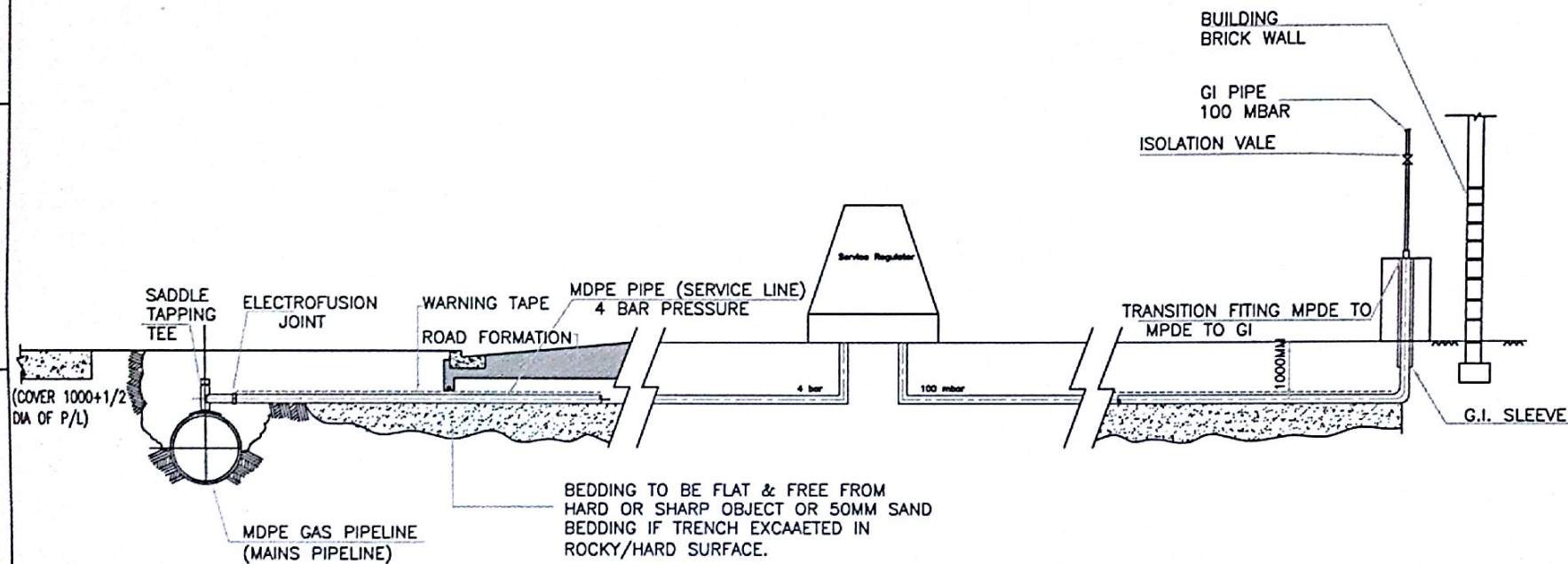


Maharashtra Natural Gas Limited



#### GENERAL NOTES

1. FOR CLAMPING TO BRICK WALL USE SUITABLE WALL BRACKETS.
2. TRENCH BACK FILL TO BE FREE FROM STONES OR SHARP OBJECTS OR CARE TO EXERCISED WHEN CONSOLIDATING BACK FILL TO AVOID DAMAGING PLASTIC PIPE.
3. THIS SKTECH IS INCATIVE AND FINAL LAYING WILL BE ENGINEER-IN-CHARGE

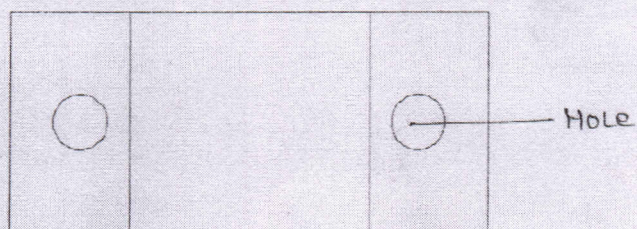
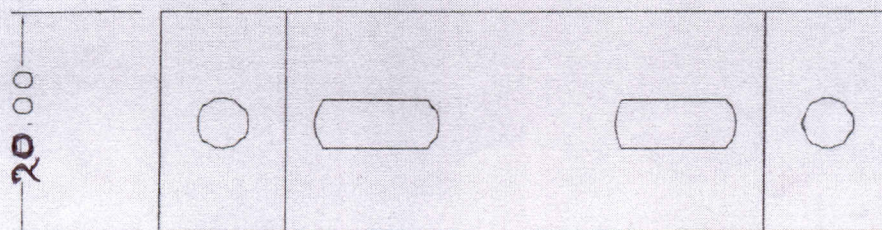
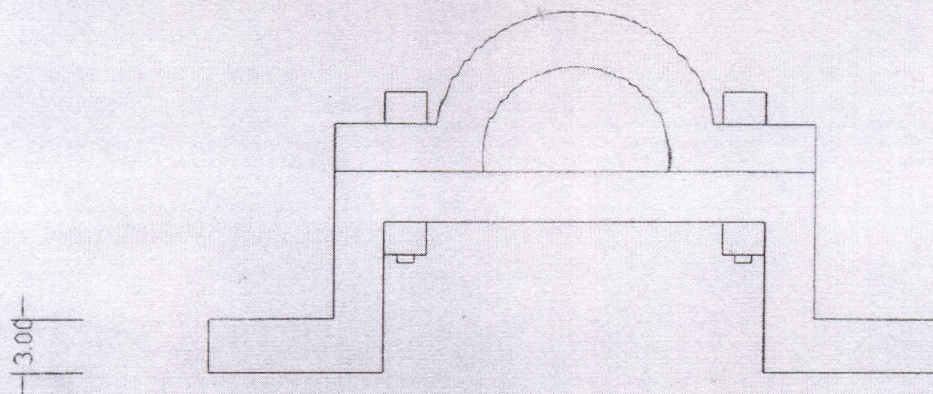
FOR TENDER PURPOSE

