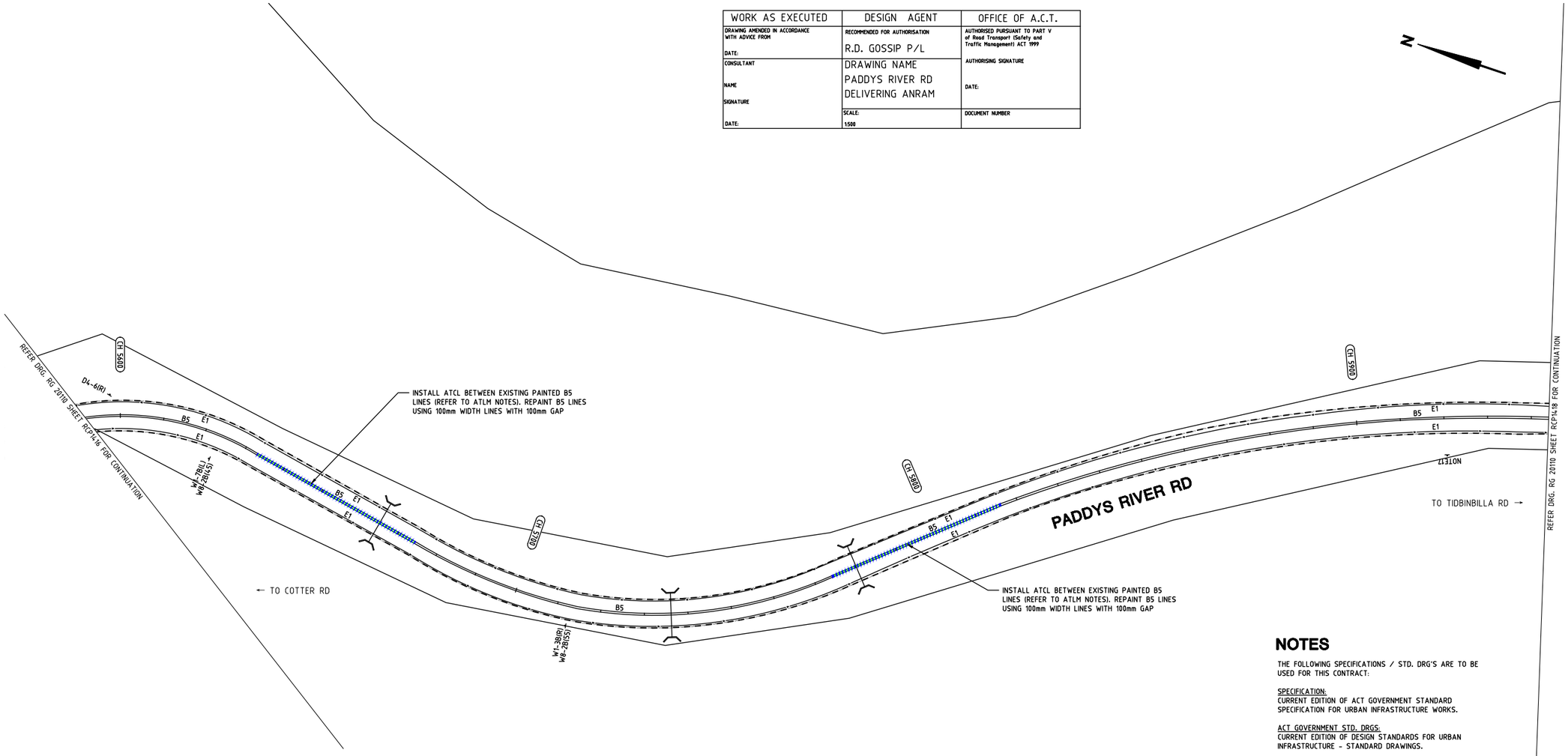
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 16 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1416	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

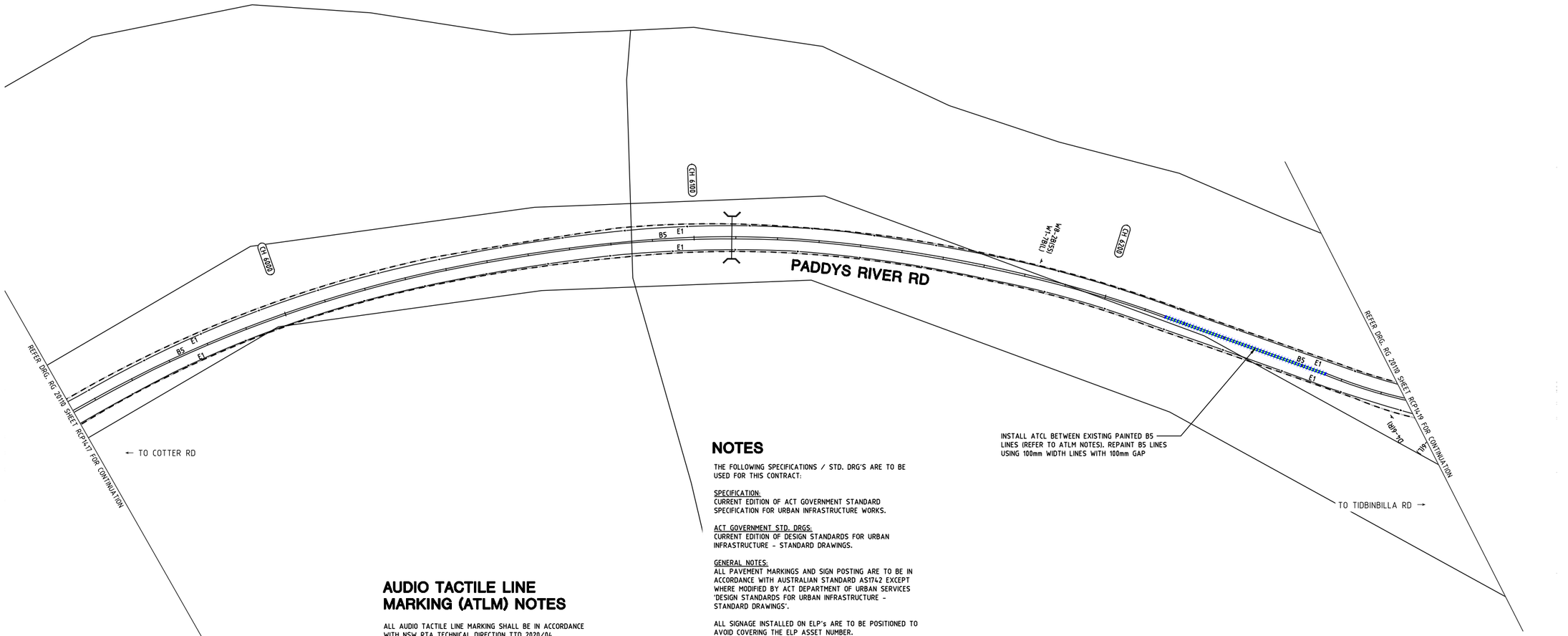
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 17 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1417	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

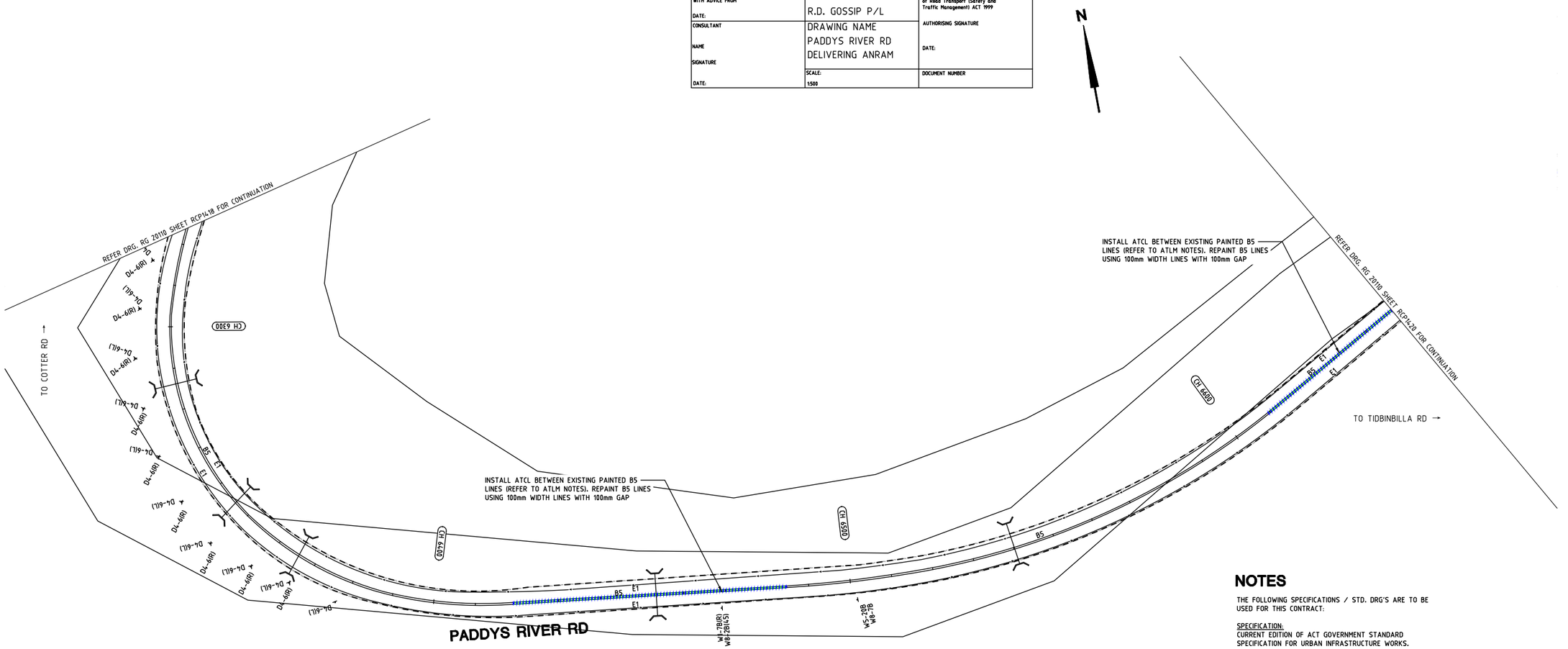
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 18 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1418	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 19 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1419	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

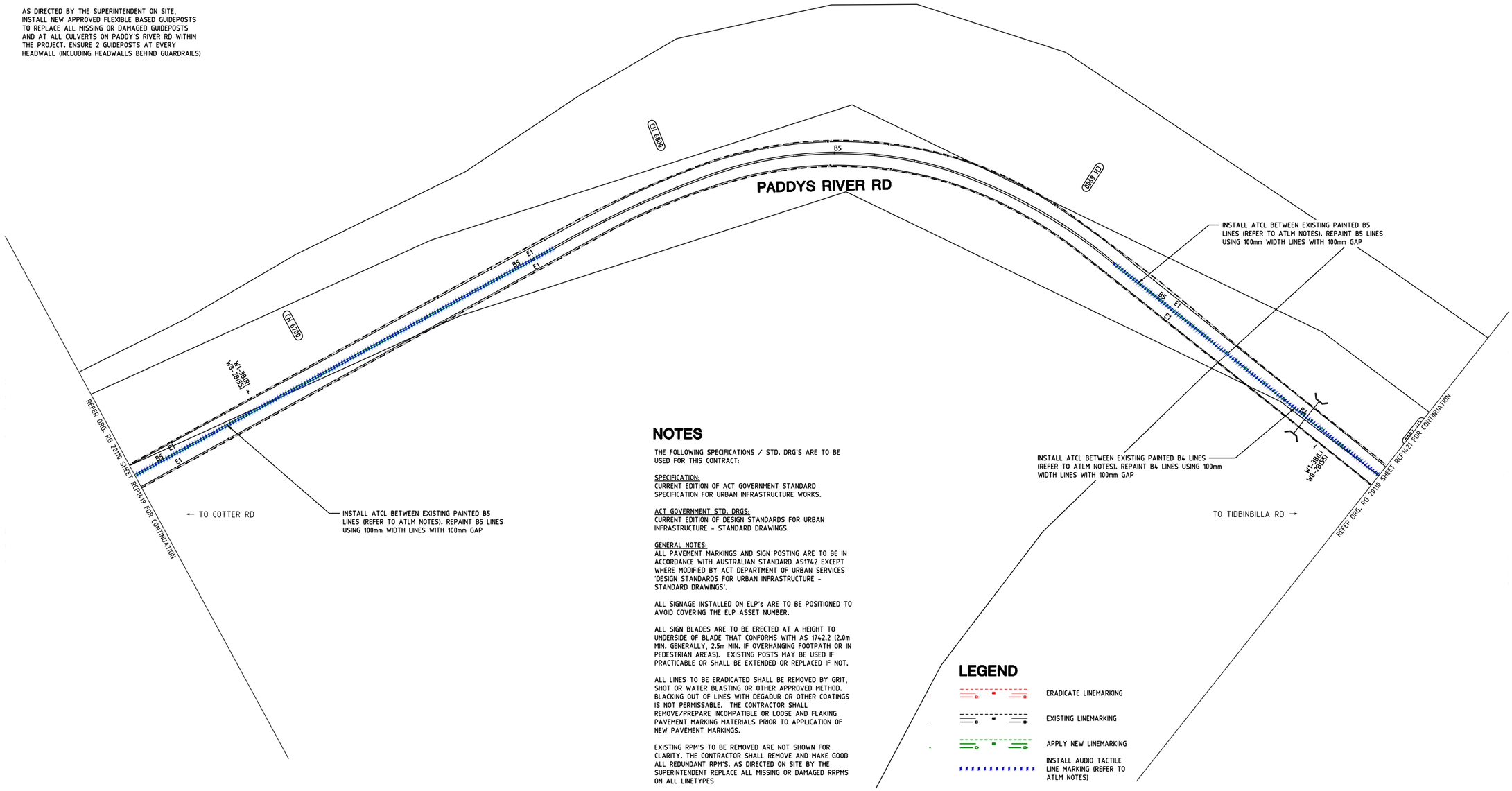
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

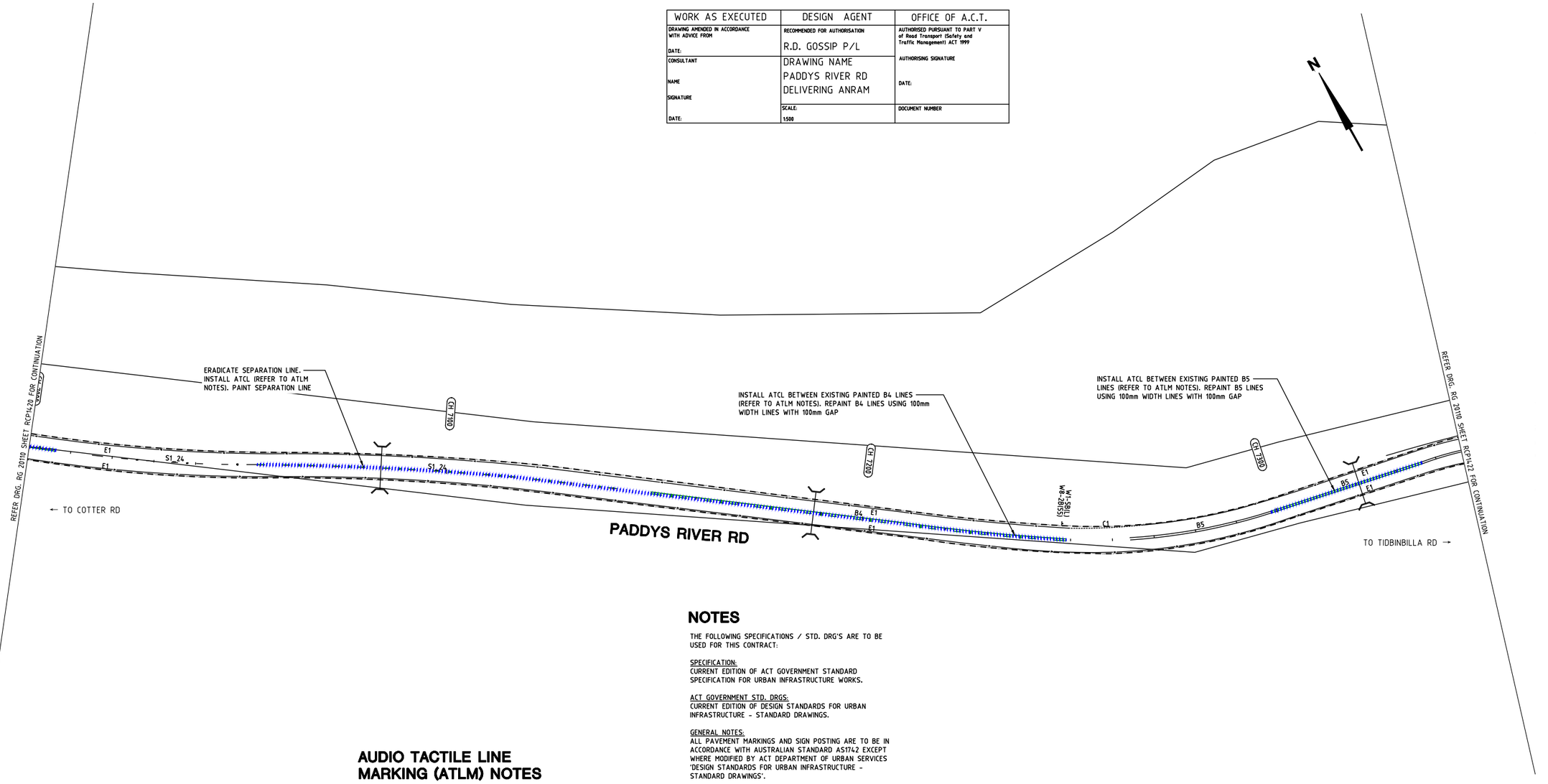
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 20 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1420	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6319

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 21 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1421	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

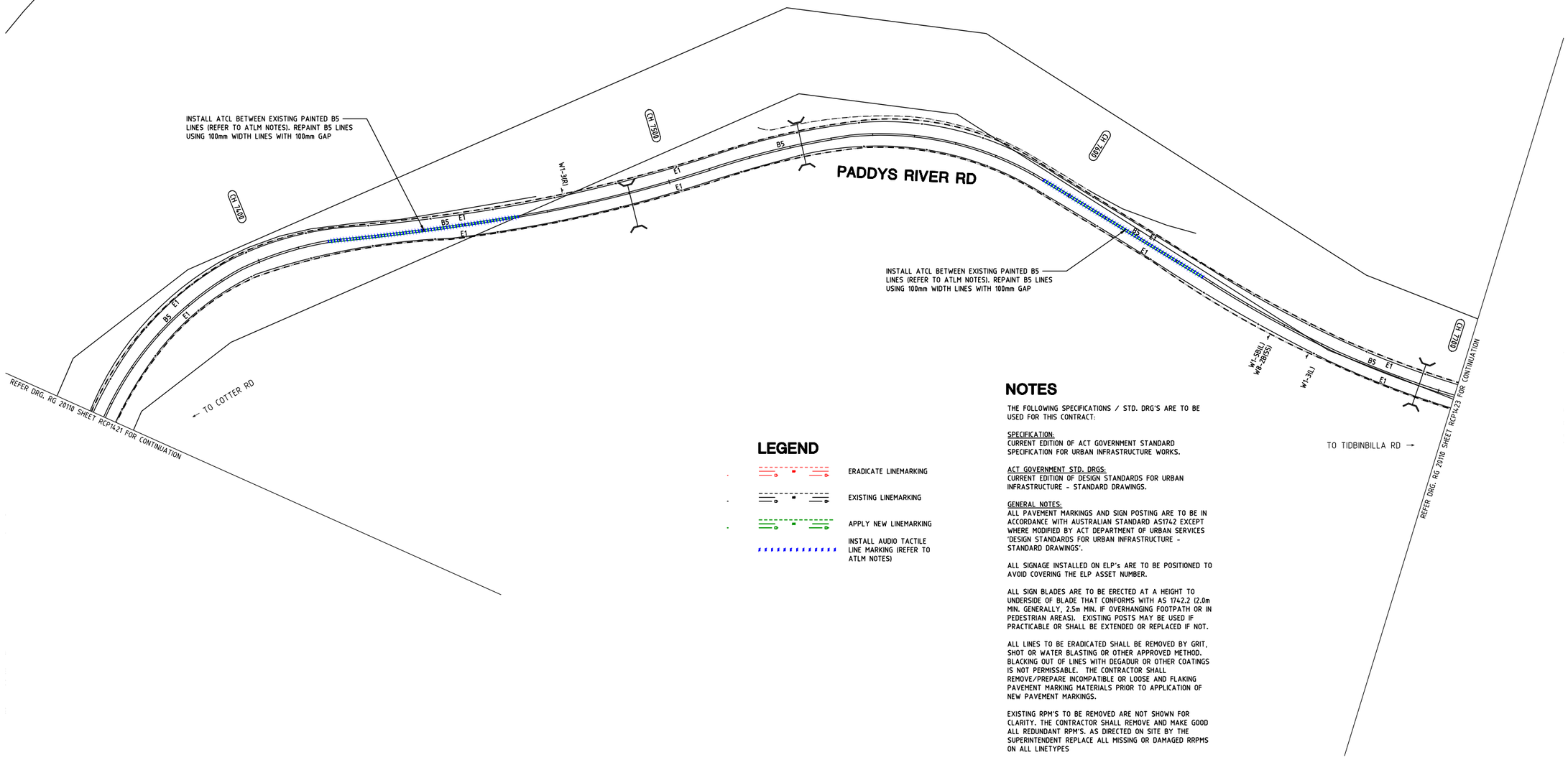
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGAOUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

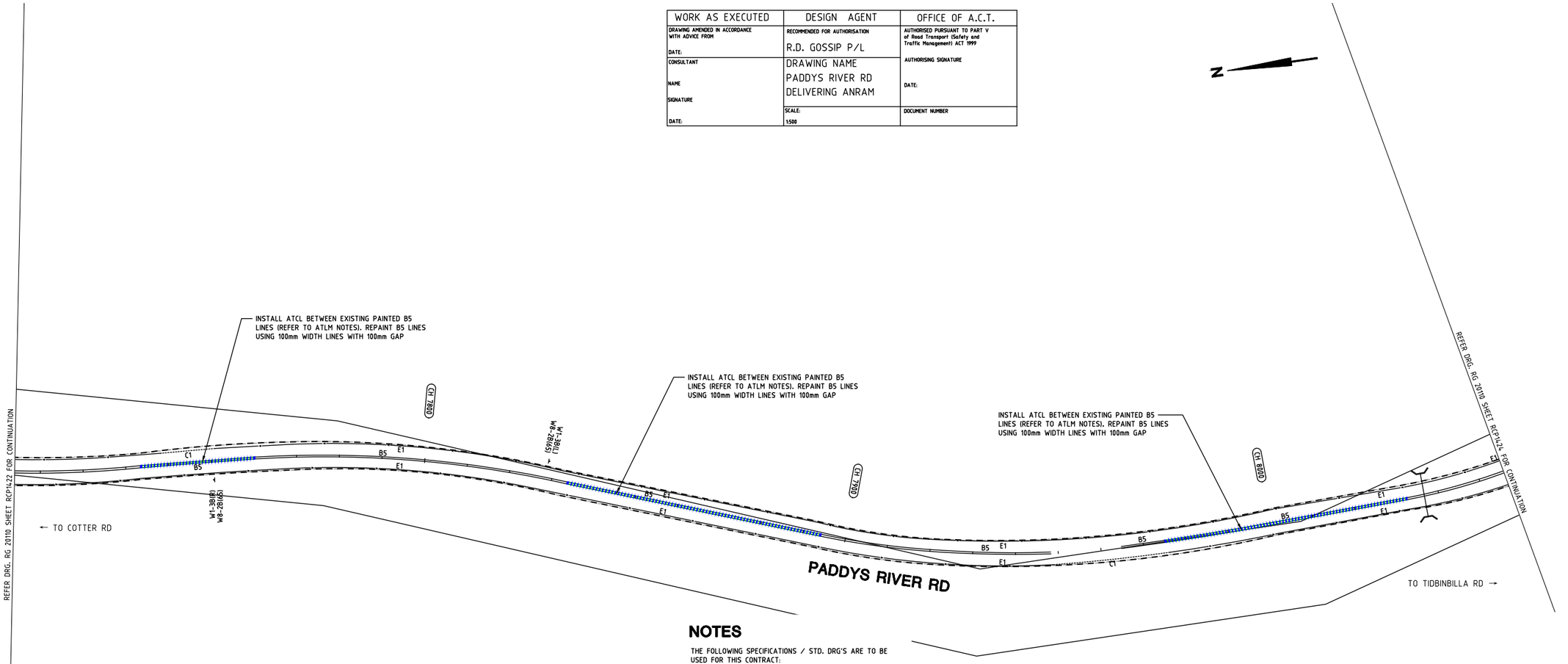
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 22 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1422	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGAOUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6319

Designed by
Drawn by
Checked by
Approved by

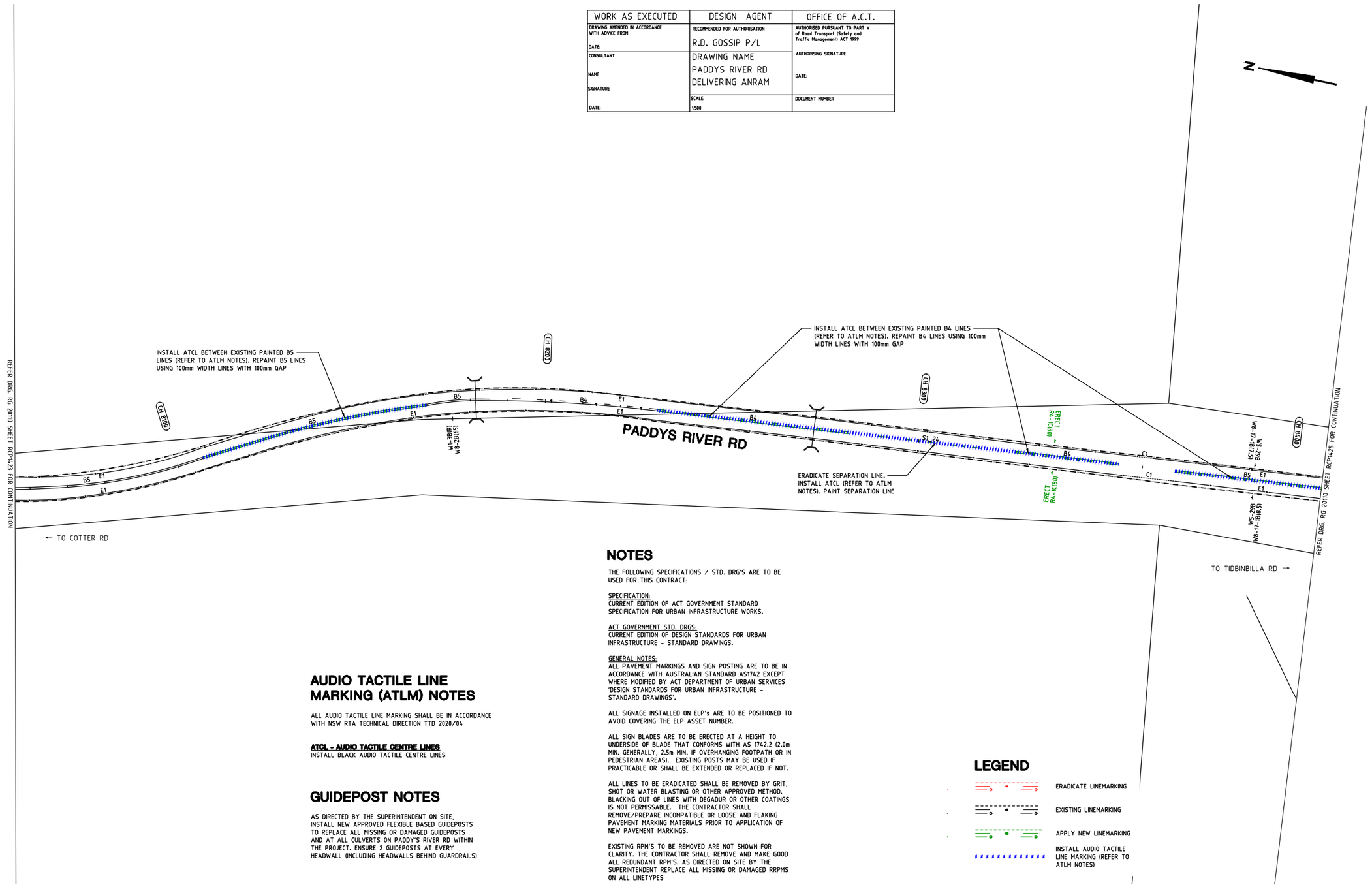
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 23 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1423	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE.
INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S, AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF:
SIGNS TO BE ERECTED				
R4-1(80)	SPEED LIMIT (80)	-	C	2
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

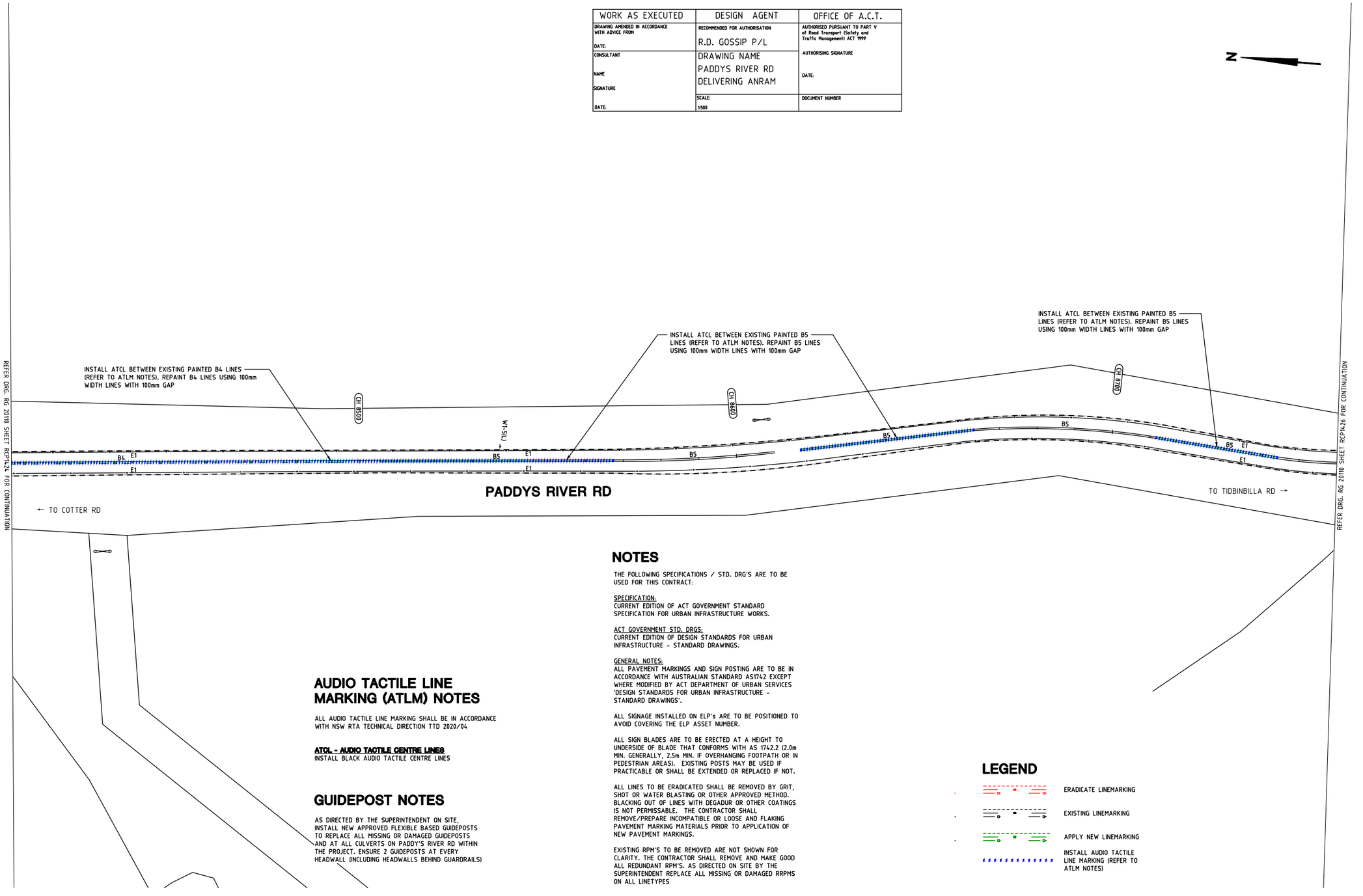
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 24 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1424	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

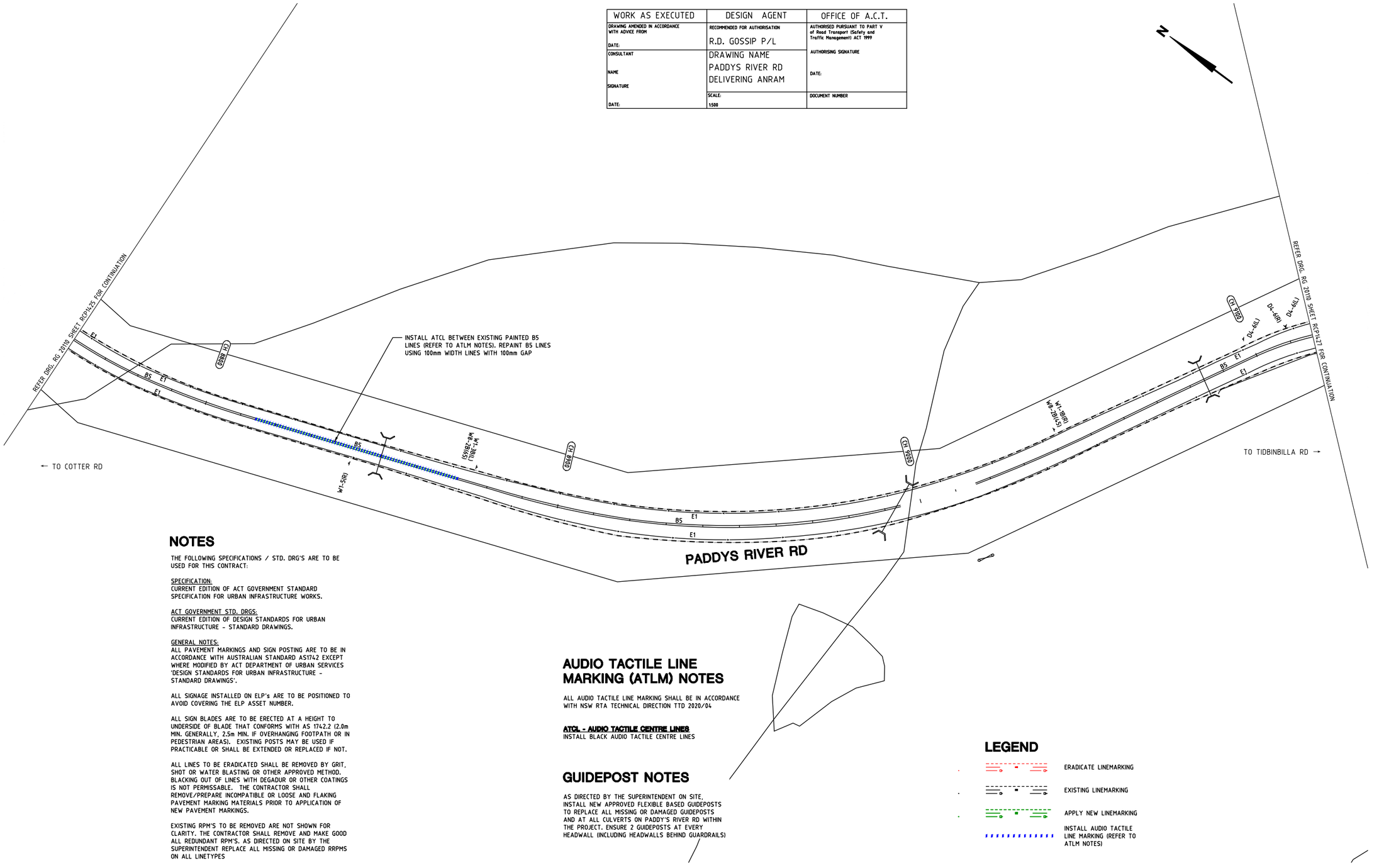
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 25 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1425	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 26 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1426	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

AUDIO TACTILE LINE MARKING (ATLM) NOTES

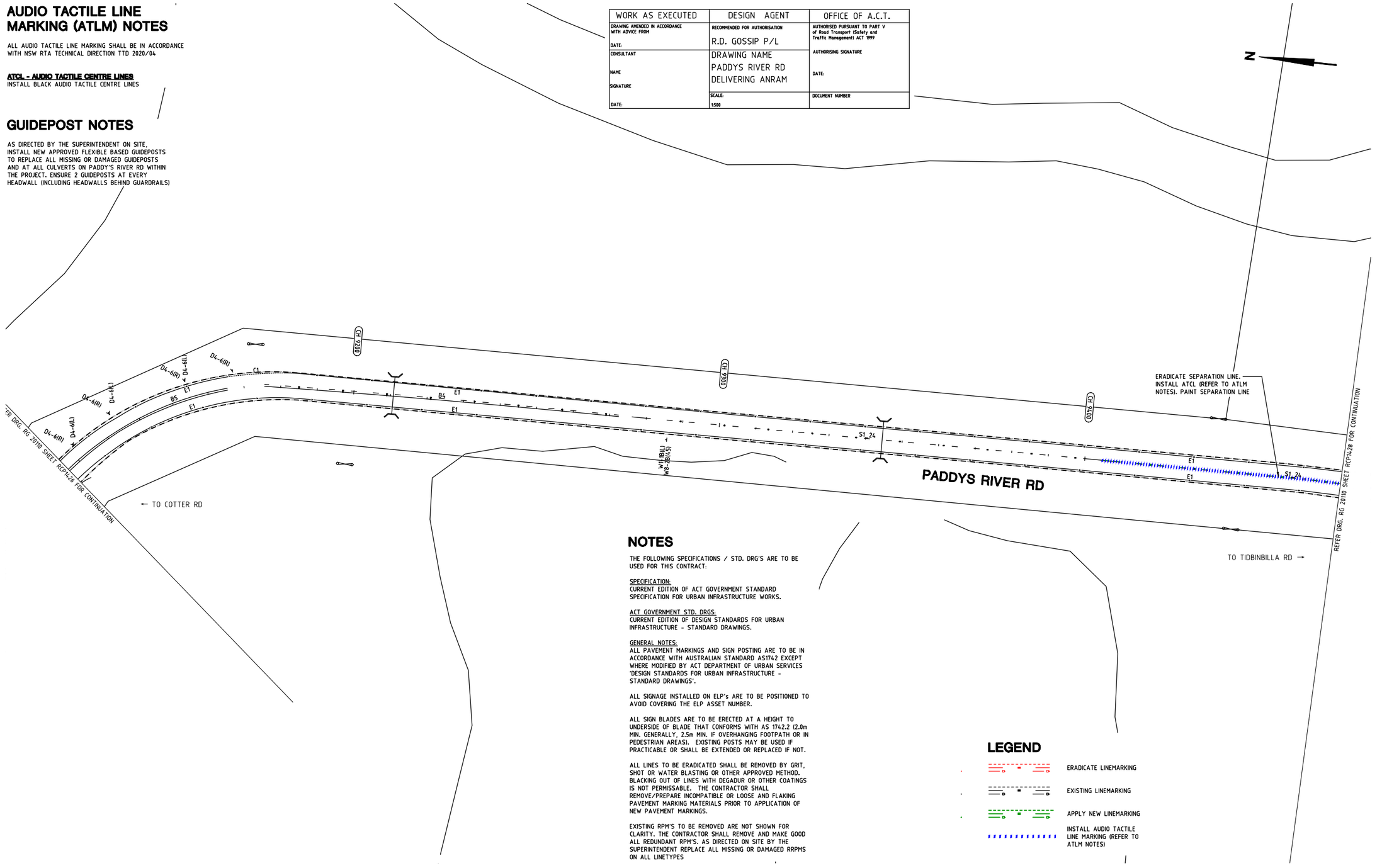
ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by --
Drawn by --
Checked by --
Approved by --

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

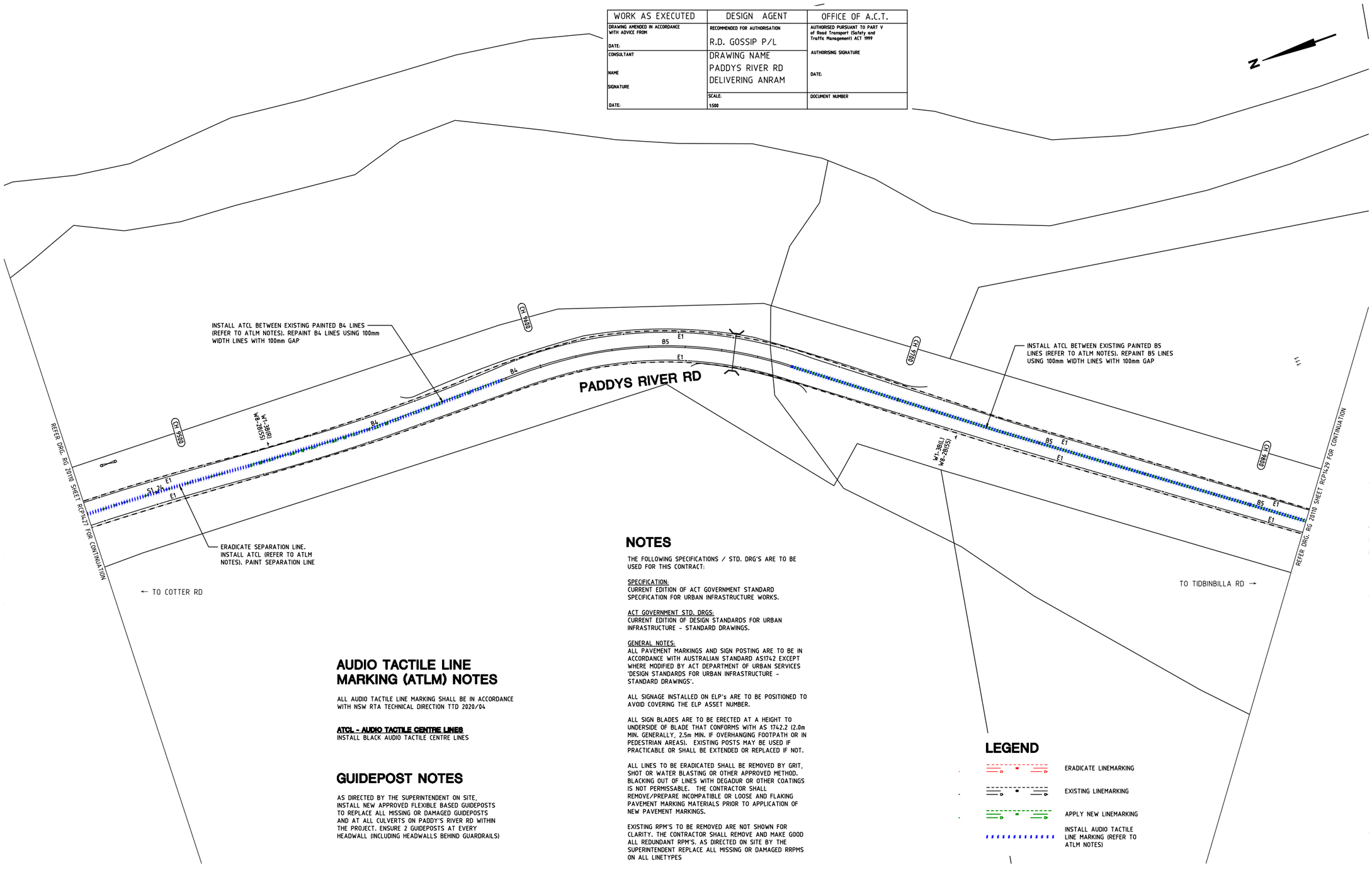
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 27 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1427	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

