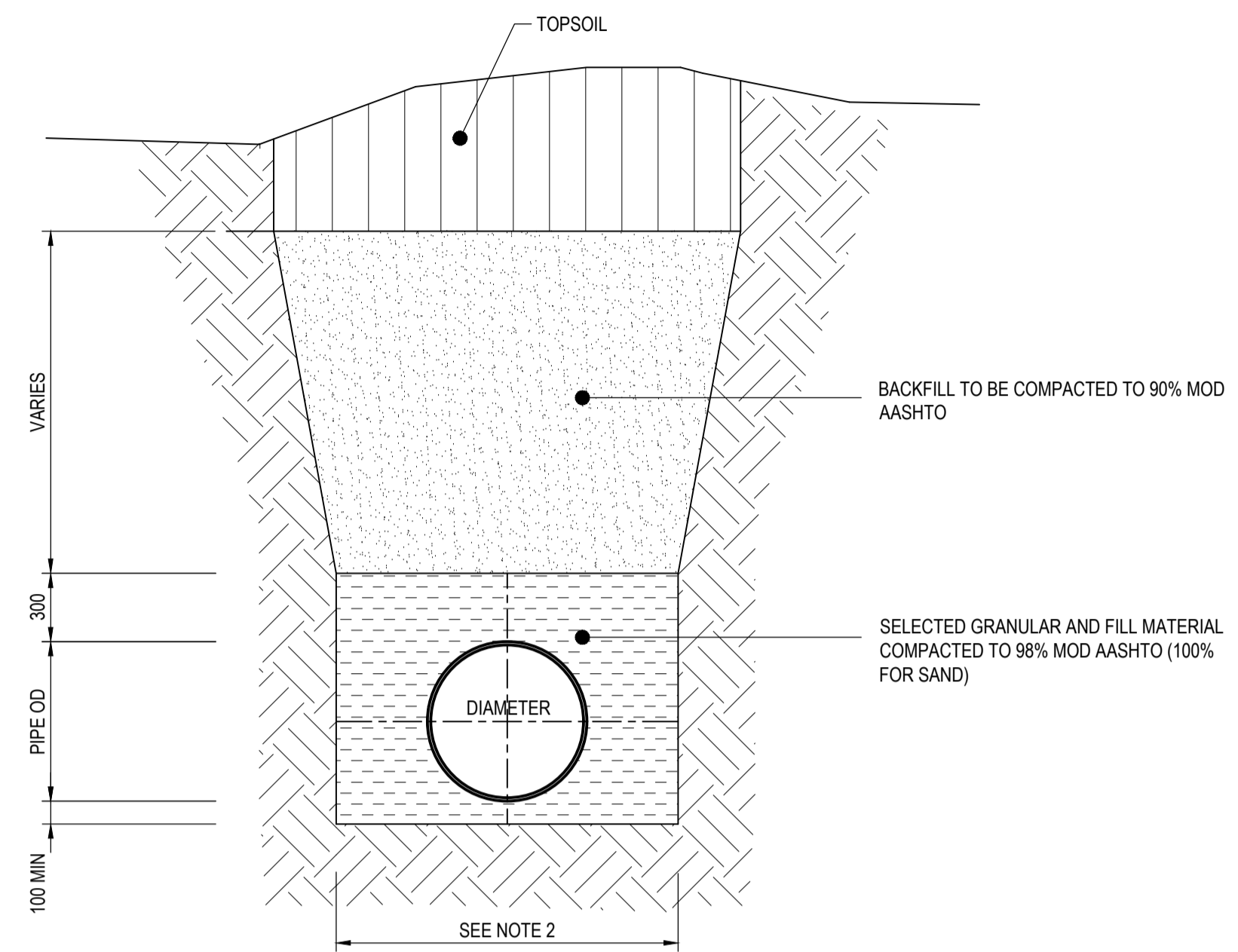
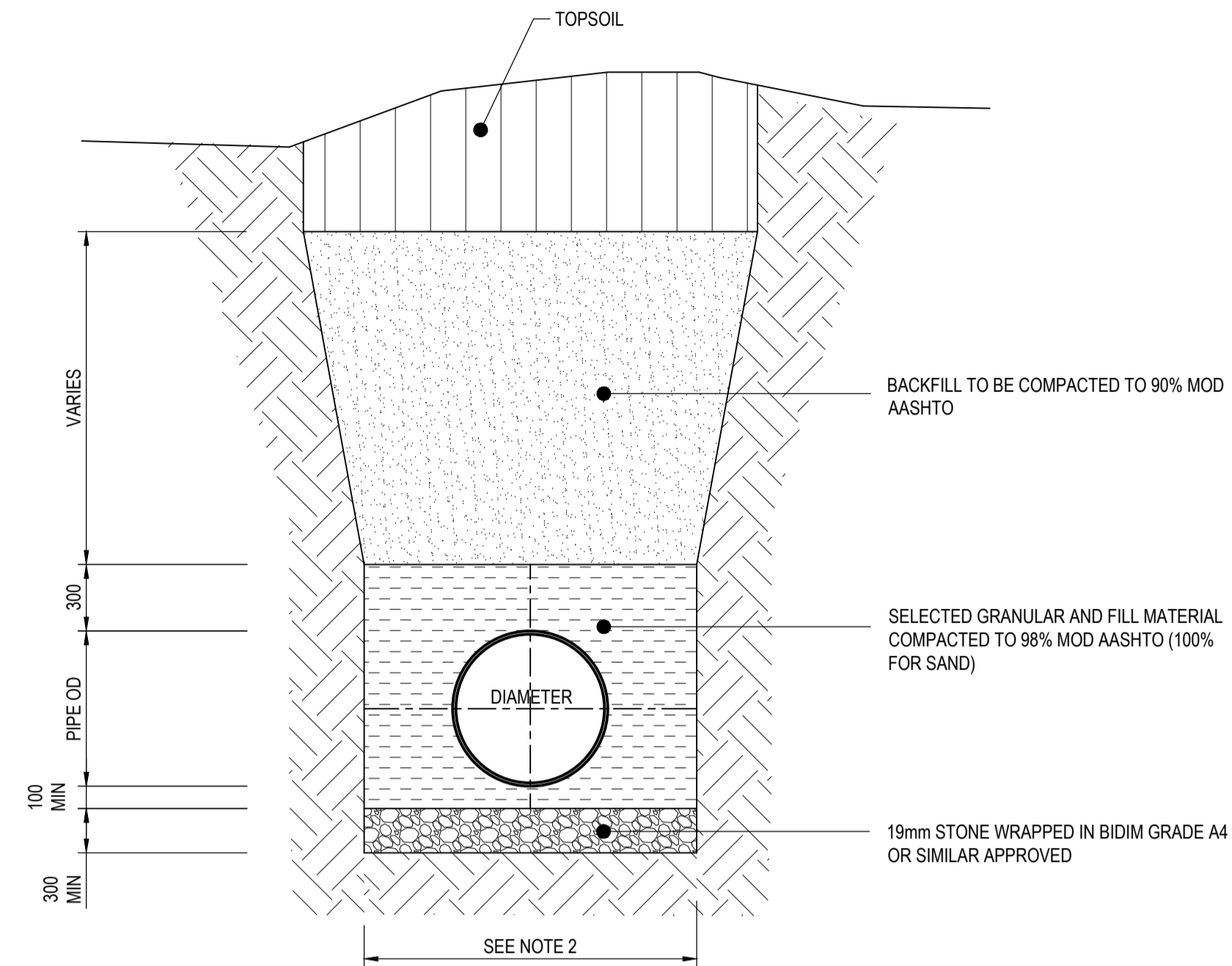