drawing no. 2

Scheme of medium <sup>Low Pressure</sup> service  
installation

Maharashtra Natural Gas Limited



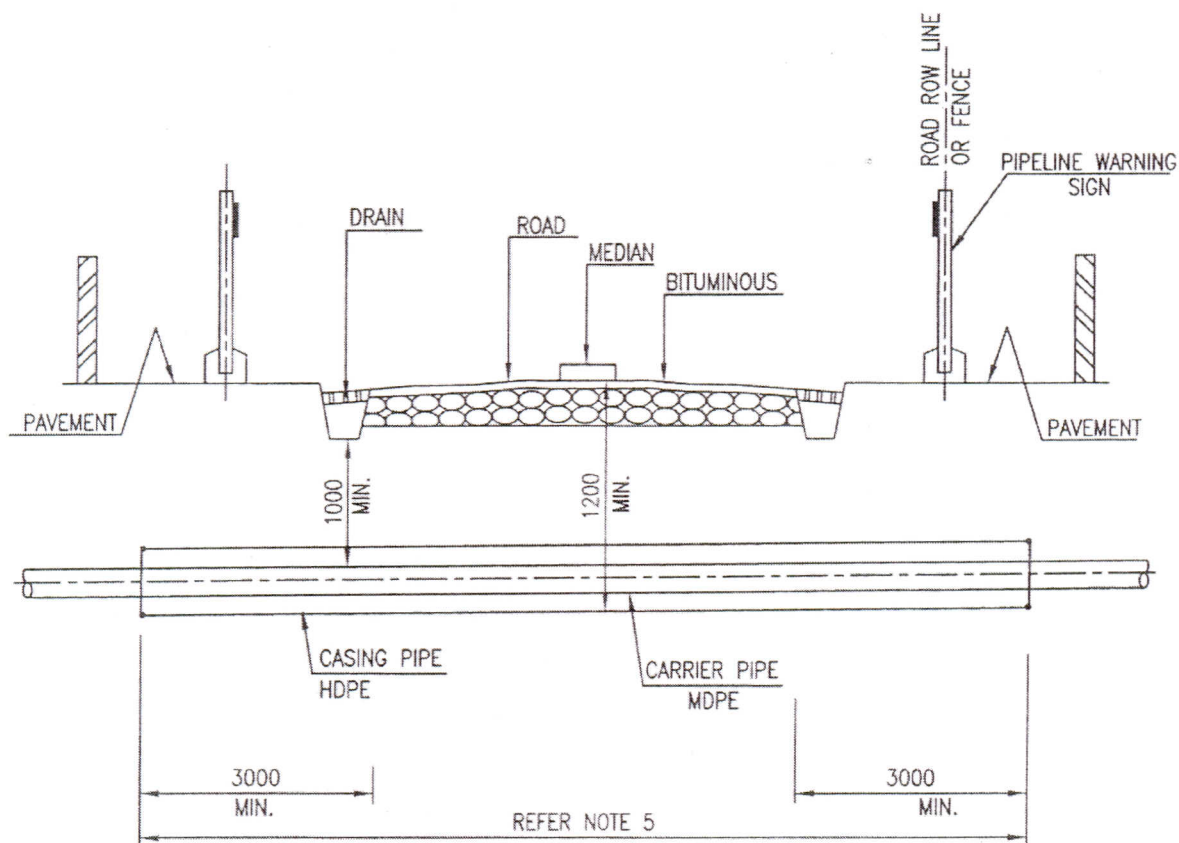


\* All dimension are in mm.

MNGL

GI Clamps(1/2" to 1")





**TYPICAL SECTION**

**NOTES:-**

1. ALL DIMENSIONS ARE IN MM. UNLESS SPECIFIED OTHERWISE.
2. ROAD/ HIGHWAY CROSSING SHALL BE RESTORED TO ORIGINAL CONDITION TO THE ENTIRE SATISFACTION OF COMPANY AND CONCERNED AUTHORITIES HAVING JURISDICTION.
3. REFER API RP 1102 FOR OTHER DESIGN AND INSTALLATION REQUIREMENTS.
4. ANGLE OF INTERSECTION BETWEEN PIPELINE AND THE ROAD/ HIGHWAY SHALL BE AS CLOSE TO 90° AS POSSIBLE BUT IN NO CASE LESS THAN 30°.
5. CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS WITH RESPECT TO SURVEY DETAILS FOR EACH ROAD/ HIGHWAY CROSSED AND PREPARE DETAILED DRAWING FOR INDIVIDUAL CROSSING FOR ENGINEER-IN-CHARGE. APPROVAL BEFORE COMMENCEMENT OF CONSTRUCTION.

