

(OIL CAPACITY 2,650-Lts)

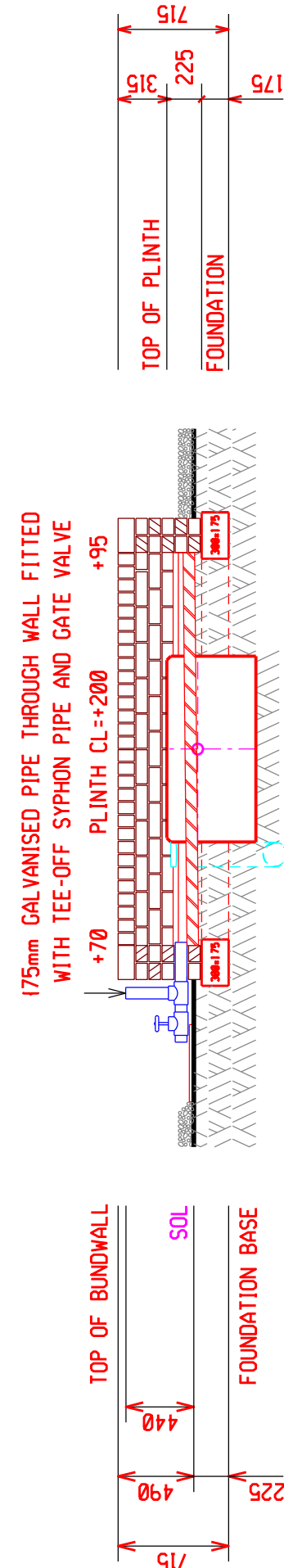
BUNDWALL PLAN

SCALE 1:50

BUNDWALL NOTES

- ALL CONCRETE WORK SHALL COMPLY WITH SANS 1200GA MINIMUM 28 DAYS COMPRESSION STRENGTH SHALL BE 25MPa NOMINAL AGGREGATE SIZE SHALL BE 19mm
- THE SUBGRADE MATERIAL UNDER THE PLINTH SHALL BE COMPACTED TO 95% OF MOD AASHTO MAXIMUM DENSITY
- * ALL CONSTRUCTION / EXPANSION JOINTS AND CABLE ENTRY POINTS SHALL BE SEALED USING EXPANDABLE INSERTS OR COMPOUND SYSTEMS. THIS SEALING SHALL HAVE A MINIMUM 2 HOUR FIRE RATING IN ACCORDANCE WITH SANS 10177.
- USE 'FBX RED SATIN'FACE BRICKS FOR BUNDWALL. BRICKS TO BE MIN 25MPa AND 35MPa WITH A 2 HOUR FIRE RATING
- BUNDWALL TO COMPLY WITH SANS 227 AND APPROVED BY ESKOM. ALL JOINTS SHALL BE CONSTRUCTED WITH 10mm THICK MOTAR (1:4) CEMENT/SAND
- 100mm CONCRETE SCREED FLOOR TO INSIDE OF BUNDWALL, AFTER ALL CABLING AND EARTHING IS COMPLETED
- 1160mm PVC SLEEVE FOR CABLES. SLEEVE TO BE CORKED AFTER CABLES ARE LAID FINAL POSITION TO BE DETERMINED ON SITE
- ALL SCREED LEVELS ARE MEASURED RELATIVE TO FINAL TERRACE LEVEL AT THE CENTRE OF PLINTH
- BUNDWALL VOLUMES:

PLINTH	=	1.52m ³
FOUNDATION	=	0.672m ³
BRICKS	=	658
SCREED	=	6.59m ³
TRFR OIL	=	2800Lt WITHOUT TRFR. FOOT PRINT

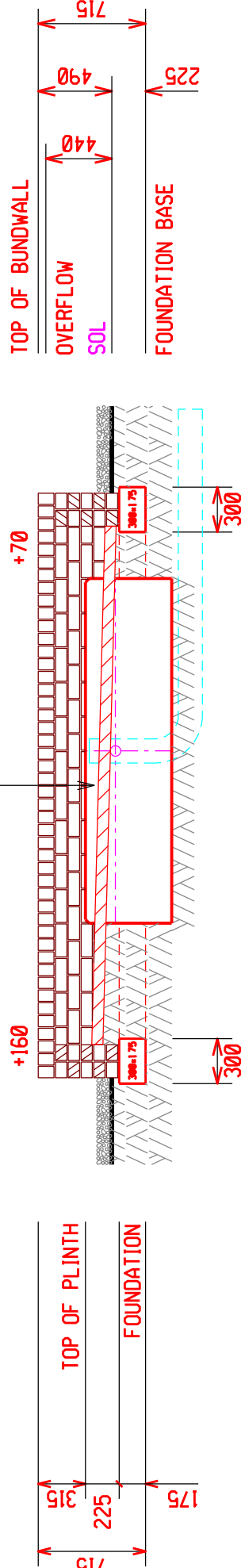


PVC CABLE DUCTS TO BE 500mm BELOW FTL

SECTION 'A-A'

