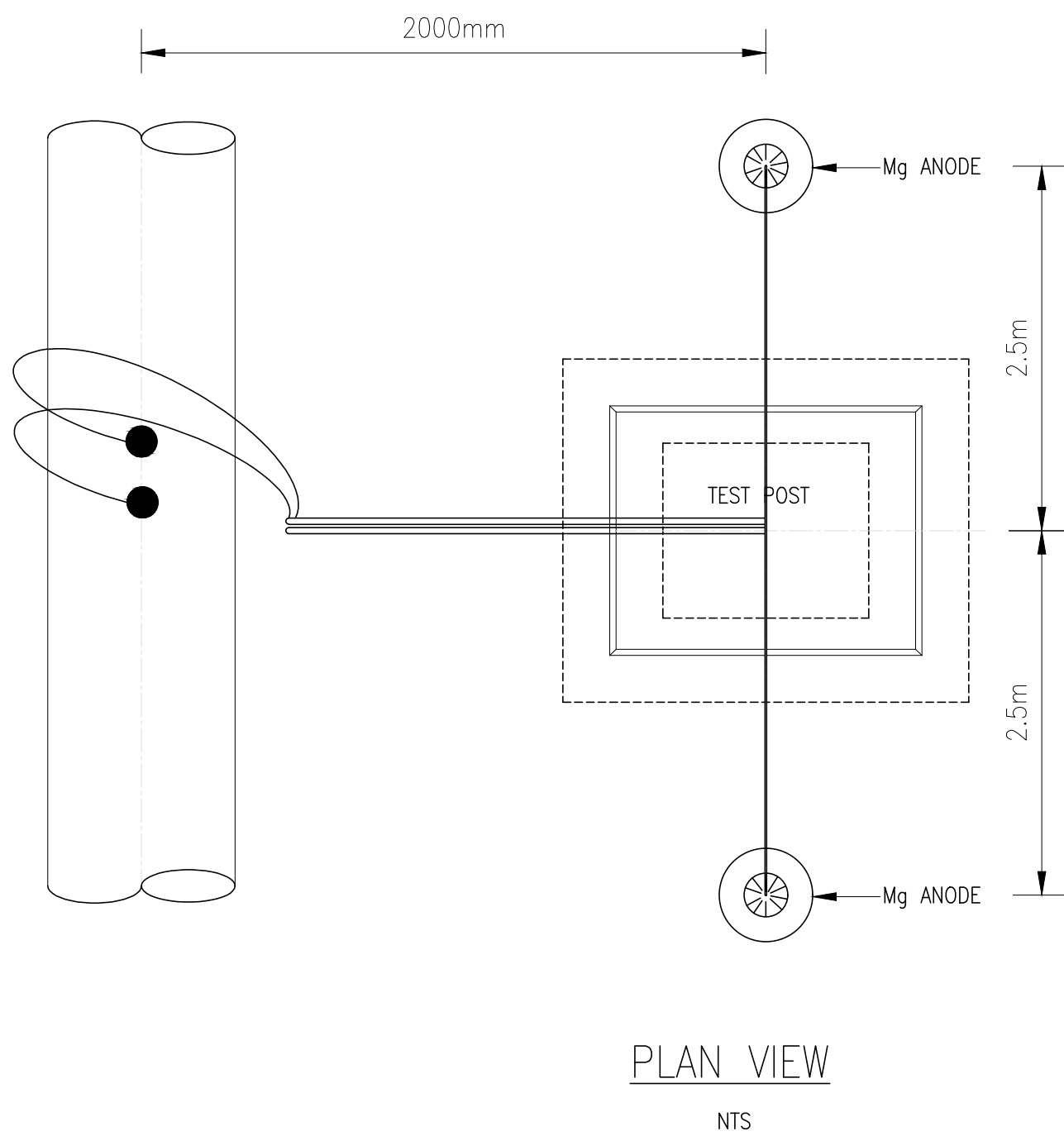
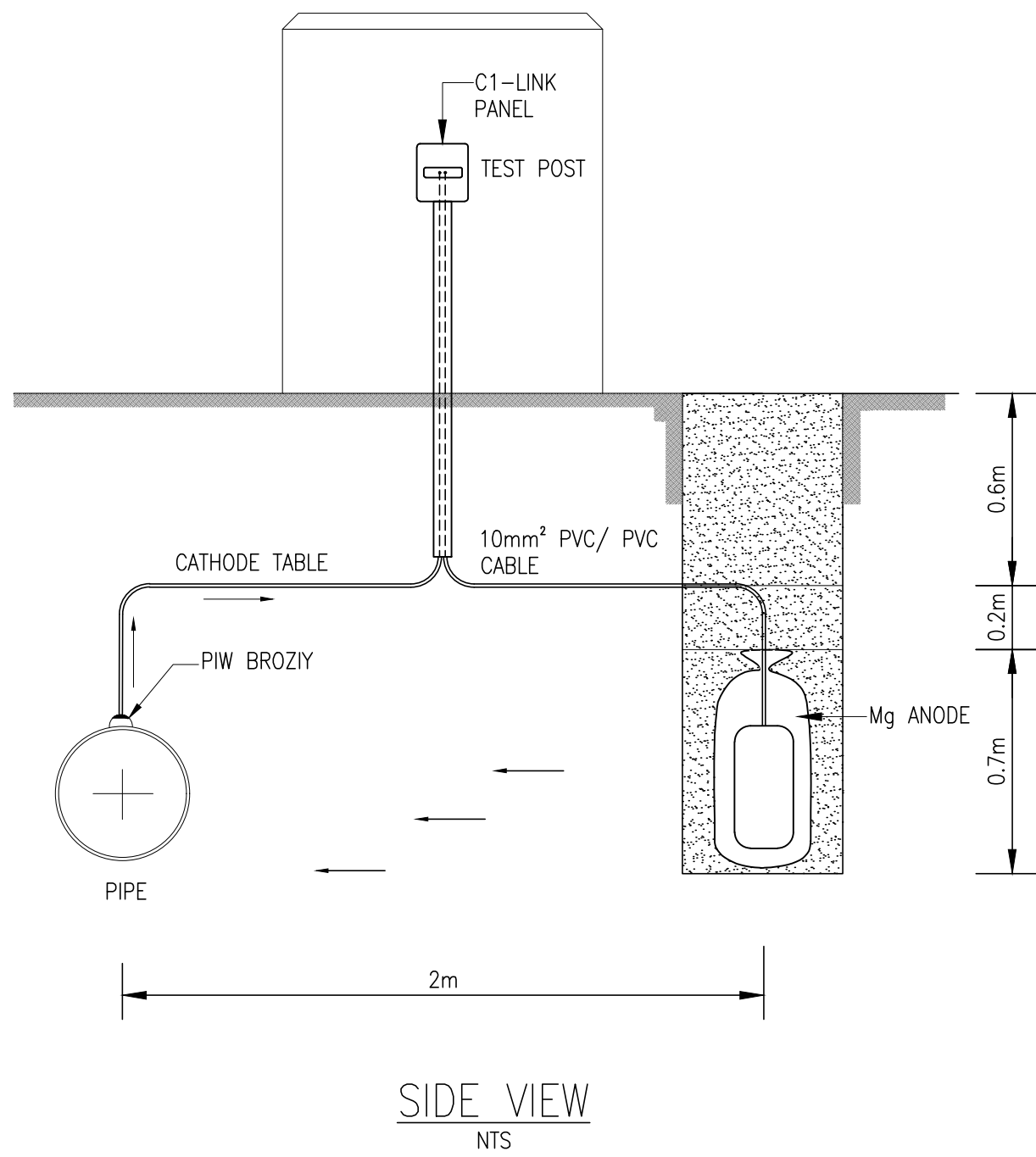
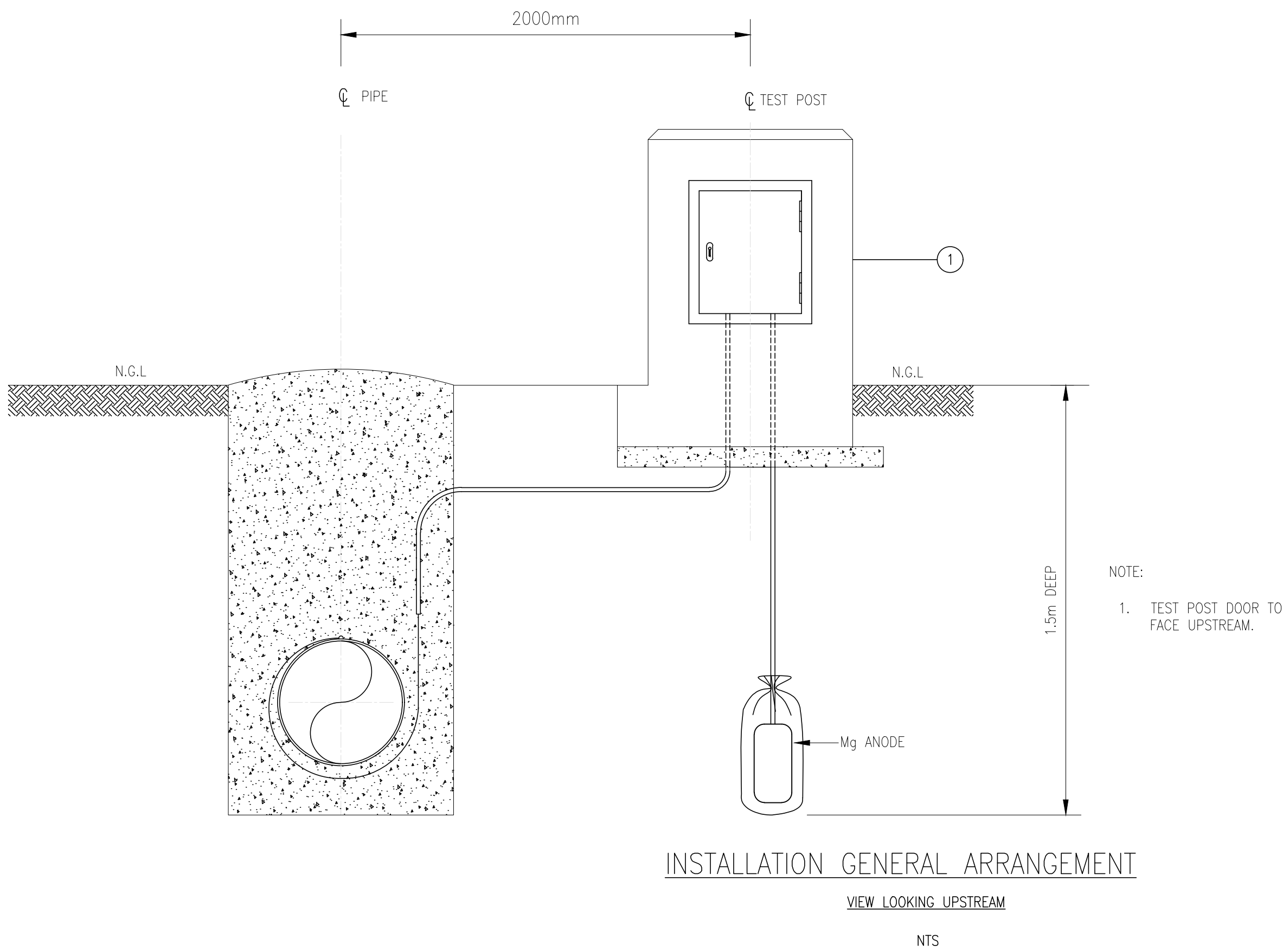
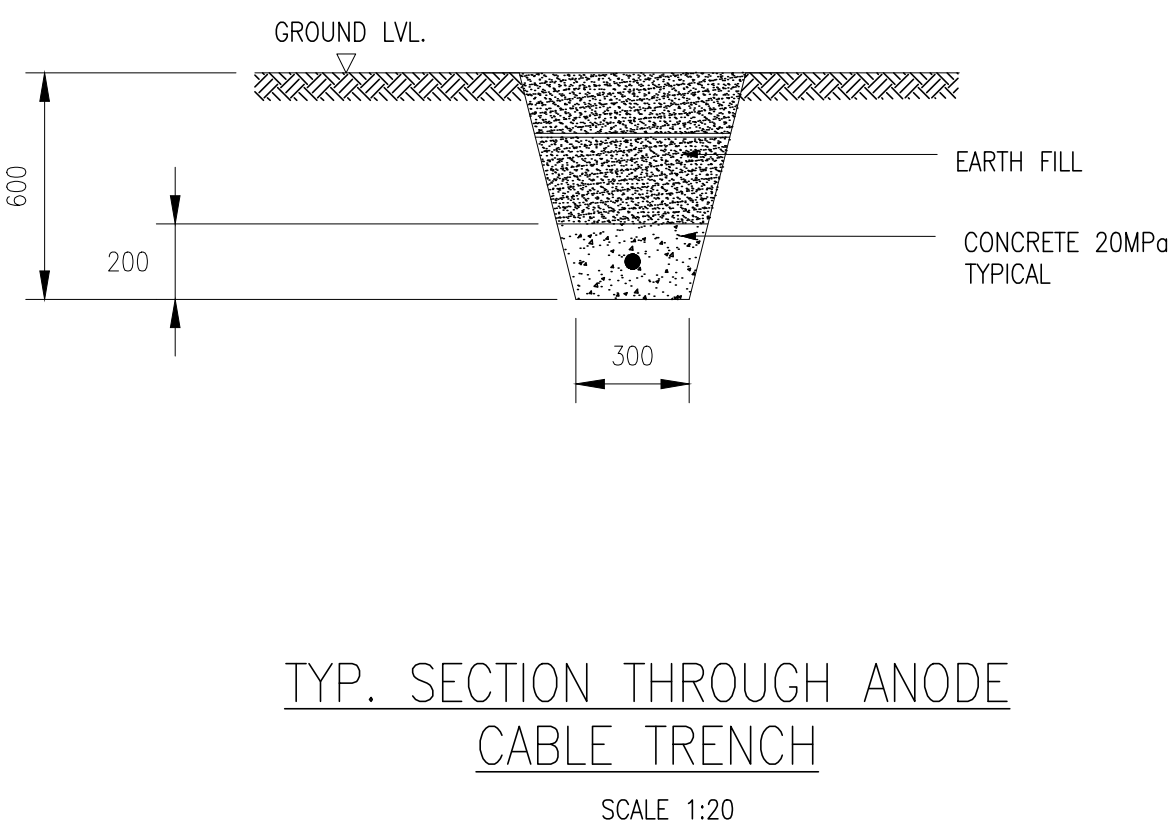
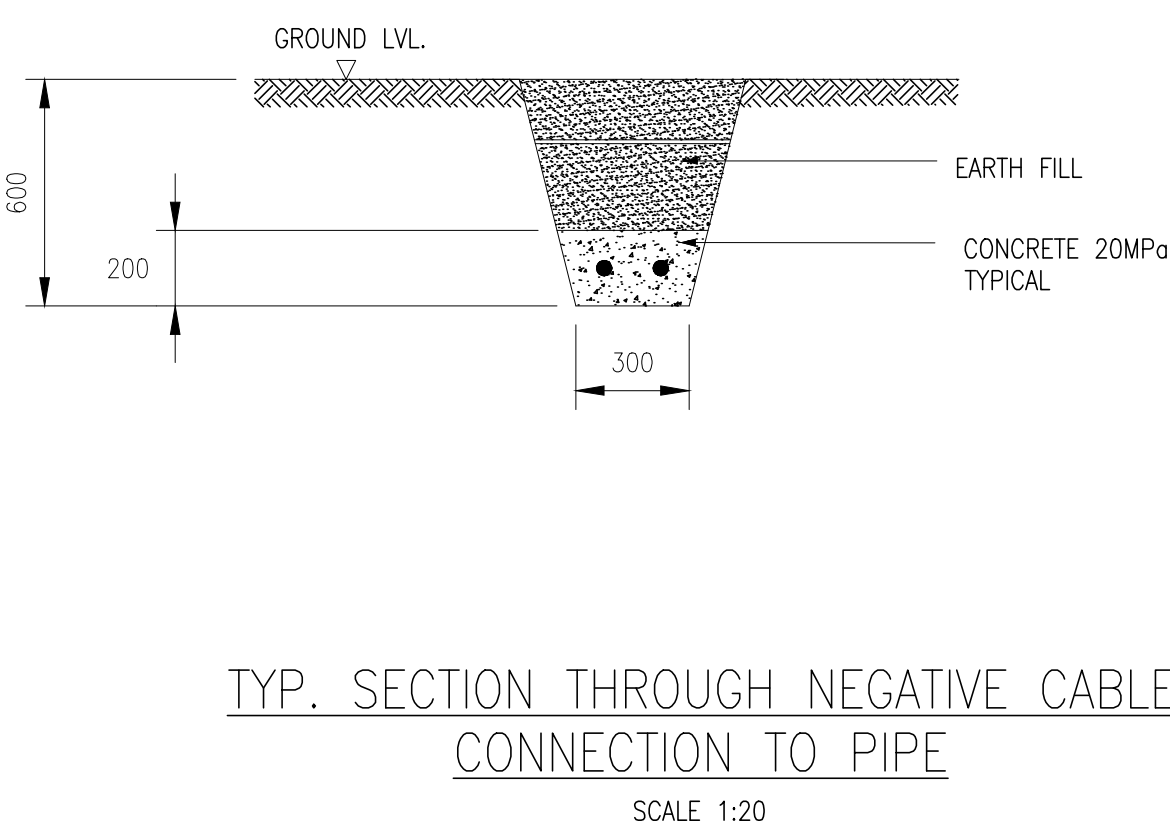


NOTES:

1. CONFIRM LOCATION (DEPTH AND CO-ORIDNATES) AND MARK OUT OF TRENCHING
2. 7.7KG HI-POTENTIAL MAGNESIUM ANODES, SURROUNDED BY A GYPSUM BENTONITE CLAY BACKFILL IN A CLOTH BEG WITH 10m LONG BY 10mm² RED PVC/ PVC CABLE
