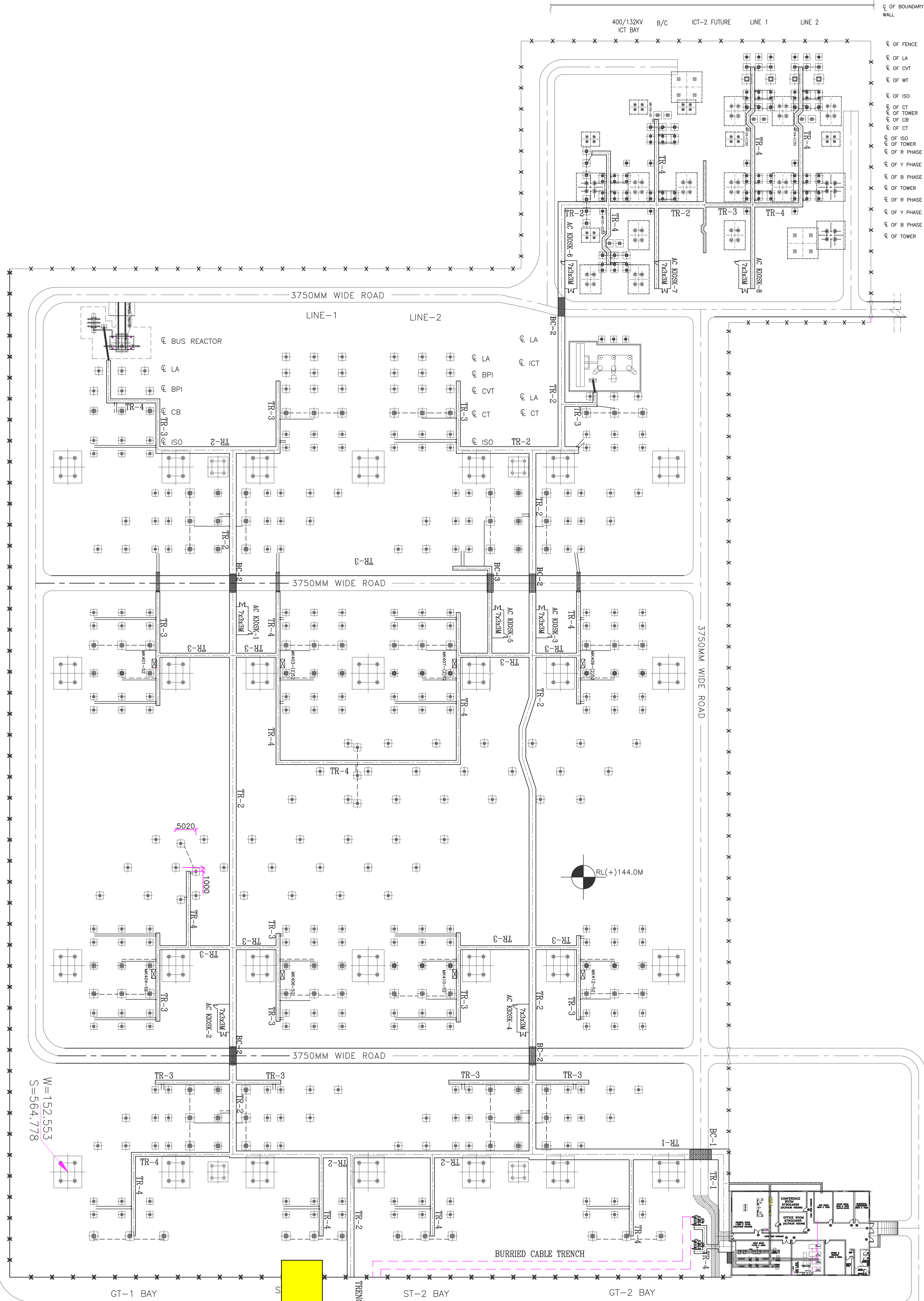
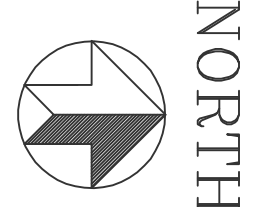
