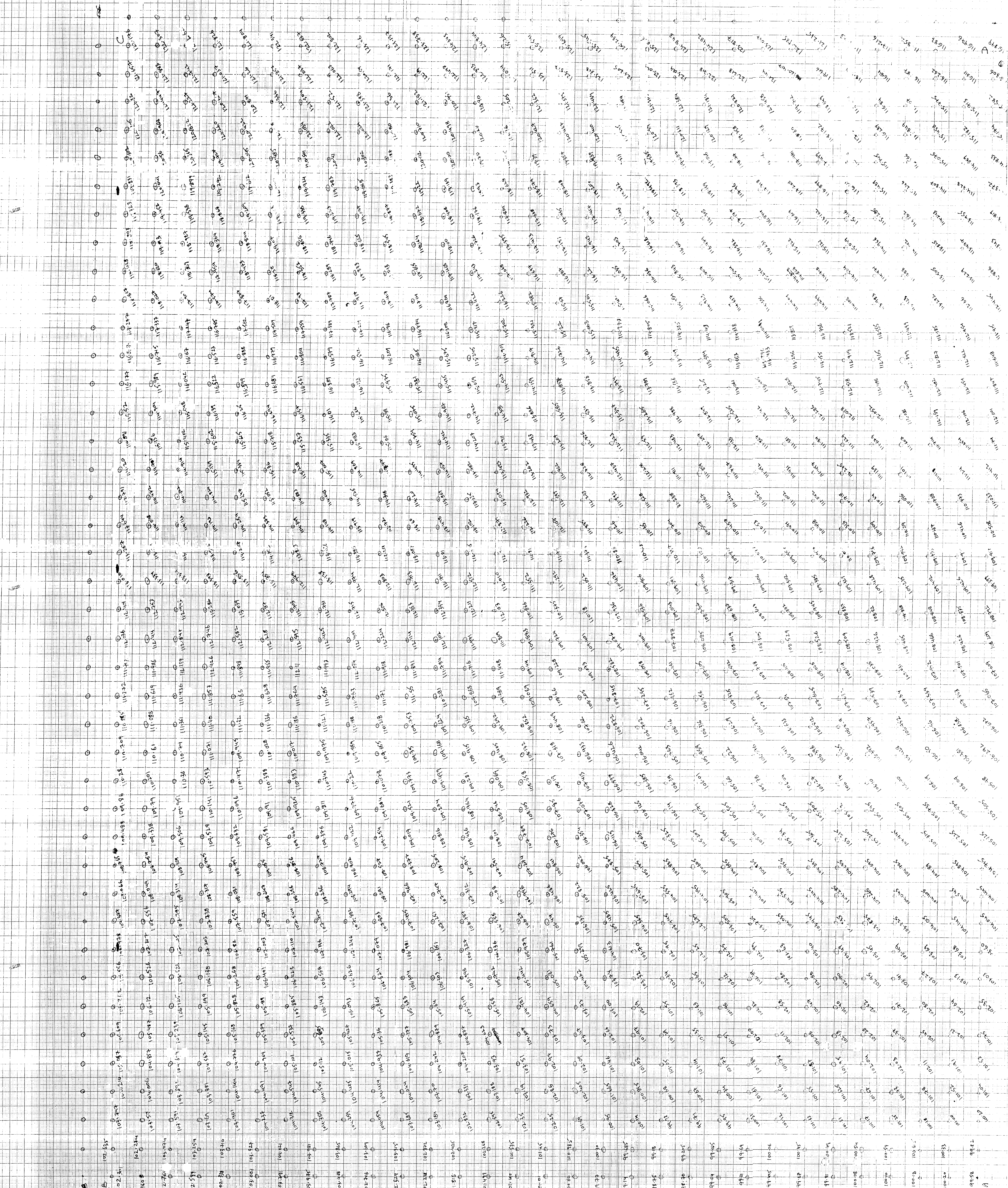
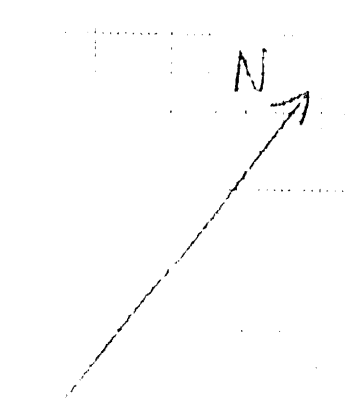


COUNTDOWN PLIN
OF
CHARIKAR
S/S
SCALE: 1:10000
100-2500




KASBI

NATIONAL HIGHWAY (INDICATIVE ONLY)

PUL-E-KHUMRI

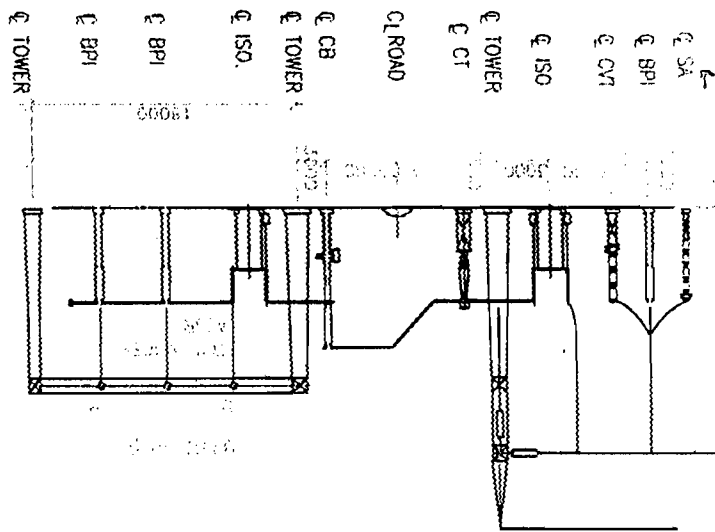
TRANSFORMATION LOG
(Indicative only)

0	REV	DRG. NO. C/ENG/DOSHI/LAY/01	SCALE NTS
TITLE : 220KV LAYOUT SECTION			
SUBSTATION : 220/20 KV DOSHI S/S			
PROJECT : CONSULTANCY SERVICES AFGHANISTAN			
<div>  <div> POWER GRID CORPORATION OF INDIA LIMITED (A GOVERNMENT OF INDIA ENTERPRISE) </div> </div>			

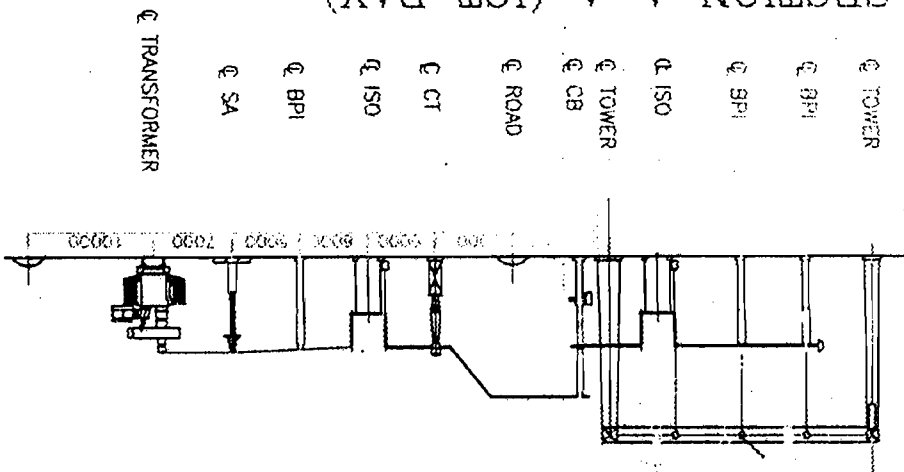
FOR TENDER PURPOSE ONLY

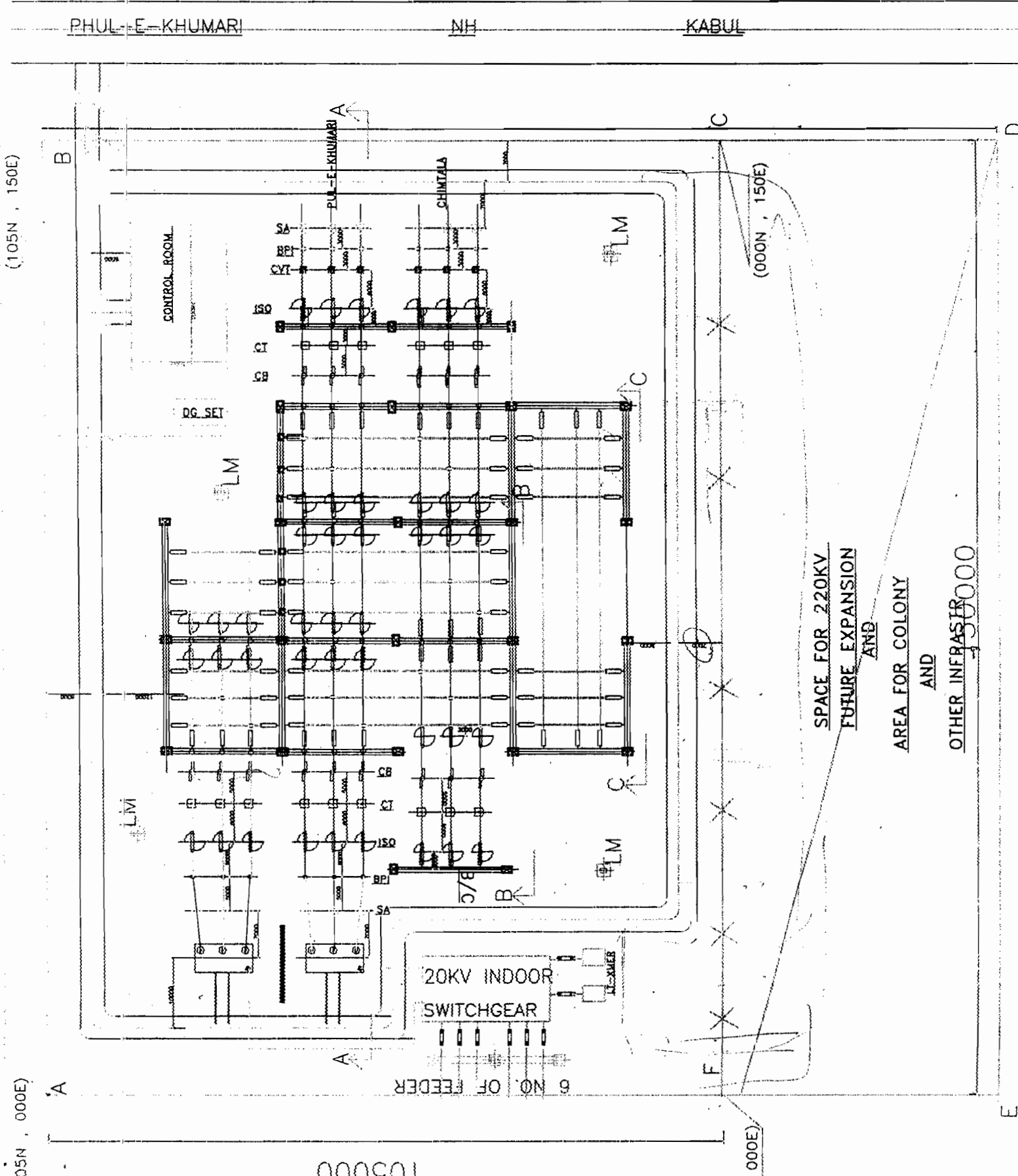
- NOTES:-
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
 2. EQUIPMENT BUS, MAIN BUS, TRANSFER BUS AND JACK BUS HEIGHT ARE FROM TOP OF PLINTH.
- PLINTH SHALL BE 300 MM ABOVE GROUND LEVEL

SECTION B-B (LINE BAY)



SECTION A-A (ICT BAY)





NOTE:-

1. ALL DIMENSIONS ARE IN METERS.
2. THE S/S BOUNDARY A B C D E F A IS BASED ON THE SKETCH SENT BY SITE.
3. THE PROPOSED S/S AREA TO BE LEVELLED AND EARTH MAT TO BE LAID IS A B C F A.
4. SIZES MARKED FOR CONTROL ROOM CUM ADMINISTRATIVE BUILDING F.F PUMP HOUSE, LT STN ARE INDICATIVE ONLY.
5. DESTINATION OF FEEDERS MARKED AS FUTURE ARE INDICATIVE ONLY.
6. LOCATIONS OF ROADS, RAIL TRACKS INSIDE THE SUB STATION ARE TENTATIVE AND SHALL BE FINALISED DURING DETAILED ENGG.
7. TRANSMISSION LINE TOWERS INSIDE S/S SHALL BE LOCATED WITH AFTER THE CLEARANCE OF CORPORATE ENGG.
8. NUMBER AND LOCATION OF LIGHTNING MASTS ARE INDICATIVE AND SHALL BE FINALISED DURING DETAILED ENGINEERING
9. ALIGNMENT OF APPROACH ROAD AND APPROACH ROAD FROM HIGHWAY TO SITE ARE IN SCOPE OF SUBSTATION CONTRACTOR

CONCRETE ROAD 3.75 M WIDE
FENCE
STRUCTURE UNDER PRESENT SCOPE

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT : AFGHANISTAN CONSULTANCY SERVICES

