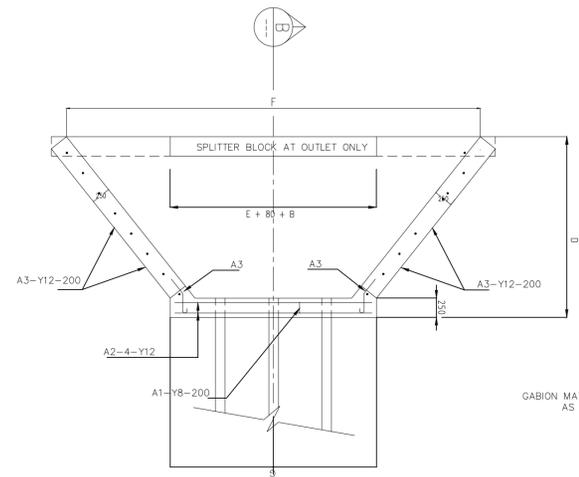


TABLE 1

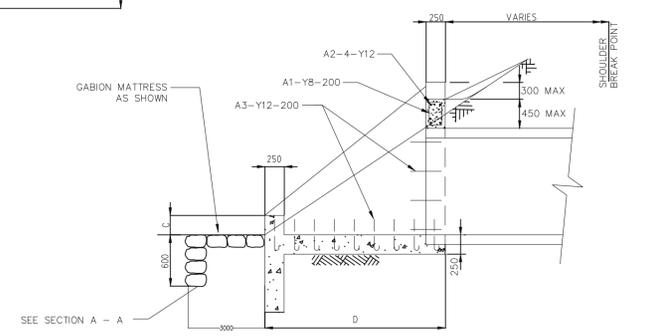
NOMINAL SPAN	NOMINAL HEIGHT	DIMENSIONS				
B	H	C	D	E	F	G
1200	1200	880	1760	2040	4070	2040
1500	1200	900	1800	2700	4780	2700
1800	1500	1080	2160	2700	5190	2700
• 2400	1800	-	-	-	-	-
• 2400	2400	-	-	-	-	-

TABLE 2

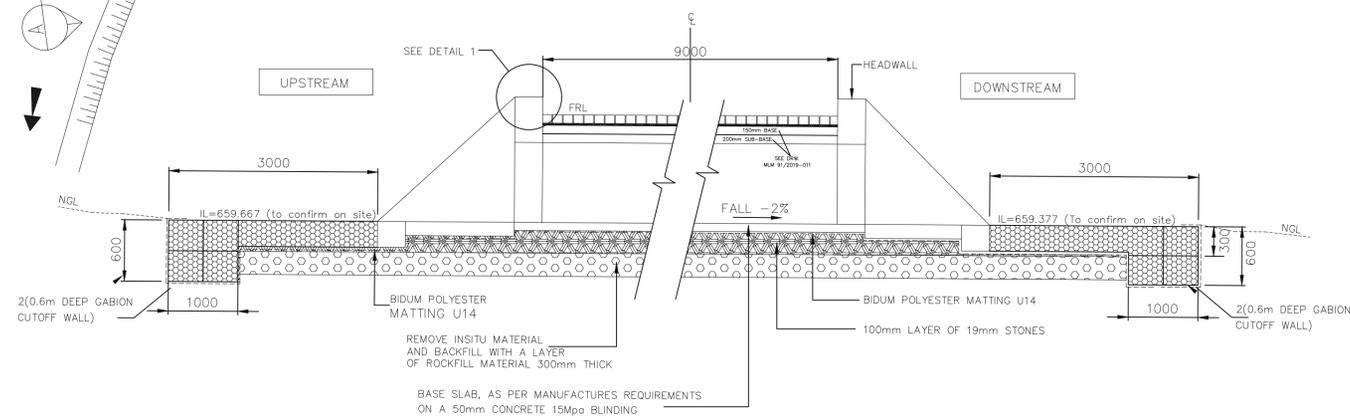
ITEM	NUMBER	DIAMETER	CUT LENGTH	CODE	SHAPE
A1	VARIES	Y8	600	60	150 x 110
A2	4	Y12	VARIES	20	STRAIGHT
A3	VARIES	Y12	500	32	



