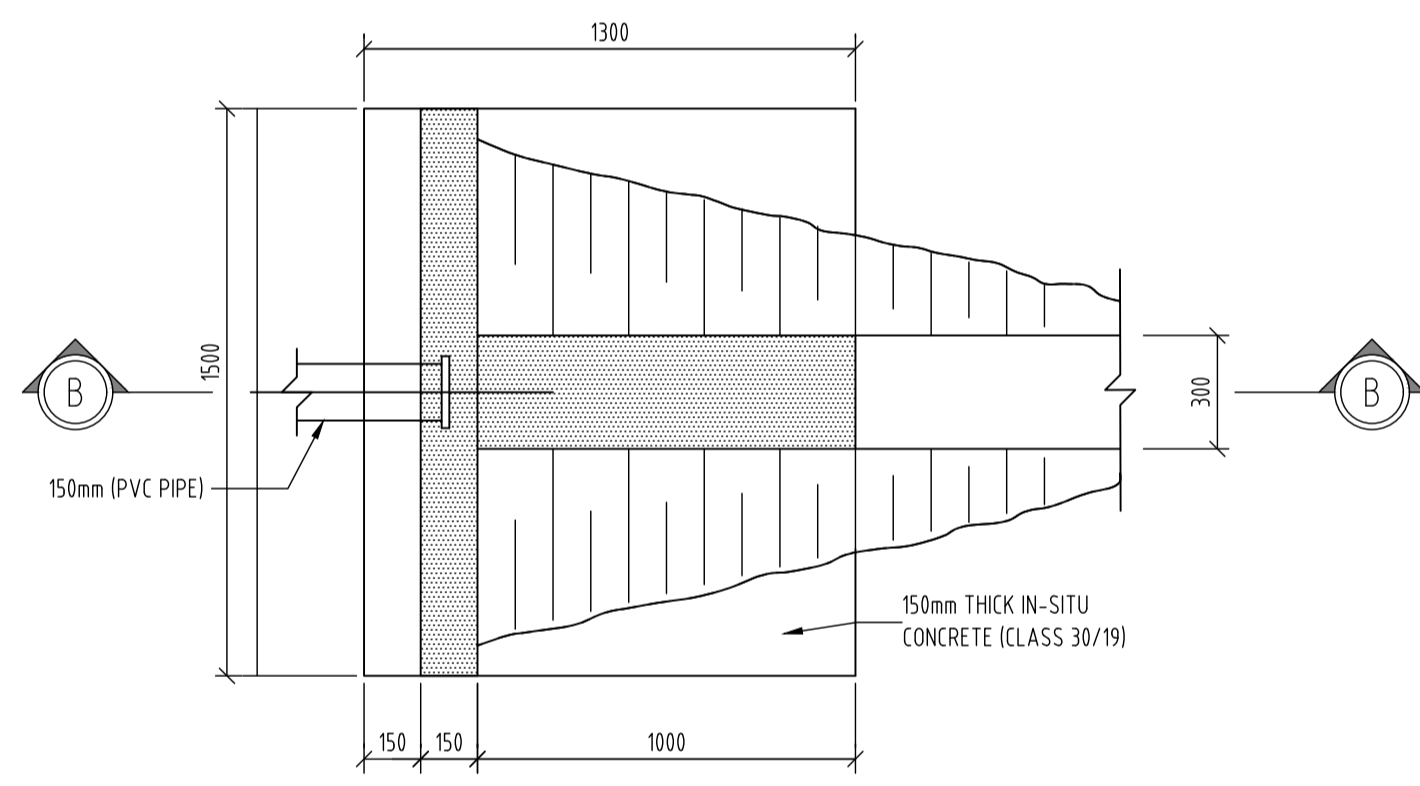


TYPE "A" SUB-SURFACE DRAIN
(SHALLOW CUT CONDITIONS)
(Scale - 1:20)

