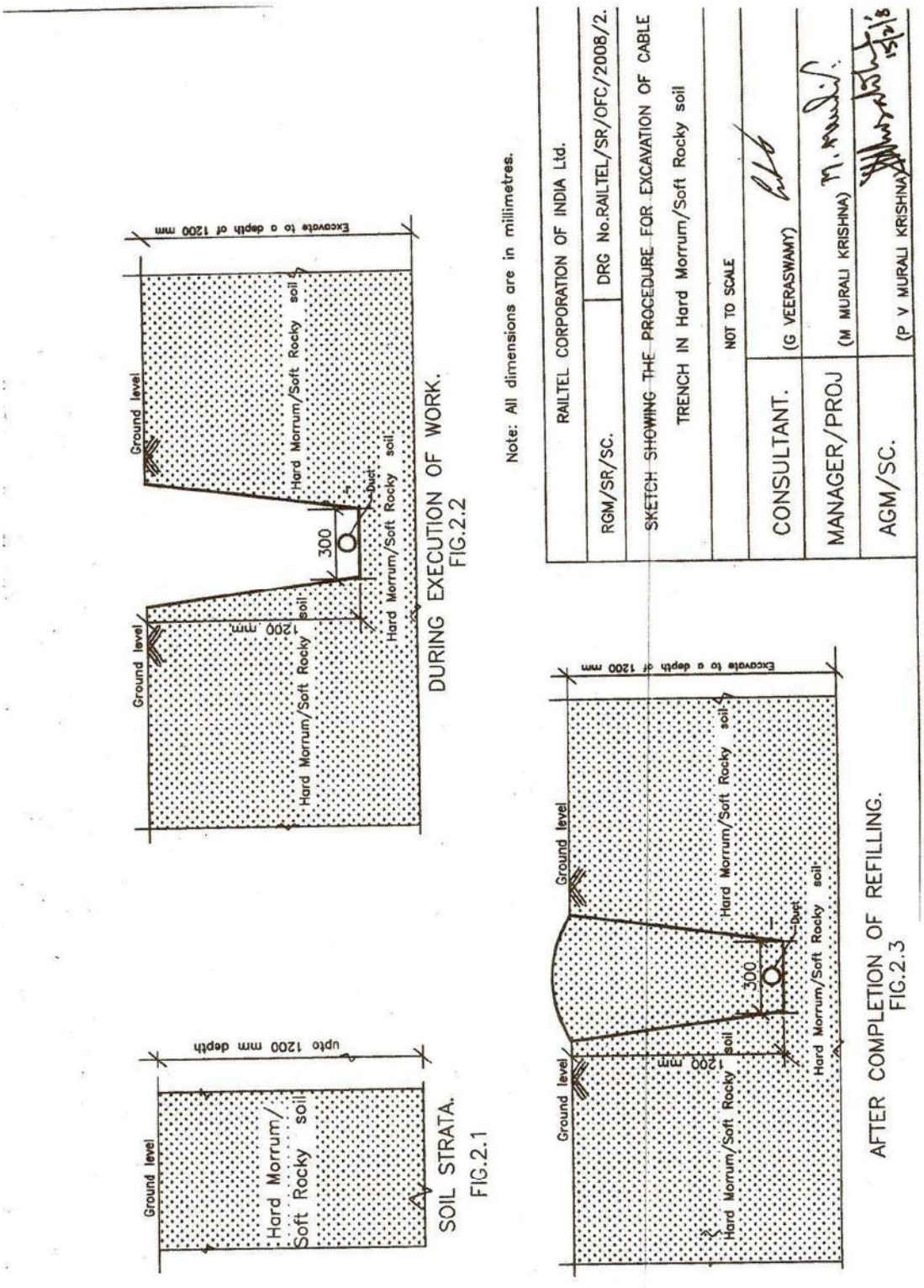


SOIL STRATA.
FIG.2.1

DURING EXECUTION OF WORK.
FIG.2.2

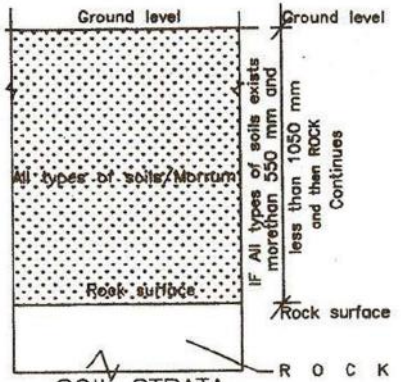
AFTER COMPLETION OF REFILLING.
FIG.2.3

Ground level
If Rock exists
Rock
300
Ground level
300
DURING EXECUTION OF WORK.
FIG.3.2
NOTE;
1.All dimensions are in millimetres.
RAILTEL CORPORATION OF INDIA Ltd..
RGM/SR/SC.
DRG No.RAILTEL/SR/OFC/2008/3.
SKETCH SHOWING THE PROCEDURE FOR EXCAVATION OF CABLE TRENCH IF ROCK EXISTS FROM SURFACE OF GROUND.
NOT TO SCALE
CONSULTANT.
(G VEERASWAMY)
MANAGER/PROJ
(M MURALI KRISHNA)
AGM/SC.
Ground level
If Rock EXISTS
Ground level
SOIL STRATA.
FIG.3.1
PCC 1:2:4
Duct.
300
Ground level
If Rock exists
Ground level
Rock
300
AFTER COMPLETION OF WORK.
FIG.3.3

Depth of Rock from surface	Cutting of ROCK.		Plain cement concrete	
	width	depth	Top level	Bottom level
300	200	200	300	500
350	200	200	350	550
450	200	200	450	650
550	200	200	550	750

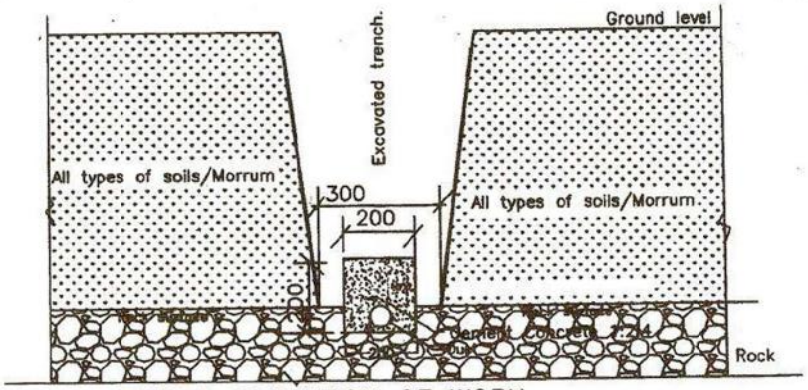
NOTE;
1.All dimensions are in millimetres.

RAILTEL CORPORATION OF INDIA Ltd.	
RGM/SR/SC.	DRG No.RAILTEL/SR/OFC/2008/4.
SKETCH SHOWING THE PROCEDURE FOR EXCAVATION OF CABLE TRENCH IF ROCK EXISTS morethan 300 to 550 mm FROM G.L.	
NOT TO SCALE	
CONSULTANT. (G VEERASWAMY)	
MANAGER/PROJ (M MURALI KRISHNA)	
AGM/SC.	



SOIL STRATA.

FIG.5.1



DURING EXECUTION OF WORK.

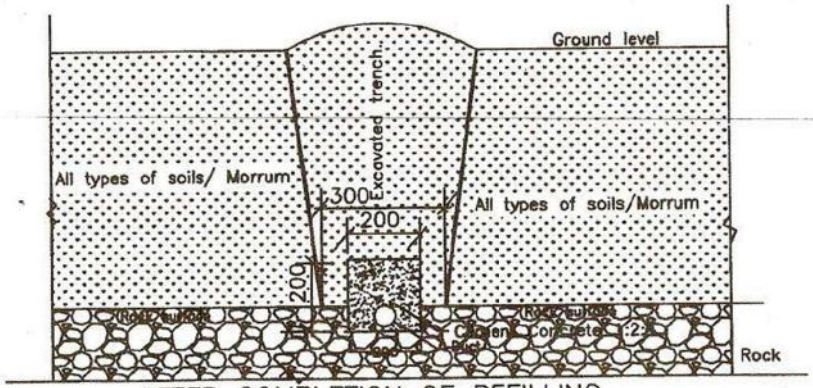
FIG.5.2

Note: All dimensions are in millimetres.

Depth of Rock from surface	Cutting of ROCK		Plain cement concrete	
	width	depth	Top level	Bottom level
600	200	150	550	750
650	200	100	550	750
750	200	Nil	550	750
850	200	Nil	650	850
950	200	Nil	750	950
1050	200	Nil	850	1050

NOTE;

1.All dimensions are in millimetres.

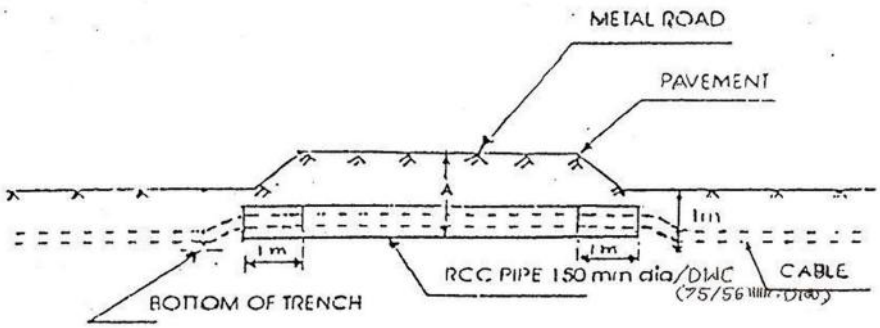


AFTER COMPLETION OF REFILLING..

