

Territory and Municipal Services

Reference Document 6A



Territory and Municipal Services

Requirements for Design Acceptance submissions for infill developments

Issue 1 Revision 1

Approved for Issue

Approved by:

Paul Peters
Executive Director Infrastructure
Roads and Public Transport

Date: 2.03.2016

In this document infill developments are defined as residential and/or commercial developments within a block. It specifically excludes developments which require subdivisions, or creation of new infrastructure network.

Table of Contents

1. Document Information	6
2. Definition of Terms	7
3. Purpose.....	9
4. Scope	9
5. Objectives	9
6. General Requirements	9
6.1 Design checklist AA-DCL-06A	9
6.2 Design report	9
6.3 Design Drawings	11
7. Supplementary Submissions	13
8. Fees and charges	13
9. Asset Specific Requirements	13
9.1 Access Driveway.....	13
9.2 Paths and Crossings.....	13
9.3 Traffic Control Devices and Traffic Signals	13
9.4 Parking.....	14
9.5 Stormwater and easment.....	14
9.6 Landscape	14
9.7 Waste.....	15
9.8 Public lighting.....	15
10. Risk Analysis	15
11. Final Design Approval.....	15
12. References.....	16
13. Attachments	16

1. Document Information

Approval

Date approved	2.03.2015
Date effective	7.03.2016
Approved by	Executive Director Infrastructure Roads and Public Transport
Review date	6 months from date of effect
Expiry date	N/A
Content owner	David Roulston
Advisor	Gabriel Joseph
Audience	Industry

Amendment history

Version	Issue date	Amendment details	Author
1.1	25/02/2016	Initial release	Gabriel Joseph

Note: The current version of this document is on the TAMS website. Printed copies may be out of date, please check before using.

2. Definition of Terms

Term	Definition
Agent	<p>The entity formally authorised by the Developer (TAMS authorisation letter Appendix B) to act on behalf of the Developer during the planning, design, construction and handover of civil and landscape public infrastructure works.</p> <p>The Developer has the choice of engaging the services of Coordinator to act as an Agent. The Agent may be design consultant, superintendent or a project manager.</p> <p>The Agent will be responsible for the coordination of documentation prepared and certified by the relevant Consultant/s for civil and landscape works. The Agent shall be responsible for the lodgement of the Submission with TAMS and shall be the consistent point of contact between Asset Acceptance, and the Developer throughout the life of the development unless advised otherwise by the Developer.</p> <p>Asset Acceptance is not required to meet or communicate directly with any other entity or individual other than the nominated Agent on issues relating to the Submission.</p>
Applicant	The Developer or the Agent nominated by the Developer responsible for preparing and lodging the submission with TAMS
Asset	The completed Works on the Unleased Territory Land
Asset Acceptance (AA)	Asset Acceptance is the section of TAMS responsible for coordinating the Asset and nominated capital works design and construction acceptance process on behalf of TAMS.
Asset Acceptance Project Lead (Lead)	The Manager who will act as a single point of contact for the submission.
Design Consultant	The entity responsible for the preparation and certification of the design.
Chartered Engineer	An engineer who has the chartered status of Chartered Professional Engineer (CPEng) and is registered as such on the National Professional Engineers Register (NPER) administered by Engineers Australia. The Chartered Engineer must also be acceptable to, and meet the requirements of, the ACT Government and be suitably experienced in the type of engineering work involved in this project.

