

- Name of Work -

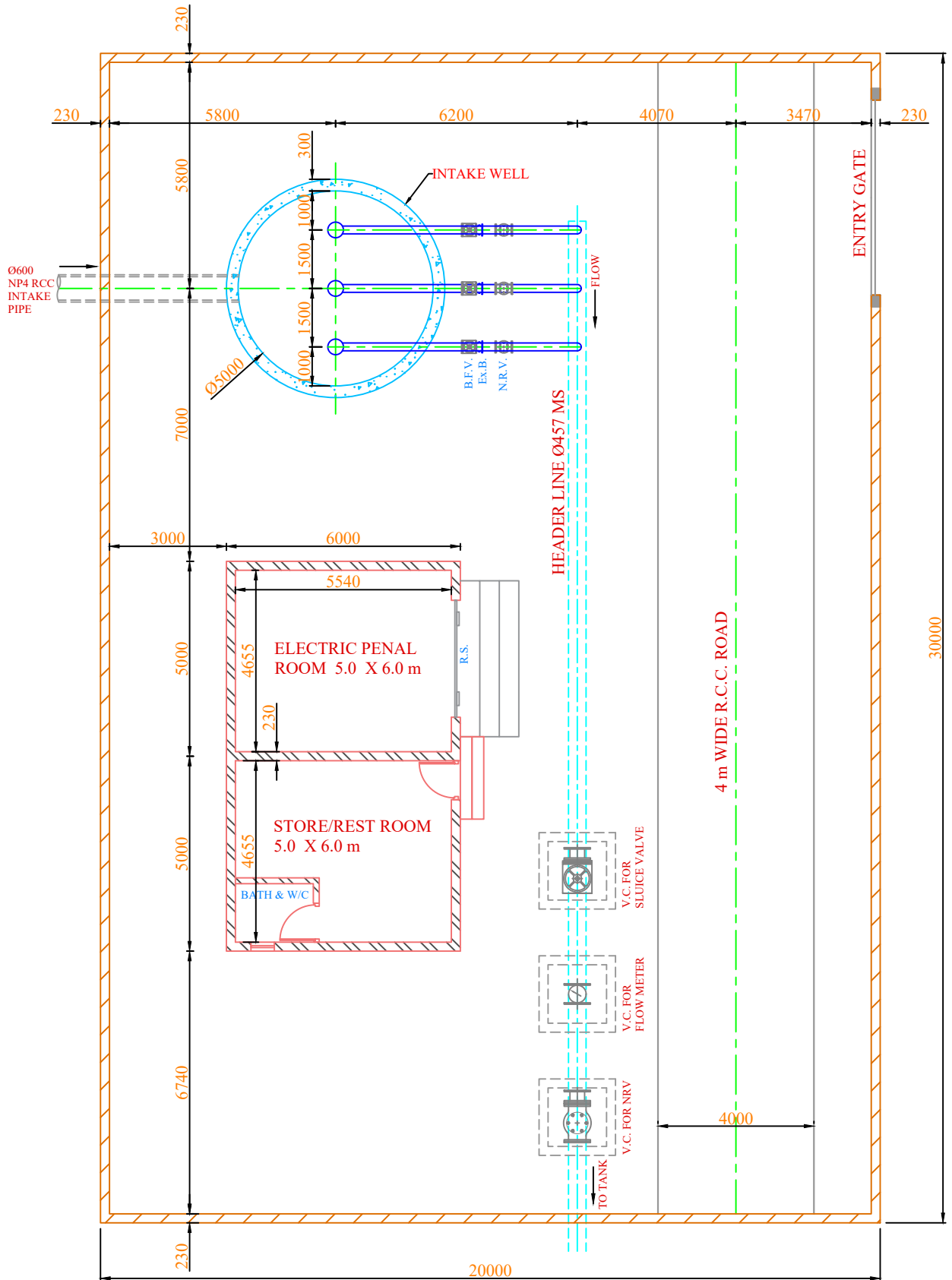
**EPC Contract for Providing Irrigation Water
Facility to Filling Kelamul Village Tank by Lifting
Water from KLBMC at Ch.8.20 km of Taluka
Kadana, Dist. Mahisagar.**

Tender Document

VOLUME [IV] – DRAWINGS

**Government of Gujarat
Narmada Water Resources, Water Supply
& Kalpsar Department**

KEY PLAN LAYOUT OF PUMPING STATION FOR KELAMUL LIFT IRRIGATION PROJECT.