TITLE : TITLE LAYOUT PLAN - 220/20 KV CHARIKAR SUBSTATION

DESIGNED BY : C/ENGG/CHARIKAR/LAY/01

DRAWN BY : ABHISHEK

SCALE : 1:1

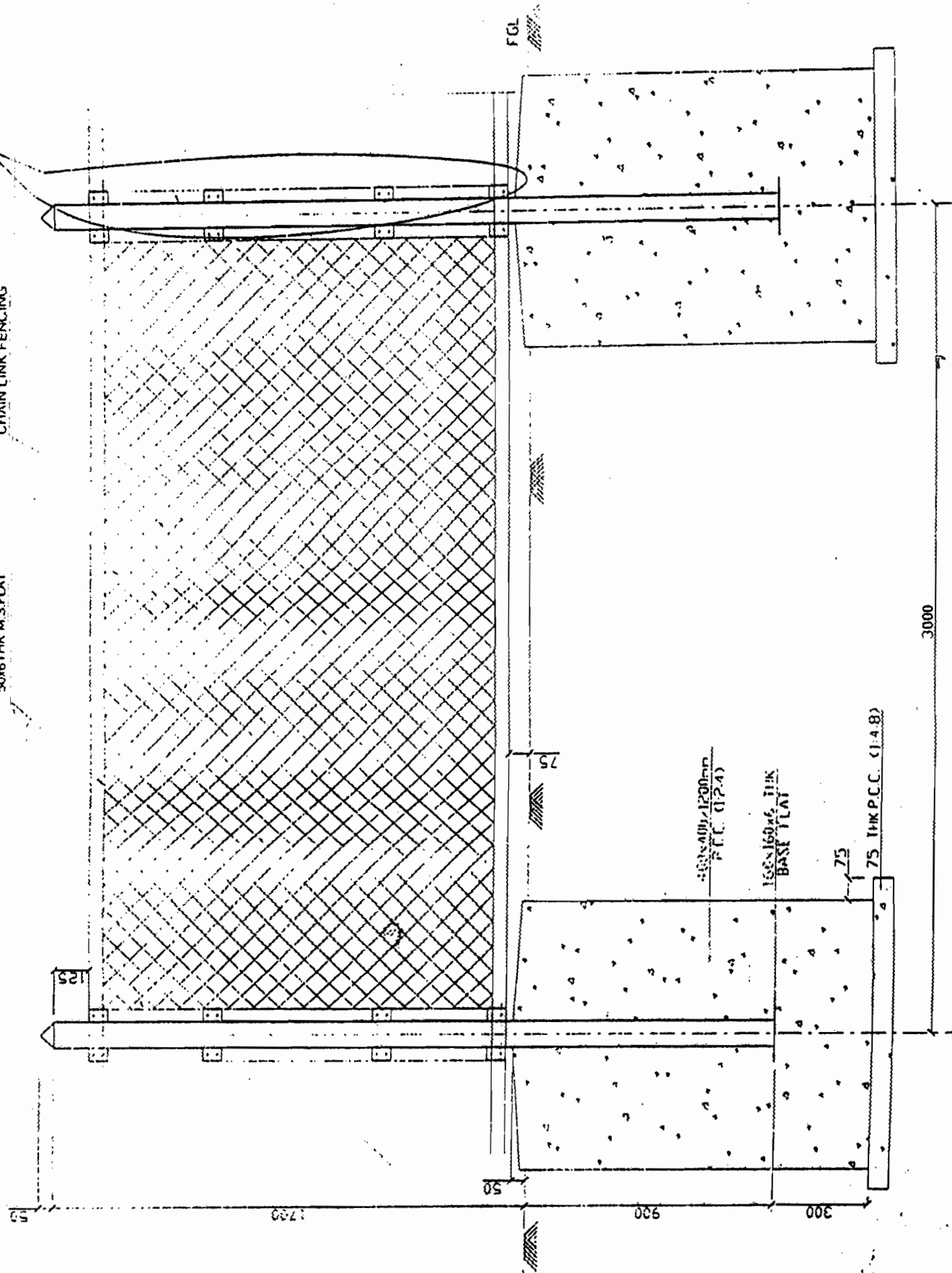
DATE : 00

DESCRIPTION	DGM (ENGG-S/S)	ACM (ENGG-S/S)	DGM (ENGG-CIVIL)	ACM (ENGG-T/L & CIVIL)	GM (ENGG-T/L)	GM (ENGG-S/S)	ED (ENGG.)	APPROVED BY

DETAIL 'A'

CHAIN LINK FENCING

50x6 THK M.S. PLAT

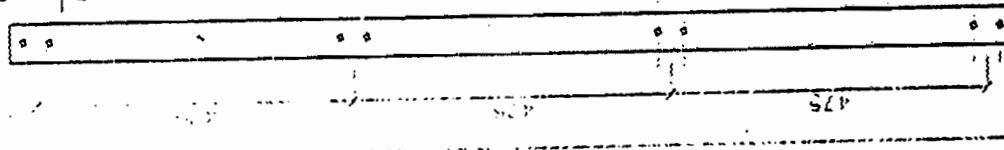


3000

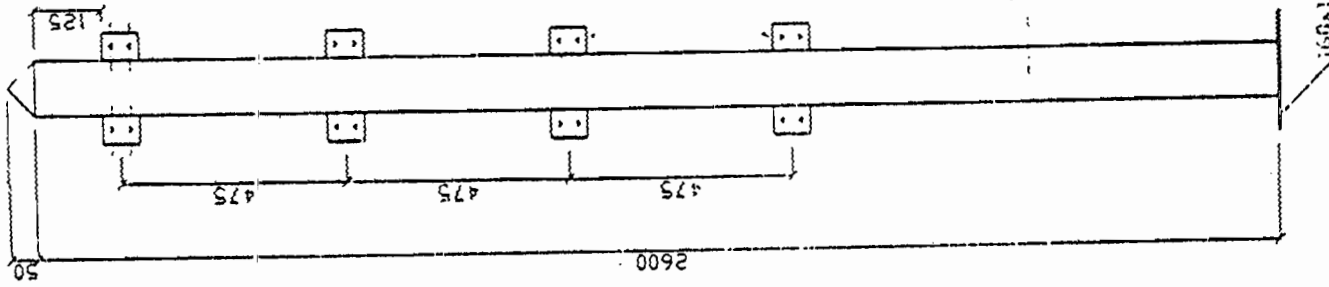
TYPICAL ELEVATION OF SWITCHYARD FENCING

DETAIL VERTICAL M.S. FLAT

12x134x12



DETAIL OF TUBULAR POST



NOTES:

1. 1000 SHALL DENOTE SWITCHYARD FINISHED FORMATION LEVEL
2. CHAIN LINK FENCING SHALL HAVE 3.15 mm DIAMETER WIRE AS PER IS 2721 WITH 75x75 mm MESH SIZE AND PAINTED
3. TUBULAR POST SHALL BE PLACED @ 3.0m CENTRE TO CENTRE AND SHALL REST IN WELL COMPACTED EARTH
4. CORNER TUBULAR POST SHALL BE PROVIDED CLEATS IN FOUR SIDES SUITING TO REQUIREMENT
5. TUBES/PIPES OF POST SHALL BE GALVANIZED
6. CONCRETE GRADE FOR P.C.C. SHALL CONFORM IS 456, LATEST
7. EXPOSED SURFACE OF CONCRETE PAD (P.C.C.) SHALL BE PLASTERED WITH 12mm THICK CEMENT PLASTER (1:6)

APPROVED BY ED (ENGG) ON 02.05.2005 VIDE NOTE
SHEET REF. NO. CI/ENGG/CIV/SID-S/S DTD 30.03.2005

RELEASED FOR TENDER & CONSTRUCTION



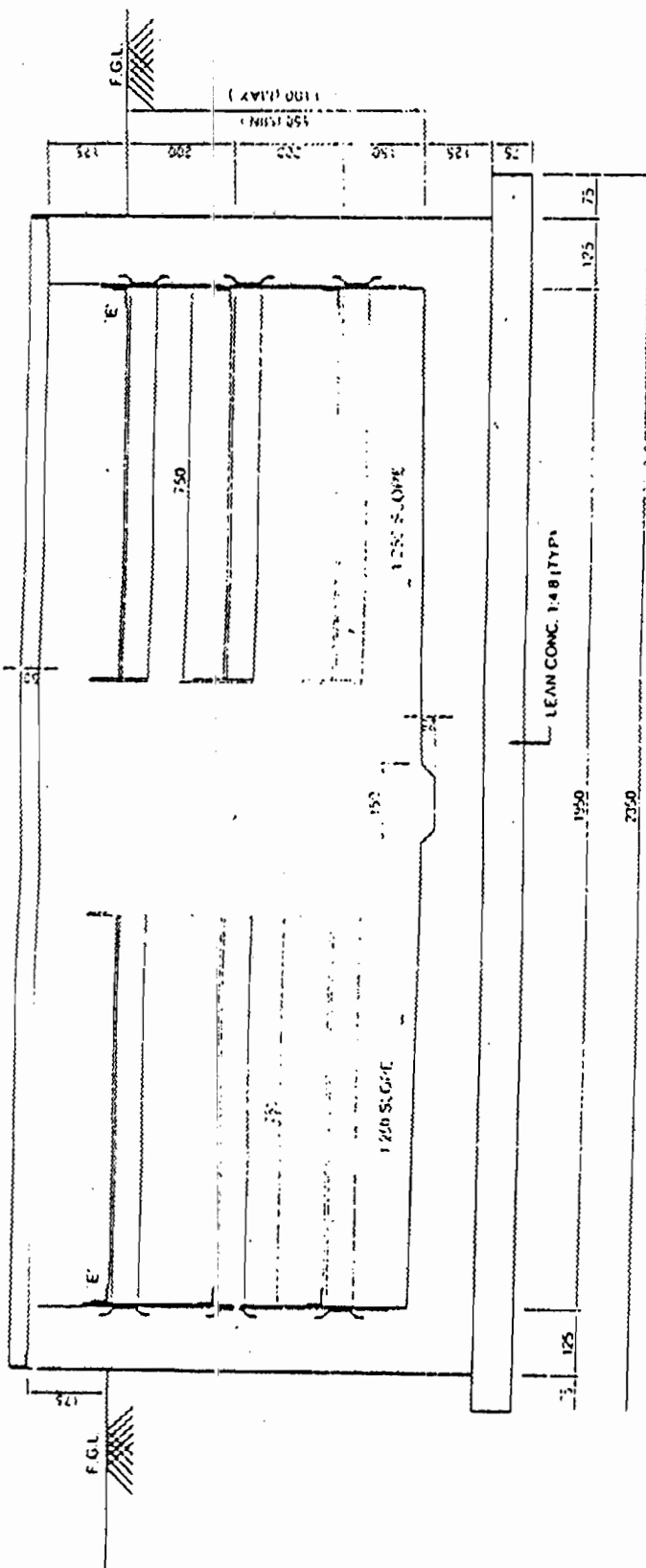
POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT: STANDARD DRAWING FOR
FENCING

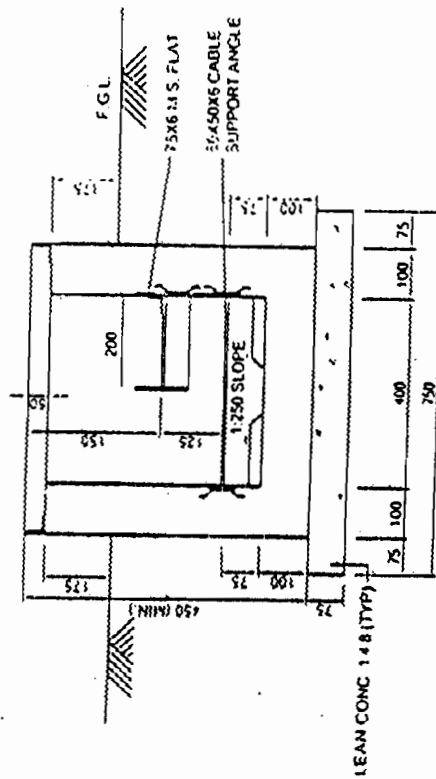
TITLE: STANDARD DETAILS FOR SWITCH YARD
CHAIN LINK FENCING

SCALE: NTS
DRAWING NO. CI/ENGG/CIV/SID-S/S DTD 30.03.2005
REV: R-0

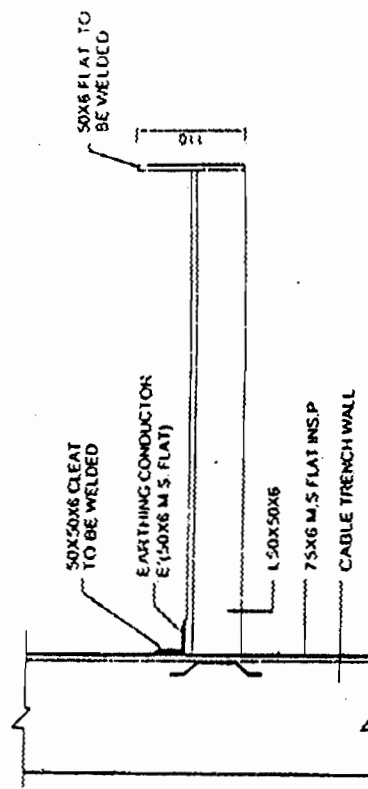
ACOE(ENGG-CIVIL)	CDE(ENGG-CIVIL)	DGME(ENGG-CIVIL)	AGME(ENGG-TUCVIL)	GM(ENGG-S/S)	GM(ENGG-TUCVIL)	ED(ENGG)	DATE



