

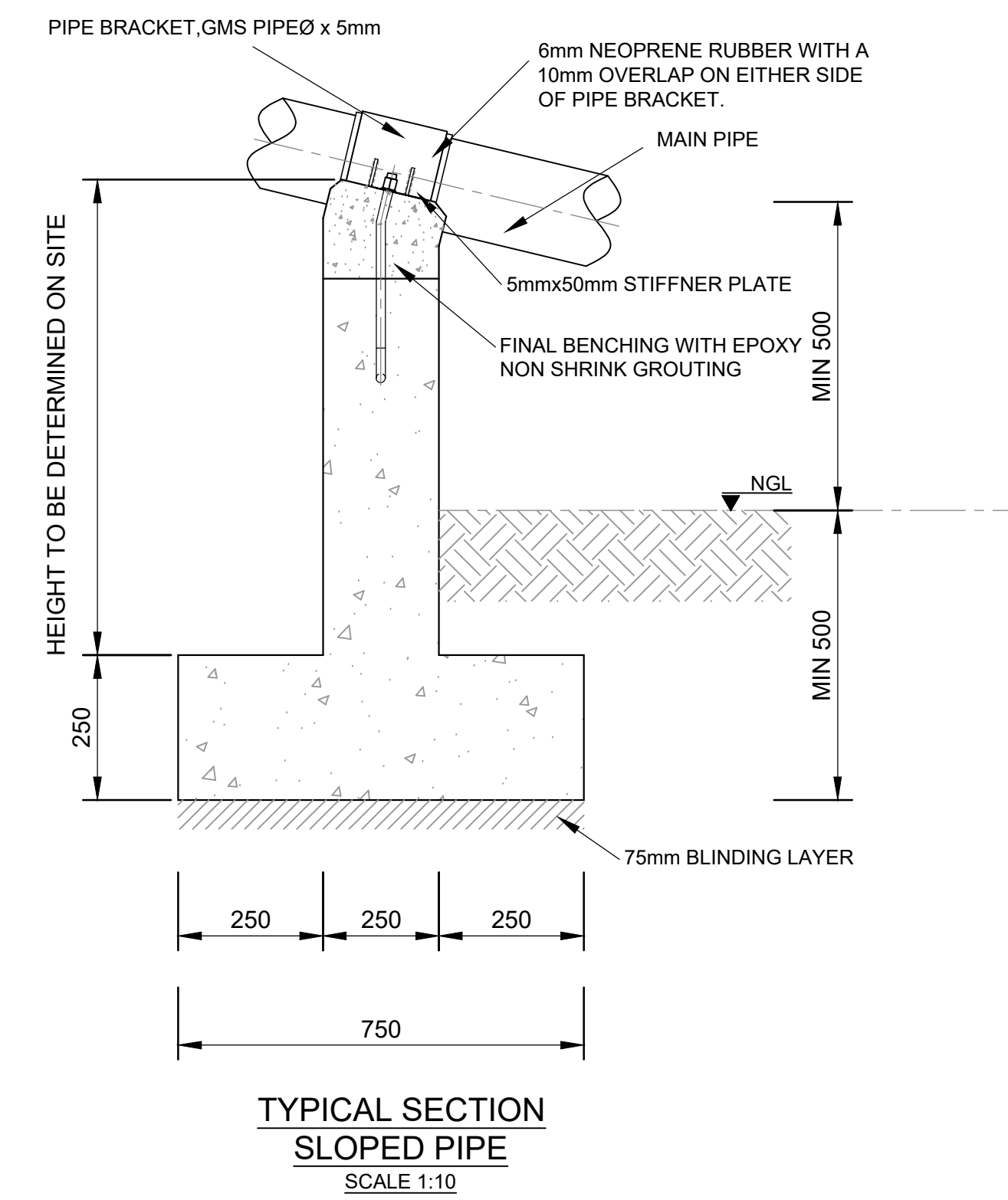
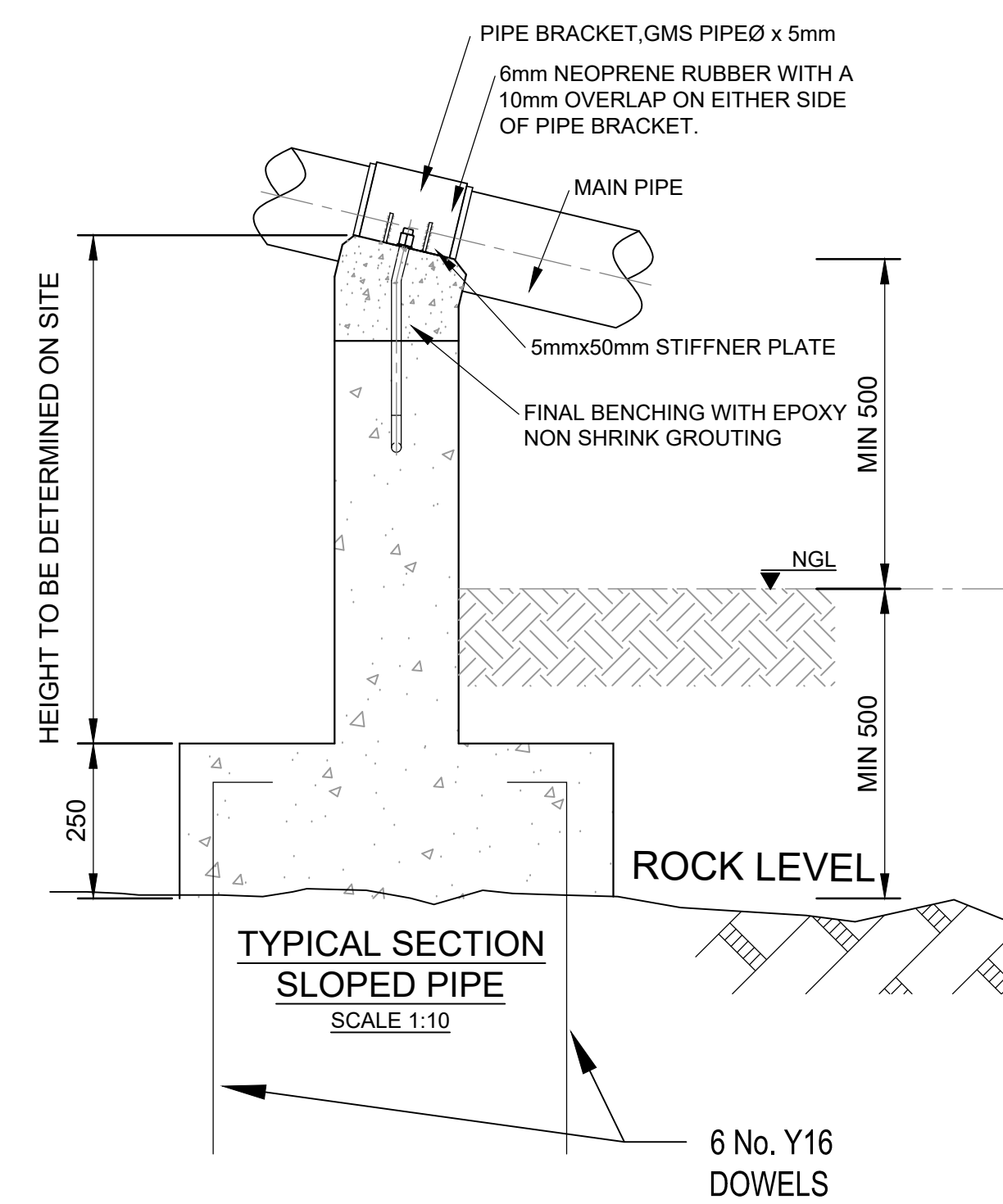
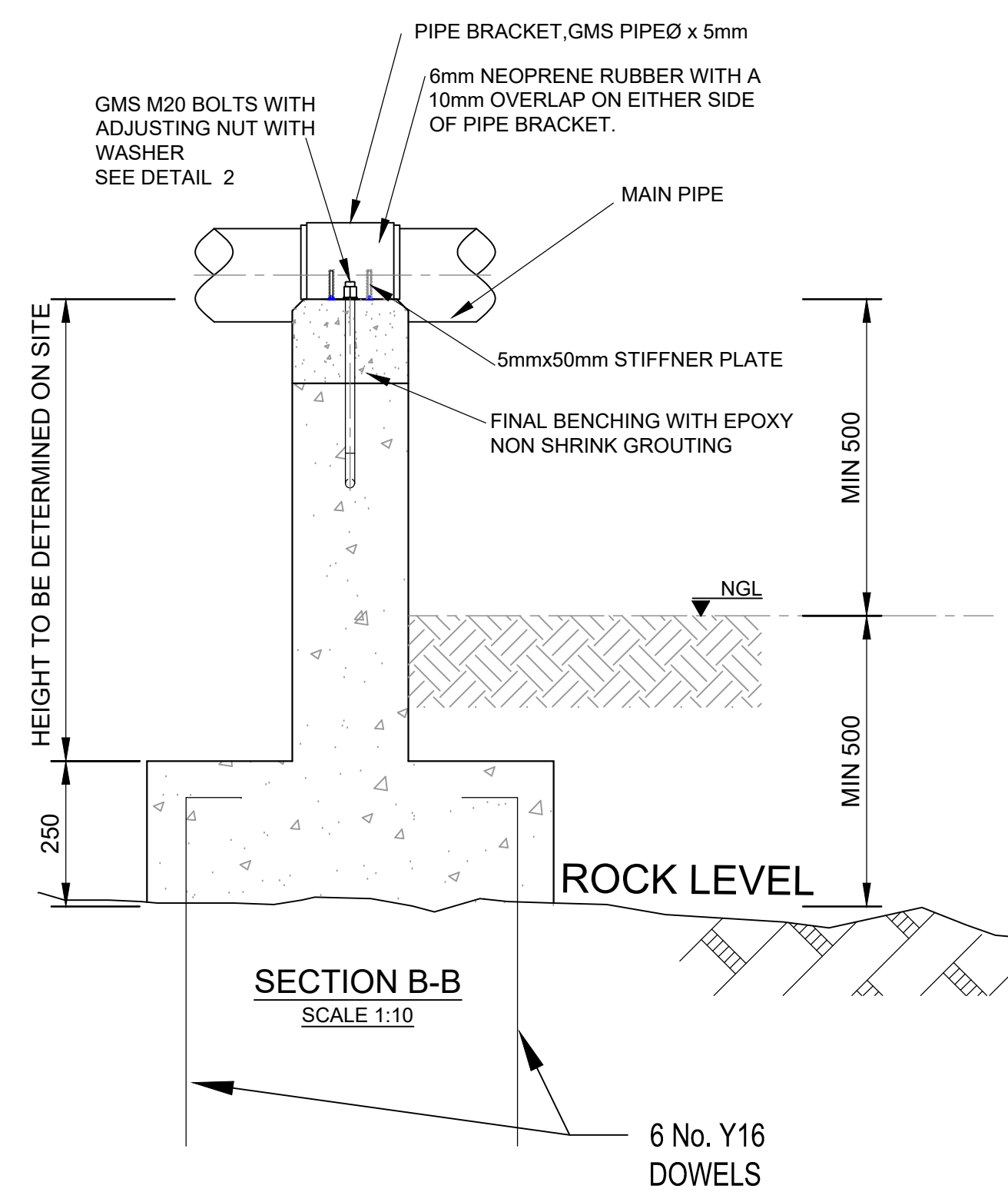
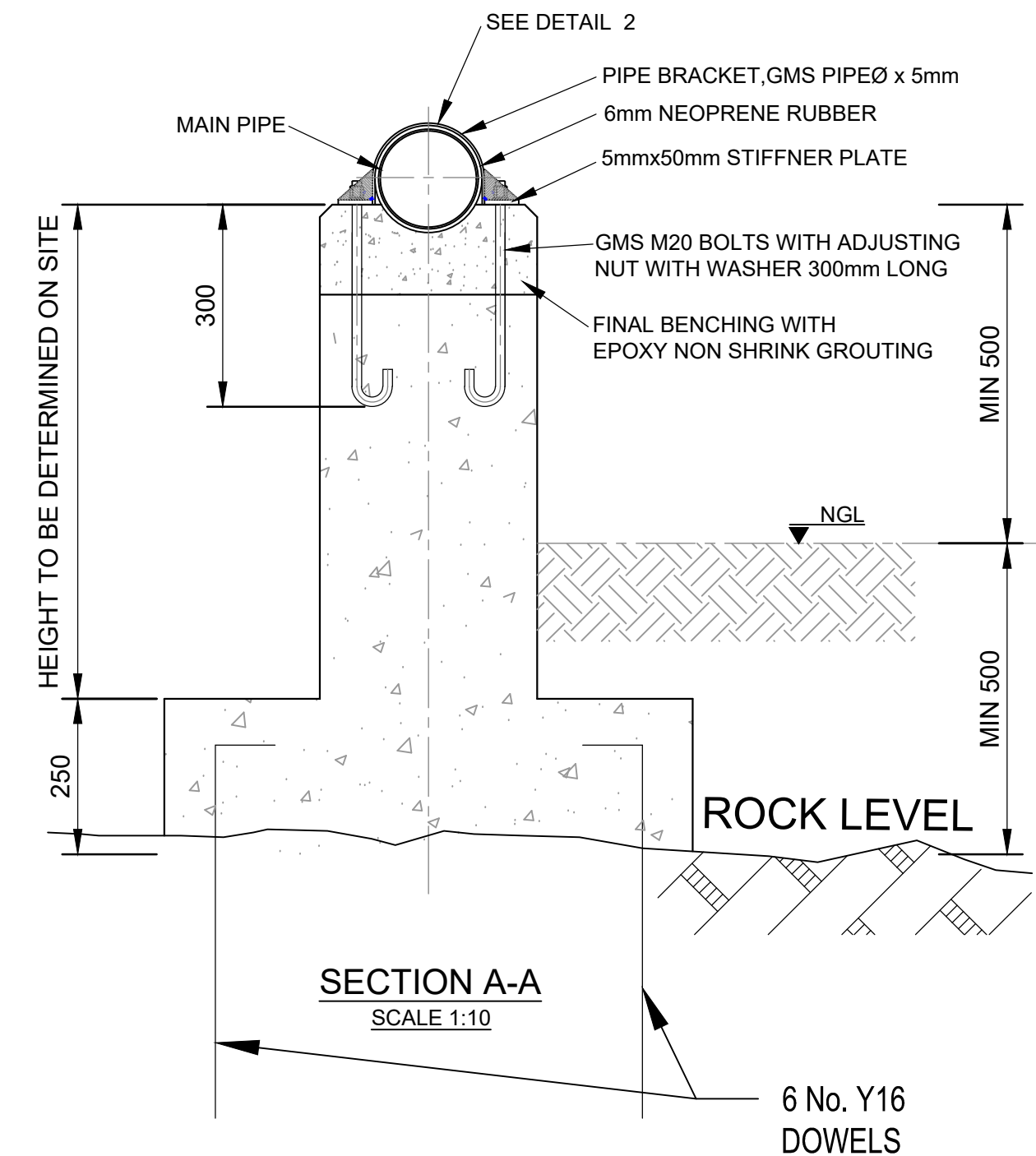
