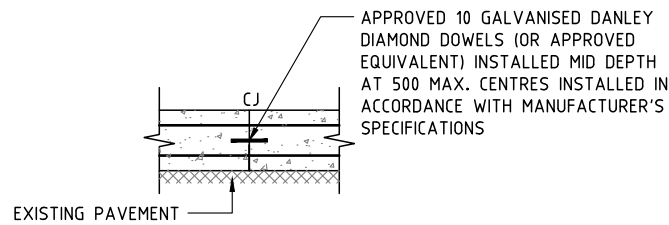
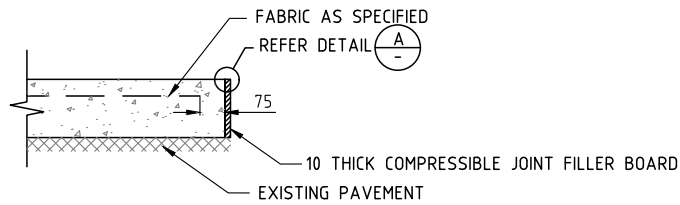


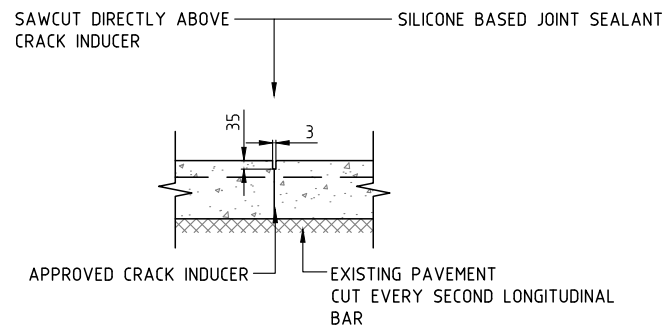
CONSTRUCTION JOINT DETAIL (CJ) - OPTION A
NOT TO SCALE



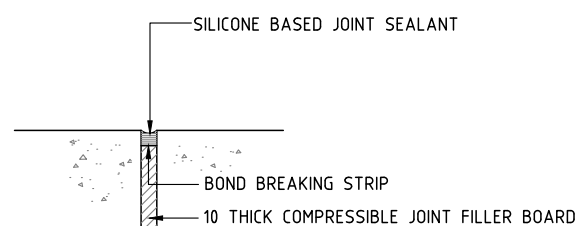
CONSTRUCTION JOINT DETAIL (CJ) - OPTION B
NOT TO SCALE



EXPANSION JOINT DETAIL (EJ)
NOT TO SCALE

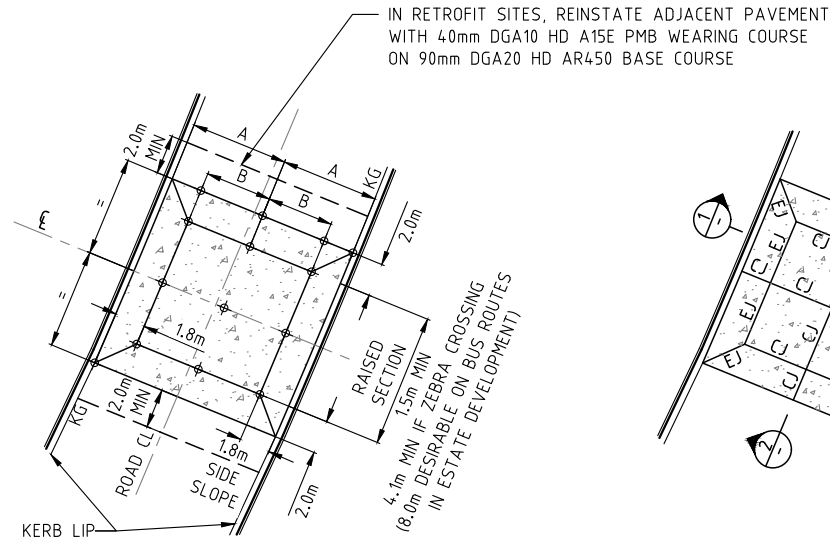


WEAKENED PLANE JOINT DETAIL (WPJ)
NOT TO SCALE



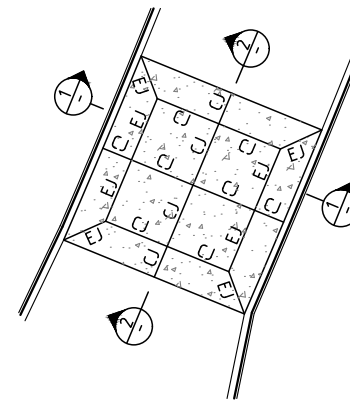
DETAIL (A)

