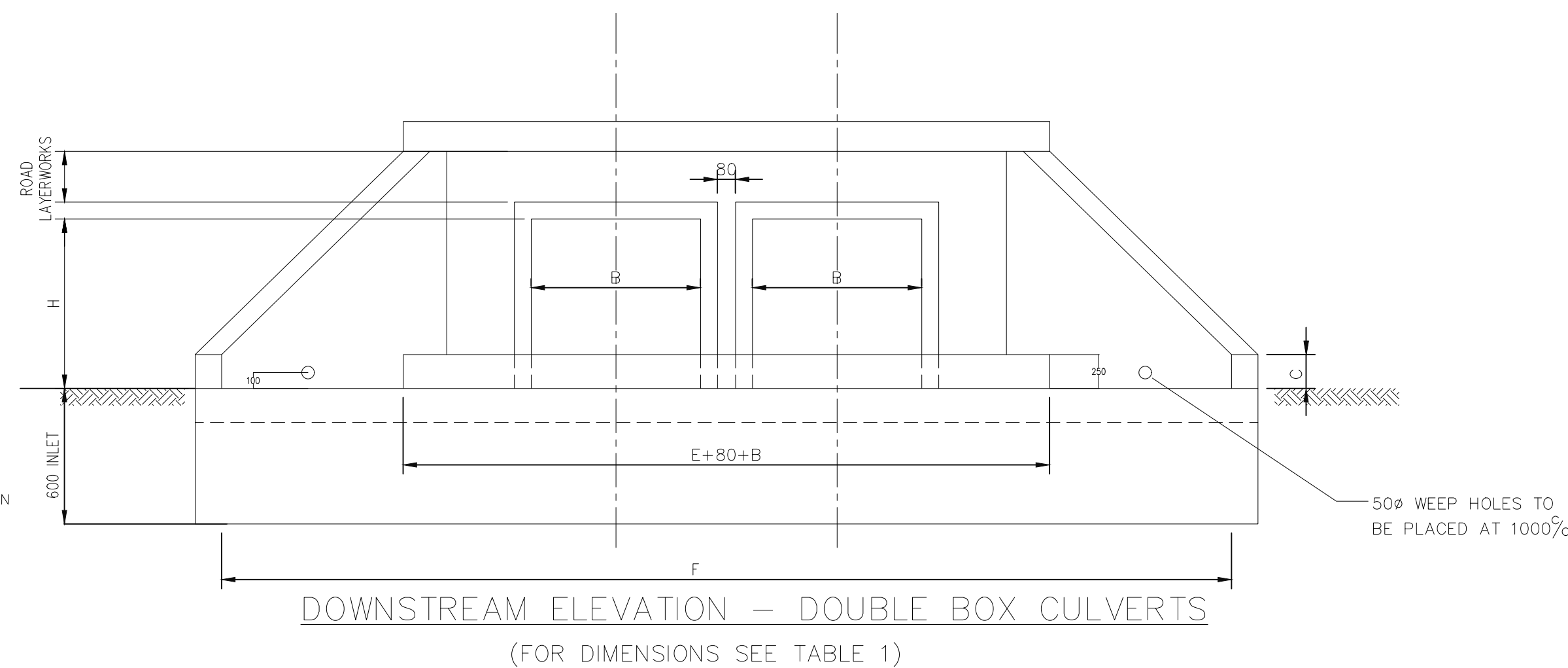
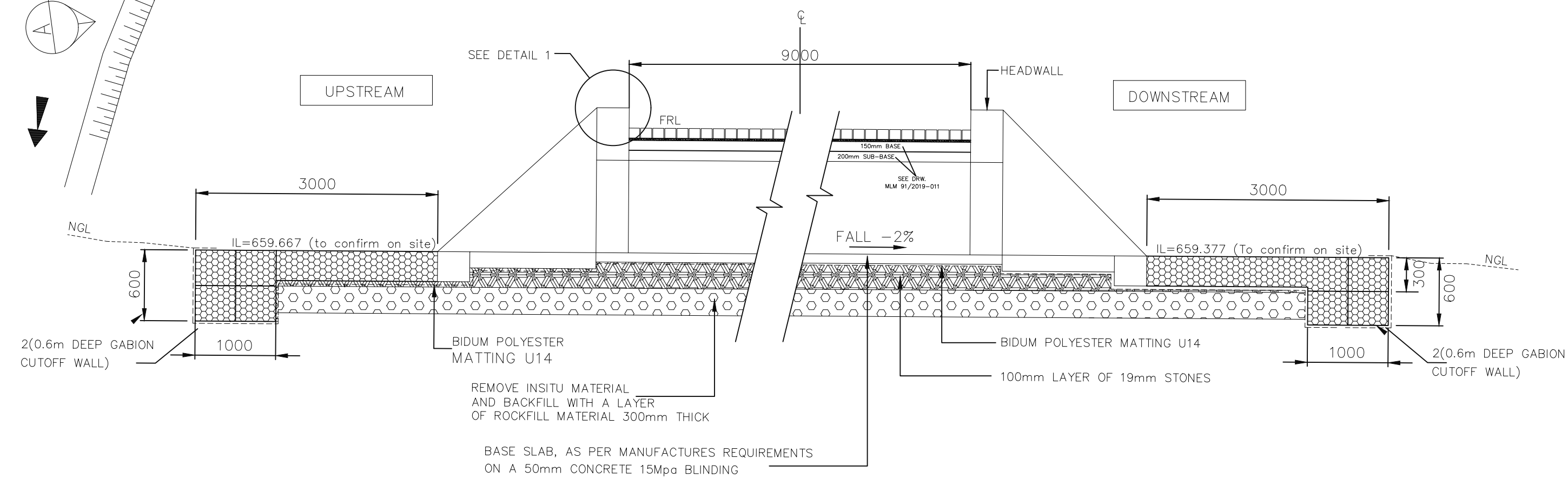
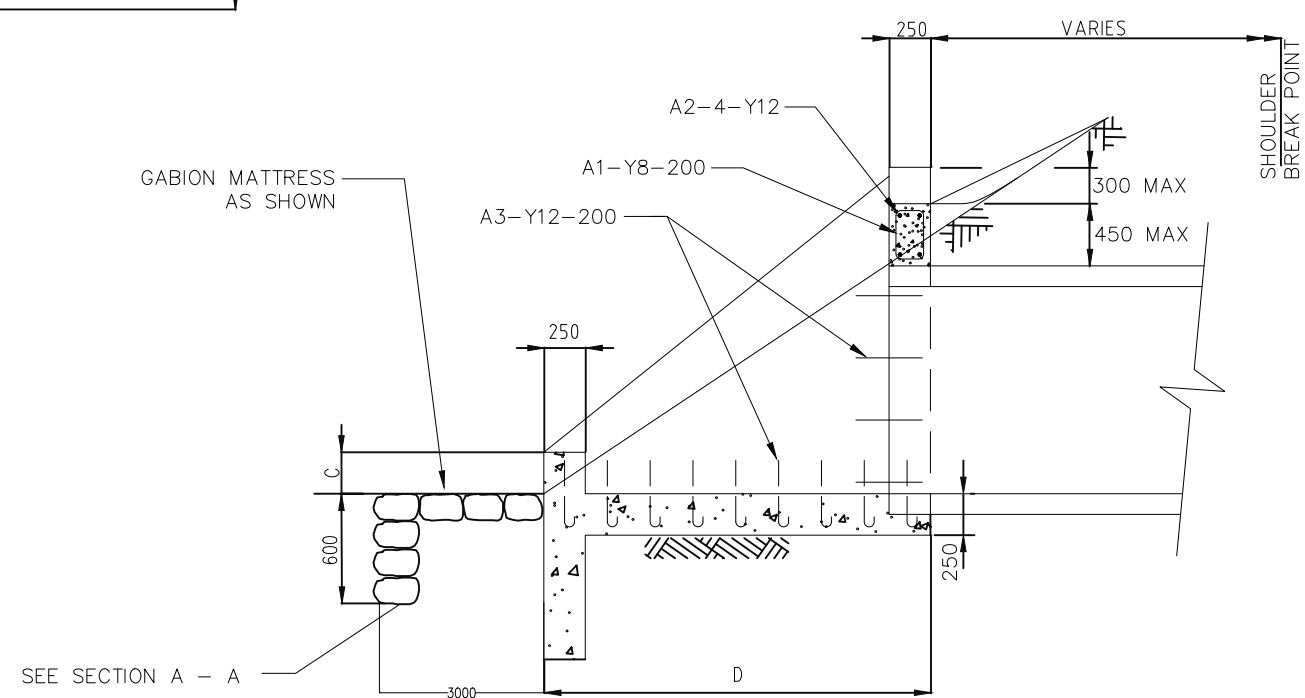
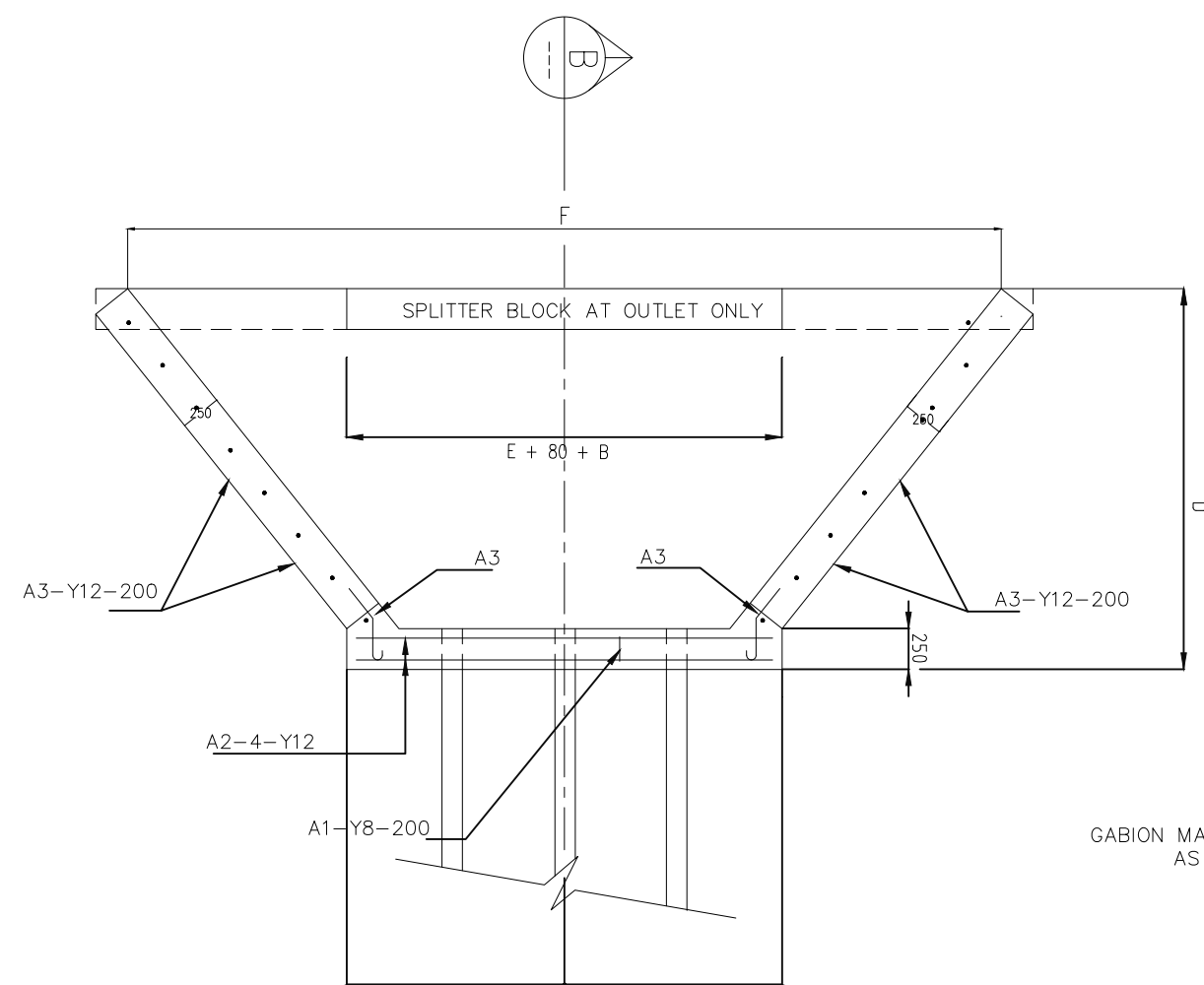
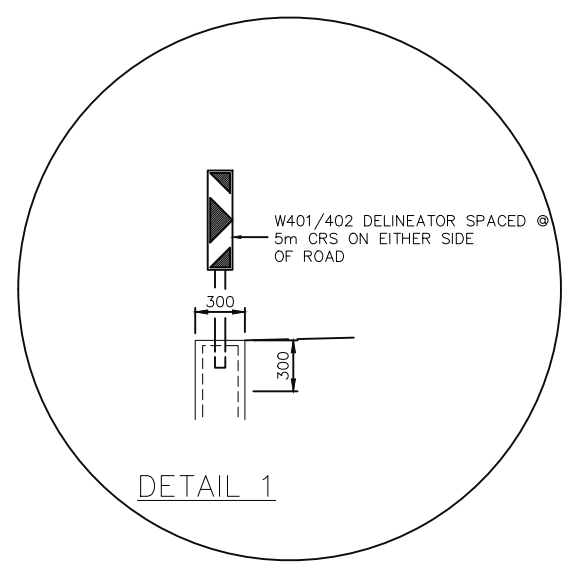


TABLE 1

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°
A2	4	Y12	VARIES	20	STRAIGHT
A3	VARIES	Y12	500	32	



NOTES: -

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

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AS-BUILT RECORD

CONTRACT No.	DESCRIPTION	CERTIFIED BY	DATE

VERSION/AMENDMENTS

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

HOXANA CONSULTING ENGINEERS
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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
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1200

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0 50 100
100mm ON ORIGINAL DRAWING

ORIGINAL DRAWING SCALE: AS SHOWN	ORIGINAL DRAWING SHEET SIZE: A1
APPROVED:	APPROVED ON BEHALF OF HOXANA CONSULTING ENGINEERS:
CLIENT OR ASSIGNEE: _____ DATE: _____	ENGINEER'S SIGNATURE: _____ DATE: _____
CLIENT DRAWING No.: MLM 213/2020 - STW 006	CLIENT REF No.: MLM 213/2020 - STW 006
DRAWING No.: MLM 213/2020 - STW 006	VERSION: 00

DRAWN F. MURWIRA	CHECKED T. VUNDLA
DESIGNED F. MURWIRA	APPROVED L. MASHELE
CO-ORDINATE SYSTEM: WGS84	Pr. Eng No: 2018300248