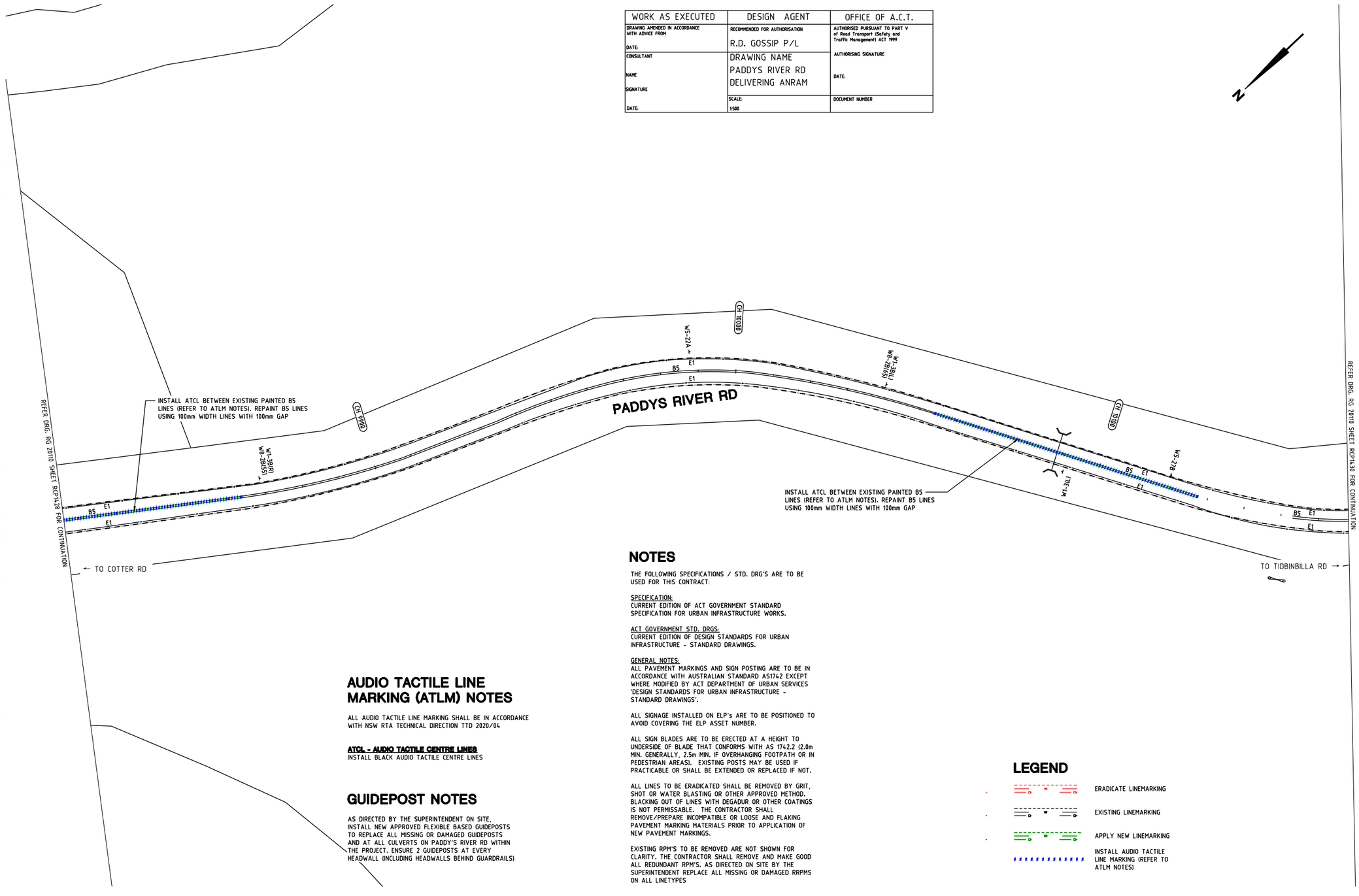
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 28 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1428	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE. INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6393

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

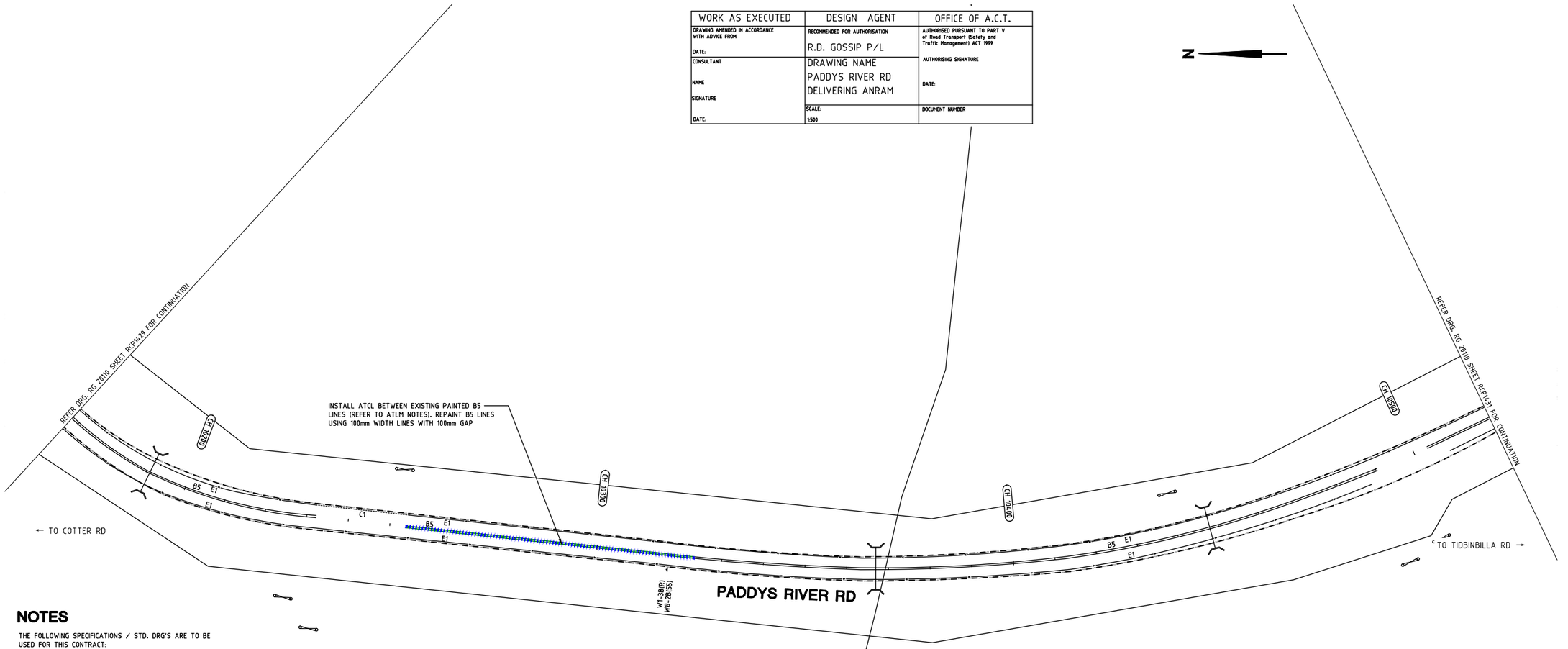
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 29 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1429	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph. 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

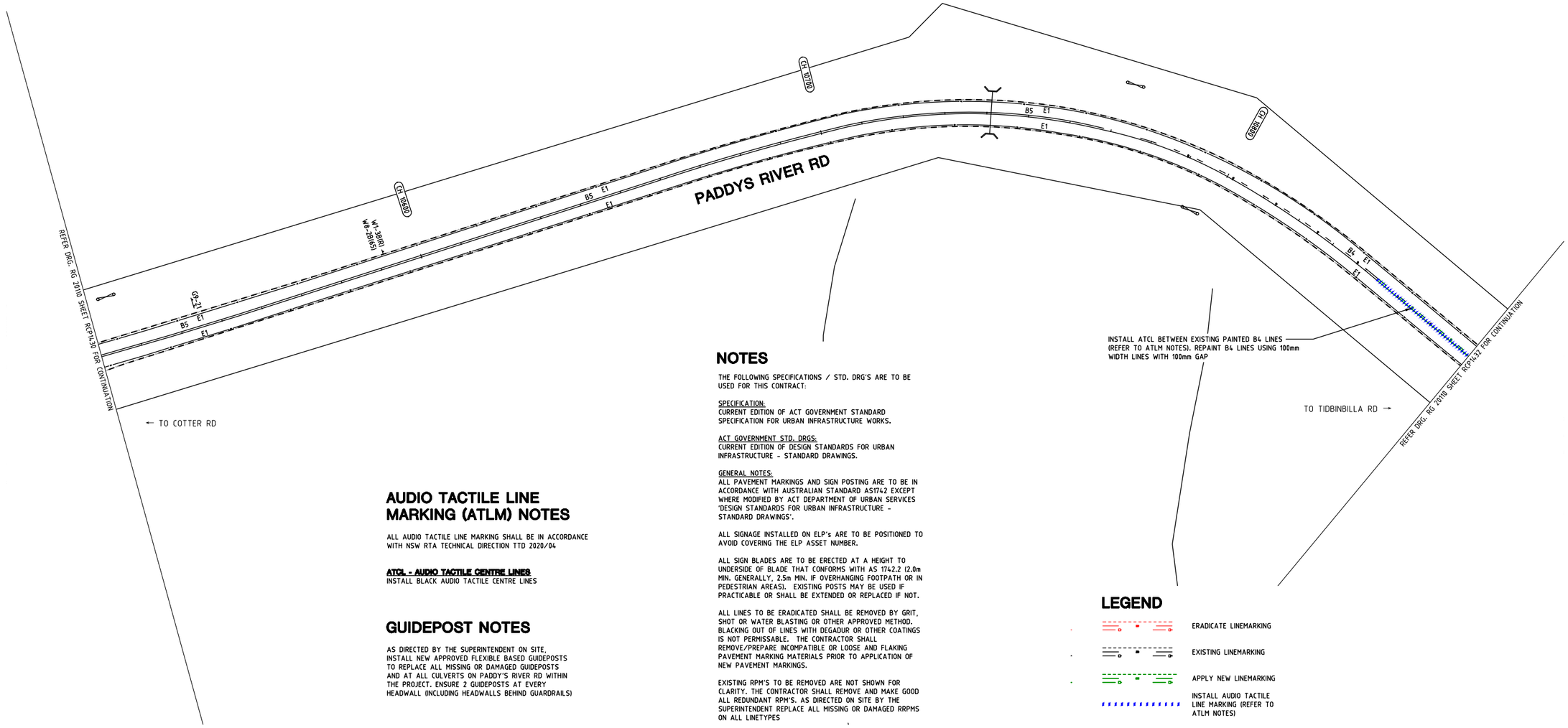
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 30 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1430	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGAOUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

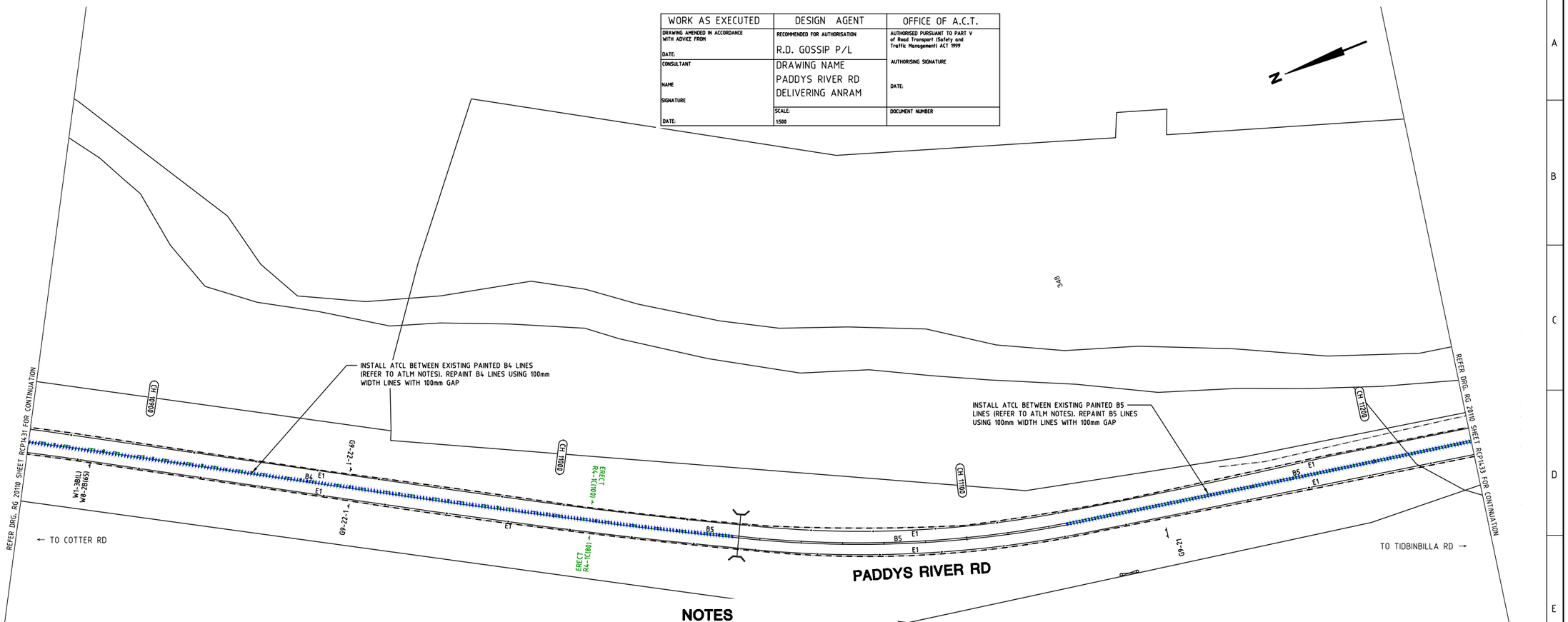
Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 31 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1431	0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE: SCALE: 1:500 DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1(80)	SPEED LIMIT (80)	-	C	1
R4-1(100)	SPEED LIMIT (100)	-	C	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

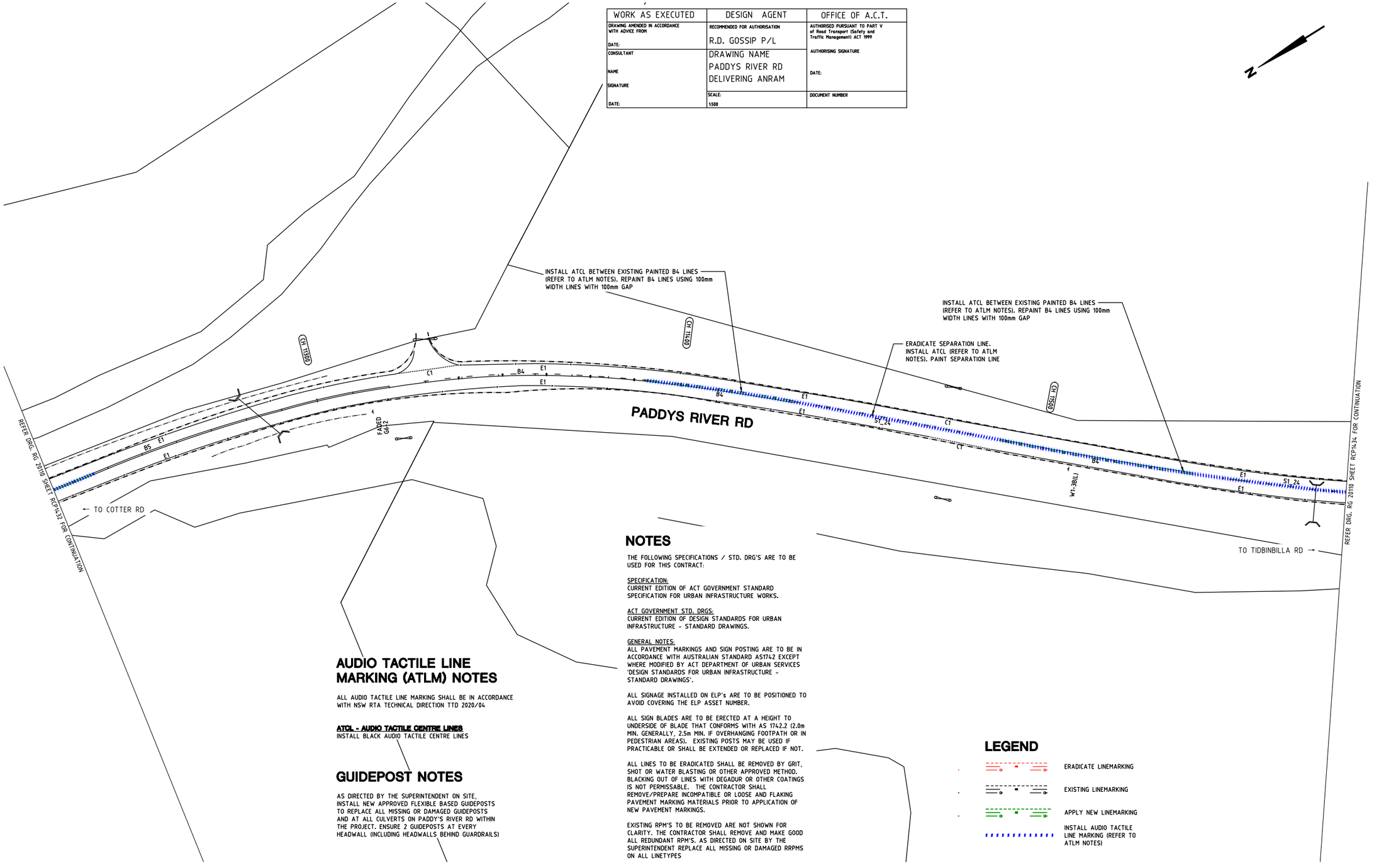
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 32 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1432	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

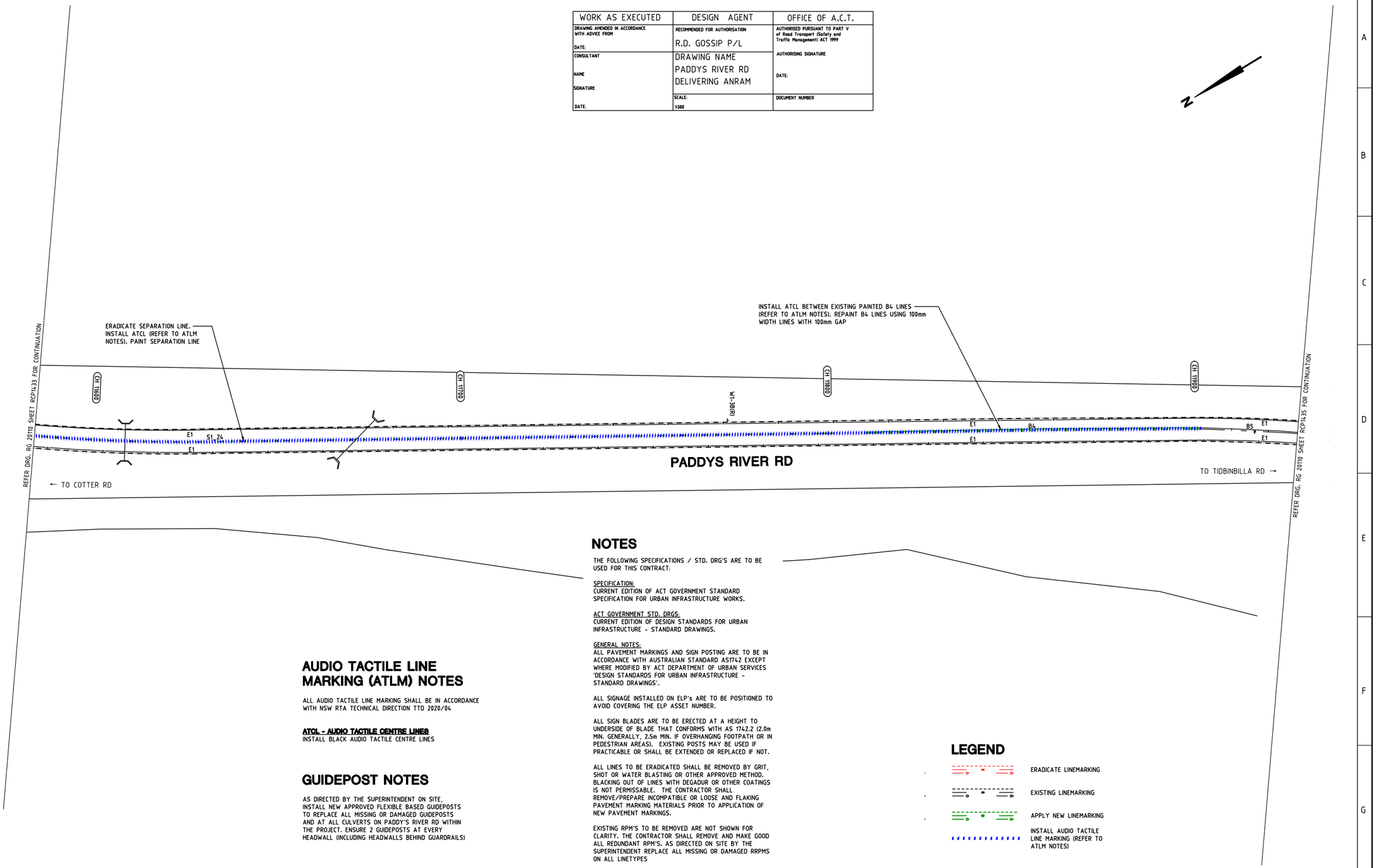
Drawing Title
PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 33 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1433	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

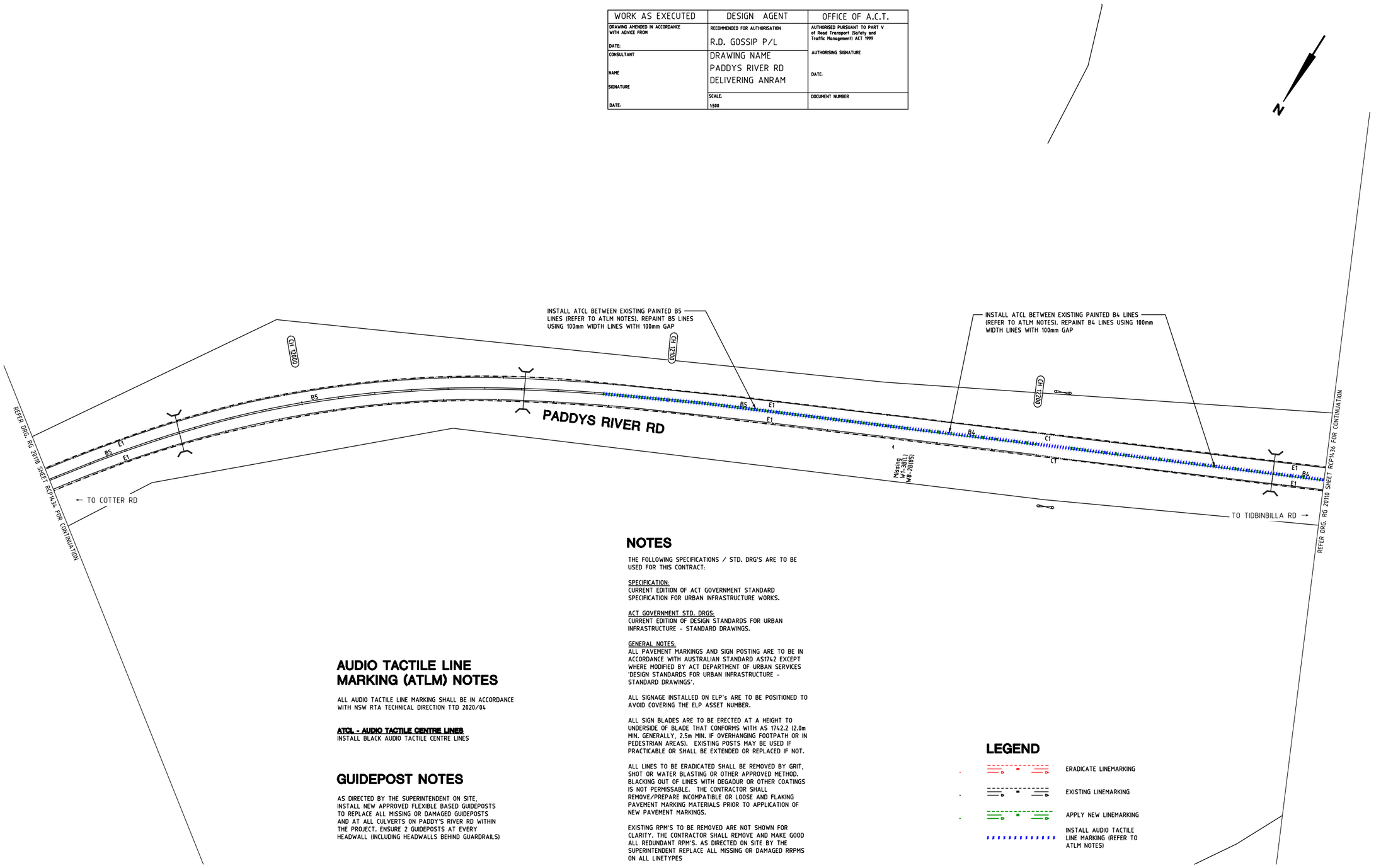
Drawing Title
PADDYS RIVER RD - SITE 14 TRAFFIC CONTROL DEVICE PLAN SHEET 34 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1434	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

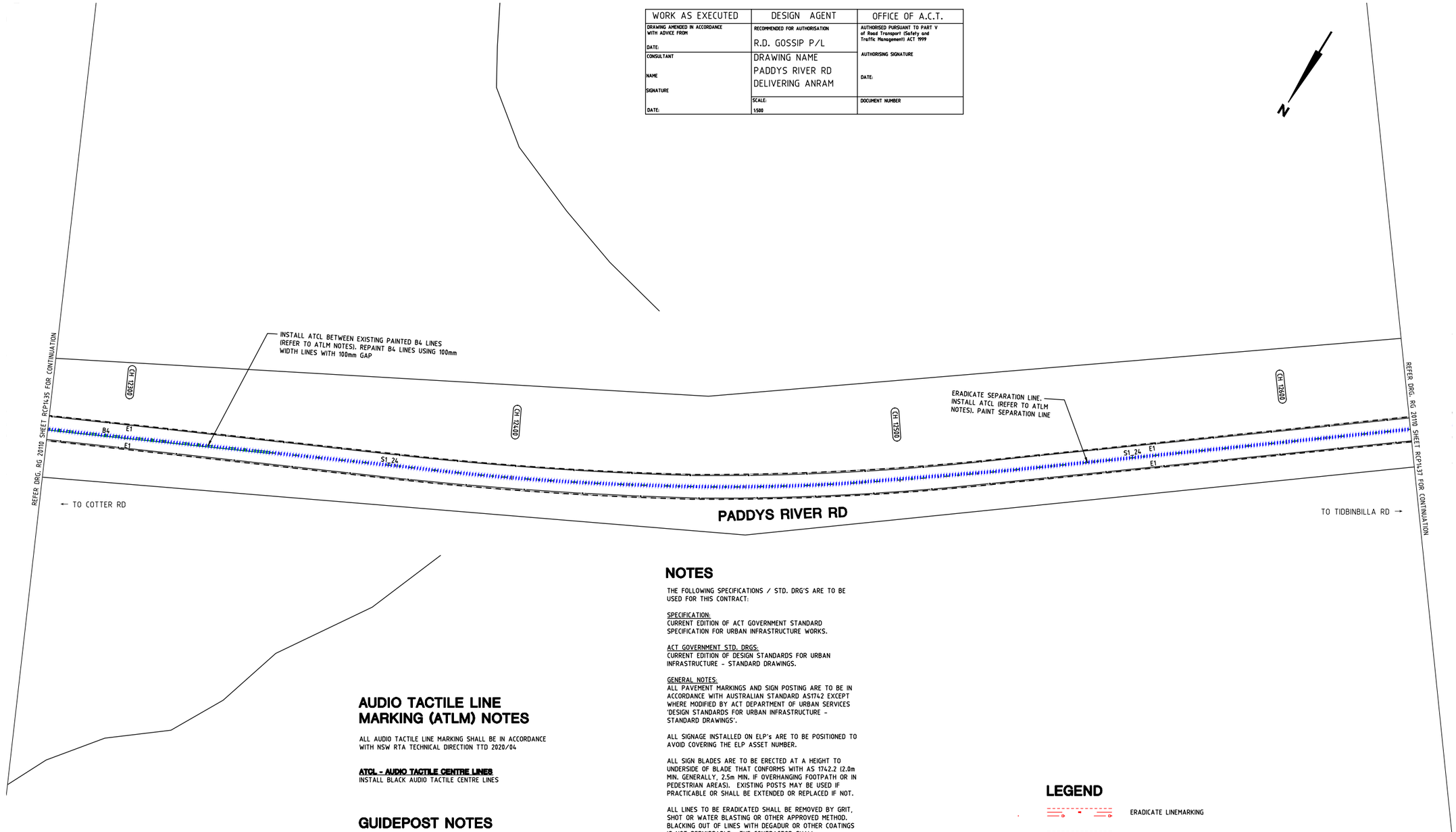
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 35 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1435	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

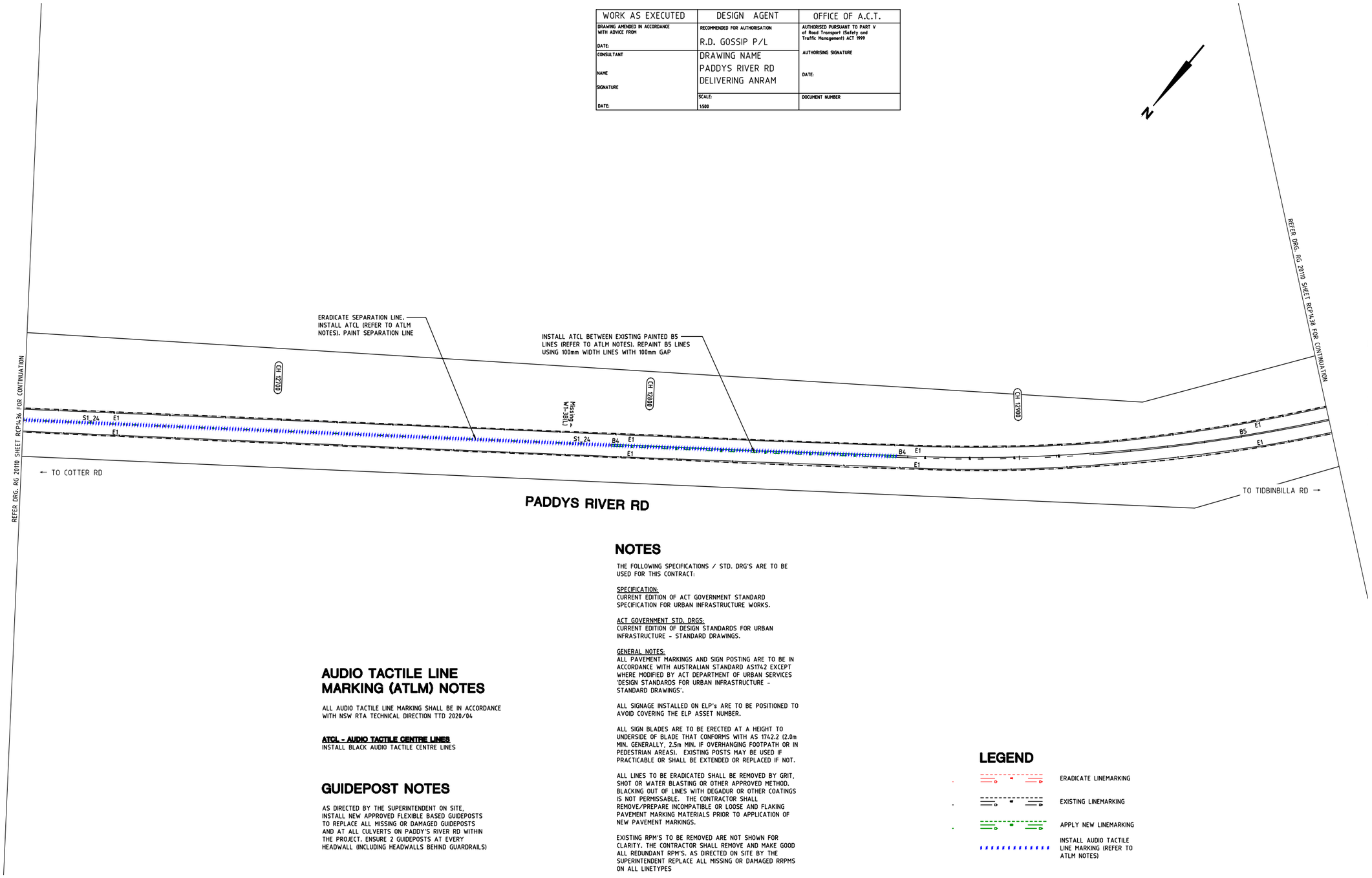
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 36 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1436	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

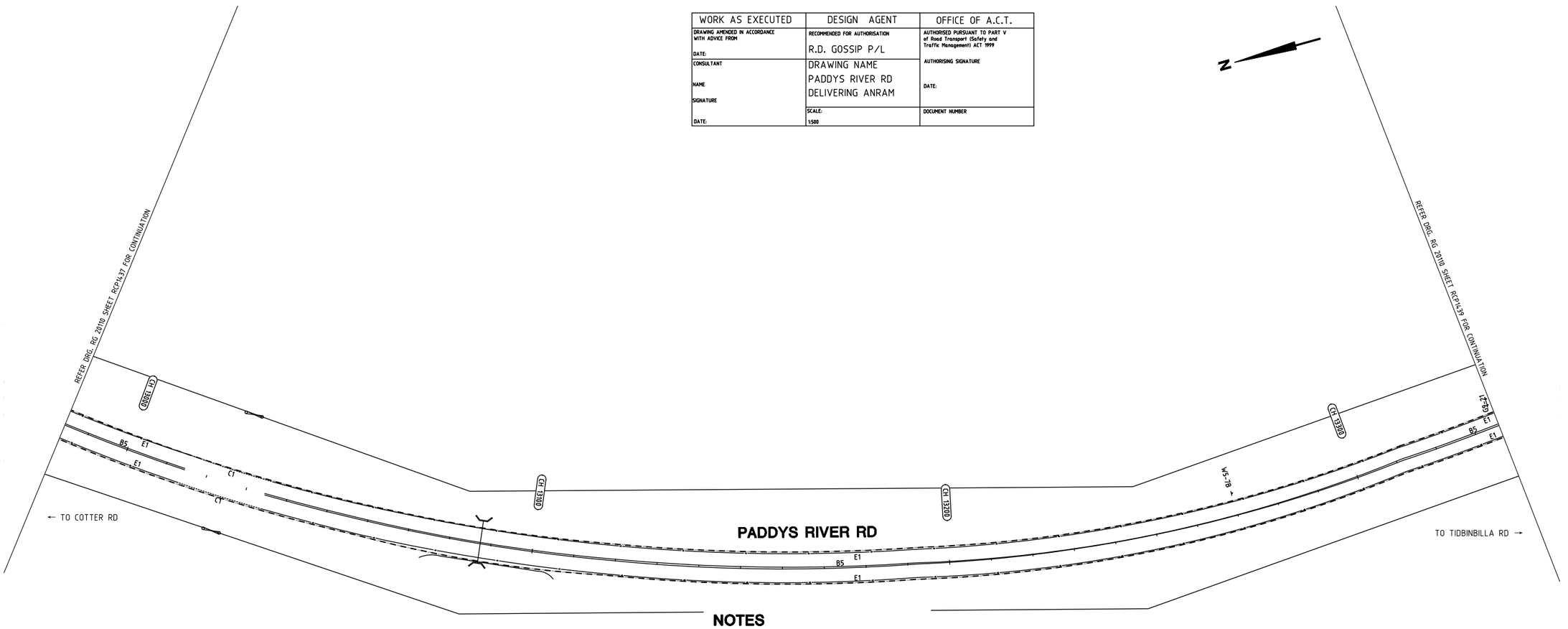
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 37 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1437	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

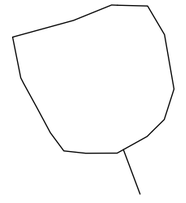
ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)



SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

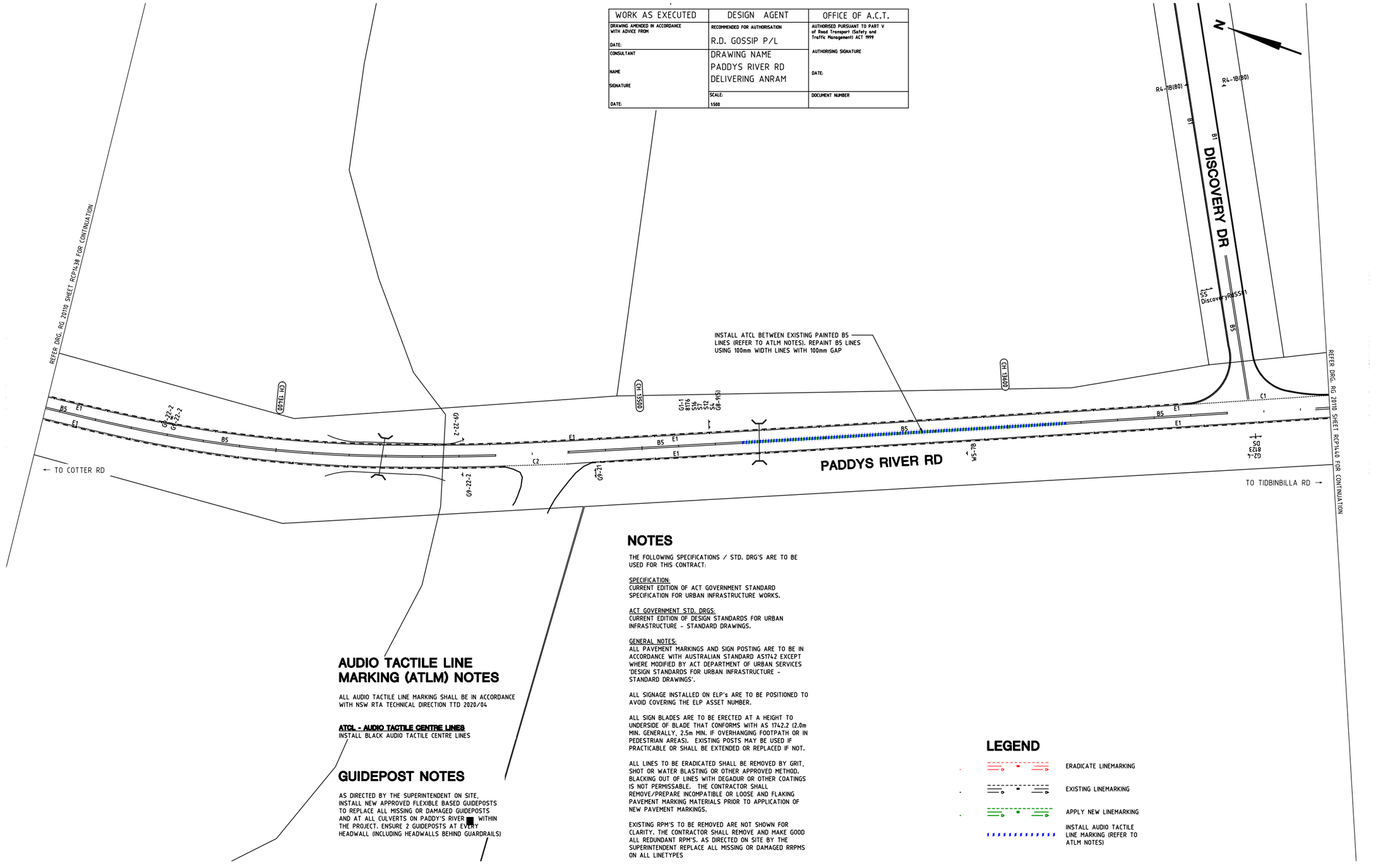
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 38 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1438	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE: SCALE: 1:500 DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER [redacted] WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6315
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

