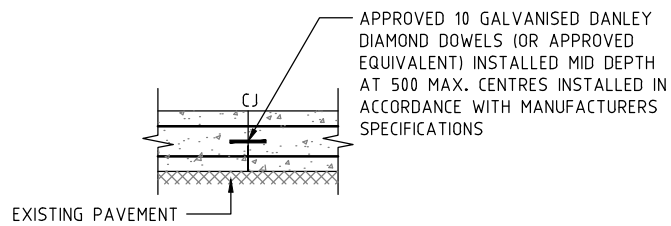
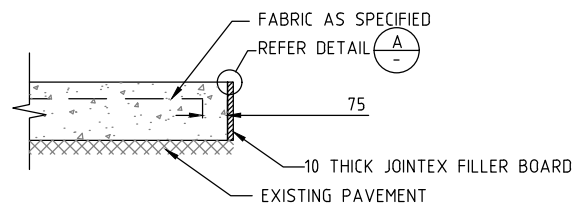


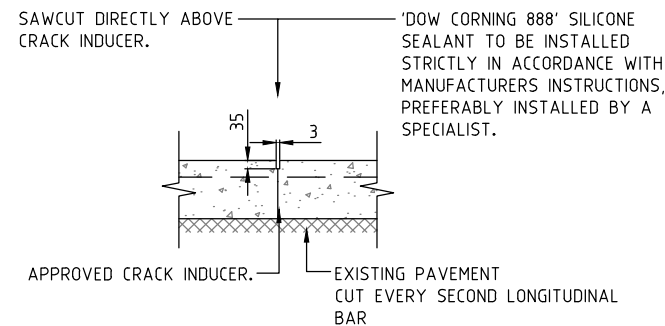
**CONSTRUCTION JOINT DETAIL (CJ) - OPTION A**



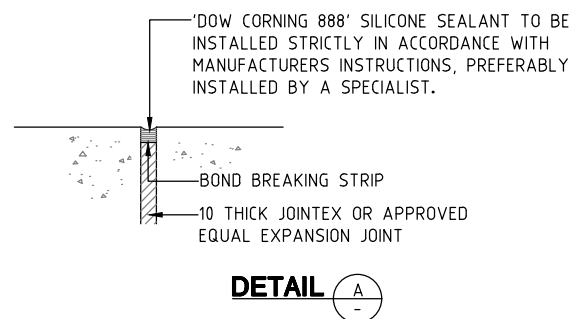
**CONSTRUCTION JOINT DETAIL (CJ) - OPTION B**



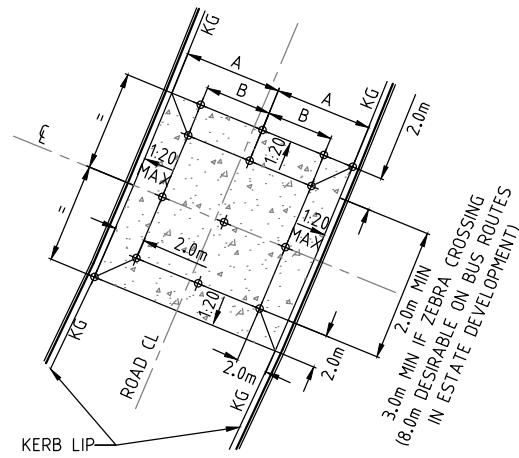
**EXPANSION JOINT DETAIL (EJ)**



**WEAKENED PLANE JOINT DETAIL (WPJ)**

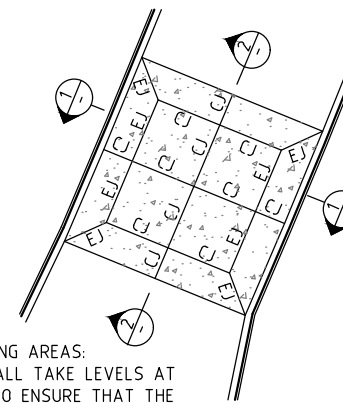


**TYPICAL CONCRETE JOINTS**

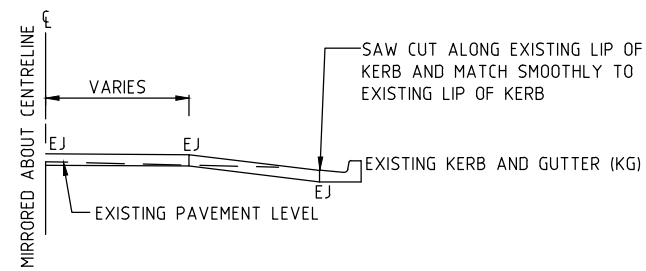


**SETOUT PLAN**

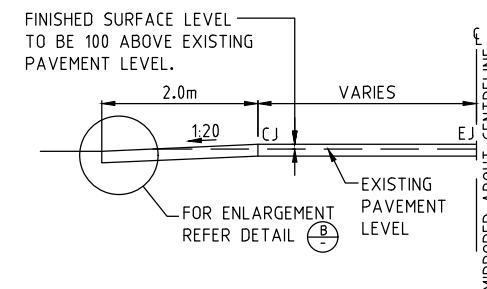
PLATFORMS IN EXISTING AREAS: THE CONTRACTOR SHALL TAKE LEVELS AT THE POINTS SHOWN TO ENSURE THAT THE FINISHED PLATFORM LEVEL IS THE CORRECT HEIGHT IN RELATION TO THE EXISTING PAVEMENT