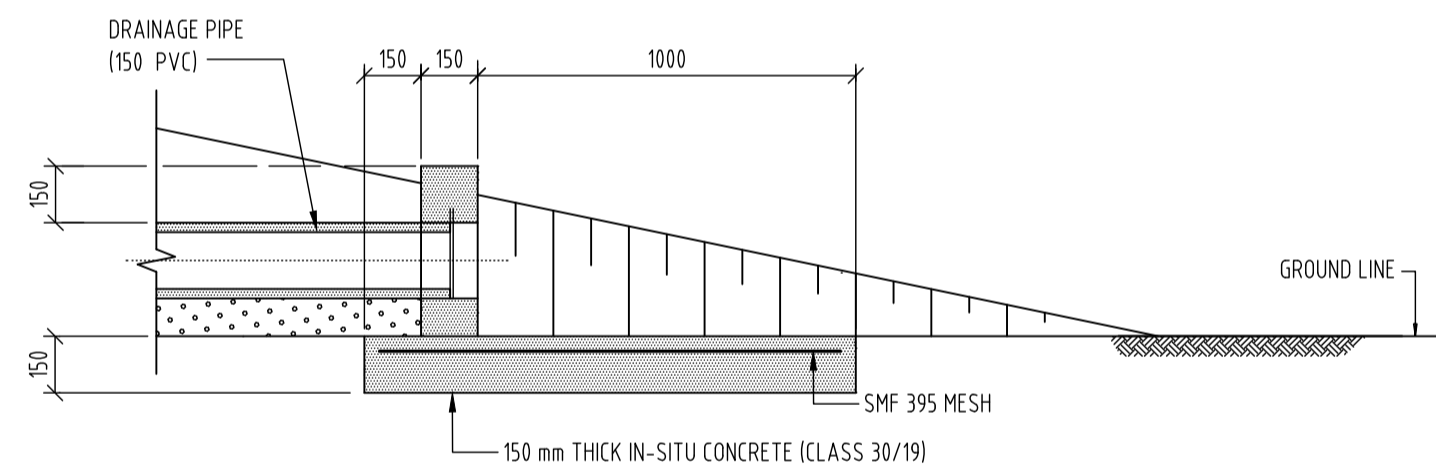
NOTE:
DESIGNS 1 AND 2 CAN BE EXCHANGED
WHEN INSTRUCTED BY THE ENGINEER

GRADING REQUIREMENTS OF CRUSHED STONE	
CRUSHED STONE SHALL BE GRADED CRUSHED STONE, WHICH CONFORMS TO THE FOLLOWING REQUIREMENTS:	
PERCENTAGE PASSING THROUGH A -	
26,6mm SIEVE	100
13,2mm SIEVE	60-85
FINE GRADE STONE: A MINIMUM OF 15% PASSING THROUGH A 3,35mm SIEVE. A MAXIMUM OF 15% PASSING THROUGH A 1,18mm SIEVE.	
COARSE GRADE STONE: A MINIMUM OF 15% PASSING THROUGH A 6,70mm SIEVE. A MAXIMUM OF 15% PASSING THROUGH A 2,36mm SIEVE.	
IN THE CASE OF ANY CRUSHED STONE GROUND LINE NOT MORE THAN 5% OF THE MATERIAL SHALL PASS THROUGH THE 0,075mm SIEVE.	

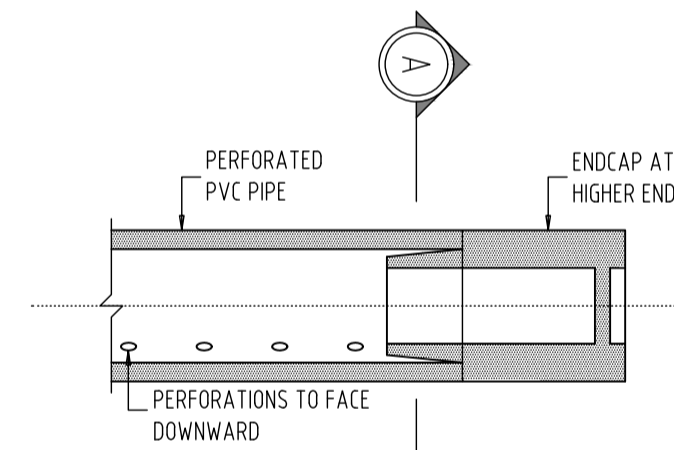
LEGEND	
	TOPSOIL
	NATURAL PERMEABLE SAND FROM EITHER APPROVED SOURCES ON SITE OR COMMERCIAL
	GRADED CRUSHED STONE



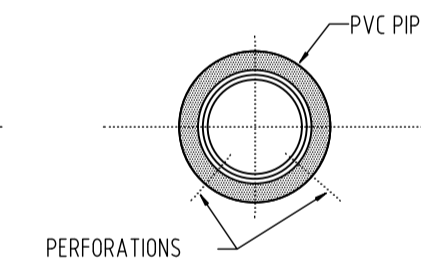
DETAIL OF OUTLET STRUCTURE
(Scale - 1:20)



SECTION B-B OF OUTLET STRUCTURE
(Scale - 1:20)



ENDCAP DETAIL
(SCALE- SCHEMATIC)



SECTION A-A OF ENDCAP DETAIL
(SCALE- SCHEMATIC)

No	DATE	DESCRIPTION	BY
A	15-08-2019		S.M.N

FOR PRELIMINARY

DESIGNED BY	SM NXUMALO (Pr. Technician)
CHECKED BY	LG NGCOBO (Pr. Technologist)
DRAWN BY	F BALOYI (Candidate Technician)
CHECKED BY	SM NXUMALO (Pr. Technician)

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CLIENT	DATE
CONSULTING ENGINEER	DATE

PLM 00/2019
UPGRADING OF P43/3 ROAD
Ga-SELWANA ACCESS ROAD
STANDARD DETAILS
SUBSURFACE DRAIN

For Approval	20 / /
For Client	20 / /
For Consulting Engineer	20 / /
CONSULTANTS DRAWING NUMBER	HCE 000/2019/001

SHEET	23	OF	37
AS SCALE			
AS SHOWN			
CLIENT DRAWING NUMBER		PLM 000/2019/001	