**FOR TENDER PURPOSE**

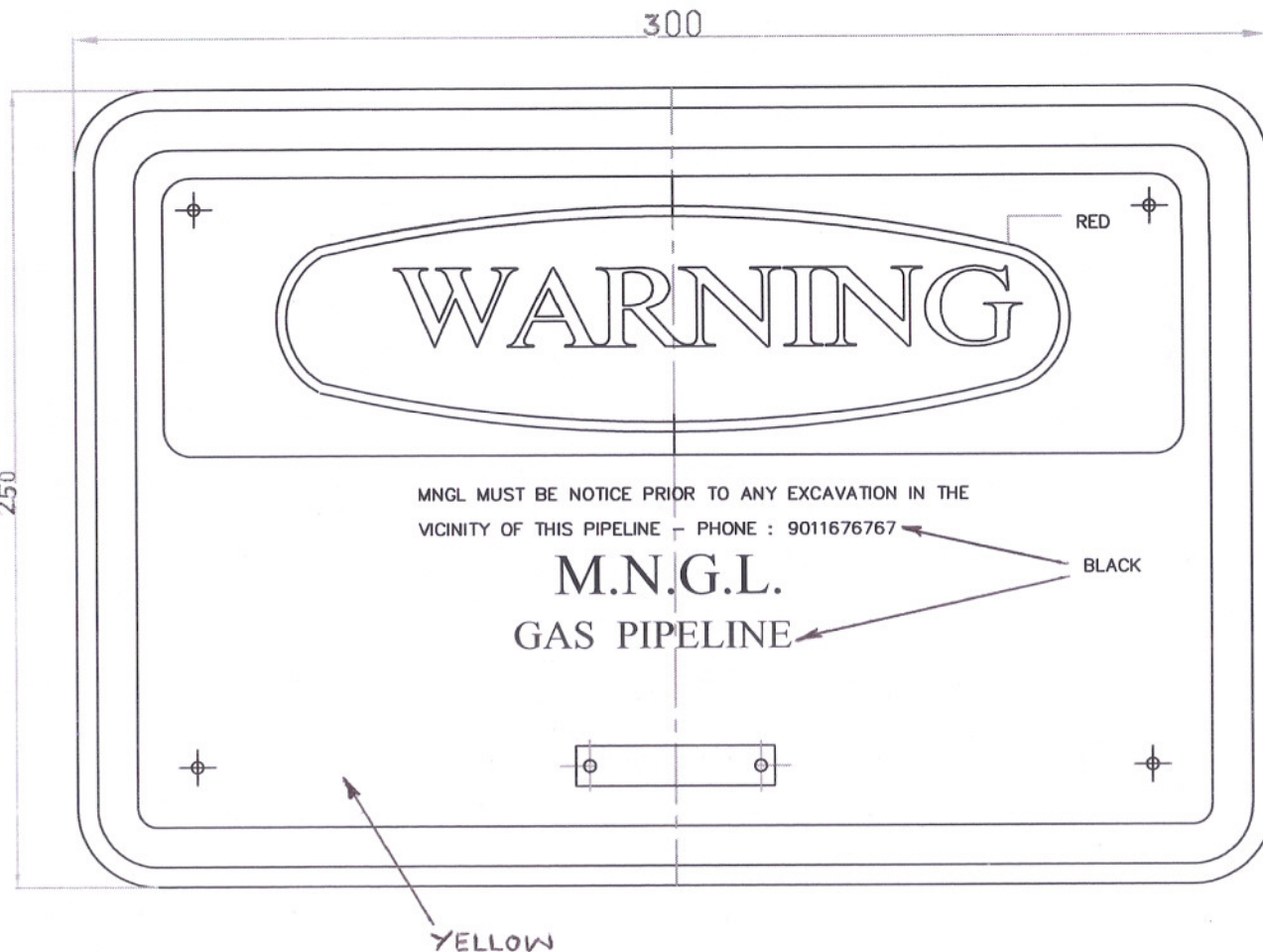
Drawing No.. 4

Road/Highway Cased Crossing For  
MDPE Pipe



Maharashtra Natural Gas Limited





### NOTES :-

1. THE FULL WORKING AND WILL BE DECIDED BY ENGINEER -IN-CHARGE.
2. SCHEME FOR PAINTING & COLOURING
  - ONE COAT OF PRIMER & TWO COATS OF SPECIFIED COLOUR PAINT.
  - ALL LETTRS EXCEPT WARNING TO BE PAINTED BLACK.
3. SIGN PLATE IN REGIONAL LANGUAGE BE PREPARED BY CONTRACTOR AS DECIDED BY ENGINEER-IN-CHARGE.
4. FIXING ON PERMANENT STRUCTURE AS DECIDED BY ENGINEER-IN-CHARGE.
5. ALL DIMENSIONS IN MM, UNLESS OTHERWISE SPECIFIED.
6. 3MM THK G.I. SHEET TO BE USED AS BASE PLATE.