Developer	<p>In the private sector, the organisation nominated in the Deed of Agreement as the 'Developer' responsible for development of public infrastructure works.</p> <p>In the public sector, any ACT Government Directorate excluding TAMS, responsible for development of public infrastructure works in the ACT.</p> <p>Developer is the legal entity that would be held responsible by TAMS for all of the aspects the land development approval process.</p>
Design Acceptance	Acceptance by TAMS that the design of the Works is acceptable to the extent that it complies with the plans, specifications and Requirements and has been satisfactorily completed. All documentation necessary for the construction of the Works shall be certified by the Design Consultant as appropriate, complying with the Requirements and the Standards and fit for purpose. The issue of a Design Certificate does not transfer the responsibility for the integrity of the design to TAMS, nor does it in any way absolve the Agent and Design Consultant from all care and responsibility for the integrity of the design and its compliance with the Requirements and the Standards.
Fees and charges	As per "Submissions and Inspections Guideline Principles and Related Fees and Charges for TAMS and Industry".
Infill developments	<p>In this document infill developments are defined as residential and or commercial developments within a block.</p> <p>It specifically excludes developments which require subdivisions, or creation of new infrastructure network.</p>
Standards	All Australian Standards, applicable written ACT Government standards, codes and guidelines and all statutory and regulatory requirements governing the design of the works.
Works	The public infrastructure works for which TAMS will become the ultimate owner and operator on behalf of the ACT Government.
Works Area (Area)	The area bounded by the approved Works boundaries and all road reserves, street verges, public open spaces and unleased Territory land adjacent to, and within ten metres of, the Works boundaries.

3. Purpose

This document establishes the Territory and Municipal Services (TAMS) mandatory design requirements (Requirements) to be included in any Submission requesting Design Acceptance (Submission) for proposed public infrastructure works (Works) associated with infill developments.

4. Scope

These Requirements apply to any formal Submission for all Infill Developments Works.

5. Objectives

The Requirements are issued to;

- define the information required by TAMS for any infill development Submission to be accepted, reviewed, assessed, and ultimately endorsed and, to
- to encourage high quality Submissions with complete supporting documentation that complies with these Requirements.

6. General Requirements

The design submission should consist of;

- [Design checklist AA-DCL-06A](#)
- [Design Report](#)
- [Design Drawings](#)

6.1 Design checklist AA-DCL-06A

Please refer to attachment A

6.2 Design report

Design report shall consist of the elements listed below. **All elements listed below must be addressed.** Elements not applicable to the project must be addressed by a “Not applicable” comment.

6.2.1 Index

All sections of the Design Report so that records can be easily traced and located.

6.2.2 Letter of Authorisation

Letter in which Developer legally authorizes the entity to represent the Developer to liaise with TAMS in regards to all matters relating to the project

6.2.3 Certification

The Design Consultant shall certify, that the design complies with the Standards and all previous approvals .i.e. Estate Development Plans, Development Applications, Deed of Agreement, Notice of Decision, Works Approval and Prescribed Conditions.

The certification is to include a clear unambiguous confirmation that the Submission satisfies the safety, operational and maintenance requirements for the Works together with a recommendation that the Submission be endorsed by TAMS.

Any departure from the Standards will require documenting with justification that the design element still meets the design criteria and safety requirements.

6.2.4 Project description

The Project Description shall commence with the reason for the proposed works: the intent of this is to make the Design Report self-explanatory without the need for recourse by TAMS to previous studies or other reports.

This shall be followed by a Synopsis of the Works-to-date recording all preparatory events leading to the Submission and include all reports developed and submitted during the Works definition stages.

- the **Scope** of the Works;
- a **Site plan** (including the **Proposed Staging, if any** and indicating the relationship with other stages) with Block and Section, Suburb and Street name(s);
- the Works Title;
- List all **key parties** involved in the project including:
 - Client
 - Developer
 - Agent (the Developer or Consultant or the agent of the Developer)
 - Design Consultant/s

6.2.5 Consultation

The submission shall include details of any consultation with stakeholders and the general public identifying any issues raised and the actions/outcomes proposed to address those issues.

6.2.6 Products

The submission shall contain a list of all TAMS approved new and/or customer supplied products identified by makers name, model and model number together with certification that the product complies with the Standards.

6.2.7 Exception Clause

The Design Consultant shall prepare and submit a list of any variances from, and/or non-compliances with, the requirements of this document and the Standards.

6.2.8 A list of all drawings

To include document numbers and revisions formatted in excel as per the example below:

Doc. Ref. No:	Revision No:
C-0474-1E-DO1	C
L-0475-1E-DO2	C

6.2.9 Dilapidation Report

The dilapidation report is to show infrastructure and services within the area of the project including adjacent Open Space, that may be affected by construction activities such as parking, unloading and delivery of materials and heavy machinery.