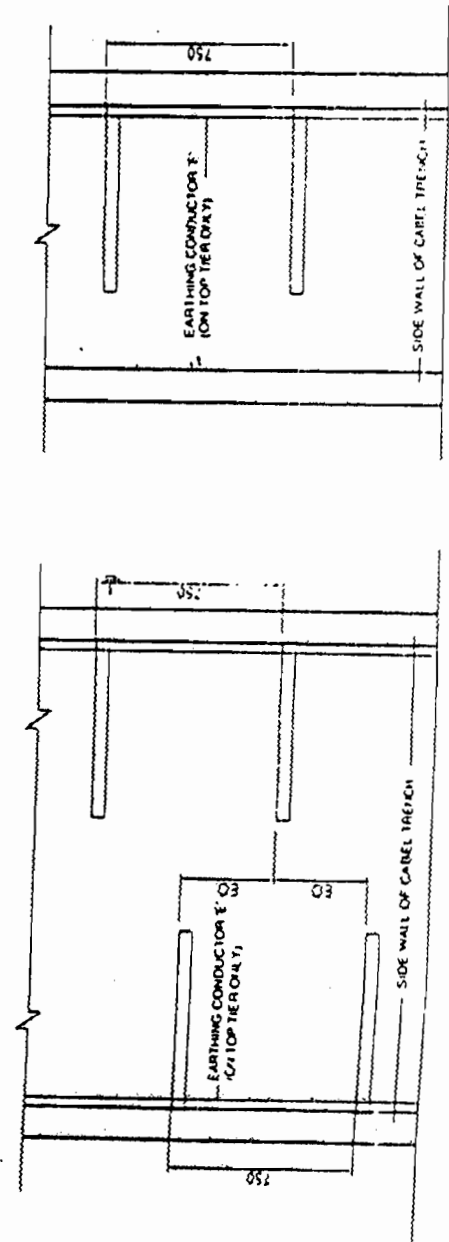
SECTION 1-1



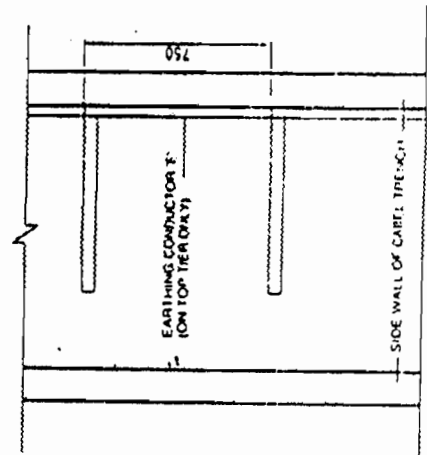
SECTION 4-4



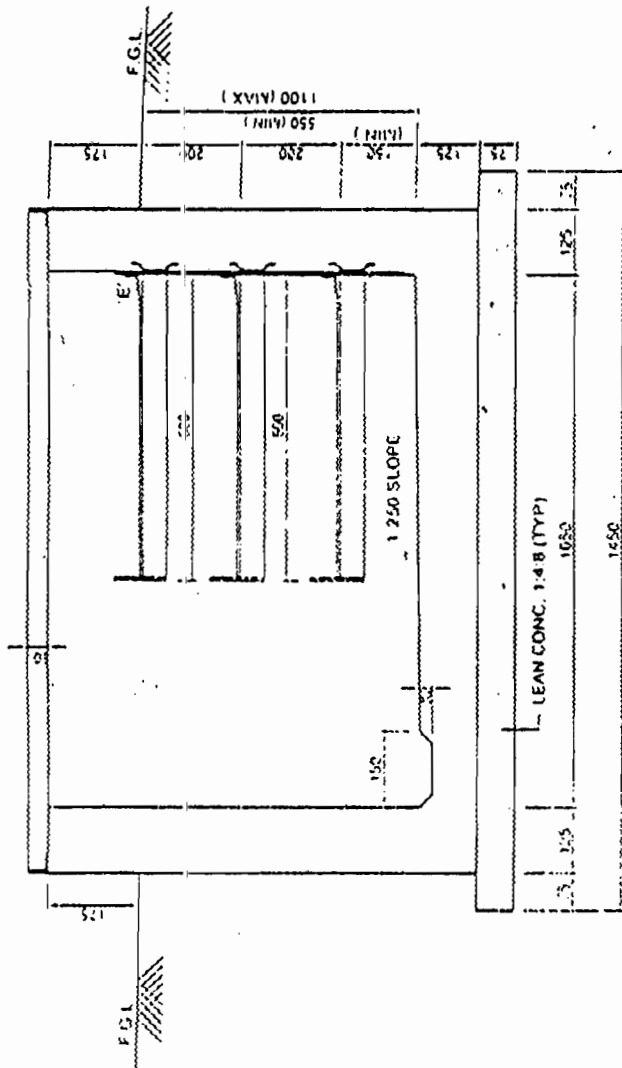
TYPICAL CABLE SUPPORT



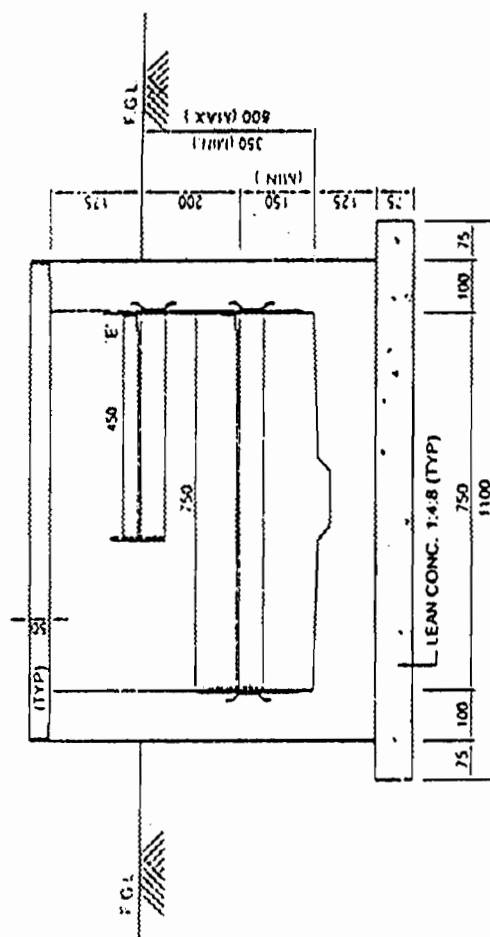
PLAN
CABLE TRAY SUPPORT FOR SECTION 1-1



PLAN
CABLE TRAY SUPPORT FOR
SECTION 2-2 & 3-3



SECTION 2-2



SECTION 3-3

APPROVED BY ED (ENGG) ON 02.05.2005 WIDE NOTE
SHEET REF. NO. C/ENGG/KN/SID-SSS DTD 30.03.2005

POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT
STANDARD DRAWING FOR
CABLE TRENCH

TITLE
DETAIL FOR CABLE
TRENCH SECTIONS

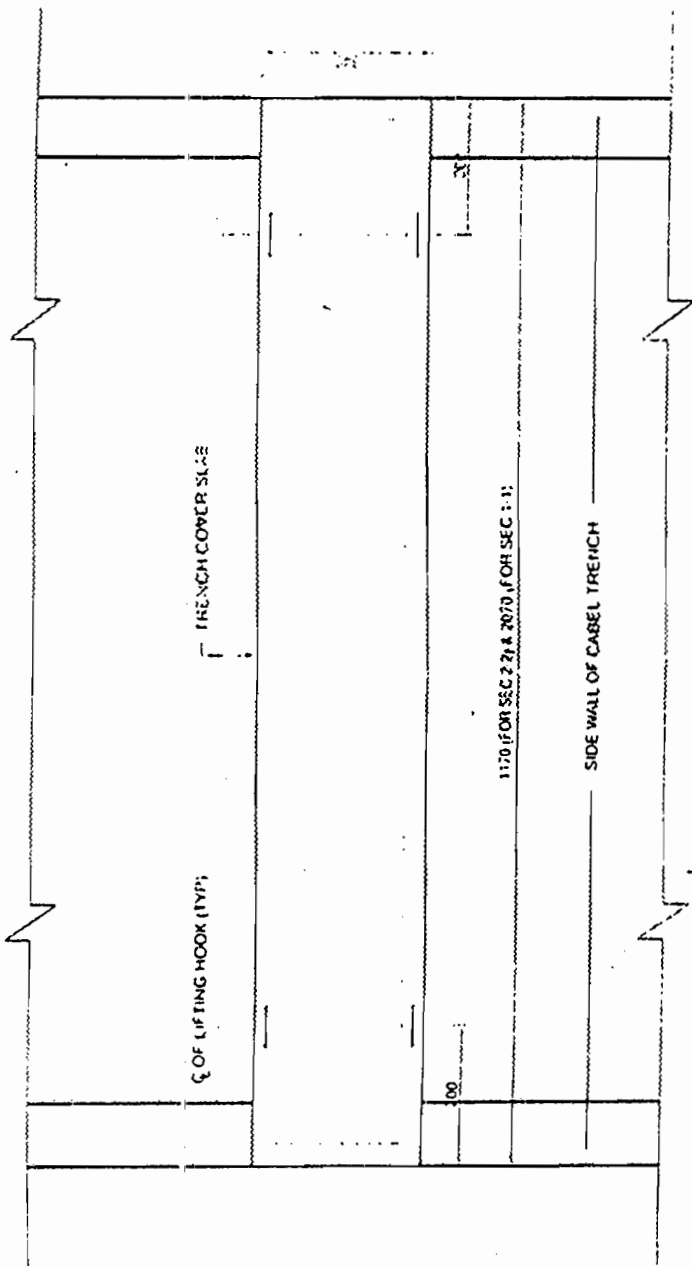
SCALE
NTS

DRAWING NO. C/ENGG/STD/CT-

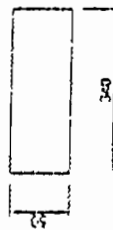
REV
P-0

NO.	RELEASED FOR	DATE	APPROVED BY	CHECKED BY	DATE
1	0				

F-X



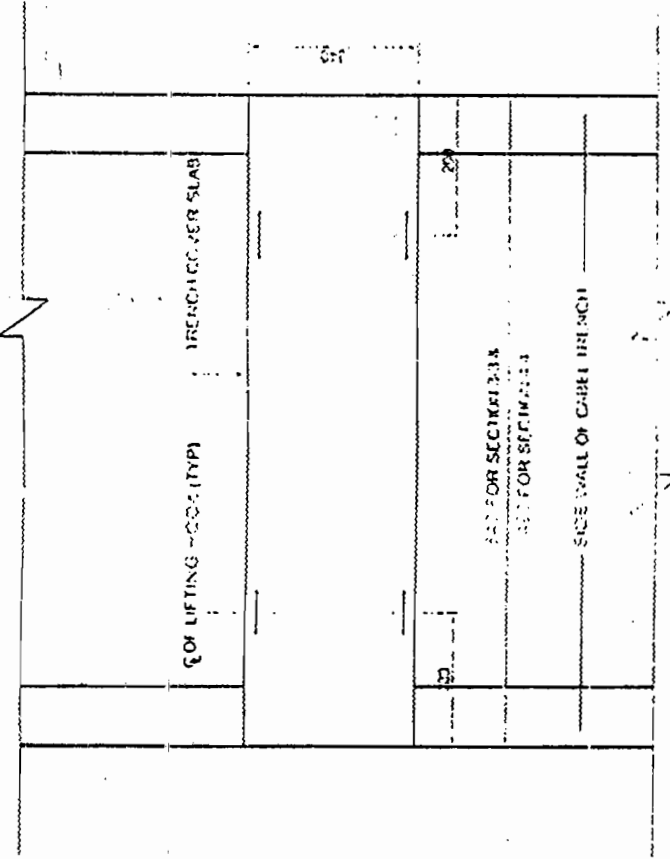
DETAIL OF TRENCH COVER SLAB
FOR SECTION (1-1) & (2-2)



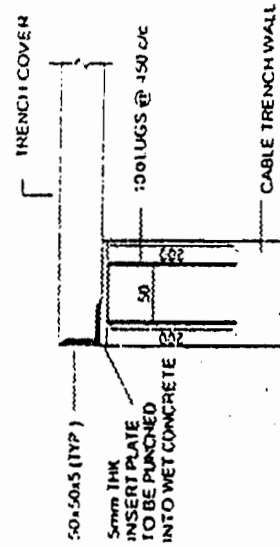
SECTION X-X

- NOTE:
1. ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE SPECIFIED.
 2. DO NOT SCALE THE DRG. FOLLOW WRITTEN DIMENSION ONLY.
 3. R.C.C. MIX SHALL BE 1:1.5:3 (CEMENT:1.5 COARSE SAND:3 STONE AGGREGATE) 20MM NOMINAL SIZE.
 4. LEAN CONC. SHALL BE 1:4:8.
 5. CLEAR COVER FOR BOTTOM SLAB REIN. ON TOP SIDE IS 25mm.
 6. LIFTING HOOK ARE TO BE PROVIDED IN EVERY TENTH SLAB.
 7. NECESSARY OPENING SHALL BE PROVIDED AT APPROPRIATE LOCATION TO TAKE OUT CABLES.
 8. FOR ACTUAL DEPTH OF TRENCHES REFER CABLE TRENCH LAYOUT.
 9. F.G.L. DENOTES FINISHED GRADED LEVEL (FORMATION LEVEL).
 10. F.G.L. TO BE TAKEN FROM LAYOUT DRG.
 11. A SLOPE OF 1:250 SHALL BE GIVEN IN THE DIRECTION PERPENDICULAR TO THE RUN OF THE TRENCH FOR ALL SECTIONS.
 12. ALL CABLE TRENCHES SHALL BE GIVEN A SLOPE OF 1:1000 IN THE DIRECTION OF MAIN RUN AWAY FROM THE BLDG.
 13. EARTHING CONDUCTOR 'E' 20X8 M.S. FLAT WOULD BE WELDED ON THE CABLE SUPPORTING STRUCTURES BEFORE INSTALLATION OF CABLE.
 14. ALL STEEL STRUCTURE PLATES WOULD BE PAINTED WITH NON CORROSIVE PAINT ON A SUITABLE PRIMER BEFORE INSTALLATION OF CABLES. EARTHING CONDUCTOR WOULD HAVE RED PAINT.
 15. TRENCH WALL SHALL CLEAR THE EQUIPMENT FOUNDATION BY 100mm (MINIMUM).
 16. NECESSARY CONSTRUCTION JOINT SHALL BE PROVIDED AT EVERY 30M. MIN OR AS PER SITE REQUIREMENT.
 17. 40mm CLEAR COVER FOR WALL AND BOTTOM SLAB REINFORCEMENT WHICH IS TOWARDS EARTH SIDE SHALL BE PROVIDED.
 18. ALL SUPPORT ANGLE SHALL BE L50X50X6.
 19. ANCHORING FLAT (75X6mm) SHALL BE PROVIDED AT EACH SUPPORT ANGLE POINT.
 20. EARTHING CONDUCTOR AND 'E' SHALL BE PROVIDED ON THE TOP TIER OF EACH CABLE TRENCH SECTIONS.
 21. TRENCH WALL SHALL CLEAR THE TOWER FOUNDATION BY 1000mm (MIN.)

