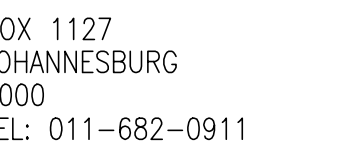


1. CONFIRM LOCATION (DEPTH AND CO-ORDINATES) AND MARK OUT OF TRENCHING.
2. 7.7Kv AC POTENTIAL MAGNESIUM ANODES, SURROUNDED BY A CYPSSUM BENTONITE CLAY BACKFILL IN A CLOTH BAG WITH 10m long PVC 10mm ID RED PIPE 10mm DIA. LONG 10m.
3. THE CRITERIA FOR PROTECTION SHALL BE BASED ON PIPE TO SOIL POTENTIAL WITHIN A RANGE OF -0.850 VOLTS TO -0.950 VOLTS RELATIVE TO A COPPER/COPPER SULFATE REFERENCE ELECTRODE.
4. ENSURE THAT THE LOCATION OF THE ANODES AND ANODES CORRESPOND WITH LOCATION OF THE VALVE CHAMBER OR MONITORING POINT (VCM) OR BUNKER
5. MONITORING POINT (VCM) OR BUNKER SHALL BE LOCATED AT LEAST 2m AWAY FROM PIPELINE AS PER DRAWING OR PROJECT DRAWINGS
6. MONITORING POINT (VCM) OR BUNKER SHALL BE AT LEAST 2m AWAY FROM PIPELINE AS PER DRAWING
7. REMOVE PLASTIC COVER AND PLACE AT THE END OF THE PIPE AND ROUTE CABLE AS PER DRAWING.
8. TO BE REMOVED ONCE PERMANENT CP IS INSTALLED, EACH ANODE SHALL BE INSTALLED ON EITHER SIDE OF THE CHAMBER AS PER DRAWING IN A VERTICAL POSITION
9. THE CONNECTION BETWEEN THE ANODE AND THE PIPE SHALL BE BY A PIPELINE MONITORING CABLE AND BOTH TO TERMINATE IN A LINK PANEL INSIDE VC OR BUNKER MP AS PER DRAWING
10. TO BE TERMINATED INSIDE CHAMBER OR BUNKER IN A LINK PANEL, OTHERWISE ANODES TO BE CONNECTED DIRECTLY TO THE CABLE TO PIPE CONNECTIONS SHALL BE BY PIN BRAZING.
11. MINIMUM AMOUNT OF COATING SHALL BE REMOVED, AFTER CONNECTING THE CABLE ENTIRE EXPOSED AREA SHALL BE ENCAPSULATED IN EPOXY
12. POSITION TO BE CPS RECORDED
13. CABLE TRENCH SHALL BE 0.6m DEPTH AND CABLE SHALL BE ENCAPSULATED IN CONCRETE AS PER DRAWING.

