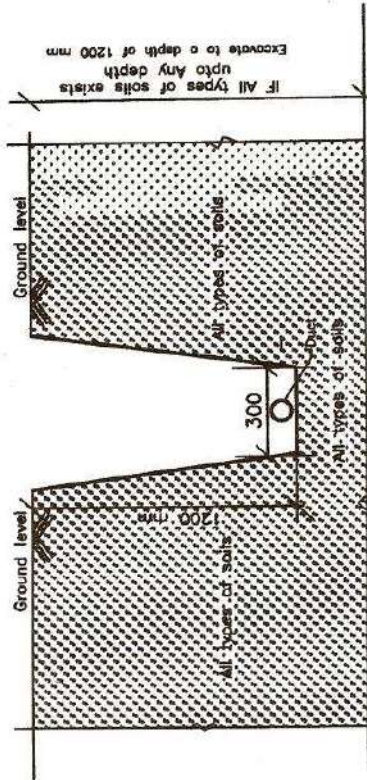


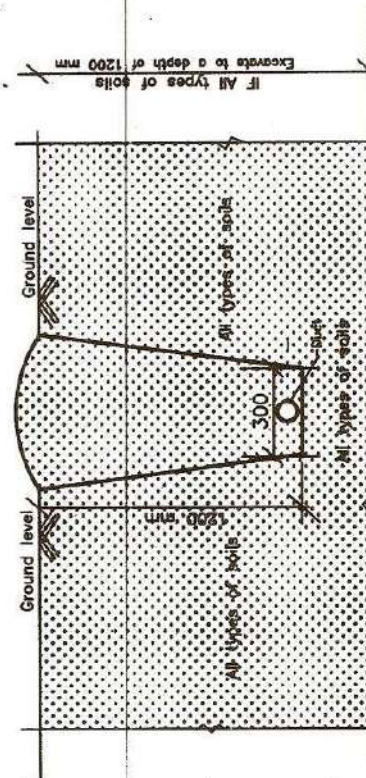
SOIL STRATA.

FIG.1.1



DURING EXECUTION OF WORK.

FIG.1.2

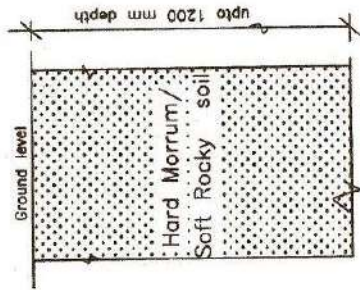


AFTER COMPLETION OF REFILLING.

FIG.1.3

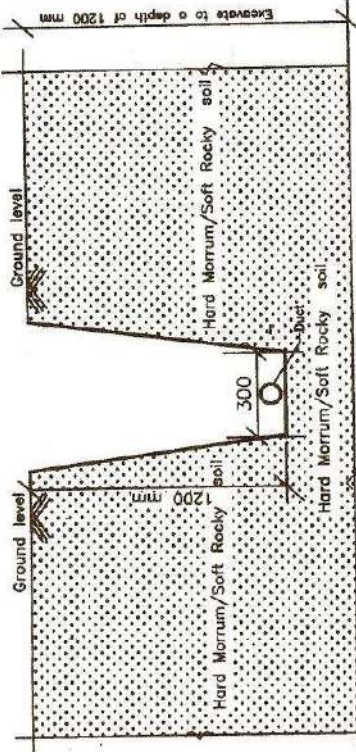
Note: All dimensions are in millimetres.

RAILTEL CORPORATION OF INDIA Ltd..	
RGM/SR/SC.	DRC No.RAILTEL/SR/OFC/2008/1.
SKETCH SHOWING THE PROCEDURE FOR EXCAVATION OF CABLE TRENCH IN ALL TYPES OF SOILS (Normal soil/Soft soil/Sandy soil)	
NOT TO SCALE	
CONSULTANT.	(G VEERASWAMY)
MANAGER/PROJ	(M MURALI KRISHNA)
AGM/SC.	(P V MURALI KRISHNA)



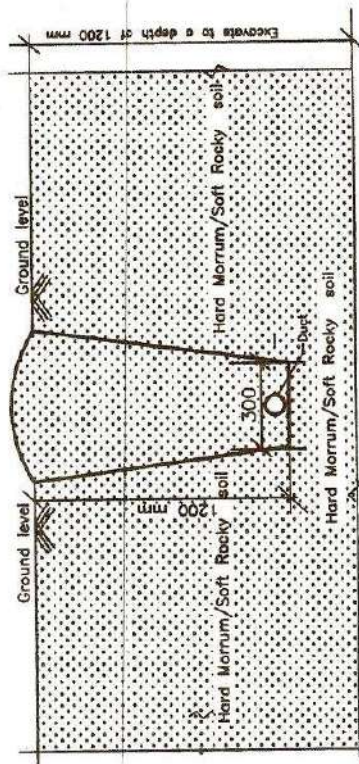
SOIL STRATA.

FIG.2.1



DURING EXECUTION OF WORK.

FIG.2.2

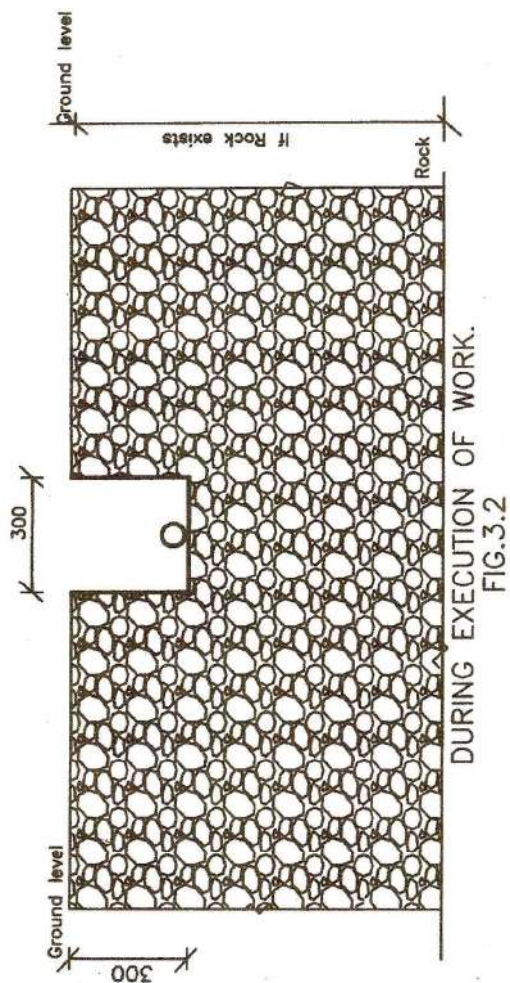
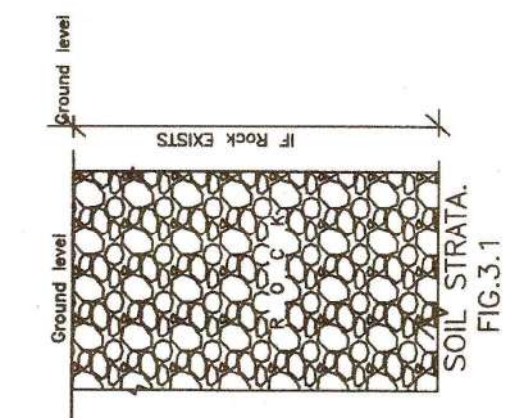


AFTER COMPLETION OF REFILLING.

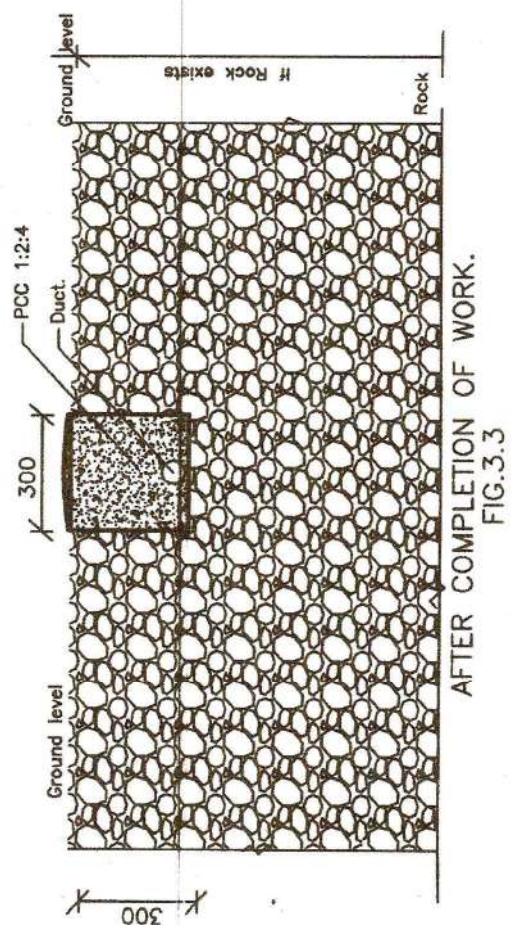
FIG.2.3

Note: All dimensions are in millimetres.

RAILTEL CORPORATION OF INDIA Ltd.	
RGM/SR/SC.	DRG No.RAILTEL/SR/OFC/2008/2.
SKETCH SHOWING THE PROCEDURE FOR EXCAVATION OF CABLE TRENCH IN Hard Morrum/Soft Rocky soil	
NOT TO SCALE	
CONSULTANT.	(G VEERASWAMY)
MANAGER/PROJ	M. Murali
AGM/SC.	(P V MURALI KRISHNA) 15/2/18



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.	