FIG.5.3

RAILTEL CORPORATION OF INDIA Ltd..	
RGM/SR/SC.	DRG No.RAILTEL/SR/OFC/2008/5.
SKETCH SHOWING THE PROCEDURE FOR EXCAVATION OF CABLE TRENCH IF ROCK EXISTS morethan 550 and lessthan 1050	
NOT TO SCALE	
CONSULTANT.	(G VEERASWAMY)
MANAGER/PROJ	(M MURALI KRISHNA)
AGM/SC.	(P V MURALI KRISHNA) 15/2/1

ANNEXURE - 3.2



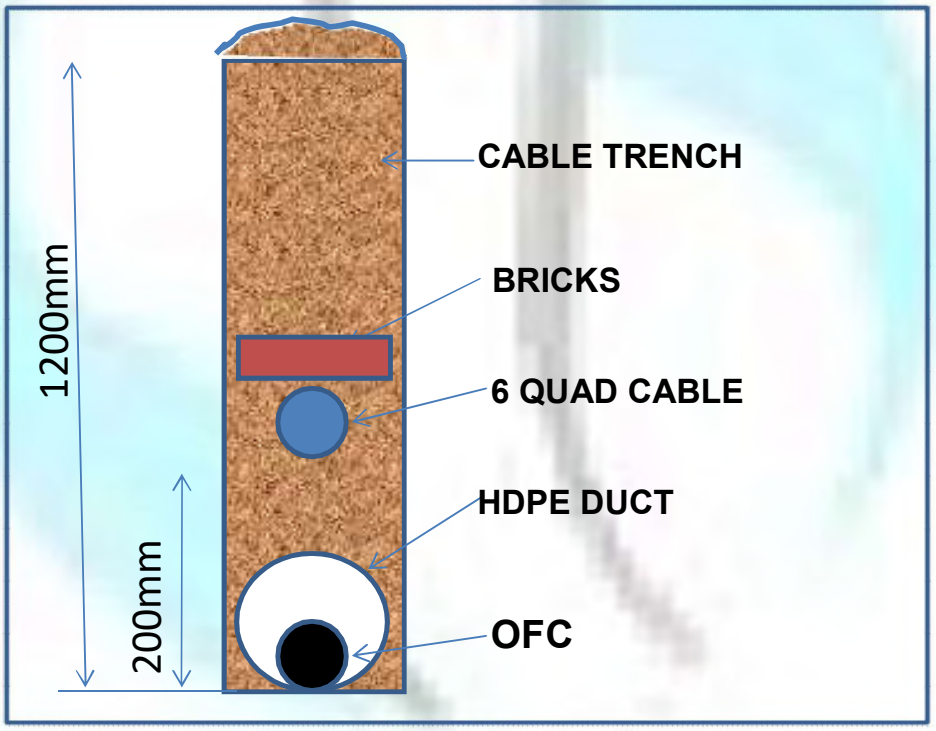
NOTE :-

1. 'A' = DEPTH WILL BE 1 METER MIN.
   OR
   AS DECIDED BY THE ENGINEERS AS PER SITE CONDITION.
2. LENGTH OF R.C.C. PIPE SHALL BE EXTENDED BY 1 m. BEYOND ROAD EDGES.

-	CSTE	DRN.	ARRANGEMENT OF RCC PIPE TRUNKING UNDER METAL ROADS	DRG NO. RE/SST/ ALD/SK/497/2000
	DY CSTE	SE/D		
-	SSTE/T	SE/T	RAILWAY ELECTRIFICATION	DT. 30-11-2000
-	ASTE/T		BASED ON DRG. NO. RE/SET/ALD/ SK/163/81	NOT TO SCALE

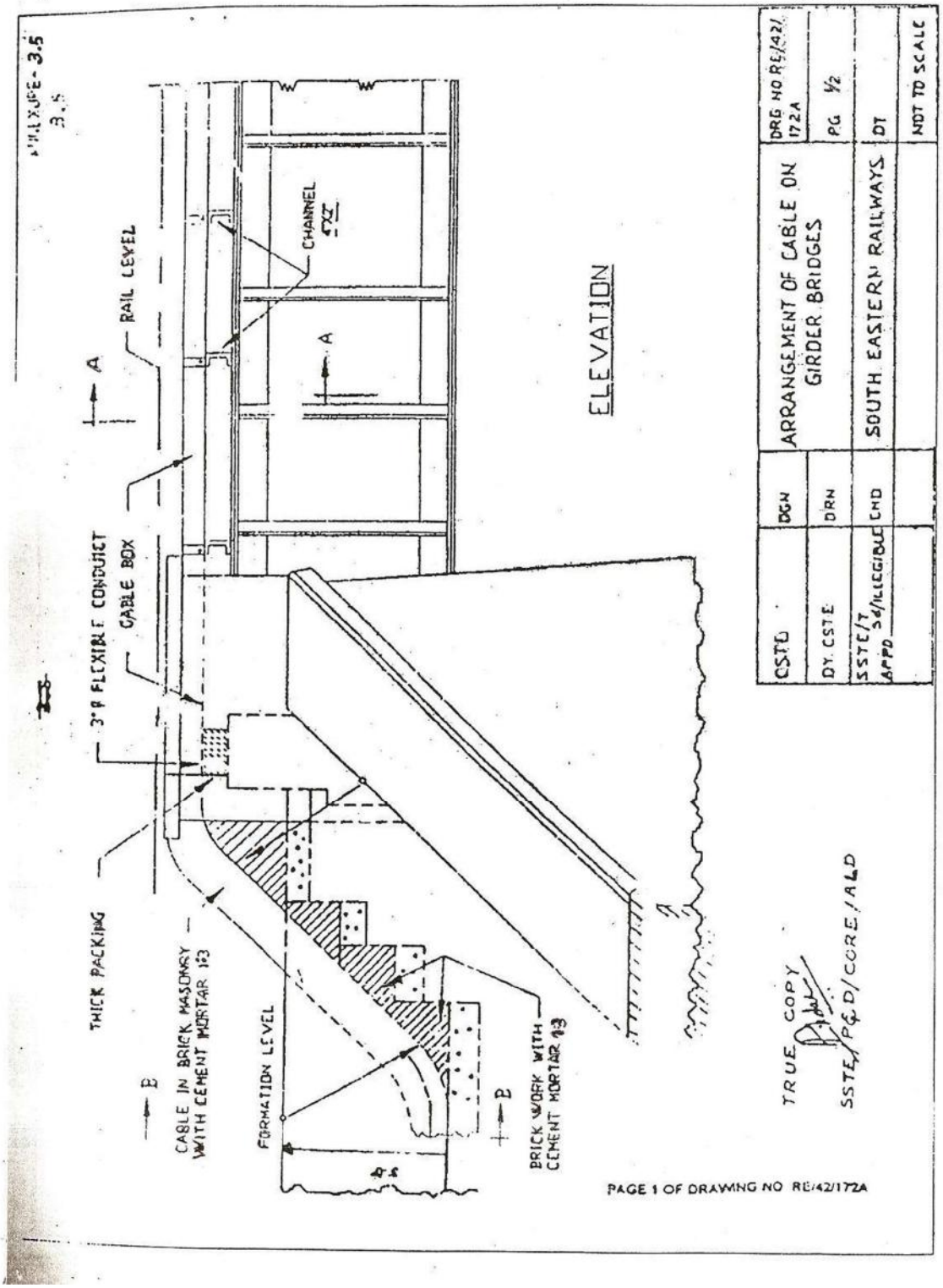
Trenching & Laying of HDPE Duct and 6 Qd Cable

1.0 .Bascically the HDPE duct is to be laid into the ground in a depth of 1200 mm or at the bottom of the trench. 6Qd cable shall be laid after 200 mm back filling i.e. at a depth of 1000mm, followed by bricks proction as shown in the diagram below.