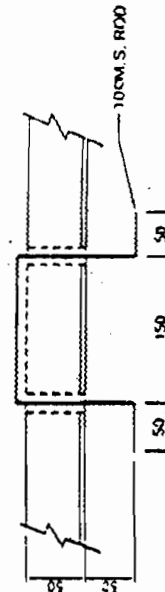
TYPICAL DETAIL OF ANCHORING
75X6 M.S. FLAT



DETAIL OF TRENCH COVER SLAB
FOR SECTION (3-3) & (4-4)



TYPICAL DETAIL OF
SLAB SUPPORT



DETAIL OF LIFTING HOOK
FOR SECTION 1-1 & 2-2

APPROVED BY ED (ENGG) ON 07.05.2005 WIDE NOTE
SHEET REF. NO. C/ENGG/ACIV/S&S DTD 30.03.2005



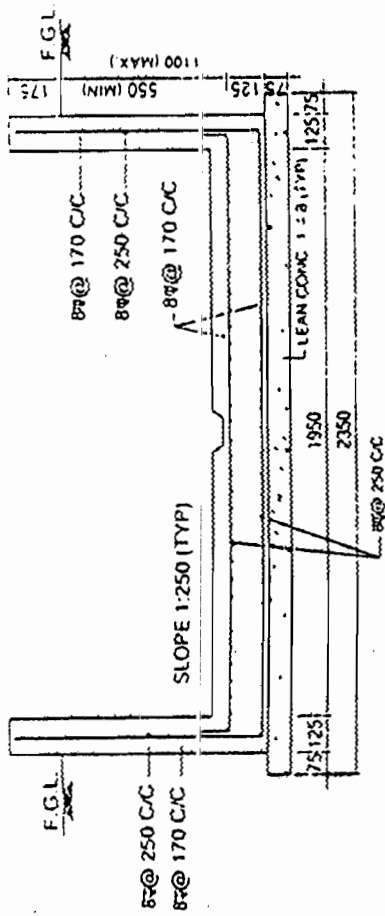
POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)

STANDARD DRAWING FOR
CABLE TRENCH

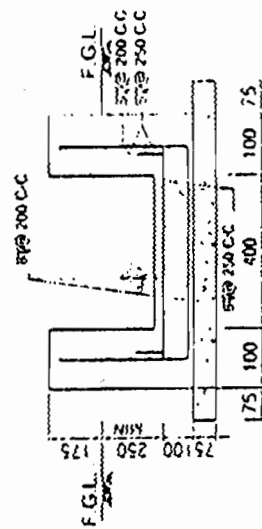
DETAIL FOR CABLE
TRENCH SECTIONS

PROJECT: C/ENGG/STD, CT-1
DRAWING NO: P-0

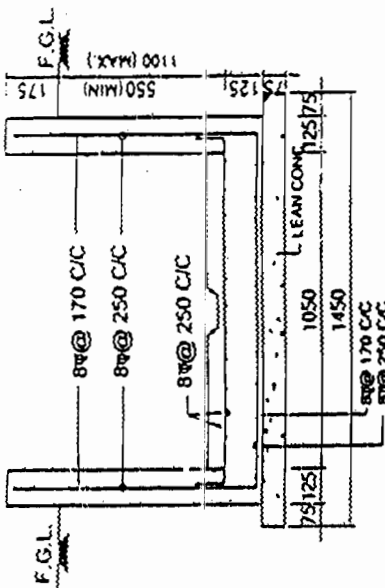
REV	DESCRIPTION	DATE	BY	CHKD	APPD
1	RELEASED FOR TENDER & CONSTRUCTION				



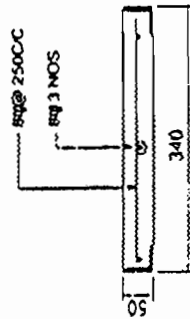
SECTION 1-1



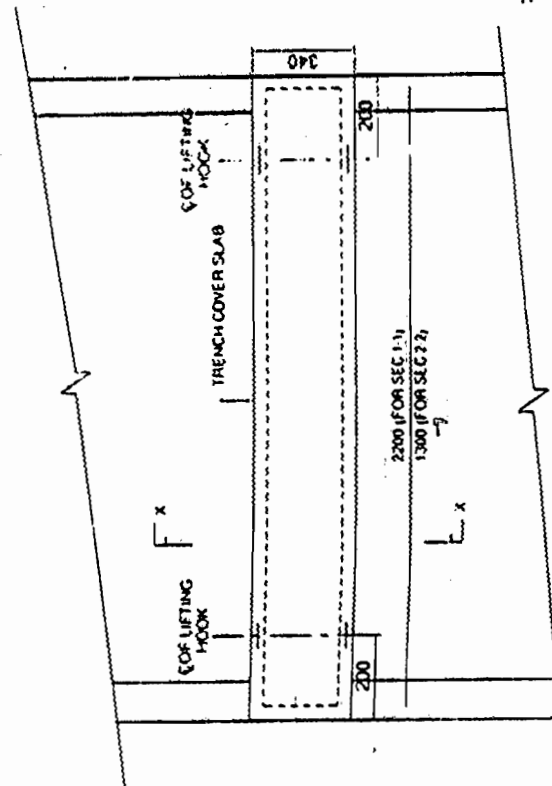
SECTION 4-4



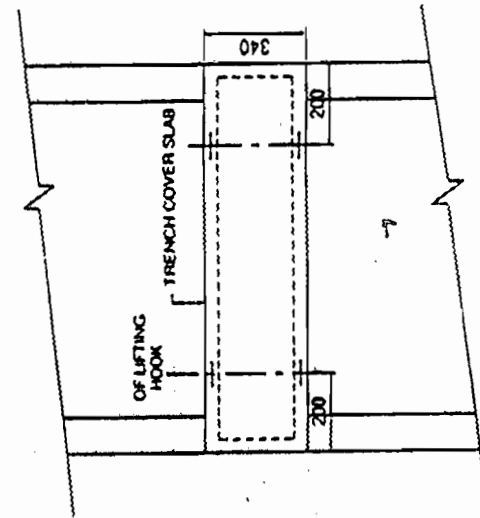
SECTION 2-2



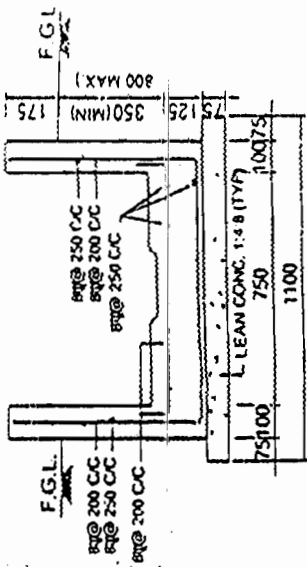
SECTION X-X



PLAN
(DETAIL OF TRENCH COVER
FOR SECTION 1-1 & 2-2)



(DETAIL OF TRENCH COVER
FOR SECTION 3-3 & 4-4)



SECTION 3-3

NOTE:

1. ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.
2. R.C.C. MIX SHOULD BE 1:1.5:3 (1 CEMENT: 1.5 COARSE SAND: 3 STONE AGGREGATE 20mm NOMINAL SIZE.)
3. LEAN CONC. SHALL BE IN THE RATIO 1:4:8.
4. FOR ALL OTHER NOTES REF. DRG. No. C/ENGG/STD/CT-1 (SHEET-2)

APPROVED BY ED (ENGG) ON 02.05.2005 VIDE NOTE
SHEET REF. NO. C/ENGG/CN/Std-S/S DTD 30.03.2005

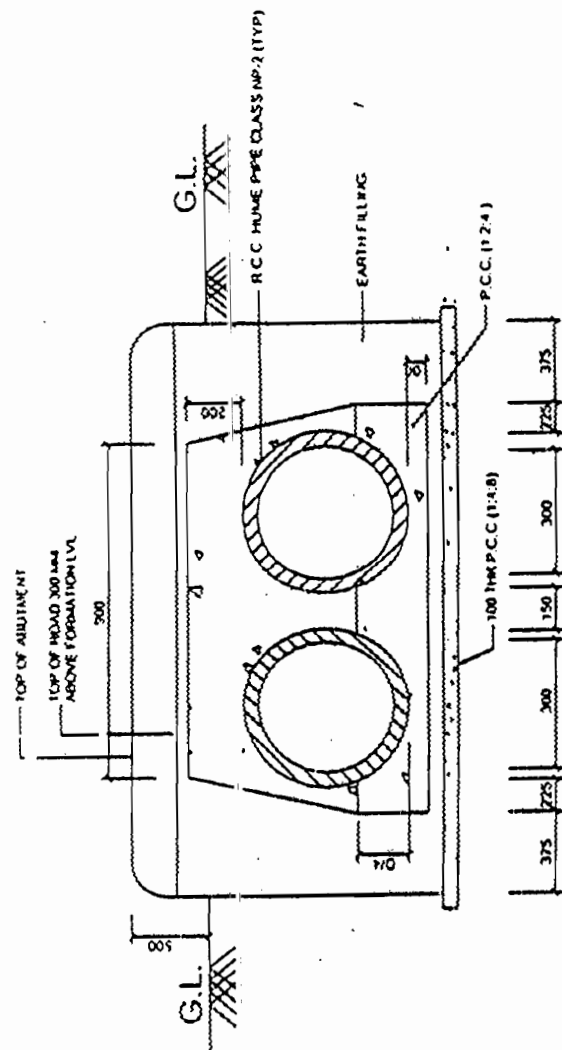
POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT: STANDARD DRAWING FOR
CABLE TRENCH

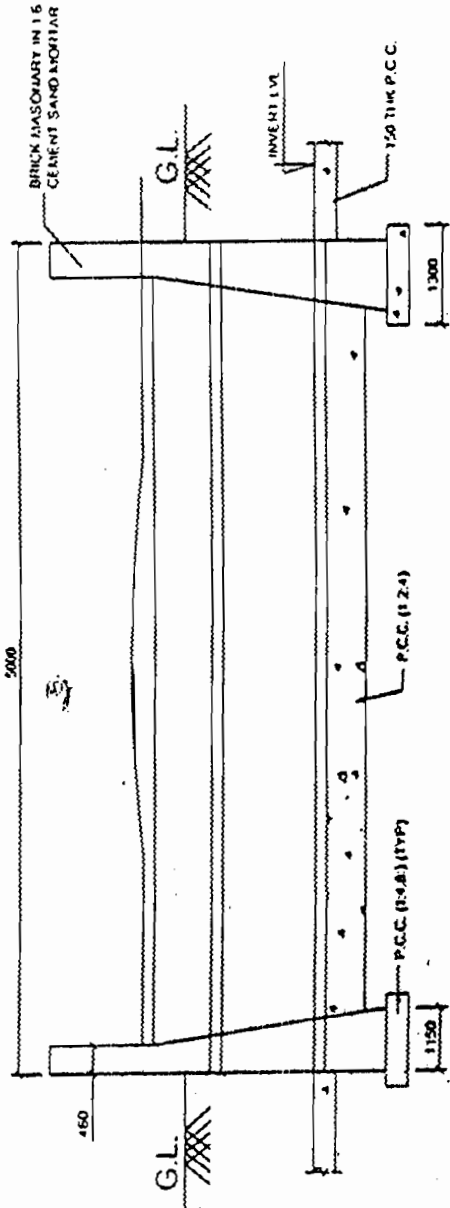
TITLE: R.C.C. DETAIL FOR CABLE
TRENCH SECTIONS.

SCALE: NTS DRAWING NO: C/ENGG/STD/CT-2

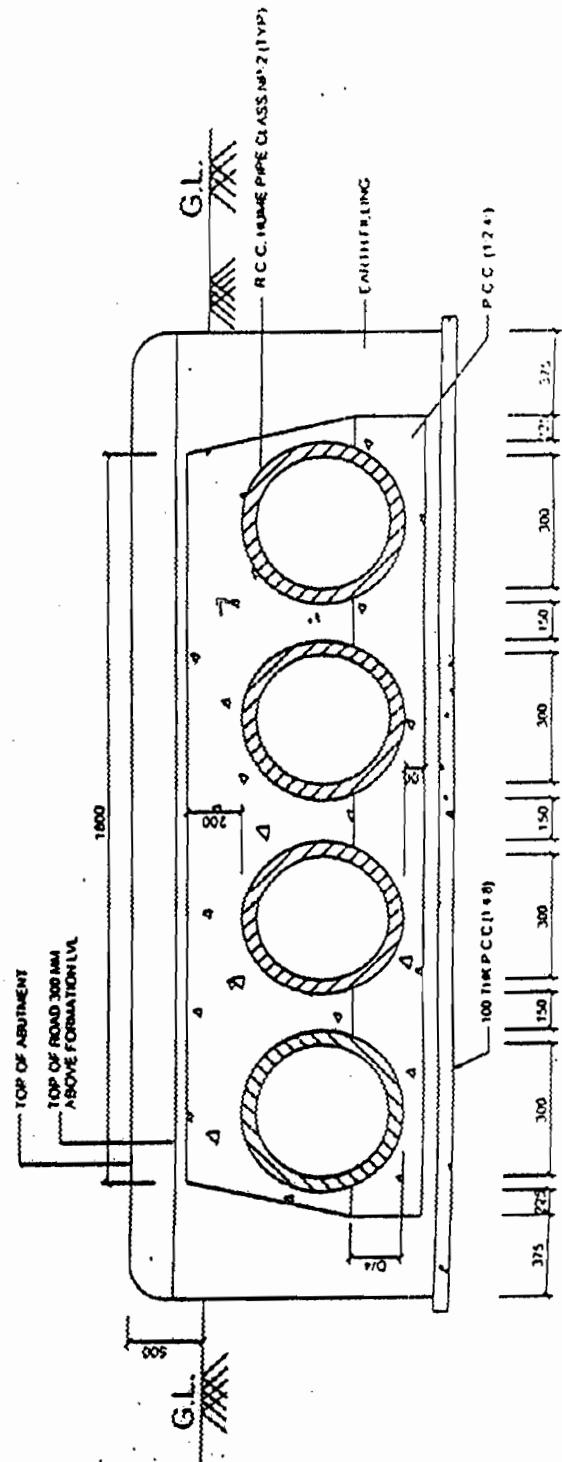
REV: R-0



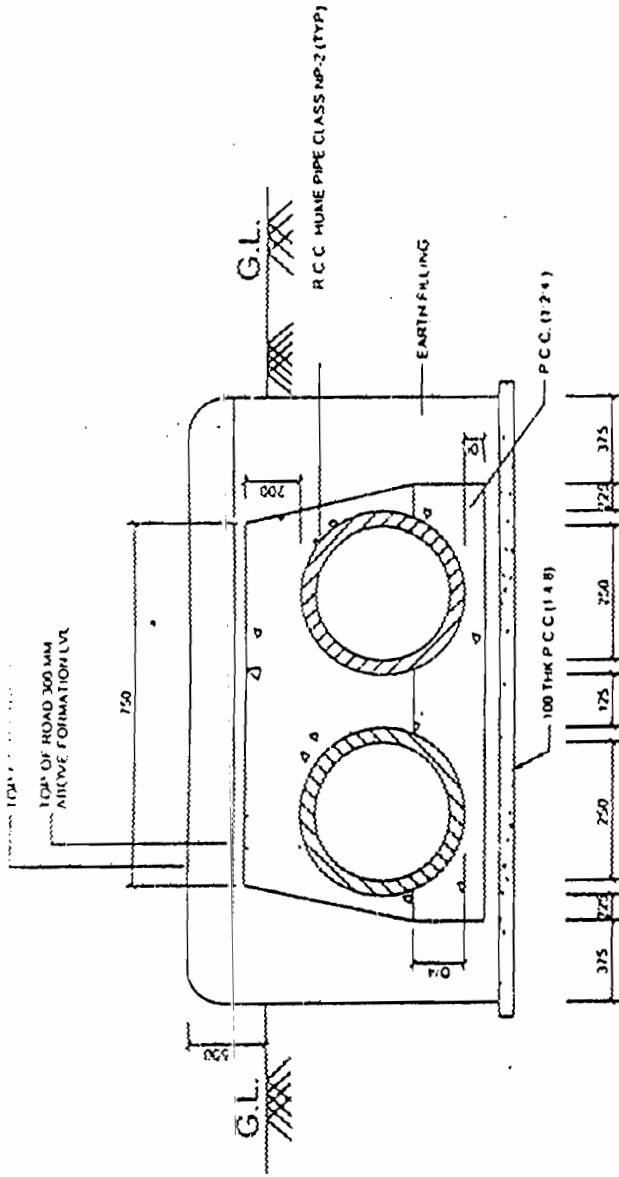
CABLE TRENCH SECTION 2-2 CROSSING ROAD



LONGITUDINAL SECTION THROUGH CABLE TRENCH CROSSING ROAD



CABLE TRENCH SECTION 1-1 CROSSING ROAD



CABLE TRENCH SECTION 3-3 CROSSING ROAD

NOTES:-

1. ALL DIMENSIONS ARE IN MM
2. DO NOT SCALE THE DRG.
3. RCC HUME PIPE SHALL BE OF GRADE NP3
4. CLASS 75 BRICKS SHALL BE USED.
5. CONCRETE MIX USE FOR COVERING RCC PIPE SHALL BE 1:2:4
(1 CEMENT: 2 COURSE SAND: 4 STONE AGGREGATE OF 20 MM NOMINAL SIZE);
(1 CEMENT: 4 COURSE SAND: 8 STONE AGGREGATE OF 40 MM NOMINAL SIZE).
6. ALL IN CONCRETE SHALL BE 1:4:8
(1 CEMENT: 4 COURSE SAND: 8 STONE AGGREGATE OF 40 MM NOMINAL SIZE).
7. BRICK MASSONARY SHALL BE DONE USING CEMENT MORTAR
(1 CEMENT: 6 FINE SAND)