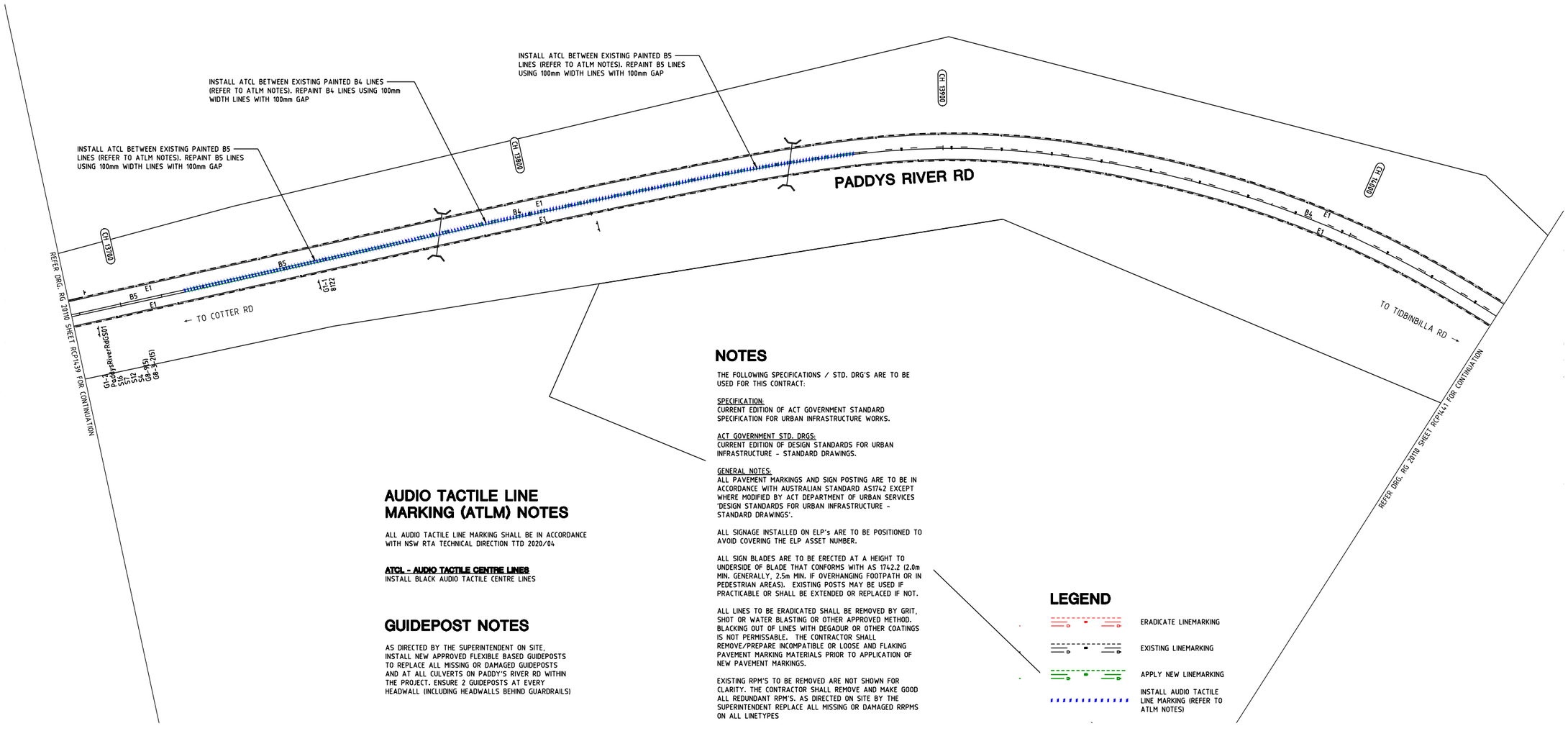
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 39 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1439	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

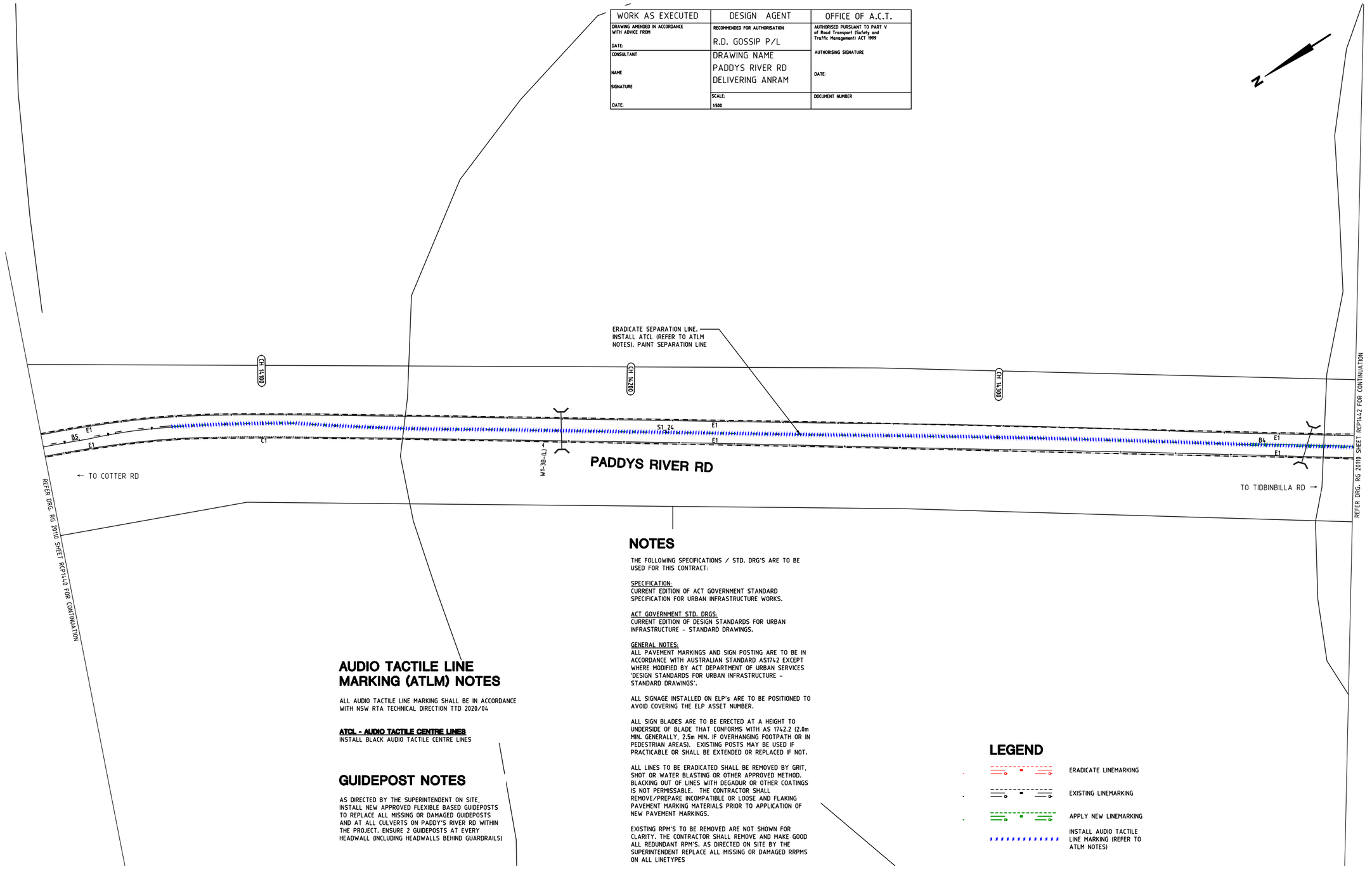
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 40 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1440	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 304.90
ACT Government

Project
DELIVERING ANRAM

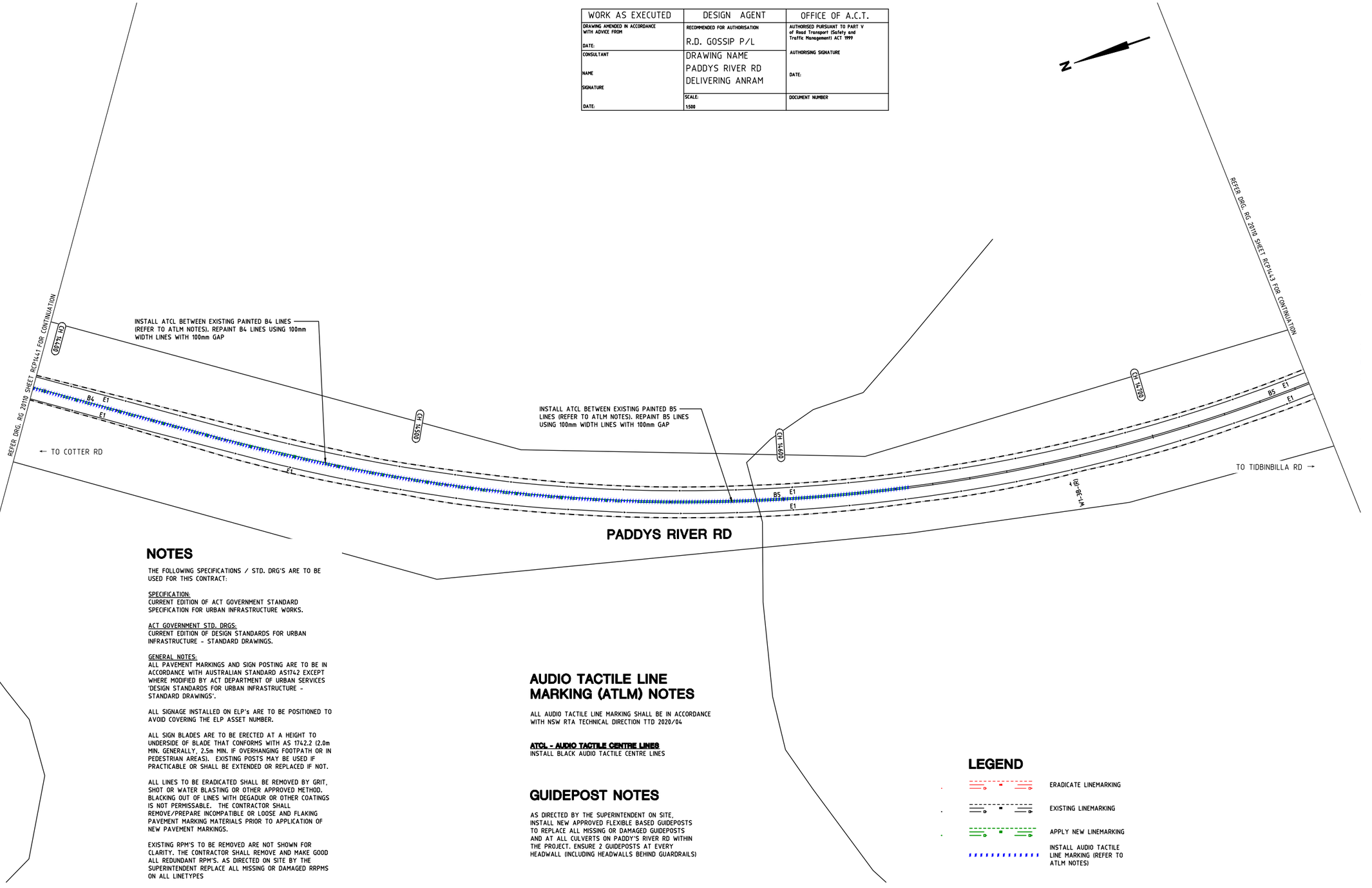
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 41 OF 47

Date: 24/09/21
Drg. No.: RG 20110
Sheet: RCP1441
Revision: 0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

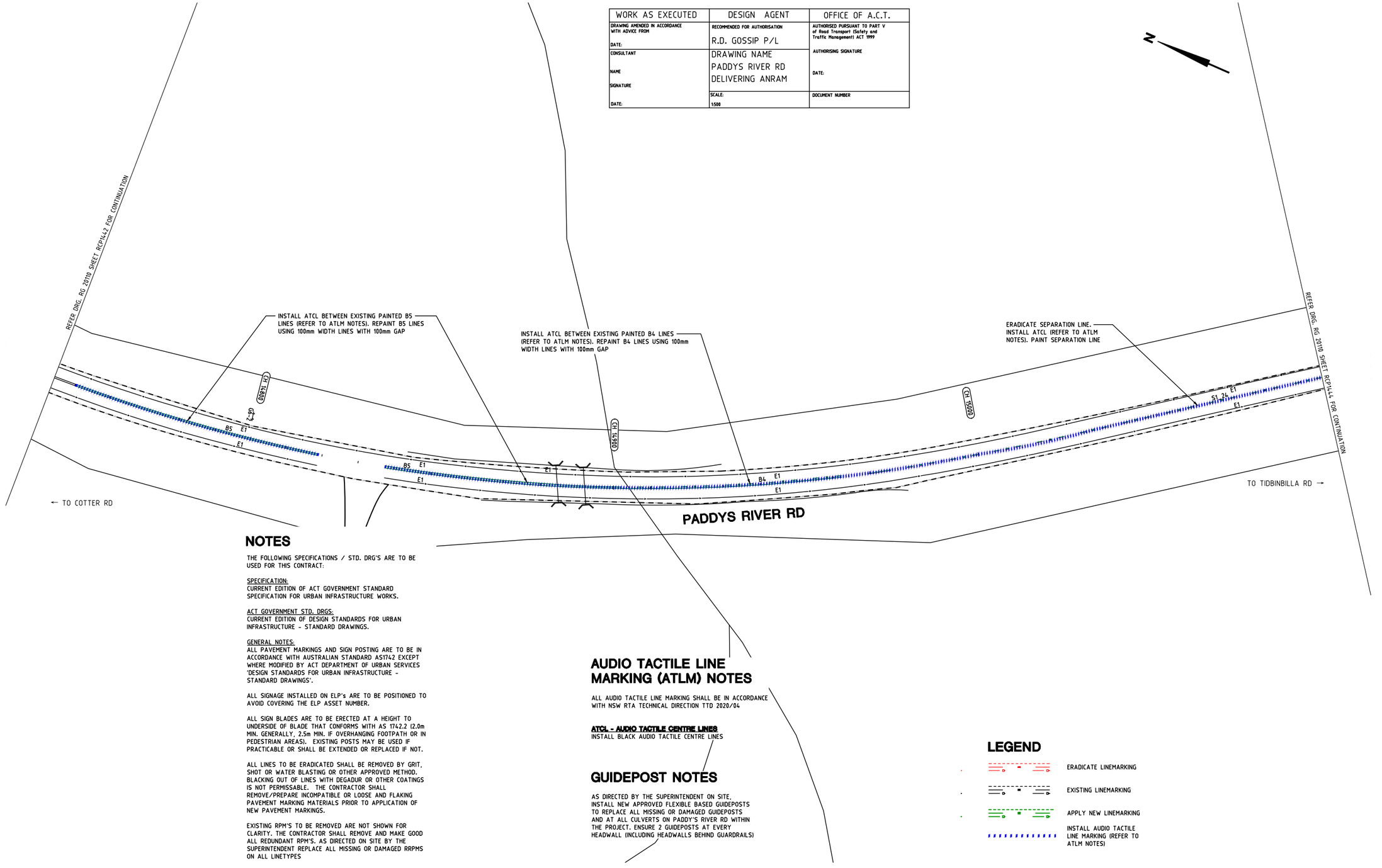
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 42 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1442	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6319

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

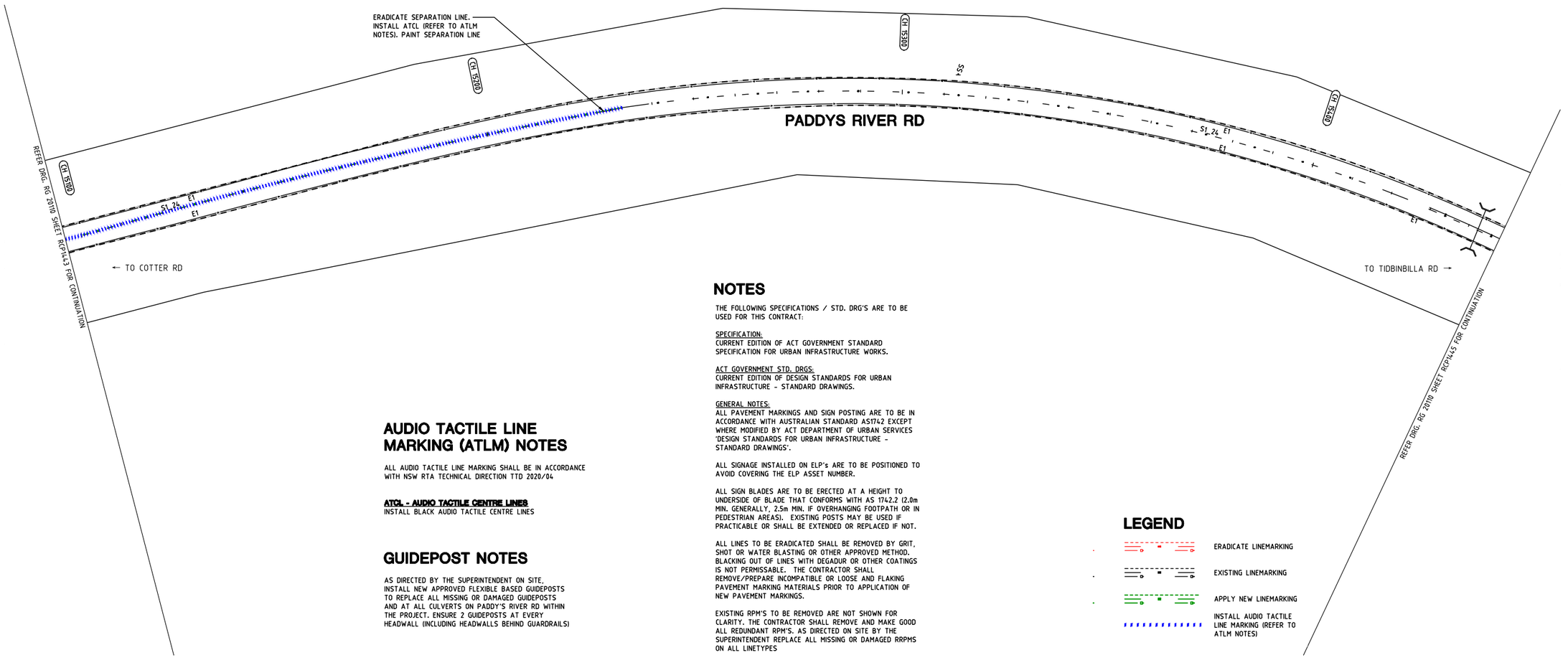
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 43 OF 47

Date	Drg. No.	Sheet	Revision
24/09/21	RG 20110	RCP1443	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

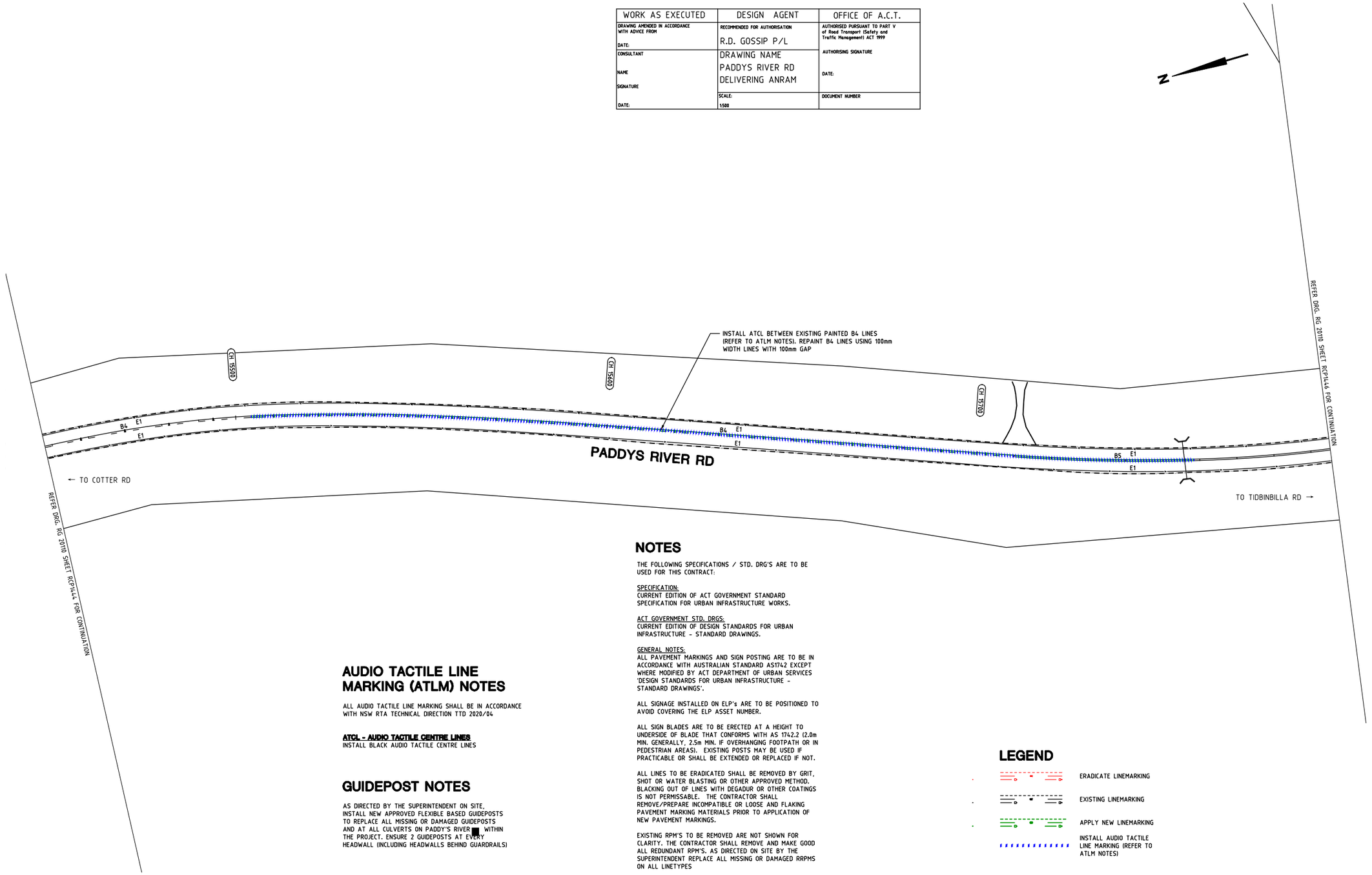
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 44 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1444	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER [redacted] WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by [redacted]
Drawn by [redacted]
Checked by [redacted]
Approved by [redacted]

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

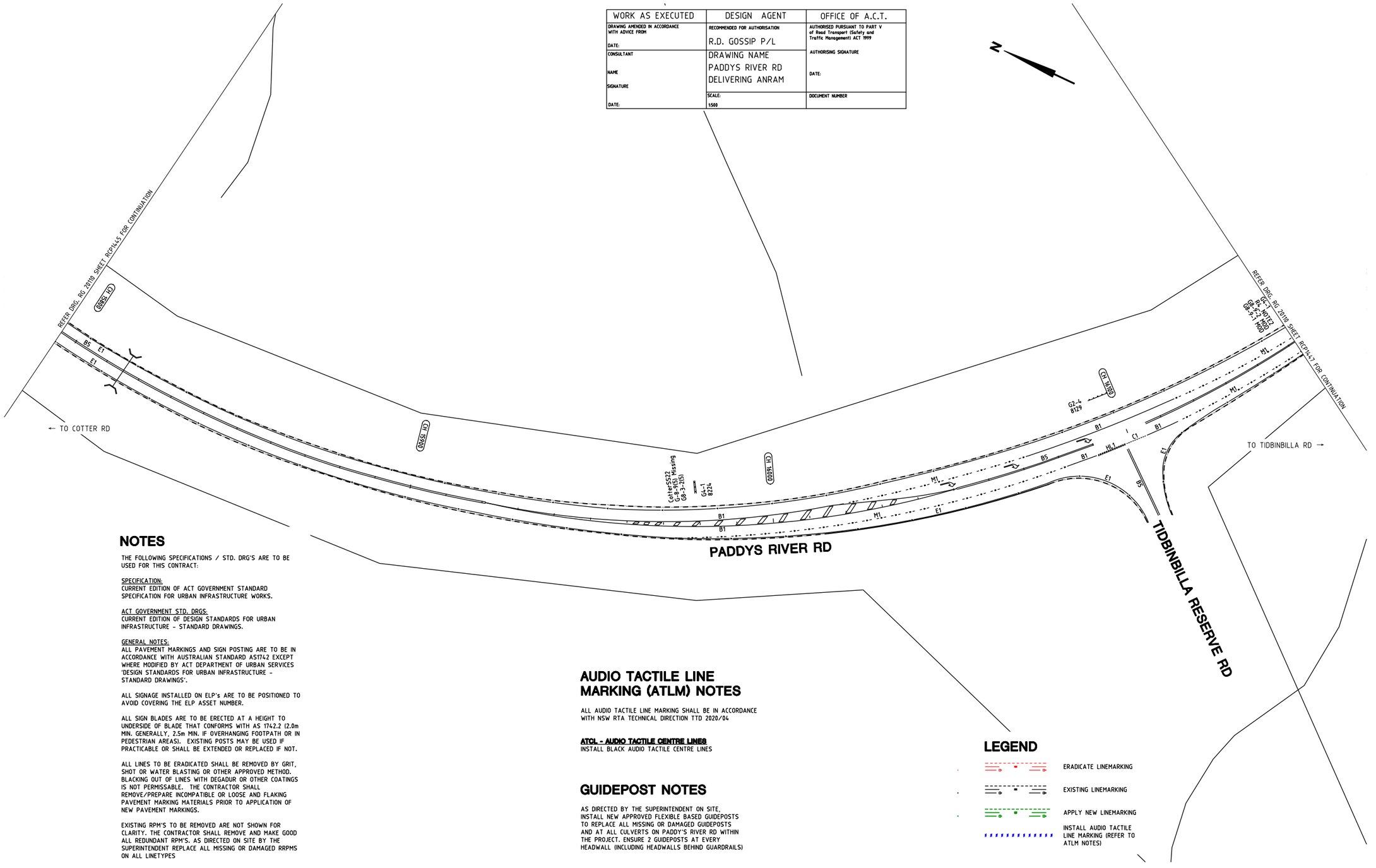
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 45 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1445	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

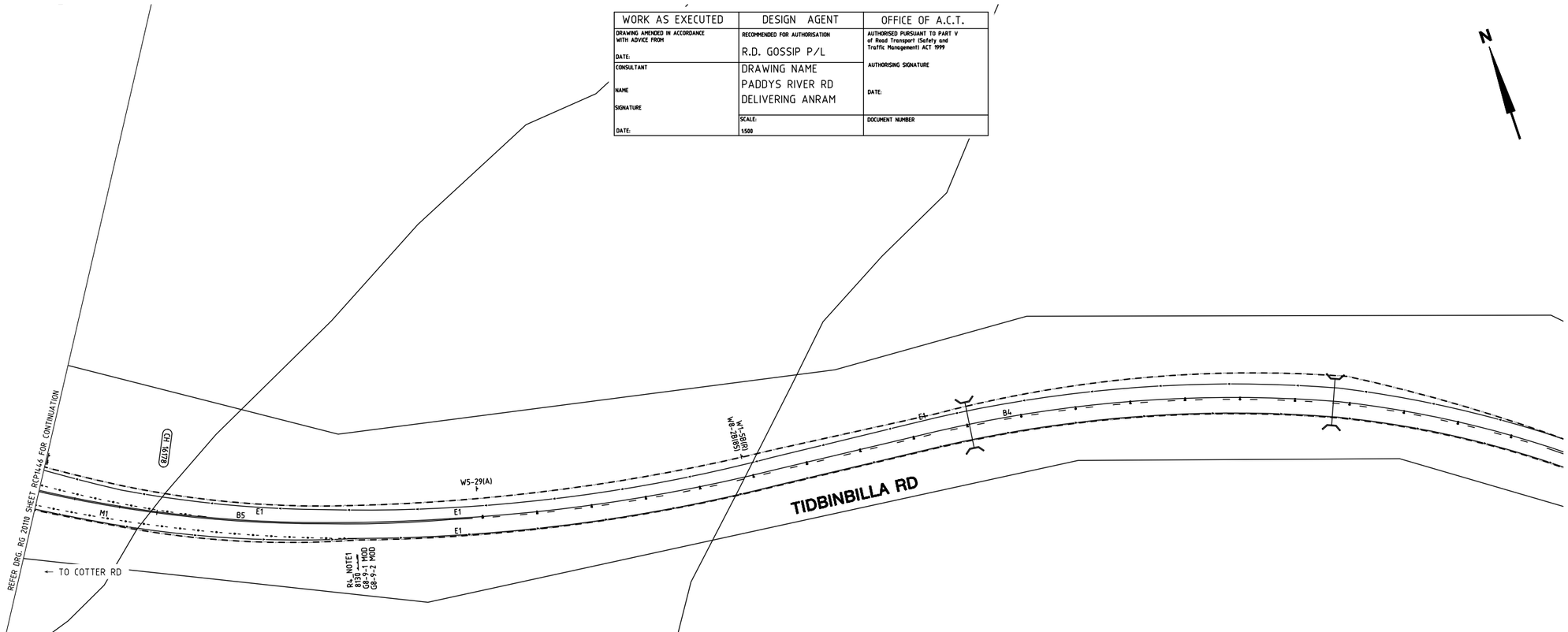
Drawing Title
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 46 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1446	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME PADDYS RIVER RD DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS ON PADDY'S RIVER RD WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

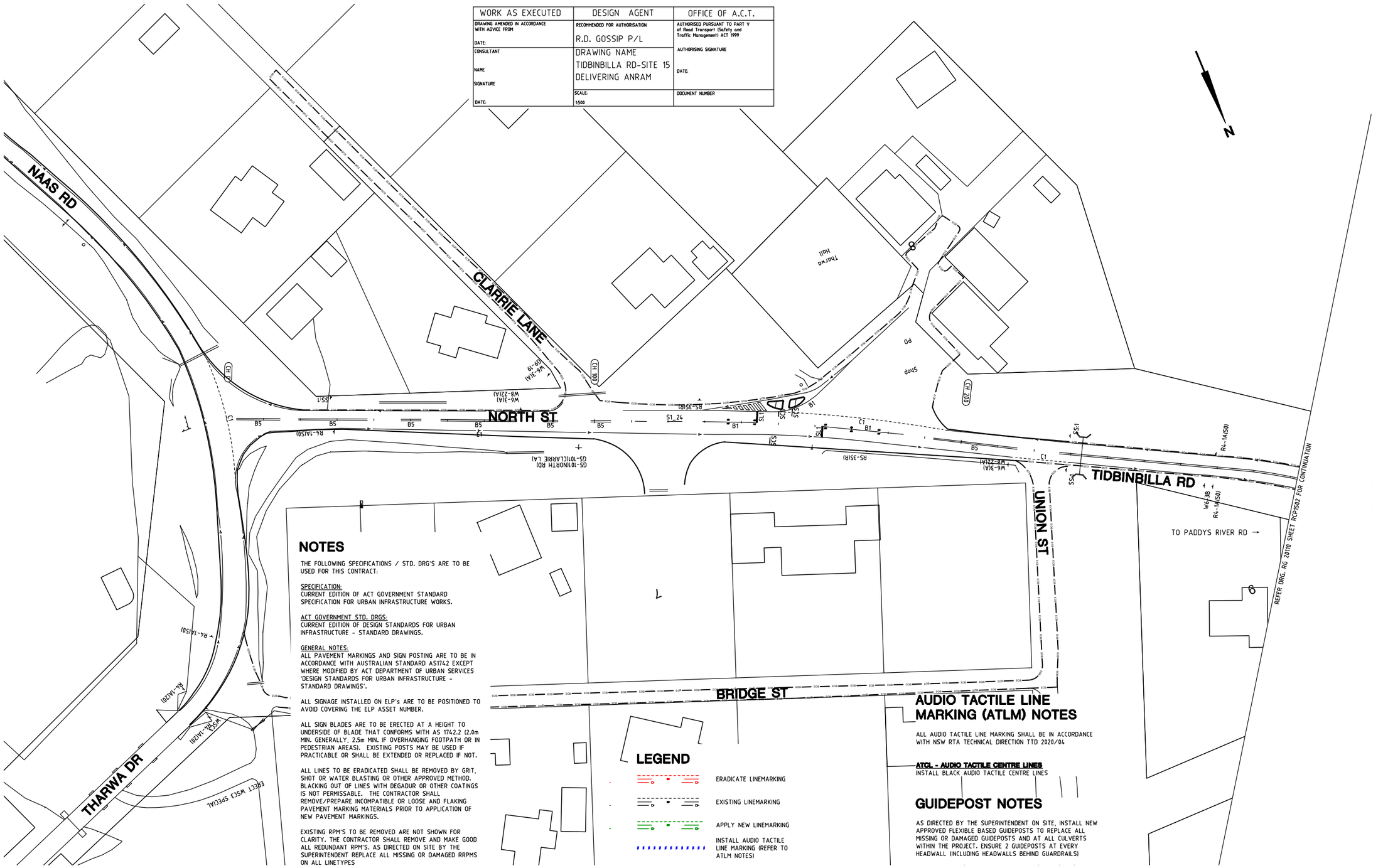
PADDYS RIVER RD - SITE 14
TRAFFIC CONTROL DEVICE PLAN
SHEET 47 OF 47

Drg. No.	Sheet	Revision
RG 20110	RCP1447	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R14 Paddys River Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

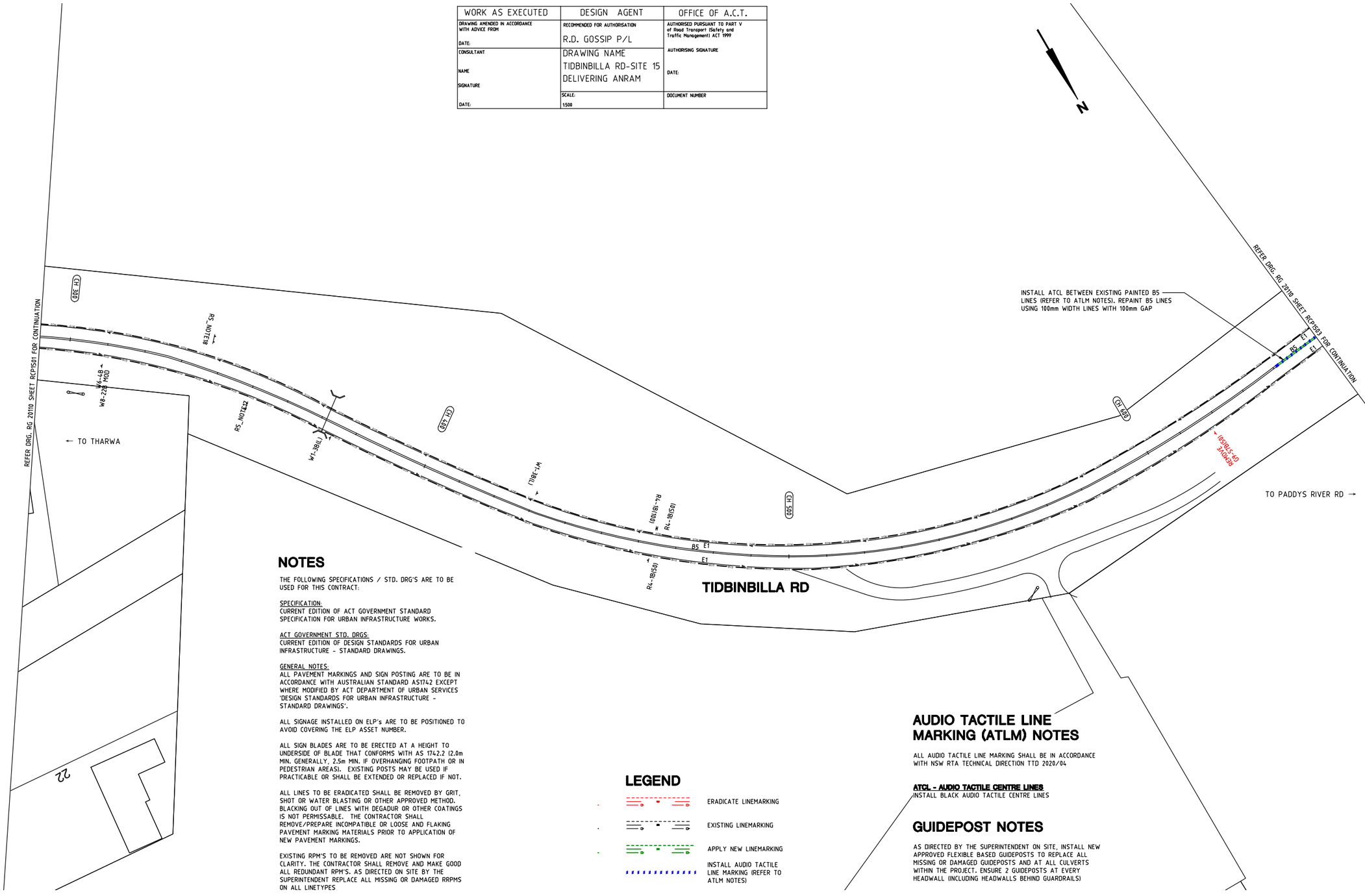
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 01 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1501	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites
RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
G9-57	WATCH FOR BICYCLES	-	B	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6353

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

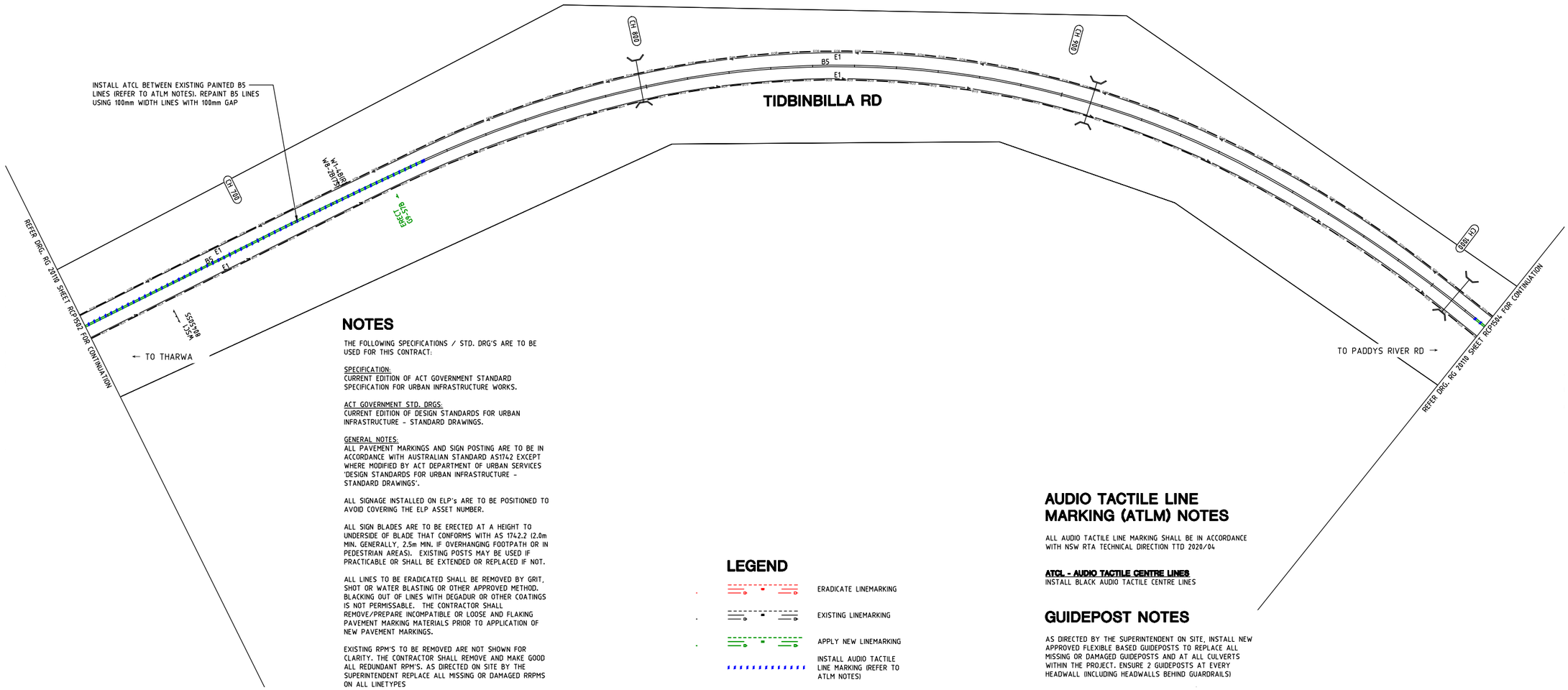
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 02 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1502	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
G9-57	WATCH FOR BICYCLES	-	B	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by --
Drawn by --
Checked by --
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