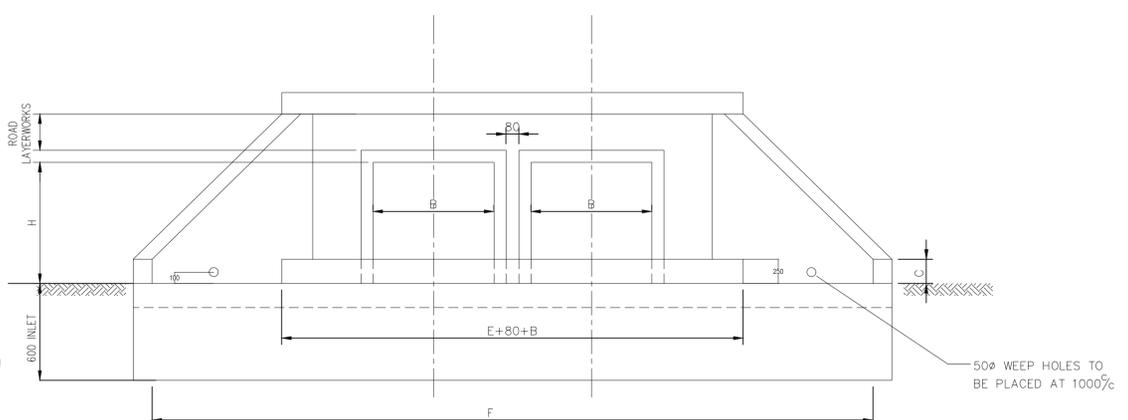
DETAIL 2
REINFORCEMENT DETAILS
(FOR REINFORCEMENT SEE TABLE 2)
SCALE 1:20



SECTION B-B
(FOR REINFORCEMENT SEE TABLE 2)



SECTION A-A



DOWNSTREAM ELEVATION - DOUBLE BOX CULVERTS
(FOR DIMENSIONS SEE TABLE 1)

- NOTES: -
- INLET/OUTLET APPROACHES IN FILL CONDITION TO BE GABION WALL PITCHED
 - SPLITTER BLOCK MAY BE OMITTED IF DISCHARGE VELOCITY IS LESS THAN 1.5m/s AND PROVIDED AT OUTLETS ONLY.
 - CUT OFF WALLS MAY BE OMITTED IF STRUCTURE IS FOUNDED ON ROCK.
 - FOR MULTIPLE BOX CULVERTS INCREASE DIMENSIONS "E" AND "F" BY $(n-1)(B+80)$ mm WHERE n = NUMBER OF UNITS WHERE B = NOMINAL SPAN OF BOX CULVERT
 - H - IS THE STD BOX CULVERT HEIGHT.
 - ALL CONCRETE TO BE 20MPa. MIN COVER TO STEEL IS 40mm.
 - SQUARE MESH FABRIC (REFERENCE S.M.F. 395) TO BE PLACED CENTRALLY IN ALL APRON SLABS.
 - DIMENSIONS IN TABLE 1 ARE AS PER MANUFACTURING STANDARD OF RECTANGULAR PORTAL CULVERTS TYPE RECTANGULAR (RP) SABS CLASS "S" AND EQUIVALENT.

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AS-BUILT RECORD

CONTRACT No.	DESCRIPTION	CERTIFIED BY	DATE

CERTIFIED AS-BUILT FOR CONTRACT : _____

ENGINEER _____ DATE _____

VERSION/AMENDMENTS

No.	DATE	DESCRIPTION	AUTHORISED BY
01	31 MAR 21	ISSUED FOR CONSTRUCTION	L. MASHELE

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PROJECT TITLE:
UPGRADING SILINDA ROAD VIA CHAKAZA SCHOOL
(WARD 36)

DRAWING TITLE:
RECTANGULAR PORTAL CULVERT, SHEET 1 OF 1

CITY OF MBOMBELA MUNICIPALITY
P O Box 45,
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1200
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ORIGINAL DRAWING SCALE: AS SHOWN
ORIGINAL DRAWING SHEET SIZE: A1

APPROVED: _____
CLIENT OR ASSIGNEE: _____ DATE: _____
CLIENT DRAWING No.: MLM 213/2020 - STW 006
CLIENT REF No.: MLM 213/2020 - STW 006

DRAWN	F. MURWIRA	CHECKED	T. VUNDLA
DESIGNED	F. MURWIRA	APPROVED	L. MASHELE
CO-ORDINATE SYSTEM:	WGS84	Pr. Eng No:	2018300248
APPROVED ON BEHALF OF HOXANA CONSULTING ENGINEERS:			
ENGINEER'S SIGNATURE: _____		DATE: _____	
DRAWING No.: MLM 213/2020 - STW 006		VERSION: 00	