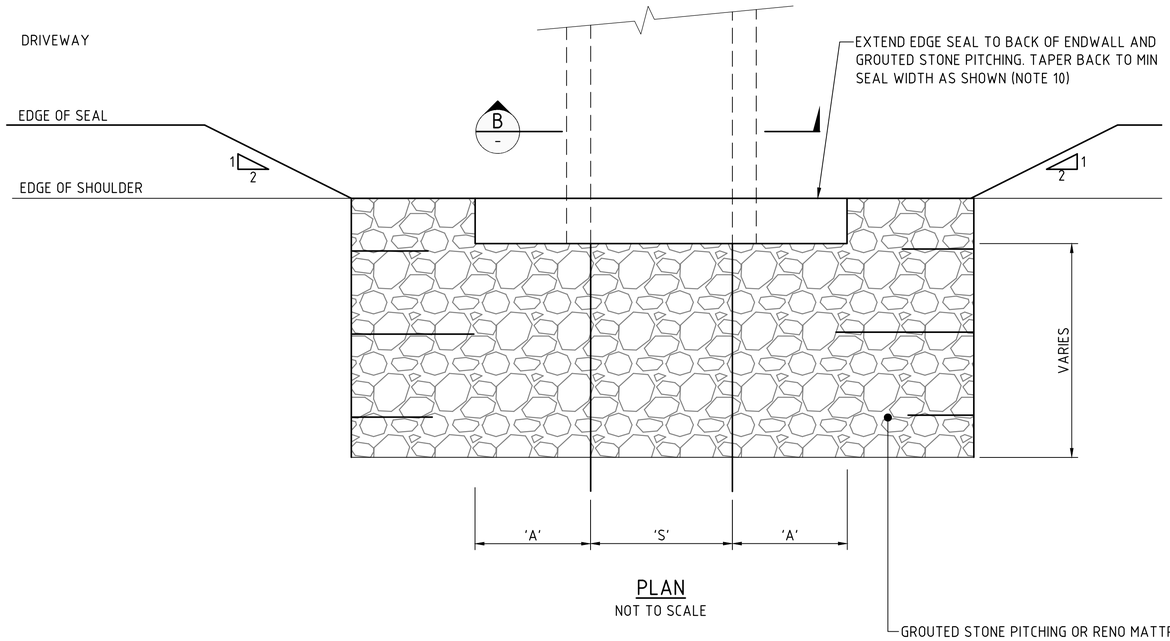

PLAN
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GENERAL NOTES:

1. ALL WORK MUST COMPLY WITH THE STANDARD SPECIFICATION FOR SUBDIVISIONS ALONG WITH PROJECT SPECIFIC AMENDMENTS.
2. ALL DIMENSIONS IN MILLIMETERS (mm) UNLESS NOTED OTHERWISE.
3. R.C.B.C SIZE AND EXTENT OF PROTECTION WORKS MUST BE APPROVED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF WORKS. PROTECTION SHOULD BE EXTENDED OVER AREAS WHERE THE BATTER SLOPE EXCEEDS 1:4.
4. FOR MULTIPLE BOXES THE SPACING BETWEEN BOXES MUST BE 40mm MINIMUM AND INFILLED BY PLACING N32/20 CONCRETE PLUGS OF 250mm MINIMUM LENGTH AT BOTH ENDS OF THE STRUCTURE, AND INFILLING THE REMAINING GAP WITH 1:10 LEAN MIX HAVING MAXIMUM AGGREGATE SIZE OF 10mm PACKED DRY.
5. CONCRETE TO BE MINIMUM N32/20/80 UNO. CONCRETE DESIGN IS TYPICALLY BASED ON B1 EXPOSURE CLASSIFICATION, WITH MINIMUM REQUIRED COVER TO REINFORCEMENT OF 40mm IN ACCORDANCE WITH AS3600.