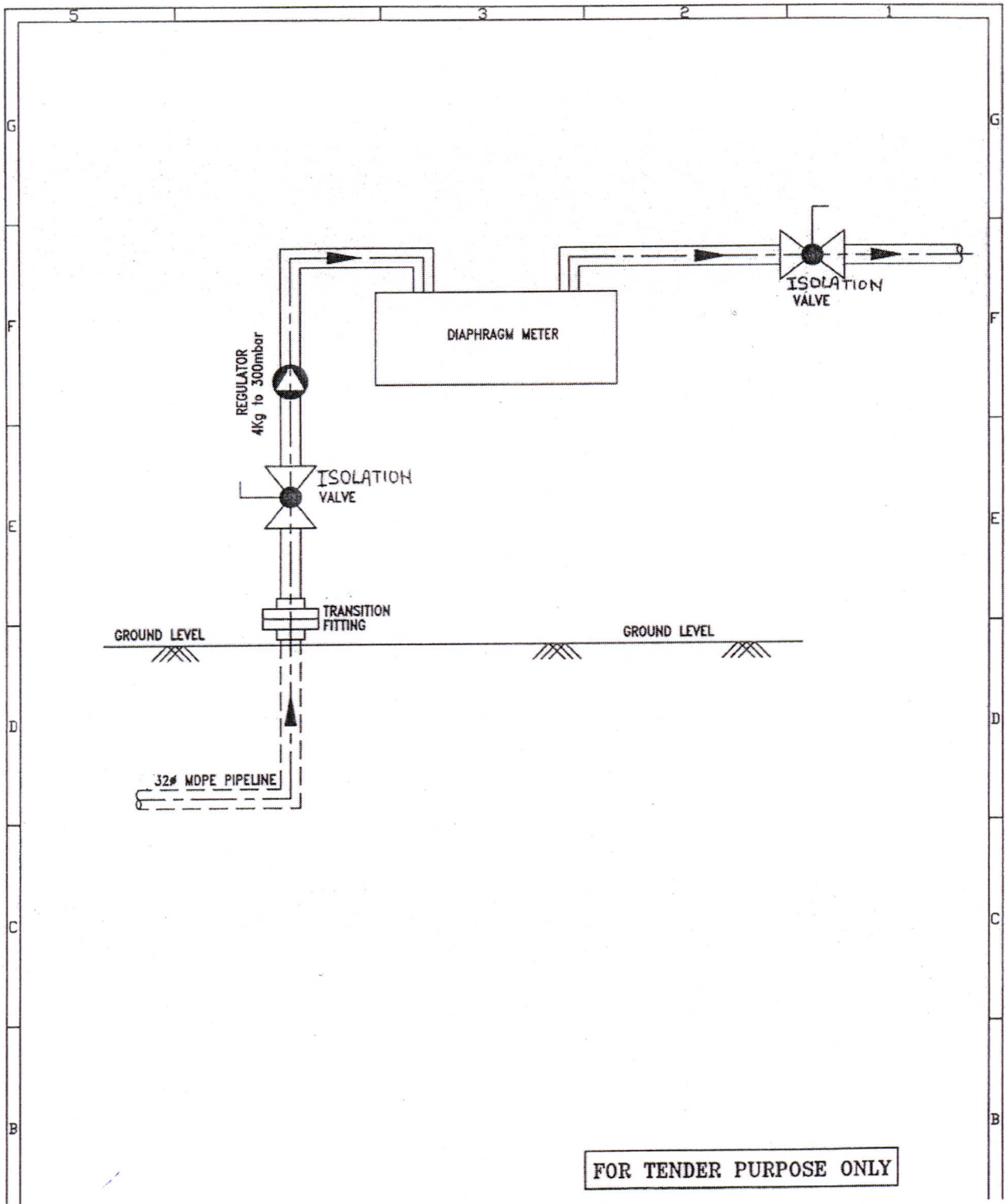
FOR TENDER PURPOSE

Drawing No.7

Warning plate without foundation

Maharashtra Natural Gas Limited





FOR TENDER PURPOSE ONLY

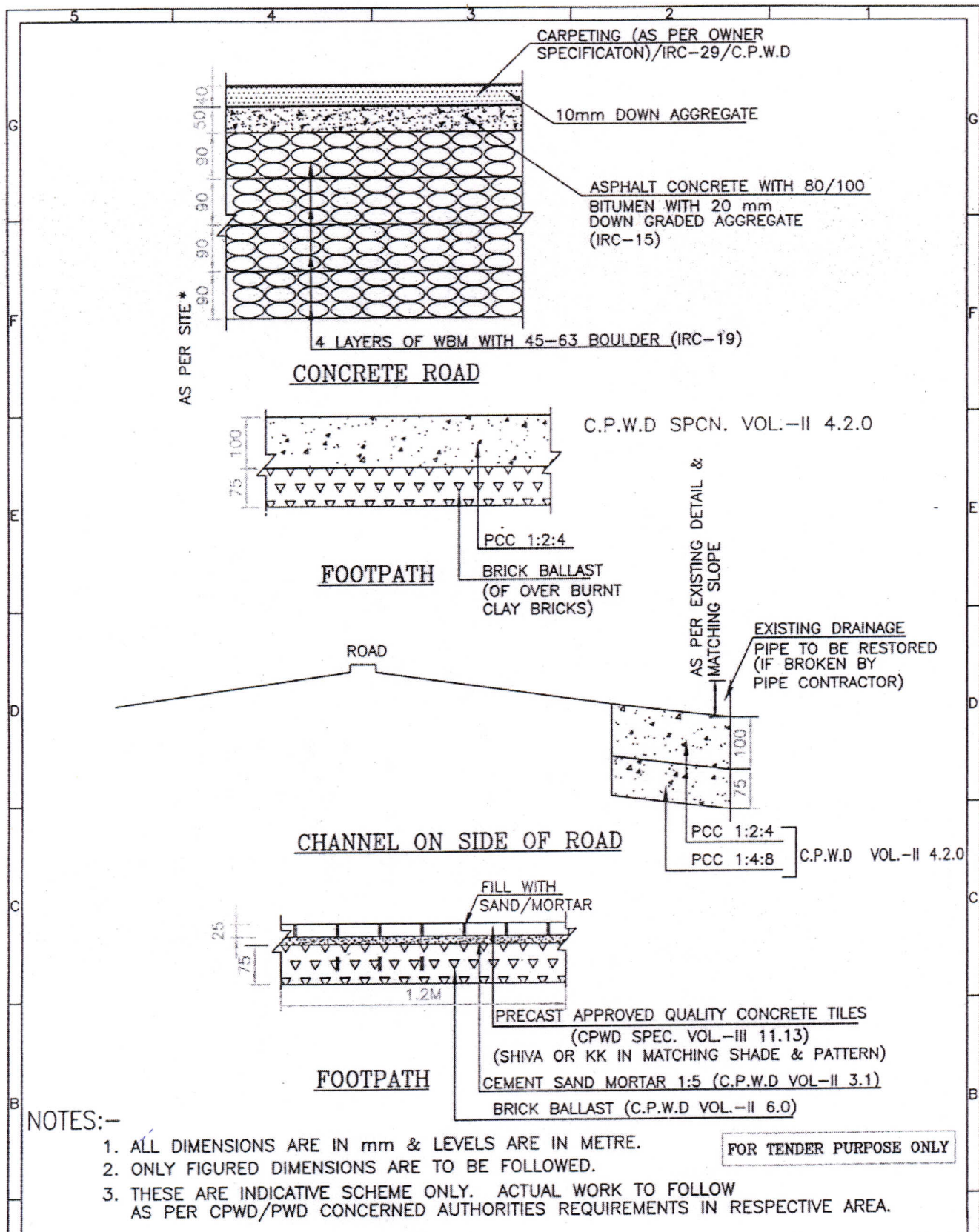
Drawing No.. 8

Commercial connection Scheme  
Type I



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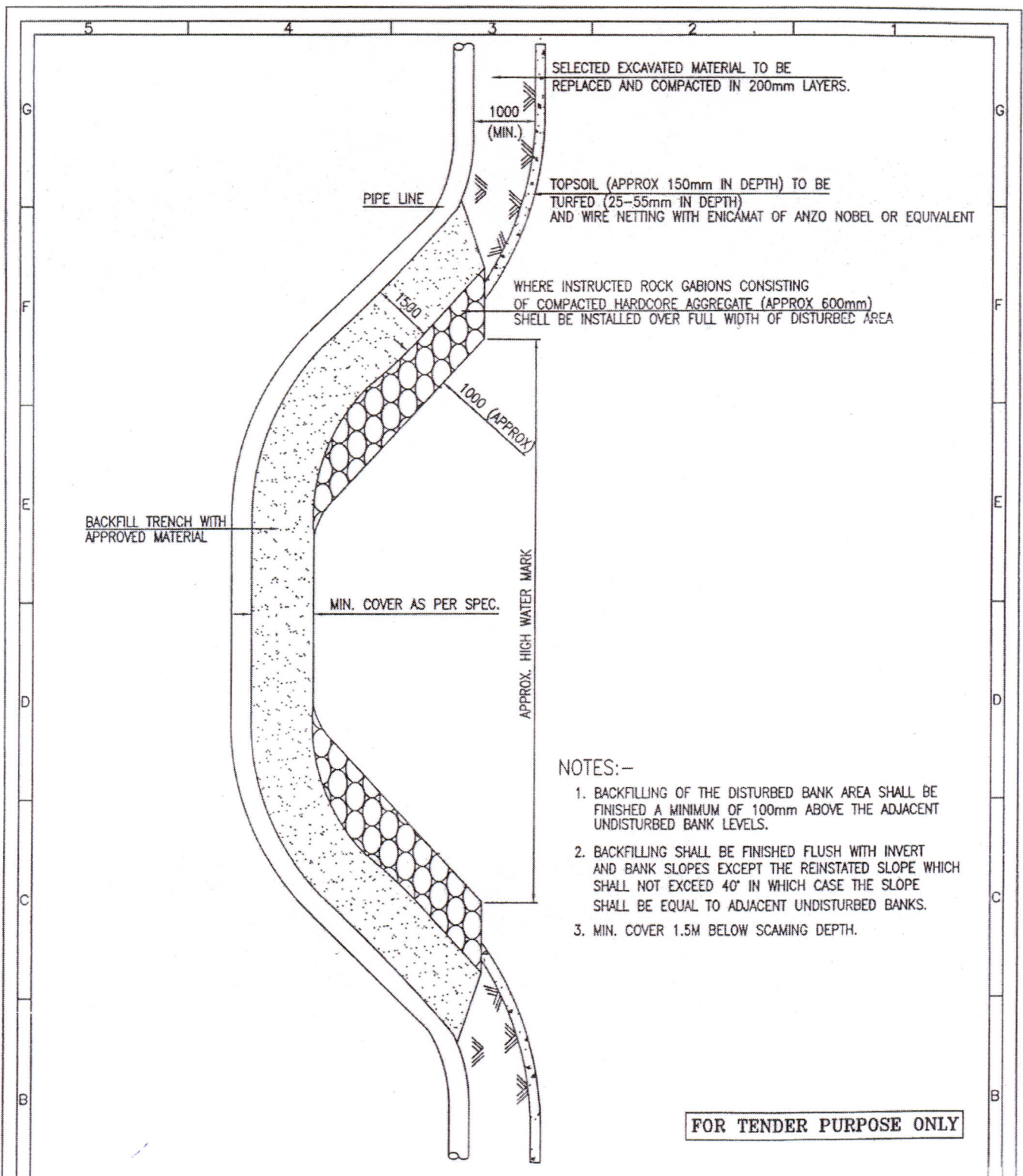