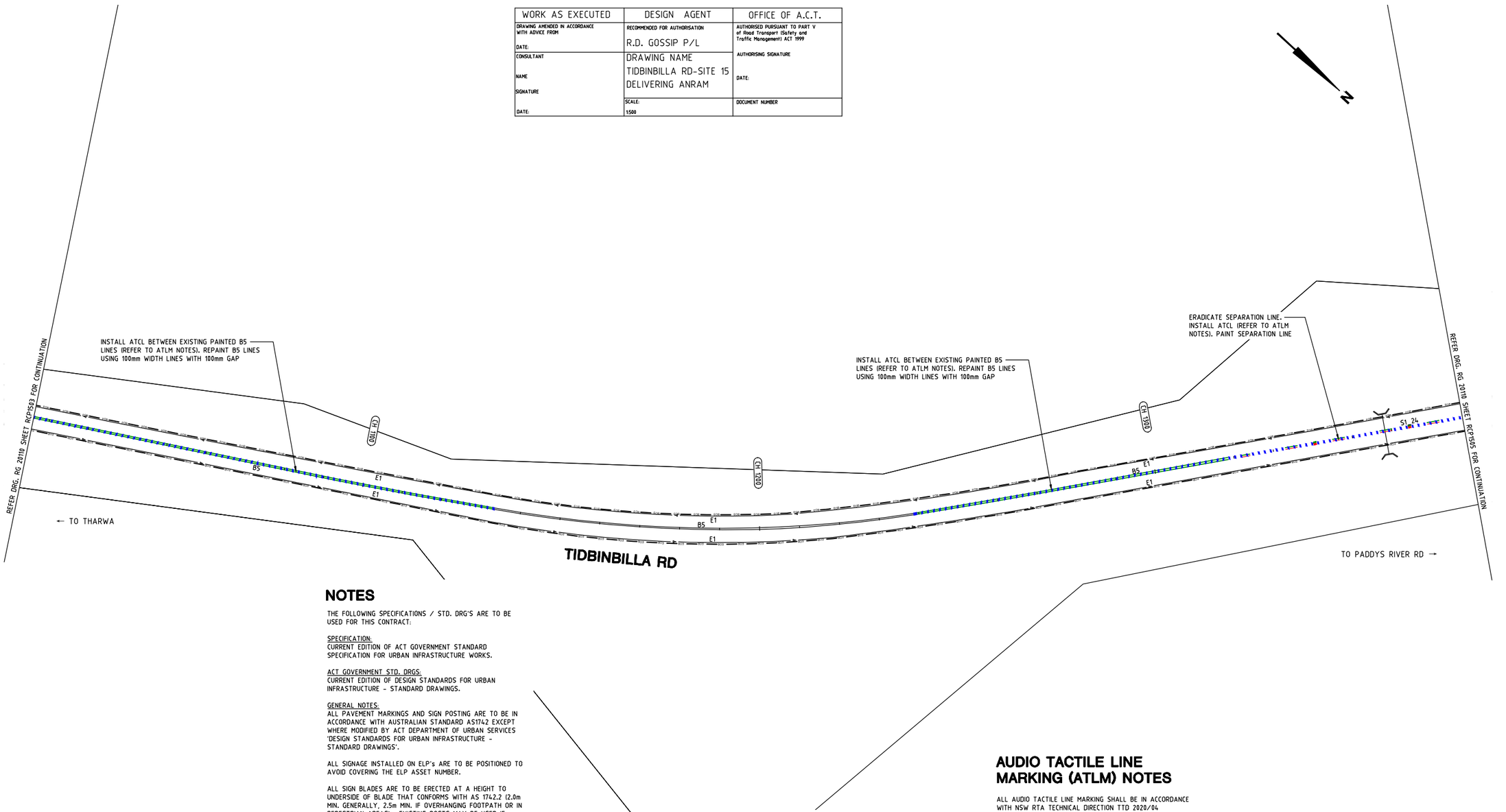
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 03 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1503	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

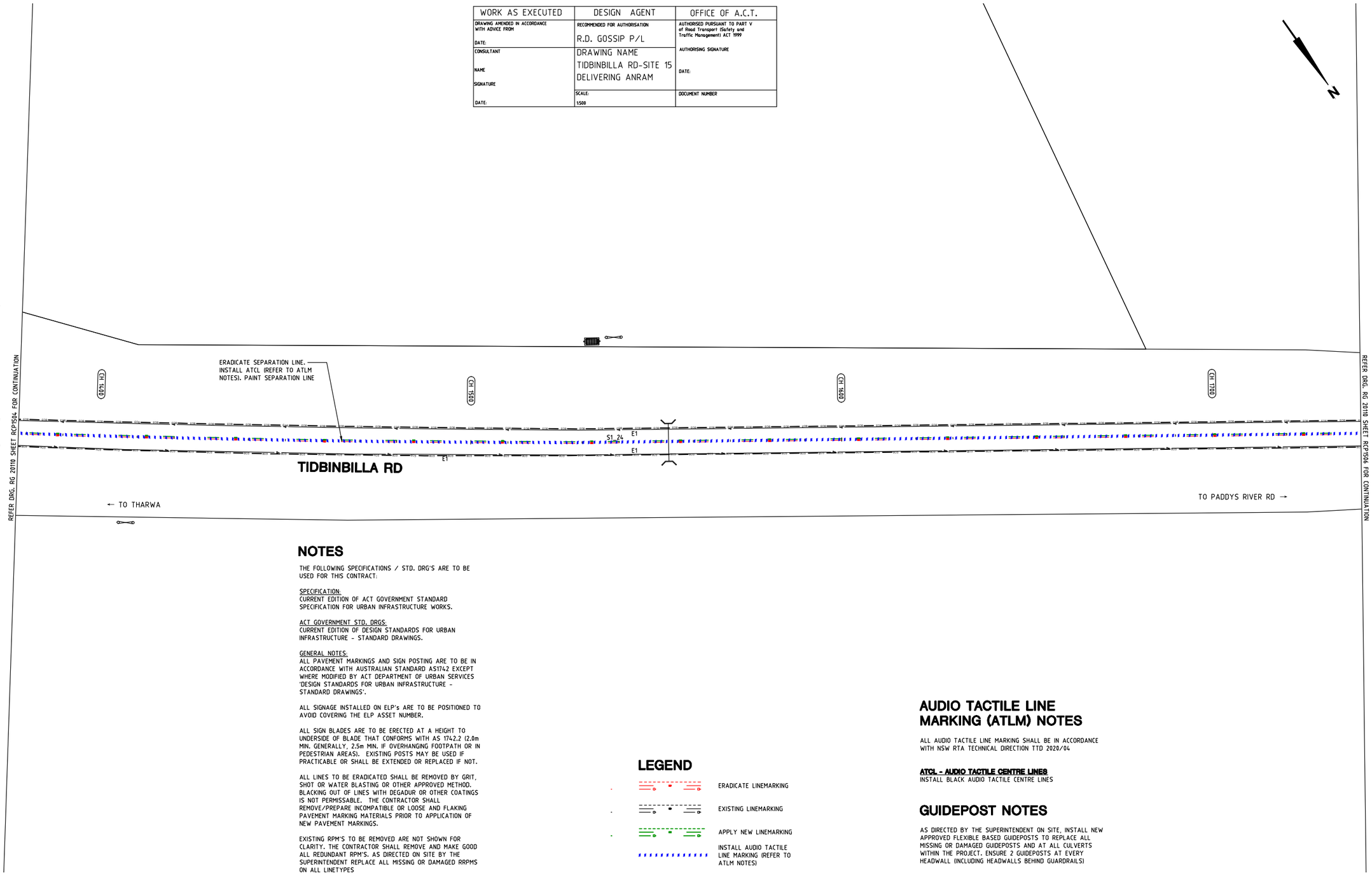
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 04 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1504	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

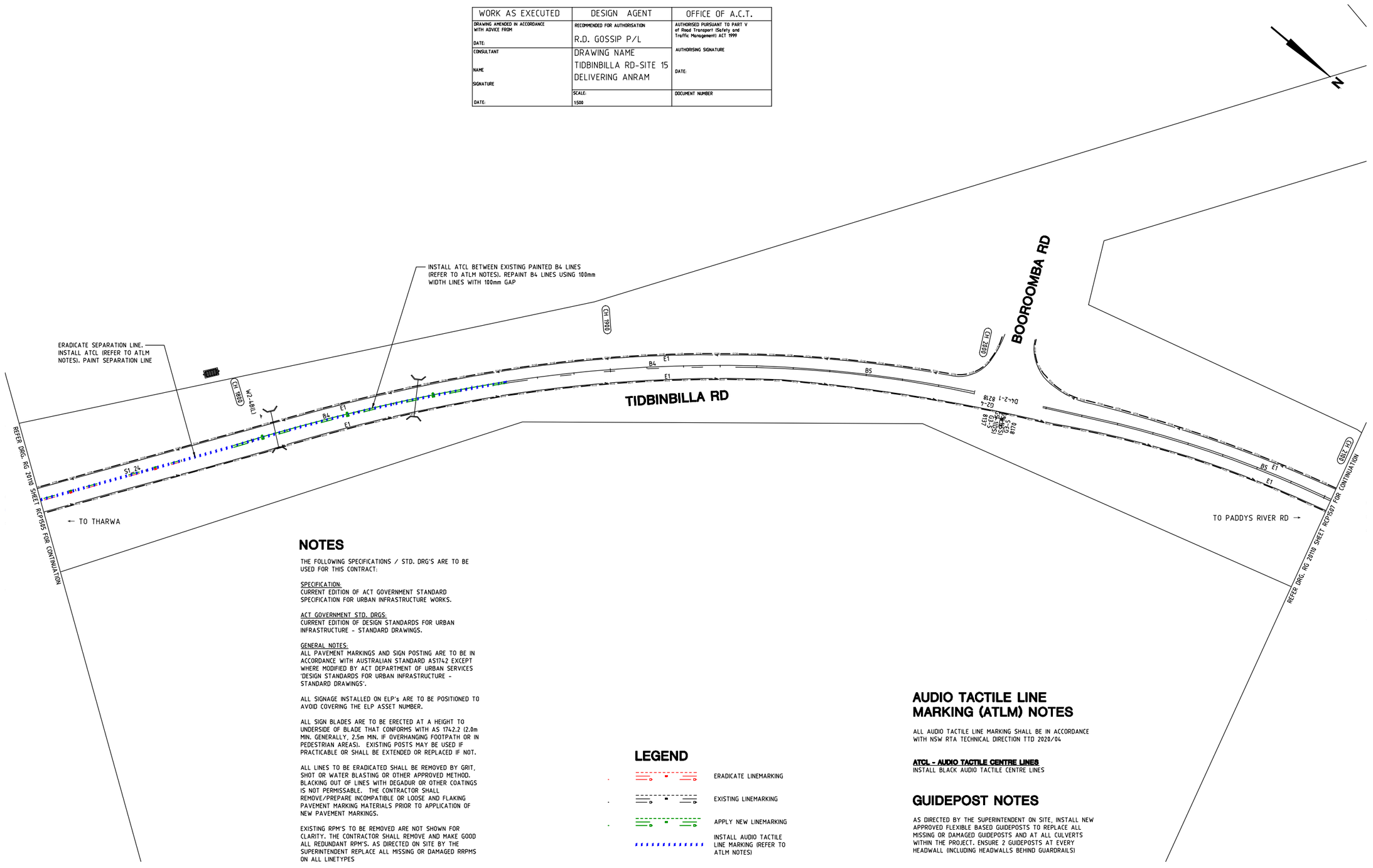
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 05 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1505	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 123, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

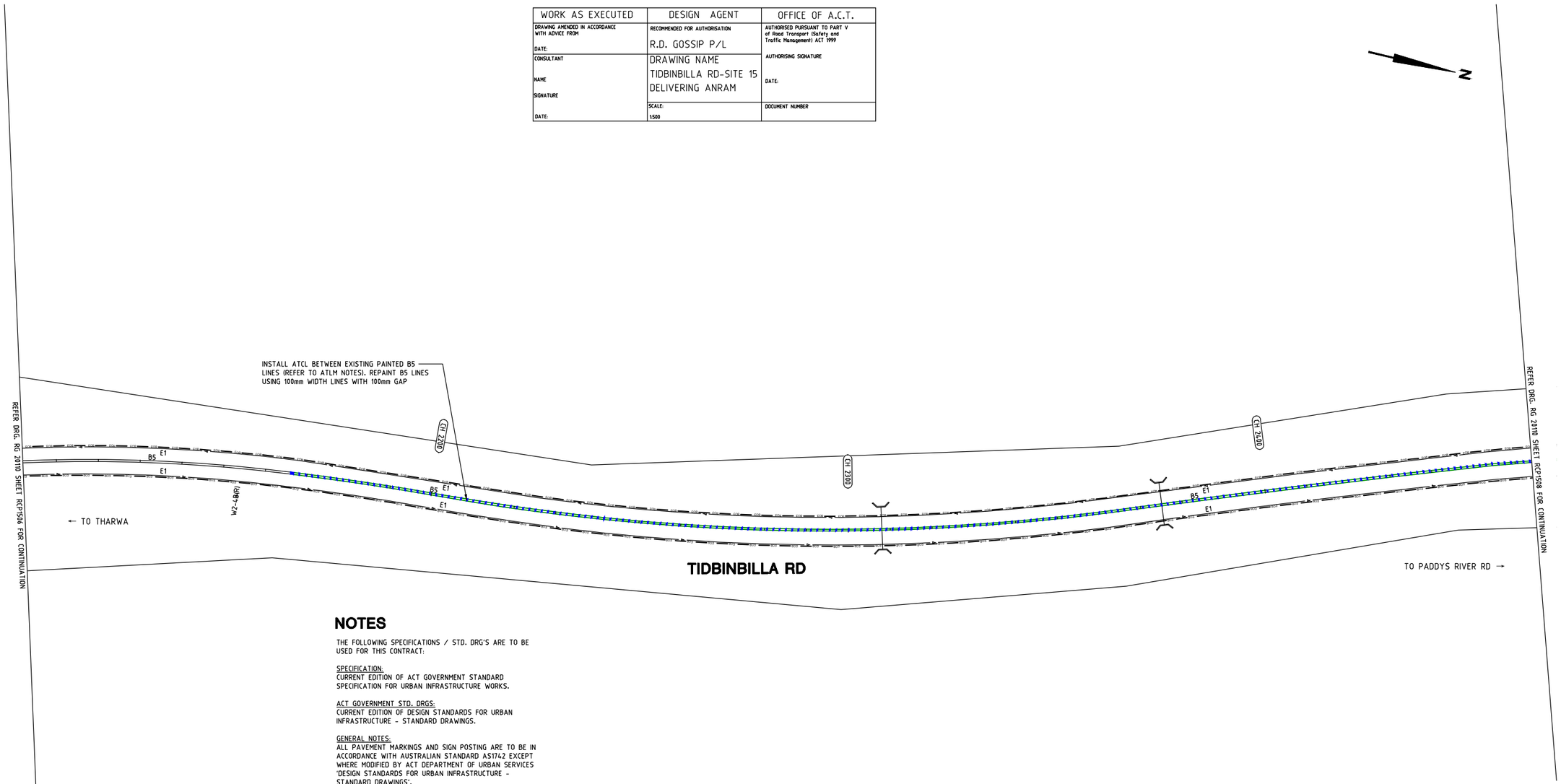
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 06 OF 48

Date: 24/09/21
Drg. No.: RG 20110
Sheet: RCP1506
Revision: 0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

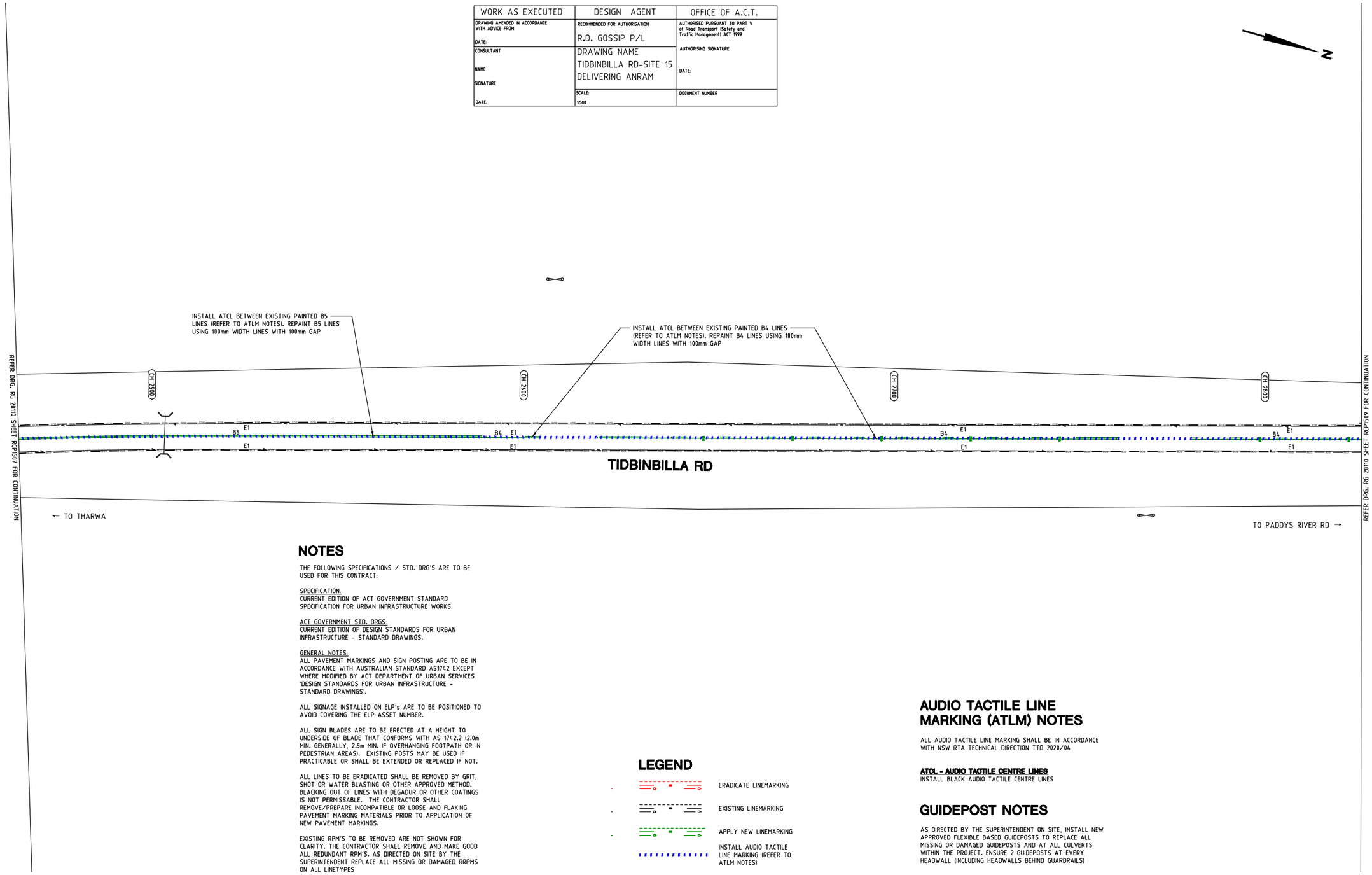
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 07 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1507	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 124, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

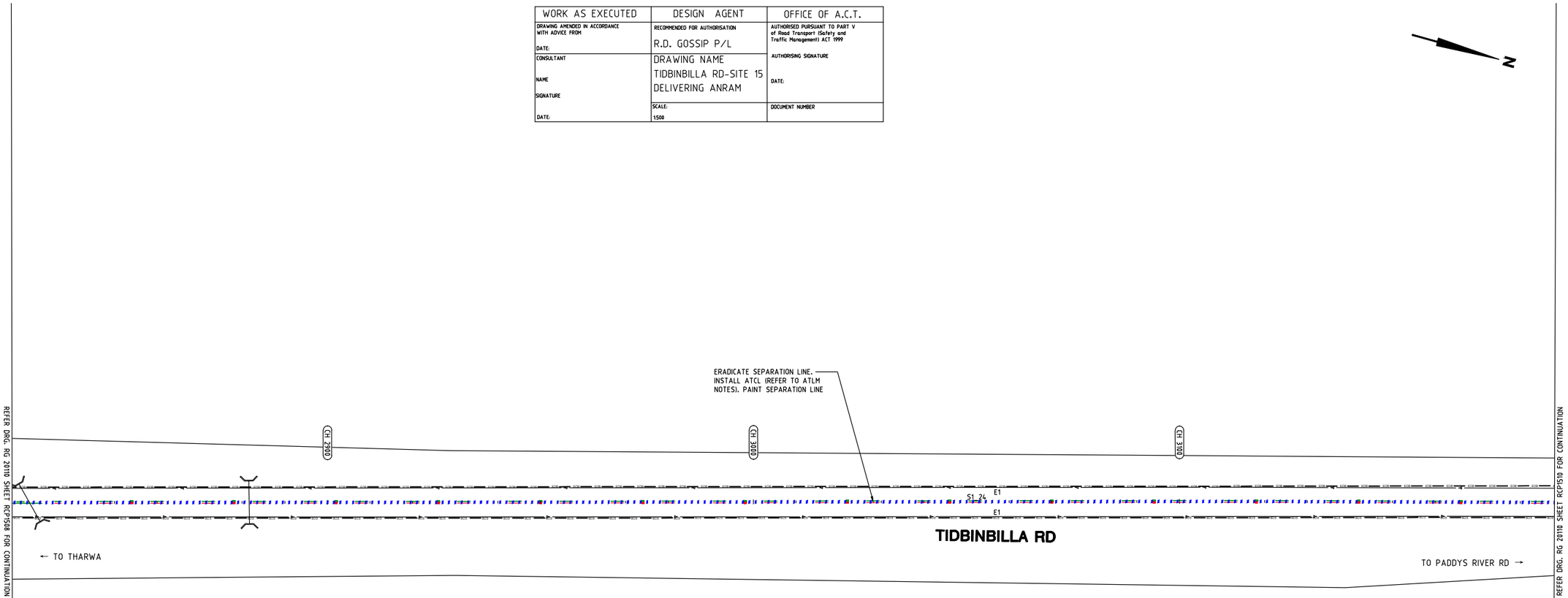
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 08 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1508	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
DATE:	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

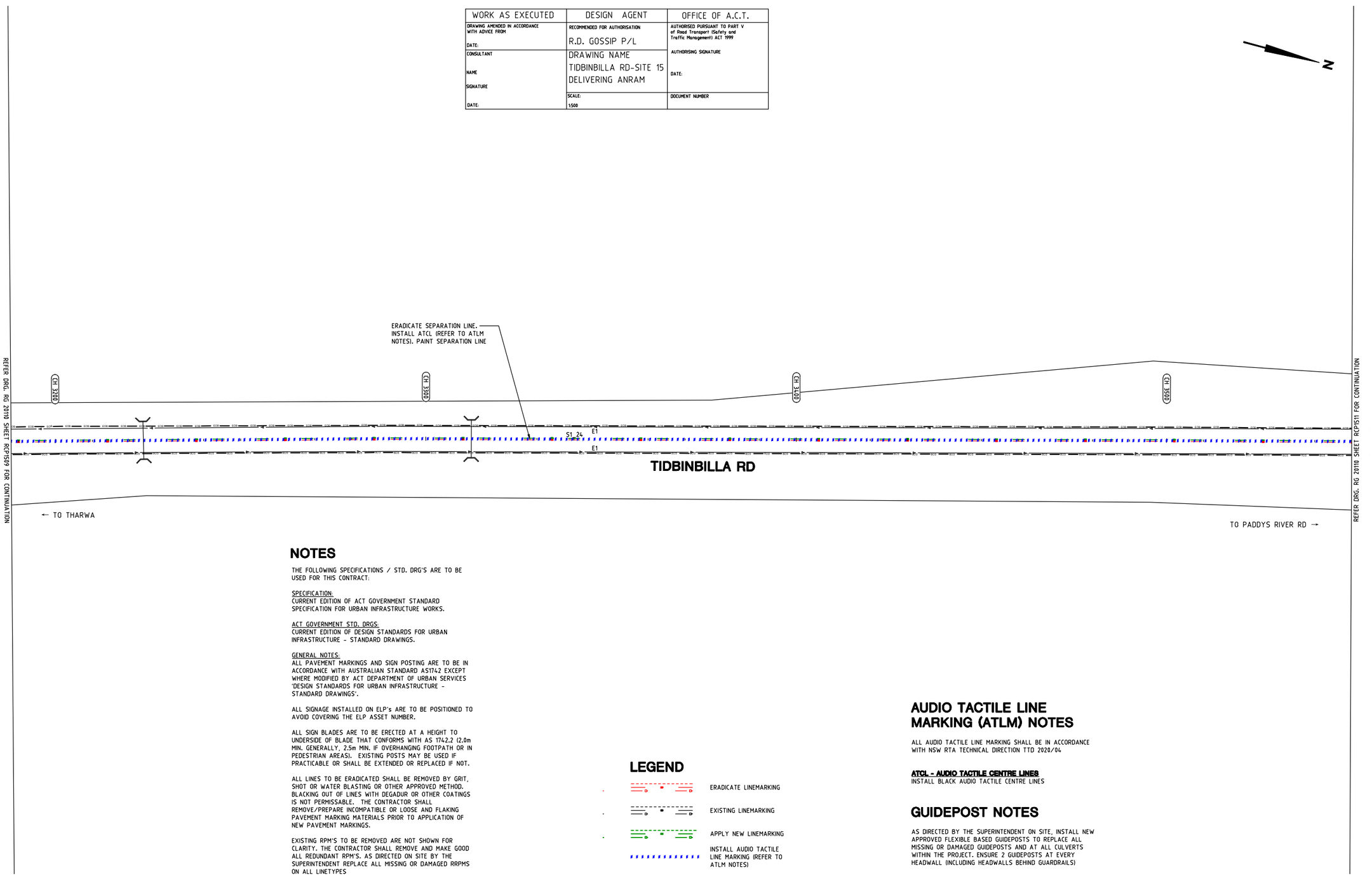
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 09 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1509	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

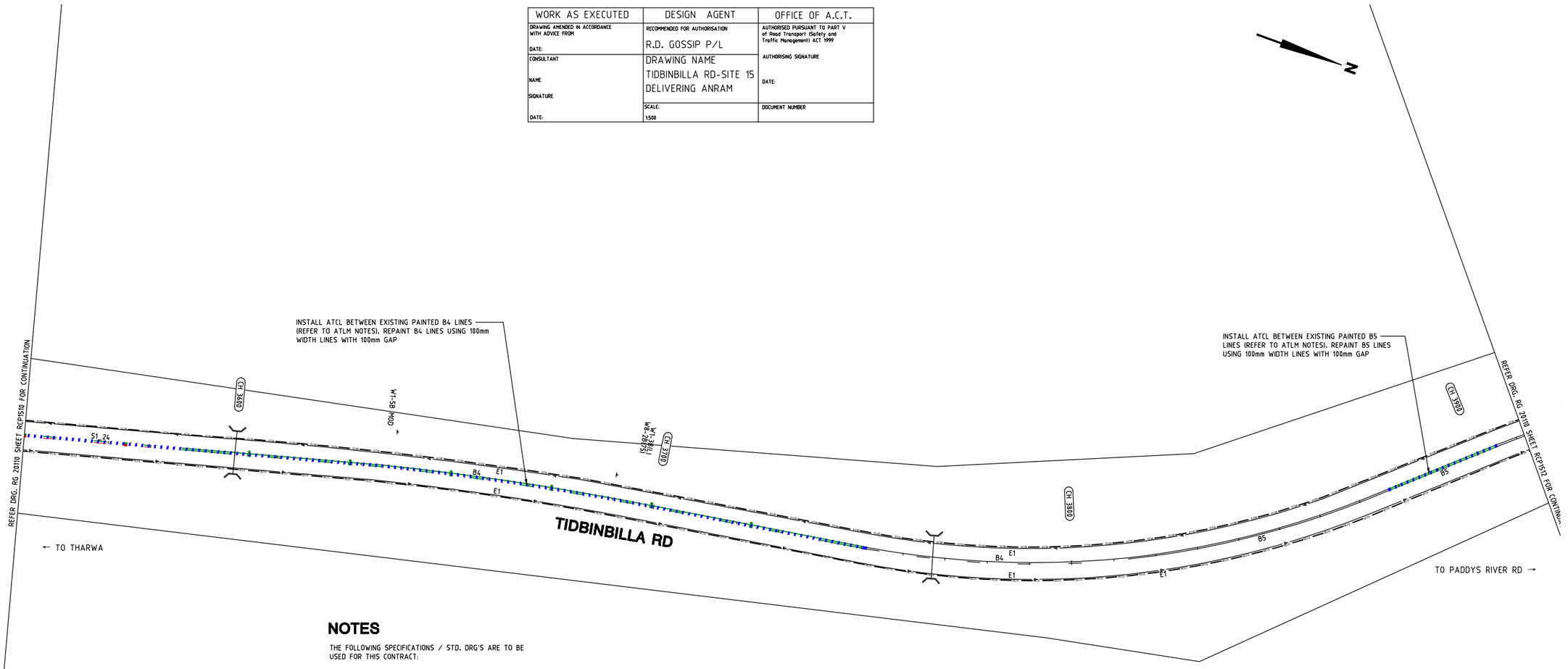
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 10 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1510	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

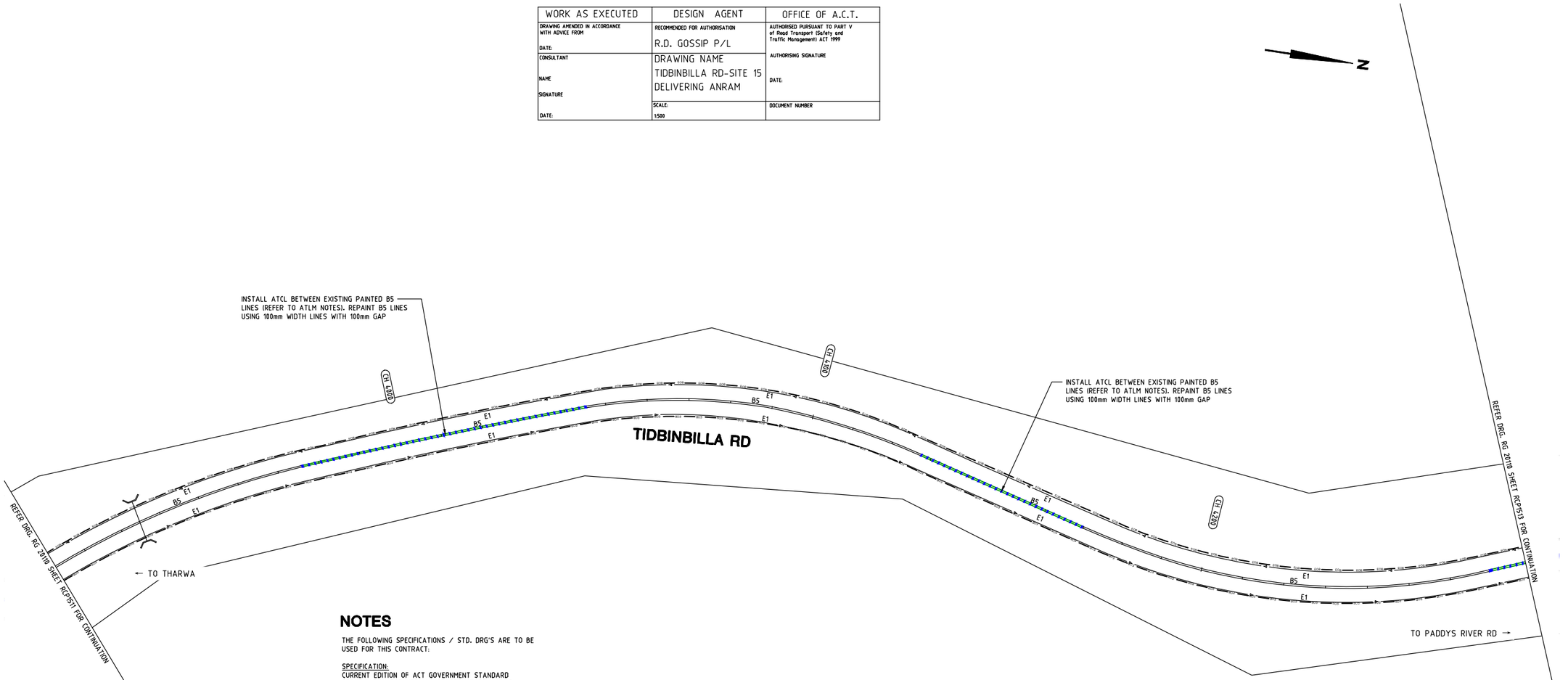
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 11 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1511	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Chaden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

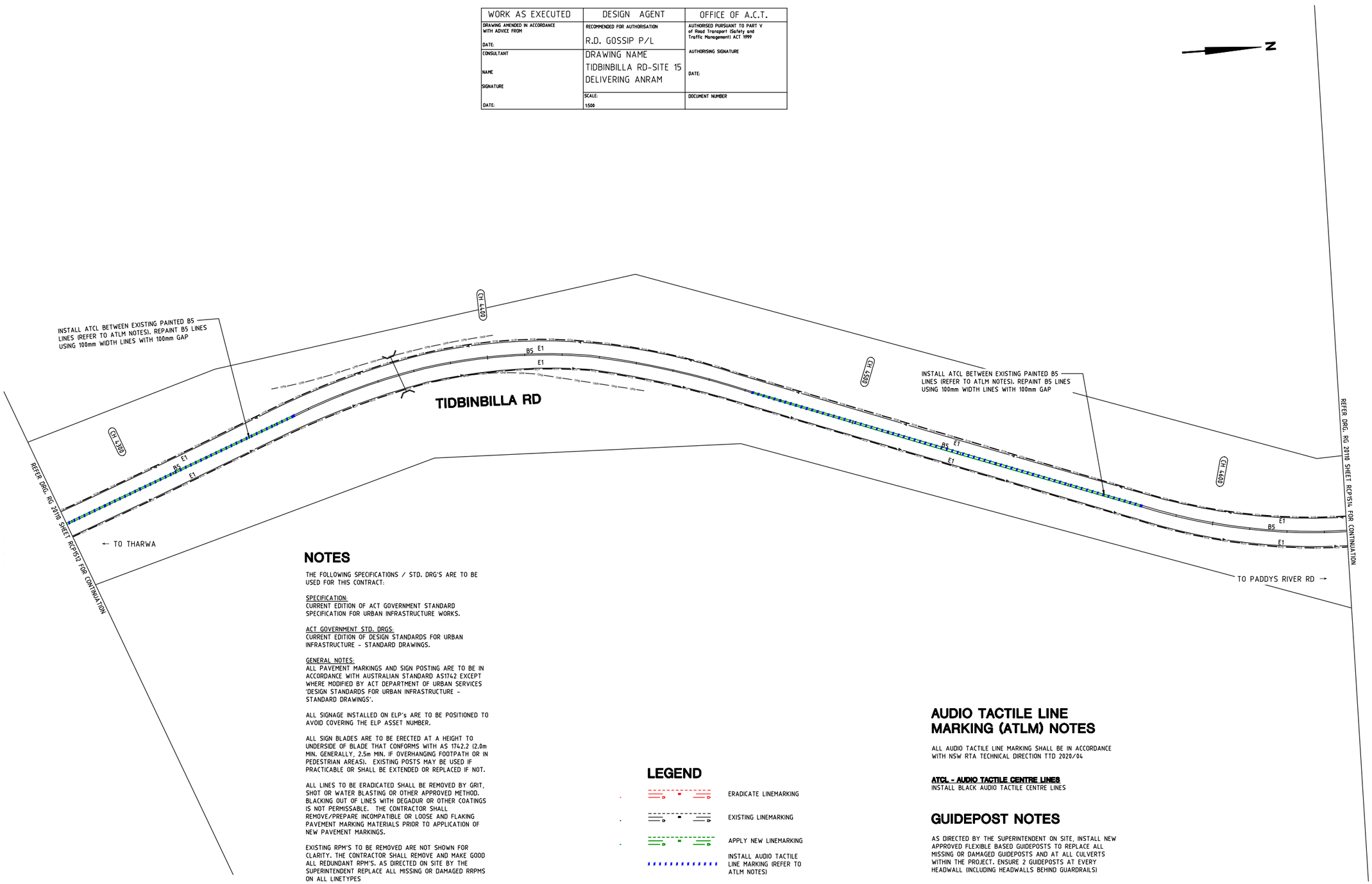
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 12 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1512	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS.
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

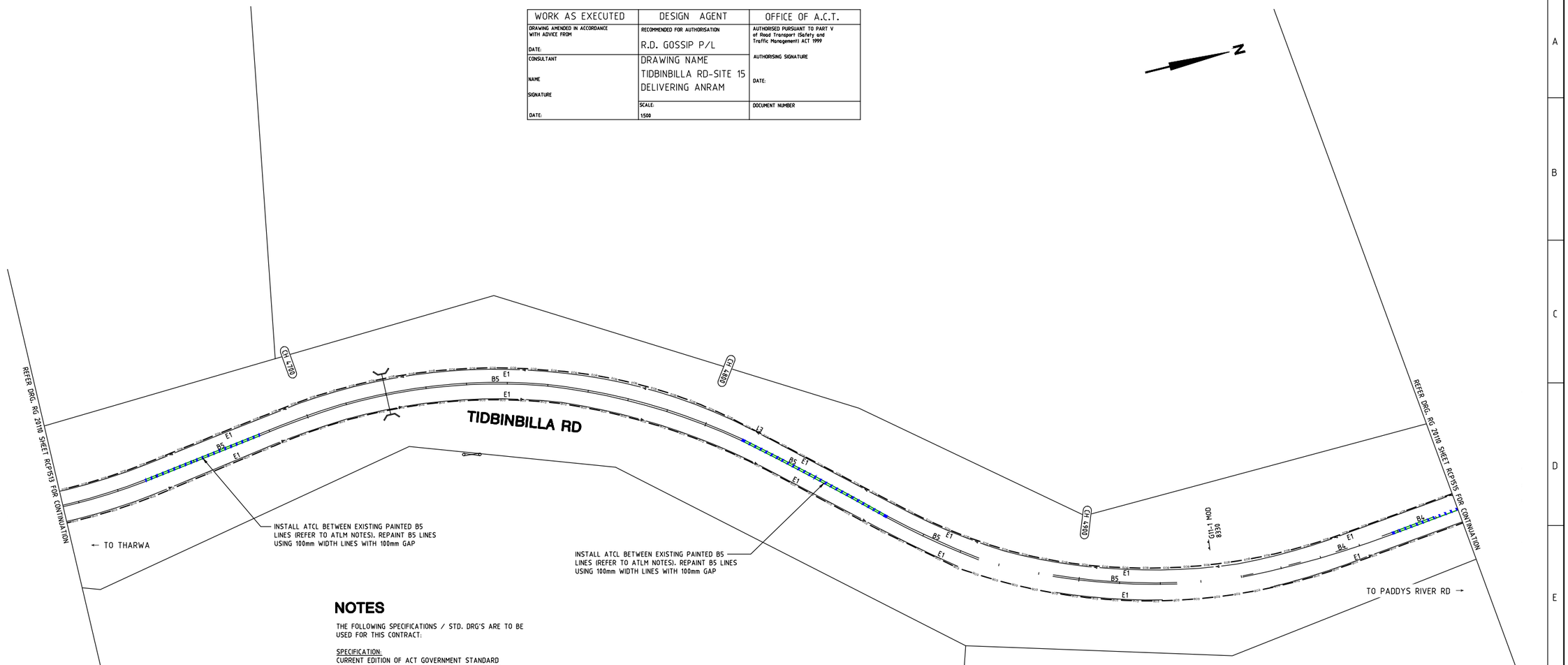
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 13 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1513	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

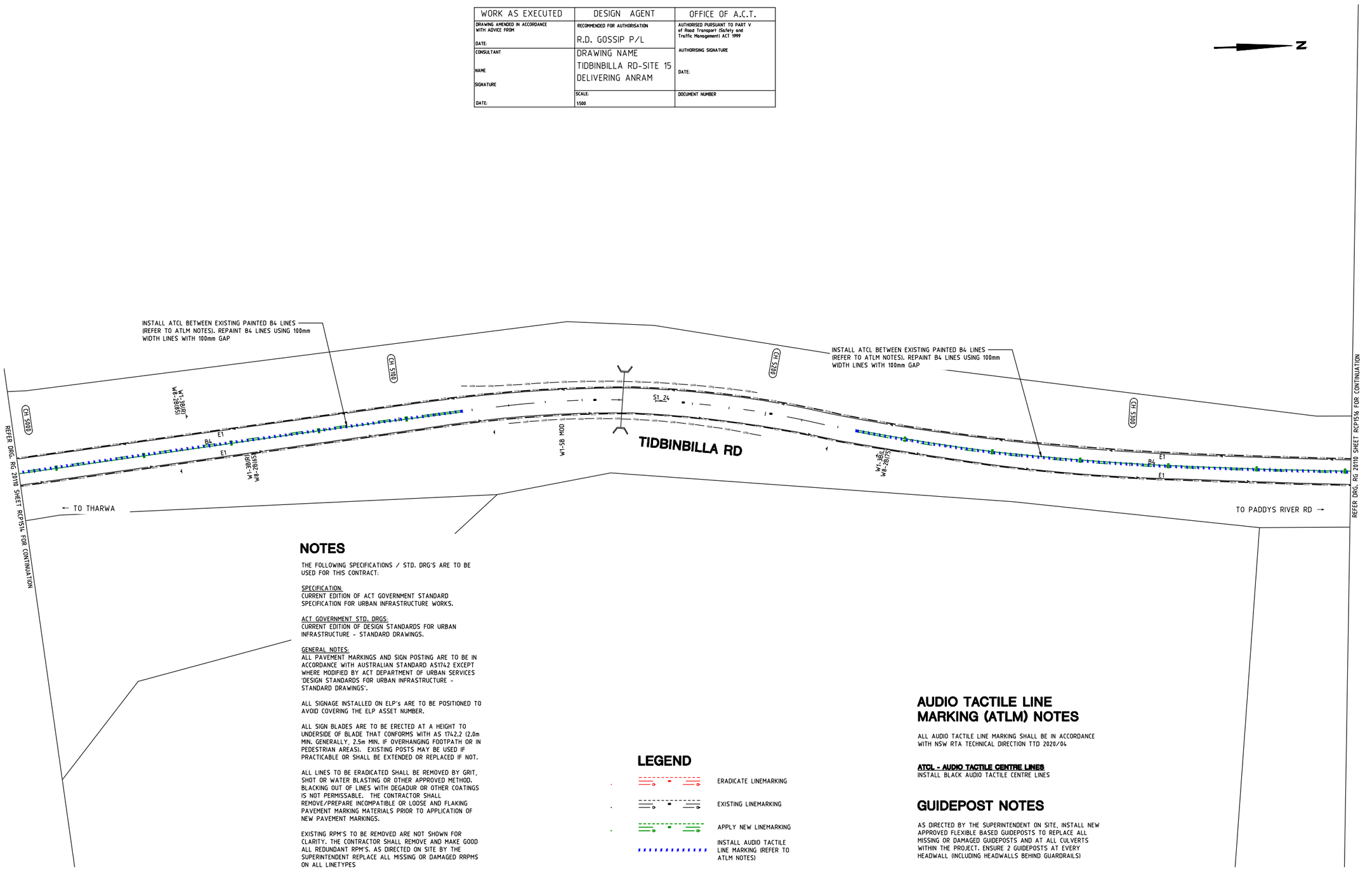
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 14 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1514	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Prevan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