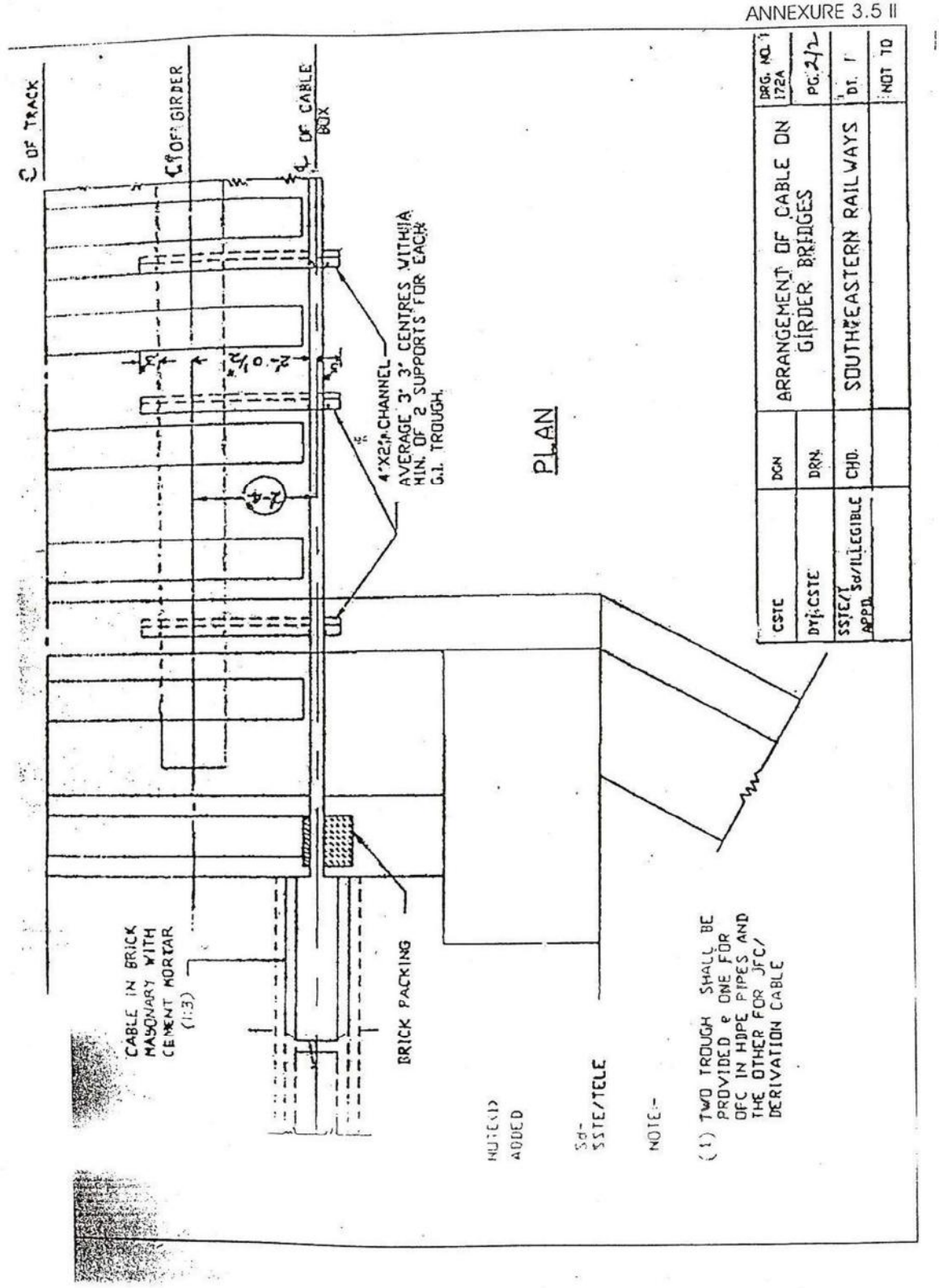


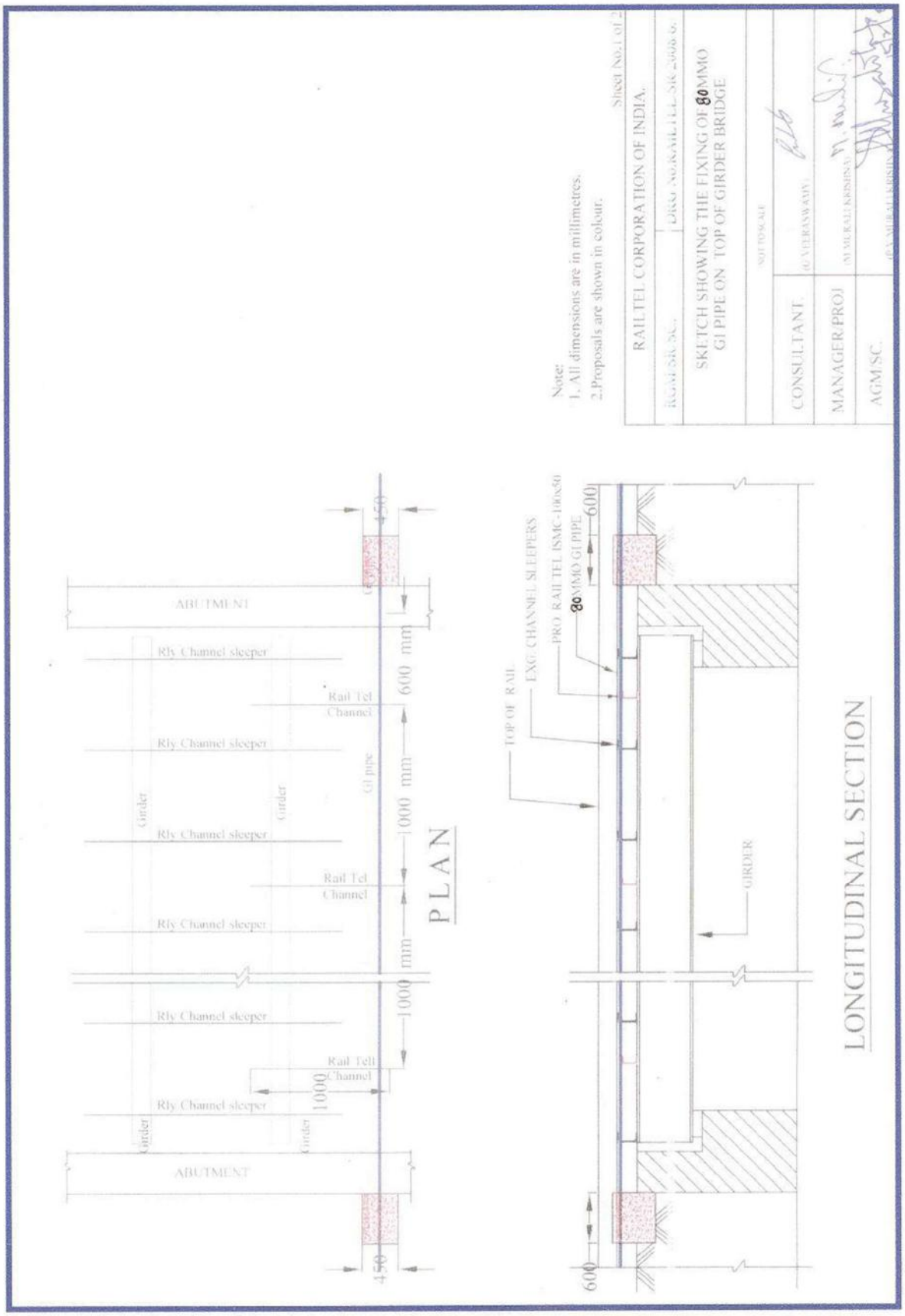
1.1 The arrangement of cable/Duct laying by crossing roads/ Railway track, Culverts, Bridges and so on will follow the rules of RDSO " Code of Practicse for installation and commissioning of Optical Fibre System" In general i