The report is to contain map of the area cross referenced with close up photos of identified defects.

Sample dilapidation report provided in Appendix C.

6.2.10 Temporary works

Drawings depicting temporary works shall be included in a separate section of the Design Report.

The Design Report shall demonstrate that the proposed Works are consistent with the existing conditions by extending cross sections and long sections sufficiently onto any adjacent infrastructure such that the consistency can be recognised.

6.3 Design Drawings

Design Drawings shall be individually signed by the responsible Chartered Engineer/ Architect/ Landscape Architect as a confirmation that the documents comply with the design criteria and the Standards.

As part of the detailed design assessment, drawings shall be provided in **all** of the following formats:

The following design drawings and specifications shall be included:

6.3.1 Plan Index and/or Key Plan

6.3.2 Landscape Management and Protection Plan (LMPP) – as per Reference Document 04 Requirements for the Protection of Public Landscape Assets Adjacent to Development Works.

6.3.3 Project Site Plans showing the precise location of new road boundaries and/or the extent of the site requirements including access provisions, construction compound and spoil dumps. The Plans shall also indicate all existing and altered landforms, paved areas and planting, and the location of main services with floor plans.

6.3.4 General Arrangement Plans showing all works, irrespective of type, illustrating in a simple and legible manner exactly what is involved in the Works.

6.3.5 Location Plan showing the relationship of the Works site to existing buildings and landscape features.

6.3.6 Standard Details of all civil and landscape infrastructure works.

If applicable;

Survey and Setting Out details;

Typical Cross-sections and Construction Details;

Use of Recycled Materials.

Electronic formats:

One full set of CAD drawings compliant with the latest version of 'Ref-11 TAMS Drafting Standard'.

One full set of drawings in PDF format legible at the scale in accordance with AS 1100 and with a resolution of 600 DPI or higher. These drawings are to be oriented correctly with respect to the original (landscape).

Hardcopy formats:

One full set of hardcopy drawings legible at the scale in accordance with AS 1100. (Drawings originated at A1 size and reduced to A3 for inclusion in the Submission are not acceptable).

The Submission must be complete as per the Notice of Decision and include all *design elements* such as; Civil, Landscape, TCDs and Public Lighting of the Works.

TAMS will not accept incomplete Submissions or Submissions from individual Consultants for

separate **design elements** of the Works. Where TAMS considers the Submission to be incomplete, the Agent will be advised to this effect and will be requested to collect the Submission from TAMS offices.

Assessment will not commence until a complete Submission has been received.

Upon receipt of the complete Submission, TAMS will acknowledge receipt confirming the date of Submission and nominating the Project Lead responsible for the progression of the Submission through the review and approval process: all communication by the Agent with TAMS shall be through the Project Lead.

7. Supplementary Submissions

Any supplementary Submissions, whether initiated by TAMS or by the Agent, must contain all the elements identified in Clause 6.1, together with reasons for the changes. In the event that the resubmission is a response to a request from TAMS, the Agent shall address point by point all the issues raised by TAMS in its request for changes.

Changes to any drawing submitted by the Agent shall be clearly highlighted by 'clouding' the areas changed and the inclusion of a table identifying the changes made and their sequence.

8. Fees and charges

Fees for re-submissions may apply. Please refer to ["Fees and charges guidelines to the Industry"](#) for details.

9. Asset Specific Requirements

Where applicable to the specific asset, the following information shall be provided:

9.1 Access Driveway

Fully dimensioned plan of the driveway showing materials, thickness, joints, reinforcement, vertical and horizontal Geometry, clearances to trees, street light poles, services and other solid objects, path crossing priority, sightlines etc.

9.2 Paths and Crossings

- Paths geometry and widths.
- Path continuity through driveways.
- Tactile paving where necessary

9.3 Traffic Control Devices and Traffic Signals

Design of permanent traffic control devices including signs and lines.

Traffic signal layout including post and lantern configuration, loop layout controller

position and supply connection point.