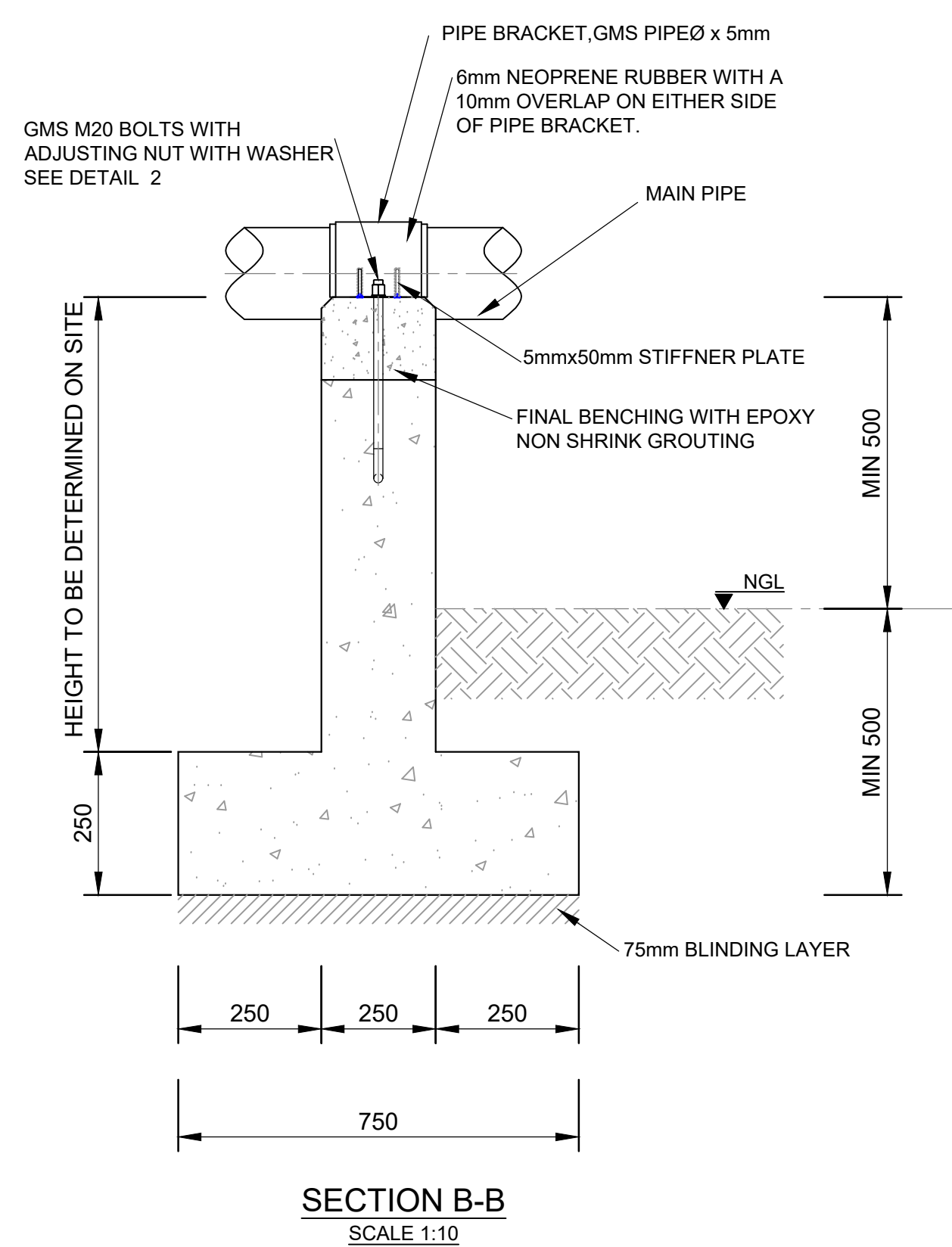
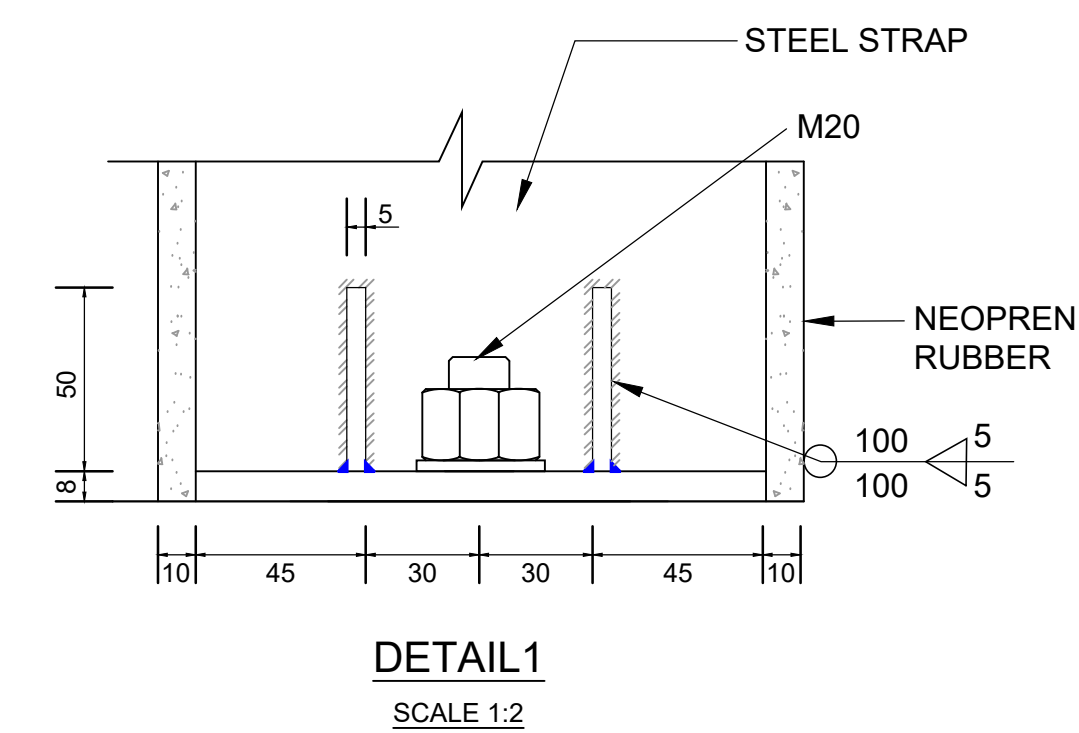
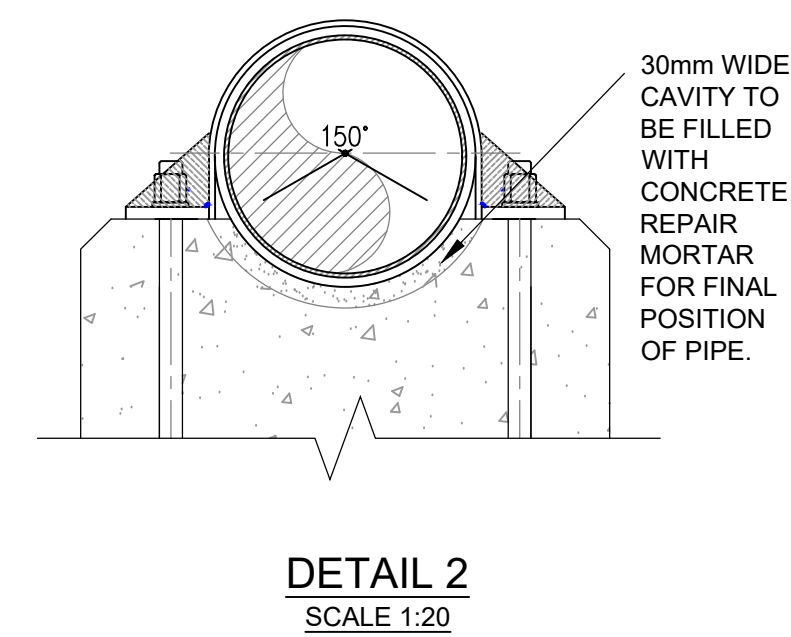
Technical drawing of the Plan View of the Main Pipe Bracket. The drawing shows a central rectangular bracket with a width of 250mm and a total length of 750mm. The bracket is divided into three equal sections of 250mm each. The outer diameter (OD) of the main pipe is 400mm, and the inner diameter (ID) is 300mm. The bracket has a 20mm chamfer on its top and bottom edges. A 6mm neoprene rubber with a 10mm overlap is shown on either side of the main pipe bracket. The drawing is labeled "PLAN VIEW" and "SCALE 1:10".