APPROVED BY ED (ENGG) ON 02.05.2005 VIDE NOTE
SHEET REF NO. C/ENGG/CIV/SID-S/S DTD 30.03.2005

POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT
STANDARD DRAWING FOR
CABLE TRENCH

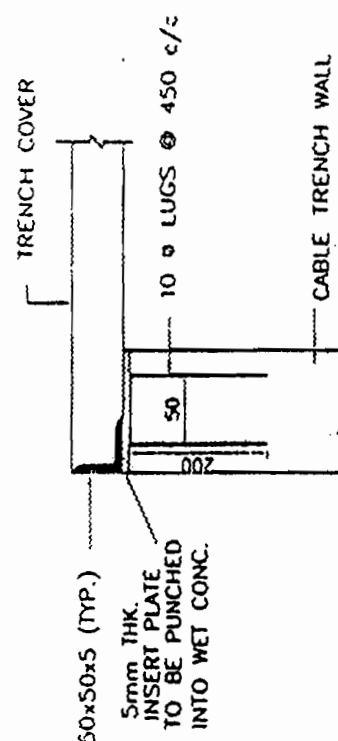
TITLE
DETAIL OF CABLE TRENCH CROSSING

SCALE
NTS

DRAWING NO
C/ENGG/STD/CT-4

REV
R-0

£ OF SUMP PIT



TYPICAL DETAIL OF
SLAB SUPPORT

NOTE:

1. ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.
2. R.C.C. MIX SHOULD BE 1:1.5:3 (1 CEMENT: 1.5 COARSE SAND:3 STONE AGGREGATE 20mm NOMINAL SIZE.)
3. LEAN CONC. SHALL BE IN THE RATIO 1:4:8.
(1 CEMENT:4 COARSE SAND: 8STONE AGGREGATE 40MM NOMINAL SIZE)
4. FOR ALL OTHER NOTES REF. DRG. No. C/ENGG/STD/CI-1(SHEET-2)



**POWER GRID CORPORATION
OF INDIA LIMITED**
(A Government of India Enterprise)

STANDARD DRAWING FOR
CABLE TRENCH

C.A. & R.C.C. DETAILS OF 5"VP PIT

457

C/ENGG/STU/CT-3

11-11-68

CLEARFHY

Received 1997-07-22

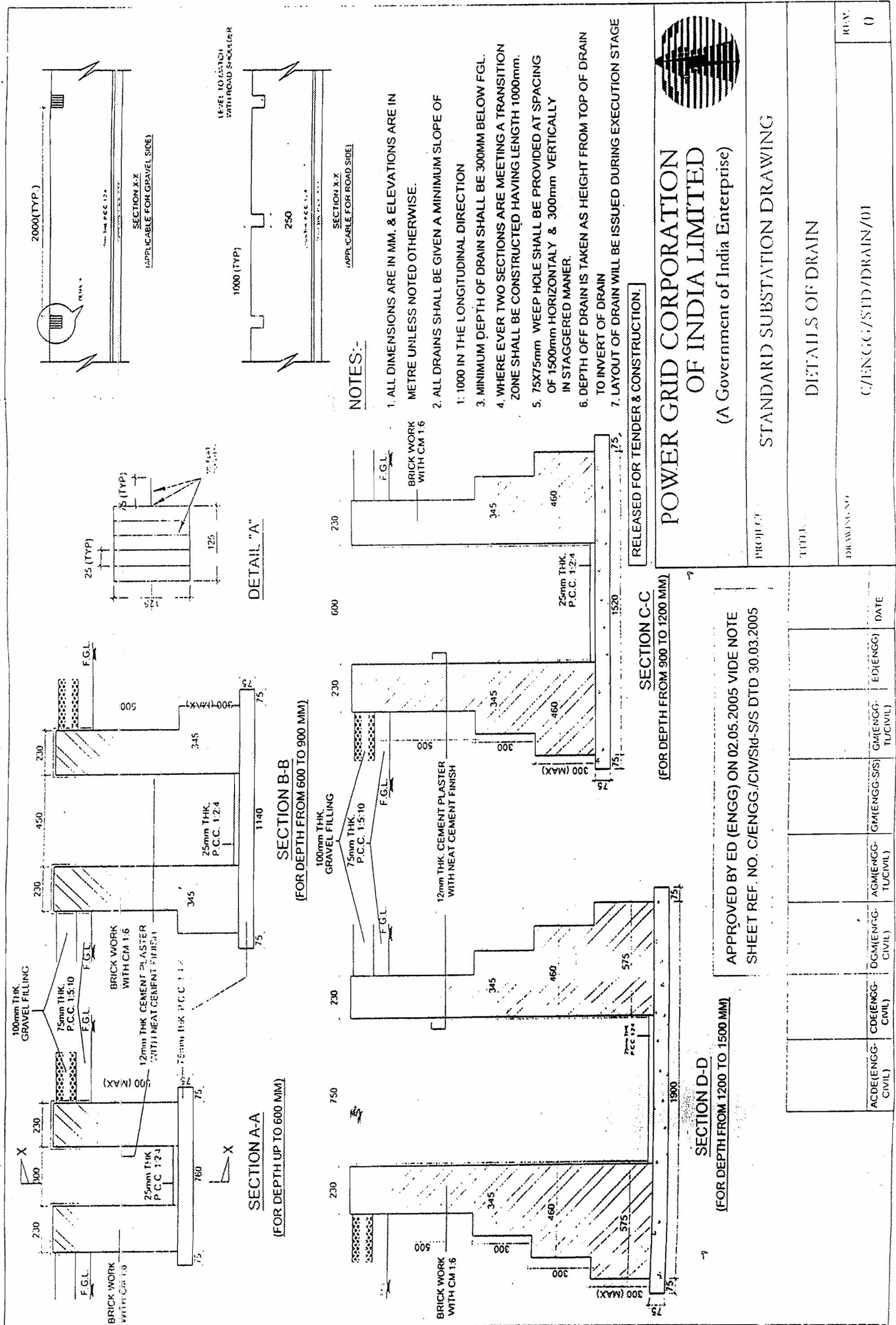
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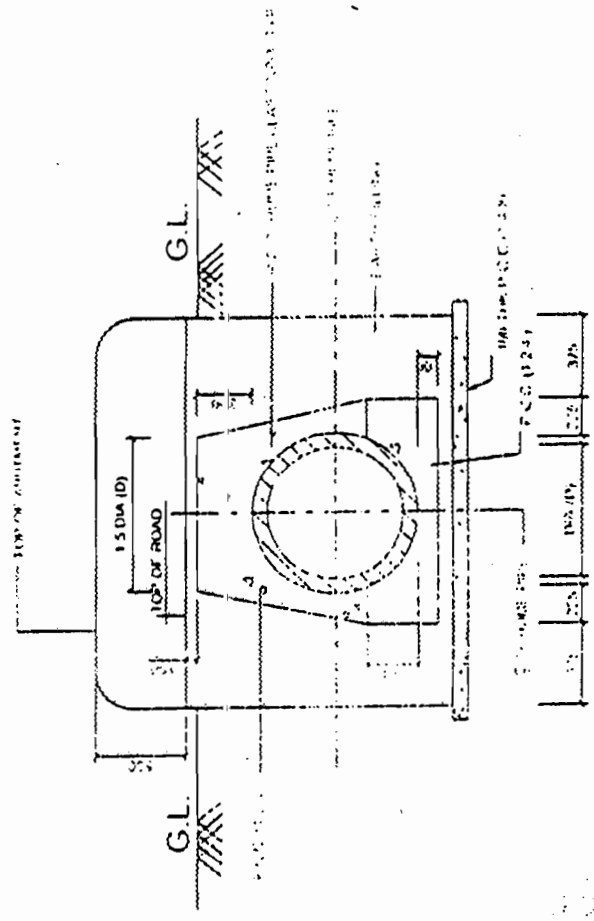
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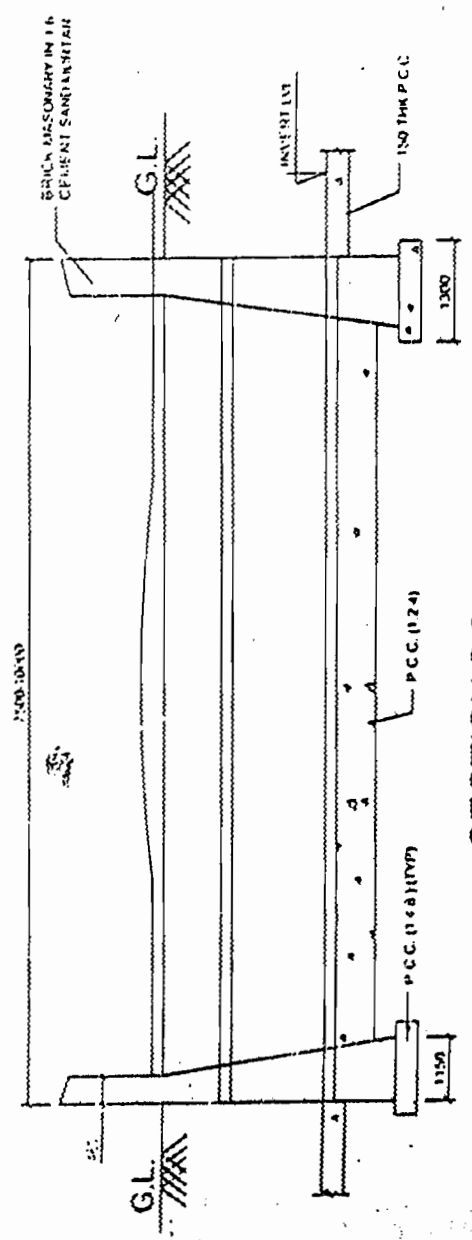
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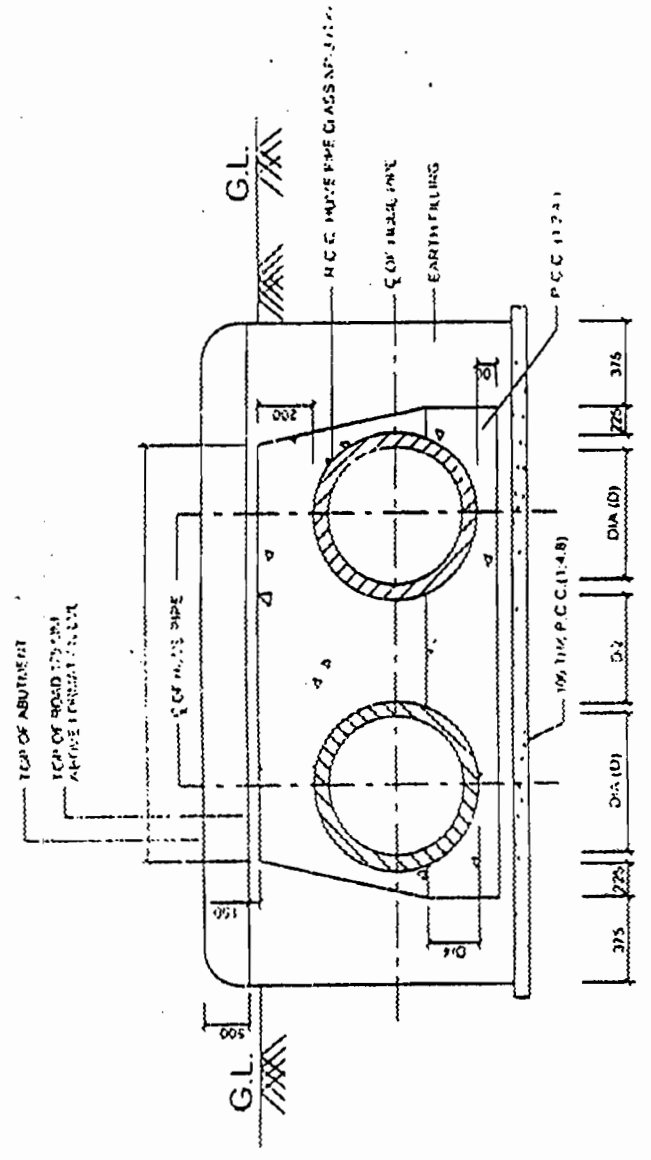
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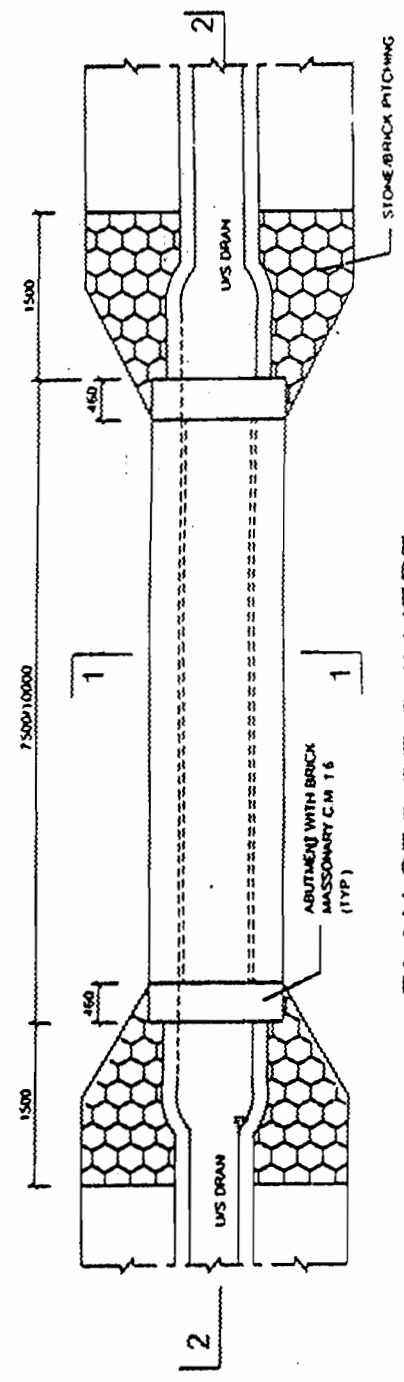
SECTION 1-1 FOR SINGLE PIPE