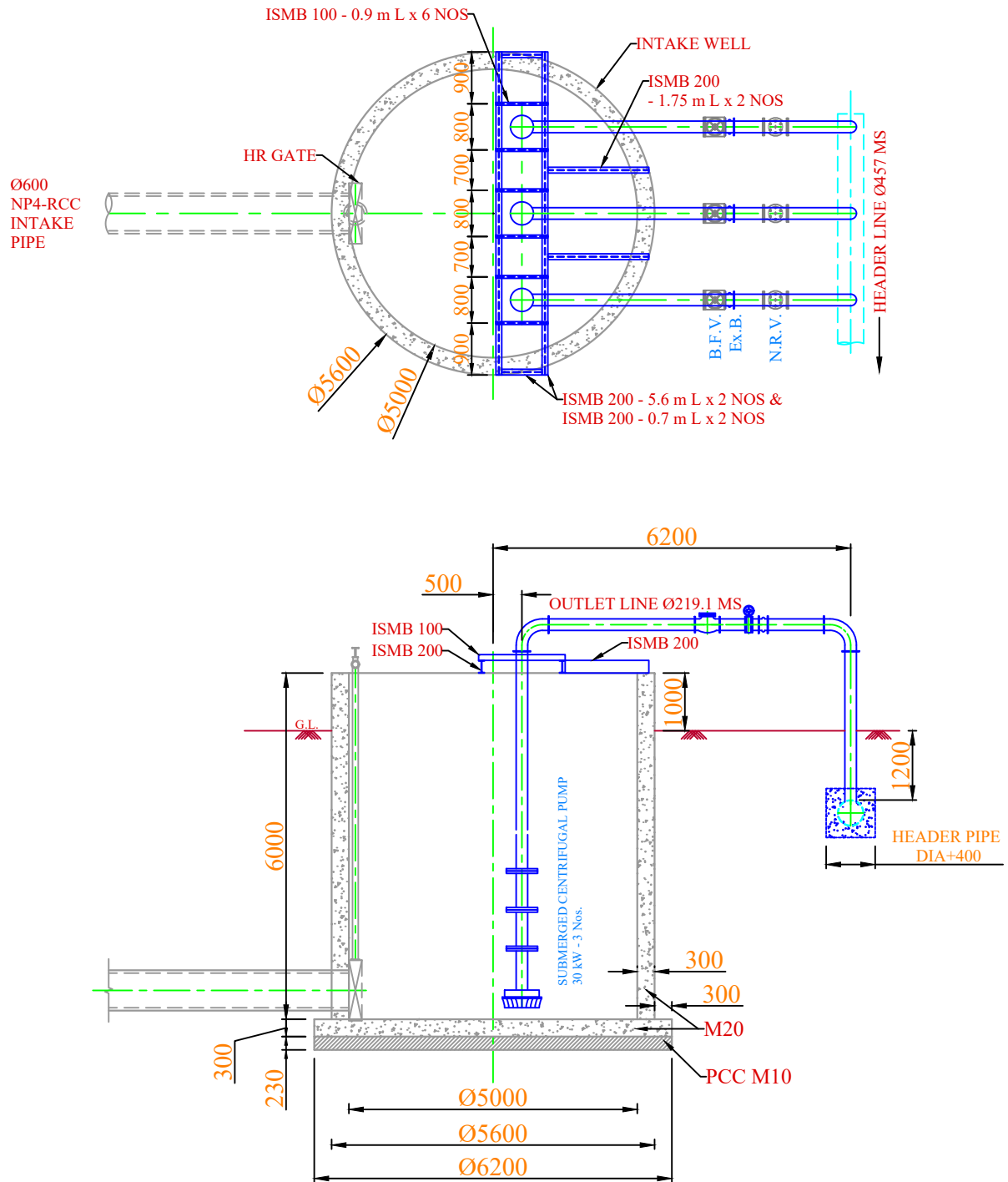
NAME OF WORK :
CONTRACT FOR PROVIDING IRRIGATION WATER FACILITY TO
FILLING KELAMUL VILLAGE TANK BY LIFTING WATER FROM
KLBMC AT CH.8.20 KM OF TALUKA KADANA, DIST. MAHISAGAR.

CLIENT :
GOVERNMENT OF GUJARAT
NARMADA WATER RESOURCES WATER SUPPLY &
KALPSAR DEPARTMENT

DRAWING DETAILS :
KEY PLAN LAYOUT OF PUMPING STATION FOR LIFT IRRIGATION
PROJECT

CONSULTANT :
 **HOMELAND ENGINEERS**
SURVEY DESIGN AND GEOTECHNICAL CONSULTANT
Email - Homeland0789@gmail.com
Contact No. 99788-52164

GENERAL ARRANGEMENT DRAWING OF INTAKE WELL AND PUMP
FOR KELAMUL LIFT IRRIGATION PROJECT.