3. THE CRITERIA FOR PROTECTION SHALL BE BASED ON PIPE TO SOIL POTENTIAL WITHIN A RAGE OF -0.850 VOLTS TO -1.050 VOLTS RELATIVE TO A COPPER-COPPER SULFATE REFERENCE ELECTRODE.
4. ENSURE THAT THE LOCATION OF THE SACRIFICIAL ANODE CORRESPOND WITH LOCATION OF THE VALVE CHAMBER OR MONITORING POINT (VCMP) OR BUNKER MONITORING POINT (BMP) SITE. INSTALLATION TO BE CROSS REFERENCED ON THE RELEVANT PIPE DRAWING OR PROJECT DRAWINGS
5. EXCAVATION PIT 1.5m DEEP AND AT MOST 2m AWAY FROM PIPELINE AS PER DRAWING REMOVE PLASTIC COVER AND PLACE AT THE BASE OF PIT AND ROUTE CABLE AS PER DRAWING.
6. TO BE REMOVED ONCE PERMANENT CP INSTALLED. EACH ANODE TO BE INSTALLED ON EITHER SIDE OF THE CHAMBER AS PER DRAWING IN A VERTICAL POSITION
7. THE CONNECTION BETWEEN THE ANODE AND THE PIPELINE MUST BE VIA THE PIPELINE MONITORING CABLE AND BOTH TO TERMINATE IN A LINK PANEL INSIDE VC OR BUNKER MP AS PER DRAWING