Drawing No.. ||

Restoration Of Roads, Footpath,  
Channel



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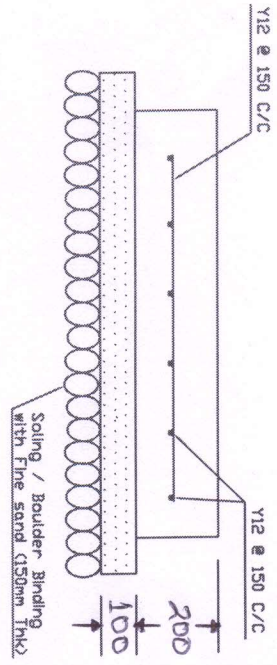


Drawing No.. 12

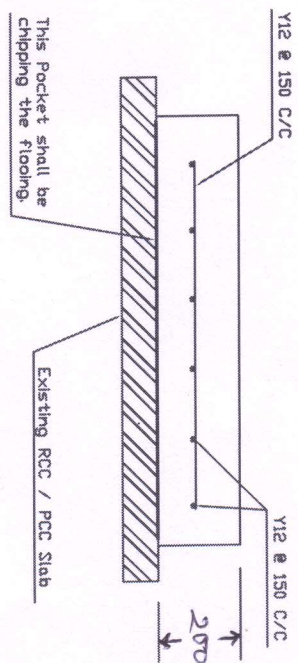
Std.Detail of Backfill For drain Crossing



Maharashtra Natural Gas Limited



SECTION A-A  
(FOR UNPAVED AREA)



SECTION A-A  
(FOR PAVED AREA)