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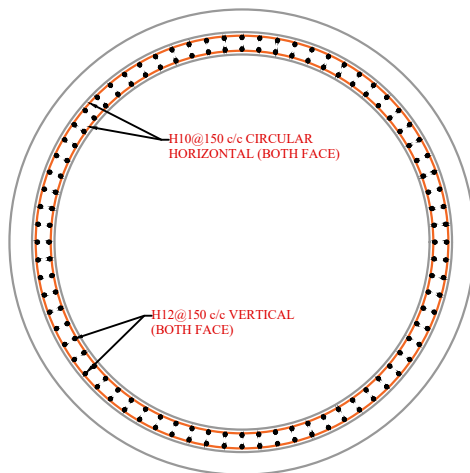
CLIENT :
GOVERNMENT OF GUJARAT
NARMADA WATER RESOURCES WATER SUPPLY &
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DRAWING DETAILS :
GENERAL ARRANGEMENT DRAWING OF INTAKE WELL AND
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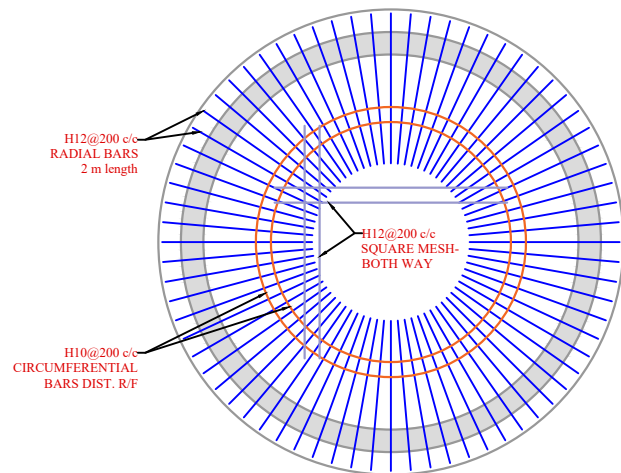
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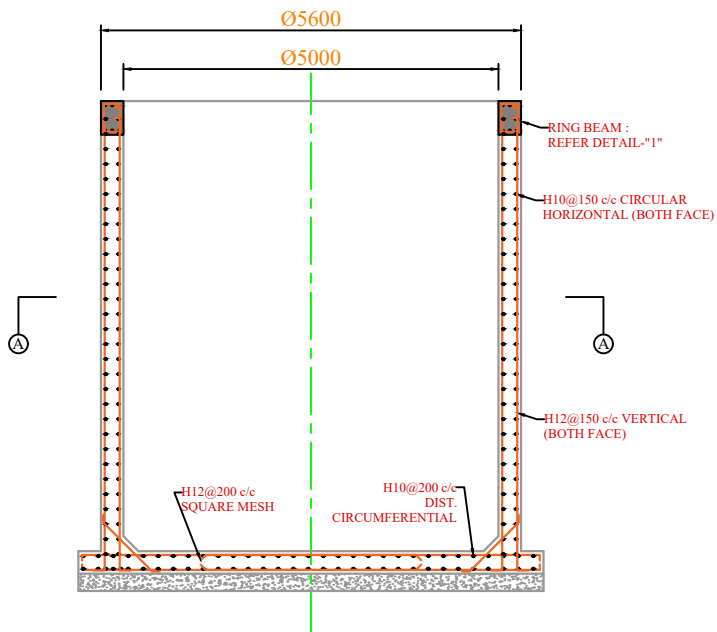
REINFORCEMENT DRAWING OF INTAKE WELL (Ø5000)



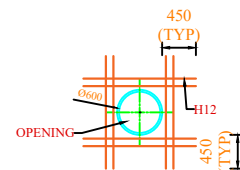
SECTION C-C
PLAN VIEW : R/F FOR VERTICAL WALL



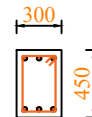
PLAN VIEW : BOTTOM RAFT R/F
(APPLICABLE TO TOP & BOTTOM)