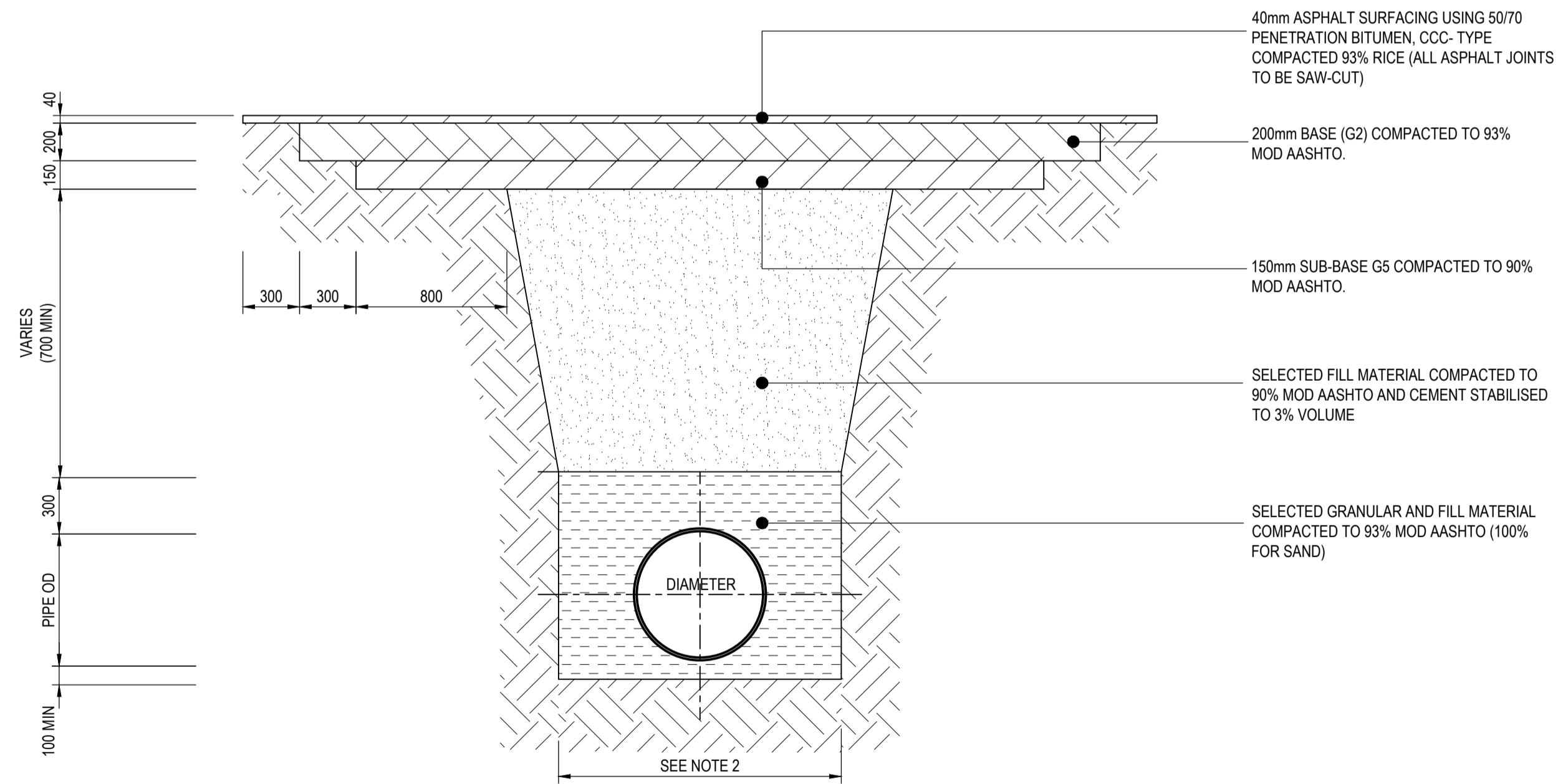
<p>ZUTARI IMPACT. ENGINEERED.</p>	CLIENT	DISCLAIMER	REV	DATE	REVISION DETAILS	APPROVED	SCALE	SIZE	PRELIMINARY	PROJECT						
		IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER	A	14/03/2023	ISSUED FOR INFORMATION	C. VAN PLETZEN	1:2000	A1	NOT FOR CONSTRUCTION	CoCT WP5.1: TREATED EFFLUENT PIPELINE EXTENSIONS						
									DATE	TITLE						
									14/03/2023	PROPOSED 200 & 315mm DIA HDPE PIPELINE ALONG R27						
										DRAWING No.	PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
										1001435	1001435	WP5.1	DRG	CC	001	A