SECTION 2-2



SECTION 1-1 FOR DOUBLE PIPE CULVERT



PLAN OF PIPE CULVERT

NOTES:-

1. ALL DIMENSIONS ARE IN MM.
2. DO NOT SCALE THE DRG.
3. WORK SHALL BE DONE AS PER C.P.W.D. SPECIFICATION.

APPROVED BY ED (ENGG) ON 02.05.2005 VIDE NOTE
SHEET REF. NO. C/ENGG/CIV/SM-S/S DTD 30.03.2005

RELEASED FOR TENDER & CONSTRUCTION

POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT: STANDARD DRAWING FOR
SWITCH YARD ROADS

TITLE: DETAIL OF ROAD CULVERTS

SCALE: 1:100

DATE:

ED (ENGG):

ENGG (CIVIL):

ENGG (CIVIL):

ENGG (CIVIL):

ENGG (CIVIL):

ENGG (CIVIL):

ENGG (CIVIL):

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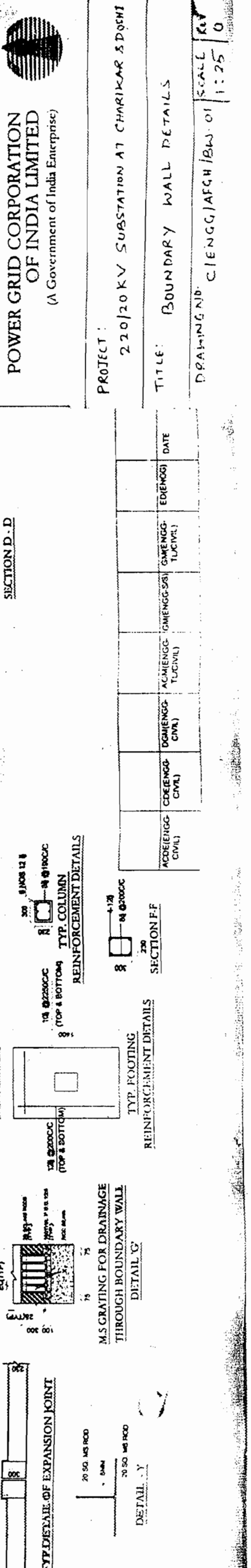
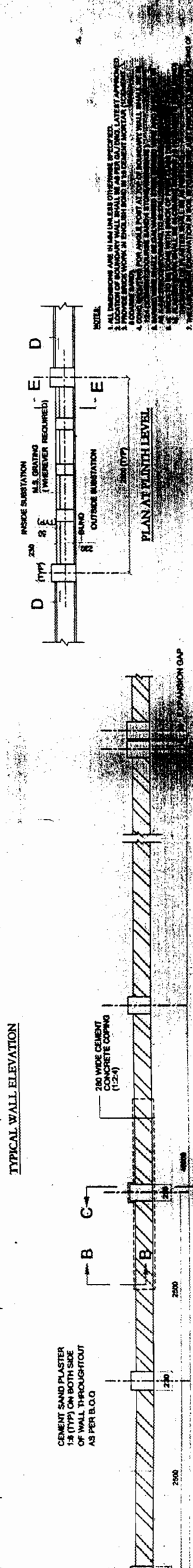
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ENGG (CIVIL):

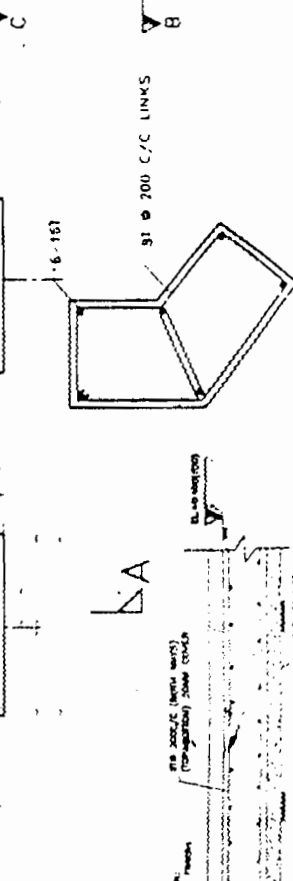
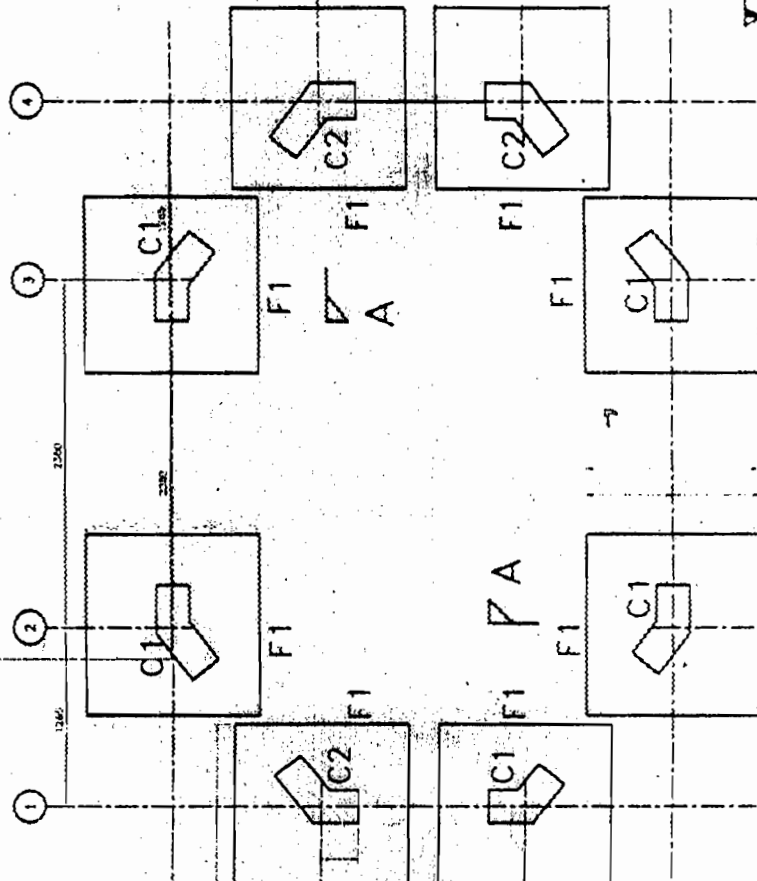
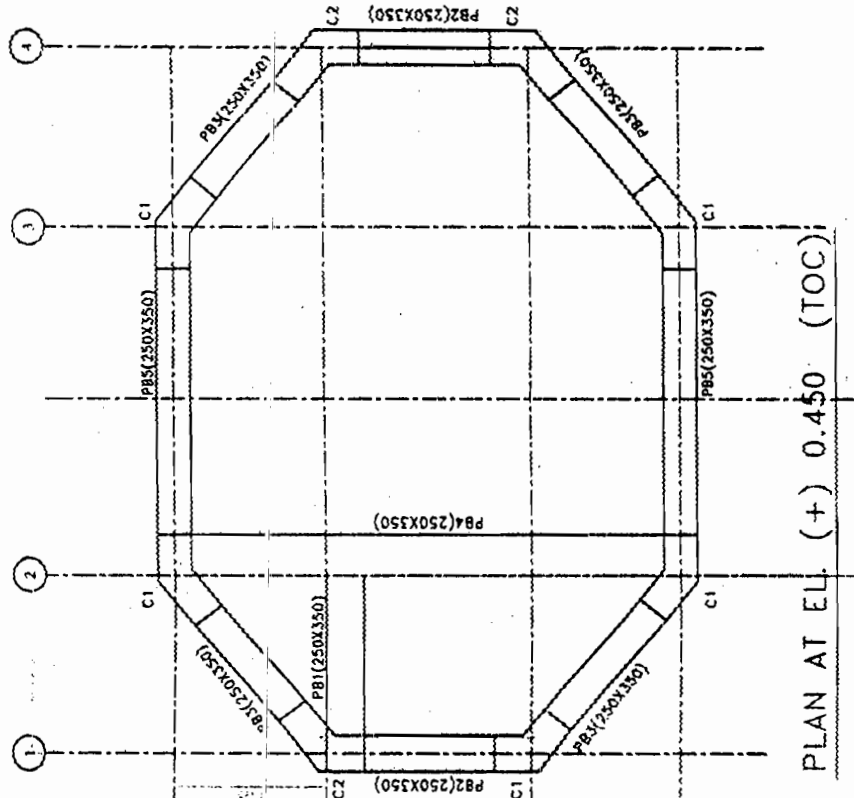
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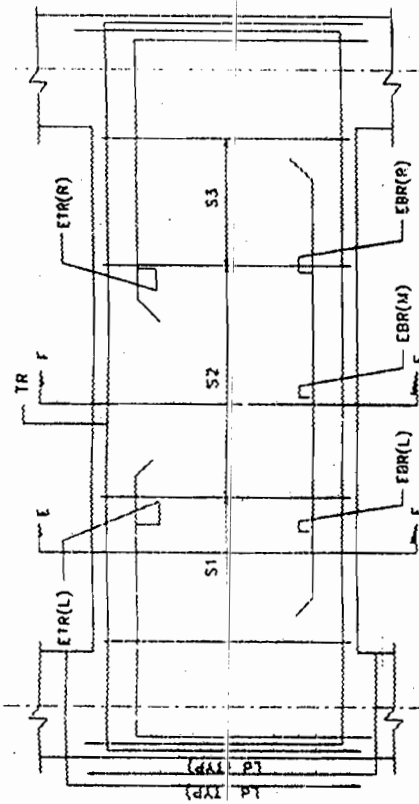
ENGG (CIVIL):



PROJECT :	220/20 KV SUBSTATION AT CHARIKAR S.D.DISHI
TITLE:	BOUNDARY WALL DETAILS
DRAWING NO.	C/ENGCG/AFGH/BW-01
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	KV
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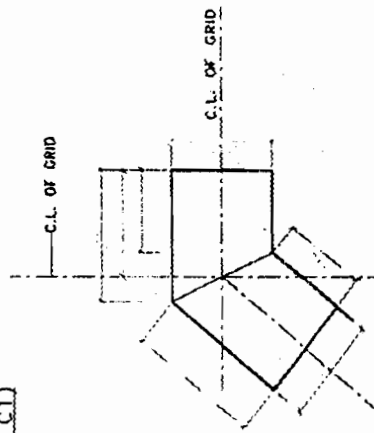


SEC C-C
(FOR C2)

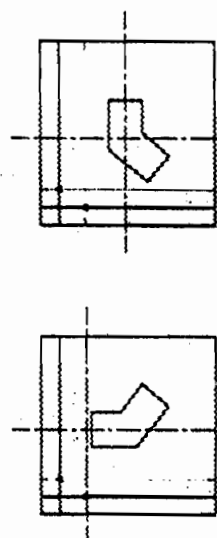


TYPICAL REINFORCEMENT DETAIL OF
SINGLE SPAN GRID BEAM
(LONGITUDINAL SECTION)

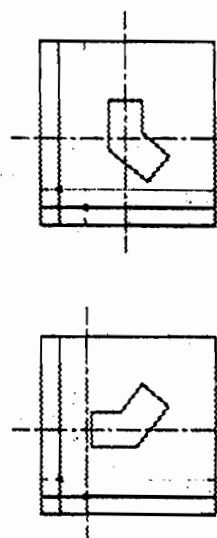
SEC C-C
(FOR C1)



DETAIL OF C1



SECTION C-C
FOOTING F1 (FOR C1)



SECTION B-B
FOOTING F1 (FOR C1)

S.NO.	LEFT SUPPORT	MID SPAN	RIGHT SUPPORT	REMARK
1.	BEAM MARK & SIZE PB2 (250X350)	BEAM MARK & SIZE PB2 (250X350)	BEAM MARK & SIZE PB2 (250X350)	SECTION MKD. E-E F-F
2.	BEAM MARK & SIZE PB3 (250X350)	BEAM MARK & SIZE PB3 (250X350)	BEAM MARK & SIZE PB3 (250X350)	SECTION MKD. E-E F-F
3.	BEAM MARK & SIZE PB4 (250X350)	BEAM MARK & SIZE PB4 (250X350)	BEAM MARK & SIZE PB4 (250X350)	SECTION MKD. E-E F-F
4.	BEAM MARK & SIZE PB5 (250X350)	BEAM MARK & SIZE PB5 (250X350)	BEAM MARK & SIZE PB5 (250X350)	SECTION MKD. E-E F-F

NOTES: ---

1. ALL DIMENSION ARE IN MILLIMETERS AND LEVELS IN METERS.
2. THE BAR MARK FOR BOTH TOP AND BOTTOM REINFORCEMENT ARE SHOWN AS SINGLE BAR MARK. LOCATION OF LAP TO BE DECIDED BY SITE INCHARGE.
3. BOTTOM BAR LAPPING SHALL BE PLACED AT SUPPORT LOCATION.
4. TOP BAR LAPPING SHALL BE PLACED AT CENTRE OF THE BEAM.
5. FINISH GROUND LEVEL EL 0.000.
6. MATERIAL
(A) M-20 (1:1.5:3) FOR RCC WORK-GRADE OF CEMENT REINFORCEMENT GRADE Fe 415 CONFORMING TO IS 1786 OR TMT BARS (EQUIVALENT GRADE)
7. CONCRETE COVER
(i) MIN CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
(a) BEAM = 25MM @ TOP, BOTTOM & SIDES
(b) FOOTING = 50MM @ TOP, BOTTOM & SIDES

LEGEND: ---

- b x d
TR TOP REINFORCEMENT
BR BOTTOM REINFORCEMENT
ETR EXTRA REINFORCEMENT @ TOP LEFT/RIGHT SUPPORT
EBR EXTRA REINFORCEMENT @ BOTTOM LEFT/RIGHT SUPPORT
S1 STIRRUP DESCRIPTION
LD DEVELOPMENT LENGTH 50X DIA OF BAR
LC 2 LEGGED STIRRUPS
R201-4-20T BAR MARK-NOS. OR BARS-DIA OF BARS

SR.NO	DRAWING NO.	TITLE
1.	C-EMGG-C-ER-PIN/RAN-SR-13	RC DETAIL OF ROOF
2.	C-EMGG-C-ER-PIN/RAN-SR-11	ARCHITECTURAL PLAN, ELEVATION AND SECTION

RELEASED FOR TENDER

POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)



PROJECT: 220 KV SUBSTATION AT
CHARAKAR D DSHI
7TH GROUND HOUSE RC DETAILS OF FOOTING
COLUMN AND PLINTH BEAM
DRAWING NO: C/INSG/AFGH/BLD-03

TYP. DETAIL OF GRADE SLAB

SEC A-A

COL C1 & C2

FOOTING F1

SEC C-C

(FOR C2)

TYP. DETAIL OF GRADE SLAB

1. ALL DIMENSION ARE IN MILLIMETERS AND LEVELS IN METERS.
2. THE BAR MARK FOR BOTH TOP AND BOTTOM REINFORCEMENT ARE SHOWN AS SINGLE BAR MARK. LOCATION OF LAP TO BE DECIDED BY SITE INCHARGE.
3. BOTTOM BAR LAPPING SHALL BE PLACED AT SUPPORT LOCATION.
4. TOP BAR LAPPING SHALL BE PLACED AT CENTRE OF THE BEAM.