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

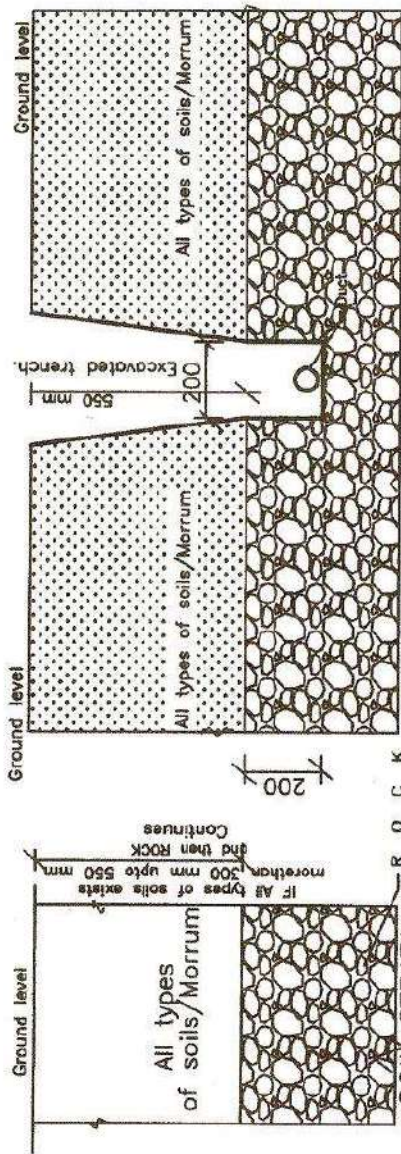
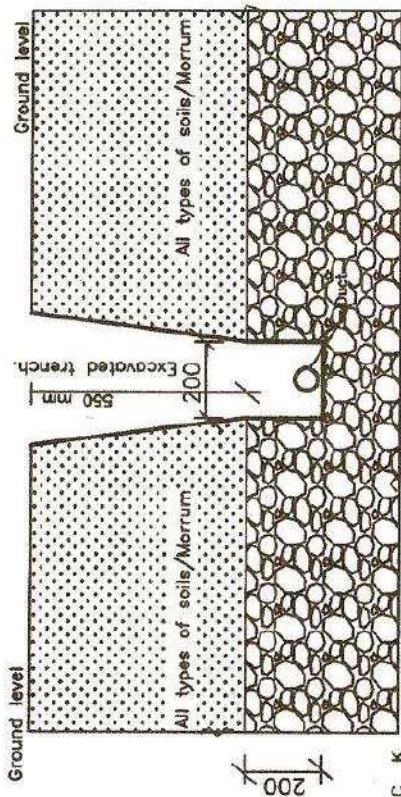


FIG.4.2 DURING EXECUTION OF WORK.



NOTE;

1.All dimensions are in millimetres.

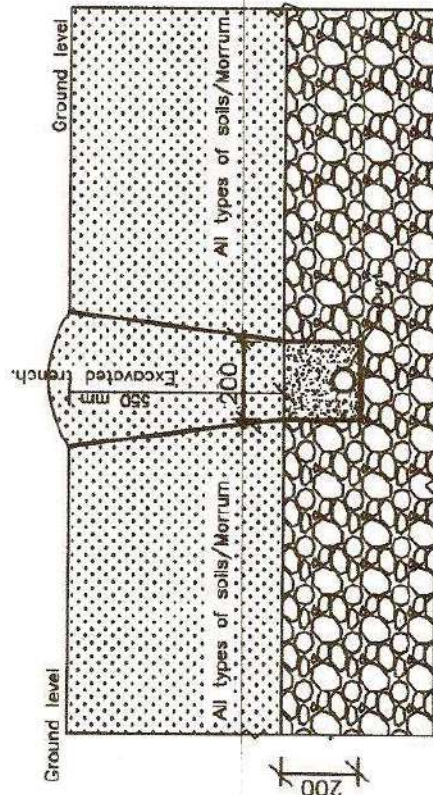
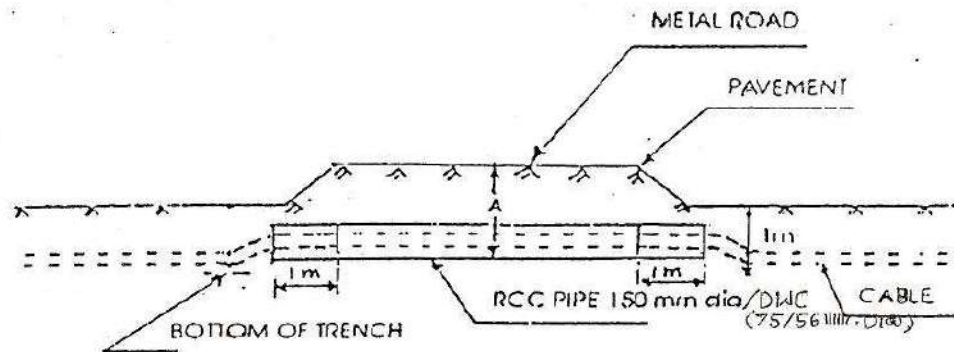


FIG.4.3 AFTER COMPLETION OF REFILLING.

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) <i>h/b</i>
MANAGER/PROJ	(M MURALI KRISHNA) <i>M. Murali</i>
AGM/SC.	<i>[Signature]</i> 15/10

/S V MURALI KRISHNA



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	DRG NO. RE/SS1/ ALD/SE/497/2000
-	DY CSTE	SE/D	TRUNKING UNDER METAL ROADS	PG
-	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

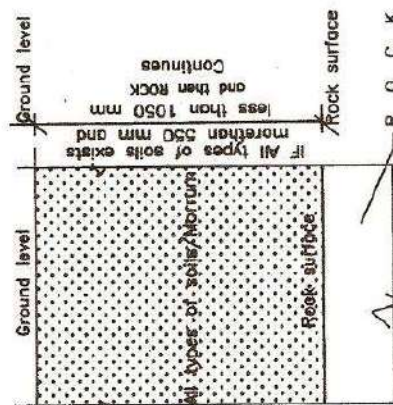


FIG. 5.1

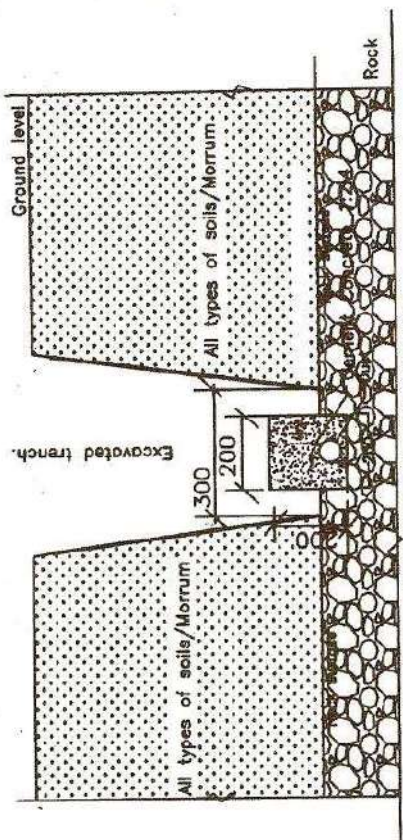


FIG. 5.2

Note: All dimensions are in millimetres.

Depth of Rock from surface	Cutting of ROCK		Plain cement concrete	
	width	depth	Top level	Bottom level
800	200	150	550	750
650	200	100	550	750
750	200	NA	550	750
850	200	NA	650	850
950	200	NA	750	950
1050	200	NA	850	1050

NOTE:

1. All dimensions are in millimetres.

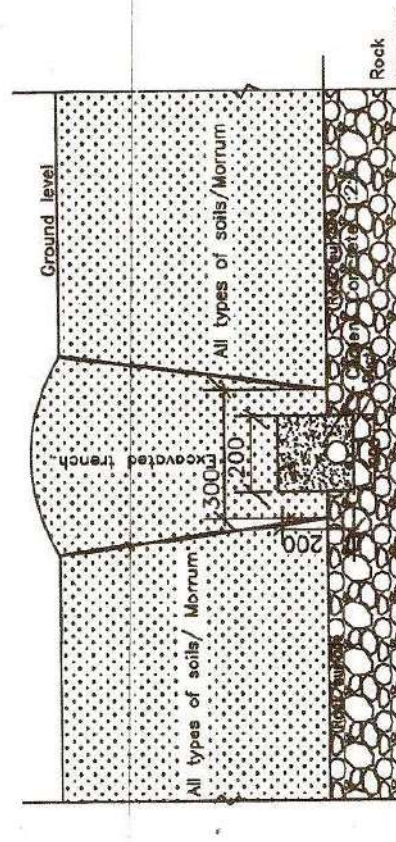
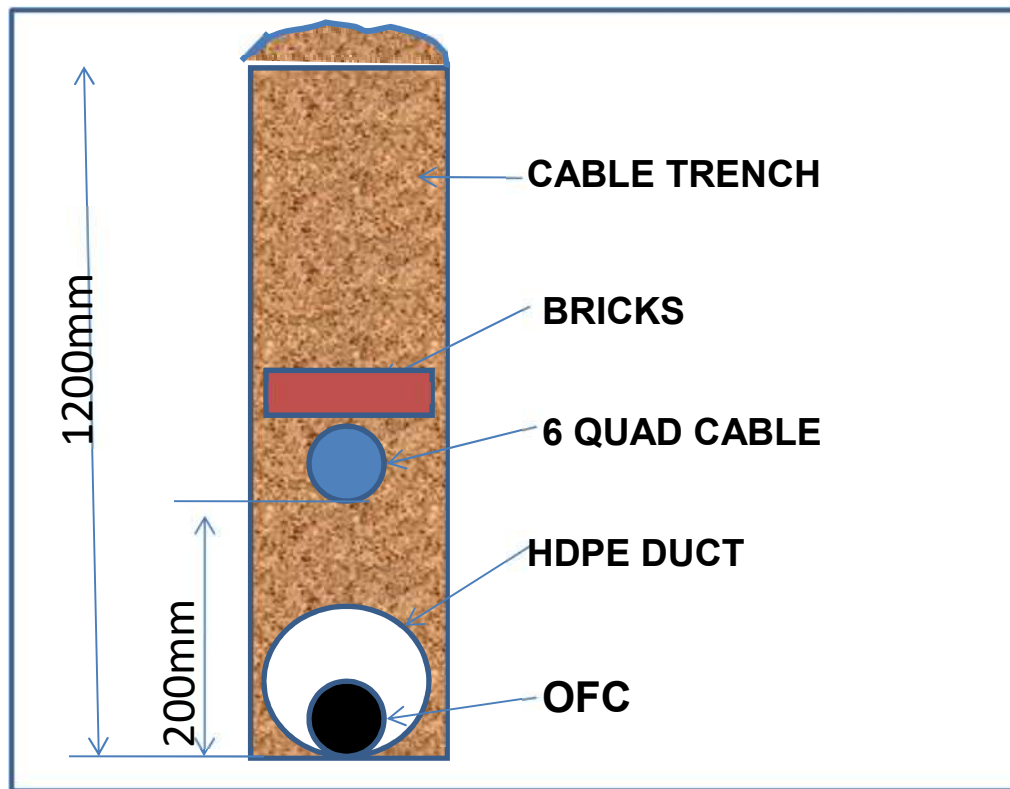