   FOR OTHER EXPOSURE CLASSIFICATIONS, COMPLY WITH AS3600 AND THE FOLLOWING MINIMUM STRENGTH AND COVER REQUIREMENTS:

EXPOSURE CLASSIFICATION	CHARACTERISTIC STRENGTH (MPa)	REQUIRED COVER (mm)
A1, A2	N25/20/80	30mm
B1	N32/20/80	40mm
B2	N40/20/80	45mm
C1	N50/20/80	50mm
C2	N50/20/80	65mm

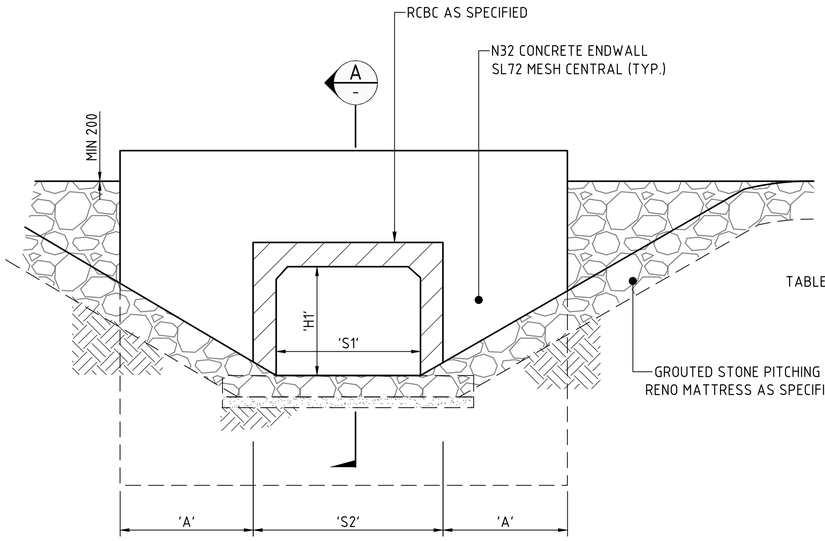
TABLE NOTE: EXPOSURE CLASSIFICATIONS B2, C1 AND C2 MAY TRIGGER INCREASED CONCRETE THICKNESSES TO ACHIEVE MINIMUM COVER REQUIREMENTS.

6. ALL CONCRETE WORKS MUST COMPLY WITH AS1379 AND AS3600. ALL EXPOSED EDGES TO BE PROVIDED WITH 20mm CHAMFERS
7. ALL REINFORCING MUST COMPLY WITH AS1304 AND AS4671.
8. RL1118 MESH LONGITUDINAL BARS IN CULVERT SLABS MUST BE LAID IN DIRECTION OF TRAFFIC.
9. CONCRETE FLOOR SLAB TO EXTEND MIN 100mm PAST R.C.B.C OUTER WALLS.
10. ON DRIVEWAYS, STONE PITCHING MUST MATCH WITH THE BITUMINOUS SURFACE. NO GAP BETWEEN THE SURFACE OF THE DRIVEWAY AND HEADWALL PROTECTION WILL BE ACCEPTED.
11. MIN CULVERT HEIGHT 450MM UNLESS OTHERWISE AGREED WITH THE RELEVANT AUTHORITY.
12. FOR CULVERTS EXCEEDING A HEIGHT OF 600mm, REFER TO DIPL STANDARD DRAWINGS FOR DETAILS. CONSIDER NEED FOR BARRIERS/EDGE TREATMENTS.
13. DRIVEWAY ENDWALLS MUST BE LOCATED OUTSIDE OF CLEAR ZONES.
14. SAND OR FCR BEDDING MAY BE OMITTED FOR CATEGORY B AND C INFRASTRUCTURE LOCALITIES.

TABLE OF DIMENSIONS

BOX CULVERT SIZE	'S1'	'H1'	'S2'	'H2'	'A'
450x450	451	457	611	552	450
600x450	606	457	766	572	690
750x450	756	457	948	582	710
750x600	756	610	948	735	940
900x450	908	457	1100	582	710
900x600	908	610	1100	735	940
1200x450	1212	457	1404	582	730
1200x600	1212	610	1404	735	960

TABLE NOTE: DIMENSIONS SHOWN ARE NOMINAL ONLY AND BASED ON A B2 EXPOSURE CLASSIFICATION. EXACT CULVERT DIMENSIONS, INCLUDING WALL THICKNESS AND CROWN THICKNESS, WILL VARY DEPENDING ON EXPOSURE CLASSIFICATION, LOADING, AND MANUFACTURER'S SPECIFICATIONS.