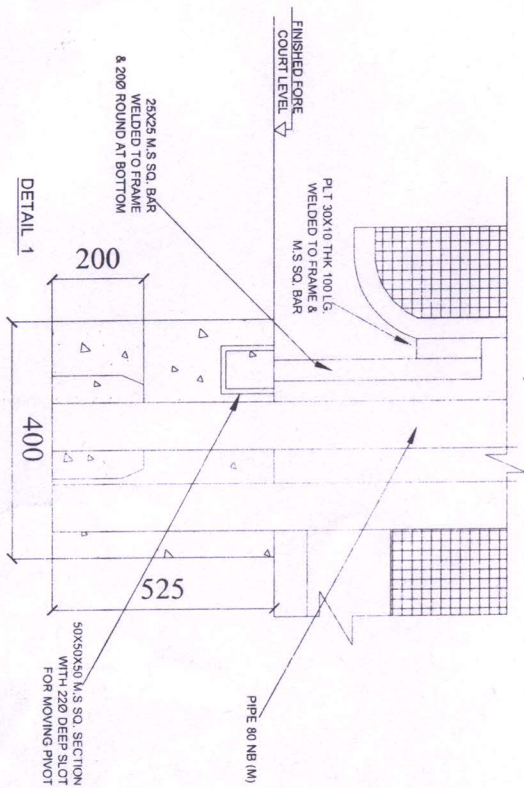
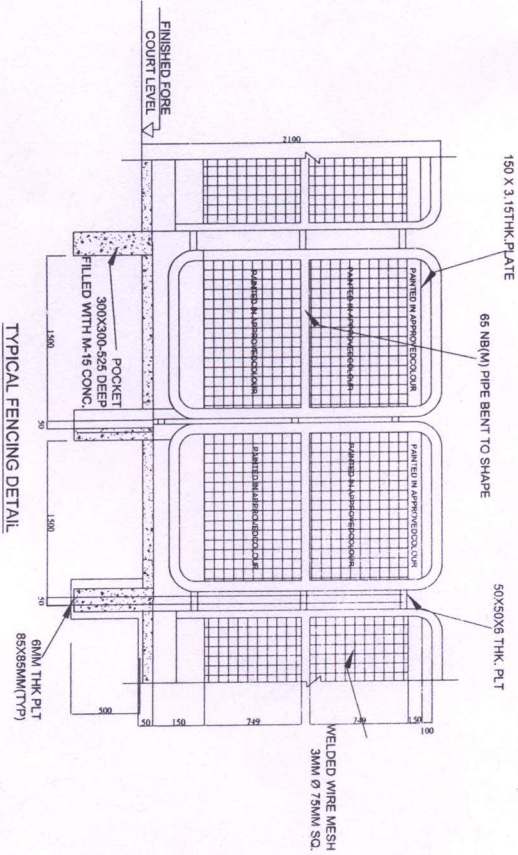
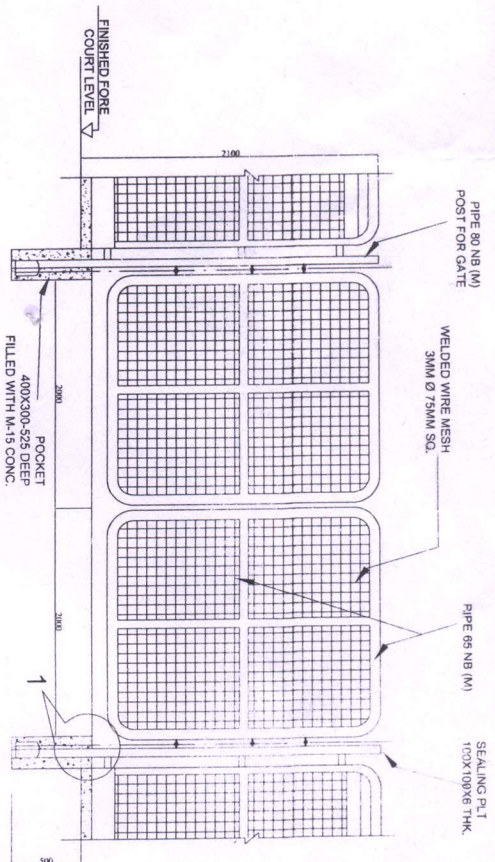
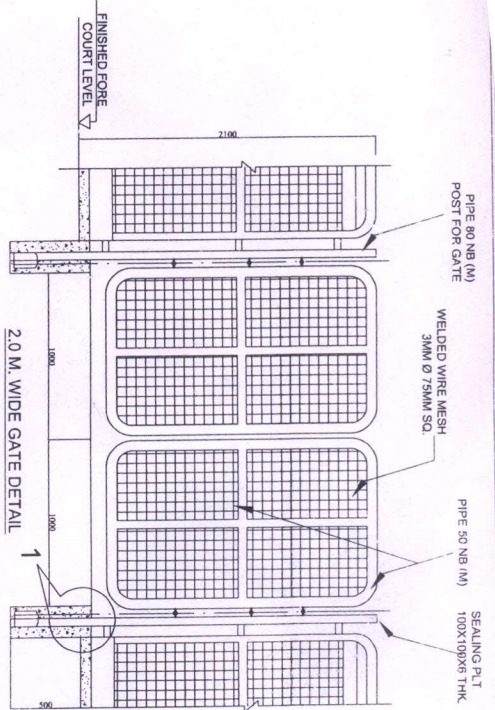
NOTE :

- 1) ALL DIMENSIONS ARE IN MM.
- 2) DO NOT SCALE THE DRAWING.
- 3) GRADE OF CONCRETE SHALL BE M - 15
- 4) REINFORCED CEMENT CONCRETE SHALL BE M20 WITH 12 MM.

ABOVE GROUND RCC FOUNDATION DRAWING OF MRS / DRS

DR. No: MNA/ENG/DN-14





TITLE:-

# TYPICAL DETAIL OF GATE & FENCING (2100 MM HIGH)

DRA.NO: MNGC/PNG/DN-16

DSGN:

DRWN:

CHKD. & VERIFIED:

APPROVED:



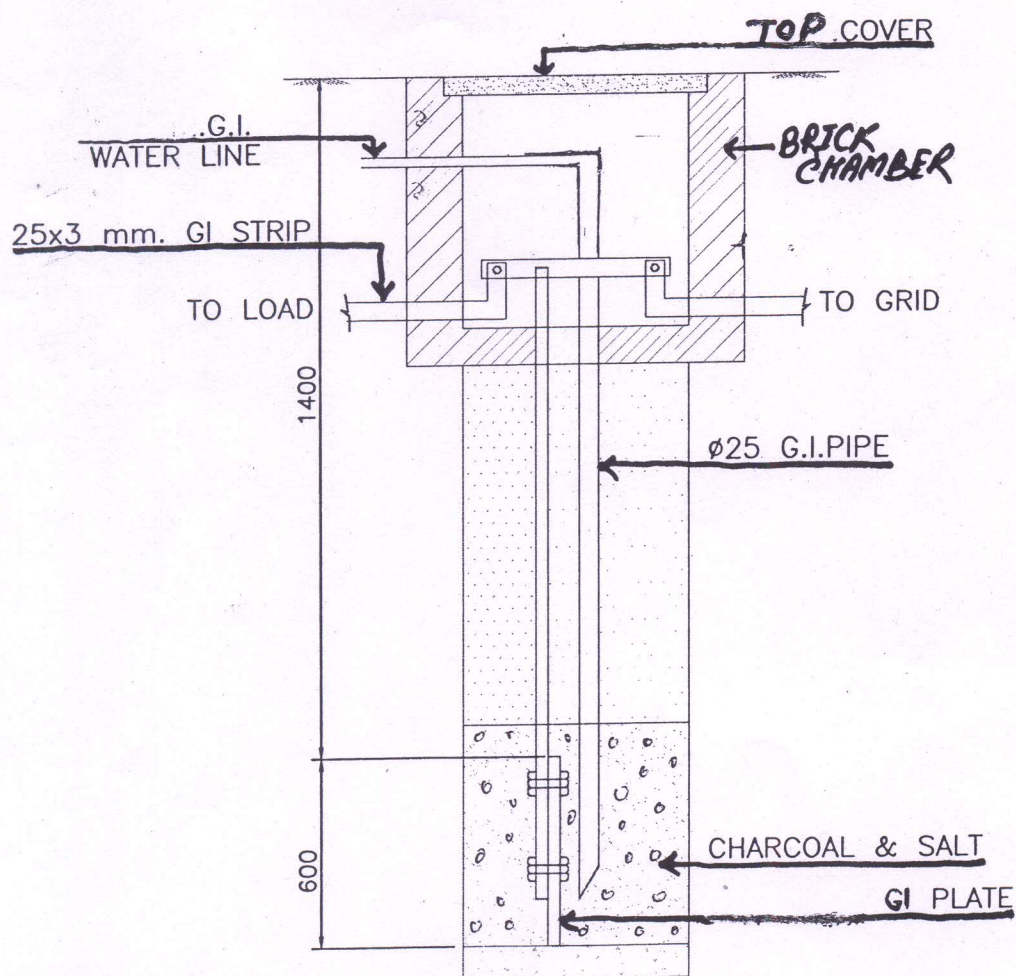
MAHARASTRA NATURAL  
GAS LIMITED

CNG & CITY GAS DISTRIBUTION NETWORK PUNE

NORTH

DATE



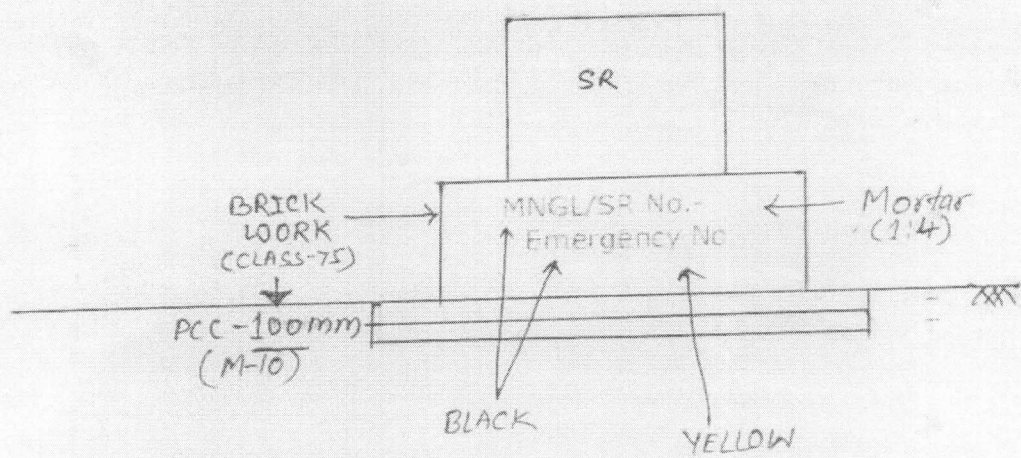


## PLATE EARTHING PIT

DRAWING NO: MNG/ING/DN-15



SECTION A-A

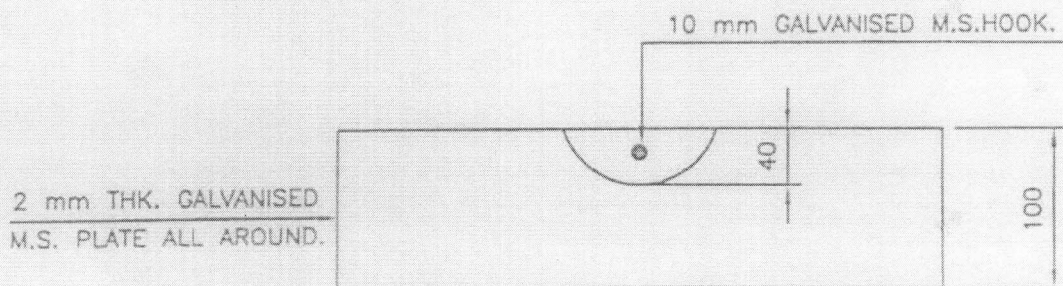
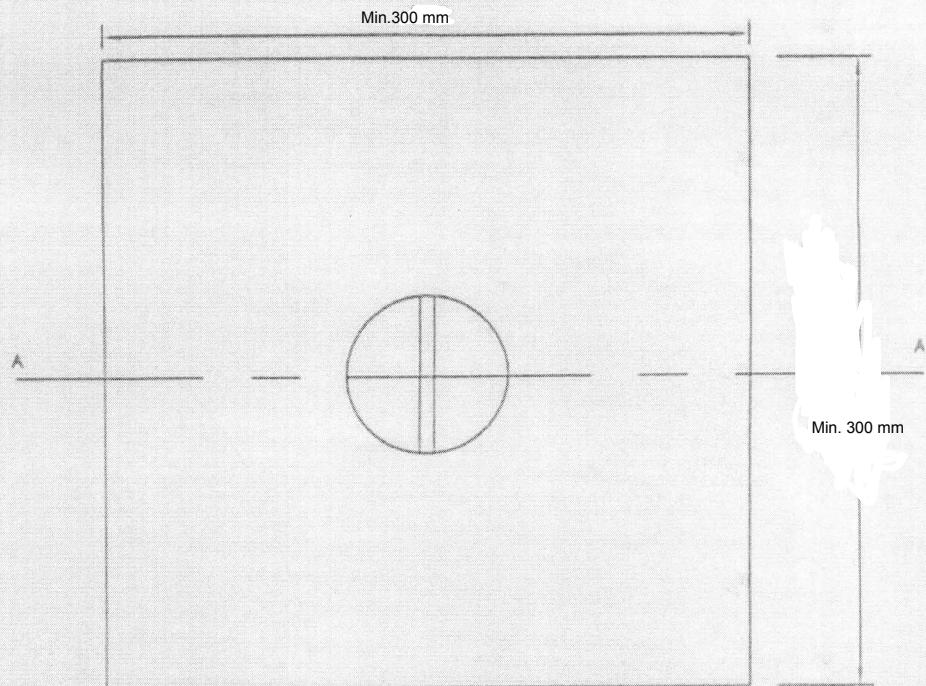


SR INSTALLATION



THIS PRINT IS THE PROPERTY OF MAHARASHTRA GAS LTD. IT IS TO BE USED ONLY FOR THE PURPOSE FOR WHICH IT WAS SENT AND MUST NOT BE USED IN ANY WAY PERTINENT TO THE INTEREST OF THIS COMPANY AND IS SUBJECT TO RETURN ON DEMAND.