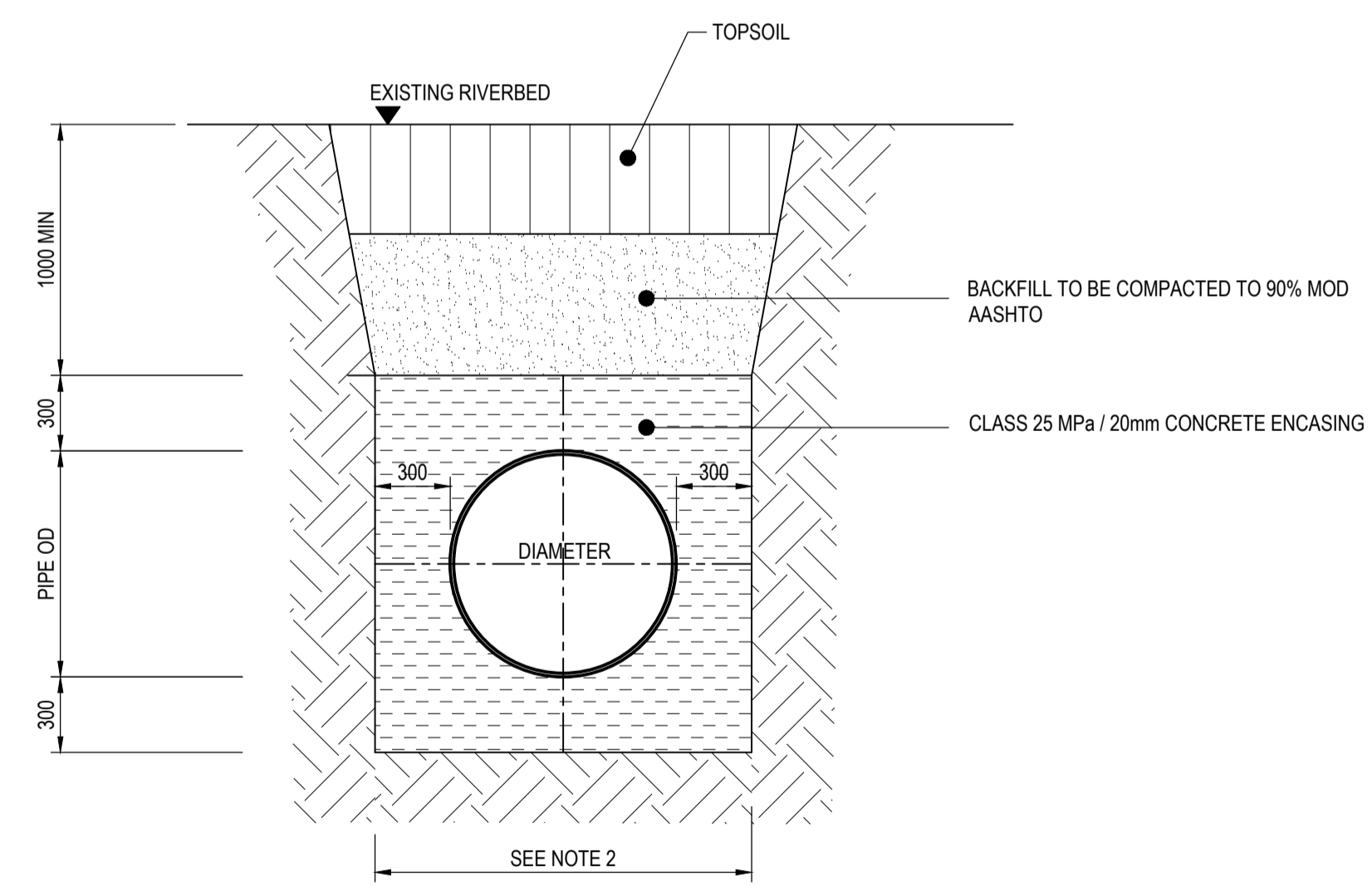
A. TYPICAL SECTION THROUGH TRENCH IN DRY LOCATIONS.