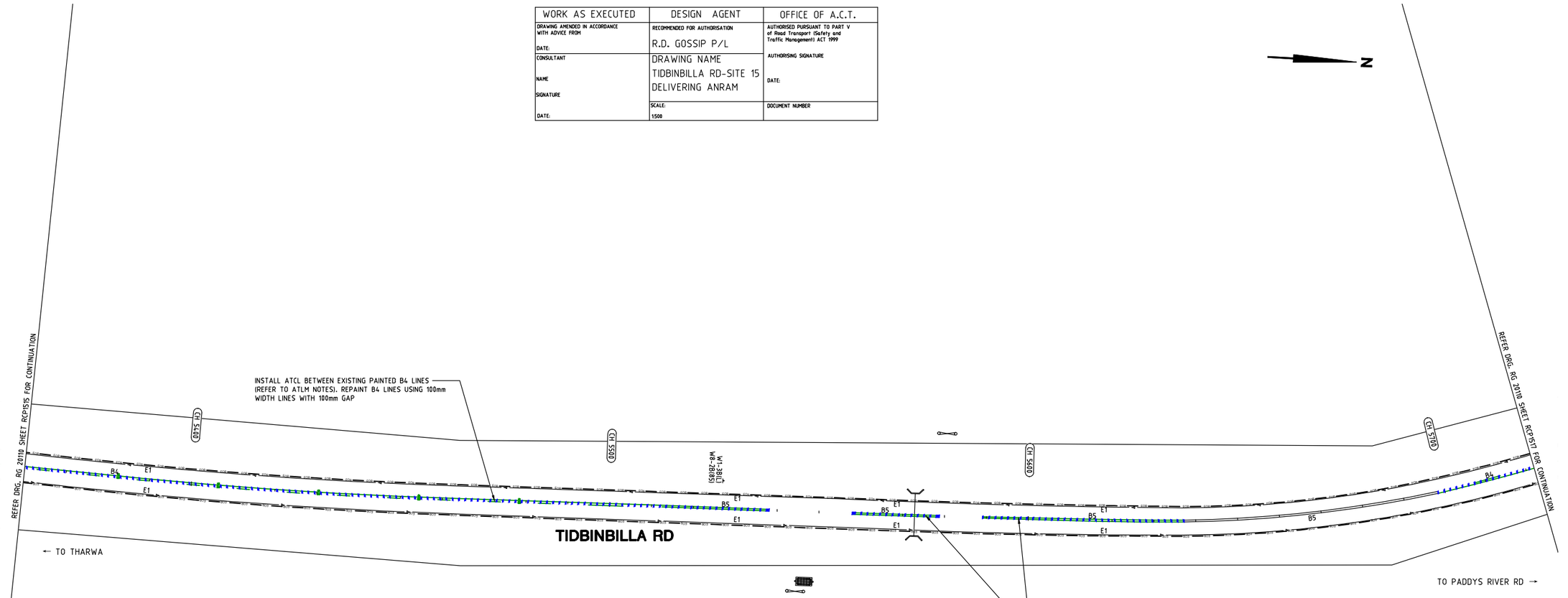
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 15 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1515	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION	HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED			
- -	-	-	-
SIGNS TO BE REMOVED			
- -	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale: 0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent: R.D. Gossip Pty Ltd, Consulting Engineers, Unit 129, 12 Provan Street, Campbell ACT 2612, Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client: Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project: DELIVERING ANRAM
Date: 24/09/21

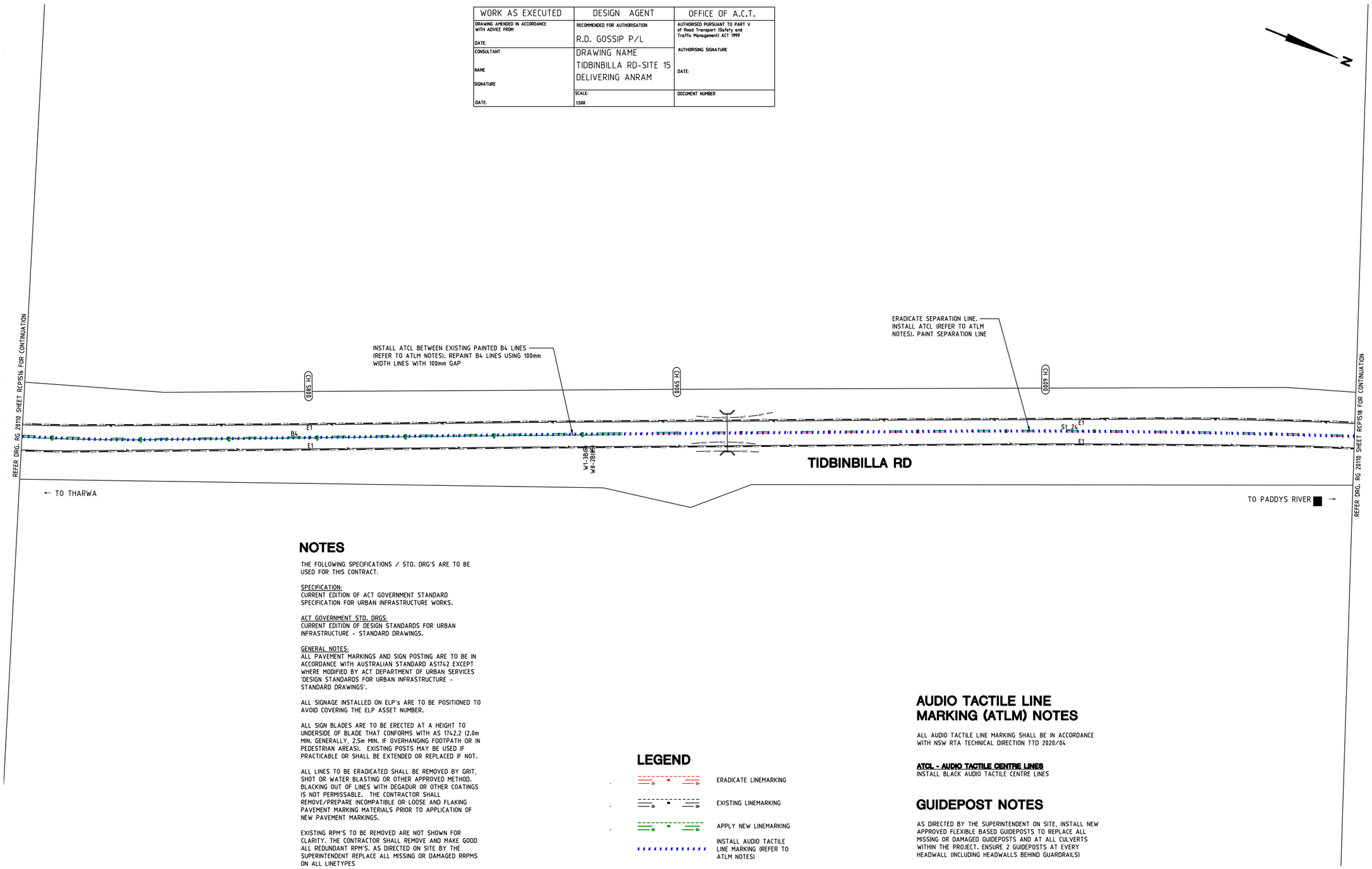
Drawing Title: TIDBINBILLA RD - SITE 15 TRAFFIC CONTROL DEVICE PLAN SHEET 16 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1516	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

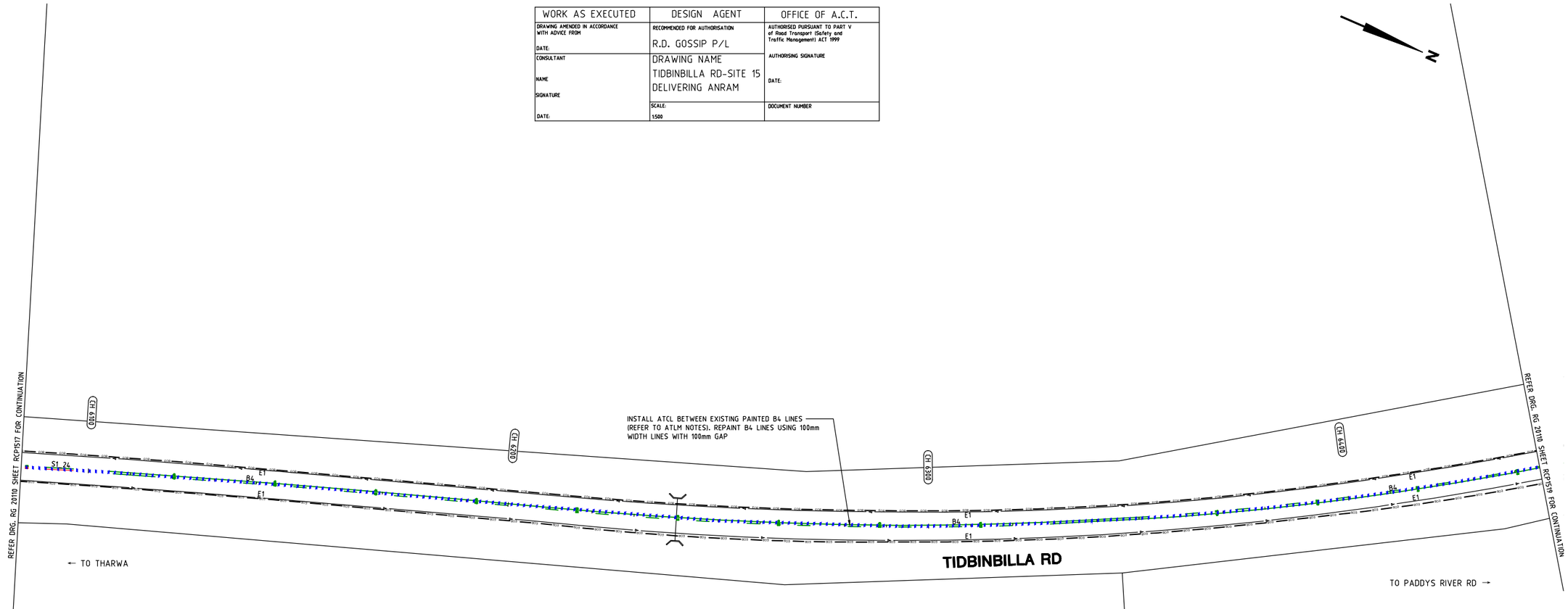
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 17 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1517	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

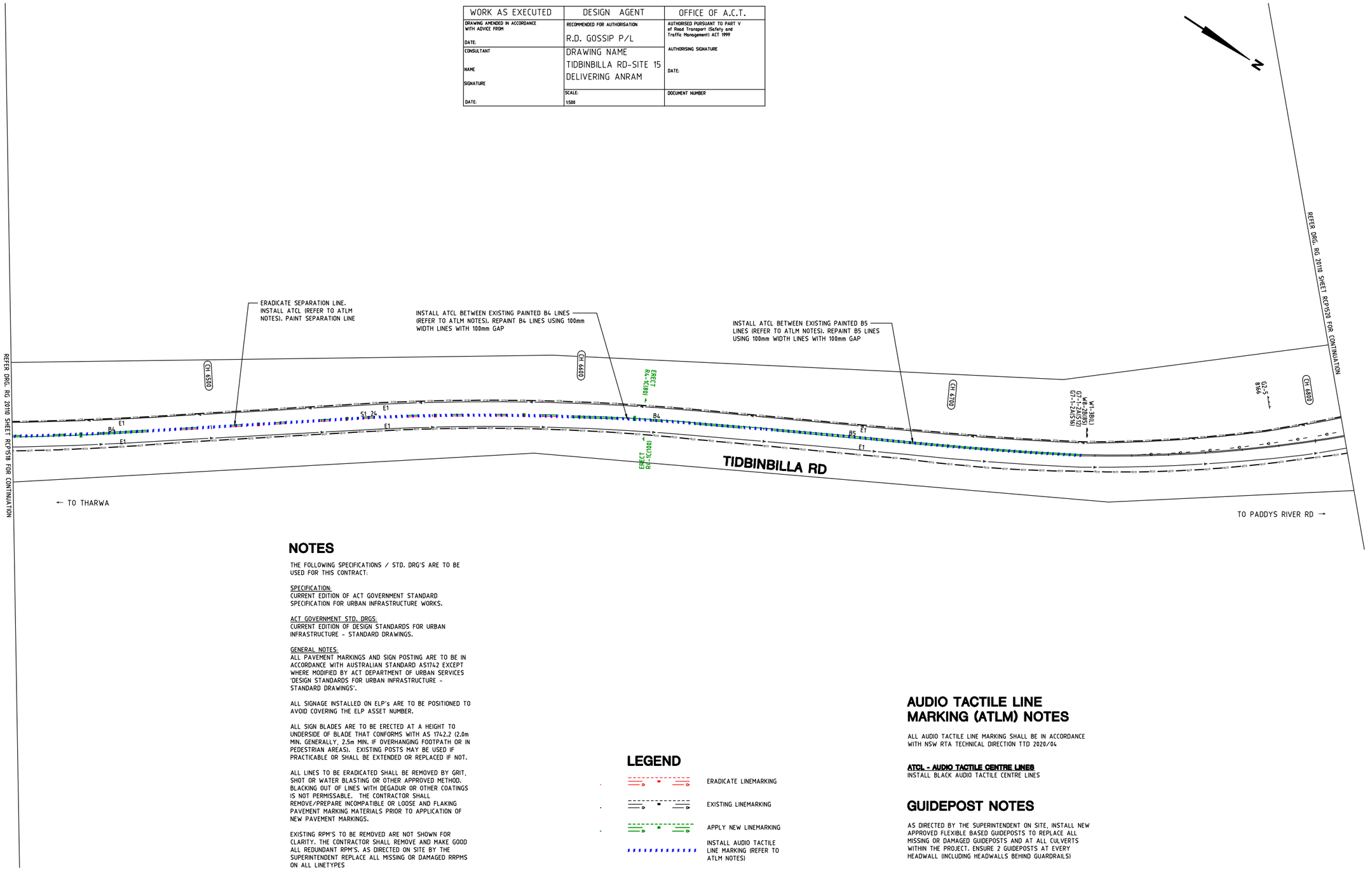
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 18 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1518	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1(80)	SPEED LIMIT(80)	-	C	1
R4-1(100)	SPEED LIMIT(100)	-	C	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 129, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

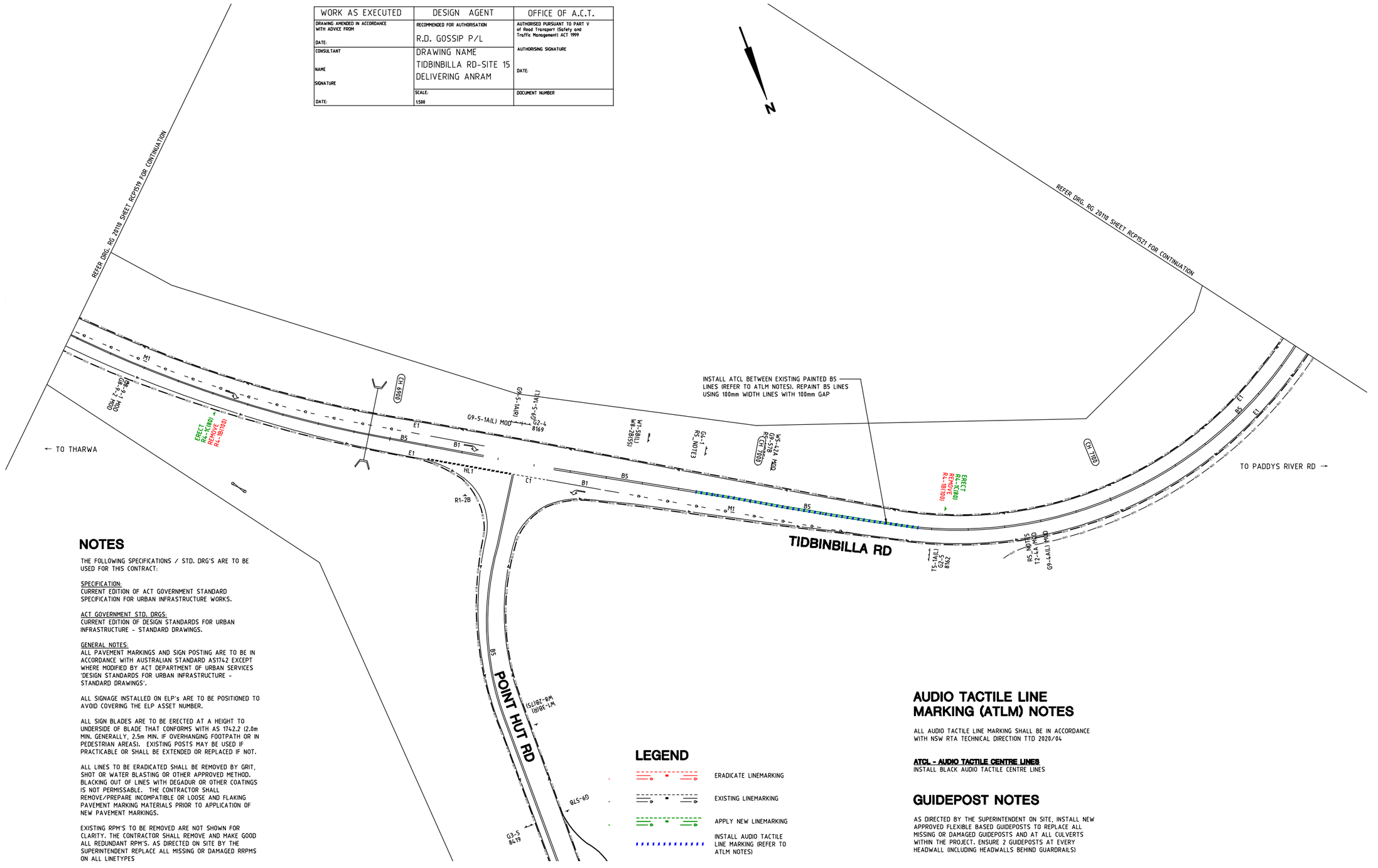
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 19 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1519	0

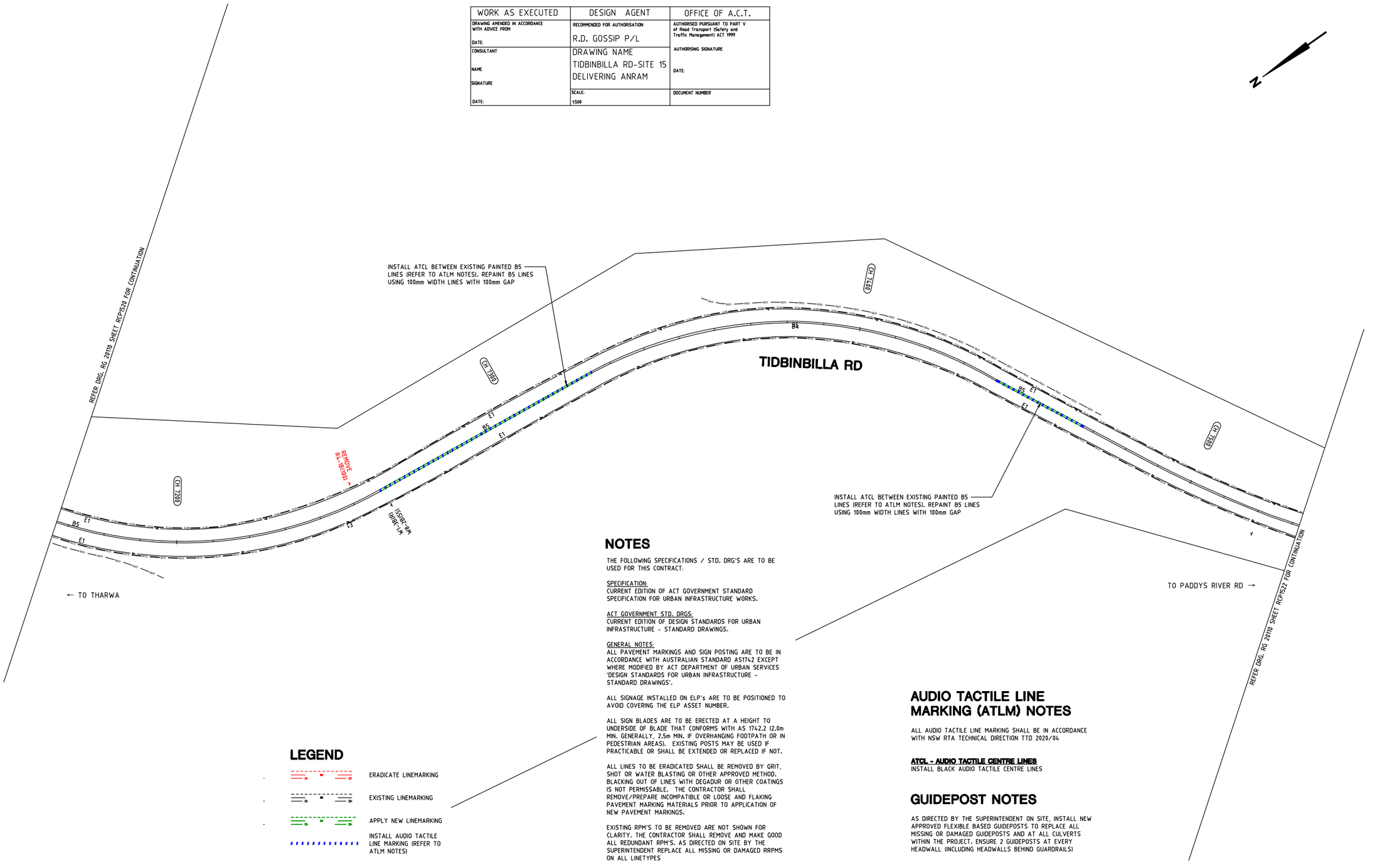
X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER


REFER DRG. RG 20110 SHEET RCP1519 FOR CONTINUATION
REFER DRG. RG 20110 SHEET RCP1521 FOR CONTINUATION
N
INSTALL ATCL BETWEEN EXISTING PAINTED B5 LINES (REFER TO ATLM NOTES). REPAINT B5 LINES USING 100mm WIDTH LINES WITH 100mm GAP
← TO THARWA
TO PADDYS RIVER RD →
TIDBINBILLA RD
POINT HUT RD
M1
B5
E1
B1
HL1
C1
R1-2B
CH 6900
CH 7000
CH 7100
G9-5-1A(L) MOD
G2-4 8169
G9-5-1A(L) MOD
G9-5-1A(L) MOD
G9-5-1A(L) MOD

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
R4-1(100)	SPEED LIMIT(100)	-	B	1

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

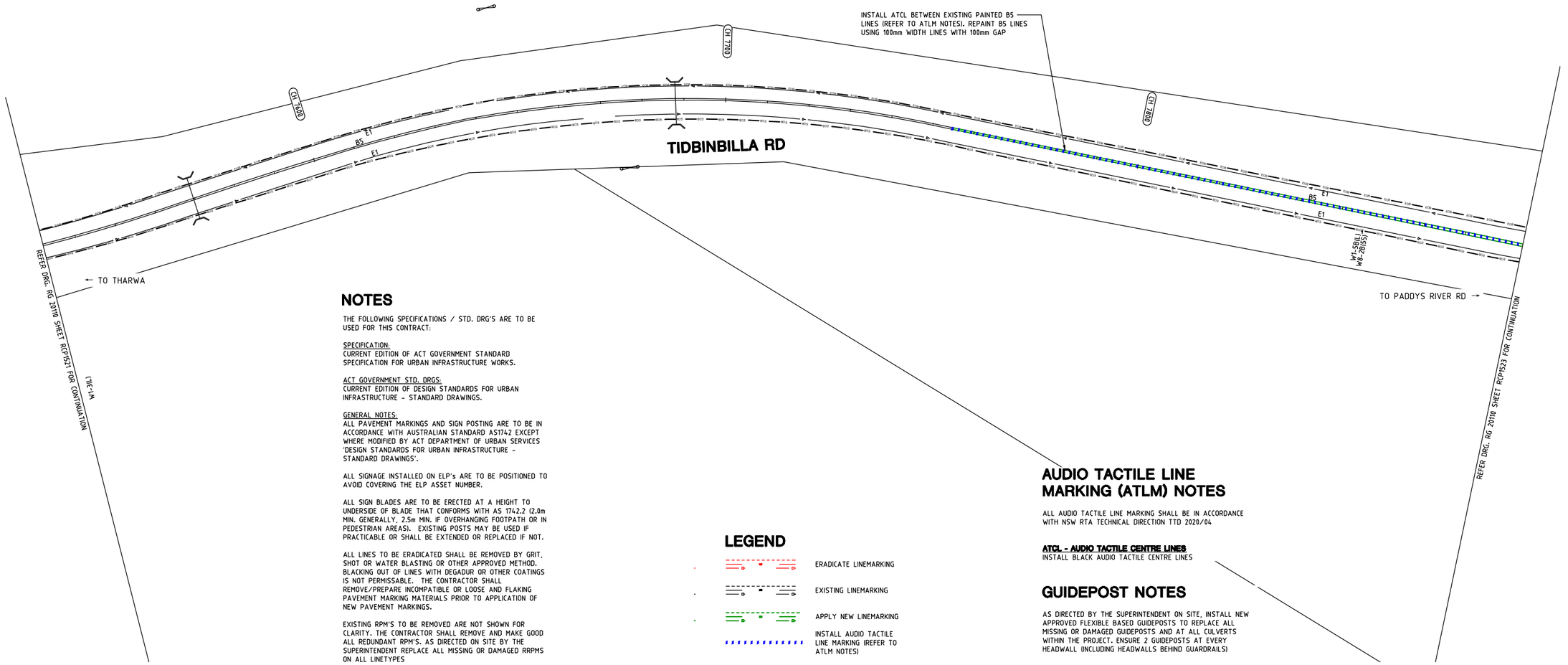
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 21 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1521	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

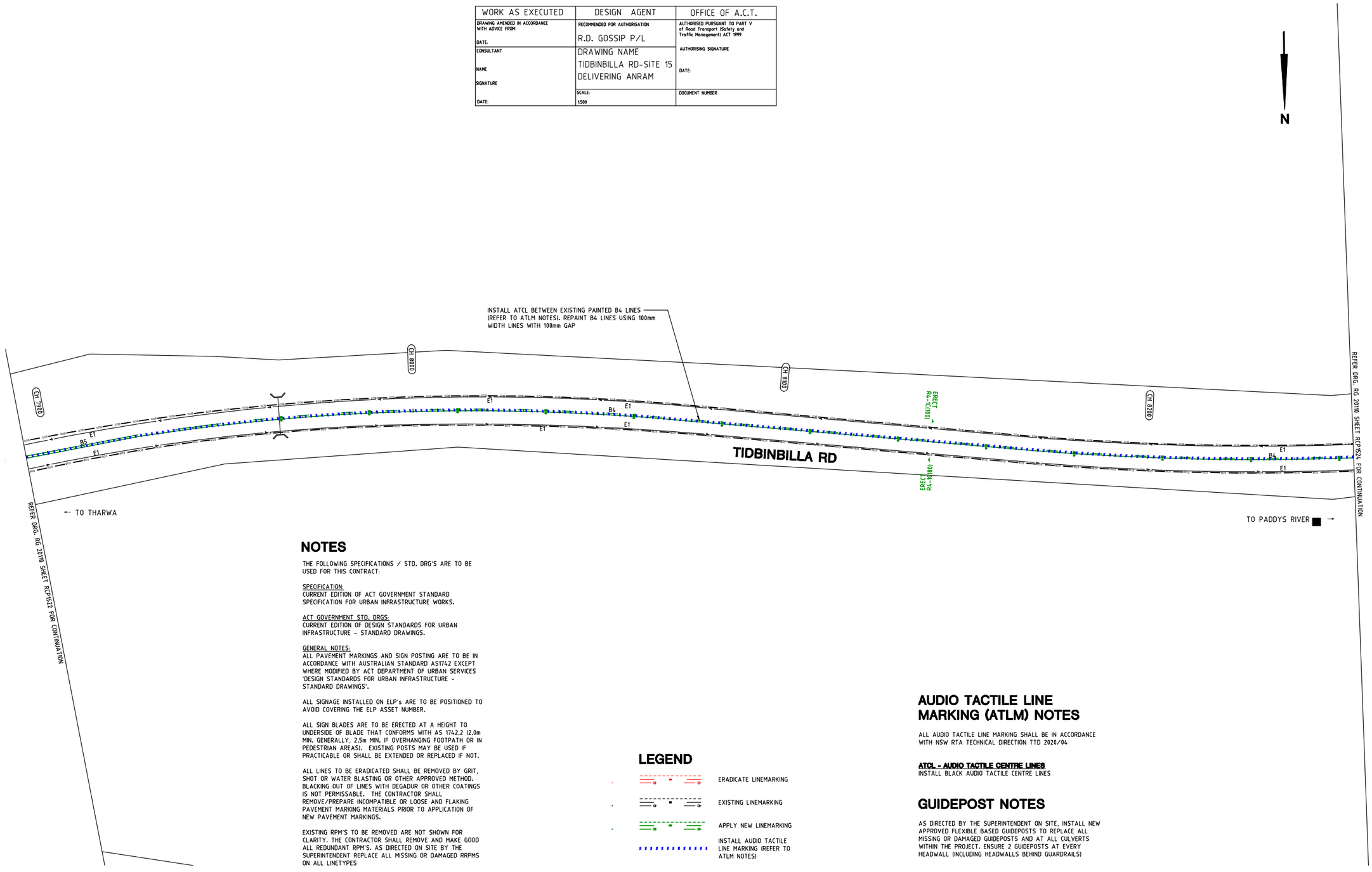
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 22 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1522	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
R4-1(80)	SPEED LIMIT(80)	-	C	1
R4-1(100)	SPEED LIMIT(100)	-	C	1
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date
24/09/21

Drawing Title

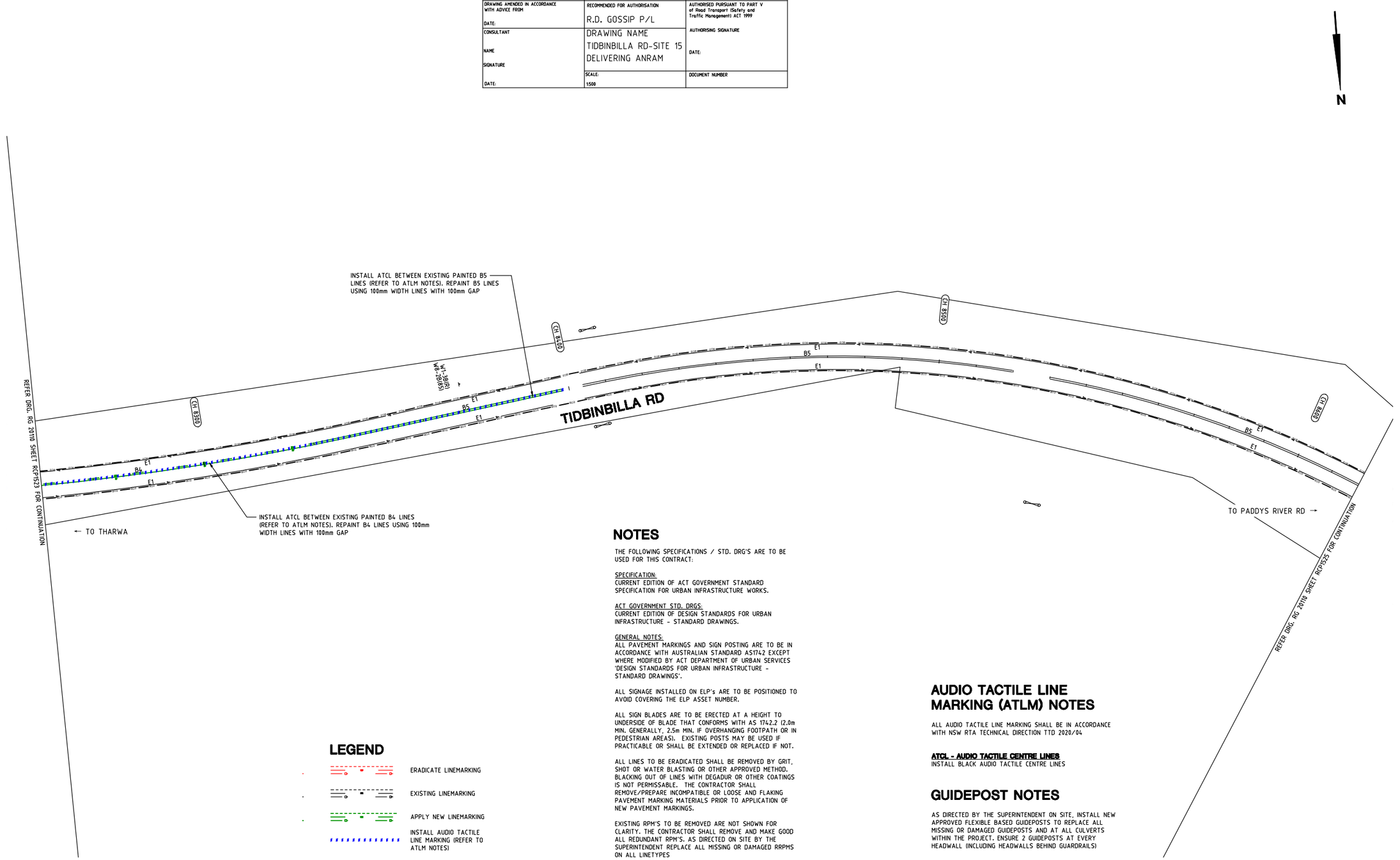
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 23 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1523	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

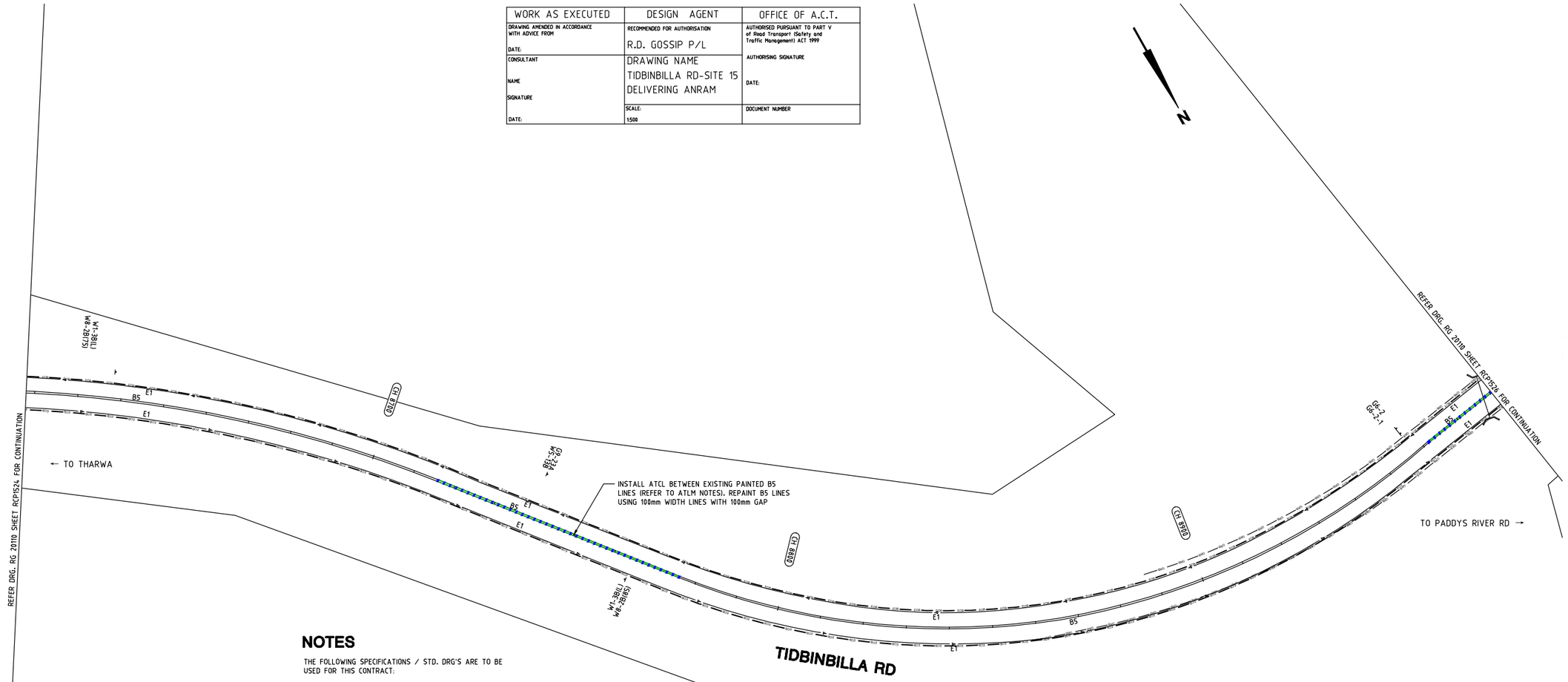
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 24 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1524	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

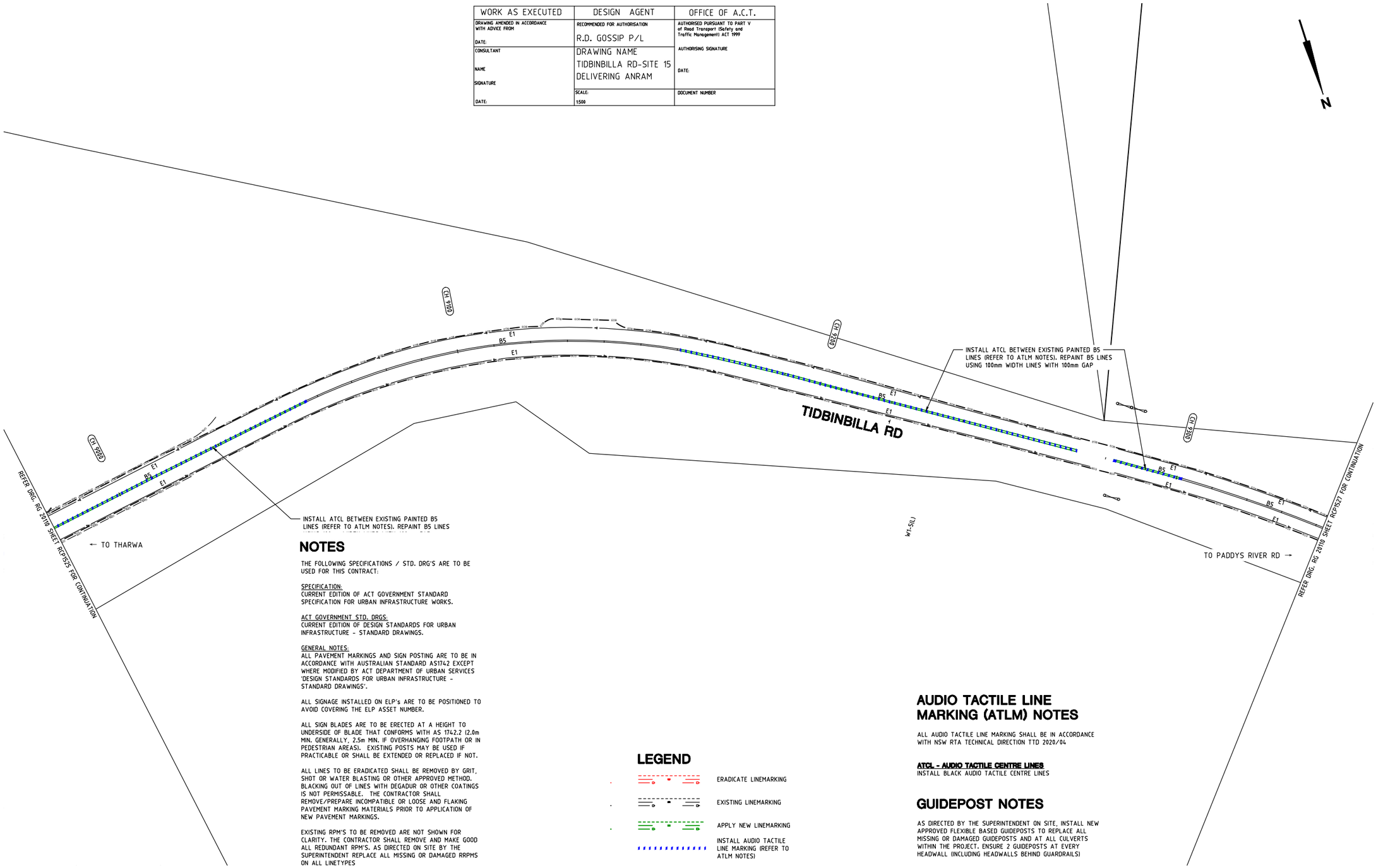
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 25 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1525	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph. 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

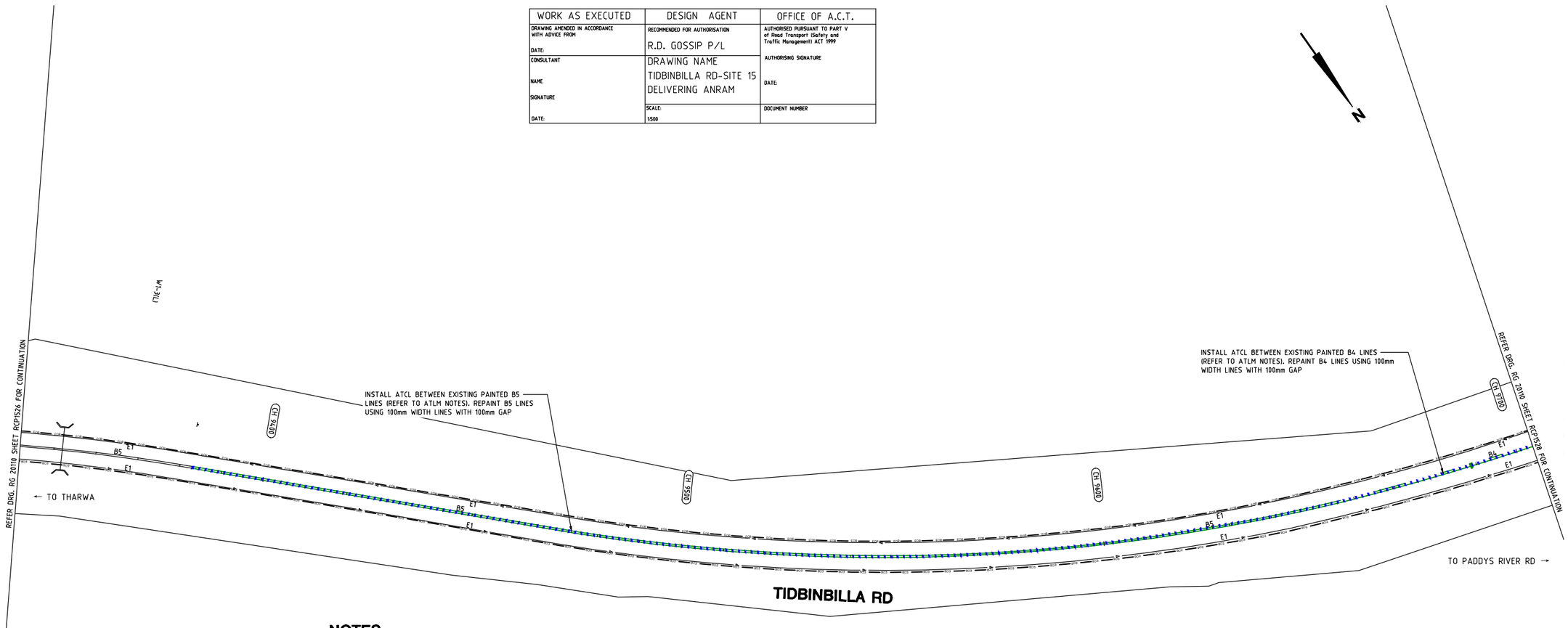
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 26 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1526	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1500	DATE: DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE			
DESCRIPTION	HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED			
- -	-	-	-
SIGNS TO BE REMOVED			
- -	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