PLANNING.	REV NO.	DATE.	DESCRIPTION	BY.	CHK.	APPR.
	0	06.05.04		PLNG		



### SECTION A-A

#### NOTE:-

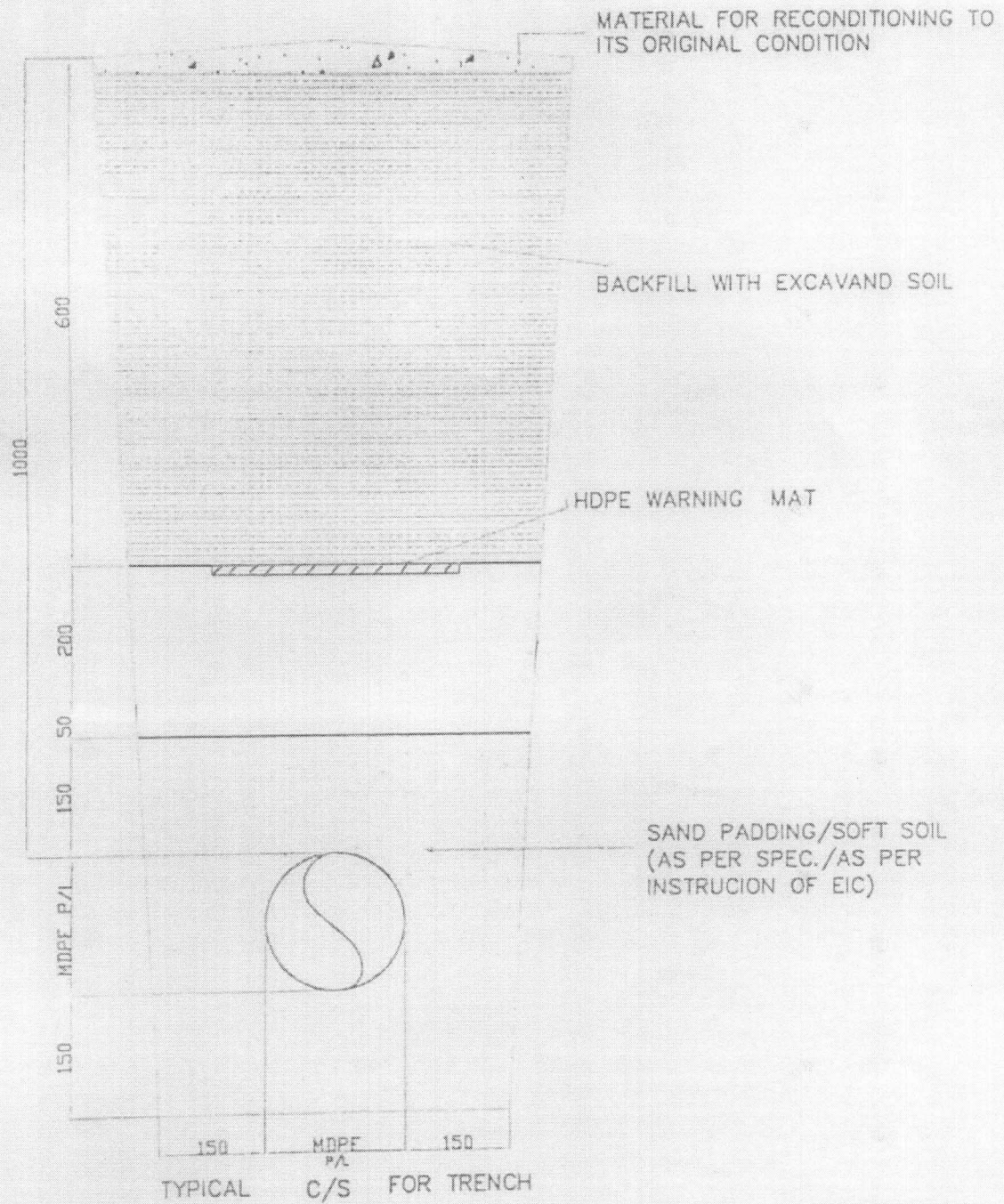
1. ALL DIMENSIONS ARE IN MM.
2. THE SFRC COVER SHALL HAVE REINFORCED CONCRET OF GRADE M-35 CONFORMING TO IS:456-1978.
3. HEAVY LOAD TEST : SUITABLE FOR 'A' CLASS LOADING
4. PERFORMANCE REQUIREMENTS-
  - a) SAMPLING AND CRITERIA FOR CONFORMITY: AS PER IS:12592 (Part-1) - 1998
  - b) LOAD TEST: AS PER IS:12592 (Part-1) - 1998
  - c) INSPECTION AND MANUFACTURES GUARANTEE : AS PER IS:12592 (Part-1) - 1998

NOT TO SCALE

MAHARASHTRA NATURAL GAS LIMITED	TITLE : COVER FOR PE STOP OFF VALVE PIT.	DRAWING NO: MNGL/ENG/CIVIL/100	REV.
			0



REINSTATEMENT SPECIFICATION  
TRENCH CROSS SECTION (TYPICAL)  
SINGLE MDPE PIPELINE LAYING



NOTES: -  
1. ALL DIMENSIONS ARE IN MM

FOR TENDER PURPOSE ONLY

Drawing No. 9

Reinstatement specification  
Trench Cross-section (Typical)  
single MDPE pipeline laying

Marashtara natural Gas Limited