S. MATERIAL

(A) M-20 (1:1.5:3) FOR RCC WORK
REINFORCEMENT GRADE Fe 415 CONFORMING TO IS 1786 OR
TMT BARS (EQUIVALENT GRADE)

7. CONCRETE COVER

(i) MIN CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:

(a) BEAM $\approx 25\text{MM}$ \bullet TOP, BOTTOM & SIDES

(b) FOOTING = SOWN @ TOP, BOTTOM & SIDES

LEGEND:--~

b x d BREADTH AND DEPTH OF BEAM IN mm

TOP REINFORCEMENT

BOTTOM REINFORCEMENT

EXTRA REINFORCEMENT @ TOP LEFT/RIGHT SUPPORT

EXTRA REINFORCEMENT

SI	STIRRUP DESCRIPTION
1	10# 18' x 18'
2	10# 18' x 18'
3	10# 18' x 18'
4	10# 18' x 18'
5	10# 18' x 18'
6	10# 18' x 18'
7	10# 18' x 18'
8	10# 18' x 18'
9	10# 18' x 18'
10	10# 18' x 18'
11	10# 18' x 18'
12	10# 18' x 18'
13	10# 18' x 18'
14	10# 18' x 18'
15	10# 18' x 18'
16	10# 18' x 18'
17	10# 18' x 18'
18	10# 18' x 18'
19	10# 18' x 18'
20	10# 18' x 18'
21	10# 18' x 18'
22	10# 18' x 18'
23	10# 18' x 18'
24	10# 18' x 18'
25	10# 18' x 18'
26	10# 18' x 18'
27	10# 18' x 18'
28	10# 18' x 18'
29	10# 18' x 18'
30	10# 18' x 18'
31	10# 18' x 18'
32	10# 18' x 18'
33	10# 18' x 18'
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37	10# 18' x 18'
38	10# 18' x 18'
39	10# 18' x 18'
40	10# 18' x 18'
41	10# 18' x 18'
42	10# 18' x 18'
43	10# 18' x 18'
44	10# 18' x 18'
45	10# 18' x 18'
46	10# 18' x 18'
47	10# 18' x 18'
48	10# 18' x 18'
49	10# 18' x 18'
50	10# 18' x 18'
51	10# 18' x 18'
52	10# 18' x 18'
53	10# 18' x 18'
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55	10# 18' x 18'
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57	10# 18' x 18'
58	10# 18' x 18'
59	10# 18' x 18'
60	10# 18' x 18'
61	10# 18' x 18'
62	10# 18' x 18'
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82	10# 18' x 18'
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84	10# 18' x 18'
85	10# 18' x 18'
86	10# 18' x 18'
87	10# 18' x 18'
88	10# 18' x 18'
89	10# 18' x 18'
90	10# 18' x 18'
91	10# 18' x 18'
92	10# 18' x 18'
93	10# 18' x 18'
94	10# 18' x 18'
95	10# 18' x 18'
96	10# 18' x 18'
97	10# 18' x 18'
98	10# 18' x 18'
99	10# 18' x 18'
100	10# 18' x 18'

DEVELOPMENT LENGTH INDEX OF BAR

2 LEGGED STIRRUPS

RR201-4-207 BAR MARK-NOS. OR BARS~DIA OF BARS

SER. NO.	DRAWING NO	TITLE
1.	C-ENG6-C-E-PIN/RAN-SR-12	RE DETAIL OF FOOTING, COLUMN AND PLINTH BEAM
2.	C-ENG6-C-E-PIN/RAN-SR-11	ARCHITECTURAL PLAN, ELEVATION AND SECTION

RELEASED FOR TENDER



POWER GRID CORPORATION
OF INDIA LIMITED

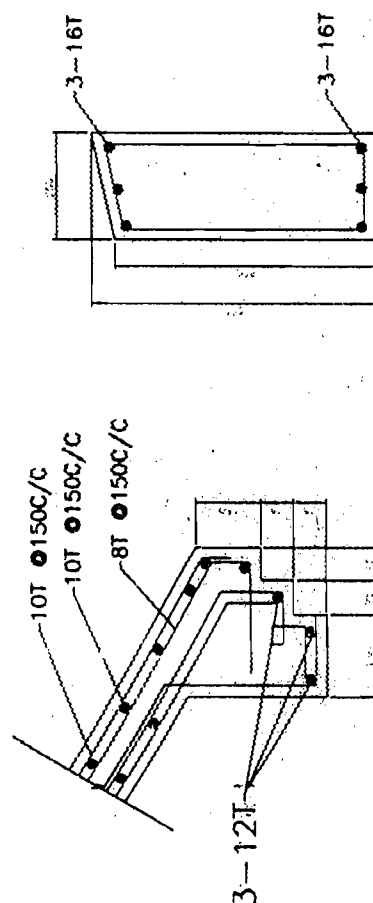
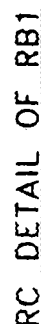
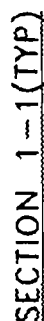
of India (Government of India Enterprise)

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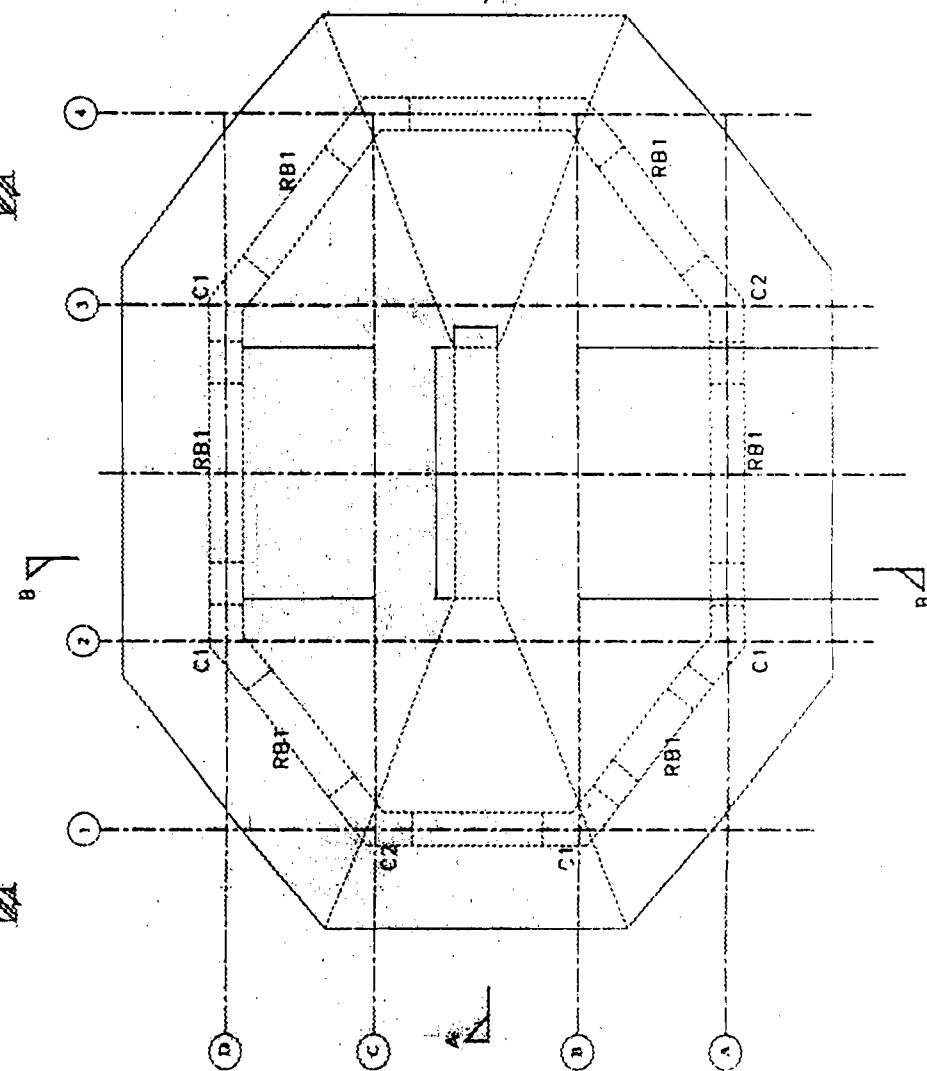
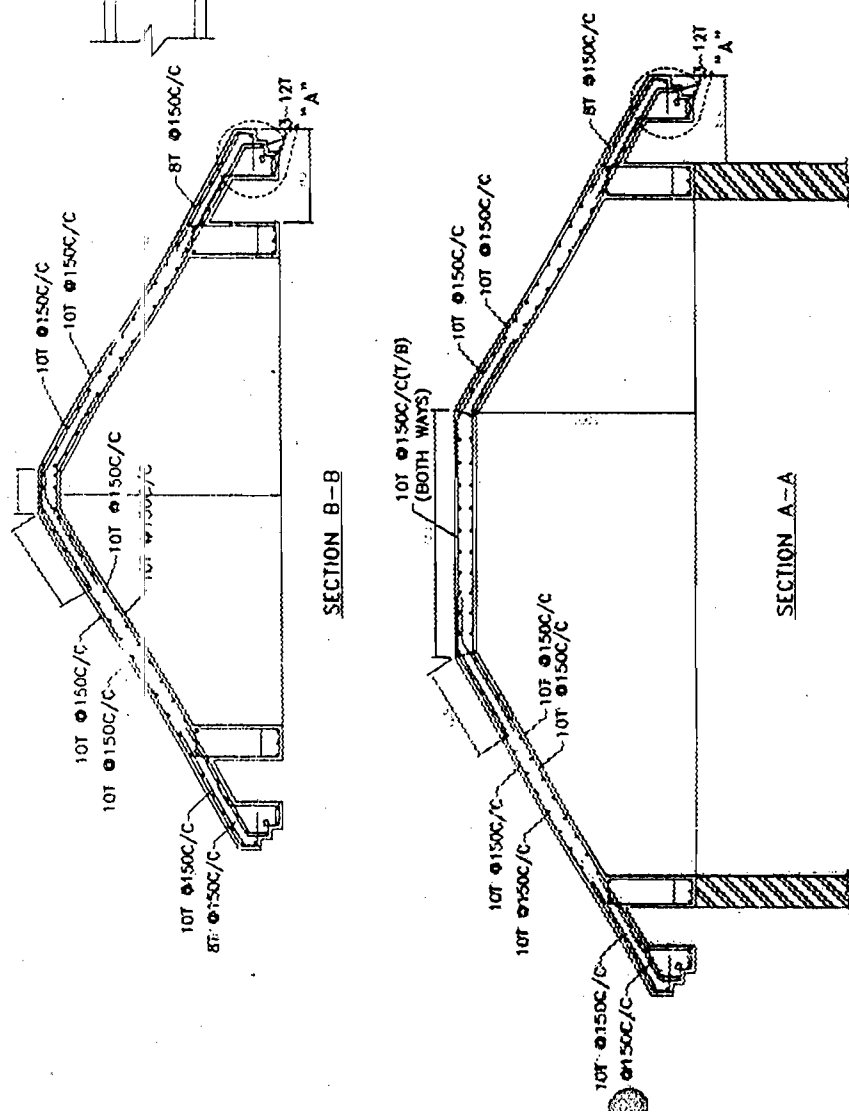
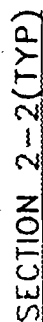
220/20KV SUBSTATION AT CHARICAR & POWER

THURSDAY - GUARD HOUSE - RE DETAIL OF ROOF

MEASUREMENT NO: CLENGG/AFGHAN-4 CAL 17 2.0

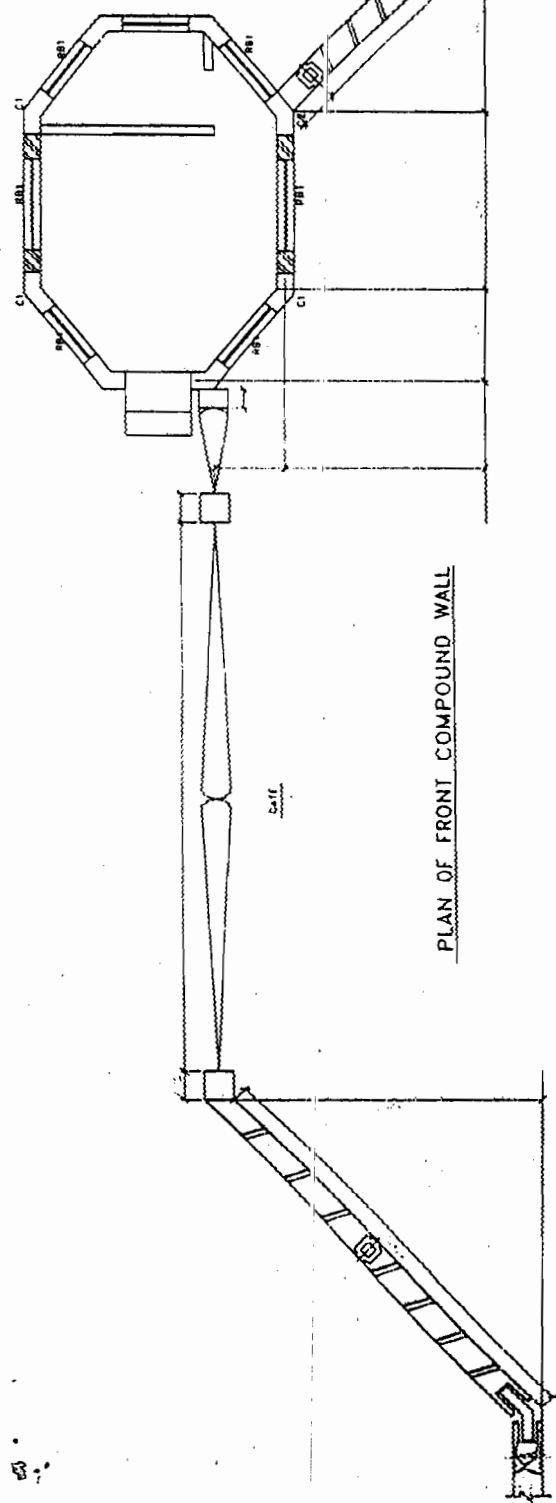


DETAIL "A"