TYPICAL CONCRETE JOINTS
NOT TO SCALE

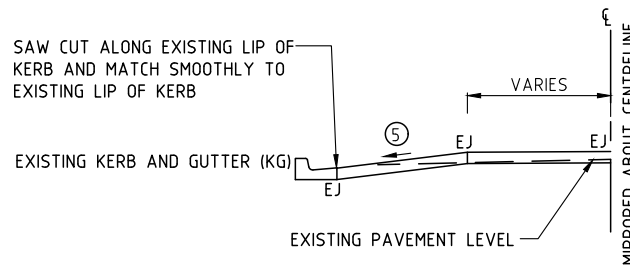


SETOUT PLAN
NOT TO SCALE

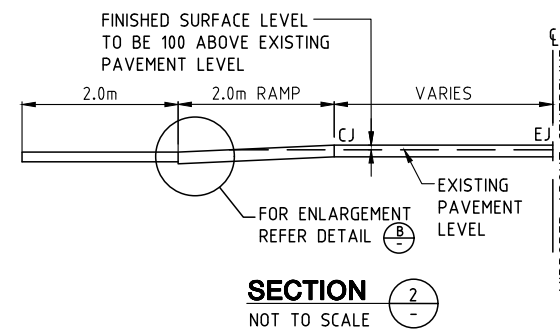
PLATFORMS IN EXISTING AREAS:
THE CONTRACTOR SHALL TAKE LEVELS AT THE POINTS SHOWN TO ENSURE THAT THE FINISHED PLATFORM LEVEL IS THE CORRECT HEIGHT IN RELATION TO THE EXISTING PAVEMENT