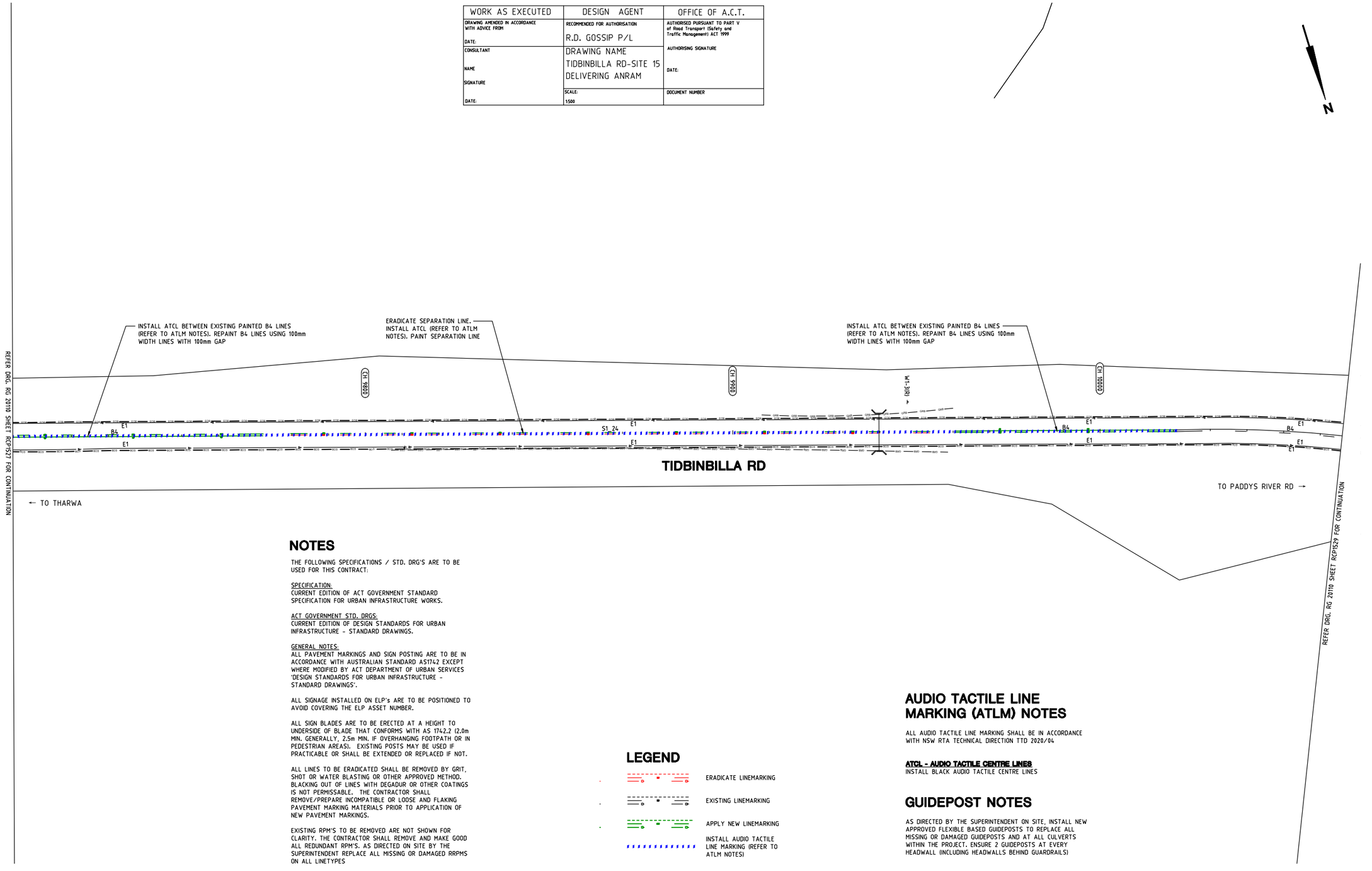
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 27 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1527	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

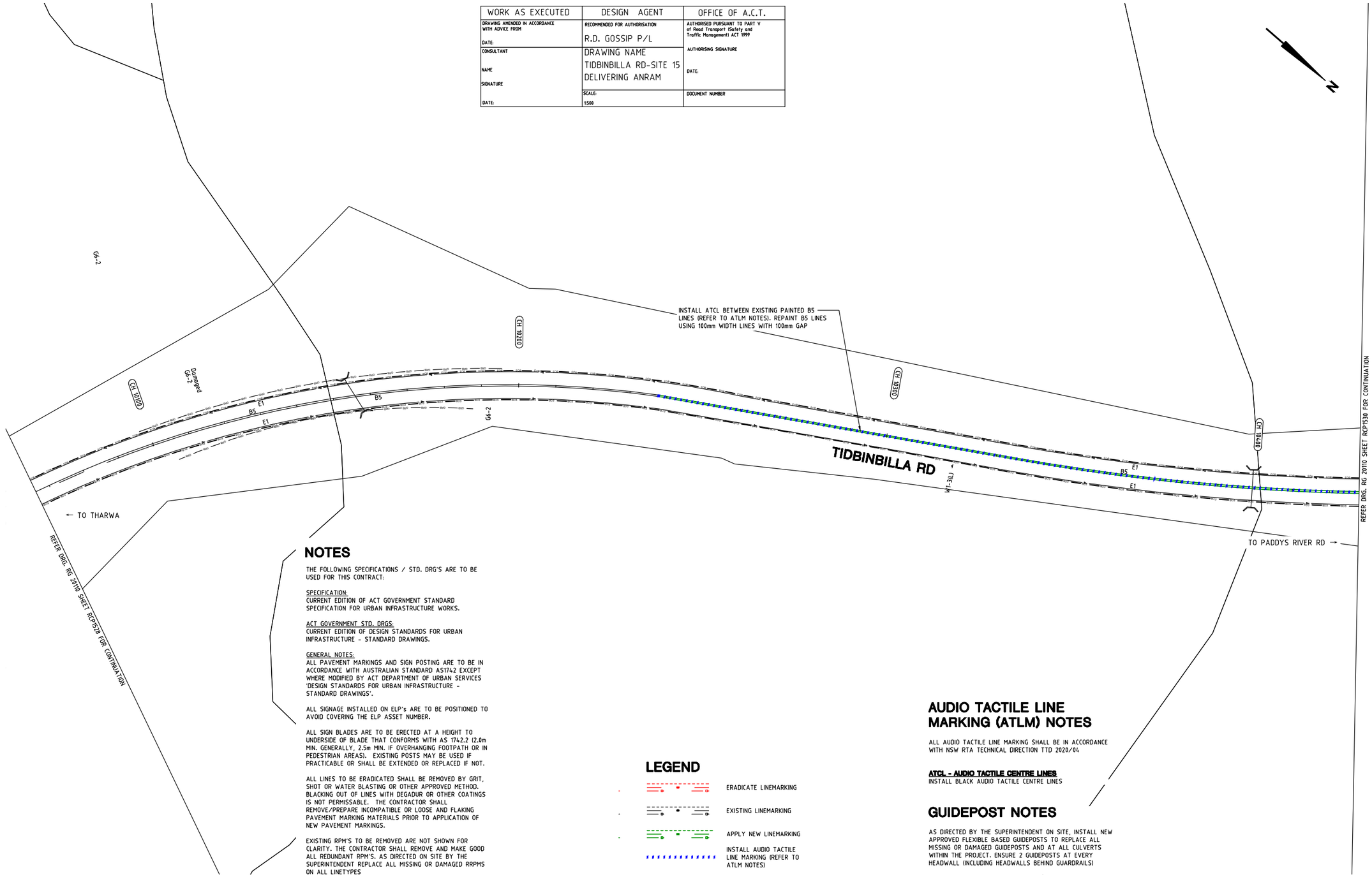
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 28 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1528	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

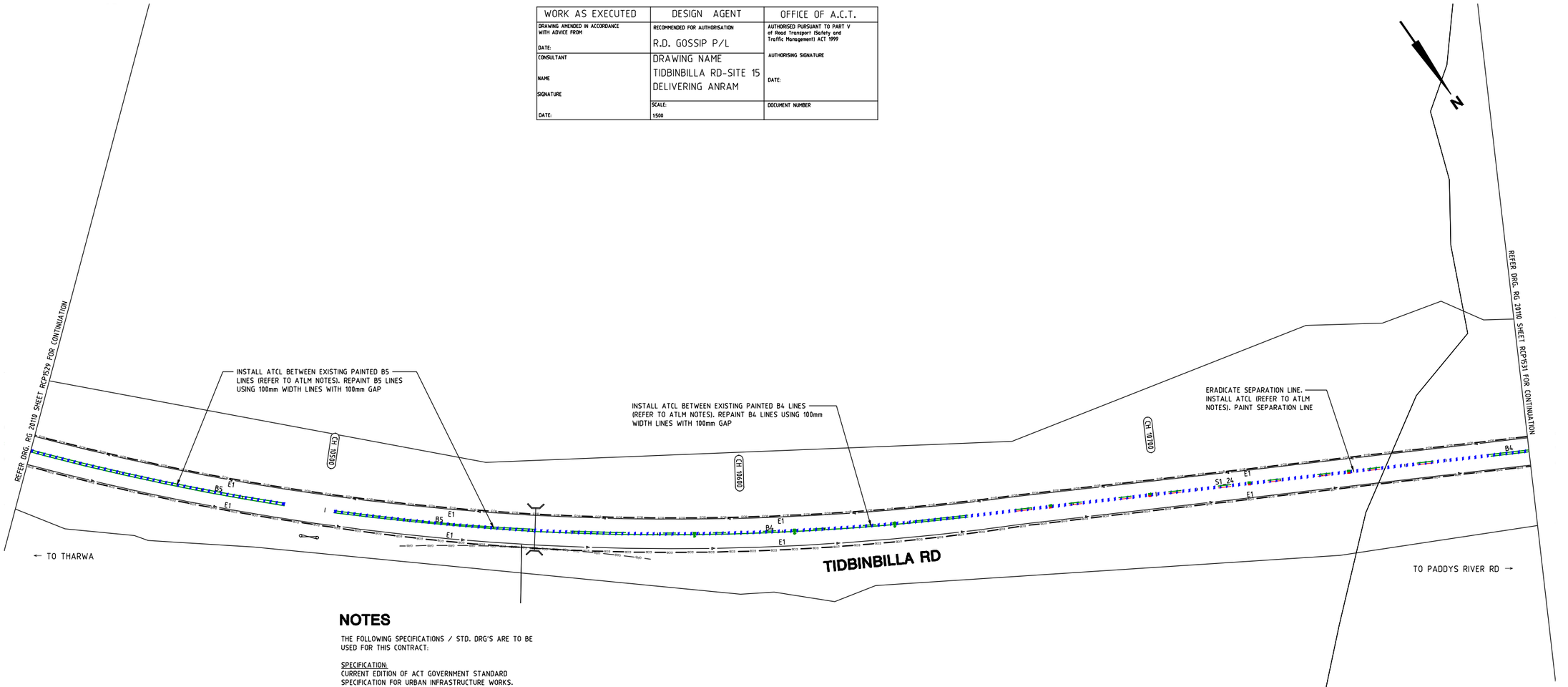
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 29 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1529	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

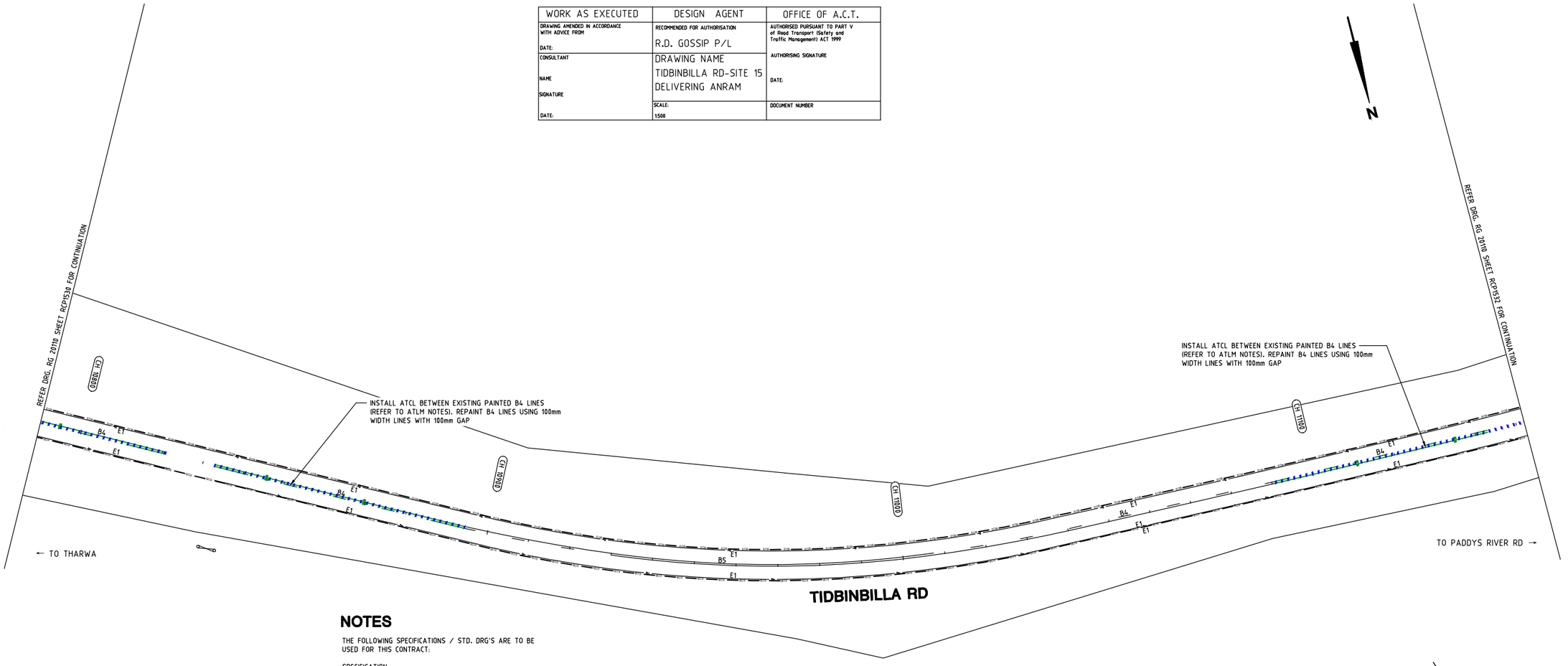
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 30 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1530	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS.
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

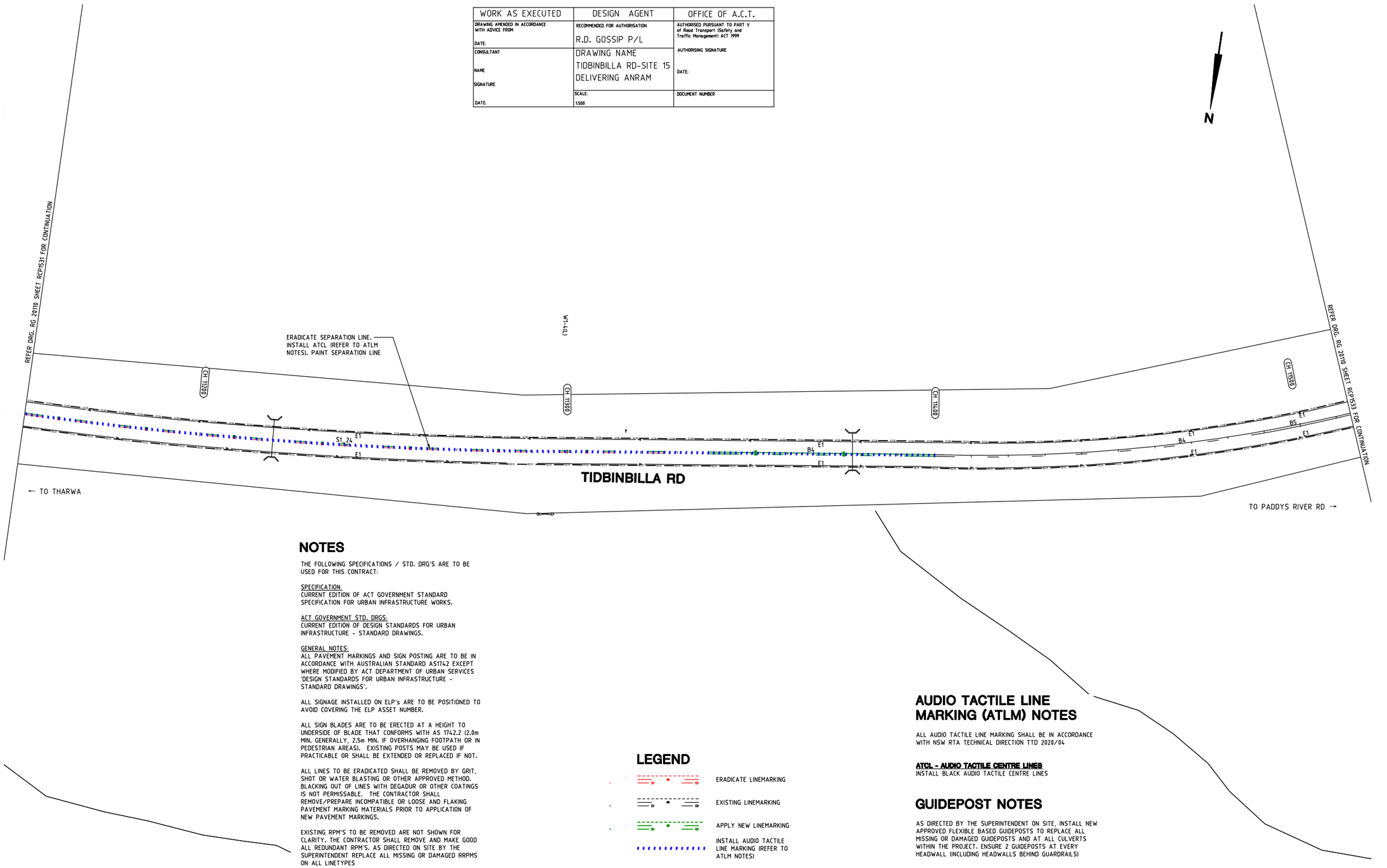
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 31 OF 48

Date	Drg. No.	Sheet	Revision
24/09/21	RG 20110	RCP1531	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

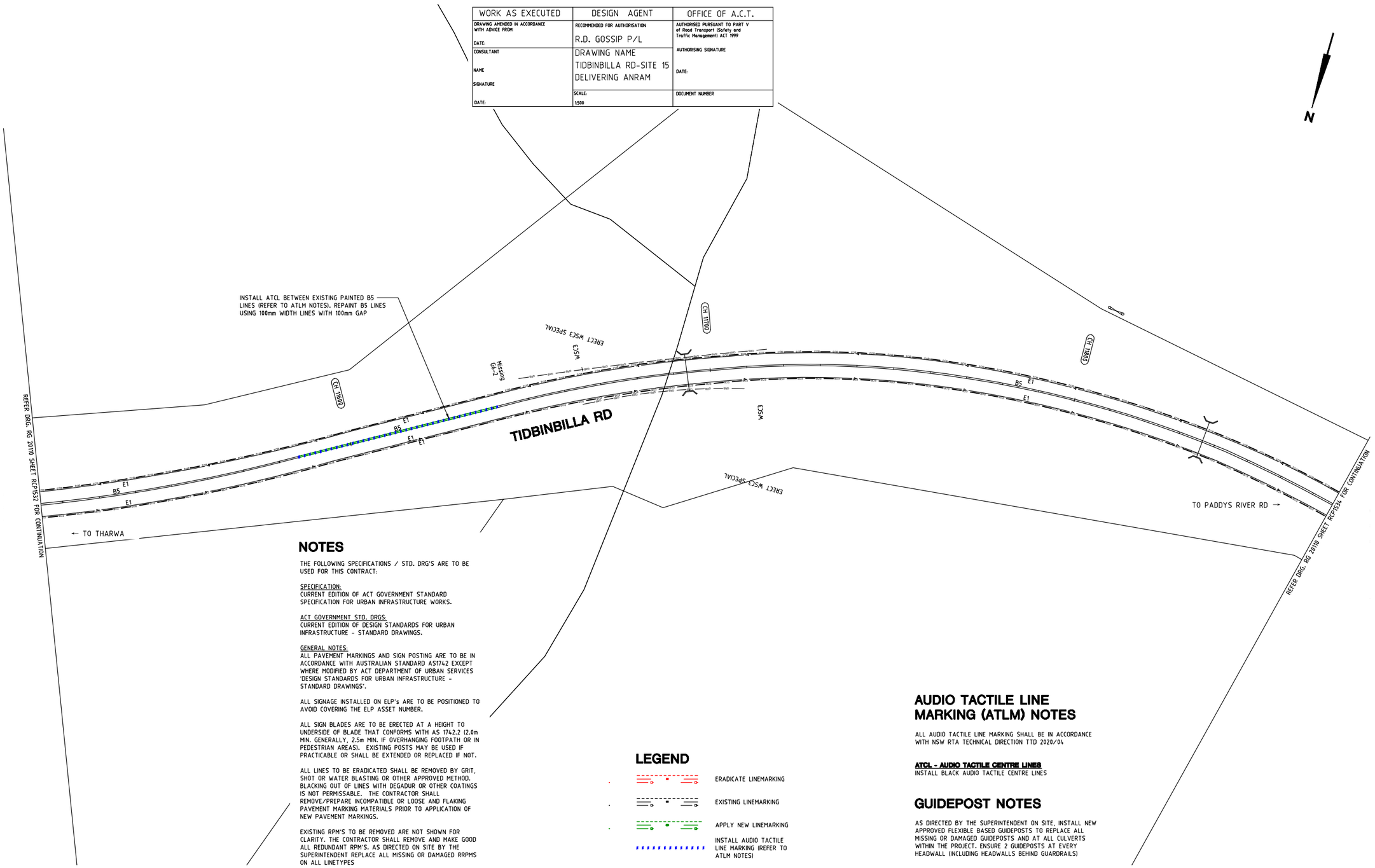
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 32 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1532	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS		
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

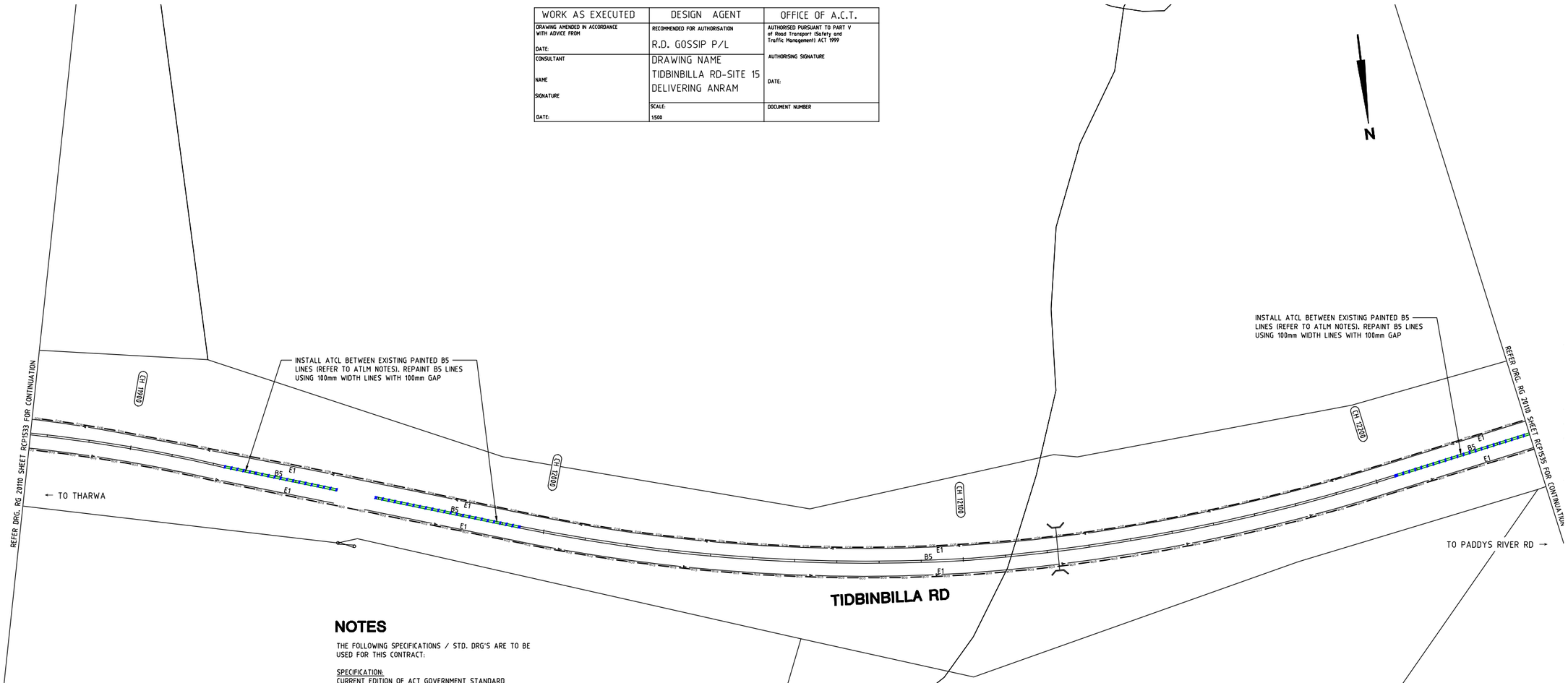
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 33 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1533	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

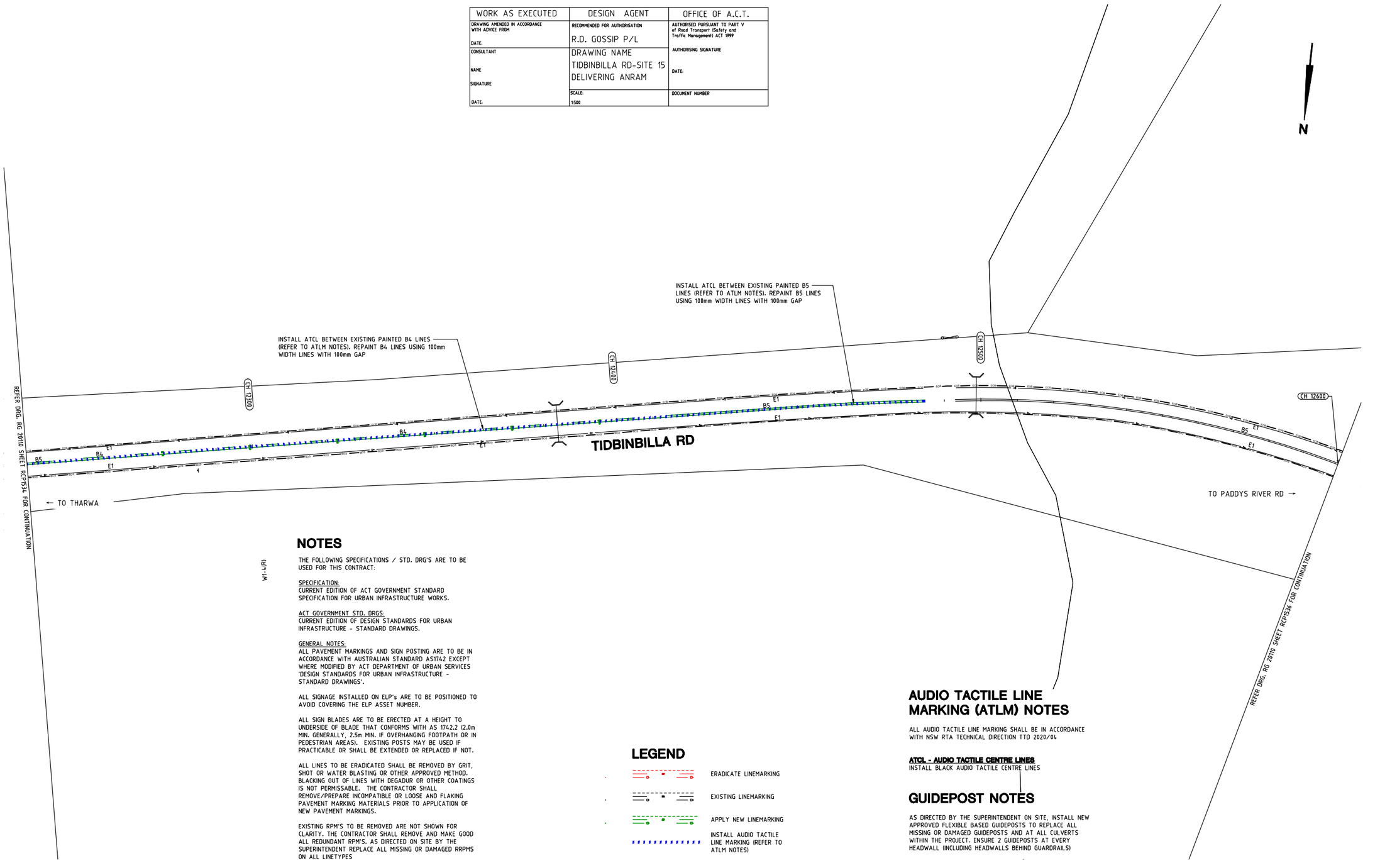
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 34 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1534	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

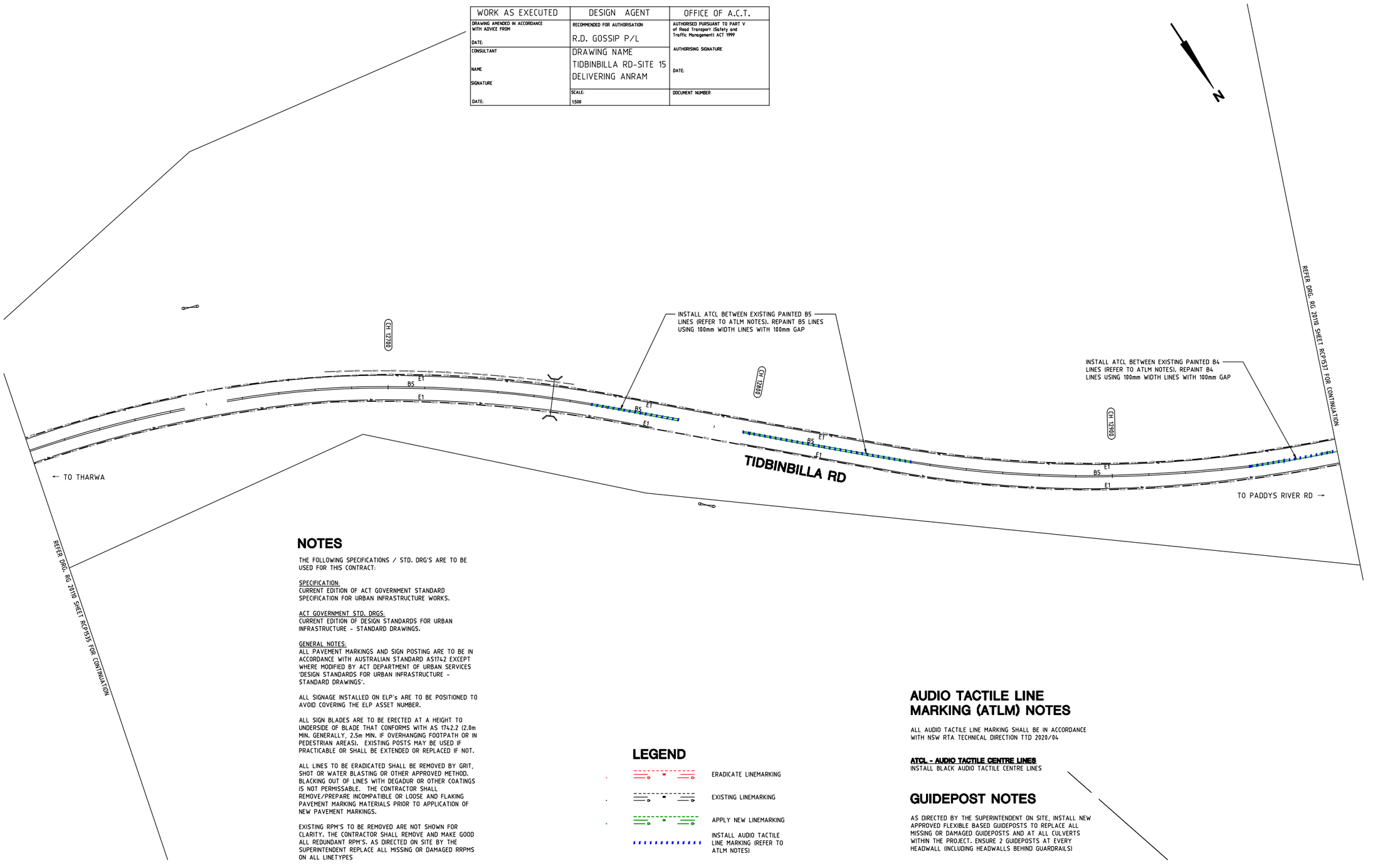
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 35 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1535	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6353

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

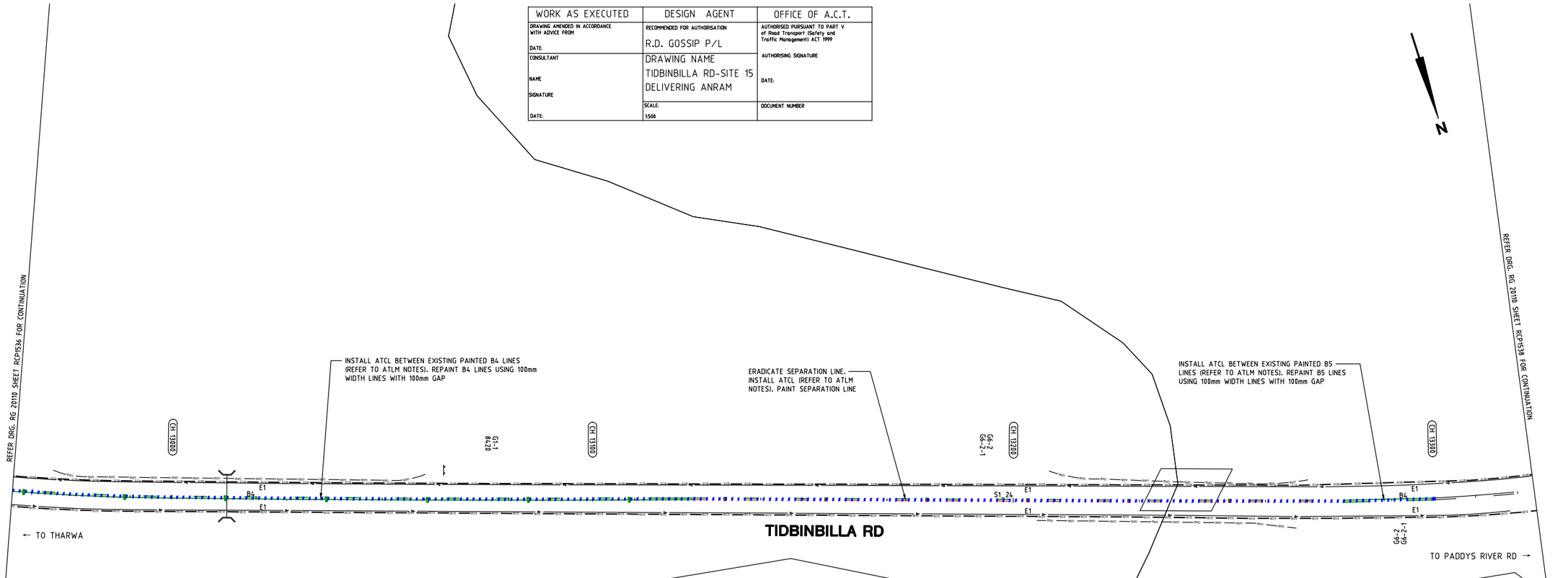
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 36 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1536	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

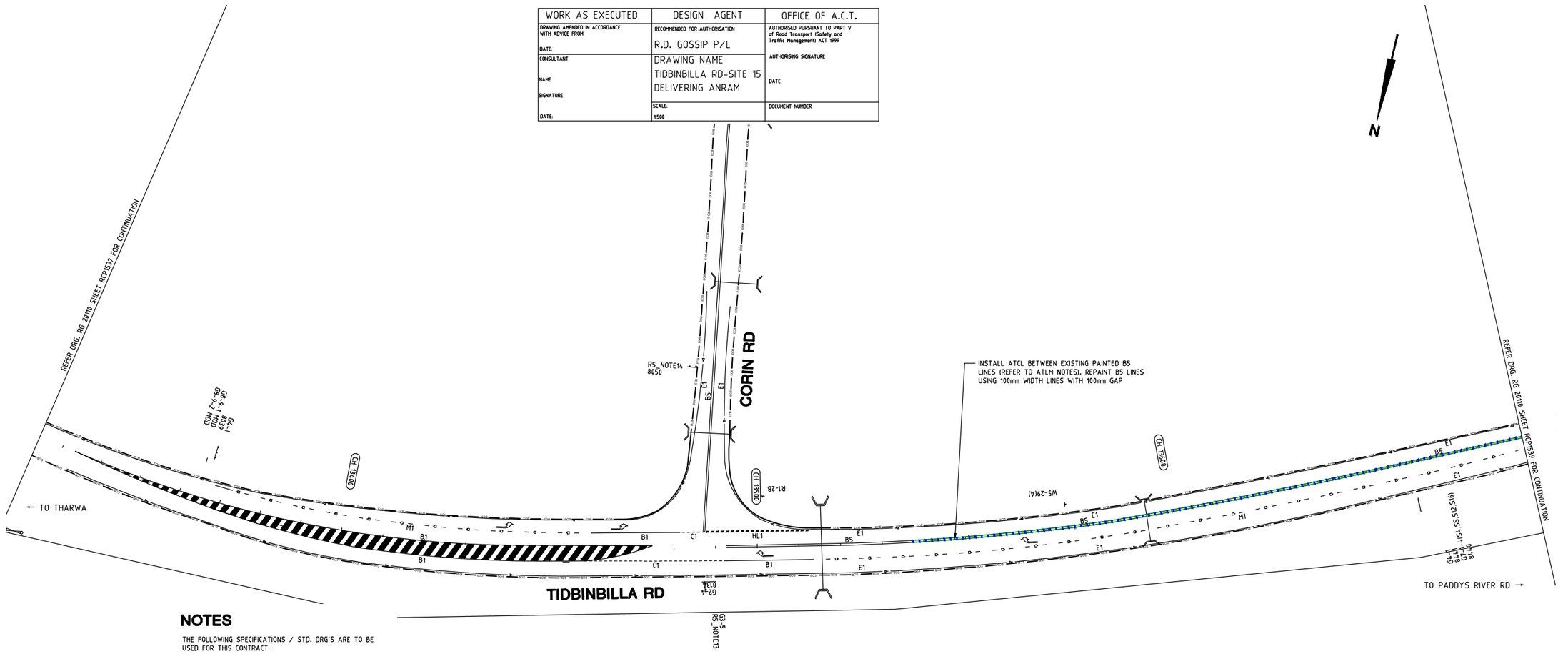
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 37 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1537	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

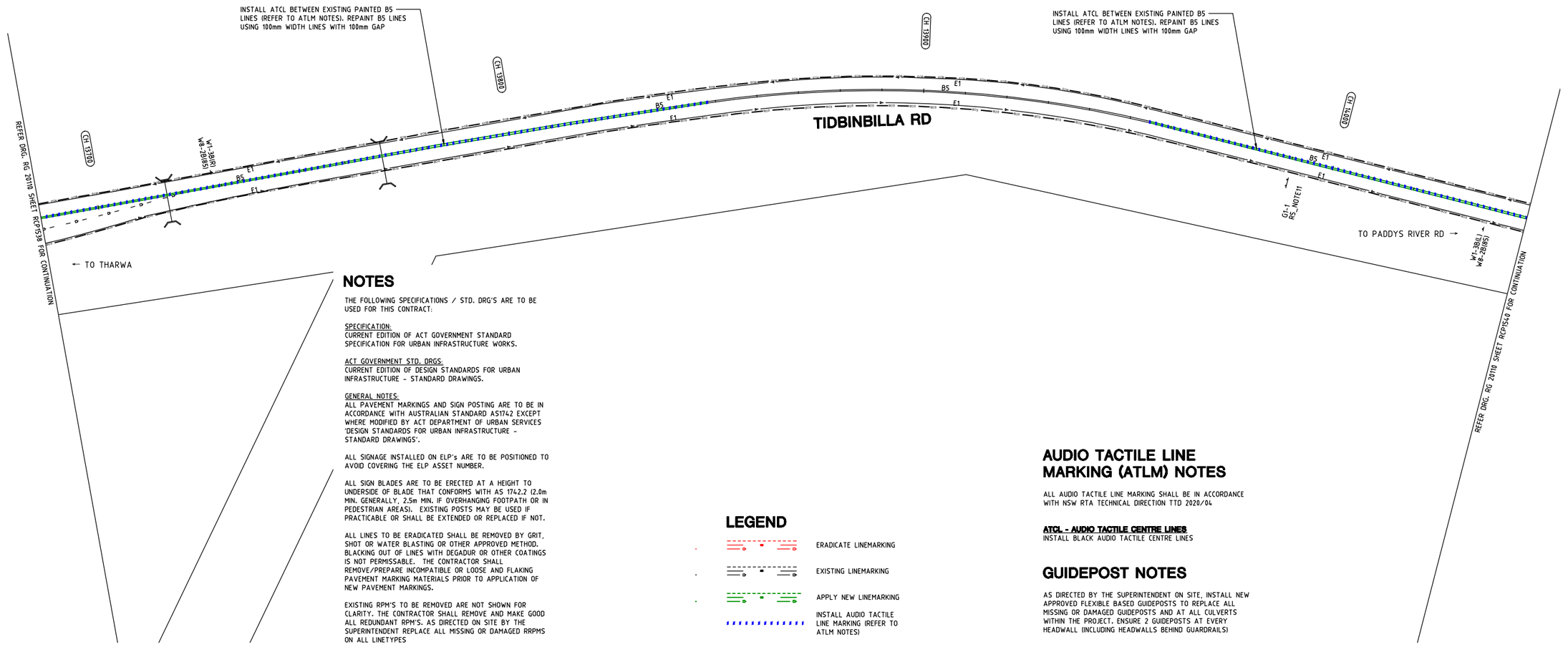
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 38 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1538	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS		
AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