INTAKE WELL : WALL R/F
SECTIONAL VIEW




DETAIL "2"- CIRCULAR OPENING
FOR PIPE INTAKE

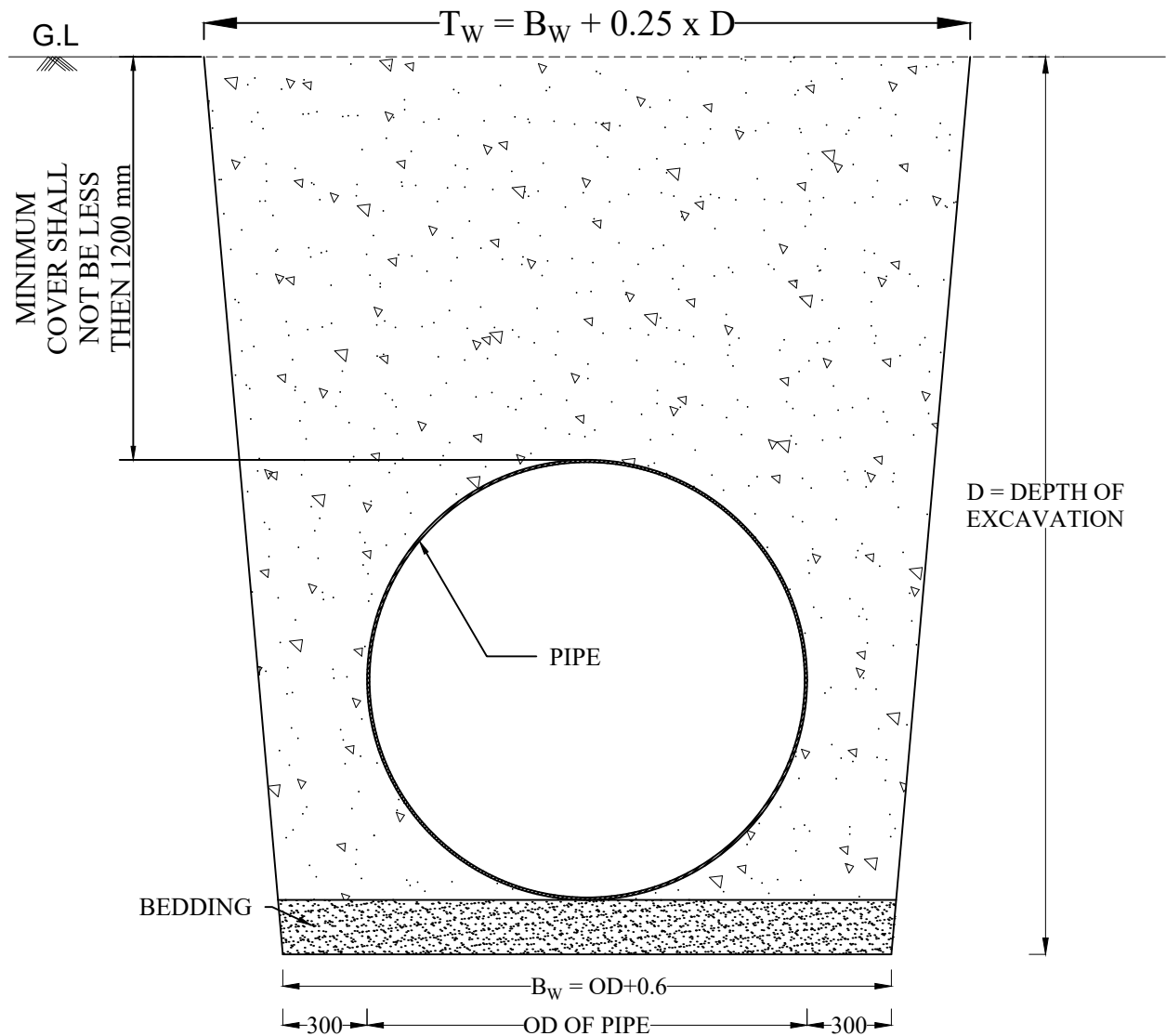


REINFORCEMENT:
TOP STEEL: H16-3 nos
BOTTOM STEEL: H16-3 nos
STIRRUPS: H8@150 c/c

DETAIL "1"- RING BEAM
AT TOP OF WALL

REVISION : R0	NAME OF WORK : CONTRACT FOR PROVIDING IRRIGATION WATER FACILITY TO FILLING KELAMUL VILLAGE TANK BY LIFTING WATER FROM KLBMC AT CH.8.20 KM OF TALUKA KADANA, DIST. MAHISAGAR.	DRAWING DETAILS : REINFORCEMENT DRAWING OF INTAKE WELL (Ø5000)
	CLIENT : GOVERNMENT OF GUJARAT NARMADA WATER RESOURCES WATER SUPPLY & KALPSAR DEPARTMENT	CONSULTANT :  HOMELAND ENGINEERS SURVEY DESIGN AND GEOTECHNICAL CONSULTANT Email - Homeland6789@gmail.com Contact No. 99789-52164

TYPICAL DRAWING OF PIPELINE TRENCH (CROSS SECTION FOR EXCAVATION FOR LAYING OF PIPELINE IN ALL STRATA)



DRAWING DETAILS :

TYPICAL DRAWING OF PIPELINE TRENCH PIPELINE

NAME OF WORK :

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CLIENT :

GOVERNMENT OF GUJARAT
NARMADA WATER RESOURCES WATER SUPPLY &
KALPSAR DEPARTMENT

NOTES :