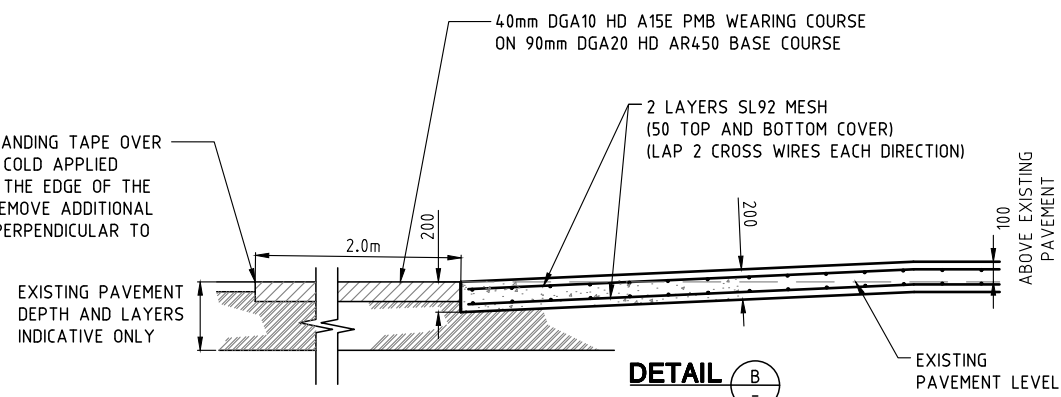
JOINTING PLAN
NOT TO SCALE



SECTION (1)
NOT TO SCALE



SECTION (2)
NOT TO SCALE



TYPICAL FLAT TOP SPEED HUMP
NOT TO SCALE

NOTES

- ALL DIMENSIONS SHOWN ARE IN mm UNLESS SHOWN OTHERWISE.
- REFER MIS13 FOR VERTICAL DEFLECTION DEVICE REQUIREMENTS.
- REFER TO ACTSD-3532 FOR LAYOUT REQUIREMENTS FOR TRAFFIC CONTROL DEVICES, AND FOR ALTERNATIVE RAISED PLATFORM LAYOUTS AND DETAILS TO BE ADOPTED WHERE ONE OR BOTH SIDES OF THE RAISED PLATFORM IS FLUSH WITH THE VERGE/MEDIAN.
- PLATFORM RAMP GRADES WILL VARY DEPENDING ON THE EXISTING PAVEMENT GRADES AND CROSSFALLS. THE CROSS SECTION PROFILE OF THE RAISED PLATFORM PORTION OF THE ROAD HUMP IS TO FOLLOW THE AVERAGE CROSSFALL GRADES OF THE UNDERLYING ROAD. THE LONGITUDINAL GRADE OF THE RAISED PLATFORM SHALL BE A SINGLE UNIFORM GRADE ACROSS THE RAISED SECTION UNLESS WHERE PLACED ON A SAG OR CREST, THE GRADES ACROSS THE RAISED SECTION SHALL FOLLOW THE GEOMETRY OF THE EXISTING ROAD.
- THE DESIGNER SHALL ENSURE THAT THE GRADE DIFFERENCE BETWEEN THE ROAD HUMP SIDE SLOPE AND KERB RAMP SLOPE IS NOT LESS THAN 166 DEGREES IN ACCORDANCE WITH AS 1428.1 CLAUSE 7.7.2. REGARDLESS, THE GRADIENT OF THE SIDE SLOPE OF THE ROAD HUMP SHALL BE NO GREATER THAN 1:8 (12.5%).
- WHERE LONGITUDINAL GRADES OF THE EXISTING ROAD EXCEED 3% THE DESIGNER SHALL SEEK APPROVAL FROM THE ROAD AUTHORITY.
- THE CONTRACTOR IS TO SAWCUT AND REMOVE THE EXISTING ASPHALTIC CONCRETE. EXCAVATE THE EXISTING GRAVEL BASE MATERIAL TO SUIT THE CONCRETE DEPTH AND SWEEP AND REMOVE ALL LOOSE MATERIAL UNDER THE NEW RAISED PAVEMENT PLATFORM.
- RAISED PLATFORM TO BE 200mm (MIN) THICK N40 GRADE CONCRETE (100mm ABOVE EXISTING PAVEMENT LEVEL) HIGH EARLY STRENGTH CONCRETE REINFORCED WITH 2 LAYERS OF SL92 MESH WITH 50mm TOP AND BOTTOM COVER. CONCRETE WORKS TO MITS10. CONCRETE SHALL HAVE A HARD STEEL TROWEL BROOM FINISH.
- UNLESS OTHERWISE AGREED WITH THE ROAD AUTHORITY, CONCRETE RAISED PLATFORMS SHALL HAVE A BATCH MIXED 'BRICK RED' COLOUR OXIDE ADDITIVE (OR EQUIVALENT COLOUR) ADDED TO THE CONCRETE MIX AT A RATIO WHICH ACHIEVES A MODERATE TO HIGH AMOUNT OF COLOUR SATURATION. COLOUR OXIDE ADDITIVE TO BE ADDED TO THE MIX IN ACCORDANCE WITH THE SUPPLIER'S REQUIREMENTS. A COLOUR SAMPLE IS TO BE PROVIDED TO THE AUTHORISED PERSON FOR APPROVAL PRIOR TO CONSTRUCTION.
- NO TRAFFIC SHALL BE PERMITTED ONTO CONCRETE WORKS UNTIL A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa HAS BEEN ACHIEVED. CONTRACTOR TO TAKE AIR CURED TEST CYLINDERS IN ACCORDANCE TO MITS10 CLAUSE 1.4.9(B) AND PROVIDE COMPRESSIVE STRENGTH CERTIFICATE(S) PRIOR TO OPENING TO TRAFFIC.
- FOR EXISTING ROADS WHERE THERE IS A LARGE DIFFERENCE IN CROSSFALL BETWEEN THE EDGE OF PAVEMENT AND THE CENTRE OF THE TRAFFIC LANE, THE EXTENT OF PAVEMENT REPLACEMENT SHALL BE EXTENDED TO TRANSITION AND ACHIEVE A MORE CONSISTENT CROSSFALL AT THE LOCATION OF THE ROAD HUMP. TRANSITIONS FROM UNEVEN TO CONSISTENT CROSSFALL SHALL MEET THE SUPERELEVATION RATE OF ROTATION REQUIREMENTS FOR 30km/h.
- FINISHED SURFACE LEVEL TOLERANCE FOR RAISED PLATFORM:
- 0mm ABOVE SPECIFIED LEVEL
- 5mm BELOW SPECIFIED LEVEL
- WHERE THE AUTHORISED PERSON DEEMS BY VISUAL INSPECTION THAT THE RAISED PLATFORM DOES NOT HAVE THE CORRECT FINISHED SURFACE LEVELS, THE AUTHORISED PERSON MAY REQUEST THAT SURVEY BE UNDERTAKEN TO VERIFY FINISHED SURFACE LEVELS COMPLY WITH THE TOLERANCE REQUIREMENTS IN NOTE 12.
- WHERE REQUIRED AND APPROVED BY THE ROAD AUTHORITY INSTALL TACTILE GROUND SURFACE INDICATORS IN ACCORDANCE WITH AS 1428.4 AND MIS05.


ACT
Government

STANDARD DRAWING

CONCRETE RAISED PAVEMENT PLATFORM DETAILS

Authorised: *TR*

Latest Revision Details

1	VARIOUS REVISIONS BASED ON DRG DS9-26	02-06-26
0		19-12-18

Rev	Amendment	Date
Drawing No. ACTSD-3531		Revision 1