A formal submission of Traffic Control Devices shall include the following:

- a transmittal notice (Appendix C)
- a CD of the drawing in CAD and pdf format,
- two hardcopies of the drawing in size sufficient to see details of the design (A3 or A1) in scale in accordance with AS 1100

9.4 Parking

On and off-street geometry including provision for disabled and service vehicle parking. Dimension of the bays including line marking TCD etc.

9.5 Stormwater and easment

Details of drainage proposals including sumps, manholes, cover levels, inverts, grades, ties and sizes for any piped network. Longitudinal section through the pipe to show the clearances the services to be provided.

If the development is located in close proximity to the floodway, flood assessment report to be included.

The plan should also show the Easements, clearances and access to the easement from the nearest road frontage. The access to the easement from the road should be shortest as possible.

If other services involved;

- Site servicing drawings showing all hydraulic services, ground levels location of sumps and overland water flow, etc.
- Location of existing trees relative to existing and proposed services.
- Location of all utility services, survey marks, structures, etc.
- Identify services to be relocated and/or abandoned as a consequence of implementing the Works.

9.6 Landscape

9.6.1 Soft landscape

- Landscape Management Protection Plan (LMPP).
- Readable Composite Verge Plan on A3 size sheet including the itemising of all Landscape elements including tree location and canopy extent
- Landscape plans and supporting drawings showing in detail the plant species
- Clearances from other infrastructure and details of root barriers.

9.6.2 Hard landscape

- Readable composite Verge Plan on A3 size sheet including footpaths,
- Driveways, all services, service ties, mini pillars, sumps, manholes, streetlights, parking and waste pads (if directed by TAMS).
- Landscape plans and supporting drawings showing in detail the area and type of fencing, the paving areas and materials to be used, external lighting and associated water services.
- Irrigation, pedestrian paving.

9.7 Waste

For Works that include any Waste Management component, waste enclosures or changes in the number or arrangement for collections, the Consultant must certify the Submission as complying with the requirements of the Development Control Code for Best Practice Waste Management in the ACT.

The waste enclosure location must be provided with dimension and the storage space must be adequate to store MGBs and Hoppers with separation for commercial and residential waste. Waste vehicle travel path inside the block boundary with grades and clearances, turning template etc shall be also provided.

9.8 Public lighting

A lighting layout of the scheme at 1:500 or 1:200, depending on size of the Works, showing in A1 size sheet the, connection points, proposed cable routes etc.

10. Risk Analysis

Where specifically requested by TAMS, any risk analysis included in a Submission shall be submitted in accordance with the recommendations of AS4360: 2004.

Any proposals of innovative design solutions outside of the Standards and Specifications should include a Risk Analysis.

11. Final Design Approval

If the design elements are assessed as not complying with these Requirements, the Agent will be notified to this effect and the non-complying elements identified. The Agent may make the necessary changes to rectify the non-complying elements and resubmit the Submission. If the Agent is of the opinion that those elements identified as non-complying are in fact in accordance with sound engineering design principles and/or best engineering practices, the Agent may submit a report supporting and substantiating the original design.

Upon completion of the review process and the Submission being assessed as complying with these Requirements and the design elements complying with the Standards, a

Certificate of Design Acceptance will be issued to the Developer.

The Certificate will list the elements of the design that have been assessed and list the drawings and other documentation that comprise the Submission, including their revision status.

12. References

- Development Control Code For Best Practice Waste Management In The ACT Urban Services September 2014. Available online at http://www.tams.act.gov.au/_data/assets/pdf_file/0011/586766/Development-Control-Code-for-Best-Practice-Waste-Management-in-the-ACT.pdf
- Design Standards for Urban Infrastructure Urban Services. Available online at [http://www.tams.act.gov.au/roads-transport/Development Approval and Applications/development applications/design standards for urban infrastructure](http://www.tams.act.gov.au/roads-transport/Development%20Approval%20and%20Applications/development%20applications/design%20standards%20for%20urban%20infrastructure)
- Ref-11 TAMS Drafting Standard, Territory and Municipal Services. Available online at [http://www.tams.act.gov.au/Development and Project Support/standards-codes-and-guidelines/page/tams_drafting_standard](http://www.tams.act.gov.au/Development%20and%20Project%20Support/standards-codes-and-guidelines/page/tams_drafting_standard)
- Ref-04 Guidelines for the Protection of Public Landscape Assets adjacent to Development Works Territory and Municipal Services. Available online at [http://www.tams.act.gov.au/_data/assets/pdf_file/0005/398084/AA-REF-04 Landscape Management and Protection Plans LMPP REV14-1-10.pdf](http://www.tams.act.gov.au/_data/assets/pdf_file/0005/398084/AA-REF-04_Landscape_Management_and_Protection_Plans_LMPP_REV14-1-10.pdf)
- AS 1100 Technical Drawing Standards Australia