1. ALL DIMENSIONS ARE IN mm.
2. DIMENSIONS & DETAILS ARE SHOWN IN DRAWING.

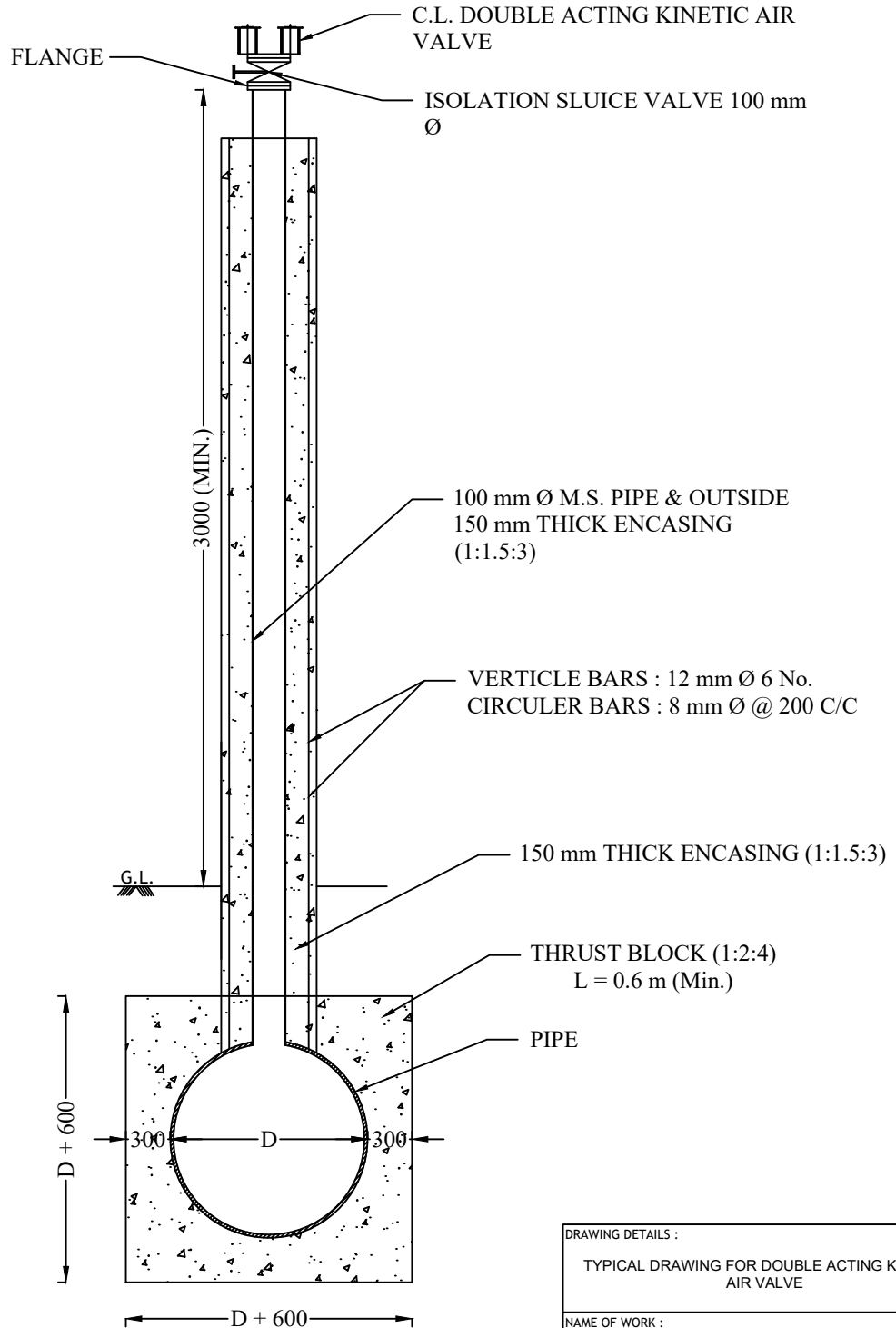
CONSULTANT :



HOMELAND ENGINEERS

SURVEY DESIGN AND GEOTECHNICAL CONSULTANT
Email - Homeland6789@gmail.com
Contact No. 99789-52164

TYPICAL DRAWING FOR PROVIDING & ERECTING DOUBLE ACTING KINETIC AIR VALVE



NOTES :

1. ALL DIMENSIONS ARE IN mm.
2. DIMENSIONS & DETAILS ARE SHOWN IN DRAWING.
3. MINIMUM COVER SHOULD BE MAINTAINED FOR REINFORCEMENT.

DRAWING DETAILS :

TYPICAL DRAWING FOR DOUBLE ACTING KINETIC AIR VALVE

NAME OF WORK :

CONTRACT FOR PROVIDING IRRIGATION WATER FACILITY TO FILLING KELAMUL VILLAGE TANK BY LIFTING WATER FROM KLBMC AT CH.8.20 KM OF TALUKA KADANA, DIST. MAHISAGAR.

CLIENT :