FIG. 5.3

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 less than 1050	
NOT TO SCALE	
CONSULTANT.	(G VEERASWAMY)
MANAGER/PROJ	(M MURALI KRISHNA)
AGM/SC.	(P V MURALI KRISHNA)

Trenching & Laying of HDPE Duct and 6 Qd Cable

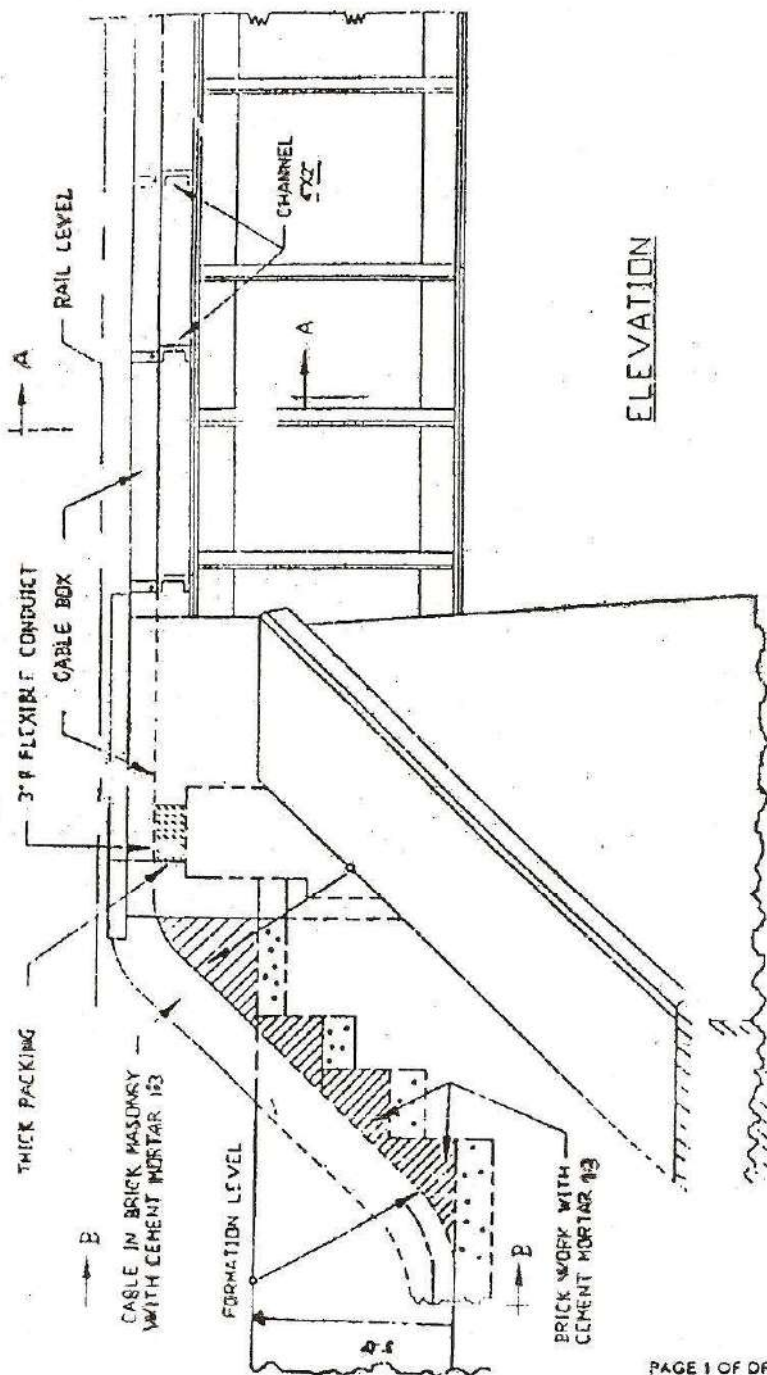
- 1.0** .Basically the HDPE duct is to be laid into the ground in a depth of 1200 mm or at the bottom of the trench. 6Qd cable shall be laid after 200 mm back filling i.e. at a depth of 1000mm, followed by bricks proction as shown in the diagram below.



- 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

3.5



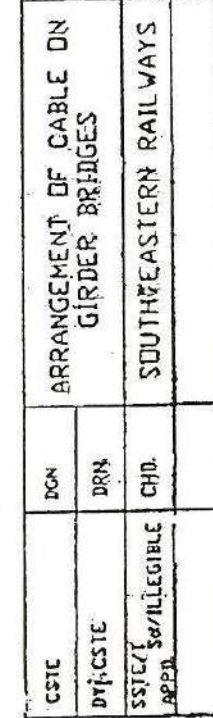
ELEVATION

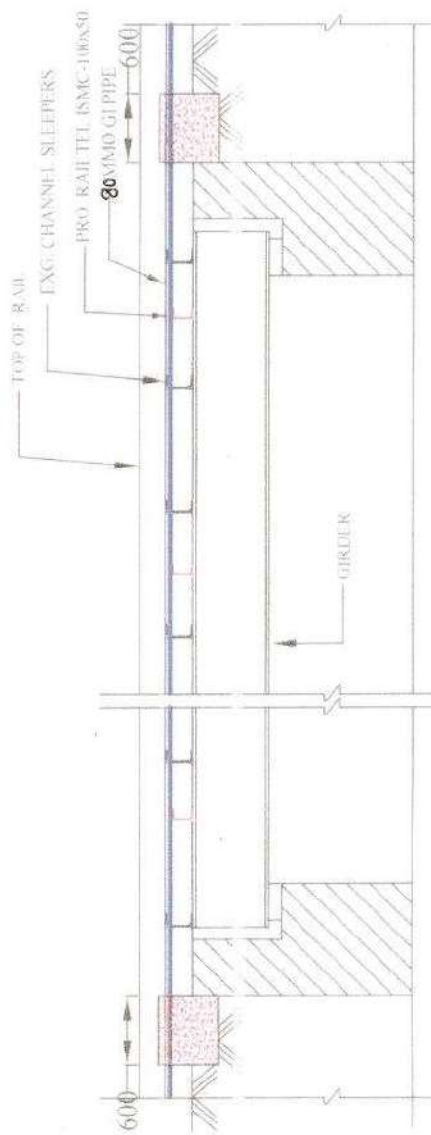
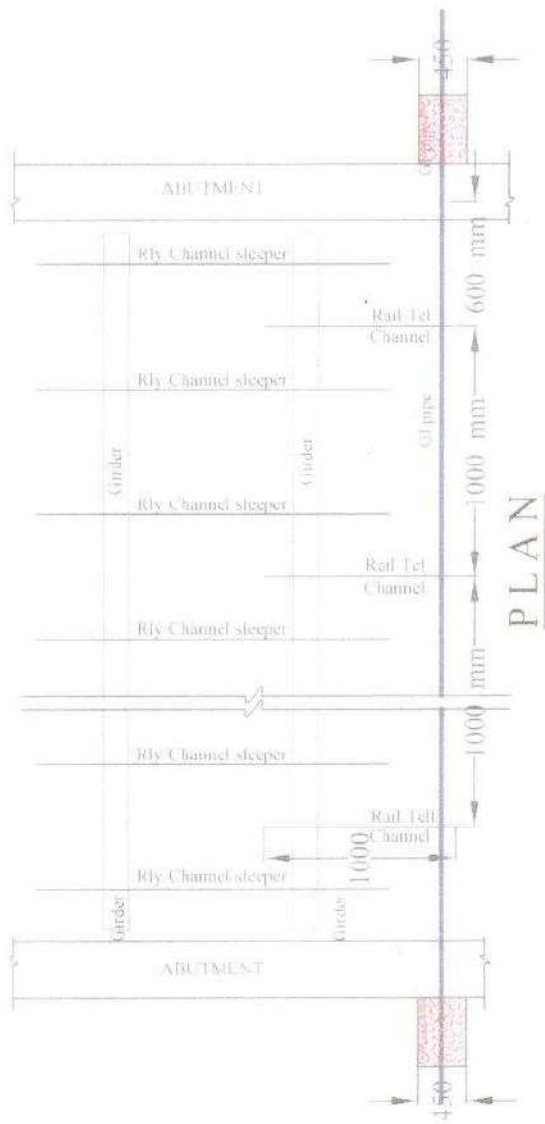
ANNEXURE 3.5 - I

DRG NO RE/42/172A	PG 1/2	DT	NOT TO SCALE
ARRANGEMENT OF CABLE ON GIRDER BRIDGES	DT		
SOUTH EASTERN RAILWAYS			

TRUE COPY
SSTE/P&D/CORE/ALD

176





Note:

1. All dimensions are in millimetres.
2. Proposals are shown in colour.

Sheet No. 1 of 2

RAIL TEL CORPORATION OF INDIA.