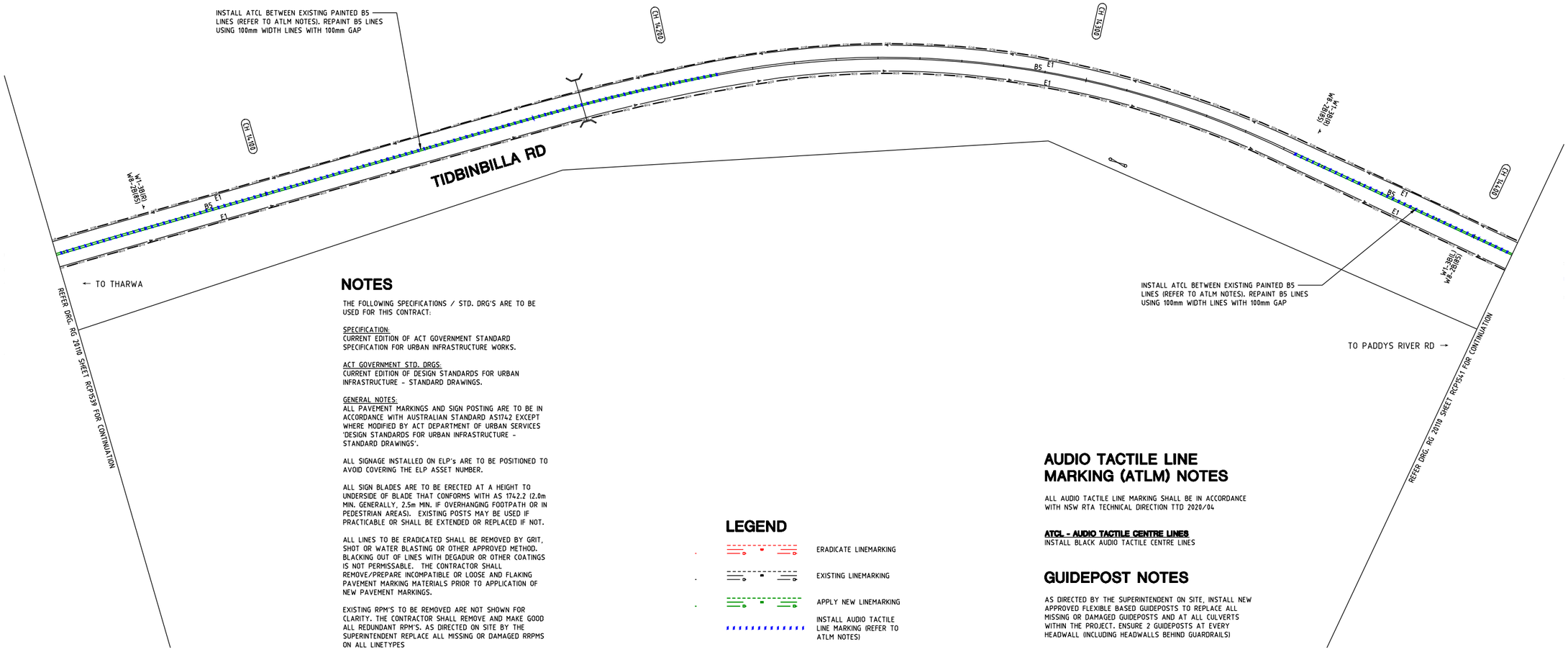
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 39 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1539	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 138, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date: 24/09/21

Drawing Title

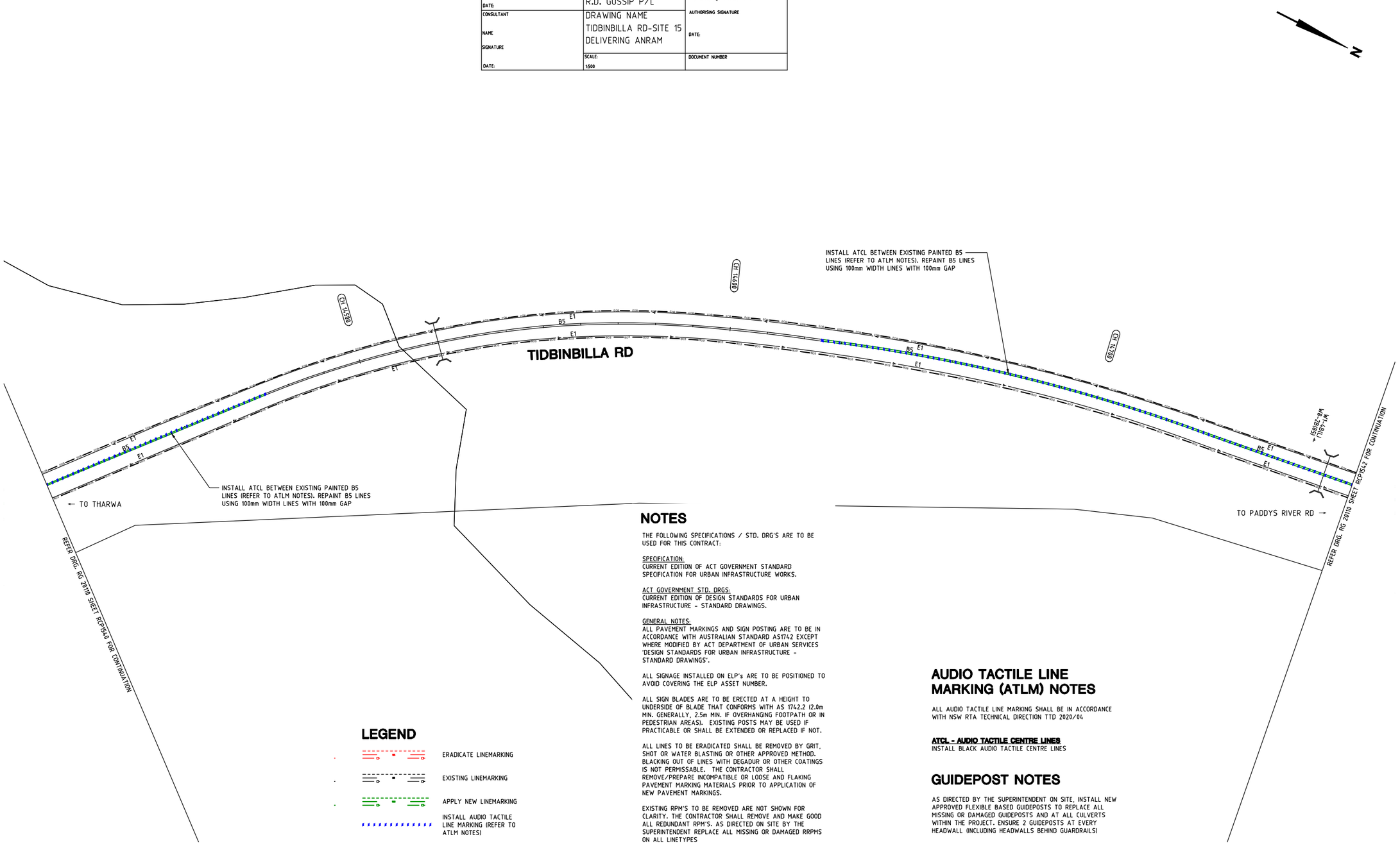
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 40 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1540	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6315
Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date: 24/09/21

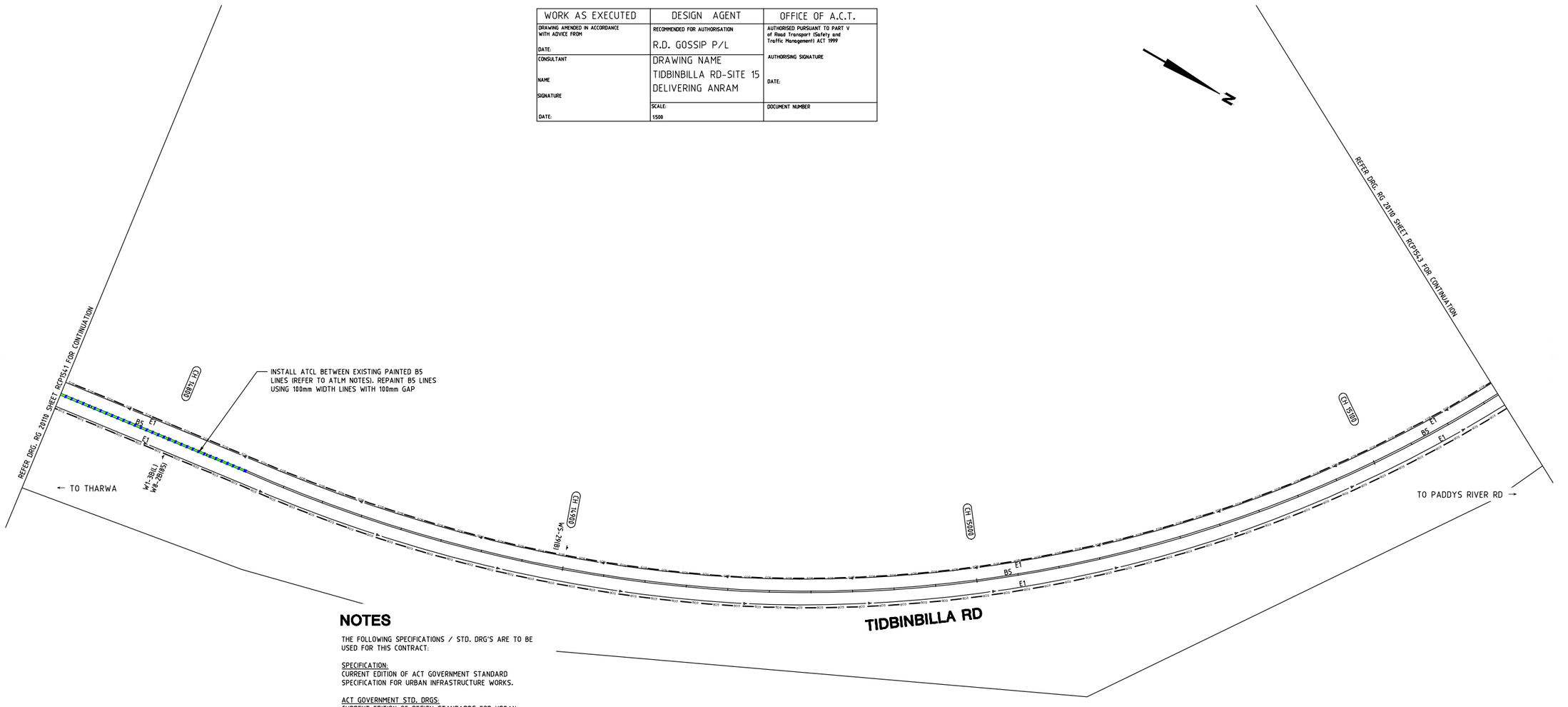
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 41 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1541	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale

0m 10m 20m 30m 40m

SCALE: A1 1:500, A3 1:1000

Design Agent

R.D. Gossip Pty Ltd
Consulting Engineers
Unit 126, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client

Project Officer: Kencho Choden
Project Number: 30490

ACT Government

Project

DELIVERING ANRAM

Date
24/09/21

Drawing Title

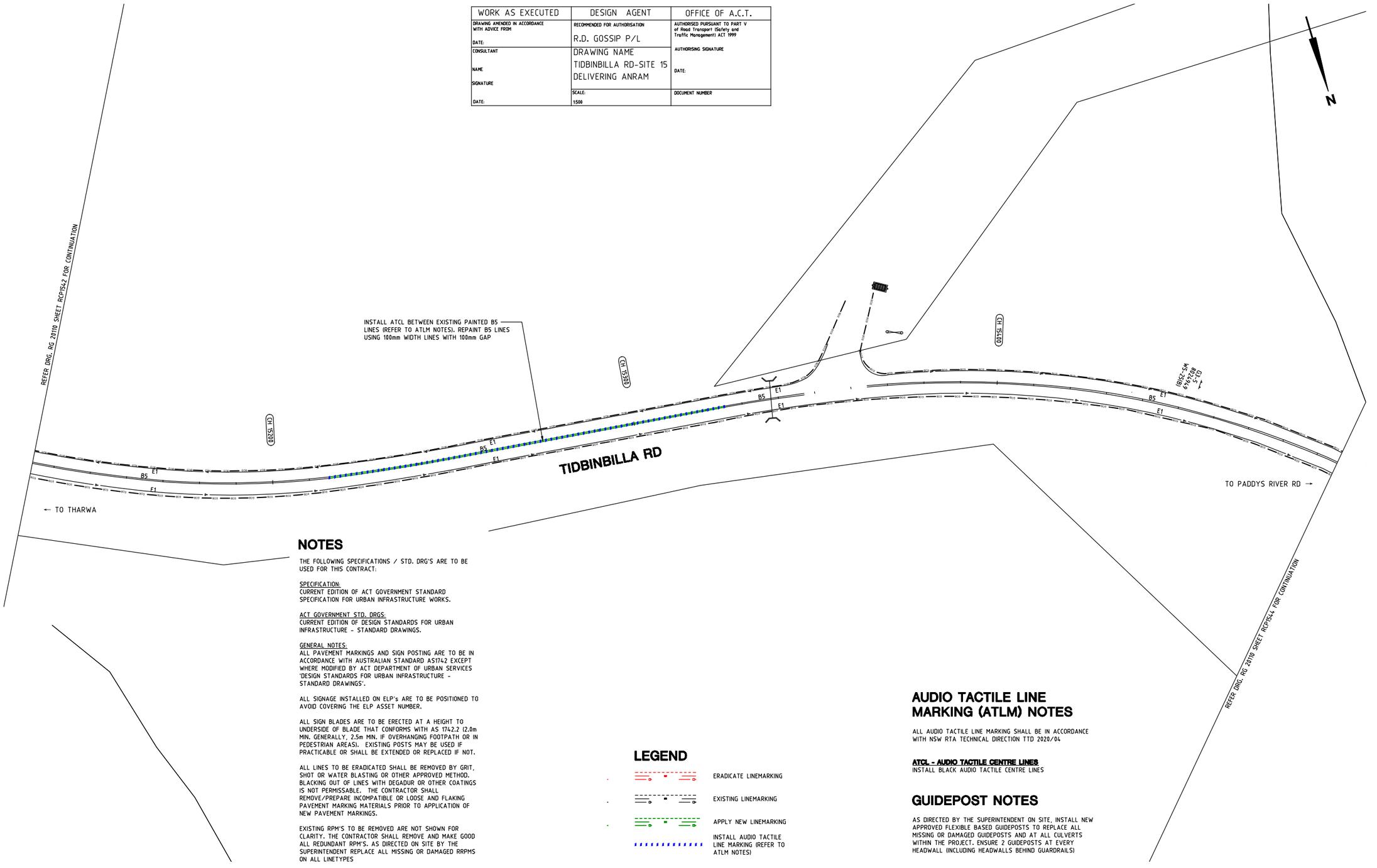
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 42 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1542	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date 24/09/21

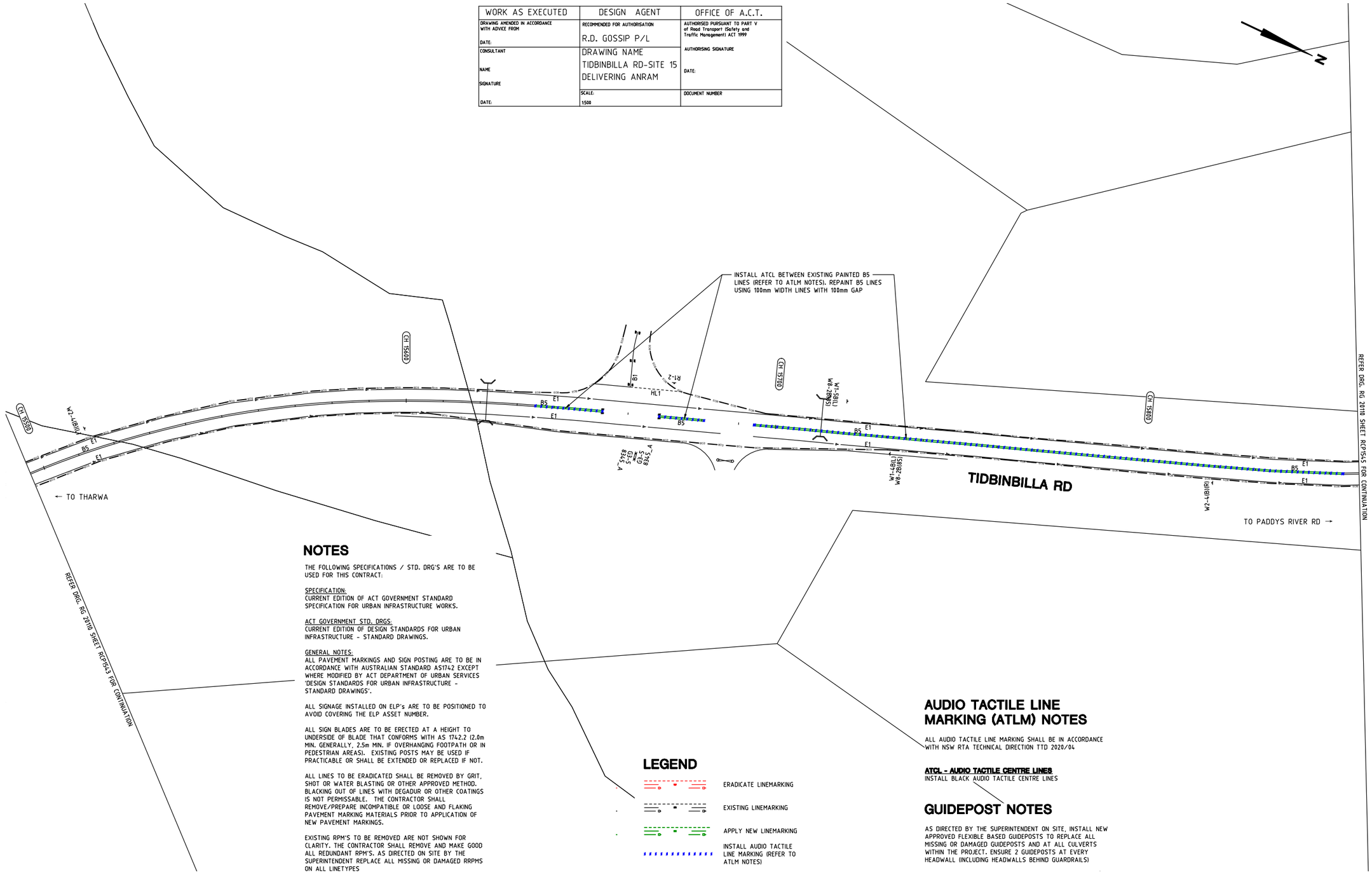
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 43 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1543	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 120, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM
Date
24/09/21

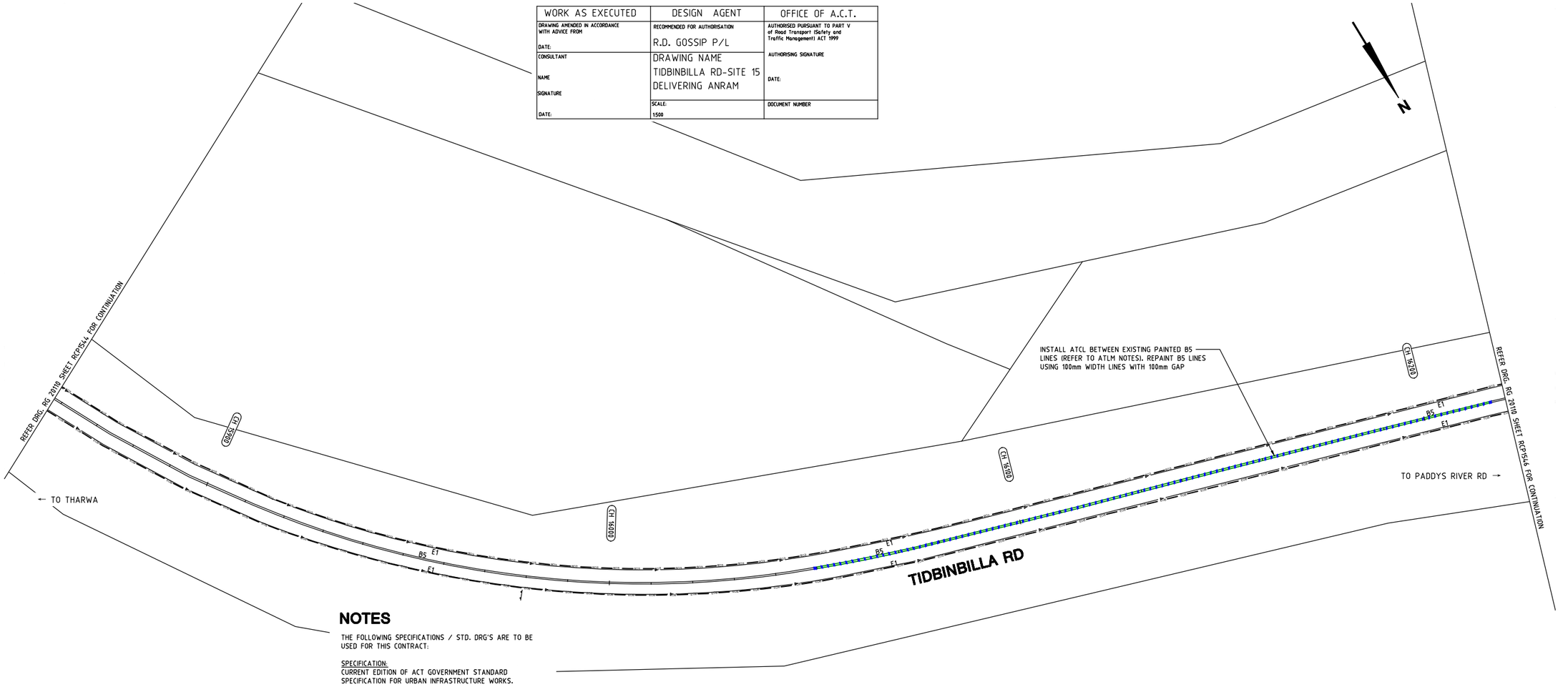
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 44 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1544	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

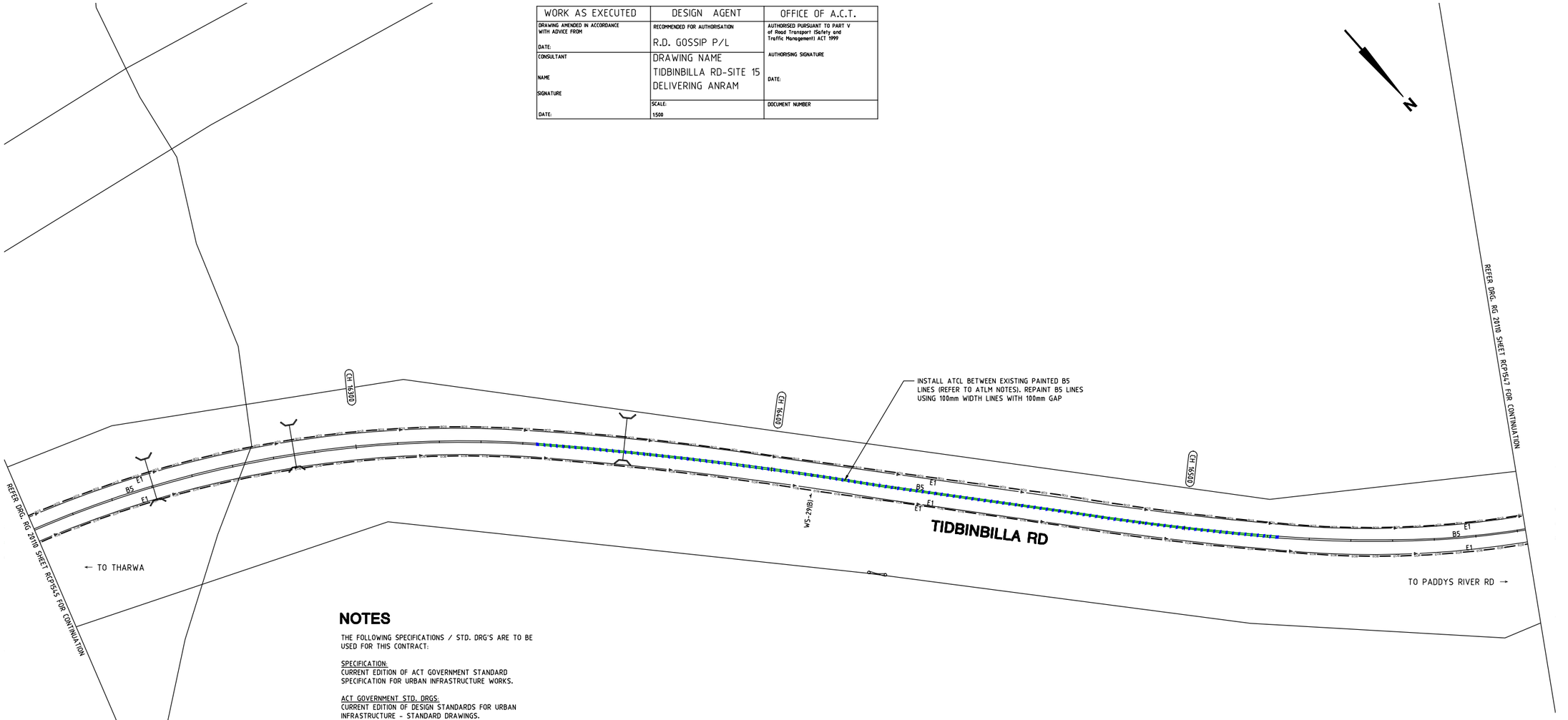
AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale	Design Agent	Client	Project	Drawing Title
0m 10m 20m 30m 40m SCALE: A1 1:500, A3 1:1000	R.D. Gossip Pty Ltd Consulting Engineers Unit 128, 12 Provan Street Campbell ACT 2612 Ph: 02 6251 6313 Designed by Drawn by Checked by Approved by	Project Officer: Kencho Choden Project Number: 30490 ACT Government	DELIVERING ANRAM	TIDBINBILLA RD - SITE 15 TRAFFIC CONTROL DEVICE PLAN SHEET 45 OF 48
			Date: 24/09/21	Drg. No.: RG 20110 · Sheet: RCP1545 · Revision: 0

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. ORGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE				
DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS			
AMENDMENT		APPROVAL	DATE
DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS			
Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21	
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--	

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

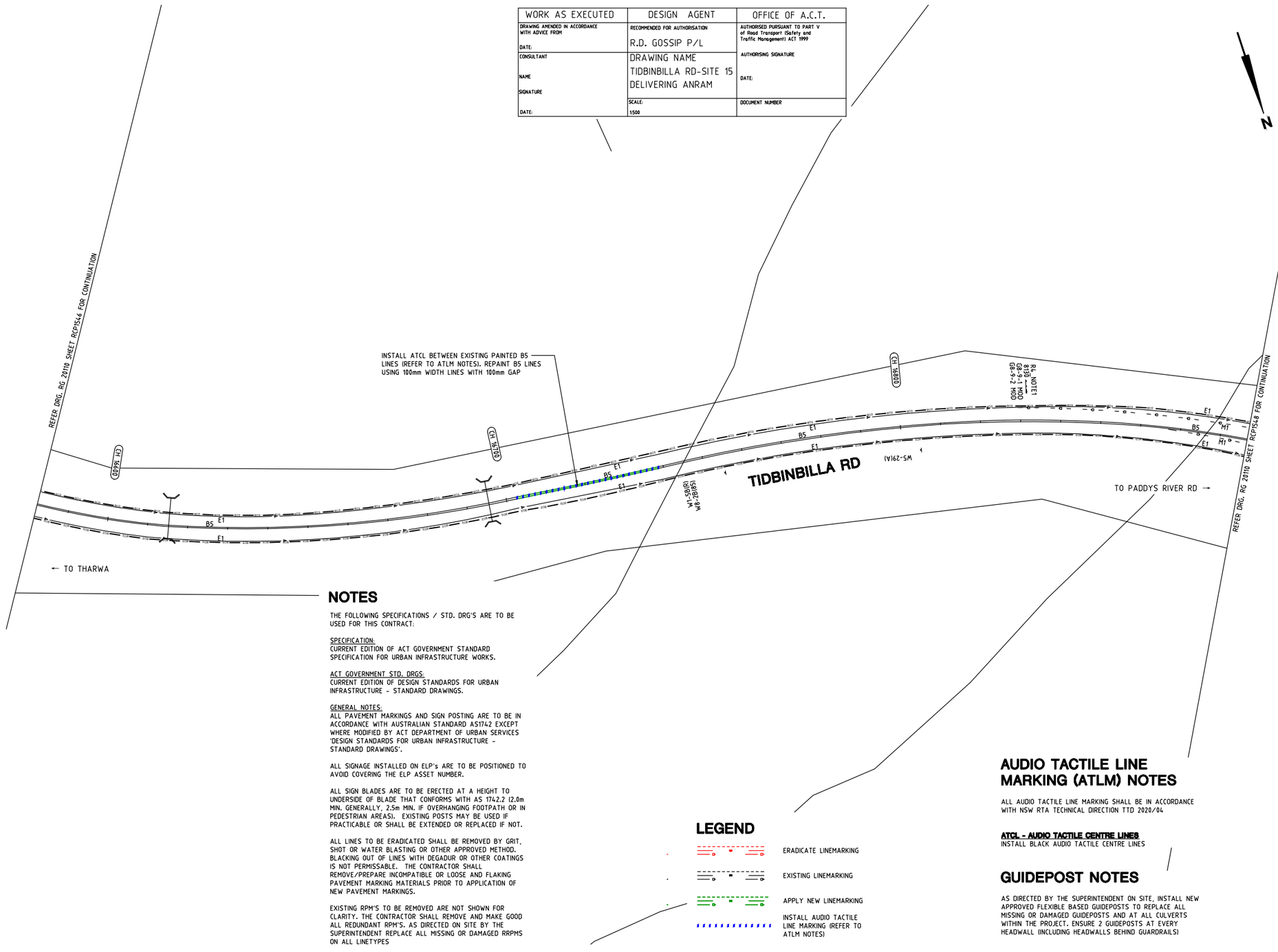
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 46 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1546	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	AUTHORISING SIGNATURE DATE:
	SCALE: 1:500	DOCUMENT NUMBER



NOTES

THE FOLLOWING SPECIFICATIONS / STD. DRG'S ARE TO BE USED FOR THIS CONTRACT:

SPECIFICATION:
CURRENT EDITION OF ACT GOVERNMENT STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.

ACT GOVERNMENT STD. DRGS:
CURRENT EDITION OF DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS.

GENERAL NOTES:
ALL PAVEMENT MARKINGS AND SIGN POSTING ARE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 EXCEPT WHERE MODIFIED BY ACT DEPARTMENT OF URBAN SERVICES 'DESIGN STANDARDS FOR URBAN INFRASTRUCTURE - STANDARD DRAWINGS'.

ALL SIGNAGE INSTALLED ON ELP's ARE TO BE POSITIONED TO AVOID COVERING THE ELP ASSET NUMBER.

ALL SIGN BLADES ARE TO BE ERECTED AT A HEIGHT TO UNDERSIDE OF BLADE THAT CONFORMS WITH AS 1742.2 (2.0m MIN. GENERALLY, 2.5m MIN. IF OVERHANGING FOOTPATH OR IN PEDESTRIAN AREAS). EXISTING POSTS MAY BE USED IF PRACTICABLE OR SHALL BE EXTENDED OR REPLACED IF NOT.

ALL LINES TO BE ERADICATED SHALL BE REMOVED BY GRIT, SHOT OR WATER BLASTING OR OTHER APPROVED METHOD. BLACKING OUT OF LINES WITH DEGADUR OR OTHER COATINGS IS NOT PERMISSABLE. THE CONTRACTOR SHALL REMOVE/PREPARE INCOMPATIBLE OR LOOSE AND FLAKING PAVEMENT MARKING MATERIALS PRIOR TO APPLICATION OF NEW PAVEMENT MARKINGS.

EXISTING RPM'S TO BE REMOVED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL REMOVE AND MAKE GOOD ALL REDUNDANT RPM'S. AS DIRECTED ON SITE BY THE SUPERINTENDENT REPLACE ALL MISSING OR DAMAGED RRPMS ON ALL LINETYPES

LEGEND

- ERADICATE LINEMARKING
- EXISTING LINEMARKING
- APPLY NEW LINEMARKING
- INSTALL AUDIO TACTILE LINE MARKING (REFER TO ATLM NOTES)

AUDIO TACTILE LINE MARKING (ATLM) NOTES

ALL AUDIO TACTILE LINE MARKING SHALL BE IN ACCORDANCE WITH NSW RTA TECHNICAL DIRECTION TTD 2020/04

ATCL - AUDIO TACTILE CENTRE LINES
INSTALL BLACK AUDIO TACTILE CENTRE LINES

GUIDEPOST NOTES

AS DIRECTED BY THE SUPERINTENDENT ON SITE, INSTALL NEW APPROVED FLEXIBLE BASED GUIDEPOSTS TO REPLACE ALL MISSING OR DAMAGED GUIDEPOSTS AND AT ALL CULVERTS WITHIN THE PROJECT. ENSURE 2 GUIDEPOSTS AT EVERY HEADWALL (INCLUDING HEADWALLS BEHIND GUARDRAILS)

SIGN SCHEDULE

DESCRIPTION		HAND	SIZE	NO. OF.
SIGNS TO BE ERECTED				
-	-	-	-	-
SIGNS TO BE REMOVED				
-	-	-	-	-

AMENDMENTS

AMENDMENT	APPROVAL	DATE

DRAWING STAGE - LATEST DATE INDICATES DRAWING STATUS

Conceptual Sketch: 28/05/21	Final Sketch Plan: --/--/--	Final Design: 24/09/21
For tendering purposes only: --/--/--	Issued for construction: --/--/--	W.A.E.: --/--/--

Scale
0m 10m 20m 30m 40m
SCALE: A1 1:500, A3 1:1000

Design Agent
R.D. Gossip Pty Ltd
Consulting Engineers
Unit 128, 12 Provan Street
Campbell ACT 2612
Ph: 02 6251 6313

Designed by
Drawn by
Checked by
Approved by

Client
Project Officer: Kencho Choden
Project Number: 30490
ACT Government

Project
DELIVERING ANRAM

Date
24/09/21

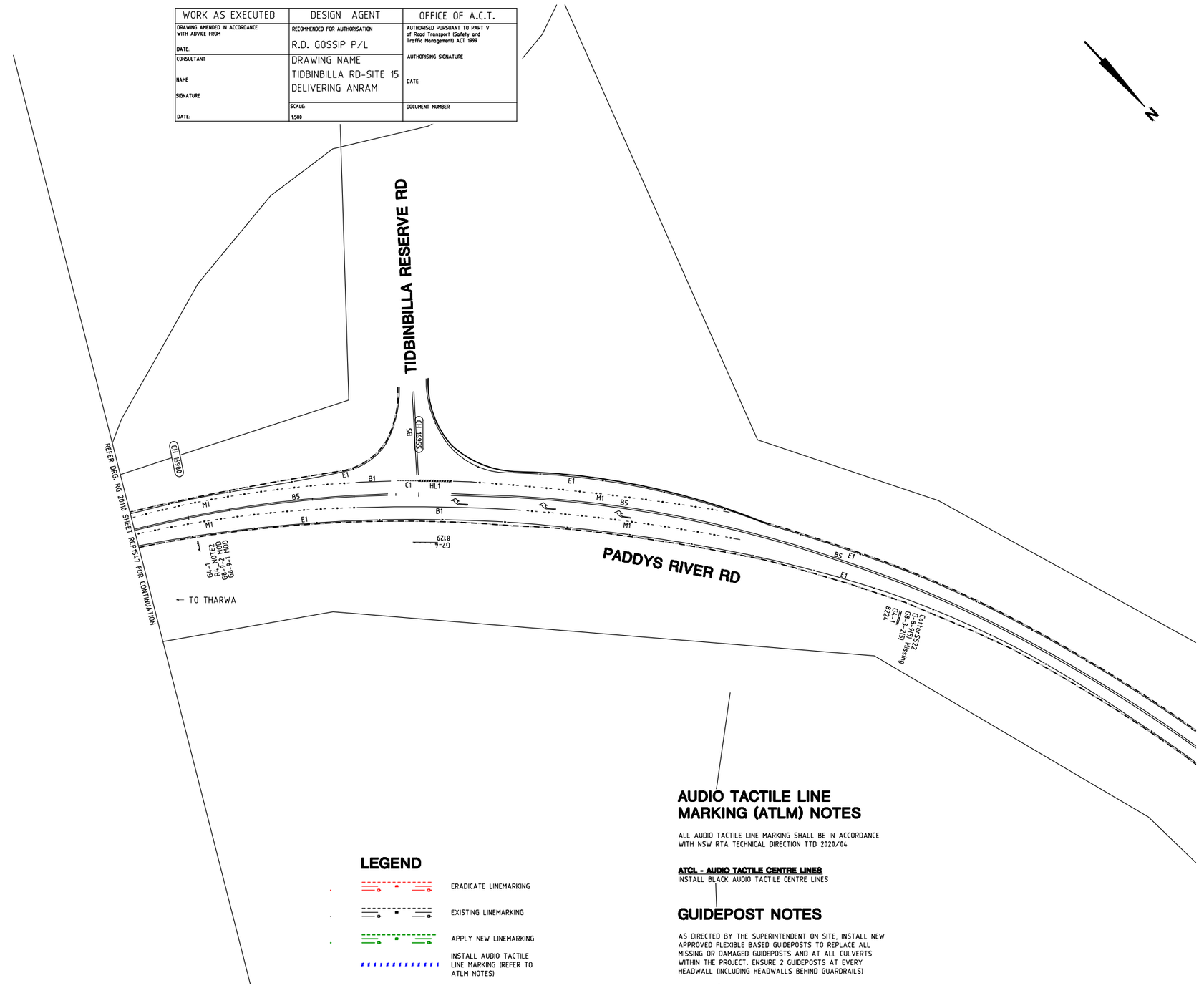
Drawing Title
TIDBINBILLA RD - SITE 15
TRAFFIC CONTROL DEVICE PLAN
SHEET 47 OF 48

Drg. No.	Sheet	Revision
RG 20110	RCP1547	0

X:\PROJECTS\2020\20110 ANRAM Design\Acad\3. Final Design\Additional Sites RG 20110 R15 Tidbinbilla Rd

300mm ON A1 ORIGINAL

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM DATE:	RECOMMENDED FOR AUTHORISATION R.D. GOSSIP P/L	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999 AUTHORISING SIGNATURE DATE:
CONSULTANT NAME SIGNATURE DATE:	DRAWING NAME TIDBINBILLA RD-SITE 15 DELIVERING ANRAM	
	SCALE: 1:500	DOCUMENT NUMBER



ACT Government
Transport Canberra and City Services

DELIVERING ANRAM – REDUCING RISK OF FATAL AND SERIOUS INJURY CRASHES ON ARTERIAL ROADS

RURAL ROADS FINAL DESIGN SUBMISSION

TRANSPORT CANBERRA AND CITY SERVICES

RG 20110 - 11/ 0

23 SEPTEMBER 2021

Consulting Engineers

DELIVERING ANRAM – REDUCING RISK OF FATAL AND SERIOUS INJURY CRASHES ON ARTERIAL ROADS

RURAL ROADS FINAL DESIGN SUBMISSION

Prepared for Transport Canberra and City Services

Document Register

Revision	Date	Details	Author	Verifier	Reviewed
0	23/09/21	Final Design Submission	[redacted]	[redacted]	[redacted]

R D Gossip Pty Ltd
Unit 120 Greenwich
12 Provan Street
Campbell ACT 2612
Australia
Telephone: +61 2 6251 6313
Email: [redacted]rdgossip.com.au

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY 1

1.1 Key Project Goals 1
1.2 Site locations 1

2. PROJECT BRIEF STATEMENT 3

3. UNRESOLVED ISSUES 3

4. ESTIMATE OF COSTS 3

5. SAFE AND EFFECTIVE FUNCTIONING OF THE DESIGN 3

6. ACT PLANNING AND LAND AUTHORITY SUBMISSION REQUIREMENTS FOR THE PROJECT 3

7. DESIGN SUMMARY 3

7.1 Site 5 – Boboyan Road 4
7.2 Site 8 – Apollo Road 4
7.3 Site 9 – Corin Road 4
7.4 Site 10 – Orroral Road 4
7.5 Site 11 – Uriarra Road 4
7.6 Site 12 – Tharwa Drive 5
7.7 Site 13 – Cotter Road 5

8. FINAL DESIGN PLANS 5

8.1 Site 5 – Boboyan Road 5
8.2 Site 8 – Apollo Road 6
8.3 Site 9 – Corin Road 7
8.4 Site 10 – Orroral Road 9
8.5 Site 11 – Uriarra Road 9
8.6 Site 12 – Tharwa Drive 11
8.7 Site 13 – Cotter Road 11

9. DRAINAGE MASTER PLAN 11

10. OUTLINES FOR MAJOR STRUCTURES 11

11. GEO-TECHNICAL REPORT 11

12. PAVEMENT OPTIONS STUDY 11

13. PRELIMINARY GRADING AND TYPICAL CROSS SECTIONS 12

14. PREDICTED 63 DB(A) LINE FOR MAJOR ROADS 12

15. SITES OF SIGNIFICANCE (SECTION C9) AND GAZETTED AREAS 12

16. LANDSCAPE DESIGN..... 12

17. ENVIRONMENTAL CONSIDERATIONS..... 12

18. IMPACT ON EXISTING AND FUTURE SERVICES, ROAD RESERVATIONS AND LEASES, ACCESS TO EXISTING AND PLANNED FACILITIES, PEDESTRIAN DESIRE LINES ETC..... 12

19. TRAFFIC MANAGEMENT DURING CONSTRUCTION 12

20. PROPOSALS FOR MATERIALS, COLOURS AND FINISHES..... 12

21. A PROPOSAL FOR PROVIDING CONDUITS, PRE-BLASTING ETC. TO ALLOW FOR THE FUTURE INSTALLATION OF SERVICES SUCH AS TRAFFIC LIGHTS, WATER MAINS ETC. 12

22. PLANTING CONCEPTS INCLUDING SPECIES;..... 12

23. TRAFFIC CONTROL DEVICES PLAN..... 12

24. RECOMMENDATIONS 12

APPENDIX 1 – SUMMARY OF THE BILL OF QUANTITIES 13

APPENDIX 2 – DETAILED DESIGN DRAWINGS..... 14

1. EXECUTIVE SUMMARY

RD Gossip Pty Ltd (RDG) were engaged to provide design services as part of the Delivering ANRAM – Reducing Risk of Fatal and Serious Injury Crashes on Arterial Roads for Infrastructure Delivery Partners Group (IDP) on behalf of Transport Canberra & City Services (TCCS).