B. TYPICAL SECTION THROUGH TRENCH IN WET LOCATIONS.



C. TYPICAL SECTION THROUGH TRENCH BELOW SURFACED ROADS.



D. TYPICAL SECTION THROUGH TRENCH AT RIVER CROSSINGS.

NOTES

1. THE CONTRACTOR MUST ENSURE THAT TRENCHES ARE EXCAVATED WITH SAFE SLOPES AS REQUIRED IN THE OHS ACT.
2. TRENCH WIDTHS AS ACCORDING TO SANS 1200 DB AND AMENDMENTS
3. PREMIX LAYER MUST BE CUT WITH AN ASPHALT-CUTTER BEFORE COMMENCING WITH THE BREAKING UP OF THE EXISTING LAYERS & AGAIN BEFORE THE COMMENCEMENT OF THE REINSTATEMENT.
4. TACK-COAT (60% STABLE GRADE EMULSION) MUST BE APPLIED @ 0.55l/m² ON THE 300mm THICK CEMENT STABILIZED SUB-BASE (C2) PRIOR TO PLACING THE BTB & AGAIN ON THE 80mm BTB LAYER BEFORE PLACE THE 40MM 50/70, CCC-TYPE ASPHALT SURFACING.
5. ALL "COLD" JOINTS WITH EXIST MUST BE PROPERLY VIA PR COLA-SEALED (BRUSHED, UNDILUTED @ 0.7l/m² , WITH A MINIMUM WIDTH OF 100mm) TO PREVENT THE INGRESS OF WATER.

CLIENT			
REV	DATE	REVISION DETAILS	APPROVED
SCALE AS SHOWN		SIZE A1	
DRAWN		APPROVED	DATE
DESIGNED			
CHECKED			
PROJECT			
TITLE			
TYPICAL TRENCH DETAILS FOR FLEXIBLE PIPES			
DRAWING NUMBER			
PROJECT No.	WBS	TYPE	DISC
NUMBER	REV		