13. Attachments

Appendix **A**: Infill Developments, Checklist AA-DCL-06A

Appendix **B**: Sample dilapidation report

Appendix **C**: Transmittal notice

Appendix A

Infill Developments
Requirements for Design Acceptance Submission
Design Checklist AA-DCL-A,

Issue: 1 Revision: 1

Project Title (suburb, block & section)	<input type="text"/>		
Project description	<input type="text"/>		
Developer's/Client's details			
Name of the entity	<input type="text"/>		
Address	<input type="text"/>		
Contact person	<input type="text"/>		
E-mail	<input type="text"/>	Tel. number	<input type="text"/>
Applicant details			
Company	<input type="text"/>	Contact person	<input type="text"/>
Address	<input type="text"/>		
E-mail	<input type="text"/>	Tel. number	<input type="text"/>

These documents are submitted for audit and comments or endorsement.

All documents are in accordance with the design brief and have been prepared in accordance with the Requirements detailed in Reference Document AA-REF-06A Infill Developments- Requirements for submission Requesting Design Acceptance (Ref 06A)

Note:

The Submission must be complete and include all Civil, Landscape, TCD's and Public Lighting, and any other design elements of the Works. TAMS will not accept incomplete Submissions or Submissions from individual Consultants for separate design elements of the Works. Where TAMS considers the Submission to be incomplete, the Applicant will be advised to this effect within five working days following receipt of the Submission and will be requested to collect the Submission from TAMS offices. Assessment will not commence until a complete Submission has been received.

Applicants signature	<input type="text"/>	Date	<input type="text"/>
-----------------------------	----------------------	-------------	----------------------

	Yes	No	N/A	Office use
Has agent authority been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are evidence of previous discussions, agreements with NCA provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does Notice of Decision require Design Acceptance?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the proposal addresses Prescribed Conditions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have the relevant approval/s and licences been obtained?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has supporting documentation/approvals been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Refer to relevant clause of Reference Document 06 A for details

	Yes	No	N/A	Office use
Index (clause 6.2.1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Letter of Authorisation (clause 6.2.2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Certifications (clause 6.2.3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Project description (clause 6.2.4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consultation (clause 6.2.5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Products (clause 6.2.6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exception clause (6.2.7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A list of all drawings and revisions (clause 6.2.8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dilapidation report (clause 6.2.9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plan Index and/or Key Plan (clause 6.3.1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landscape Management and Protection Plan (LMPP) (6.3.2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Project Site Plans (clause 6.3.3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General Arrangement Plans (clause 6.3.4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Location Plan (clause 6.3.5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Standard Details (clause 6.3.6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Does this project include **driveway?** ☐ if "Yes" then answer below questions
☐ if "No" go to section 2

(1) Access/Driveway (Ref DS05, AS 2890.1)

	Yes	No	N/A
Is the location as per DA?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are there any heritage restrictions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are all dimensions checked and shown on drawings?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do the design details (incl: materials, thickness, joints, reinforcements, vertical & horizontal geometry) comply with the Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have the vertical and horizontal clearances been checked and shown on drawings (this include trees, services, street lights and other solid objects) ?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the path crossing been checked for priority and visual separation between path and driveway?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the sight lines shown and satisfactory?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(2) Paths and Crossings : (ref DS05, AUSTRROADS Guide to Road Design Part 6A, AS 1428)

Does this project include a new **path**? ☐ if "Yes" then answer below questions
☐ if "No" go to section 3