SCALE 1:50

CAST 75mm CONCRETE SCREED FLOOR TO INSIDE OF BUNDWALL AFTER CABLING AND EARTHING IS COMPLETED



PROVIDE A 1160mm PVC PIPE CABLE DUCTS FROM TOP OF PLINTH TO 100mm OUTSIDE BUND FOUNDATION

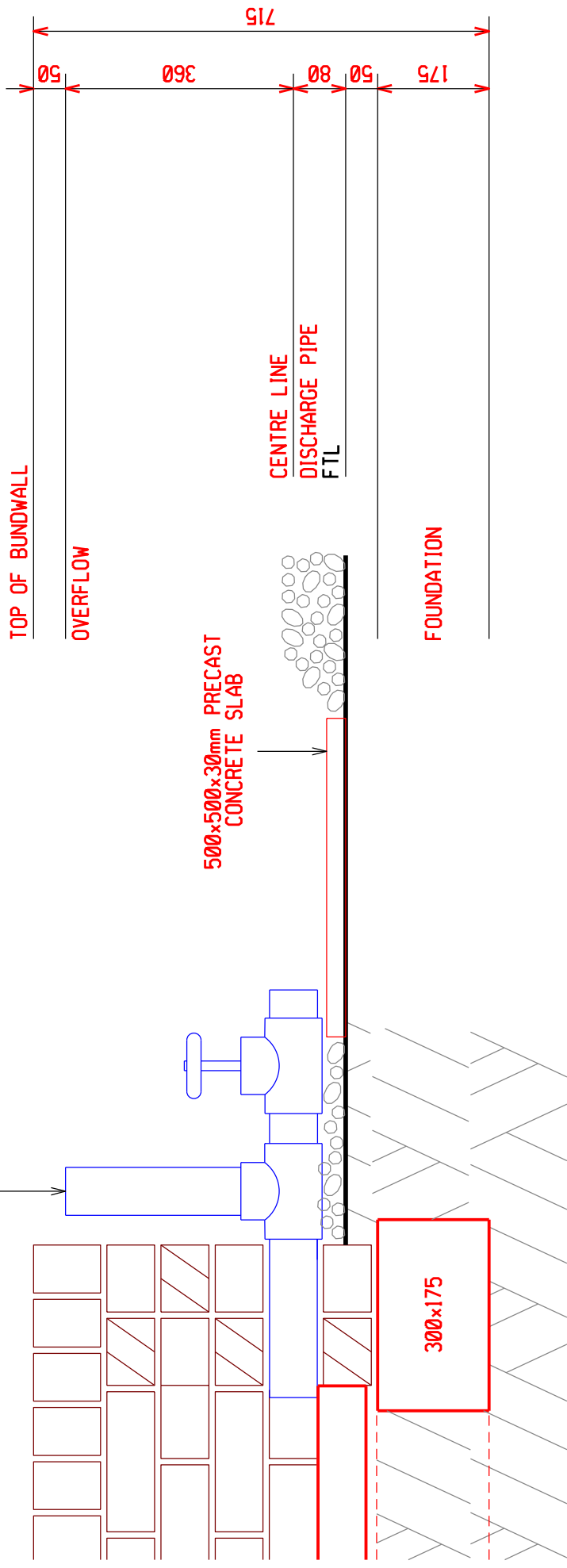
PVC CABLE DUCTS TO BE 500mm BELOW FTL

POSITION AS SHOWN ON SET.17 TO SUITE TRANSFORMER AND TAP CHANGER CABLING

SECTION 'B-B'

SCALE 1:50

175mm GALVANISED PIPE THROUGH WALL FITTED WITH TEE-OFF SYPHON PIPE AND GATE VALVE



BUNDWALL DRAINAGE SECTION

NTS

See D-DT-5207 SET.4 SHT.1 REV.7 FOR PLINTH DETAILS

				CHECKED G Pillay 29/01/2021		AUTHORIZED PD Chetty 01/02/2021		UMKOMAAS SUBSTATION CIVILS		ER00779	
				DRAWN T D O'Brien 12/12/2018				22-kV NEC/R-T1 BUNDWALL PLAN, SECTION AND DETAILS		20 03 00	
				SCALE 1:40		Eskom Distribution					
				REVISION DESCRIPTION		DATE					
				REV		CHKD		APPROVED			
				00		TDOB		PDC 01/02/21		29/01/21	
				FIRST ISSUE							