REGD. NO. RAIL TEL. SR. 2008/6.

SKETCH SHOWING THE FIXING OF 80 MM GI PIPE ON TOP OF GIRDER BRIDGE

NOT TO SCALE

CONSULTANT

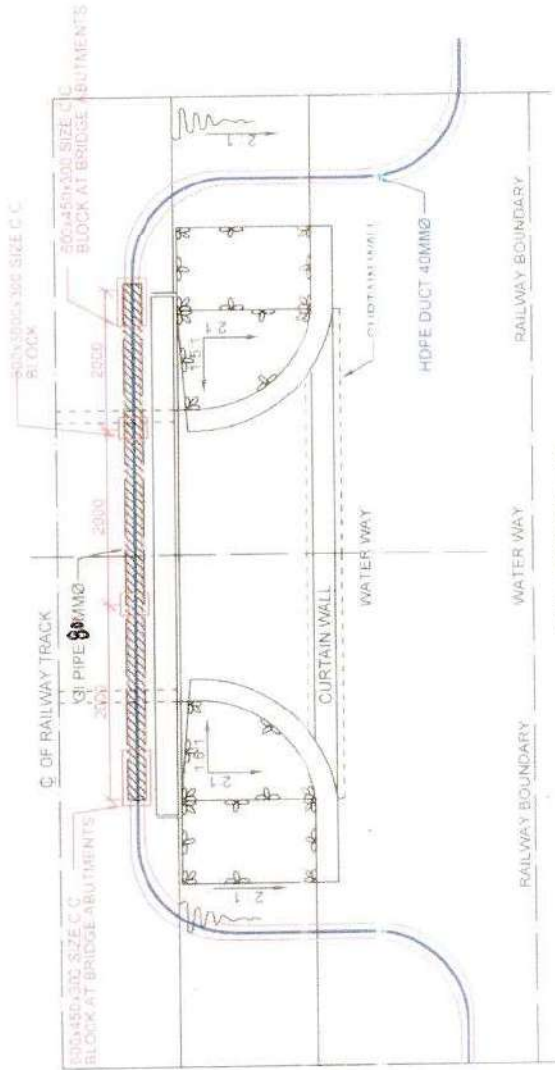
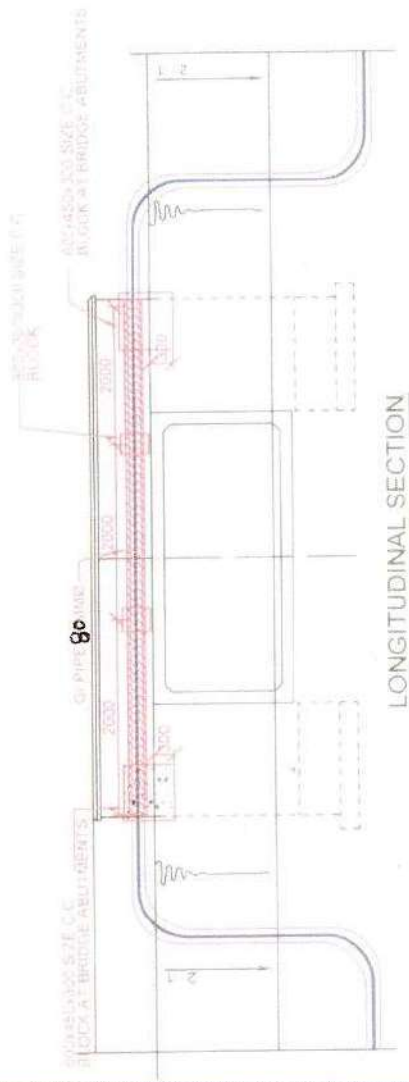
(G. VEERASWAMY)

MANAGER PROJ

(M. RAJ KRISHNA)

AGM/SC.

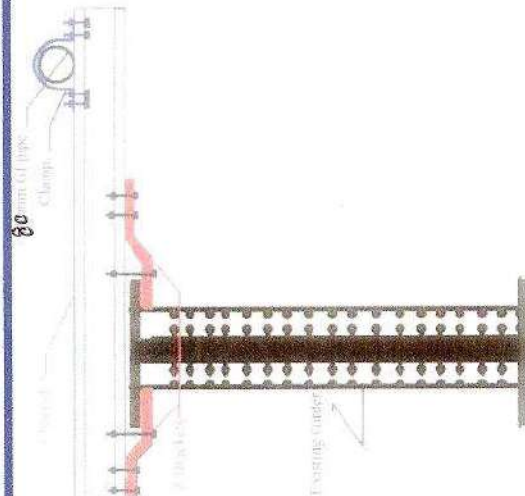
(S. SURESH KUMAR)



- Note:
1. All dimensions are in millimetres
 2. proposals are shown in colour

Sheet No. 2 of 2.

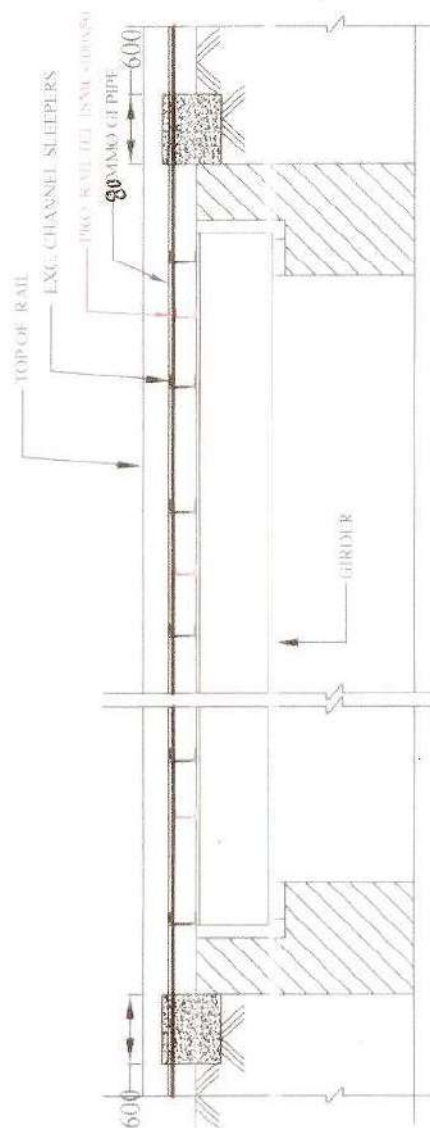
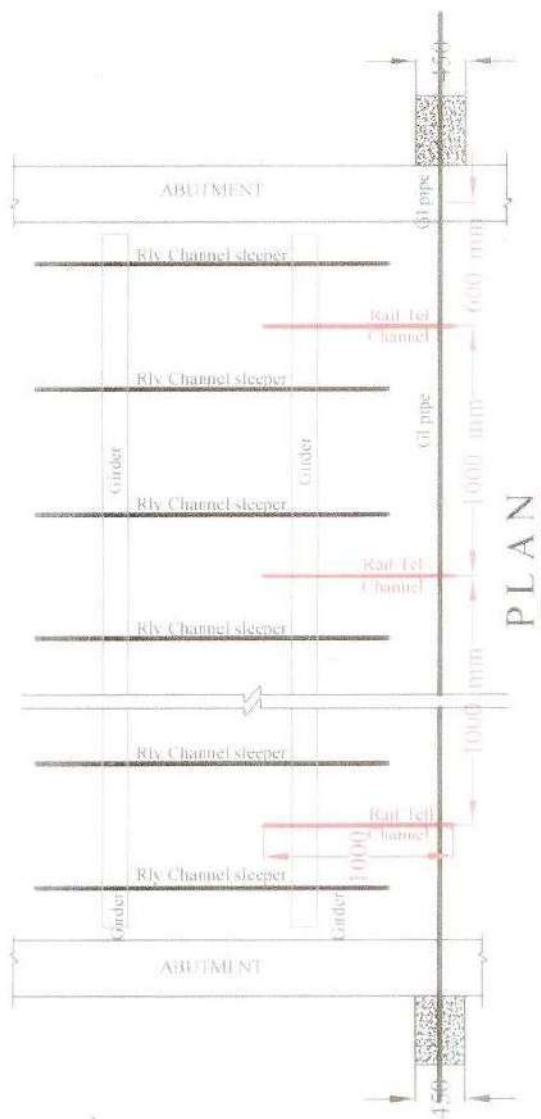
RAILTEL CORPORATION OF INDIA Ltd	
RGM/SR/SC	Drg No RAIL TEL/SR/OFC/2008/6
SKETCH SHOWING LAYING OF CABLE OVER RCC CULVERT	
NOT TO SCALE	
CONSULTANT	(G. Veeraswamy)
MANAGER/PROJ	(M. Murali Krishna)
AGM/SC	(P. V. Murali Krishna)