8. TO BE TERMINATED INSIDE CHAMBER OR BUNKER IN A LINK PANEL. OTHERWISE ANODE TO BE CONNECTED DIRECTLY TO PIPE. CABLE TO PIPE CONNECTIONS SHALL BE BY PIN BRAZING
9. THE MINIMUM AMOUNT OF COATING SHALL BE REMOVED. AFTER CONNECTING THE CABLE ENTIRE EXPOSED AREA SHALL BE ENCAPSULATED IN EPOXY
10. POSITION TO BE GPS RECORDED
11. CABLE TRENCH SHALL BE 0.6m DEEP AND THE CABLE SHALL BE ENCAPSULATED IN CONCRETE AS PER DRAWING.



REVISIONS				
No	DATE	CHECKED	APPROVED	DESCRIPTION
REFERENCE DRAWINGS				
NUMBER	TITLE			



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SAP No.	P-XXXXX	CHECKED BY	
CONTRACT No.	RWXXXXX/XX	D.O.M. c. TUMBARE	
DESIGNED BY	XXX	APPROVED	Pr Eng
DRAWN BY	KS KWINDA	REG. No.	
DATE	2017-03-22	DATE	

RAND WATER
STANDARD DRAWING

SACRIFICIAL ANODES CATHODIC
PROTECTION INSTALLATION
MONITORING POST

STATION	WKS	DOC. TYPE	S
SCALE : AS SHOWN	REVISION		