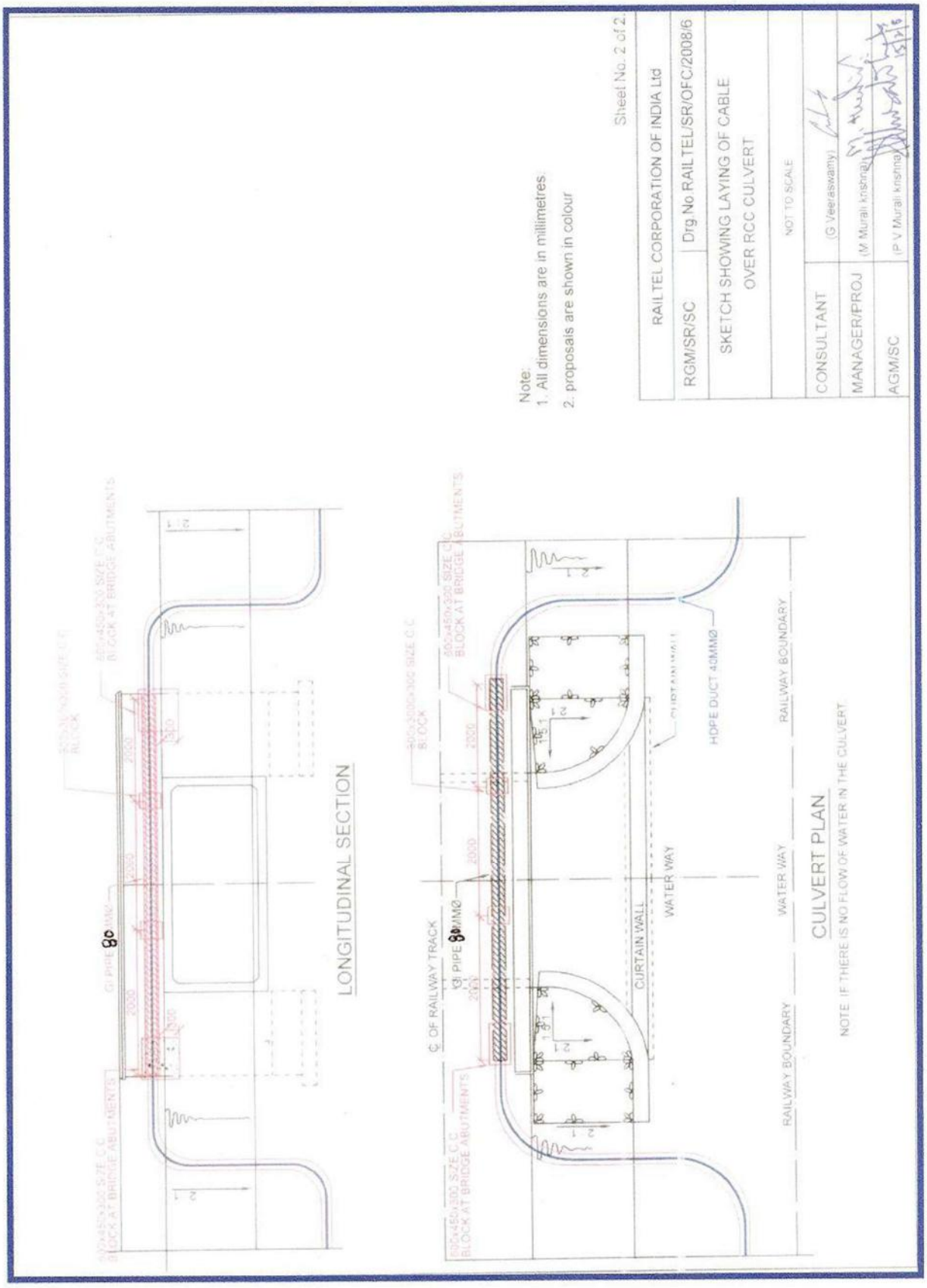
ANNEXURE 3.5 - I

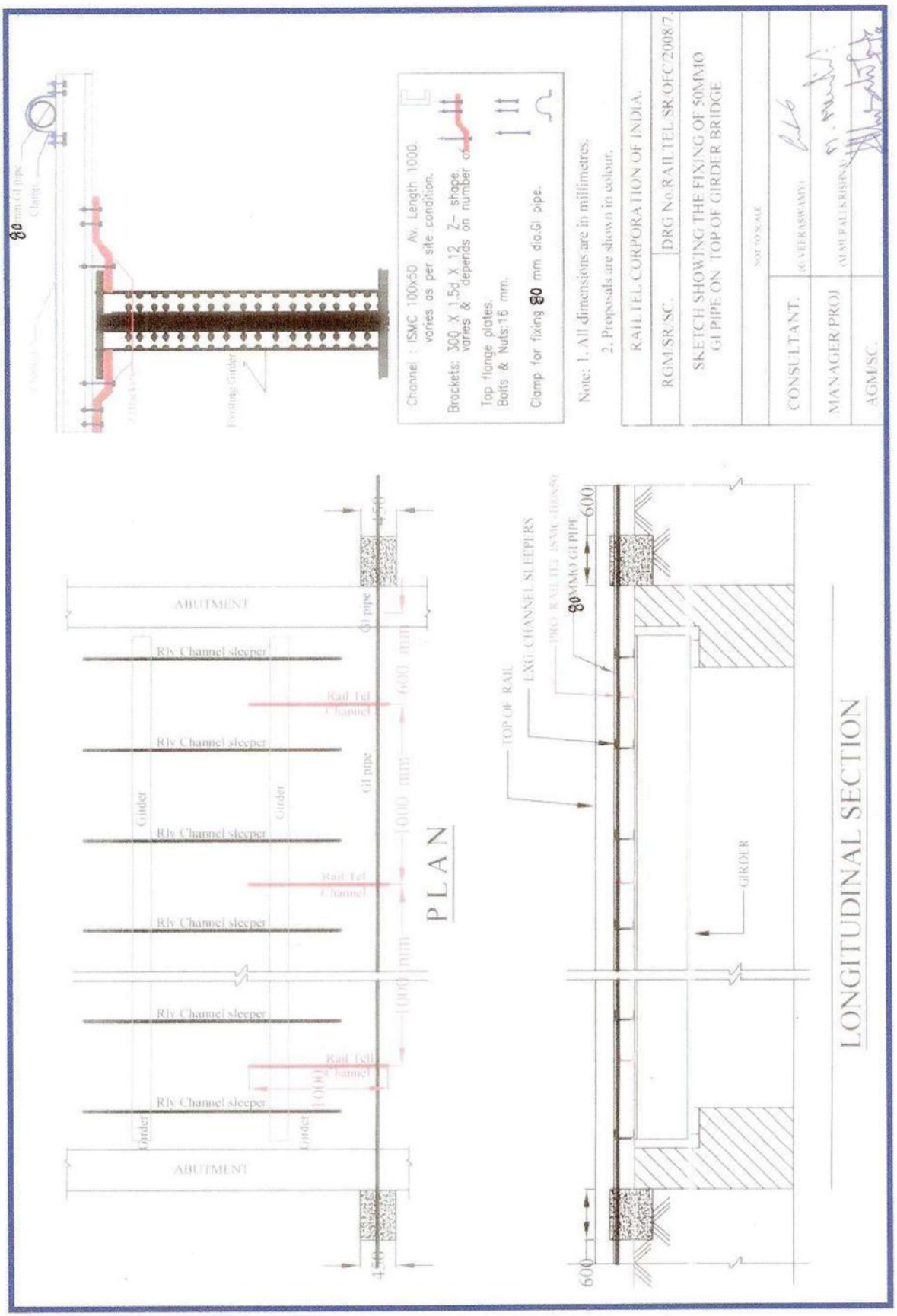


ANNEXURE 3.5 II

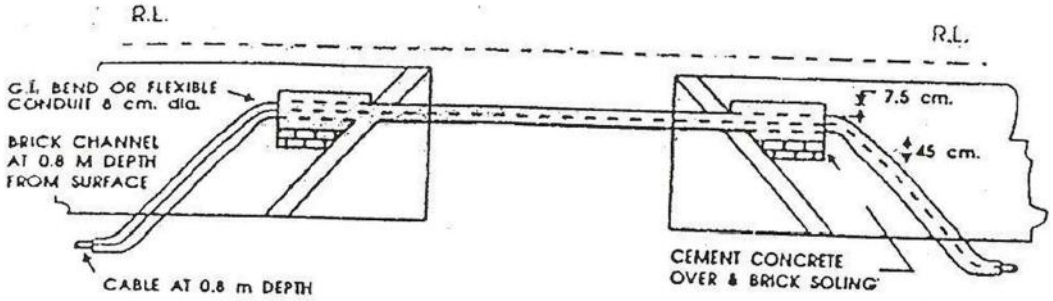


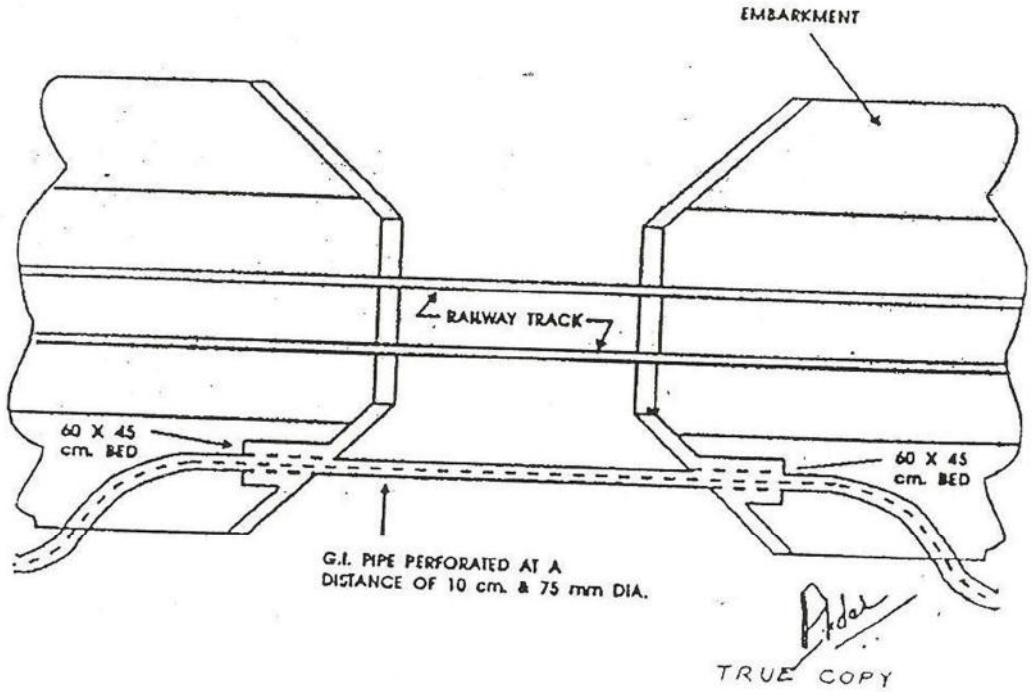

Note:
1. All dimensions are in millimetres.
2.Proposals are shown in colour.
RAILTEL CORPORATION OF INDIA.
SKETCH SHOWING THE FIXING OF 80MMO GI PIPE ON TOP OF GIRDER BRIDGE
CONSULTANT
MANAGER/PROJ
AGM/SC.
PLAN
ABUTMENT
Rly Channel sleeper
Rail Tel Channel
Girder
GI pipe
600 mm
1000 mm
450
LONGITUDINAL SECTION
TOP OF RAIL
ENG CHANNEL SLEEPERS
PRO RAIL TEL ISMC-100X50
80MMO GI PIPE
GIRDER
600


Note:
1. All dimensions are in millimetres.
2. proposals are shown in colour
Sheet No. 2 of 2
RAILTEL CORPORATION OF INDIA Ltd
RGM/SR/SC
Drg.No RAILTEL/SR/OFC/2008/6
SKETCH SHOWING LAYING OF CABLE OVER RCC CULVERT
NOT TO SCALE
CONSULTANT
(G Veeraswamy)
MANAGER/PROJ
(M Murali krishna)
AGM/SC
(P V Murali krishna)
LONGITUDINAL SECTION
CULVERT PLAN
NOTE: IF THERE IS NO FLOW OF WATER IN THE CULVERT
C OF RAILWAY TRACK
CURTAIN WALL
WATER WAY
HDPE DUCT 40MMØ
RAILWAY BOUNDARY


Channel : ISMC 100x50 Av. Length 1000.
varies as per site condition.
Brackets: 300 X 1.5d X 12 Z- shape.
varies & depends on number of
Top flange plates.
Bolts & Nuts:16 mm.
Clamp for fixing 80 mm dia.Gi pipe.
Note: 1. All dimensions are in millimetres.
2. Proposals are shown in colour.
RAILTEL CORPORATION OF INDIA.
RGM/SR/SC.
DRG No.RAILTEL/SR/OFC/2008/7
SKETCH SHOWING THE FIXING OF 50MMO GI PIPE ON TOP OF GIRDER BRIDGE
NOT TO SCALE
CONSULTANT.
MANAGER/PROJ
AGM/SC.
PLAN
ABUTMENT
Rly Channel sleeper
Rail Tel Channel
Girder
GI pipe
LONGITUDINAL SECTION
TOP OF RAIL
ENG CHANNEL SLEEPERS
80MMO GI PIPE
GIRDER
600