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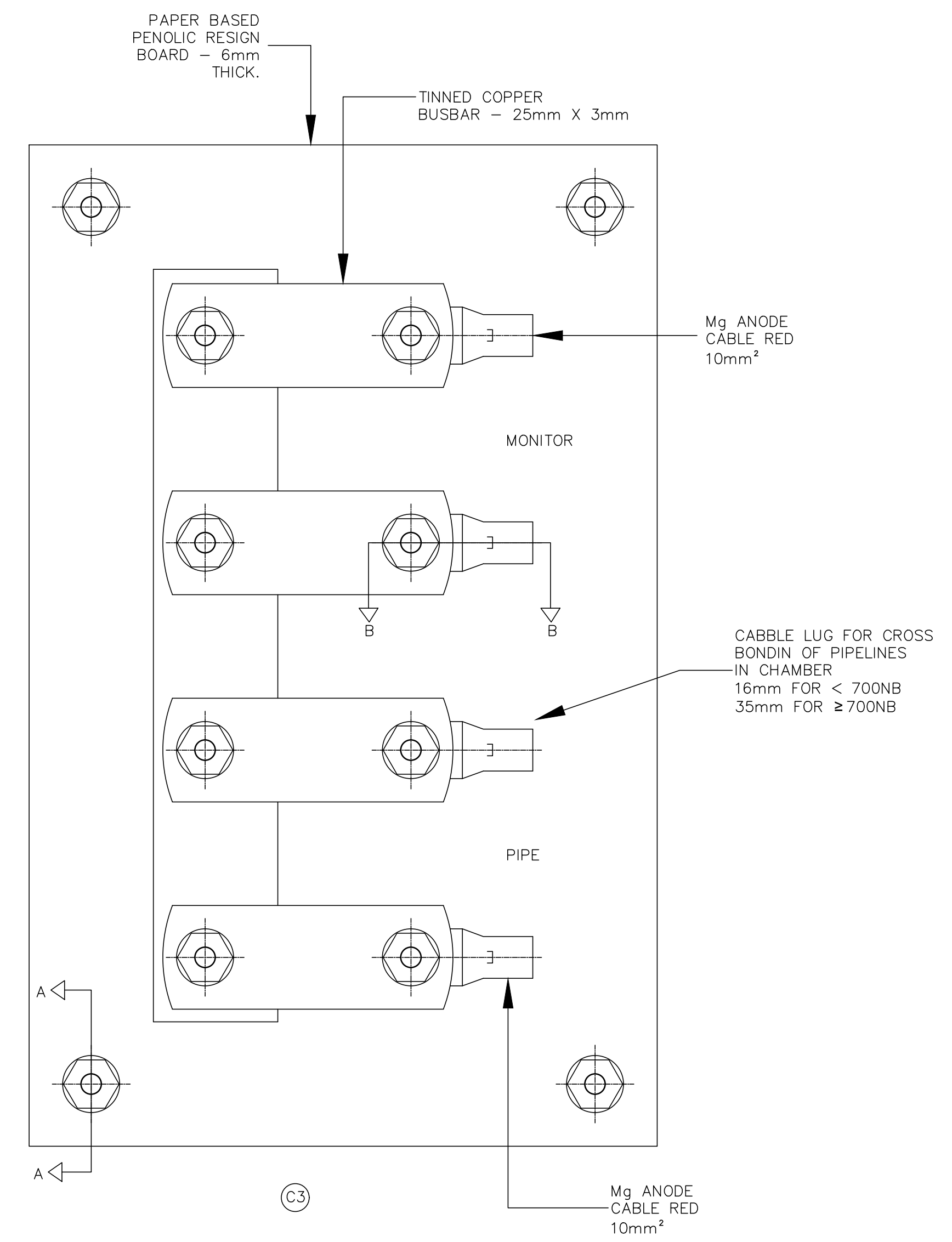
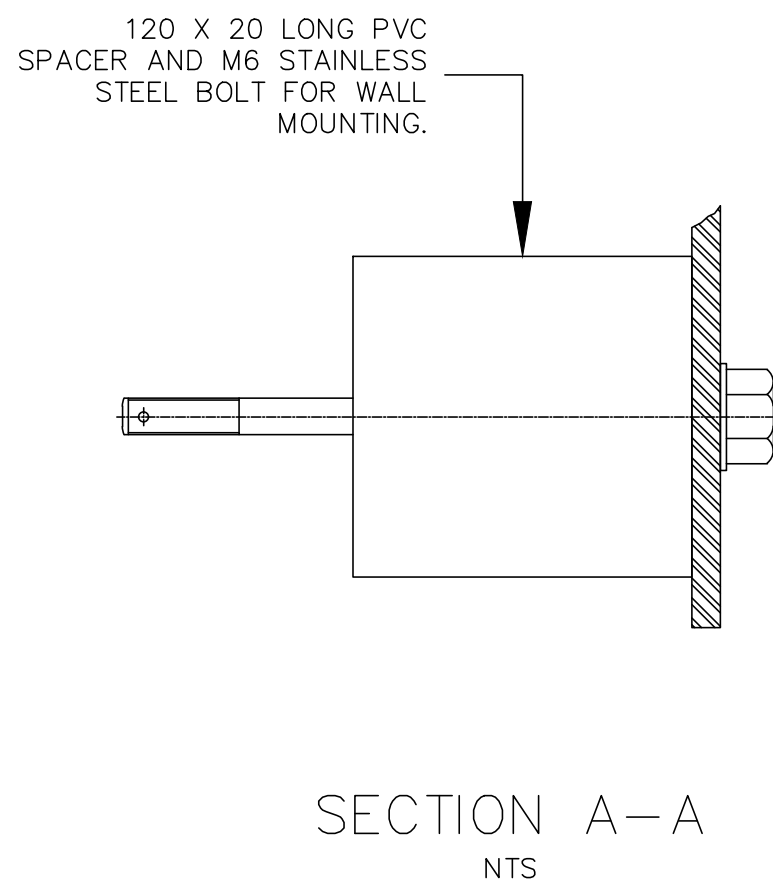
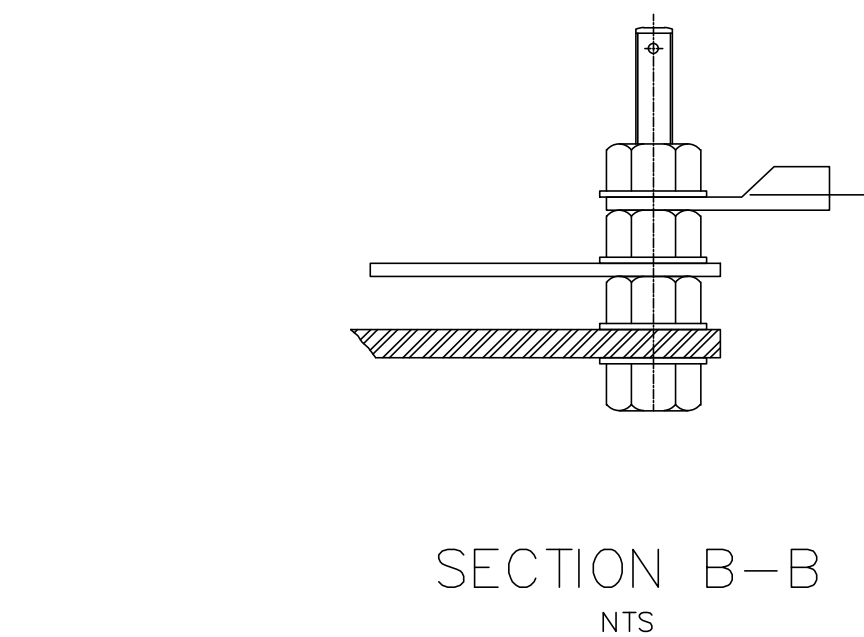
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SAP No.	P.XXXXX	CHECKED BY	
CONTRACT No.	RWXXX	D.O.M. c. TUMBARE	
DESIGNED BY	XXXXX	APPROVED	Pr Eng
DRAWN BY	X.X.	REG. No.	
DATE	20XX-XX-XX	DATE	