GOVERNMENT OF GUJARAT
NARMADA WATER RESOURCES WATER SUPPLY &
KALPSAR DEPARTMENT

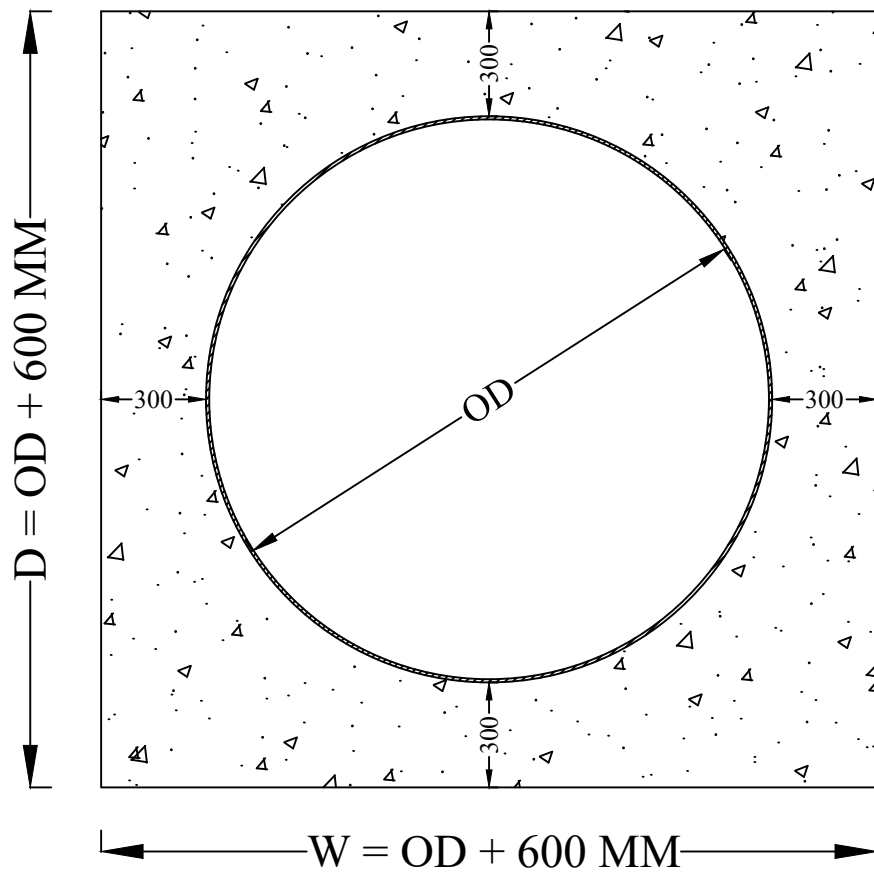
CONSULTANT :



HOMELAND ENGINEERS

SURVEY DESIGN AND GEOTECHNICAL CONSULTANT
Email - Homeland6759@gmail.com
Contact No. 99769-52164

TYPICAL DRAWING OF SECTION OF ENCASING FOR ROAD, RIVER & DRAIN CROSSING



NOTES :

1. ALL DIMENSIONS ARE IN mm.
2. DIMENSIONS & DETAILS ARE SHOWN IN DRAWING.
3. MINIMUM COVER (50 MM) SHOULD BE MAINTAINED FOR EINFORCEMENT.

DRAWING DETAILS :

TYPICAL DRAWING OF SECTION OF ENCASING FOR ROAD,
RIVER & DRAIN CROSSING

NAME OF WORK :

CONTRACT FOR PROVIDING IRRIGATION WATER FACILITY TO FILLING
KELAMUL VILLAGE TANK BY LIFTING WATER FROM KLBMC AT CH.8.20
KM OF TALUKA KADANA, DIST. MAHISAGAR.

CLIENT :

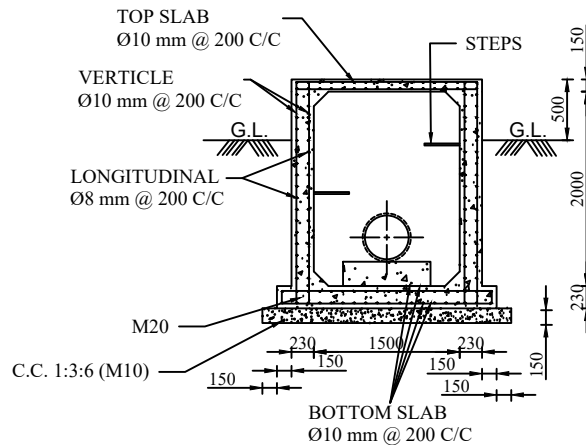
GOVERNMENT OF GUJARAT
NARMADA WATER RESOURCES WATER SUPPLY &
KALPSAR DEPARTMENT

CONSULTANT :

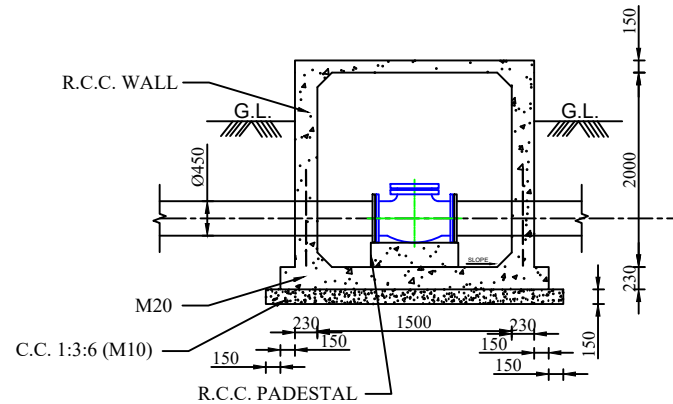


HOMELAND ENGINEERS

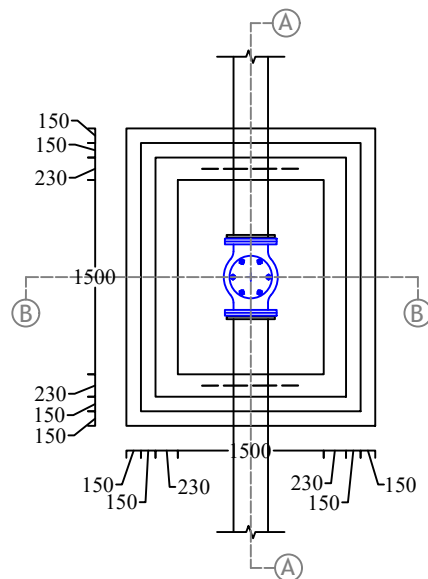
SURVEY DESIGN AND GEOTECHNICAL CONSULTANT
Email - Homeland6759@gmail.com
Contact No. 99769-52164