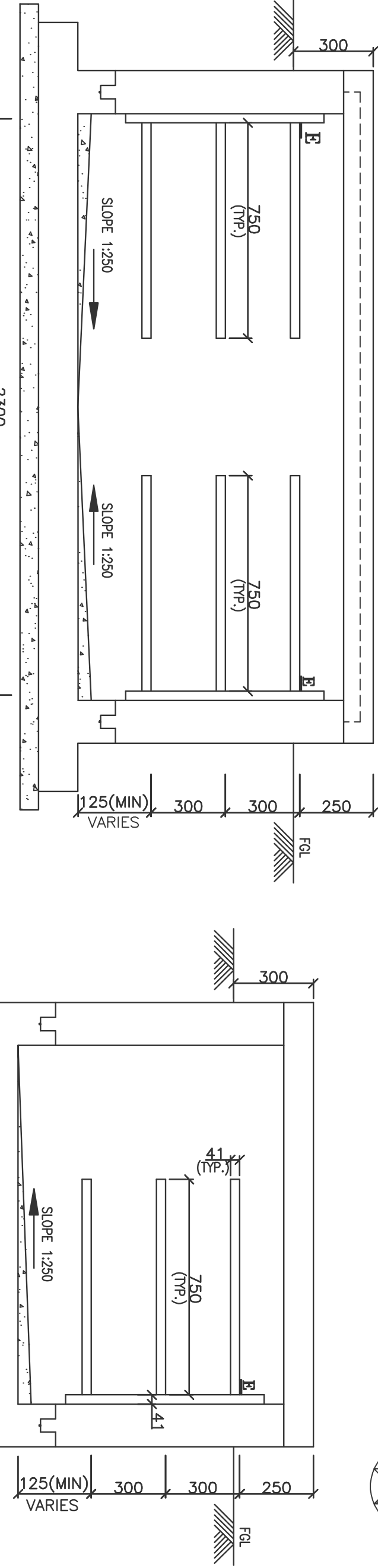