ANNEXURE 3.9



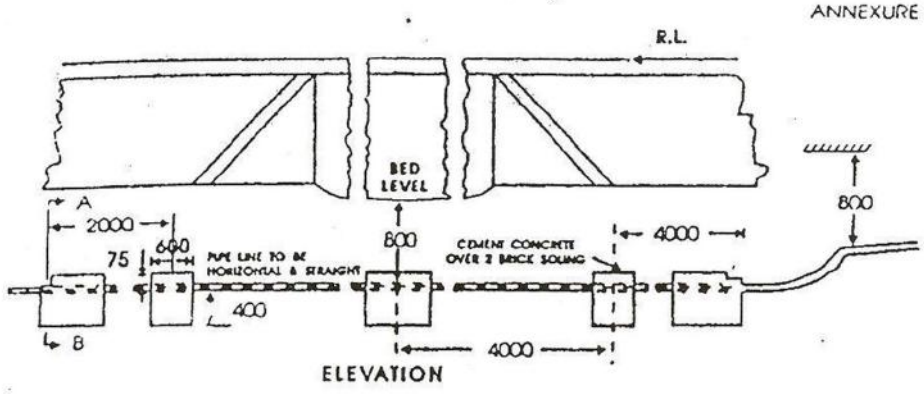


TRUE COPY

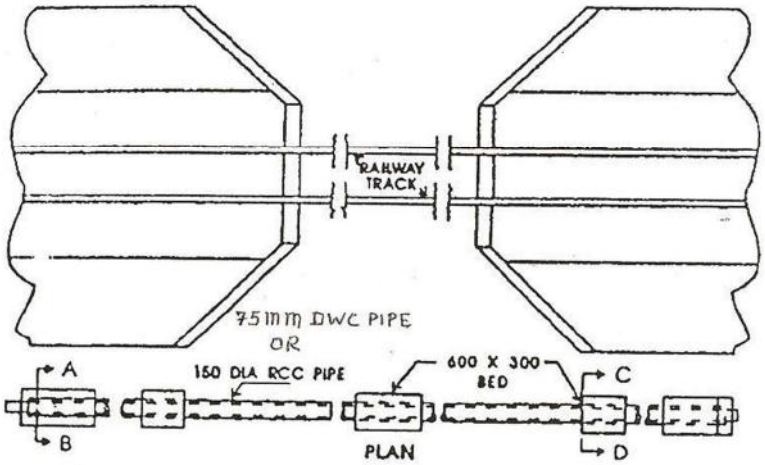
SSTE/PG.D/CORE/ALD

	CSTE	DRN	G.I. PIPES ON CULVERTS.	DRG. NO. RE / S&T/ ALD / SK / 160 / 81
Sd	DY CSTE	CDM		PG.
	SSTE/T	CTI	RAILWAY ELECTRIFICATION	DT.
	ASTE/T			NOT TO SCALE

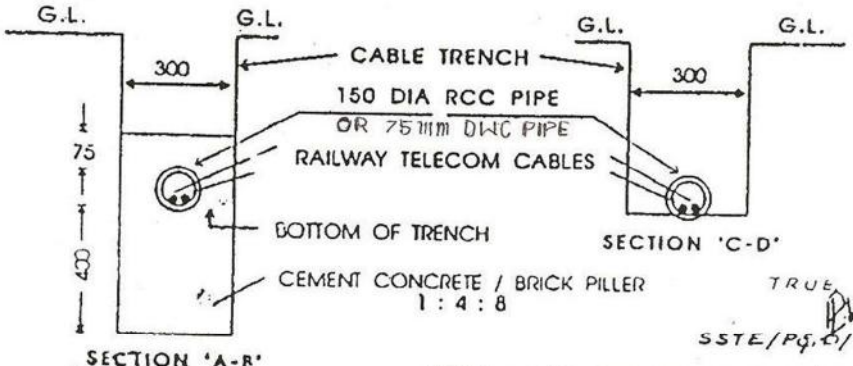
ANNEXURE 3.8



ELEVATION



PLAN



SECTION 'C-D'

SECTION 'A-B'

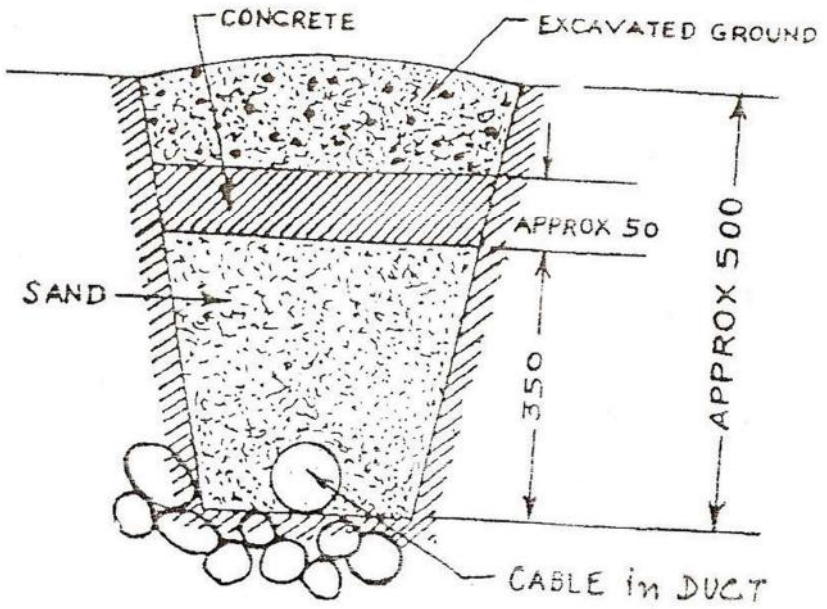
TRUE COPY

SSTE/PG.D/CORE/ALD

NOTE :- ALL DIMENTIONS IN MILIMETER

	CSTE	Sd - DRN	LAYING OF CABLE BELOW CULVERTS IN RCC PIPE OR DWC PIPE	DRG. NO RE / S&T/ ALD / SK / 164 / 81A
- Sd -	DY CSTE	ICD		PG.
- Sd -	SSTE/T	- Sd - CHD	RAILWAY ELECTRIFICATION	DT.
- Sd -	ASTE/T			NOT TO SCALE

ANNEXURE 3-11



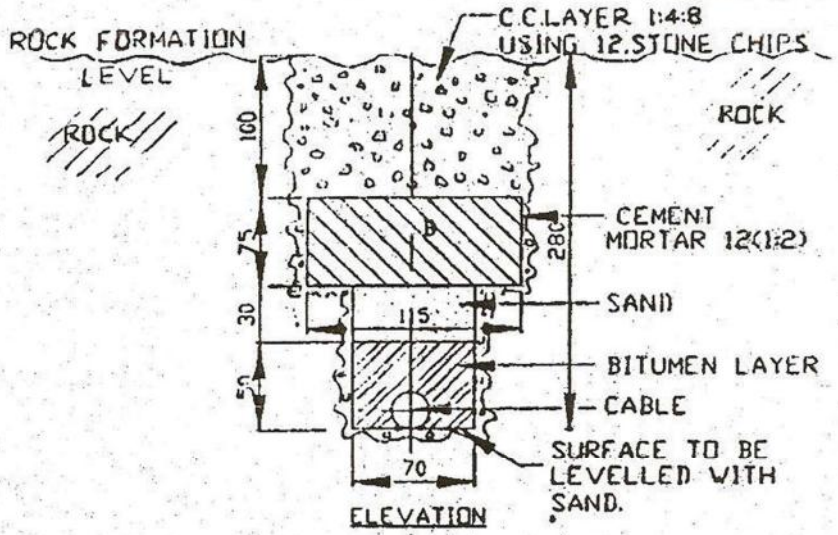
NOTES

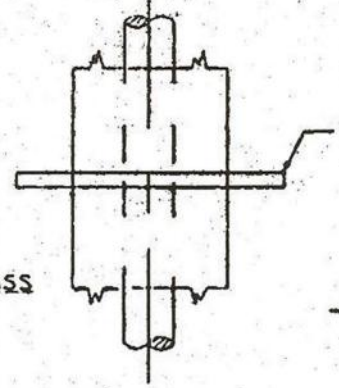
1. ALL DIMENSIONS ARE IN mm.
2. NOT TO SCALE.

R.D.S.O.

LAYING OF FIBRE OPTIC CABLE IN ROCKY AREA

ANNEXURE 3.11





B.BRICKS.SECOND.CLASS

ALT.'A' ADDED

Sd

SSTE/T/RE. 22/7/87

PLAN WITH TOP BRICKS REMOVED

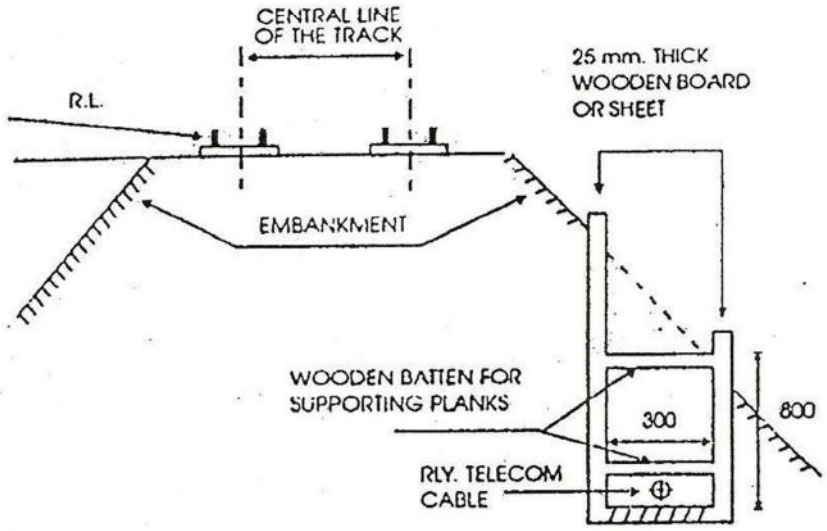
(1) BOTTOM OF THE CHANNEL SHALL BE FILLED WITH SAND 25 TO LEVEL UNEVEN SURFACE.
(2) SLOPE SHALL BE SMOOTHLY SHAPED AND PLASTERED (1:3) INSTED OF PROVIDING SAND.
(3) ALL DIMENSIONS ARE IN MM.
(4) CABLE MARKER NOT SHOWN IN ELEVATION.
(5) CABLE MARKERS S ALL BE PROVIDED BETWEEN TWO TOP BRICKS AND THE WIDTH OF THE CHANNEL AT THE TOP SHALL BE SUITABLY EXTENDED TO ACCOMMODATE CABLE MARKER