The Final Design (DR) submission is for the installation of Audio Tactile Line Marking (ATLM) and speed limit changes on the selected rural roads as part of this project. The designs have been developed from the preliminary designs and incorporate stakeholder comments.

1.1 Key Project Goals

The key objectives as specified in the brief are:

- "To undertake further detailed investigation, prioritisation and documentation of road safety improvement works for implementation in stages on the basis of AusRAP and ANRAM assessments undertaken in 2019.
- To improve and facilitate road safety by developing practical measures to reduce the risk of fatalities and serious injuries;
- To review the prioritisation order proposed by Roads ACT for the Urban roads to achieve the long-term goal of having all arterial roads in the ACT 3-star rated or higher;
- To study the feasibility of implementing the proposed safety improvements on the Rural roads; and
- To prepare detailed designs and document readiness documents for the prioritised Urban road sites and selected rural road sites in packages as will be agreed with Roads ACT during the course of the study."

These objectives are to improve the arterial road network safety throughout the ACT. The project comprises two key components, an assessment of urban arterial roads and an assessment of rural arterial roads. Each have their own elements and require the understanding of the risks involved with the road environment.

1.2 Site locations

There are 20 Urban and 13 Rural sites associated with this project. These sites are listed below:

- Urban Sites
  - Site 1 - Clarrie Hermes Dr
  - Site 2 – Streeton Drive
  - Site 3 – Horse Park Drive
  - Site 4 – Sulwood Drive
  - Site 5 – Kuringa Drive
  - Site 6 – Kingsford Smith Drive
  - Site 7 – Taverner Street
  - Site 8 – Isabella Drive
  - Site 9 – Sulwood Drive
  - Site 10 – Taverner Street
  - Site 11 – Well Station Drive
  - Site 12 – Baldwin Drive

- Site 13 – Woodcock Drive
- Site 14 – Mulligans Flat Road
- Site 15 – Horse Park Drive
- Site 16 – Owen Dixon Drive
- Site 17 – Long Gully Road
- Site 18a – Gundaroo Drive
- Site 18b – Gundaroo Drive
- Site 19 – Mirrabei Drive
- Site 20 – Gungahlin Drive

- Rural Sites
  - Site 1 – Kings Highway
  - Site 2 – Kings Highway
  - Site 3 – Kings Highway
  - Site 4 – Monaro Highway
  - Site 5 – Boboyan Road
  - Site 6 – Tharwa Drive
  - Site 7 – Brindabella Road
  - Site 8 – Apollo Road
  - Site 9 – Corin Road
  - Site 10 – Orroral Road
  - Site 11 – Uriarra Road
  - Site 12 – Tharwa Drive
  - Site 13 – Cotter Road

Each site comprises a set section of the road. Refer to the Rural Roads Feasibility Study and Urban Roads Design Option Study for further details.

This report is only for Rural Sites 5, 8, 9, 10, 11, 12 and 13, which comprise ATLM and TCD improvements.

2. PROJECT BRIEF STATEMENT

The project has been designed in accordance with the Project Brief based on the agreed improvements from the Rural Roads Feasibility Study. There are no departures in the design from the brief.

The design has adhered to the following standards and guidelines:

- Australian Standard AS1742.2-2009 Manual of uniform traffic control devices – Part 2: Traffic control devices for general use;
- Australian Standard AS1742.4-2020 Manual of uniform traffic control devices – Part 4: Speed Controls, and
- Design Standards for Urban Infrastructure – Standard Drawings.

3. UNRESOLVED ISSUES

There are no unresolved issues identified.

4. ESTIMATE OF COSTS

The indicative construction cost estimates excluding GST is provide below for each site

A summary breakdown estimate is provided in Appendix 1.

5. SAFE AND EFFECTIVE FUNCTIONING OF THE DESIGN

The design has accounted for safety during the construction, maintenance, user and demolition.

Any matters that could have been identified as critical have been designed out of the provided designs.

6. ACT PLANNING AND LAND AUTHORITY SUBMISSION REQUIREMENTS FOR THE PROJECT.

The works are within the existing road reserve and are considered public works (street furniture).

The works are within the existing road reserve and located outside National Capital Authority Designated Land.

7. DESIGN SUMMARY

The following treatments have been selected for the identified sites.

7.1 Site 5 – Boboyan Road

Centreline ATLM is proposed for the full length of the sealed section of Boboyan Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), or where the radius of the curve is less than 450 m.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

The speed limit on Boboyan Road will also be reduced to 80 km/h.

7.2 Site 8 – Apollo Road

Centreline ATLM is proposed for the full length of the sealed section of Apollo Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), or where the radius of the curve is less than 450 m.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

The speed limit on Apollo Road will also be reduced to 60 km/h and 80 km/h.

7.3 Site 9 – Corin Road

Centreline ATLM is proposed for the full length of the sealed section of Corin Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), or where the radius of the curve is less than 450 m.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

The speed limit on Corin Road will also be reduced to 60 km/h and 80 km/h.

7.4 Site 10 – Orroral Road

Centreline ATLM is proposed for the full length of the sealed section of Orroral Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), or where the radius of the curve is less than 450 m.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

The speed limit on Orroral Road will also be reduced to 60 km/h and 80 km/h.

7.5 Site 11 – Uriarra Road

Centreline ATLM is proposed for the full length of the sealed section of Uriarra Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), or where the radius of the curve is less than 450 m.

There was insufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

An adjustment to the transition between speed limits is required for the section west of the Murrumbidgee River.

7.6 Site 12 – Tharwa Drive

A speed limit reduction from 80 km/h to 70 km/h for this section of Tharwa Drive.

7.7 Site 13 – Cotter Road

Centreline ATLM is proposed for the full length of the sealed section of Cotter Road, with the exception where there are residential dwellings within 200 m of the road, 50 m from an intersection (unless specified), or where the radius of the curve is less than 450 m.

Some sections of Cotter Road have sufficient sealed shoulder (minimum 0.5 m required between edge line and edge of seal) to install an ATLM edge line.

8. FINAL DESIGN PLANS

The following drawings are provided with the DR submission:

8.1 Site 5 – Boboyan Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC501	0	Traffic Control Device Plan – Sheet 1 of 57
RG 20110	RTC502	0	Traffic Control Device Plan – Sheet 2 of 57
RG 20110	RTC503	0	Traffic Control Device Plan – Sheet 3 of 57
RG 20110	RTC504	0	Traffic Control Device Plan – Sheet 4 of 57
RG 20110	RTC505	0	Traffic Control Device Plan – Sheet 5 of 57
RG 20110	RTC506	0	Traffic Control Device Plan – Sheet 6 of 57
RG 20110	RTC507	0	Traffic Control Device Plan – Sheet 7 of 57
RG 20110	RTC508	0	Traffic Control Device Plan – Sheet 8 of 57
RG 20110	RTC509	0	Traffic Control Device Plan – Sheet 9 of 57
RG 20110	RTC510	0	Traffic Control Device Plan – Sheet 10 of 57
RG 20110	RTC511	0	Traffic Control Device Plan – Sheet 11 of 57
RG 20110	RTC512	0	Traffic Control Device Plan – Sheet 12 of 57
RG 20110	RTC513	0	Traffic Control Device Plan – Sheet 13 of 57
RG 20110	RTC514	0	Traffic Control Device Plan – Sheet 14 of 57
RG 20110	RTC515	0	Traffic Control Device Plan – Sheet 15 of 57
RG 20110	RTC516	0	Traffic Control Device Plan – Sheet 16 of 57
RG 20110	RTC517	0	Traffic Control Device Plan – Sheet 17 of 57
RG 20110	RTC518	0	Traffic Control Device Plan – Sheet 18 of 57
RG 20110	RTC519	0	Traffic Control Device Plan – Sheet 19 of 57
RG 20110	RTC520	0	Traffic Control Device Plan – Sheet 20 of 57
RG 20110	RTC521	0	Traffic Control Device Plan – Sheet 21 of 57
RG 20110	RTC522	0	Traffic Control Device Plan – Sheet 22 of 57
RG 20110	RTC523	0	Traffic Control Device Plan – Sheet 23 of 57
RG 20110	RTC524	0	Traffic Control Device Plan – Sheet 24 of 57
RG 20110	RTC525	0	Traffic Control Device Plan – Sheet 25 of 57

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC526	0	Traffic Control Device Plan – Sheet 26 of 57
RG 20110	RTC527	0	Traffic Control Device Plan – Sheet 27 of 57
RG 20110	RTC528	0	Traffic Control Device Plan – Sheet 28 of 57
RG 20110	RTC529	0	Traffic Control Device Plan – Sheet 29 of 57
RG 20110	RTC530	0	Traffic Control Device Plan – Sheet 30 of 57
RG 20110	RTC531	0	Traffic Control Device Plan – Sheet 31 of 57
RG 20110	RTC532	0	Traffic Control Device Plan – Sheet 32 of 57
RG 20110	RTC533	0	Traffic Control Device Plan – Sheet 33 of 57
RG 20110	RTC534	0	Traffic Control Device Plan – Sheet 34 of 57
RG 20110	RTC535	0	Traffic Control Device Plan – Sheet 35 of 57
RG 20110	RTC536	0	Traffic Control Device Plan – Sheet 36 of 57
RG 20110	RTC537	0	Traffic Control Device Plan – Sheet 37 of 57
RG 20110	RTC538	0	Traffic Control Device Plan – Sheet 38 of 57
RG 20110	RTC539	0	Traffic Control Device Plan – Sheet 39 of 57
RG 20110	RTC540	0	Traffic Control Device Plan – Sheet 40 of 57
RG 20110	RTC541	0	Traffic Control Device Plan – Sheet 41 of 57
RG 20110	RTC542	0	Traffic Control Device Plan – Sheet 42 of 57
RG 20110	RTC543	0	Traffic Control Device Plan – Sheet 43 of 57
RG 20110	RTC544	0	Traffic Control Device Plan – Sheet 44 of 57
RG 20110	RTC545	0	Traffic Control Device Plan – Sheet 45 of 57
RG 20110	RTC546	0	Traffic Control Device Plan – Sheet 46 of 57
RG 20110	RTC547	0	Traffic Control Device Plan – Sheet 47 of 57
RG 20110	RTC548	0	Traffic Control Device Plan – Sheet 48 of 57
RG 20110	RTC549	0	Traffic Control Device Plan – Sheet 49 of 57
RG 20110	RTC550	0	Traffic Control Device Plan – Sheet 50 of 57
RG 20110	RTC551	0	Traffic Control Device Plan – Sheet 51 of 57
RG 20110	RTC552	0	Traffic Control Device Plan – Sheet 52 of 57
RG 20110	RTC553	0	Traffic Control Device Plan – Sheet 53 of 57
RG 20110	RTC554	0	Traffic Control Device Plan – Sheet 54 of 57
RG 20110	RTC555	0	Traffic Control Device Plan – Sheet 55 of 57
RG 20110	RTC556	0	Traffic Control Device Plan – Sheet 56 of 57
RG 20110	RTC557	0	Traffic Control Device Plan – Sheet 57 of 57

8.2 Site 8 – Apollo Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC801	0	Traffic Control Device Plan – Sheet 1 of 27
RG 20110	RTC802	0	Traffic Control Device Plan – Sheet 2 of 27

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC803	0	Traffic Control Device Plan – Sheet 3 of 27
RG 20110	RTC804	0	Traffic Control Device Plan – Sheet 4 of 27
RG 20110	RTC805	0	Traffic Control Device Plan – Sheet 5 of 27
RG 20110	RTC806	0	Traffic Control Device Plan – Sheet 6 of 27
RG 20110	RTC807	0	Traffic Control Device Plan – Sheet 7 of 27
RG 20110	RTC808	0	Traffic Control Device Plan – Sheet 8 of 27
RG 20110	RTC809	0	Traffic Control Device Plan – Sheet 9 of 27
RG 20110	RTC810	0	Traffic Control Device Plan – Sheet 10 of 27
RG 20110	RTC811	0	Traffic Control Device Plan – Sheet 11 of 27
RG 20110	RTC812	0	Traffic Control Device Plan – Sheet 12 of 27
RG 20110	RTC813	0	Traffic Control Device Plan – Sheet 13 of 27
RG 20110	RTC814	0	Traffic Control Device Plan – Sheet 14 of 27
RG 20110	RTC815	0	Traffic Control Device Plan – Sheet 15 of 27
RG 20110	RTC816	0	Traffic Control Device Plan – Sheet 16 of 27
RG 20110	RTC817	0	Traffic Control Device Plan – Sheet 17 of 27
RG 20110	RTC818	0	Traffic Control Device Plan – Sheet 18 of 27
RG 20110	RTC819	0	Traffic Control Device Plan – Sheet 19 of 27
RG 20110	RTC820	0	Traffic Control Device Plan – Sheet 20 of 27
RG 20110	RTC821	0	Traffic Control Device Plan – Sheet 21 of 27
RG 20110	RTC822	0	Traffic Control Device Plan – Sheet 22 of 27
RG 20110	RTC823	0	Traffic Control Device Plan – Sheet 23 of 27
RG 20110	RTC824	0	Traffic Control Device Plan – Sheet 24 of 27
RG 20110	RTC825	0	Traffic Control Device Plan – Sheet 25 of 27
RG 20110	RTC826	0	Traffic Control Device Plan – Sheet 26 of 27
RG 20110	RTC827	0	Traffic Control Device Plan – Sheet 27 of 27

8.3 Site 9 – Corin Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC901	0	Traffic Control Device Plan – Sheet 1 of 61
RG 20110	RTC902	0	Traffic Control Device Plan – Sheet 2 of 61
RG 20110	RTC903	0	Traffic Control Device Plan – Sheet 3 of 61
RG 20110	RTC904	0	Traffic Control Device Plan – Sheet 4 of 61
RG 20110	RTC905	0	Traffic Control Device Plan – Sheet 5 of 61
RG 20110	RTC906	0	Traffic Control Device Plan – Sheet 6 of 61
RG 20110	RTC907	0	Traffic Control Device Plan – Sheet 7 of 61
RG 20110	RTC908	0	Traffic Control Device Plan – Sheet 8 of 61
RG 20110	RTC909	0	Traffic Control Device Plan – Sheet 9 of 61

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC910	0	Traffic Control Device Plan – Sheet 10 of 61
RG 20110	RTC911	0	Traffic Control Device Plan – Sheet 11 of 61
RG 20110	RTC912	0	Traffic Control Device Plan – Sheet 12 of 61
RG 20110	RTC913	0	Traffic Control Device Plan – Sheet 13 of 61
RG 20110	RTC914	0	Traffic Control Device Plan – Sheet 14 of 61
RG 20110	RTC915	0	Traffic Control Device Plan – Sheet 15 of 61
RG 20110	RTC916	0	Traffic Control Device Plan – Sheet 16 of 61
RG 20110	RTC917	0	Traffic Control Device Plan – Sheet 17 of 61
RG 20110	RTC918	0	Traffic Control Device Plan – Sheet 18 of 61
RG 20110	RTC919	0	Traffic Control Device Plan – Sheet 19 of 61
RG 20110	RTC920	0	Traffic Control Device Plan – Sheet 20 of 61
RG 20110	RTC921	0	Traffic Control Device Plan – Sheet 21 of 61
RG 20110	RTC922	0	Traffic Control Device Plan – Sheet 22 of 61
RG 20110	RTC923	0	Traffic Control Device Plan – Sheet 23 of 61
RG 20110	RTC924	0	Traffic Control Device Plan – Sheet 24 of 61
RG 20110	RTC925	0	Traffic Control Device Plan – Sheet 25 of 61
RG 20110	RTC926	0	Traffic Control Device Plan – Sheet 26 of 61
RG 20110	RTC927	0	Traffic Control Device Plan – Sheet 27 of 61
RG 20110	RTC928	0	Traffic Control Device Plan – Sheet 28 of 61
RG 20110	RTC929	0	Traffic Control Device Plan – Sheet 29 of 61
RG 20110	RTC930	0	Traffic Control Device Plan – Sheet 30 of 61
RG 20110	RTC931	0	Traffic Control Device Plan – Sheet 31 of 61
RG 20110	RTC932	0	Traffic Control Device Plan – Sheet 32 of 61
RG 20110	RTC933	0	Traffic Control Device Plan – Sheet 33 of 61
RG 20110	RTC934	0	Traffic Control Device Plan – Sheet 34 of 61
RG 20110	RTC935	0	Traffic Control Device Plan – Sheet 35 of 61
RG 20110	RTC936	0	Traffic Control Device Plan – Sheet 36 of 61
RG 20110	RTC937	0	Traffic Control Device Plan – Sheet 37 of 61
RG 20110	RTC938	0	Traffic Control Device Plan – Sheet 38 of 61
RG 20110	RTC939	0	Traffic Control Device Plan – Sheet 39 of 61
RG 20110	RTC940	0	Traffic Control Device Plan – Sheet 40 of 61
RG 20110	RTC941	0	Traffic Control Device Plan – Sheet 41 of 61
RG 20110	RTC942	0	Traffic Control Device Plan – Sheet 42 of 61
RG 20110	RTC943	0	Traffic Control Device Plan – Sheet 43 of 61
RG 20110	RTC944	0	Traffic Control Device Plan – Sheet 44 of 61
RG 20110	RTC945	0	Traffic Control Device Plan – Sheet 45 of 61
RG 20110	RTC946	0	Traffic Control Device Plan – Sheet 46 of 61

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC947	0	Traffic Control Device Plan – Sheet 47 of 61
RG 20110	RTC948	0	Traffic Control Device Plan – Sheet 48 of 61
RG 20110	RTC949	0	Traffic Control Device Plan – Sheet 49 of 61
RG 20110	RTC950	0	Traffic Control Device Plan – Sheet 50 of 61
RG 20110	RTC951	0	Traffic Control Device Plan – Sheet 51 of 61
RG 20110	RTC952	0	Traffic Control Device Plan – Sheet 52 of 61
RG 20110	RTC953	0	Traffic Control Device Plan – Sheet 53 of 61
RG 20110	RTC954	0	Traffic Control Device Plan – Sheet 54 of 61
RG 20110	RTC955	0	Traffic Control Device Plan – Sheet 55 of 61
RG 20110	RTC956	0	Traffic Control Device Plan – Sheet 56 of 61
RG 20110	RTC957	0	Traffic Control Device Plan – Sheet 57 of 61
RG 20110	RTC958	0	Traffic Control Device Plan – Sheet 58 of 61
RG 20110	RTC959	0	Traffic Control Device Plan – Sheet 59 of 61
RG 20110	RTC960	0	Traffic Control Device Plan – Sheet 60 of 61
RG 20110	RTC961	0	Traffic Control Device Plan – Sheet 61 of 61

8.4 Site 10 – Orroral Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1001	0	Traffic Control Device Plan – Sheet 1 of 8
RG 20110	RTC1002	0	Traffic Control Device Plan – Sheet 2 of 8
RG 20110	RTC1003	0	Traffic Control Device Plan – Sheet 3 of 8
RG 20110	RTC1004	0	Traffic Control Device Plan – Sheet 4 of 8
RG 20110	RTC1005	0	Traffic Control Device Plan – Sheet 5 of 8
RG 20110	RTC1006	0	Traffic Control Device Plan – Sheet 6 of 8
RG 20110	RTC1007	0	Traffic Control Device Plan – Sheet 7 of 8
RG 20110	RTC1008	0	Traffic Control Device Plan – Sheet 8 of 8

8.5 Site 11 – Uriarra Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1101	0	Traffic Control Device Plan – Sheet 1 of 51
RG 20110	RTC1102	0	Traffic Control Device Plan – Sheet 2 of 51
RG 20110	RTC1103	0	Traffic Control Device Plan – Sheet 3 of 51
RG 20110	RTC1104	0	Traffic Control Device Plan – Sheet 4 of 51
RG 20110	RTC1105	0	Traffic Control Device Plan – Sheet 5 of 51
RG 20110	RTC1106	0	Traffic Control Device Plan – Sheet 6 of 51
RG 20110	RTC1107	0	Traffic Control Device Plan – Sheet 7 of 51
RG 20110	RTC1108	0	Traffic Control Device Plan – Sheet 8 of 51

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1109	0	Traffic Control Device Plan – Sheet 9 of 51
RG 20110	RTC1110	0	Traffic Control Device Plan – Sheet 10 of 51
RG 20110	RTC1111	0	Traffic Control Device Plan – Sheet 11 of 51
RG 20110	RTC1112	0	Traffic Control Device Plan – Sheet 12 of 51
RG 20110	RTC1113	0	Traffic Control Device Plan – Sheet 13 of 51
RG 20110	RTC1114	0	Traffic Control Device Plan – Sheet 14 of 51
RG 20110	RTC1115	0	Traffic Control Device Plan – Sheet 15 of 51
RG 20110	RTC1116	0	Traffic Control Device Plan – Sheet 16 of 51
RG 20110	RTC1117	0	Traffic Control Device Plan – Sheet 17 of 51
RG 20110	RTC1118	0	Traffic Control Device Plan – Sheet 18 of 51
RG 20110	RTC1119	0	Traffic Control Device Plan – Sheet 19 of 51
RG 20110	RTC1120	0	Traffic Control Device Plan – Sheet 20 of 51
RG 20110	RTC1121	0	Traffic Control Device Plan – Sheet 21 of 51
RG 20110	RTC1122	0	Traffic Control Device Plan – Sheet 22 of 51
RG 20110	RTC1123	0	Traffic Control Device Plan – Sheet 23 of 51
RG 20110	RTC1124	0	Traffic Control Device Plan – Sheet 24 of 51
RG 20110	RTC1125	0	Traffic Control Device Plan – Sheet 25 of 51
RG 20110	RTC1126	0	Traffic Control Device Plan – Sheet 26 of 51
RG 20110	RTC1127	0	Traffic Control Device Plan – Sheet 27 of 51
RG 20110	RTC1128	0	Traffic Control Device Plan – Sheet 28 of 51
RG 20110	RTC1129	0	Traffic Control Device Plan – Sheet 29 of 51
RG 20110	RTC1130	0	Traffic Control Device Plan – Sheet 30 of 51
RG 20110	RTC1131	0	Traffic Control Device Plan – Sheet 31 of 51
RG 20110	RTC1132	0	Traffic Control Device Plan – Sheet 32 of 51
RG 20110	RTC1133	0	Traffic Control Device Plan – Sheet 33 of 51
RG 20110	RTC1134	0	Traffic Control Device Plan – Sheet 34 of 51
RG 20110	RTC1135	0	Traffic Control Device Plan – Sheet 35 of 51
RG 20110	RTC1136	0	Traffic Control Device Plan – Sheet 36 of 51
RG 20110	RTC1137	0	Traffic Control Device Plan – Sheet 37 of 51
RG 20110	RTC1138	0	Traffic Control Device Plan – Sheet 38 of 51
RG 20110	RTC1139	0	Traffic Control Device Plan – Sheet 39 of 51
RG 20110	RTC1140	0	Traffic Control Device Plan – Sheet 40 of 51
RG 20110	RTC1141	0	Traffic Control Device Plan – Sheet 41 of 51
RG 20110	RTC1142	0	Traffic Control Device Plan – Sheet 42 of 51
RG 20110	RTC1143	0	Traffic Control Device Plan – Sheet 43 of 51
RG 20110	RTC1144	0	Traffic Control Device Plan – Sheet 44 of 51
RG 20110	RTC1145	0	Traffic Control Device Plan – Sheet 45 of 51

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1146	0	Traffic Control Device Plan – Sheet 46 of 51
RG 20110	RTC1147	0	Traffic Control Device Plan – Sheet 47 of 51
RG 20110	RTC1148	0	Traffic Control Device Plan – Sheet 48 of 51
RG 20110	RTC1149	0	Traffic Control Device Plan – Sheet 49 of 51
RG 20110	RTC1150	0	Traffic Control Device Plan – Sheet 50 of 51
RG 20110	RTC1151	0	Traffic Control Device Plan – Sheet 51 of 51

8.6 Site 12 – Tharwa Drive

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1201	0	Traffic Control Device Plan – Sheet 1 of 5
RG 20110	RTC1202	0	Traffic Control Device Plan – Sheet 2 of 5
RG 20110	RTC1203	0	Traffic Control Device Plan – Sheet 3 of 5
RG 20110	RTC1204	0	Traffic Control Device Plan – Sheet 4 of 5
RG 20110	RTC1205	0	Traffic Control Device Plan – Sheet 5 of 5

8.7 Site 13 – Cotter Road

Drawing No.	Sheet No.	Revision No.	Drawing Title
RG 20110	RTC1301	0	Traffic Control Device Plan – Sheet 1 of 8
RG 20110	RTC1302	0	Traffic Control Device Plan – Sheet 2 of 8
RG 20110	RTC1303	0	Traffic Control Device Plan – Sheet 3 of 8
RG 20110	RTC1304	0	Traffic Control Device Plan – Sheet 4 of 8
RG 20110	RTC1305	0	Traffic Control Device Plan – Sheet 5 of 8
RG 20110	RTC1306	0	Traffic Control Device Plan – Sheet 6 of 8
RG 20110	RTC1307	0	Traffic Control Device Plan – Sheet 7 of 8
RG 20110	RTC1308	0	Traffic Control Device Plan – Sheet 8 of 8

The drawings are provided in Appendix 2.

9. DRAINAGE MASTER PLAN

No changes to the existing drainage. A drainage masterplan is not required.

10. OUTLINES FOR MAJOR STRUCTURES

Not applicable.

11. GEO-TECHNICAL REPORT

Not applicable.

12. PAVEMENT OPTIONS STUDY

Not applicable.

13. PRELIMINARY GRADING AND TYPICAL CROSS SECTIONS

Not applicable.

14. PREDICTED 63 DB(A) LINE FOR MAJOR ROADS

Not applicable.

15. SITES OF SIGNIFICANCE (SECTION C9) AND GAZETTED AREAS

Not applicable.

16. LANDSCAPE DESIGN

Not applicable.

17. ENVIRONMENTAL CONSIDERATIONS

Not applicable.

18. IMPACT ON EXISTING AND FUTURE SERVICES, ROAD RESERVATIONS AND LEASES, ACCESS TO EXISTING AND PLANNED FACILITIES, PEDESTRIAN DESIRE LINES ETC.

Not applicable.

19. TRAFFIC MANAGEMENT DURING CONSTRUCTION

Temporary Traffic Management (TTM) Plans will be prepared by the contractor. There are no significant TTM issues identified at this stage.

20. PROPOSALS FOR MATERIALS, COLOURS AND FINISHES

Not applicable.

21. A PROPOSAL FOR PROVIDING CONDUITS, PRE-BLASTING ETC. TO ALLOW FOR THE FUTURE INSTALLATION OF SERVICES SUCH AS TRAFFIC LIGHTS, WATER MAINS ETC.

Not applicable.

22. PLANTING CONCEPTS INCLUDING SPECIES;

Not applicable.

23. TRAFFIC CONTROL DEVICES PLAN

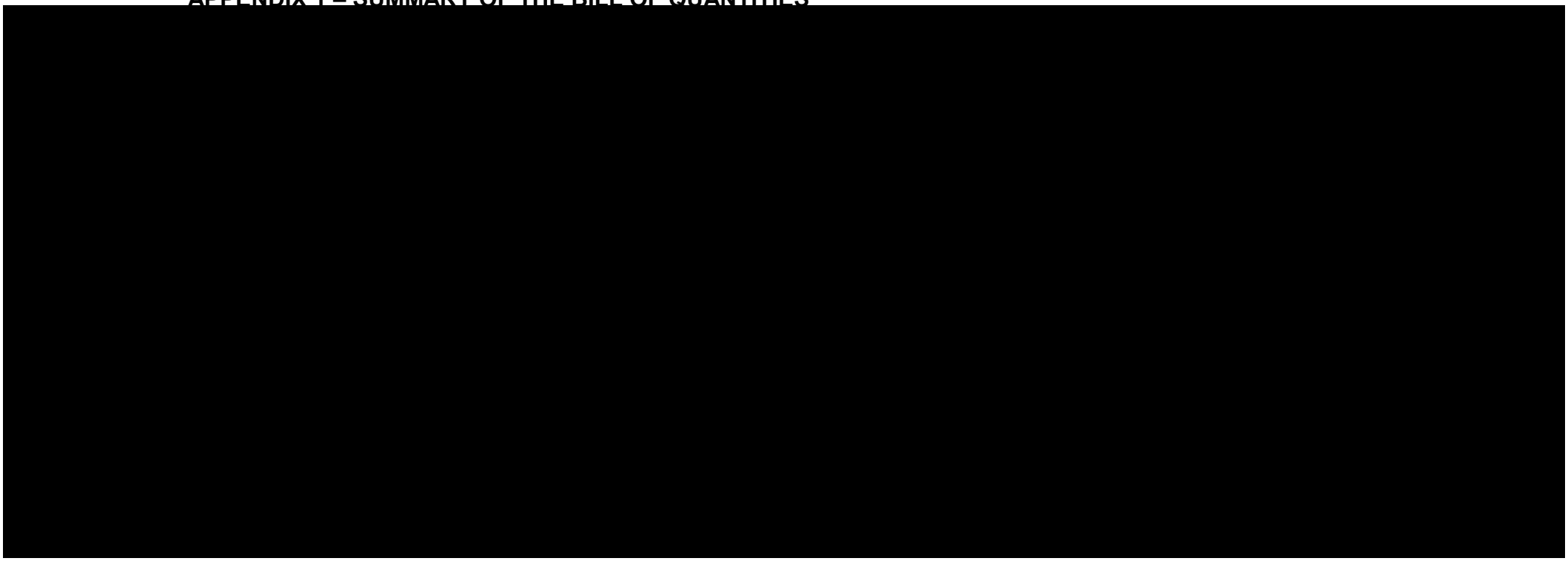
Refer to drawings Section 8.

This was not a requirement of the brief and it is noted that we have not assessed the requirement for, or suitability of the existing TCD’s.

24. RECOMMENDATIONS

We recommend that the ATLM installation and speed reductions proceed as designed.

APPENDIX 1 – SUMMARY OF THE BILL OF QUANTITIES



APPENDIX 2 – DETAILED DESIGN DRAWINGS

From:	Road Safety Program
To:	Earl, Owen; Harradine, Kae; Batzogiannis, Maria; Makula, Slawek; Clement, SophieJ; Lambert, Anthonie; [redacted]
Cc:	Road Safety Program
Subject:	Transport Canberra and City Services - APPROVED Road Safety Program (2023-25) [SEC=OFFICIAL]
Date:	Tuesday, 7 May 2024 12:34:50 PM
Attachments:	image001.png ACT Signed Letter.pdf ACT Approved Project List.pdf ACT Signed Instrument.pdf

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe. Learn why this is important

OFFICIAL

Good afternoon ACT colleagues,

I am pleased to advise that ACT's PPR for the Road Safety Program 2023-25 has been approved by the Hon Carol Brown, Assistant Minister for Infrastructure and Transport.

Funding has been approved on a 50:50 basis with the Australian Government contributing $5 million towards the delivery of 18 projects including 2 mass actions works and will see a combined program value of $10 million in road safety works.

Please find attached:

- A copy of the signed approval letter to Minister Steel
- A copy of the approved project list
- A copy of the funding instrument with $5 million in Australian Government funding.

The Department will be in touch to discuss next steps and the timing of a Joint Media Release that we have prepared for Minister Brown and Minister Steel to announce the approval of these works.

I trust you and the team will ensure these works are delivered across the next in accordance with 2023-25 the Program Guidelines, and as outlined in the proposal.

Please do not hesitate to contact Road Safety Program team if you have any questions or if variations be required across the delivery period.

Kind Regards,

[redacted]
Project Officer • Targeted Infrastructure Programs Branch • Road and Vehicle Safety Division
[redacted]@infrastructure.gov.au
P [redacted] • M [redacted]
GPO Box 594 Canberra, ACT 2601

Department of Infrastructure, Transport, Regional Development, Communications and the Arts

CONNECTING AUSTRALIANS • ENRICHING COMMUNITIES • EMPOWERING REGIONS

infrastructure.gov.au

I would like to acknowledge the traditional custodians of this land on which we meet, work and live.
I recognise and respect their continuing connection to the land, waters and communities.
I pay my respects to Elders past and present and to all Aboriginal and Torres Strait Islanders.

OFFICIAL

Disclaimer

This message has been issued by the Department of Infrastructure, Transport, Regional Development, Communications and the Arts. The information transmitted is for the use of the intended recipient only and may contain confidential and/or legally privileged material. Any review, re-transmission, disclosure, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited and may result in severe penalties.
If you have received this e-mail in error, please notify the Department on +61 (2) 6274 7111 and delete all copies of this transmission together with any attachments.

Senator the Hon Carol Brown

Assistant Minister for Infrastructure and Transport

Ref: MS23-004992

Mr Chris Steel MLA
Minister for Transport
Australian Capital Territory Legislative Assembly
GPO Box 1020
CANBERRA ACT 2601

Dear Minister Chris

Further to the May 2023 Budget, I am pleased to advise that I have approved $5 million in Australian Government funding towards the delivery of 18 projects, including two mass action treatments across the ACT through the 2023-25 Road Safety Program.

This funding has been approved on a 50:50 basis, and will see the delivery of a total of $10 million in road safety works.

All approved projects should be delivered in accordance with the 2023-2025 Road Safety Program Guidelines. The performance of Transport Canberra and City Services under the redesigned Program will be measured against the approved project descriptions as outlined in the Project Proposal Report.

Improving road safety data and strengthening program evaluation is a priority for the Government. The 2023-25 Program Guidelines stipulate proponents must provide data as outlined below:

Network wide data

- Average Annual Daily Traffic Counts (AADT), for light and heavy vehicles as per the Austroads 12 class classification system, or closest available classification system
- Pedestrian, cyclist and personal mobility device counts (where available)
- Road safety risk profile – pre and post treatment (ANRAM preferred)
- Rest area locations and facilities

Project locality or site-specific data

- Pedestrian, cyclist and personal mobility device counts (where available for relevant projects)
- Coordinate points or shapefile/line of exact location of proposed / delivered works

Parliament House Canberra | (02) 6277 3336 | carol.brown@mo.infrastructure.gov.au
136 Davey Street, Hobart, Tasmania 7000

Program Data

- Km of median treatments proposed/installed
- Km of barriers proposed/installed
- Km of separated cycleways proposed/installed
- Km of on-road cycleways proposed for replacement/replaced

A condition of this funding approval requires all jurisdictions to manage their schedule of activities, to ensure all approved projects are physically and financially complete by 30 June 2025 in line with the terminating Program.

To that end, the Department of Infrastructure, Transport, Regional Development, Communications and the Arts anticipates it will receive the Post Completion Report, data and all supporting evidence by April 2025 at the latest to enable full assessment and final milestone payment before 30 June 2025.

Should you wish to substitute alternate works with projects that have been approved, you must inform the department in writing and seek a formal variation prior to the commencement or construction of these new works. I have attached the formal approval instrument and the list of approved projects for your reference.

I trust that this will assist you with the implementation and delivery of the Road Safety Program, and I look forward to continuing to work with you to deliver important road safety outcomes for all road users across the road network.

Yours sincerely

Carol Brown

2 /5 / 2024

National Land Transport Act 2014
Investment Project
Approval No. APT354902
Approval Under Part 3 Sections 9 and 17

I, CAROL BROWN, Assistant Minister for Infrastructure and Transport:

a) being satisfied that the project referred to below (the Project) is eligible for approval in accordance with section 10 of the *National Land Transport Act 2014* (the Act) and considering that it is appropriate to approve the Project in accordance with section 11 of the Act, approve the Project under section 9 of the Act; and

b) approve, under section 17 of the Act, the provision of Commonwealth funding for the Project to the eligible funding recipient identified below.

CAROL BROWN

2/5/24

Project No.	113789-20ACT-NP
Project Name	Road Safety Program additional funding - ACT
Sub-Program	Infrastructure Investment
Project Description	Works will enable the delivery of road safety infrastructure treatments to reduce fatal and serious injury crashes on Australian Capital Territory roads. Eighteen Road Safety Program projects as outlined in the PPR of 15 March 2024 are approved including the installation of road safety barriers, new audio tactile line markings and sealing of road shoulders. Pedestrian safety improvements will include improvements for vulnerable road users around school zones. Upgrades to the active road user network will include pedestrian and cycleway improvements, raised pedestrian crossings and cycling on and off-ramps.
Maximum Funding Amount that the Commonwealth may Contribute	$5,000,000
Eligible Funding Recipient	Transport Canberra and City Services Directorate

Attachment B - ACT Project List

Regional / Urban / Rural / Footpath	Name of Project / Road Corridor	Treatments to be Applied		Project Cost (whole dollars)
		Treatment Category (refer to the 'Definitions' sheet)	Description	[redacted]
Pedestrian/Cyclist - Urban	Telopea Park Crossing (NSW Crescent on southwest point into Telopea Park)	Pedestrian/Cyclist treatments	Installation of pedestrian crossings x 2	
Pedestrian/Cyclist - Urban	Lake Burley Griffin Cycling Circuit at Alexandrina Drive, Yarralumla	Pedestrian/Cyclist treatments	Installation of pedestrian crossing x 2, lighting pole, line marking, signages etc on the conflict points along this principal route	
Pedestrian/Cyclist - Urban	Raised pedestrian crossing on Bauhinia Drive, O'Connor	Pedestrian/Cyclist treatments	Installation of a raised pedestrian crossing x 1.	
Pedestrian/Cyclist - Urban	Hopetoun Circuit/Adelaide Avenue on ramp (Blister islands & path network improvements)	Pedestrian/Cyclist treatments	Installation of a pedestrian crossing x 1 and some cycle lane improvements on off and on-ramp Adelaide Ave	
Pedestrian/Cyclist - Urban	Wentworth Ave (C2 - City to Queanbeyan Link)	Pedestrian/Cyclist treatments	Construction of off-road shared path to avoid conflict with vehicles	
Pedestrian/Cyclist - Urban	Bowman Street, Jamison	Pedestrian/Cyclist treatments	Installation of a raised pedestrian crossing x 1.	

Attachment B - ACT Project List

Pedestrian/Cyclist - Urban	Beasley Street pedestrian safety improvements to bus stops (Torrens shops)	Pedestrian/Cyclist treatments	Providing pedestrian crossing facilities (2 x kerb ramps) between bus stops.	[redacted]
Urban	Brindabella Road safety barriers and speed reductions	Barriers	Installation of Safety barriers & Speed reduction signs	
Urban	Long Gully Road ATLM and safety barriers	Barriers	Installation of Safety barriers & ATLM	
Urban	Boboyan Road safety barriers and speed reductions	Barriers	Installation of Safety barriers & Speed reduction signs	
Urban	Kings Highway - Delivering ANRAM (safety barriers)	Barriers	Safety barriers installation on stretches near ACT/NSW border with some speed reduction signs	
Urban	Bugden Avenue (from North to South Castleton Crescent) - Local Area Traffic Management (LATM)	Pedestrian/Cyclist treatments	Implementing Local Area Traffic Management (LATM) interventions, such as raised intersection pavements, footpath crossings, kerbs widening and adjustments, and installation of a small roundabout (4m)	
Urban	Various sites for audio tactile line marking (ATLM) and speed reduction measures	Delineation	Installation of ATLMs, speed reduction signs and rumble strips	
Urban	Raised pedestrian crossing on Bauhinia Drive, O'Connor	Pedestrian/Cyclist treatments	Installation of speed reduction signs and speed humps	

Attachment B - ACT Project List

Urban	Horse Park Drive / Burrumarra Avenue / Whitrod Avenue Roundabout Improvements	Interchange/Intersection	Widening the road to the west of the existing road alignment for the provision of the roundabout circulating lane, including installation of 8m single lane roundabout with 2.7m low profile concrete and adjustment to streetlights and some active travel network.	[redacted]
Urban	Kambah school safety improvements Kambah East (Marconi Cres, Summerland Cct, Livingston Ave, Mannheim St) Kambah West (Boddington Cres and O'Halloran Cct)	Multiple treatments	Installation of safety treatments such as refuge islands, pavement sealing works, reduce speed & cyclist warning signs (excludes speed cushions)	
Urban	Watson school safety improvements – Antill St, Knox St & Aspinall St	Multiple treatments	Installation of safety treatments such as refuge islands, pavement sealing works, reduce speed & cyclist warning signs (excludes speed cushions)	
Urban	Palmerston school safety improvements – Kosciusko Avenue	Multiple treatments	Installation of safety treatments such as refuge islands, pavement sealing works, reduce speed & cyclist warning signs (excludes speed cushions)	