GI PIPES: MEDIUM (AS PER IS:1239-1990)				
S.NO.	FROM	TO	FOR POWER CABLES	FOR CONTROL CABLES
1.	TRENCH	48 GI/CT	-	1
2.	TR-1 (CVT/CT)	48 GI/CT	-	1
3.	TRENCH	48 GI/CT	-	1
4.	TRENCH	48 GI/CT	-	1
5.	400V ES WB Y' RH	400V ES WB Y' RH	-	1
6.	TRENCH	400V ES WB Y' RH	-	1
7.	400V ES WB Y' RH	400V ES WB Y' RH	-	1
8.	400V ES WB Y' RH	400V ES WB Y' RH	-	1
9.	400V ES WB Y' RH	400V ES WB Y' RH	-	1
10.	TRENCH	400V ES WB Y' RH	-	1

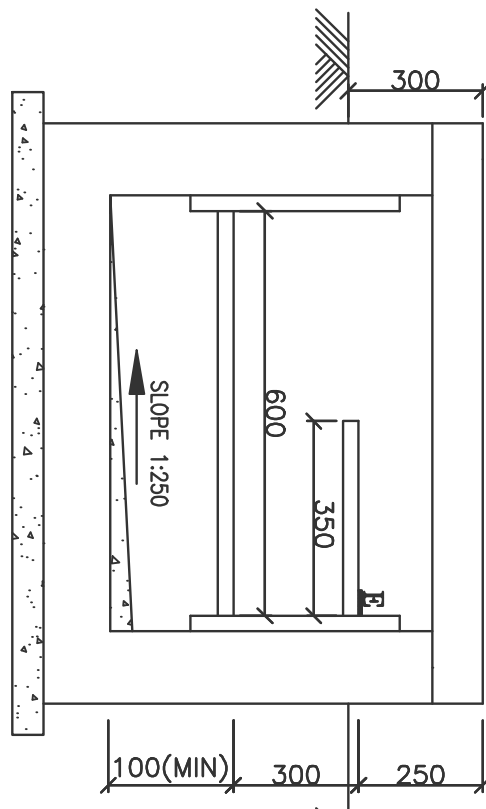
LEGEND

- INDICATES 1 NO. 50MM DIA G.I. PIPE & - TO BE USED AS CIVIL INPUT FOR CABLE TRENCHES.
- FOR ERECTION OF CABLE RACKS AT SITE.
- FOR CABLE LAYING AND ROUTING AT SITE.
- 18. CABLES SHALL BE ROUTED THROUGH SHORTEST ROUTE AS POSSIBLE.
- 20. SUMP AND DRAINAGE SHALL BE SHOWN IN SEPARATE CIVIL DRAWING.
- 21. CABLES FROM EQUIPMENTS TO MAIN TRENCH SHALL BE IN GI PIPES EXCEPT FOR 400V CIRCUIT BREAKER.
- 22. BURED CABLES FOR LIGHTING PURPOSE SHALL BE AS PER LIGHTING LAYOUT.

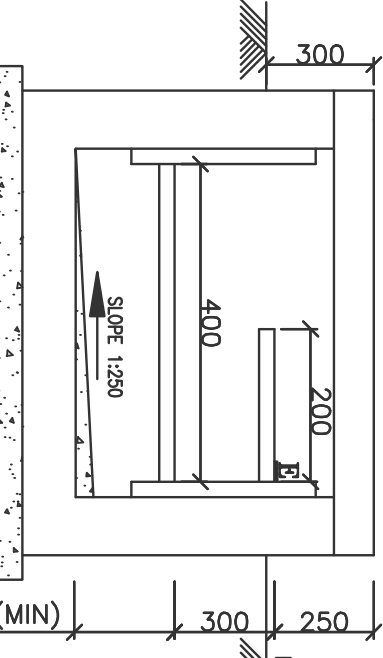
- 1 NO. 100MM DIA G.I. PIPE (FOR ISO MOVING/CT/B/CVT/48/1 NO. 50MM DIA G.I. PIPE (FOR ES MOVING) REFER PIPE DETAILS FOR ISOLATOR
- 1 NO. 100MM DIA G.I. PIPE.
- 2 NOS. 100MM DIA G.I. PIPE.
- 1 NO. 50MM DIA G.I. PIPES.
- 300P HOUE PIPE
- BOX CULVERT
- OPENING IN TRENCH FOR TAKING OUT GI PIPE