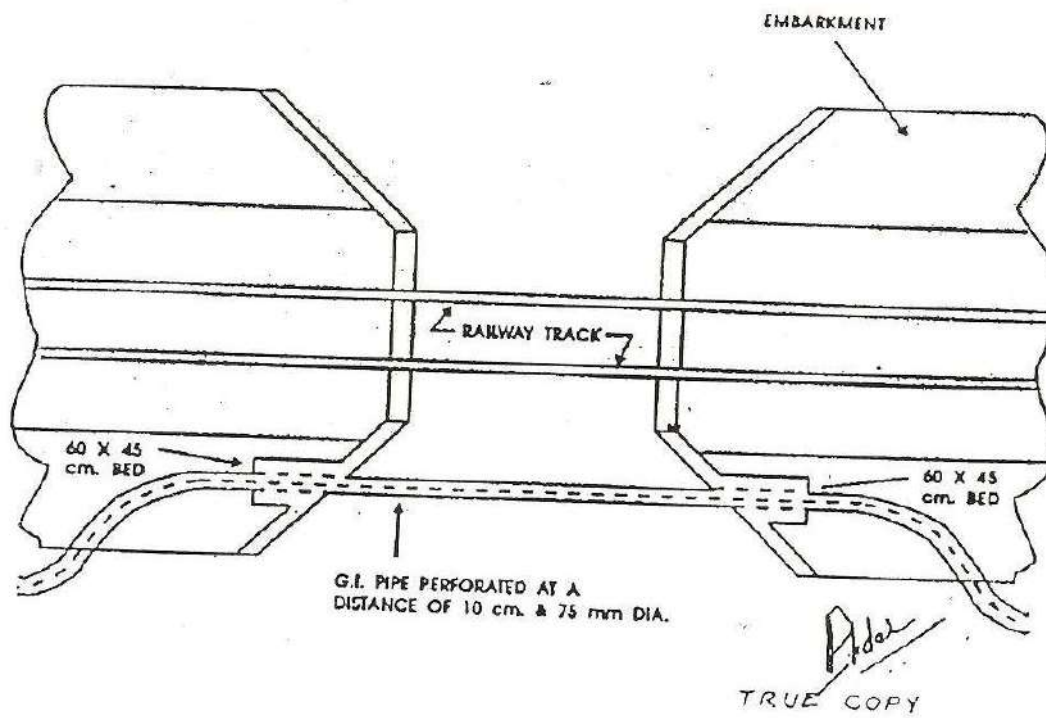
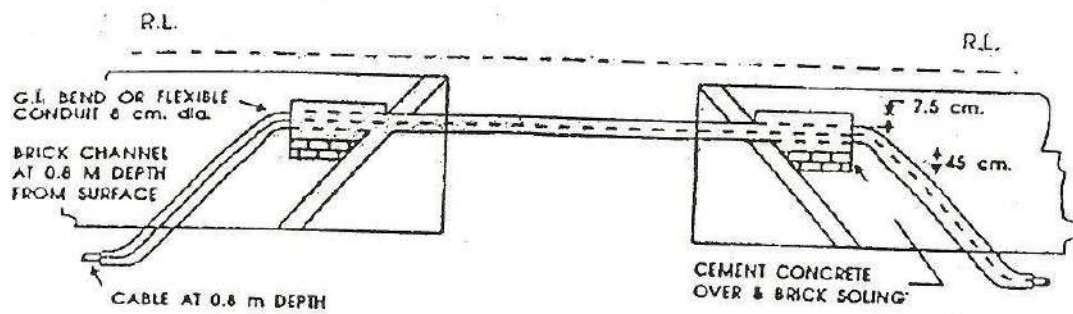


Channel : ISMC 100x50 Av. Length 1000.
varies as per site condition.
Brackets: 300 X 1.5d X 12 Z- shape.
varies & depends on number of
Top flange plates.
Bolts & Nuts: 16 mm.
Clamp for fixing 80 mm dia GI pipe.

Note: 1. All dimensions are in millimetres.
2. Proposals are shown in colour.

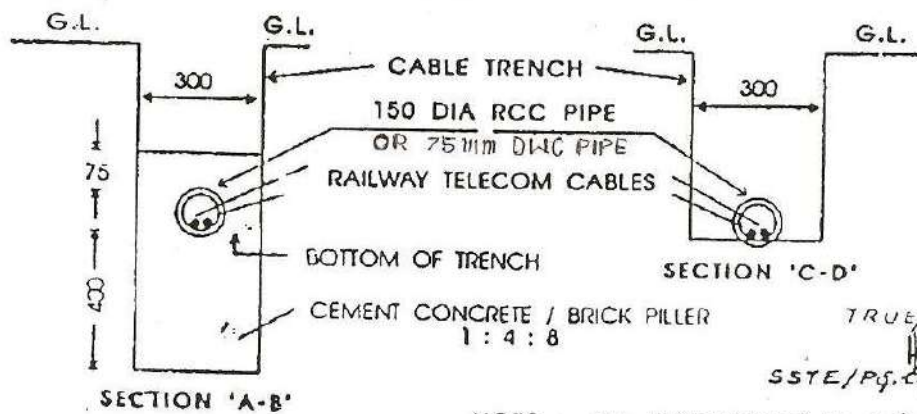
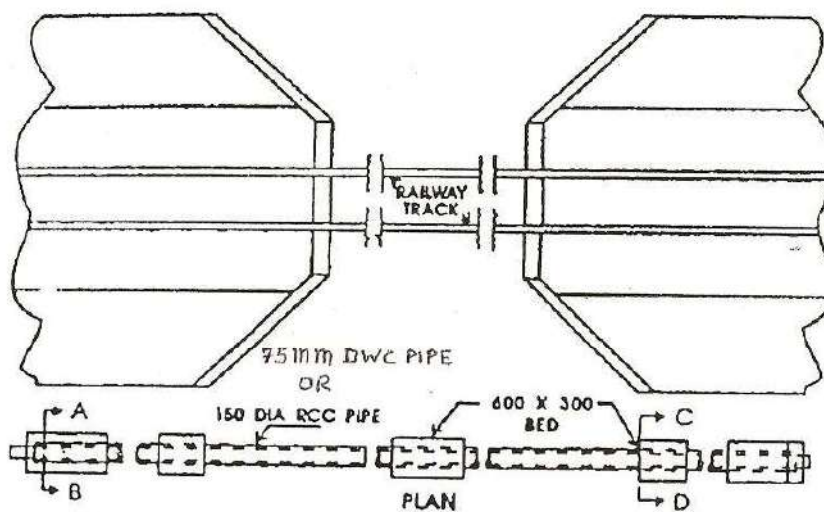
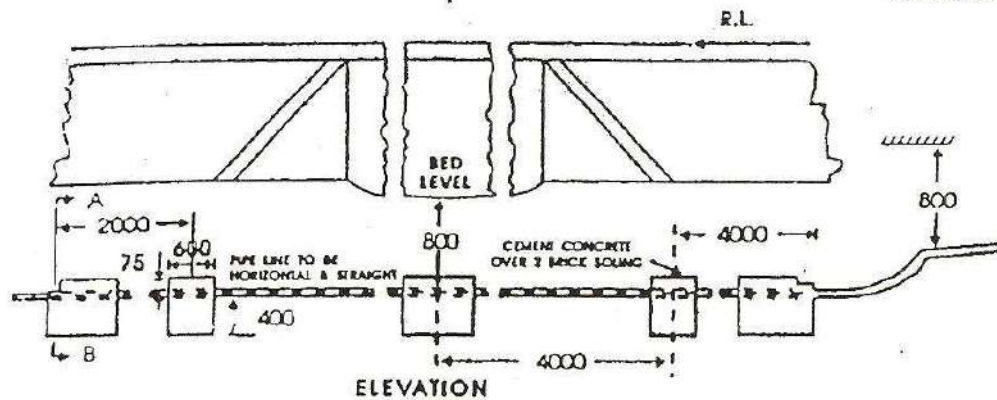
RAIL TEL CORPORATION OF INDIA.	
RG/MSR/SC.	DRG No RAIL TEL SR OFC/2008/7
SKETCH SHOWING THE FIXING OF 50MM IO GI PIPE ON TOP OF GIRDER BRIDGE	
NOT TO SCALE	
CONSULTANT.	GOVERNMENT
MANAGER PROJ	GENERAL KRISHNA
AGM/SC	





SSTE/P&D/CORE/ALD

	CSTE	DAN	G.I. PIPES ON CULVERTS.	DRG. NO. RE / SAT /
Sd	DY CSTE	COM		ALD / SK / 160 / 01
	SSTE/T	CTI	RAILWAY ELECTRIFICATION	PG.
	ASTE/T			DT.
				NOT TO SCALE