SECTION B-B



SECTION A-A



BOTTOM PLAN

NOTES :

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METER UNLESS NOTED ANYWHERE.
2. ALL STRUCTURAL CONCRETE SHALL BE OF GRADE M20 FOR WALL AND SLAB WITH MIN. CEMENT CONTENT 400 KG/M³ & PLAIN CEMENT CONCRETE SHALL BE OF 1:3:6 (M10).
3. USE TMT BARS OF GRADE FE-500 FOR ALL R.C.C. WORK.
4. SIZE OF AGGREGATE SHOULD NOT BE MORE THAN 20 MM.
5. REINFORCEMENT REQUIRED SHALL BE marginally shifted OR BENT TO CLEAR OPENING. EMBEDMENT ETC. IN NO CASE WITHOUT PRIOR APPROVED OF ENGINEER IN-CHARGE.
6. CLEAR COVER TO REINFORCEMENT SHALL BE
(A) RAFT & WALL - 40 MM
(B) SLAB - 25 MM
7. ANY SOFT OR LOOSE STRATUM MET WITH UNDER FOUNDATION IT SHALL BE EXCAVATED & MADE GOOD WITH LEAN CONCRETE.
8. DURING CONSTRUCTION TO COUNTER BOUYANCY, ALL NECESSARY PRECAUTIONS SHALL BE TAKEN EITHER IN FORM OF SAND BAGS, CONTINUOUS DEWATERING ETC.
9. A CLEAR SPACE OF AROUND 600 MM BETWEEN WALL AND ADJACENT EQUIPMENT & 300 MM BETWEEN VALVE & FLOOR SHALL BE AVAILABLE FOR OPERATING THE VALVE, OPENING AND CLOSING OF FLANGES AND OTHER MAINTENANCE ACTIVITIES ON THE B.F.V. / BELOW.
10. ALL VALVE SHALL BE SUPPORTED FROM THE BOTTOM OF VALVE ON R.C.C. PEDESTAL.
10. AN EASY ACCESS FOR O&M ACTIVITY BY MANPOWER TO THE ALL VALVE SHALL BE PROVIDED.

SPECIAL NOTES :

1. DEPTH OF CHAMBER - AS PER SITE REQUIREMENT.
2. DIMENSIONS & DETAILS ARE SHOWN AS PER DRAWING.

REVISE DRAWING- DT- 01/09/2025

DRAWING DETAILS :

DRAWING OF NRV/BF/SV- VALVE CHAMBER
(1.5 x 1.5 x 2.0 m) FOR Ø450 mm PIPELINE

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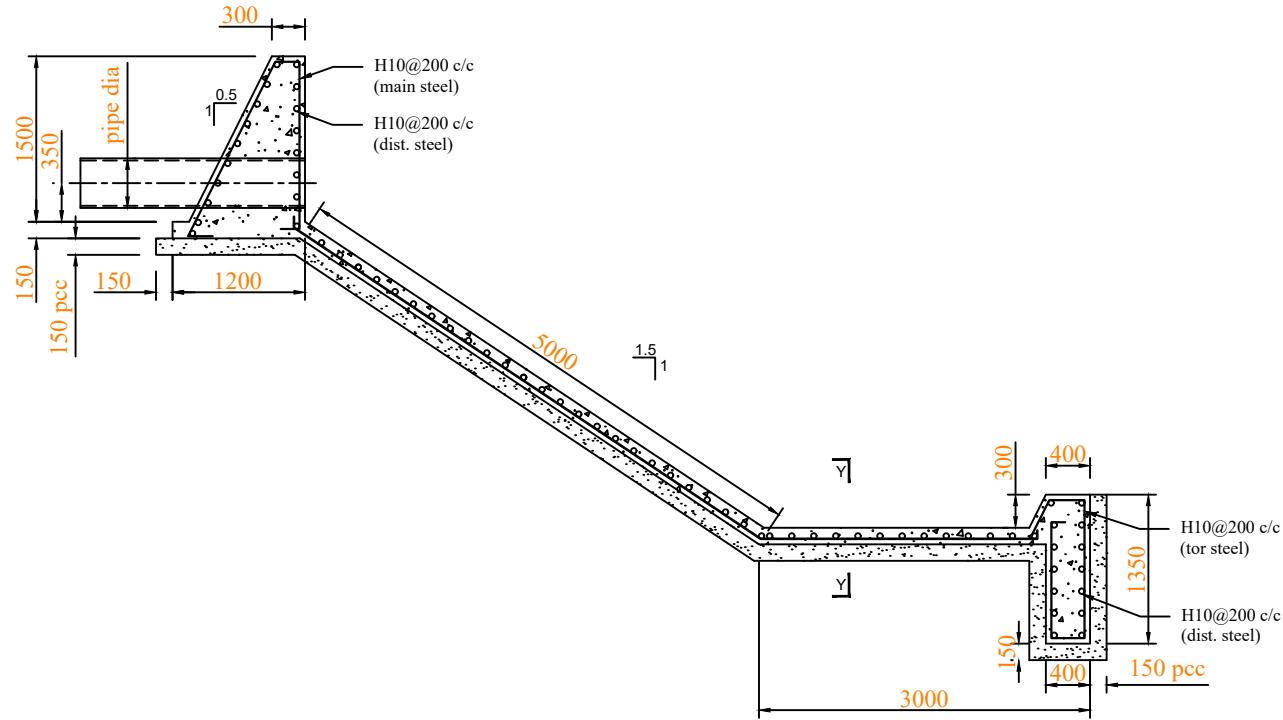
CLIENT :