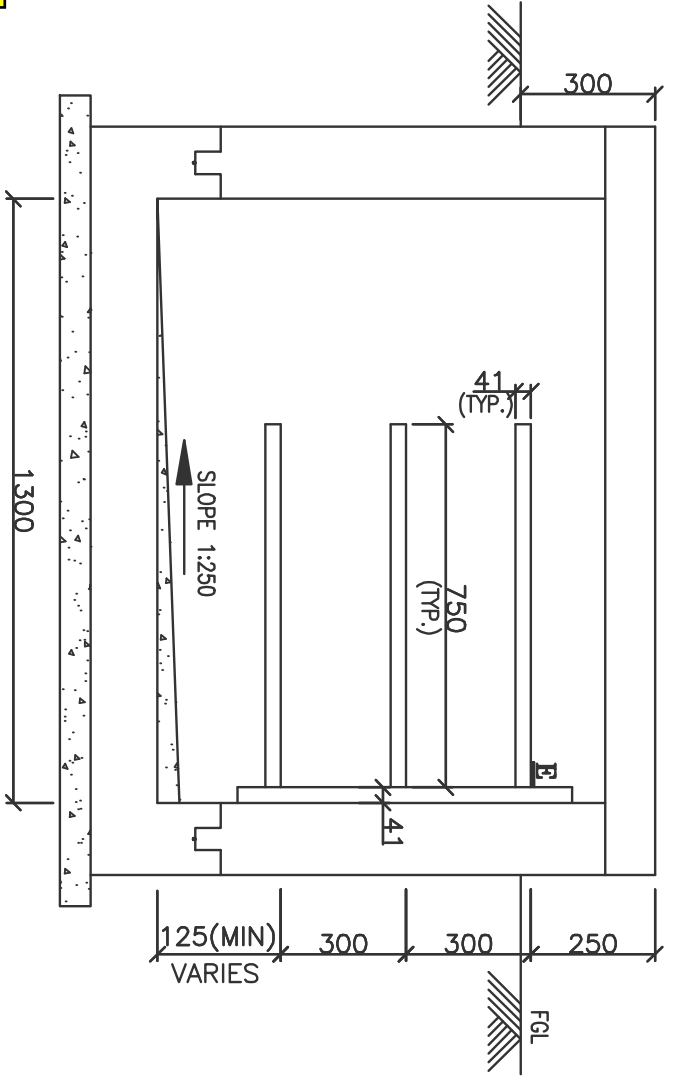
Trench Type TR-1 SECTION 1-1



Trench Type TR-3 SECTION 3-3

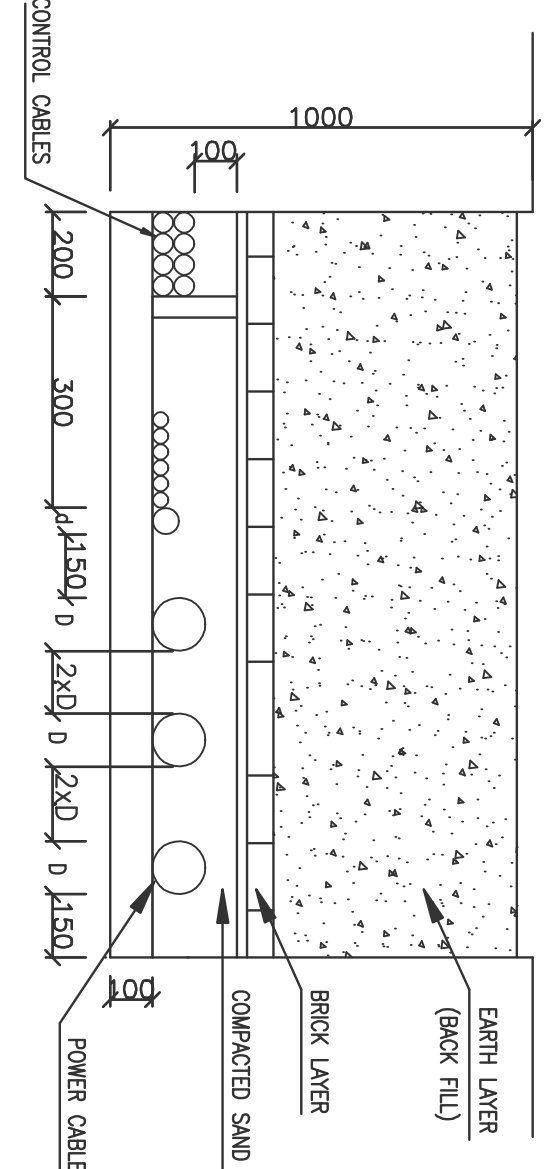


Trench Type TR-4 SECTION 4-4

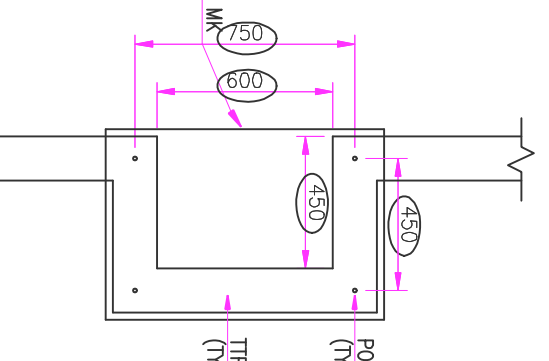


Trench Type TR-2 SECTION 2-2

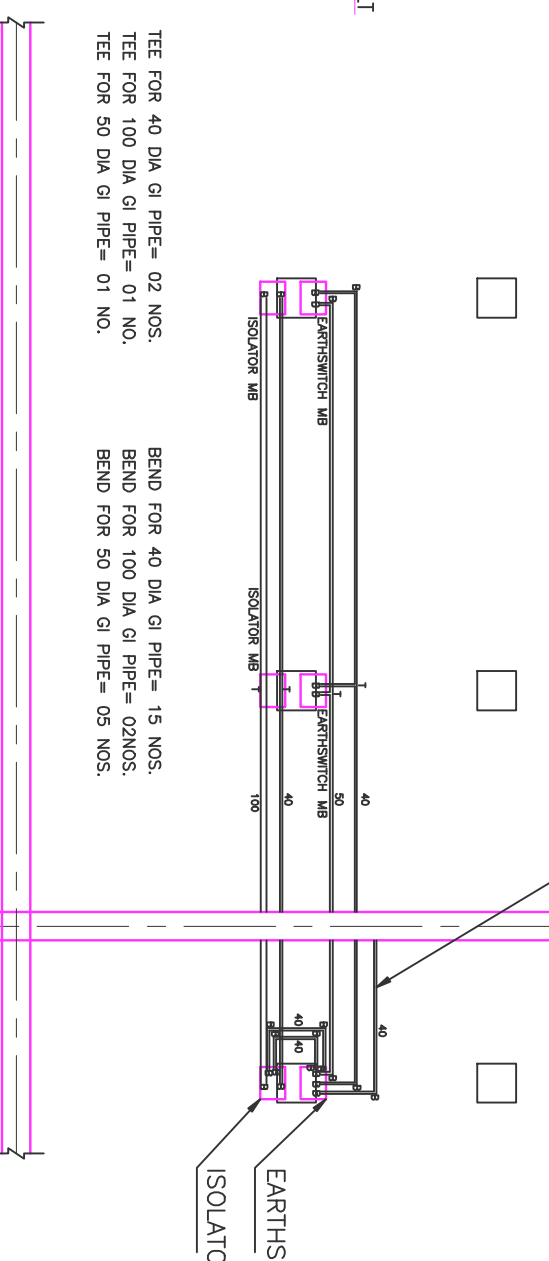
DETAIL SHOWING ROUTING OF CABLE INSIDE GI PIPE CABLE TRENCH TO EQUIPMENT



SECTION 4-4 TYPICAL BURIED CABLE TRENCH



DETAIL 'C' ON TRENCH



PIPE DETAILS FOR HYELM ISOLATOR

TB-DG-0-353-316-002	LAYOUT PLAN AND SECTIONAL ELEVATION OF 400 KV AND 132 KV SWITCHYARD
TB-DG-2-353-316-020	CABLE TRENCH LAYOUT OF CONTROL ROOM FOR 400KV SWITCHYARD
TB-DG-2-353-316-019	CONCEPTUAL CONTROL ROOM LAYOUT FOR 400KV SWITCHYARD
NTPC DRAWING NO. 9667-230-01TB-PYE-F-004	TITLE

OWNER :	THE SINGARENI COLIERIES COMPANY LTD.
CONSULTANT :	POWER PROJECT DIVISION
PROJECT :	SCCL COAL BASRD THERMAL POWER PLANT
PACKAGE :	BOILER TURBINE GENERATOR PACKAGE
CONTRACTOR :	BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION	NEW DELHI
DATE :	30.12.11
BY :	30.12.11
APPROVED :	30.12.11

W.O. No.	DEPT.	CODE
81009	TBEM	422
SHEET 1	OF 1	REV. 00

TITLE	FOUNDATION AND CABLE TRENCH LAYOUT OF 400/132KV SWITCHYARD
DRAWING NO.	TB-DG-0-353-316-004
SCALE	1:500
SIGN	
DATE	