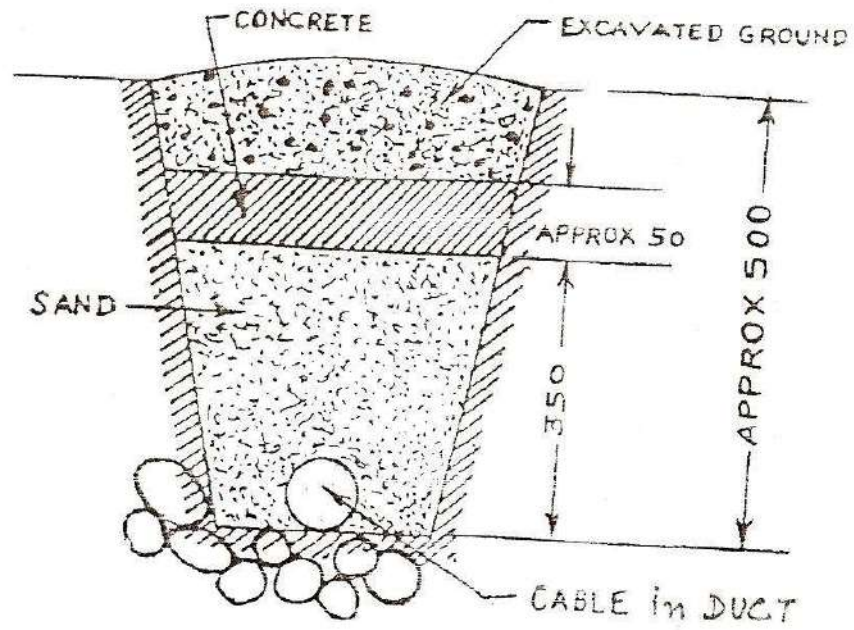
TRUE COPY

SSTE/PSD/CORF/ALD

NOTE :- ALL DIMENSIONS IN MILLIMETER

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

ANNEXURE 3-11



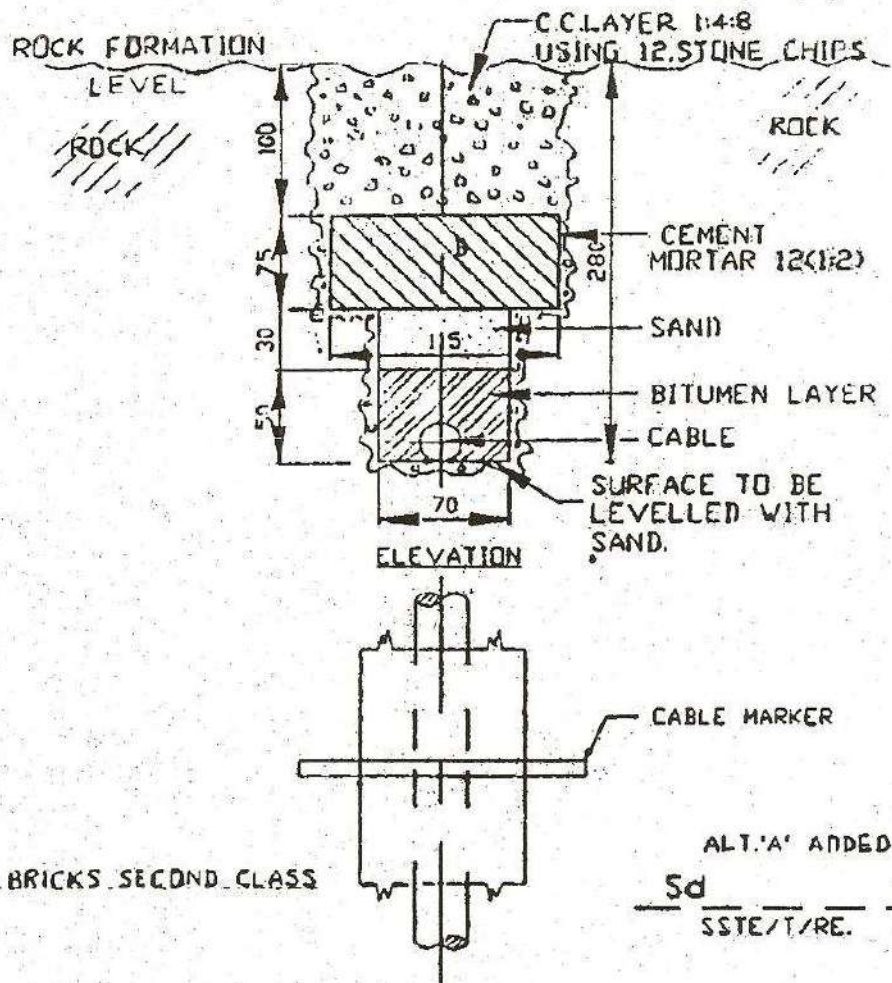
2. NOT TO SCALE.
1. ALL DIMENSIONS ARE IN mm.

NOTES

R.D.S.O.

LAYING OF FIBRE
OPTIC CABLE IN
ROCKY AREA

ANNEXURE 3.11



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) INSTEAD OF PROVIDING SAND.
- (3) ALL DIMENSIONS ARE IN MM.
- (4) CABLE MARKER NOT SHOWN IN ELEVATION.
- (5) CABLE MARKERS SHALL BE PROVIDED BETWEEN TWO TOP BRICKS AND THE WIDTH OF THE CHANNEL AT THE TOP SHALL BE SUITABLY EXTENDED TO ACCOMMODATE CABLE MARKER.

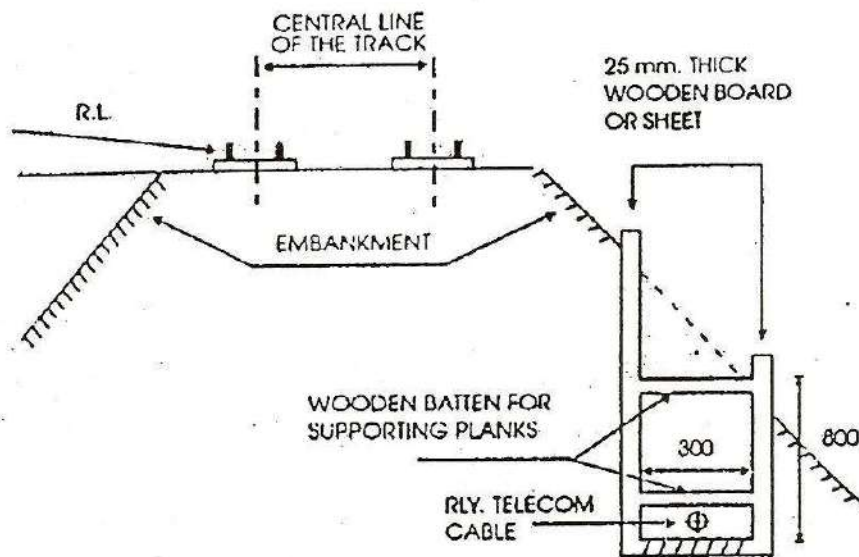
TRUE COPY

SSTE/P&D/CORE

ALD

Sd	DY	Sd	CHASE CUTTING IN	DRG	RE/S&T/ALD
	CSTE	TCD		NO.	/SK/303/85
Sd	SSTE	Sd	HARD ROCKY AREA	PG	
25/11/85	(T)	DRN.			
	ASTE	Sd	RAILWAY ELECTRIFICATION	DATE	NUT TO SCALE
	(H.Q.)	CHD			

ANNEXURE - 3.3



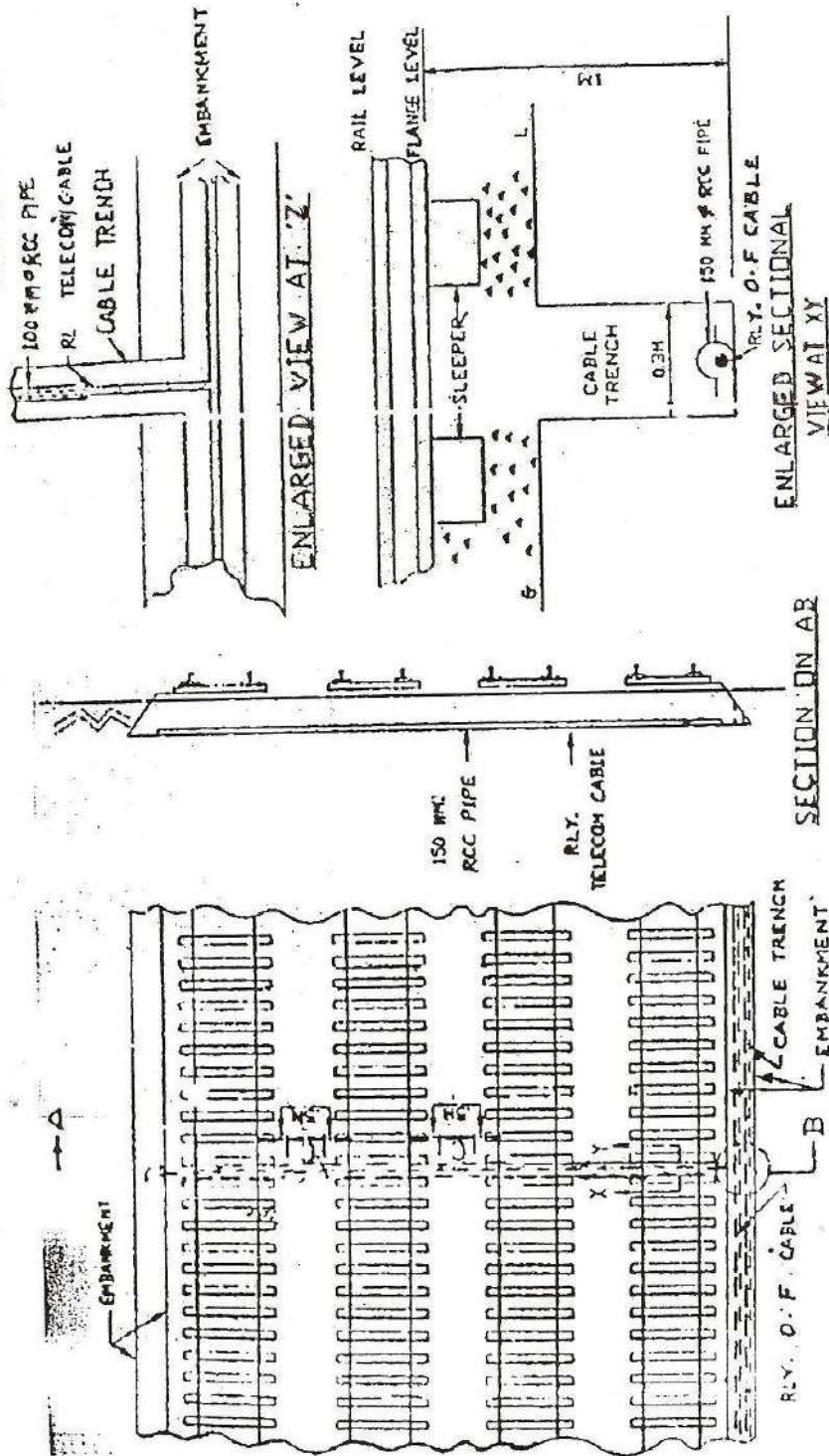
TRUE COPY

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		PG
	SSTE/T	CTI	R.D.S.O.	DT
	ASTE/T	COMP		NOT TO SCALE