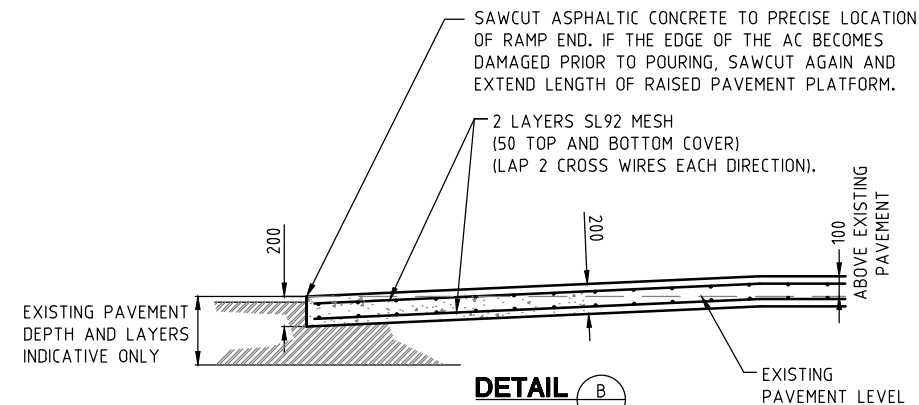
**JOINTING PLAN**



**SECTION 1**



**SECTION 2**



**TYPICAL FLAT TOP SPEED HUMP**

**NOTES**

- 1 PLATFORMS ARE TO BE GRADED TO MATCH CROSS FALLS OF VERTICAL AND HORIZONTAL GEOMETRY.
- 2 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 AND PROVIDE COMPRESSIVE STRENGTH CERTIFICATE(S) PRIOR TO OPENING TO TRAFFIC.
- 3 ON NEW ROADS (UNLESS APPROVED BY THE ROAD AUTHORITY) THE PLATFORM SHALL NOT HAVE SIDE SLOPES SO THAT PEDESTRIANS CAN CROSS THE PLATFORM ON AN EVEN GRADIENT. ADEQUATE STORMWATER DRAINAGE SHALL BE PROVIDED. IN AREAS OF FLUSH KERB PROVIDE BOLLARDS TO PREVENT VEHICULAR ACCESS ONTO THE VERGE.
- 4 FOR PLATFORMS TO BE CONSTRUCTED IN EXISTING ROADS THE DESIGNER SHALL ENSURE THAT THE GRADE DIFFERENCE BETWEEN THE PLATFORM SIDE SLOPE AND KERB RAMP DOES NOT EXCEED THE MAXIMUM GRADE DIFFERENTIAL (REFER AS1428.1)
- 5 THE CONTRACTOR IS TO SAWCUT AND REMOVE THE EXISTING ASPHALTIC CONCRETE TO PRECISE LOCATION. EXCAVATE THE EXISTING GRAVEL BASE MATERIAL TO SUIT THE CONCRETE DEPTH AND RE-COMPACT TO 100% MAXIMUM MODIFIED DRY DENSITY ALL AREAS UNDER THE NEW RAISED PAVEMENT PLATFORMS.
- 6 EXISTING HYDRAULIC SERVICES HAVE NOT BEEN PLOTTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK. CLEARANCES SHALL BE OBTAINED BY THE CONTRACTOR FROM THE RELEVANT SERVICE AUTHORITY.
- 7 THE GRADES SHOWN ARE BASED ON A ROAD THAT HAS A LONGITUDINAL GRADIENT AND CROSSFALL OF 0%. PLATFORM RAMP GRADES WILL VARY DEPENDING ON THE EXISTING PAVEMENT GRADES AND CROSSFALLS (REFER AS1742.13 APPENDIX C AND AUSTRROADS GTM PART 8) APPROVAL FROM THE ROAD AUTHORITY SHALL BE SOUGHT WHERE GRADES EXCEED THE AUSTRALIAN STD REQUIREMENT.
- 8 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 SHALL BE BATCH MIXED WITH 'BRICK RED' OXIDE WITH HARD STEEL TROWEL BROOM FINISH IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- 9 WHERE APPROVED BY THE ROAD AUTHORITY INSTALL TACTILE GROUND SURFACE INDICATORS IN ACCORDANCE WITH AS1428.4 AND MIS05 SECTION 5 MIS05.
- 10 ALL DIMENSIONS SHOWN ARE IN mm UNLESS SHOWN OTHERWISE
- 11 FOR RAISED PAVEMENT PLATFORM LAYOUT DETAILS REFER ACTSD-3532.
- 12 REFER MIS05 FOR VERTICAL DEFLECTION DEVICES.



**CONCRETE RAISED PAVEMENT PLATFORM DETAILS**

Authorised: *[Signature]*

Latest Revision Details

0	BASED ON DRG DS9-26	19-12-18
Rev	Amendment	Date
Drawing No. ACTSD-3531		Revision 0