TRUE COPY

SSTE/P&D/CORE ALD

Sd	DY CSTE	Sd. TCD.	CHASE CUTTING IN HARD ROCKY AREA	DRG NO.	RE/S&T/ALD /SK/303/85
Sd. 25/11/85	SSTE (T)	Sd. DRN.		PG	
	ASTE (H.Q.)	Sd. CHD.	RAILWAY ELECTRIFICATION	DATE	NOT TO SCALE

ANNEXURE - 3.3



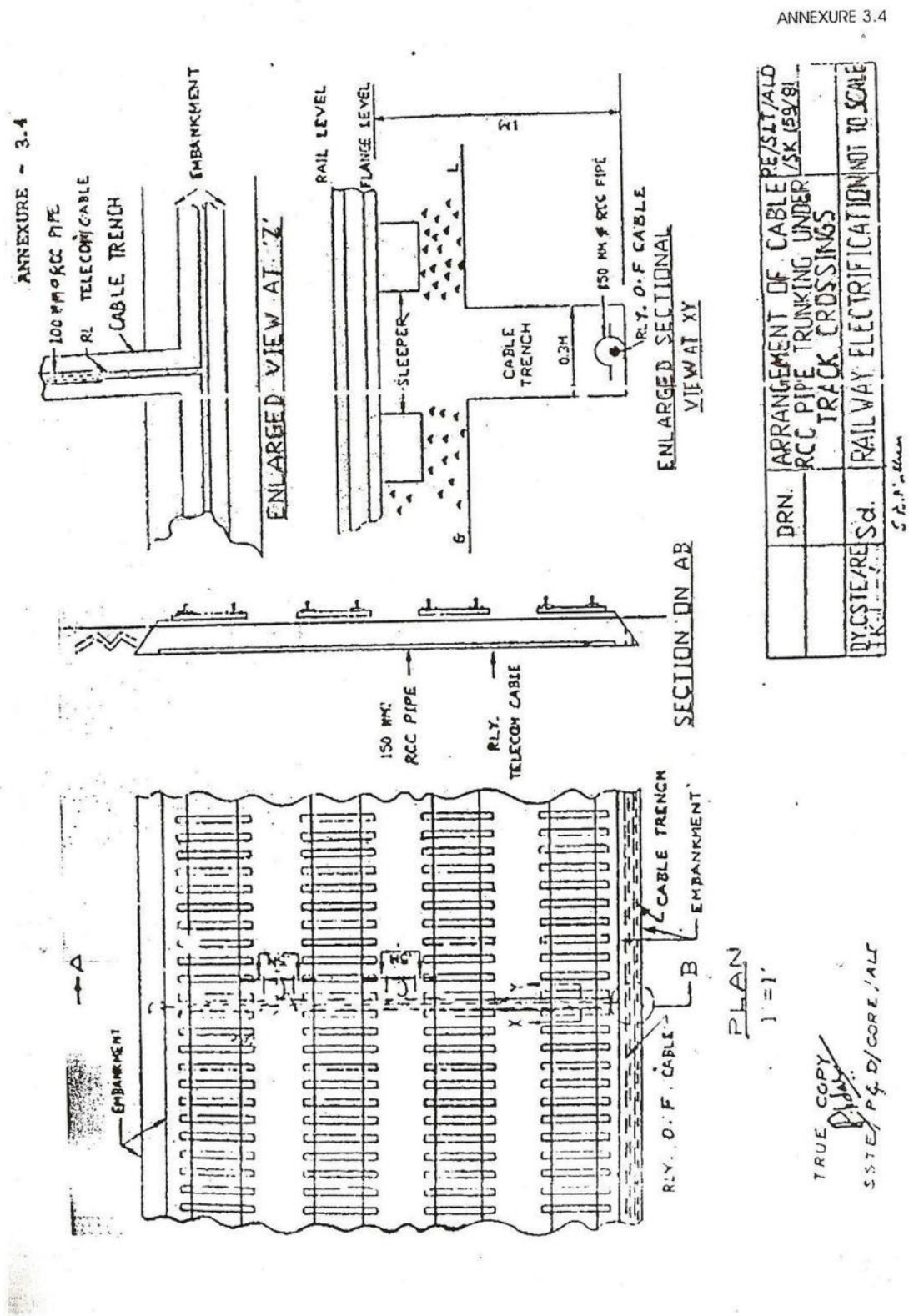
TRUE COPY

SSTE/P.S D/CORE/ALD

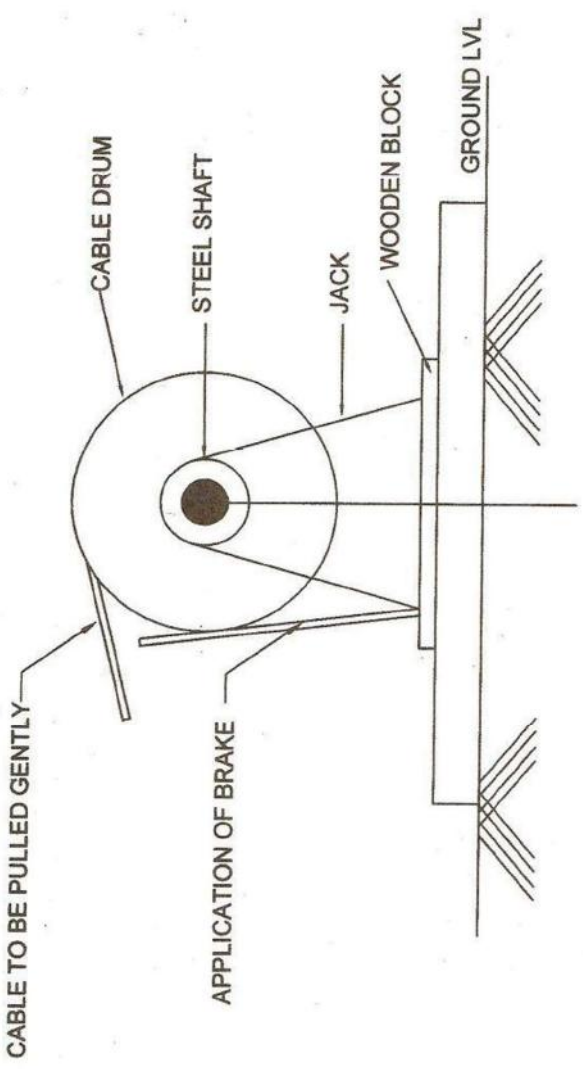
NOTE :-
1. DIMENTIONS ARE IN MILIMETER

	CSTE	DRN	METHOD OF SHORTING EXCAVATING TRENCH FOR CABLE	R.D.S.O/TC/35003
	DY CSTE	COM		SG
	SSTE/T	CTI	R.D.S.O.	DT.
	ASTE/T	COMP		NOT TO SCALE

ANNEXURE 3.4



TRUE COPY

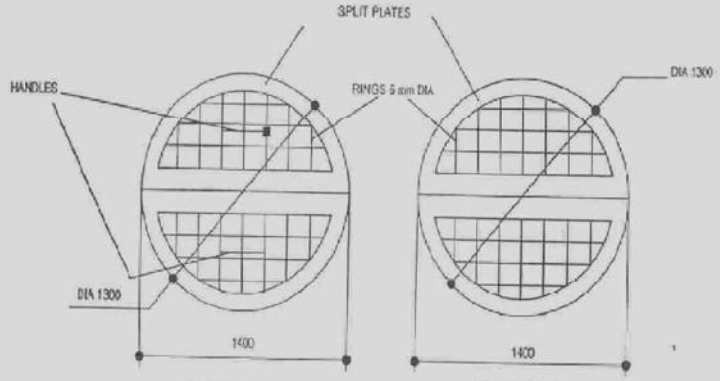


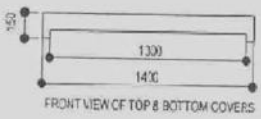
RAILTEL CORPORATION OF INDIA Ltd	
RGM/SR/SC	Drg.No.RAILTEL/SR/OFC/2008/13
METHOD OF MOUNTING THE BRAKE	
NOT TO SCALE	
CONSULTANT	(G.Veeraswamy)
MANAGER/PROJ	(M Murali krishna)
AGM/SC	(P V Murali krishna)

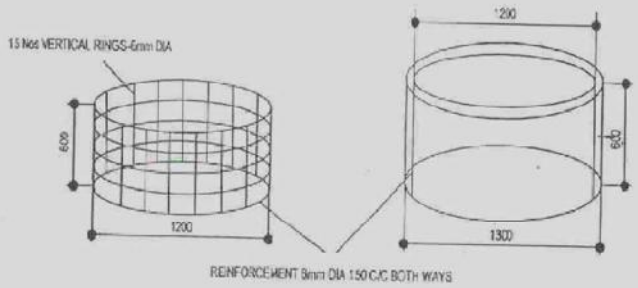
ANNEXURE 2-14

RAIL TEL CORPORATION OF INDIA LTD.