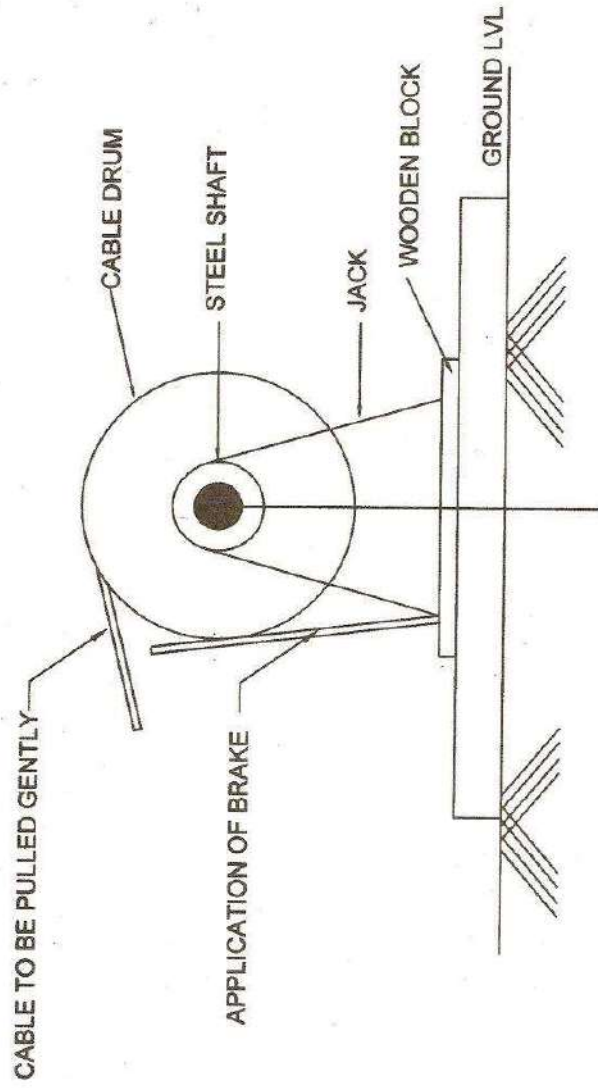
ANNEXURE - 3.4



DRN.	ARRANGEMENT OF CABLE PE/ST/ALD
	RCC PIPE TRUNKING UNDER
	TRACK CROSSINGS
BY CSTE/RES. D.	RAILWAY ELECTRIFICATION NOT TO SCALE

S.P.A. 2000

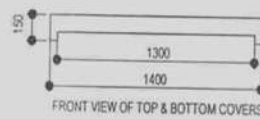
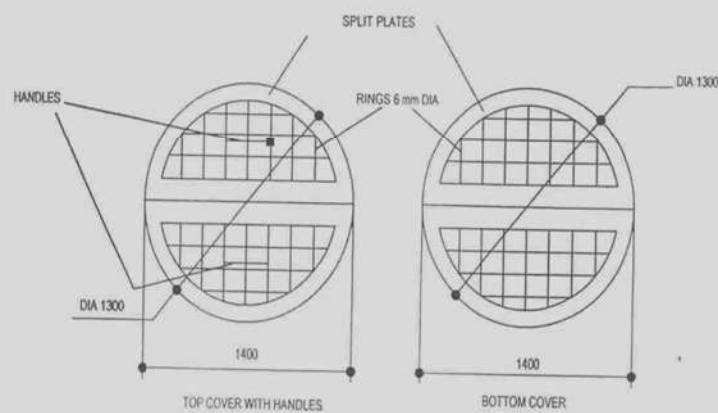
TRUE COPY
P. 10/11
SSTE/PG. D/CORE/ALL



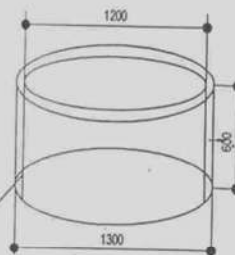
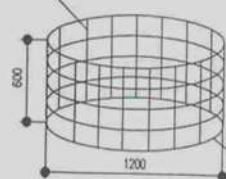
RAILTEL CORPORATION OF INDIA Ltd	
RGM/SR/SC	Drg.No.RAILTEL/SR/OFC/2008/13
METHOD OF MOUNTING THE BRAKE	
NOT TO SCALE	
CONSULTANT	(G. Veeraswamy)
MANAGER/PROJ	(M Murali Krishna)
AGM/SC	(P V Murali Krishna)

RAIL TEL CORPORATION OF INDIA LTD.

RCC CIRCULAR JOINT ENCLOSURE



15 Nos VERTICAL RINGS-6mm DIA

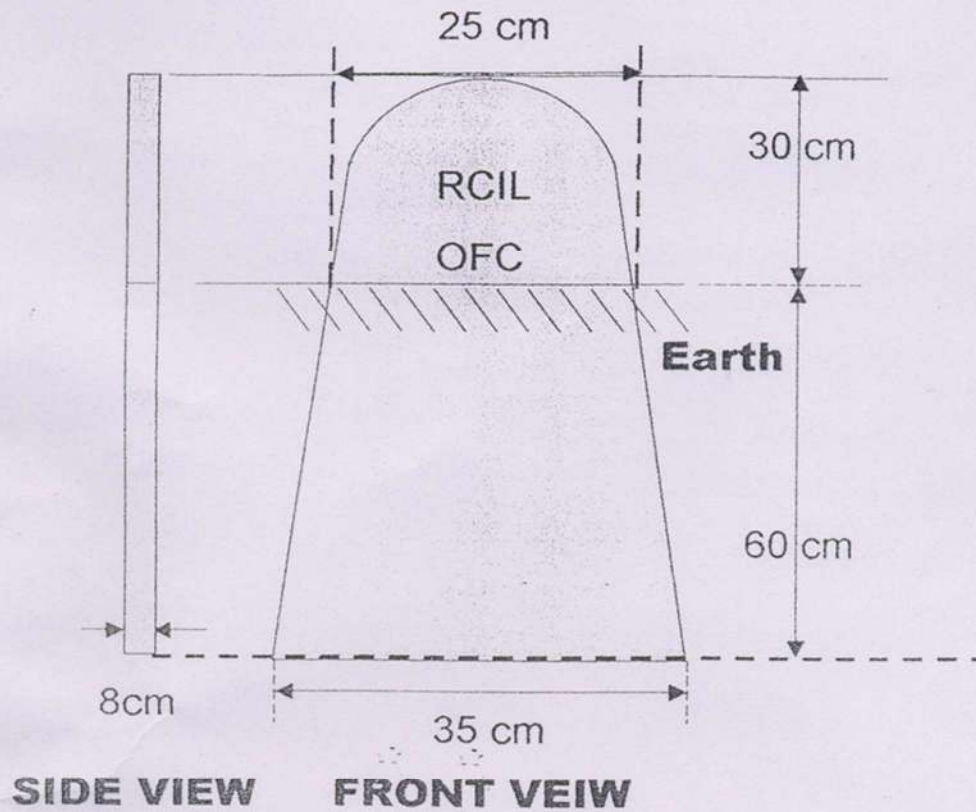


REINFORCEMENT 6mm DIA 150 C/C BOTH WAYS

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

RailTel Corporation of India Limited

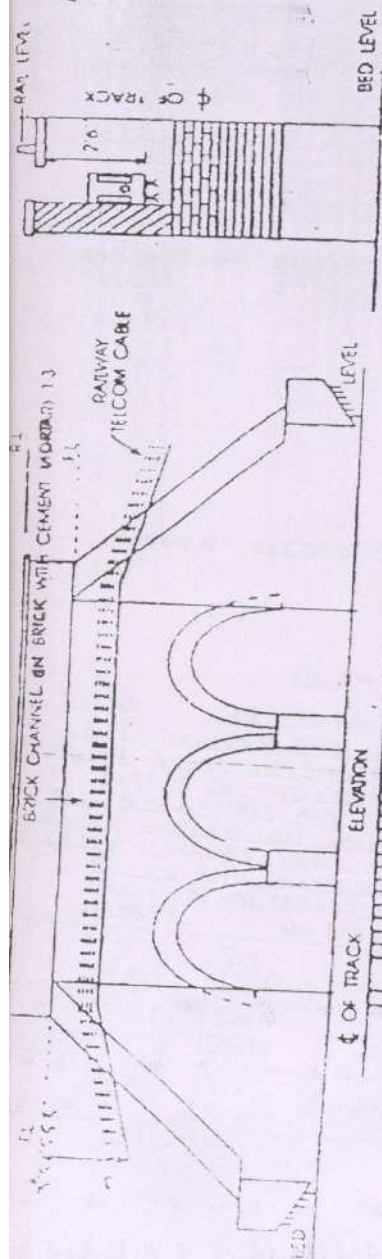
R.C.C Cable Route Marker (Stone)