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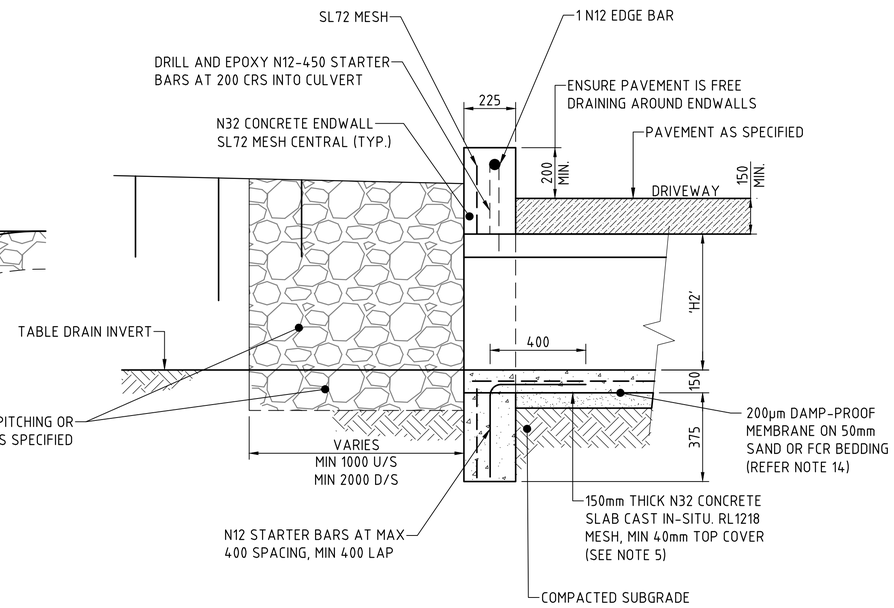

SECTION A
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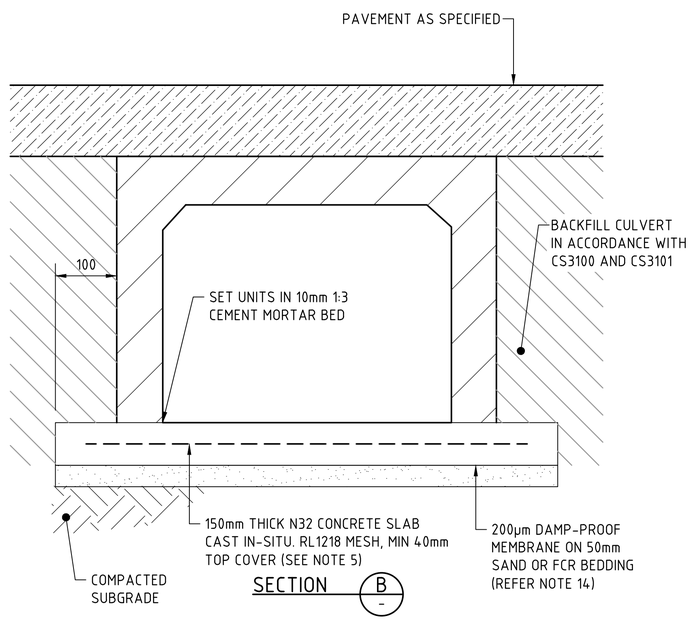

SECTION B
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No.	AMENDMENT DESCRIPTION	DATE	INIT.	DEPT/COMPANY
1	RE-ISSUED AS A STANDARD DRAWING	APR 23	KS	BYRNE
0	ISSUED AS A STANDARD DRAWING	AUG 20	KS	BYRNE

Drawn: KS, Date: AUGUST 2020	Checked: PB, Date: AUGUST 2020		
Designed: PB, Date: AUGUST 2020	Checked: SPB, Date: AUGUST 2020		
Design Project Leader: SPB, Date: AUGUST 2020	NTG Project Manager: N/A, Date: AUGUST 2020		

Northern Territory Government

SUBDIVISION DEVELOPMENT GUIDELINES STANDARD DRAWINGS
STORMWATER DRAINAGE

ACCESS CULVERT TYPICAL ENDWALL DETAILS

NTG Project No.	NTG Asset No.	Sheet Reference	NTG Drawing No.	Amendment	
-	-	1 OF 1	SS3008	1	A1

Version: March 2021