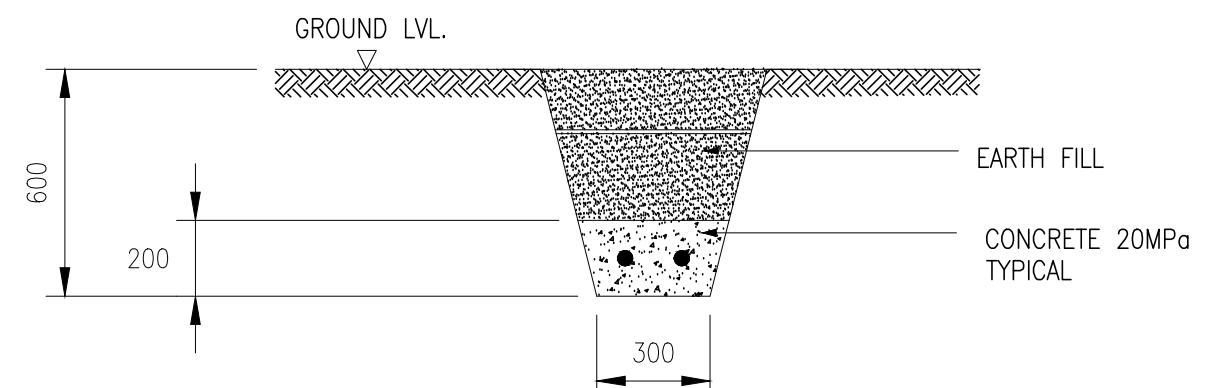
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SCALE 1:X