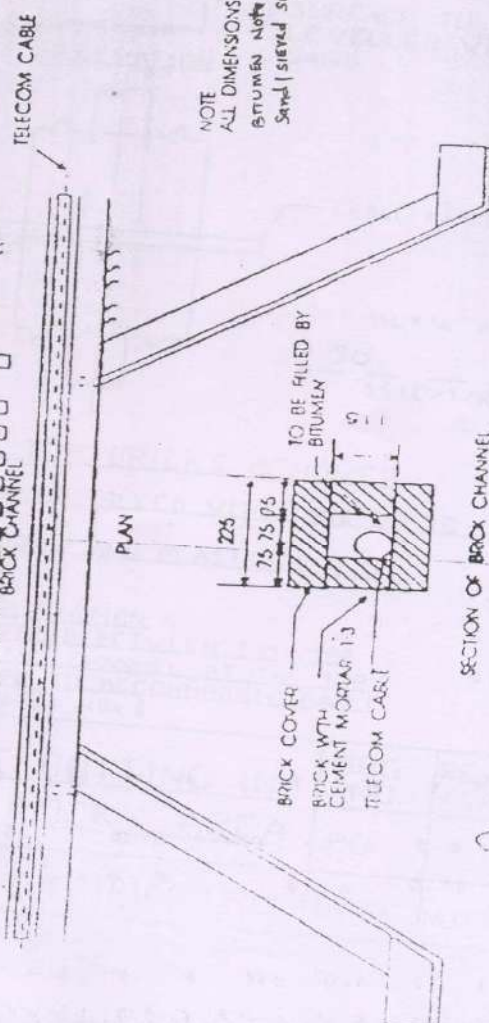
Not To Scale

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



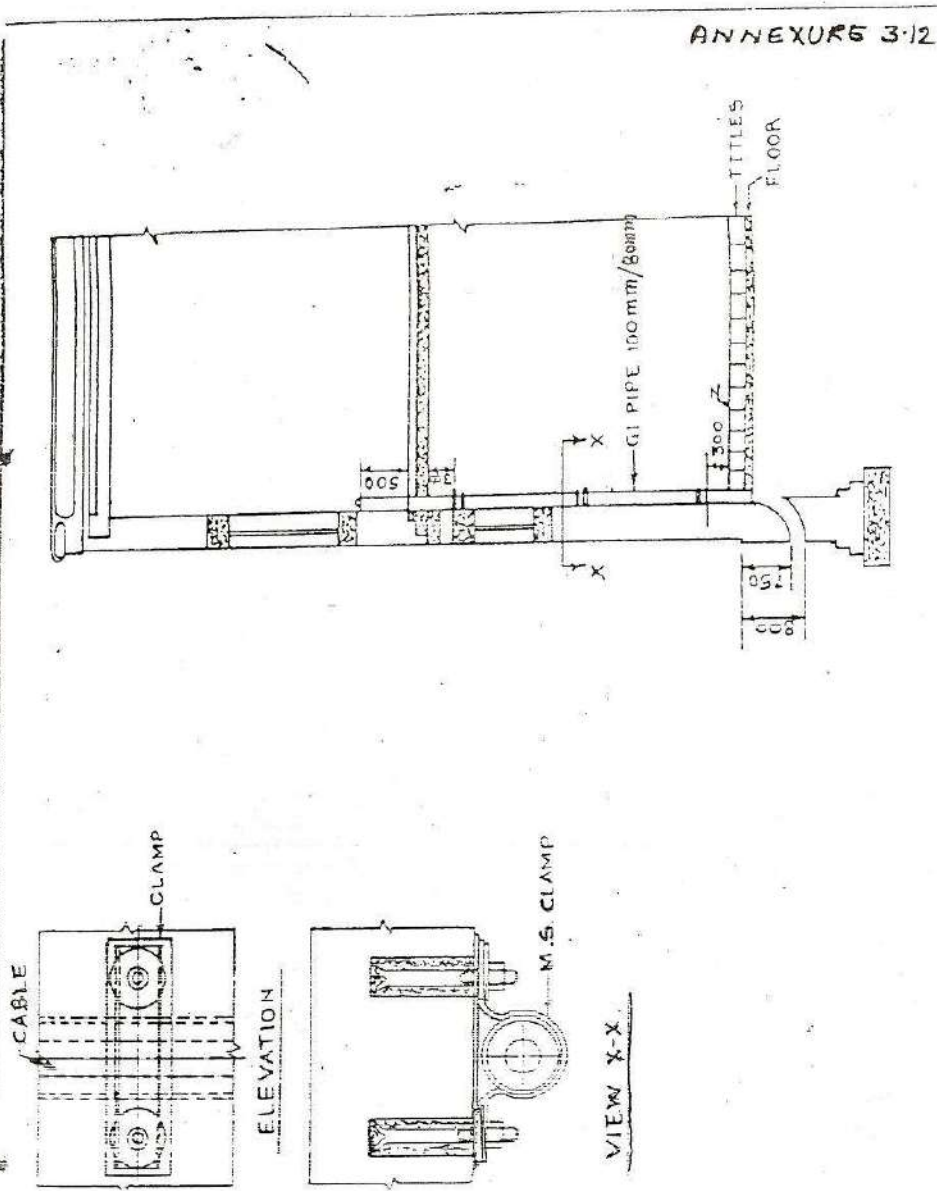
NOTE
ALL DIMENSIONS ARE IN MM.
STUMEN NOTE TO BE FILLED
Sand / sieved soil to be filled



SECTION OF BROOK CHANNEL

TRUE COPY

50.	DRG CORE (SAT/ALD/3E/162/8)	PG 5
51.	ARRANGEMENT OF CABLE BRICK TRUNKING ON ARCH BRIDGE	RAILWAY ELECTRIFICATION
52.	1CD	50.
53.	DRH	CHD
54.	55E (S)	59
55.	DATE	

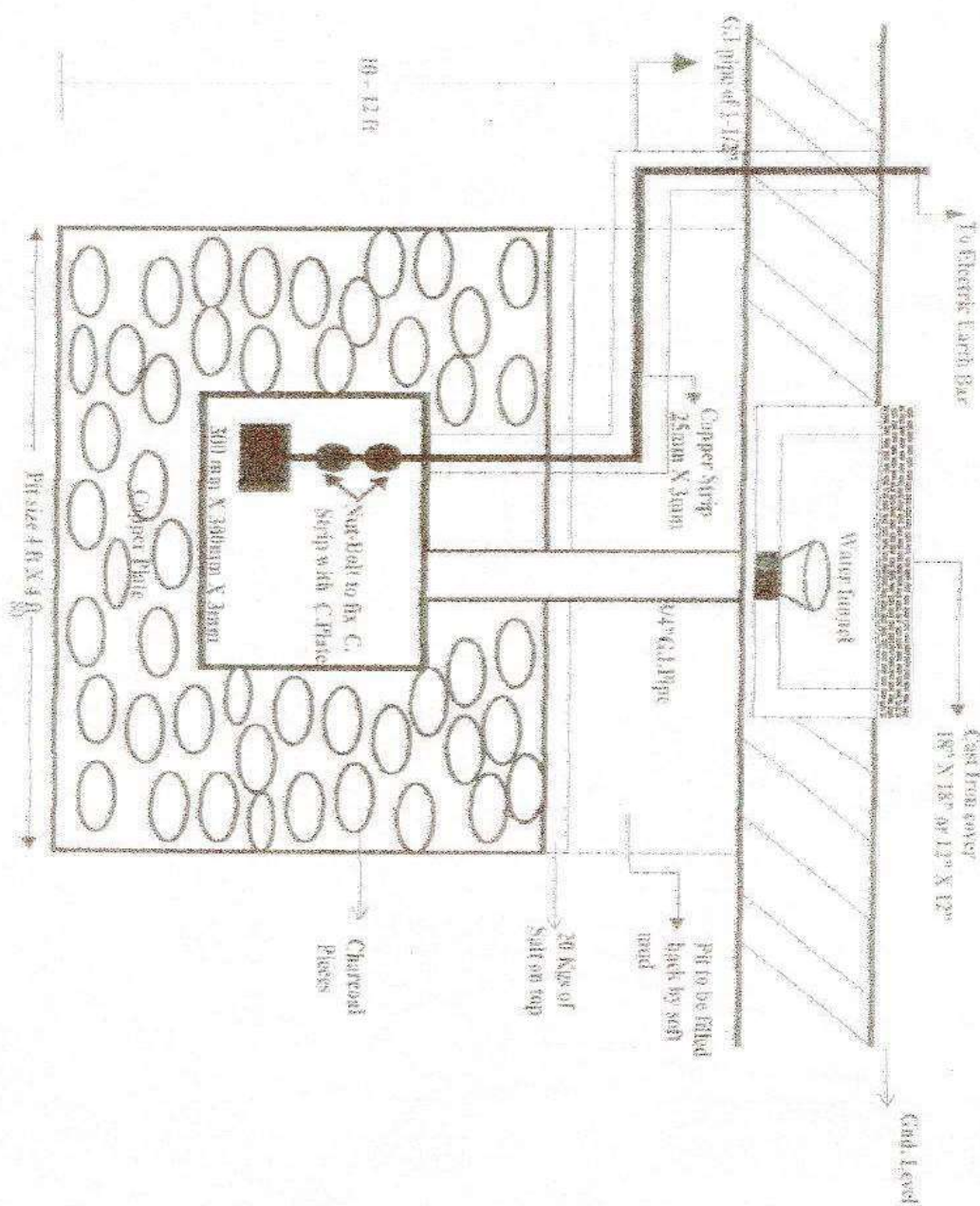


R. D. S. O.

LEADING IN ARRANGEMENT
OF OPTIC FIBRE CABLE
FOR CABINS & OTHER BLOCS

ALL DIMENSIONS ARE IN MM.
OR ASM'S OFFICE AND SIMILAR EXPERT PORTION ONLY OF LEADING IN PIPE TO BE PROVIDED.
B. TO BE INSPECTED OVER THE CABLE.

G.I. PIT TYPE EARTH



END