RCC CIRCULAR JOINT ENCLOSURE



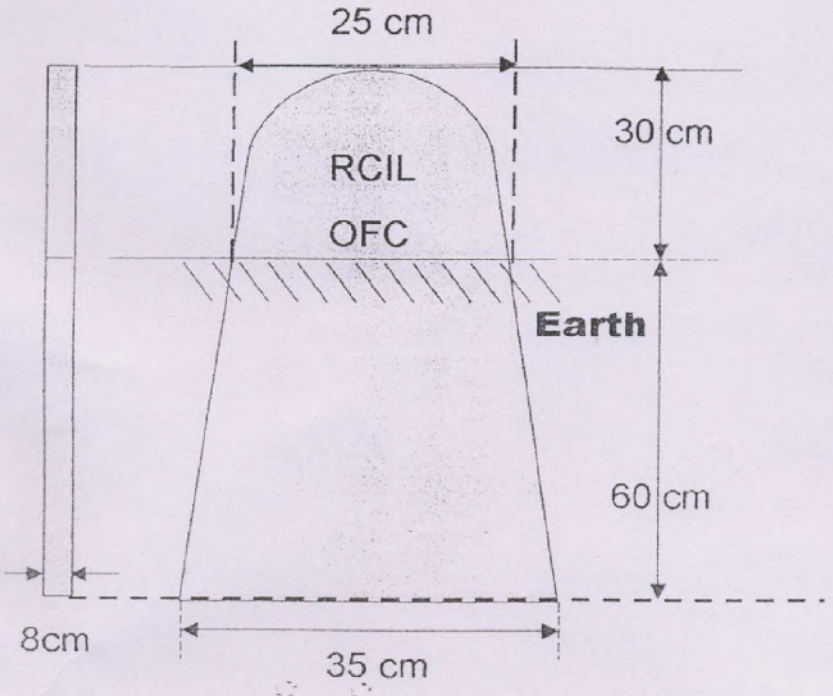




DRG.NO. RCIL/N.REGION/03/2004

RailTel Corporation of India Limited

R.C.C Cable Route Marker (Stone)