	Yes	No	N/A
Is the path crossing at the driveway satisfactory?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is the path continuity satisfactory?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the design details satisfactory (materials, thickness, vertical & horizontal geometry)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have the vertical & horizontal clearances(continuous and rigid objects) been checked?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the pram ramp been designed in accordance with the Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the pram ramp design follow requirements of the Standards in regards to tactile indicators?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(3) Traffic Control Devices: (DS 09, AS1742, AS1743)

Does this project include **Traffic Control Devices**? ☐ if "Yes" than answer below questions
☐ if "No" go to section 4

	Yes	No	N/A
Is the line marking satisfactory?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are proposed signs in accordance with the Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are proposed RRPMS in accordance with the Standards ?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has details of non standard signs been provided	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(4) Parking : (DS 10, AS2840, AS1428)

Does this project include proposal for on-street or off-street parking? ☐ if "Yes" than answer below questions
☐ if "No" go to section 5

	Yes	No	N/A
Is the number of parking spaces in accordance with DA, NCA or EDD requirements?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the dimensions of bays in accordance with AS2840 and Parking Code?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the layout (eg. circulation) satisfy relevant Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(5) Stormwater and Easement : (Ref DS01, Construction in the Vicinity of Stormwater Easement)

Does this project impact on an **easement or SW?** ☐ if "Yes" then answer below questions
☐ if "No" go to section 6

Note: Sites that are located adjacent to low points in roads or sites that are subject to overland flows from adjacent property need to have a flood assessment report. This report should demonstrate, among other things, how flows up to the 1%AEP (Annual Exceedance Probability) level are to be accommodated around or through the site in a safe manner to the satisfaction of TAMS as the maintenance authority for the drainage system.

	Yes	No	N/A
Is this development in close proximity to floodway?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is this development site located adjacent to low point in a road?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For developments adjacent to the floodway: Has the certification that the development is above 1:100ARI + 500mm freeboard provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have flood assessment including overland floodpaths been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have details (location/depth/grades) of new ties been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If existing tie is used, is it adequate (material, grade, invert levels, joints and capacity etc)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the longitudinal section through the pipe been provided in accordance with the Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the pipe cover been provided in accordance with the Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have the clearances between other services been provided in accordance with the Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the manhole been designed in accordance with the Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the SW easement and location of the service within the easment been shown on plan?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the detail of the access to the easement been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the vertical clearance to the easement been provided as per Standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the proposal include new easement?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(6) Landscape : (DS 22 & 23)

Does this project include **verge landscape works?** ☐ if "Yes" than answer below questions
☐ if "No" go to section 7

	Yes	No	N/A
Is the removal or relocation of trees in accordance with the DA?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the tree species in accordance with the DA?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the LMPP been prepared in accordance with requirements of Ref 04?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do the design drawings clearly show the proposed landscape treatment?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(7) Waste : (Ref Development Control Code – For Best Practice Waste Management in the ACT)

Does this project require **waste management plan?** ☐ if "Yes" than answer below questions
☐ if "No" go to section 8

	Yes	No	N/A
Has the waste management plan been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is the kerbside collection satisfactory?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is the carting distance in accordance with the Development Control Code?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have the dimensions and location of the waste enclosure been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has adequate space been provided for the storage of MGBs and Hoppers?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has separate storage space been provided for commercial and residential waste?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the turning template for the waste collection vehicle been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the Waste vehicle travel path adequate clearances?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Does this project include **public lighting?** ☐ if "Yes" than answer below questions
☐ if "No" go to section 9

(8) Public Lighting: (DS 12, AS1158)

	Yes	No	N/A
Is the location and clearances shown on the drawings and are they satisfactory?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is the design of the public lighting in accordance with the Standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has the Certification by an electrical engineer been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(9) Miscellaneous items:

a) Please answer below questions if this project include new or relocation of a **bus stop**?