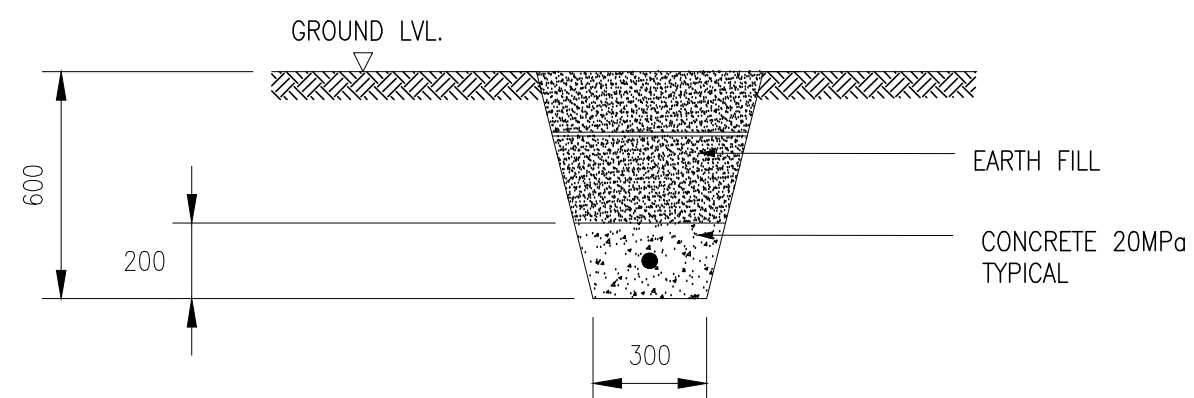
DRG No. R0_27645



LINK PANEL
NTS



TYP. SECTION THROUGH NEGATIVE CABLE
CONNECTION TO PIPE
SCALE 1:20



TYP. SECTION THROUGH ANODE
CABLE TRENCH
SCALE 1:20

NO.	ACTIVITY	UNIT
A	INSTALLATION SITE PREPARATION	PIT DEPTH
B	ANODES AND CABLE	7.7kg
C	INSTALLATION OF TEMPORARY SACRIFICIAL ANODES	2 ANODES PER KM: IF PIPE ID< 1.4m; 4 ANODES PER KM: IF PIPE ID>1.4m
D	VERIFY LOCATION	BUNKER OR CHAMBER LOCATION (MP)
E	PIT EXCAVATION	2m AWAY FROM PIPE AT PIPE DEPTH
F	ANODE INSTALLATION	2 OR 4 ANODES
G	PIPE CABLE CONNECTION AS PER	PIN BRAZING
H	TERMINATION	LINK PANEL
I	COATING MAKE GOOD	EPOXY OR EQUIVALENT
J	IDENTIFICATION	GPS CO-ORDINATE
K	CABLE TRENCH AND BACKFILLING	SOIL

MATERIAL LIST			
ITEM	QTY	DESCRIPTION	MATERIAL REFERENCE
1	—	VALVE CHAMBER	EXISTING
2	—	CONDUIT TO SUIT	GALVANIZED
3	—	SADDLE CLAMPS	GALVANIZED
4	—	MONITORING POINT	STAINLESS STEEL

CABLE SCHEDULE & MATERIAL DESCRIPTION									
ITEM	QTY	LENGTH OF EACH	CABLE DESCRIPTION		STRAND TYPE	COLOUR		MATERIAL	
			CORE (mm2)	CORE QTY		BODY	CORE	CORE	INSULATION
C1	2	5m	16	1	MULTI	BLACK		COPPER	PVC/PVC
C2	1	10m	10	1	MULTI	RED		COPPER	PVC/PVC
C3	1	TO SUIT	LINK PANEL						