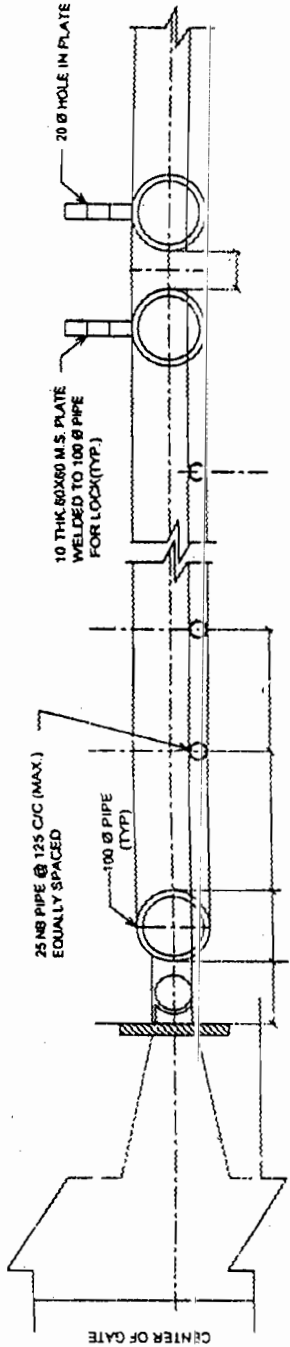


ROOF PLAN

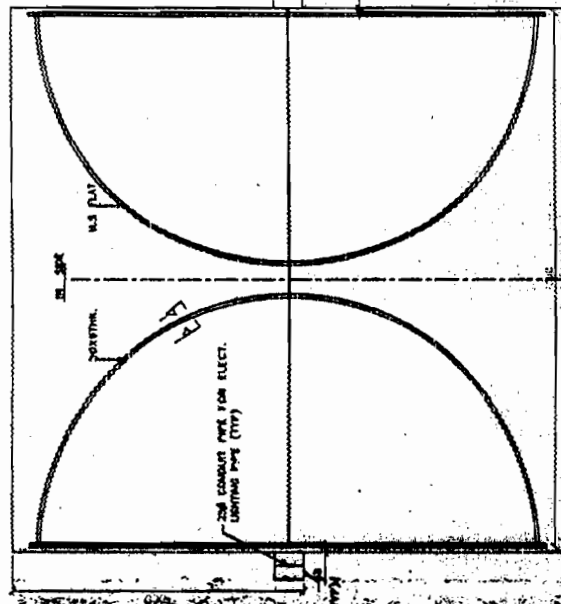
ACADENGG (CIVIL)	DESENGG (CIVIL)	AGADMNG. (CIVIL)	ENRNMNG. (CIVIL)	EMENGG. (CIVIL)	EXPERIENCES	DATE



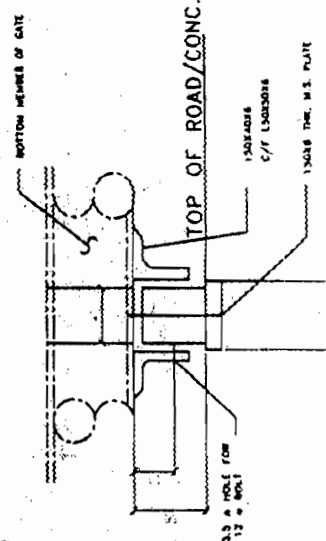
PLAN OF FRONT COMPOUND WALL



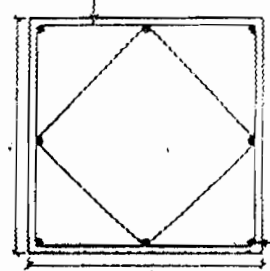
PART SECTIONAL
PLAN OF GATE



SECTION A-A



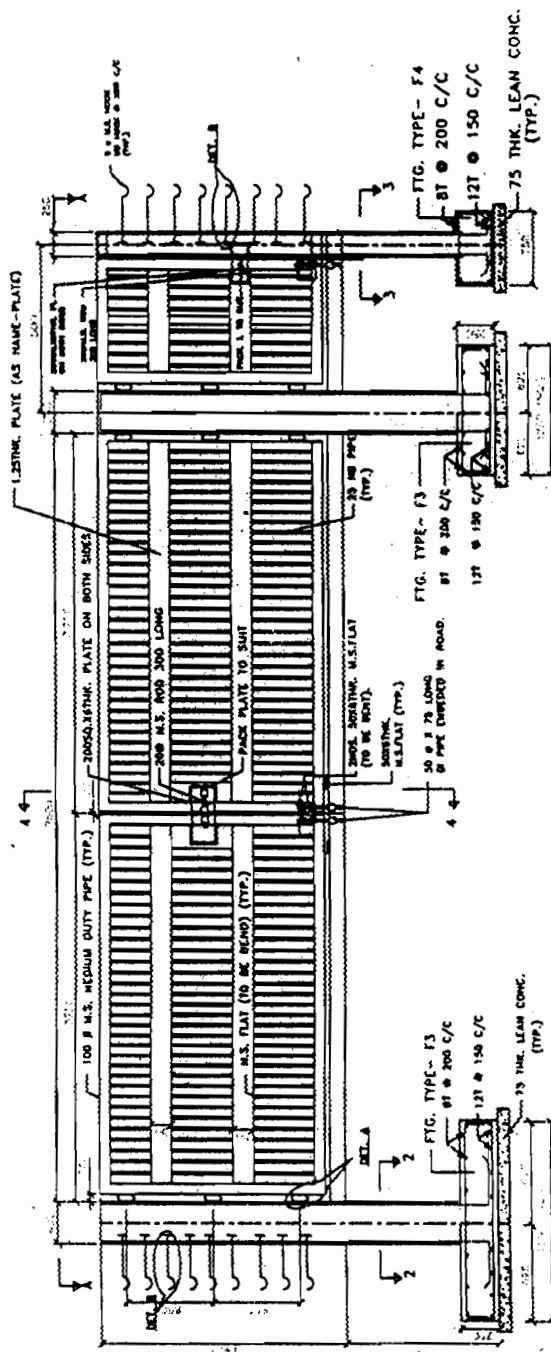
DETAIL OF GATE ROLLER



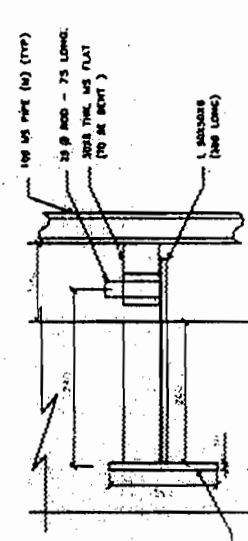
SECTION 2-2



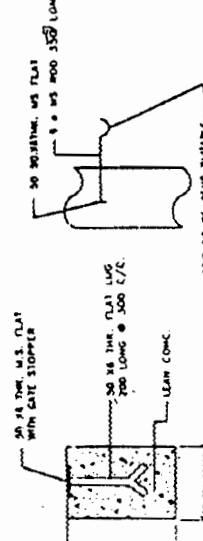
SECTION 3-3
DETAIL OF ROLLER BEARING



SECTION 1-1



DETAIL - A



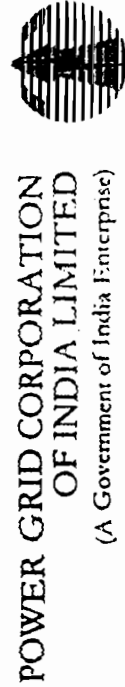
DETAIL - B

SECTION 4-4

- NOTES:—
1. THIS DRC. SHALL BE READ IN CONJUNCTION WITH TERMS AND CONDITION OF THE CONTRACT, TECHNICAL SPECIFICATION AND SCHEDULE OF TERMS.
 2. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS, UNLESS NOTED OTHERWISE.
 3. ALL STRUCTURAL COLUMN SHALL BE OF M20 GRADE (1:1.5:3) (1 CEMENT : 1.5 GRADE SAND : 3 GRADE STONE AGGREGATE) CONFORMING IS:456-1978.
 4. ALL LEAN CONC. SHALL BE PCC (1:4:8) UNLESS NOTED OTHERWISE.
 5. ALL REINFORCEMENT FOR STEEL BARS (DENOTED AS 'T') SHALL CONFORM TO IS:1786 LATEST EDITION OF F415 OR TMT BARS OF EQUIVALENT GRADE.
 6. BOTTOM BAR LAPPING SHALL BE PLACED AT SUPPORT LOCATION.
 7. UNLESS NOTED OTHERWISE LAP/ANCHOR LENGTH SHALL 50 TIME THE DIA OF BARS.
 8. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:

ITEMS	TOP	BOTTOM	SIDE
(a) FOUNDATION	40MM	50MM	40MM
(b) COLUMN	40MM	40MM	40MM
 9. ALL STRUCTURAL STEEL SHALL CONFORM TO IS:2062 AND SHALL BE PAINTED WITH A COAT OF APPROVED STEEL PRIMER & TWO COATS OF SYNTHETIC ENAMEL UNLESS NOTED OTHERWISE IN ACCORDANCE WITH TECHNICAL SPECIFICATION.
 10. DRUM-BOLTS SHOULD BE PROVIDED ON THE FAR SIDE ONLY.
 11. ALL WELDS ARE 6MM THK FILLET WELDS UNLESS NOTED OTHERWISE.
 12. GATE AND M.S. HOOKS TO BE PAINTED WITH ONE COAT OF APPROVED STEEL PRIMER BEFORE ERECTION AND TWO COATS OF SYNTHETIC ENAMEL PAINTS AFTER ERECTION.
 13. ALL EXPOSED SURFACES OF BRICK TOE WALL SHALL BE PROVIDED WITH 15MM 1:3 CEMENT SAND PLASTER AND COATED WITH TWO COATS OF WATER PROOFING CEMENT PAINT.
 14. GATES SHALL BE PAINTED WITH TWO COATS OF SYNTHETIC ENAMEL OVER PRIMER.
 15. GATE SHALL BE FITTED WITH GALVANISED MALLEABLE IRON HINGES, LATCH AND LATCH CATCH.

RELEASED FOR TENDER



**POWER GRID CORPORATION
OF INDIA LIMITED**
(A Government of India Enterprise)

**PROJECT: 220/20 KV SUBSTATION AT
CHARIKAR & DODHI**

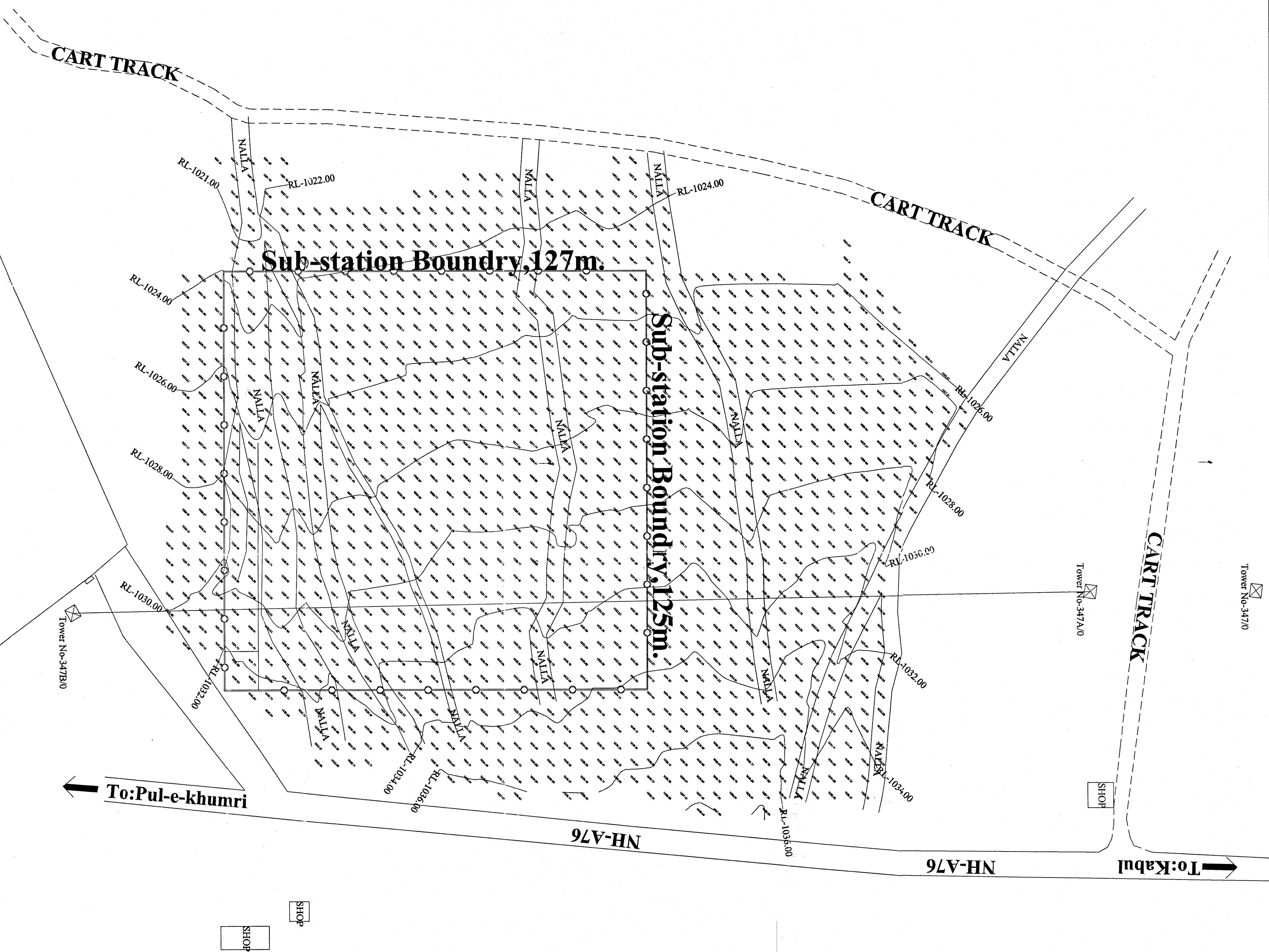
TITLE: DETAILS OF GATES

DRAWING NO.

CIENGGA/AFGH/RAW-05

SCALE: REV
NTS: 00

DHOSI SUB-STATION TOPO - MAP



KEC INTERNATIONAL
LTD., Store yard.

POWER GRID CORPORATION OF INDIA LTD			
Survey for 220kV D/C Transmission line Between dhosi 220/110 kV Sub-Station topographical and contour details. Afghanistan			
INDEX MAP			DATE OF ISSUE : NOV- 2007
DWG. NO.	Pg./Afghan./IM		E//DURAI OTHERS/DHOSI SS.drg
SCALE	NOT TO SCALE		