	Yes	No	N/A
Does the location satisfy safety requirements?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has consultation with ACTION been carried out?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has consultation with the affected residents been carried out?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

b) Please answer below if your project includes **retaining wall**;

	Yes	No	N/A
Does the design satisfy relevant standards?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has certification by the structural engineer been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have the safety implications and sight lines been considered?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have details of fences and barriers been provided?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments

Appendix B

DILAPIDATION REPORT

BLOCK 3 SECTION 488 NARRABUNDAH, ACT

Date: 01.01.2016

Site plan and locations of photos

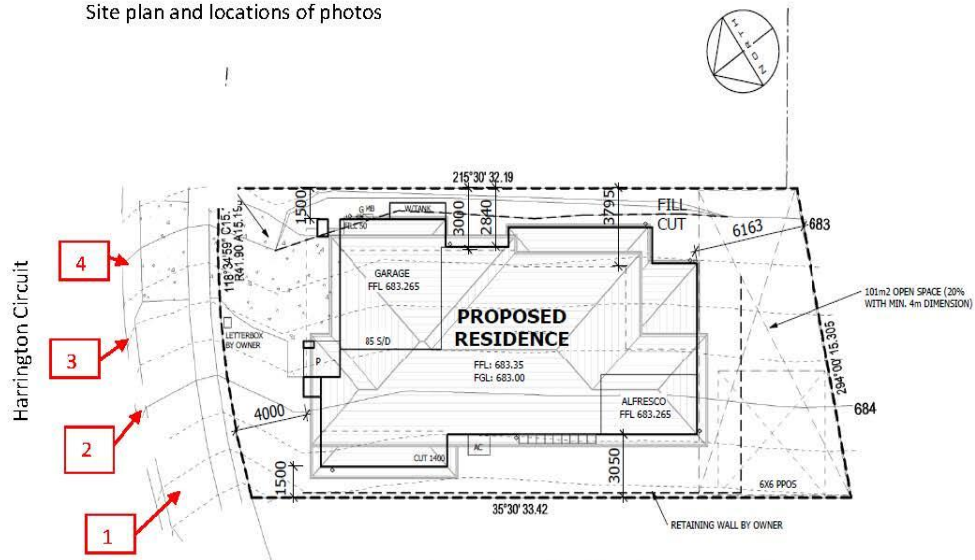


Photo 1- Cracked footpath



DILAPIDATION REPORT

BLOCK 3 SECTION 488 NARRABUNDAH, ACT

Date: 01.01.2016

Photo 2 - Damage to SW sump



Photo 3 - Crack on the kerb and gutter



Photo 4 - Cracked verge crossing



Page 2 of 2

Appendix C

Traffic Control Devices (TCD) Transmittal Form

Submit to: Territory and Municipal Services Directorate, Macarthur House, 12 Wattle Street, Lyneham 2602

AIG Form : C3 – TCD001 v1.1 Page 1 of 2

TCD Number:

TC

TAMS Business Unit

TAMS Project Officer

TCD Drawing Submissions

Provide the TCD drawings in the following formats:

2 signed colour hard copies (1 x A1 + 1 x A3) and a CD with the TCD drawings in DWG format. Submissions must comply with current TAMS Ref-08 and Ref-011 and Australian Standards

Date / Time Received

Consultant	<input type="text"/>	Contact	<input type="text"/>
Project Name	<input type="text"/>	Phone	<input type="text"/>
	<input type="text"/>	Email	<input type="text"/>
Suburb	<input type="text"/>	Block	<input type="text"/> Section <input type="text"/>
Primary Road	<input type="text"/>		

Select the type of project that this TCD submission relates to: **(Tick only one)**

Asset Acceptance authorises TCDs for the following project types:

1

Redevelopment Projects

9

New Subdivisions

Roads ACT authorises TCDs for the following project types:

1

Capital Works

9

Minor New Works

☐

NCA Land

11

Entirely within Private Leases

Guide Signs	Are any guide signs being modified or erected as part of this TCD works? If Yes, attach guide sign inventory forms and guide sign design drawings with TCD submission	YES / NO
Major Intersections	Are any major intersections \ major roundabouts being modified or constructed as part of this TCD works? If Yes, include 1:200 design drawings for each major intersection location with TCD submission	YES / NO
Traffic Signals	Does the project involve traffic lights? If Yes, include 1:500 TCD; 1:200 TCD; hardware; and cables & loops drawings for traffic lights with TCD submission	YES / NO

[illegible]