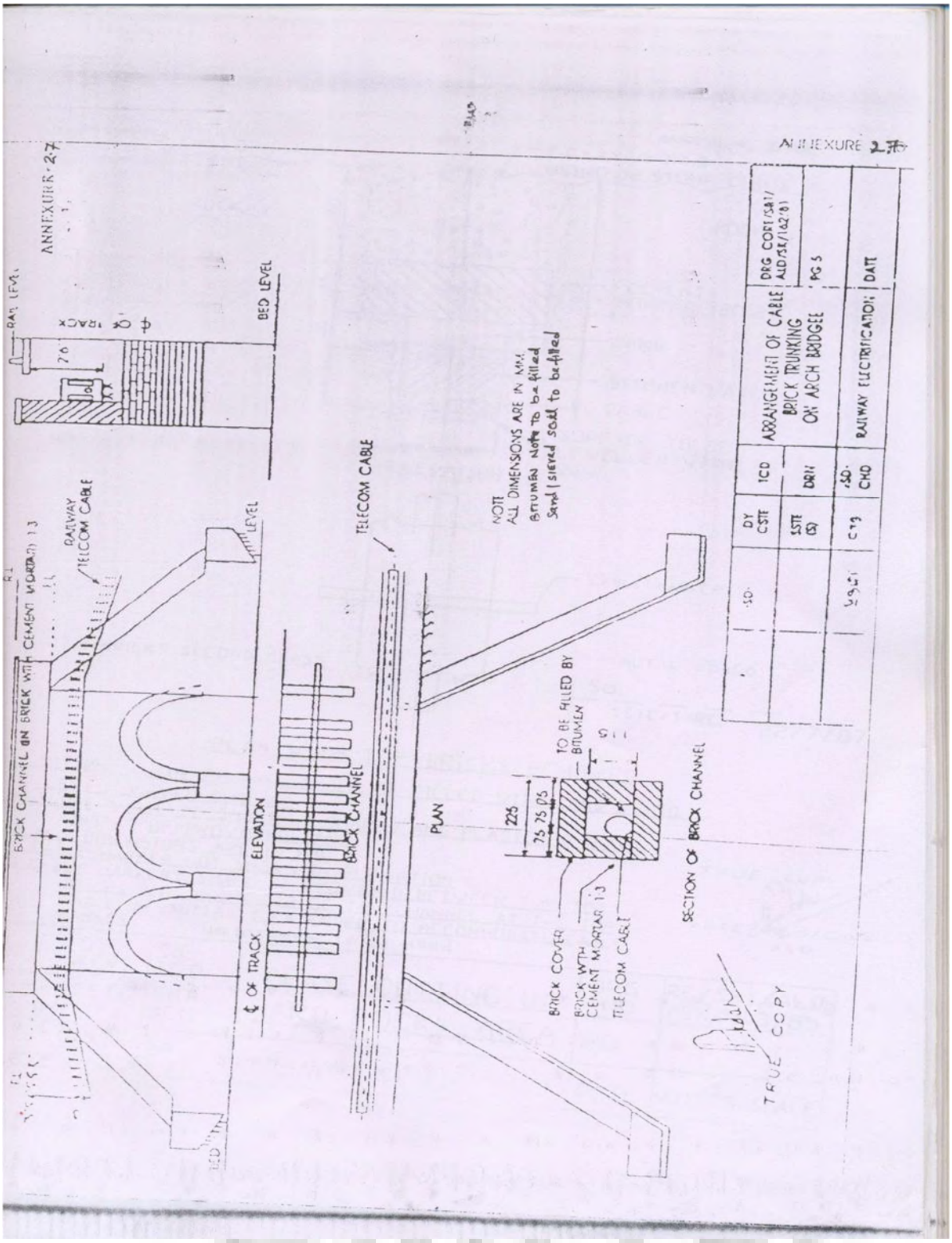


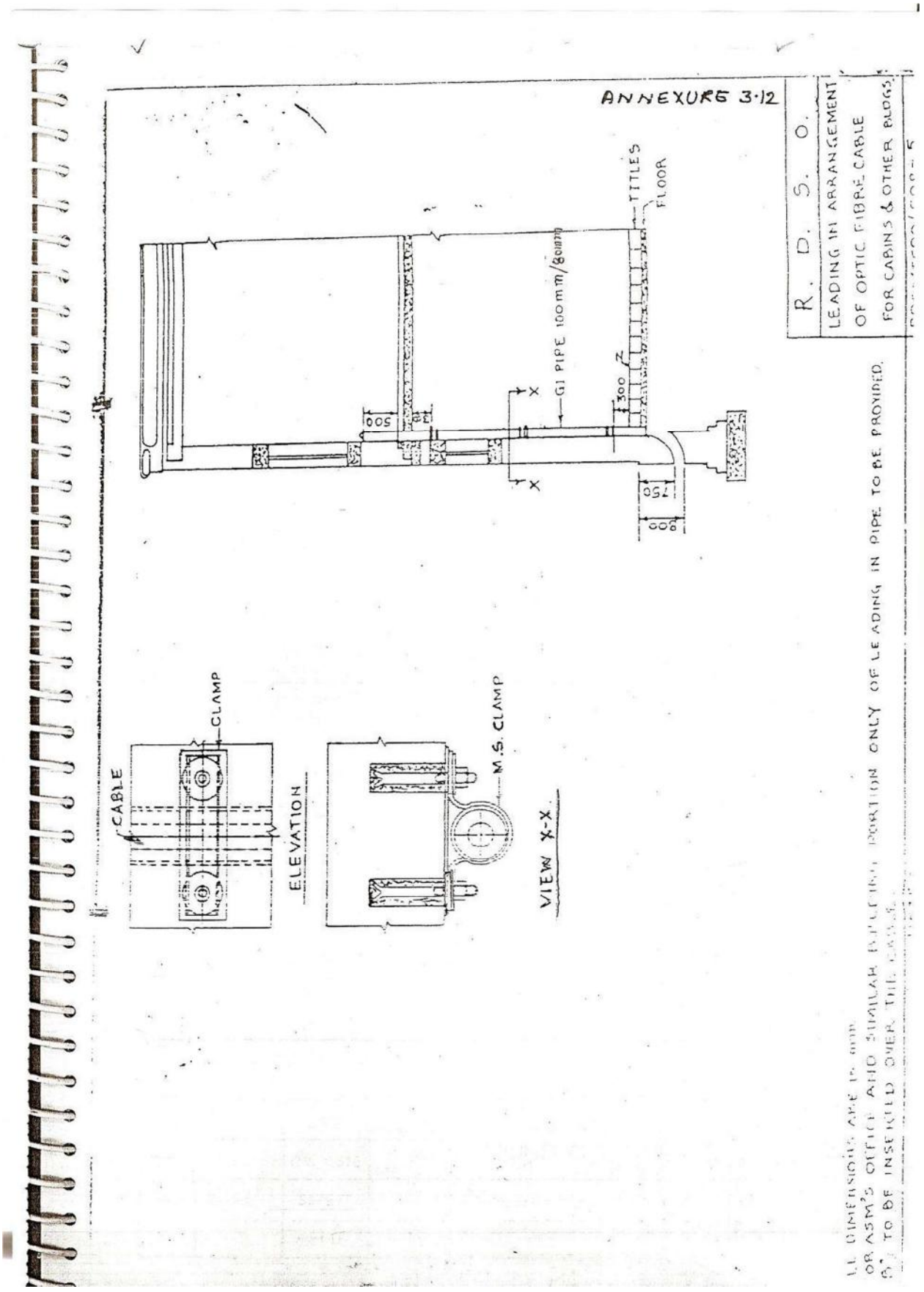
SIDE VIEW **FRONT VEIW**

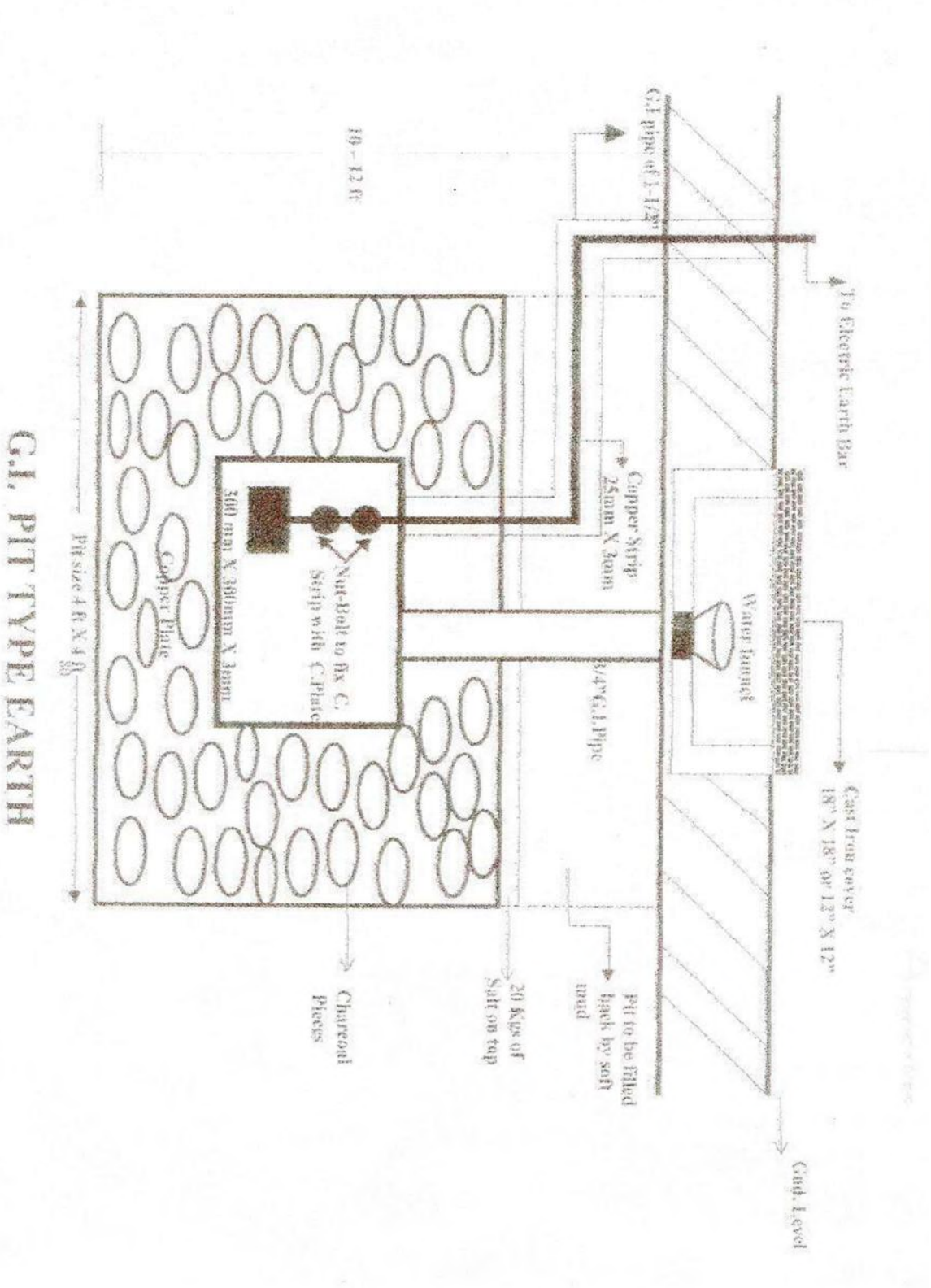
Not To Scale

1. All Sides above ground to be Painted with Red enameled Paint to IS specification with Two Coats.
2. All Sides above ground to be Painted with Green enameled Paint to IS specification with 2 Coats at OFC Joints .
3. RCIL OFC to be engraved.
4. Engraved portion to be Painted with White Enameled Paint to IS specification with 2 Coats.

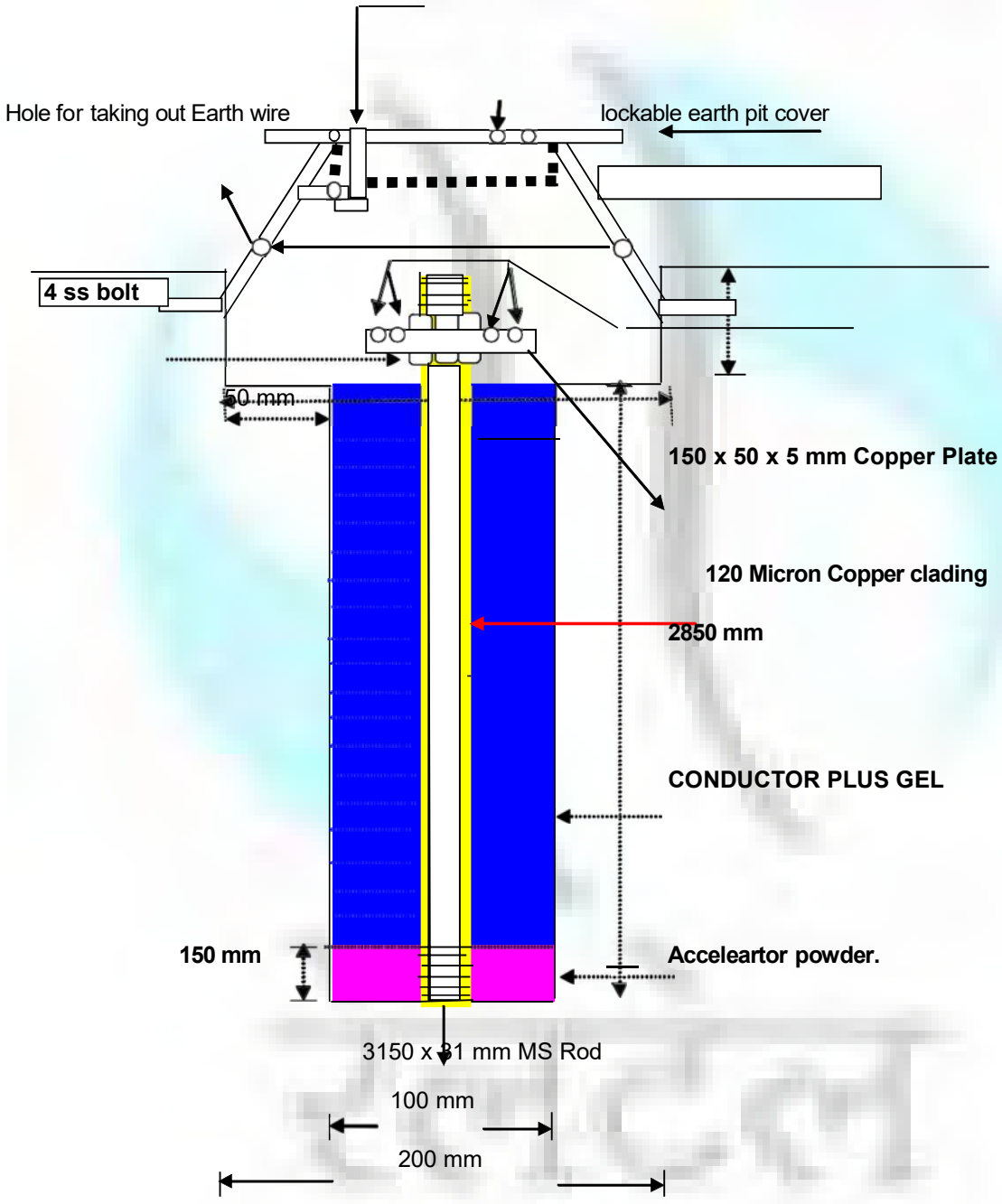
Drg No. RCIL/N Region/01/2004

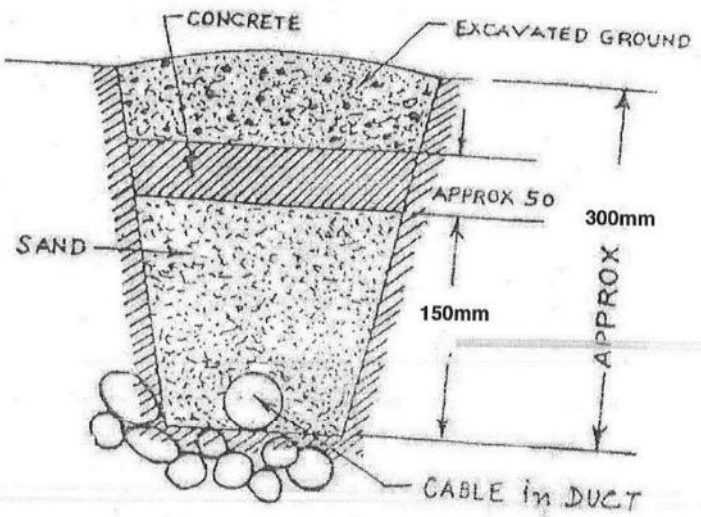

ANNEXURE-27
ANNEXURE 27
BRICK CHANNEL ON BRICK WITH CEMENT MORTAR 1:3
RAILWAY TELECOM CABLE
BED LEVEL
TELECOM CABLE
ELEVATION
BRICK CHANNEL
PLAN
NOTE
ALL DIMENSIONS ARE IN MM.
BITUMEN NOTE To be filled
Sand (sieved soil to be filled
TO BE FILLED BY BITUMEN
225
75 75 75
BRICK COVER
BRICK WITH CEMENT MORTAR 1:3
TELECOM CABLE
SECTION OF BRICK CHANNEL
TRUE COPY
ARRANGEMENT OF CABLE BRICK TRUNKING ON ARCH BRIDGE
DRG CONFORMITY ALD/SE/162/81
RAILWAY ELECTRIFICATION
DATE


ANNEXURE 3.12
R. D. S. O.
LEADING IN ARRANGEMENT
OF OPTIC FIBRE CABLE
FOR CABINS & OTHER BLDGS.
TITLES
FLOOR
G1 PIPE 100 mm ø
300
500
X
X
CLAMP
CABLE
ELEVATION
M.S. CLAMP
VIEW X-X
ONLY OF LEADING IN PIPE TO BE PROVIDED.


G.I. PIT TYPE EARTH
To Electric Earth Bar
Copper Strip
25mm X 3mm
Water funnel
Cast Iron cover
18" X 18" or 12" X 12"
Nut-Bolt to fix C.
Strip with C.Plate
Copper Plate
Charcoal
Pieces
Pit to be filled
back by soft
mud
Cmtd. Level

Maintenance Free Earthing





RO/RCIL/NR/20

LAYING OF FIBRE OPTIC CABLE IN ROCKY AREA

NOTES

1. ALL DIMENSIONS ARE IN mm.
2. NOT TO SCALE.

END