Diagram illustrating the cross-section (Section A-A) of a 1200mm diameter manhole structure, showing the main pipe, pipe bracket, GMS pipe, 5mm neoprene rubber, 5mm x 50mm stiffener plate, GMS M20 bolts with adjusting nut with washer 300mm long, final benching with epoxy non shrink grouting, and 75mm blinding layer.

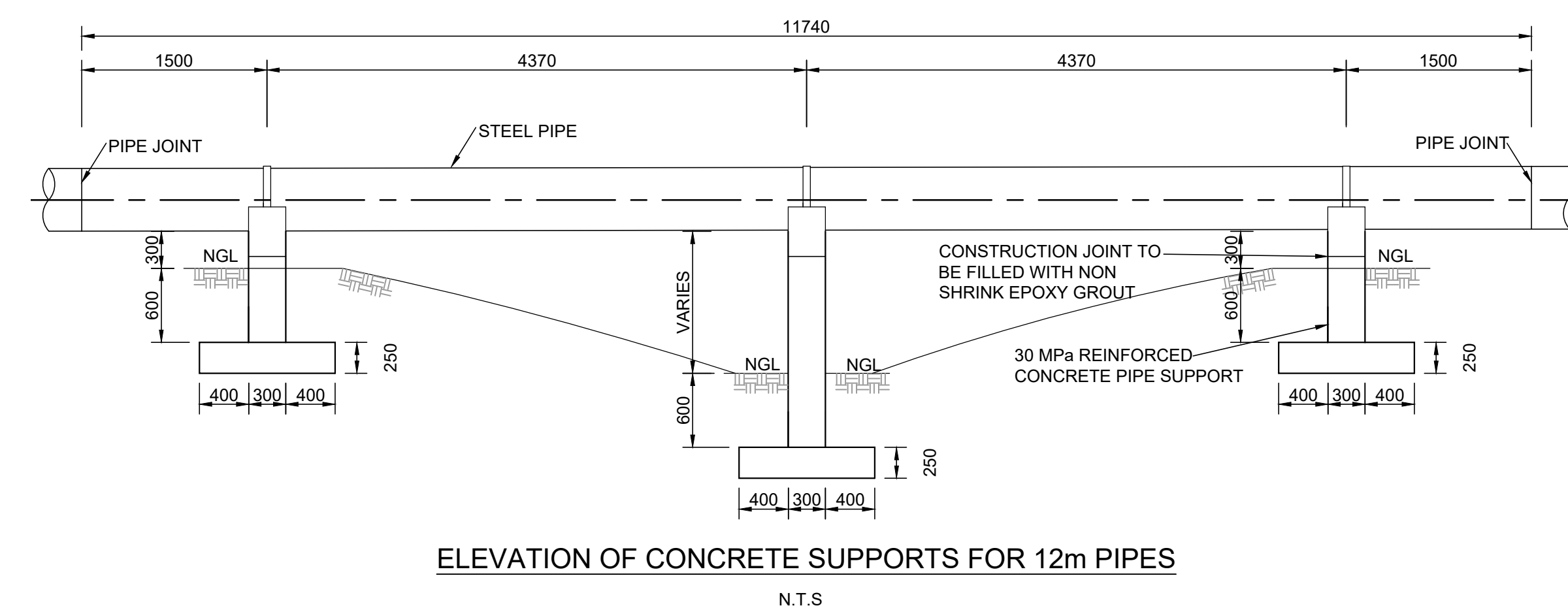
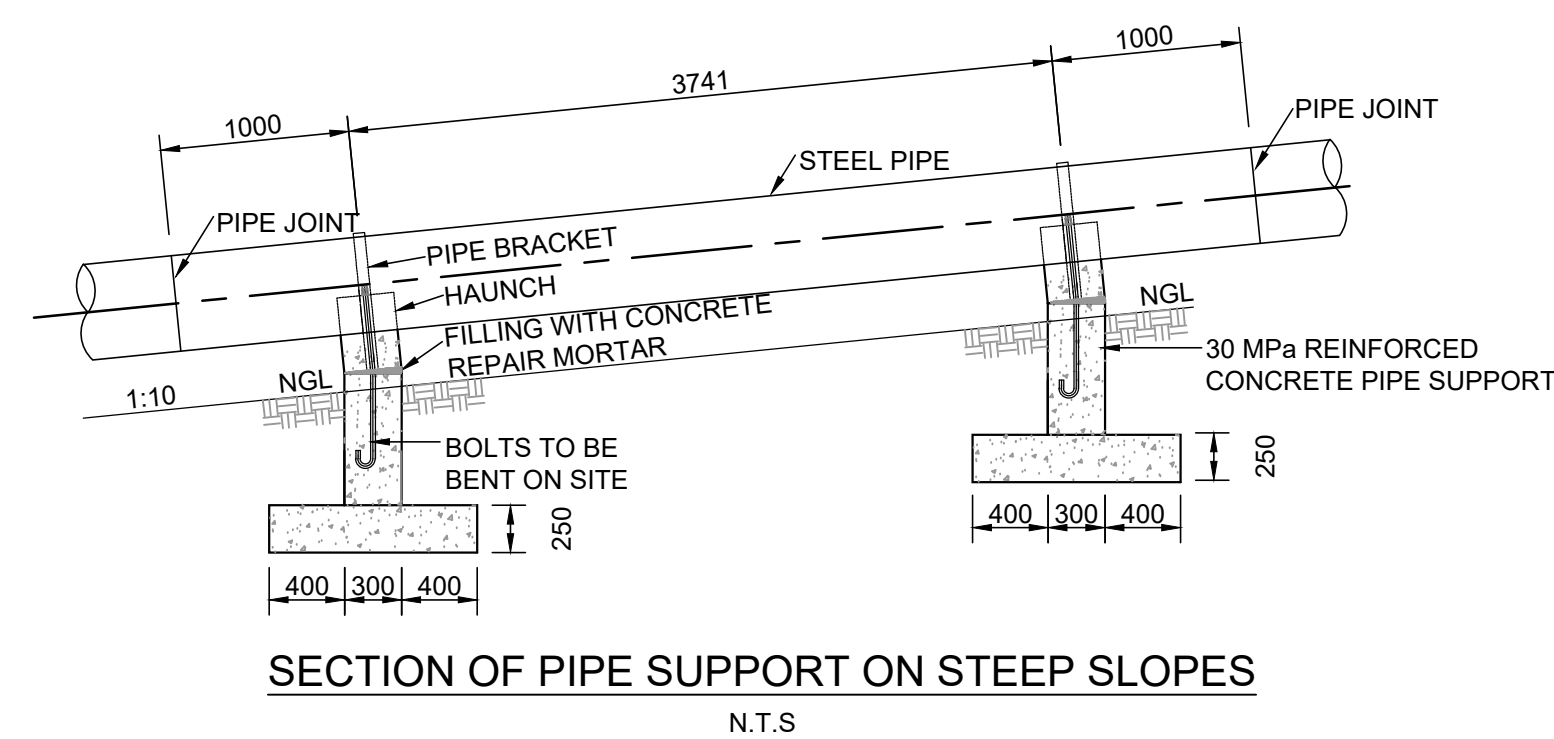
Dimensions and Notes:

- Height to be determined on site (300mm)
- MIN 500 (Minimum height)
- MIN 500 (Minimum height)
- 250 (Width of the base)
- OD+400 (Outer Diameter)
- OD+900 (Outer Diameter)
- 75mm BLINDING LAYER
- RIP AND RECOMPACT INSITU TO 95% MOD AASHTO
- SEE DETAIL 2
- PIPE BRACKET GMS PIPE x 5mm
- 6mm NEOPRENE RUBBER
- 5mmx50mm STIFFENER PLATE
- GMS M20 BOLTS WITH ADJUSTING NUT WITH WASHER 300mm LONG
- FINAL BENCHING WITH EPOXY NON SHRINK GROUTING
- NGL (Natural Ground Level)

SCALE 1:10



1. CONCRETE : 25/19
2. EXPOSED CONCRETE TO BE FINISHED WITH 20 x 20 mm CHAMBERS
3. ALL BOLTS, NUTS, AND WASHERS TO BE HOT DIP GALVANIZED IN ACCORDANCE
WITH SABS ISO 1461: STEEL 150mm, FLAT BAR AND STEEL PLATE TO BE AT LEAST 150mm.
4. MINIMUM DEPTH OF EMBEDDATION FOR CONCRETE PIPE SUPPORTS TO BE DETERMINED
ON SITE. NO CONCRETE CASTING WILL BE ALLOWED BEFORE WRITTEN APPROVAL HAS
BEEN GIVEN BY ENGINEER
5. ALL CONCRETE SUPPORTS SHALL BE PRECEDED BY A 50mm concrete BLINDING
LAYER (15/19)
6. STEEL BENDING SCHEDULE TO BE ISSUED FOR INDIVIDUAL PIPE SUPPORTS BY ENGINEER.
7. DOWELS ON ROCK PLINTHS TO BE IN CORNERS, AND CENTERS OF LONGER SIDES. SET INTO 25mm DIA., 500mm DEEP
CONCRETE. USE OF LOCKWAS 540, OR SIMILAR APPROVED, NON-SHRINK GROUT



FUNDER:

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Westville

Telephone Number
Facsimile Number
E-mail Address
Website Link or Address

Telephone Number _____
Facsimile Number _____
E-mail Address _____
Website Link or Address _____

[illegible]

PROJECT NAME:

WESTERN HIGHVELD BULK WATER SCHEME

DRAWING TITLE:

PIPE BRIDGE DETAIL

RESPONSIBLE PERSONNEL		SIGNATURE		DATE	
DESIGNED	S NGCOBO				
DRAWN	L JIYANA				
CHECKED	S MKHIZE				
APPROVED	AM NDLOVU				
SCALE	AS SHOWN				
APPROVED : CLIENT					
SIGNATURE		DATE			
PROJECT NUMBER		DRAWING NUMBER			
VU-WTR-21-006		301			
STAGE		SHEET SIZE	SHEET NO.	REVISION	
TENDER		A0	1 OF 1	0	
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