



- NOTES:**
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS.
 2. PIPELINE SECTION LAID THROUGH THE RAILWAY ROAD MUST BE PROVIDED IN PROTECTIVE STEEL PIPE CASING ITS DIAMETER MUST EXCEED THE EXTERNAL DIAMETER OF GAS PIPELINE BY NO LESS THAN 200mm.
 3. MAXIMUM SPACING OF CASING SPACERS SHALL BE AS PER MANUFACTURER RECOMMENDATION & IN NO CASE IT SHALL BE MORE THAN 2000MM.
 4. A DOUBLE SET OF INSULATORS SHALL BE INSTALLED AT BOTH ENDS OF THE CASING PIPE
 5. BOTH ENDS OF THE CASING PIPE/CONDUIT SHALL BE ADEQUATELY SEALED WITH A FLEXIBLE MATERIAL TO PREVENT MOISTURE OR WATER ENTERING THE CASING.
 6. VENT/DRAIN HOLE SHALL BE LOCATED IN BETWEEN SECOND AND THIRD SPACER.
 7. RAILWAY CROSSING SHALL BE PERFORMED IN ACCORDANCE WITH TECHNICAL CONDITIONS.
 8. THE COVERING DEPTH FROM THE TOP OF THE CASING PIPE TO RAIL FOOT MUST BE NOT LESS THAN 2m AND 1.5m FROM THE BOTTOM OF THE RAILWAY & WATER DRAINAGE CANAL RESPECTIVELY.
 9. HEAVY WALL PIPE SHALL EXTEND A MINIMUM OF 50M BEYOND THE TOE OF RAILWAY EMBANKMENT OR DITCH AS APPLICABLE.
 10. EXTENT OF CASING PIPE WILL BE 50M FROM THE EDGE OF WATER DRAINAGE CANAL, OTHERWISE IT WILL BE FROM THE FOOT OF EMBANKMENT.
 11. CROSSING OF EXISTING RAILWAY ROADS SHALL BE CARRIED OUT BY THRUST BORING METHOD.
 12. CROSSING ANGLE OF PIPELINE WITH RAILWAY ROADS MUST BE 90°.
 13. SIZE OF PIT TO BE DETERMINED BY PIPELINE INSTALLATION CONTRACTOR.
 14. SACRIFICIAL CP WILL BE PROVIDED ONLY TO CARRIER PIPE DUE TO EXTERNAL COATING OF CASING PIPE, WHICH SHIELDS CARRIER PIPE CP SYSTEM AND THE CASING PIPE IS BONDED TO CARRIER PIPE FOR CP PROTECTION, NO SACRIFICIAL ANODE FOR CASING.
 15. ACTUAL LENGTH OF THRUST BORING SHALL BE WORKED OUT IN COORDINATION WITH AUTHORITIES HAVING JURISDICTION OVER THE RAILWAY AND OTHER UTILITY SERVICES NORMALLY LAID PARALLEL TO THE RAILWAY.

- NOTES: (CONT'N.)
16. VENT AND DRAIN PIPES SHALL BE ADEQUATELY SUPPORTED FROM THE FOOT.
 17. TO PREVENT VENT AND DRAIN PIPES FROM CORROSION THE BURIED SECTION AND LENGTH OF 400MM ABOVE GRADE SHALL BE COATED AND REMAINING SECTION OF ABOVEGROUND SHALL BE PAINTED.

DRAWING TITLE

TYPICAL DETAILS
RAILWAY CROSSING

ELECTRONIC FILE :						
CONTRACT	ORIGINATOR	DISC.	TYPE	UNIT	SERIAL NO.	REV
DWG.:						01