GOVERNMENT OF GUJARAT
NARMADA WATER RESOURCES WATER SUPPLY &
KALPSAR DEPARTMENT

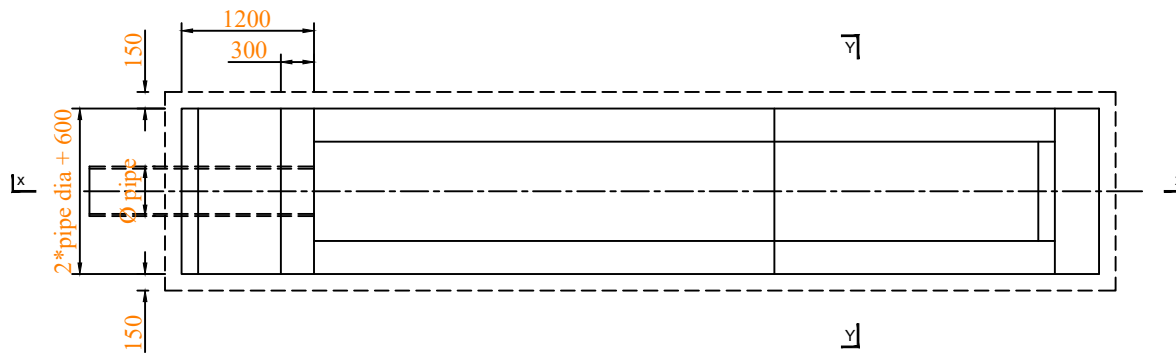
CONSULTANT :



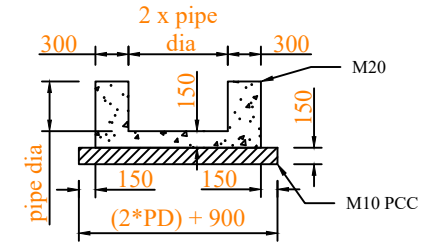
HOMELAND ENGINEERS
SURVEY DESIGN AND GEOTECHNICAL CONSULTANT
Email - Homeland6789@gmail.com
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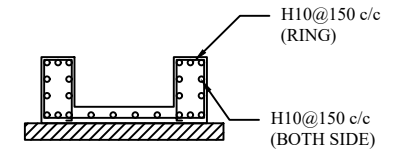
SECTION X-X



PLAN



SECTION Y-Y



R/F DETAILS

NOTES :-

1. ALL DIMENSION ARE IN MM & LEVEL ARE IN METER.
2. ALL STRUCTURAL CONCRETE SHALL BE OF GRADE M-20 & PLAIN CEMENT CONCRETE SHALL BE OF M-10.
3. USE TMT BARS OF GRADE FE 500 AS PER IS:1786 FOR ALL R.C.C WORK.
4. SIZE OF AGGREGATE SHOULD NOT BE MORE THAN 20MM.
5. REINFORCEMENT IF REQUIRED SHALL BE marginally shifted or bent to clear opening, embedment etc. IN NO CASE WITHOUT PRIOR APPROVED OF ENGINEER IN CHARGE.
6. CLEAR COVER TO REINFORCEMENT SHALL BE (A) RAFT & WALL - 50MM.
7. ANY SOFT OR LOOSE STRATUM MET WITH UNDER FOUNDATION IT SHALL BE EXCAVATED & MADE GOOD WITH CLEAR CONCRETE.
8. DIMENSIONS & DETAILS SHOWN IN DRAWING ARE MINIMUM & INDICATIVE ONLY BIDDER SHALL HAVE TO DESIGN OF PROVIDE TO APPROPRIATELY TO MEET THE SYSTEM REQUIREMENT.

DRAWING DETAILS :

DISSIPATION STRUCTURE FOR FEEDING VILLAGE TANK

NAME OF WORK :

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