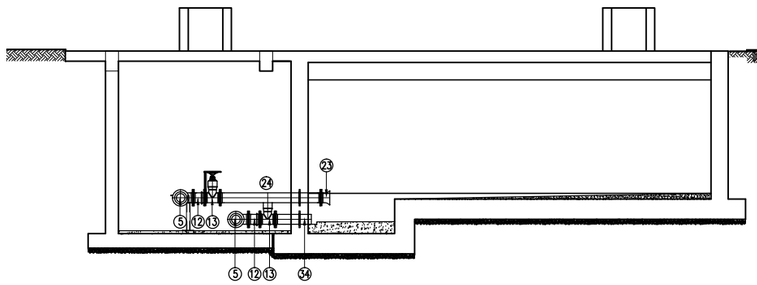
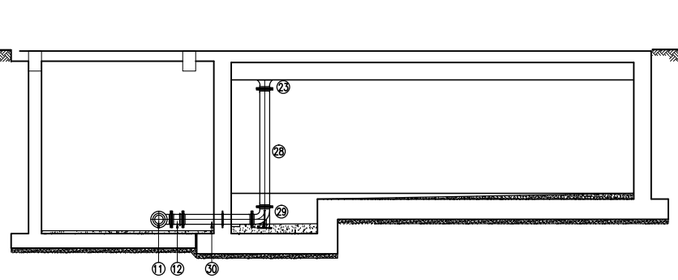
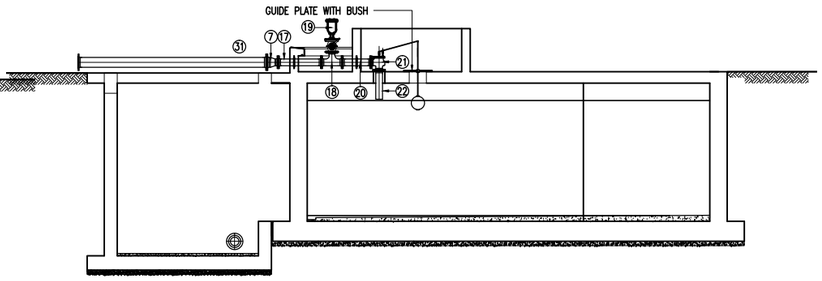


A SECTION
SCALE 1:50



B SECTION
SCALE 1:50




C SECTION
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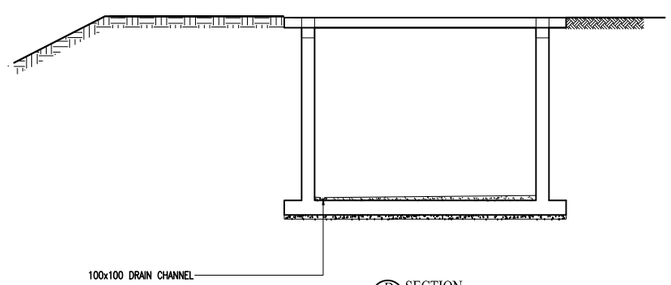
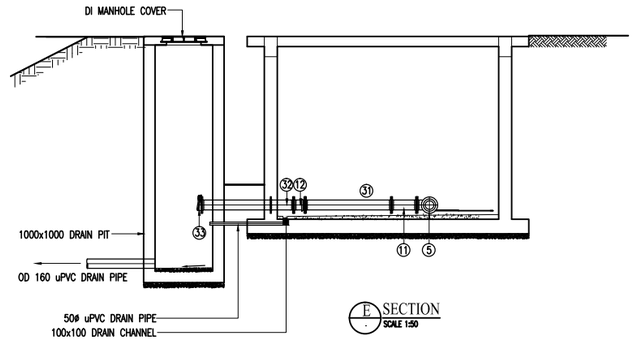
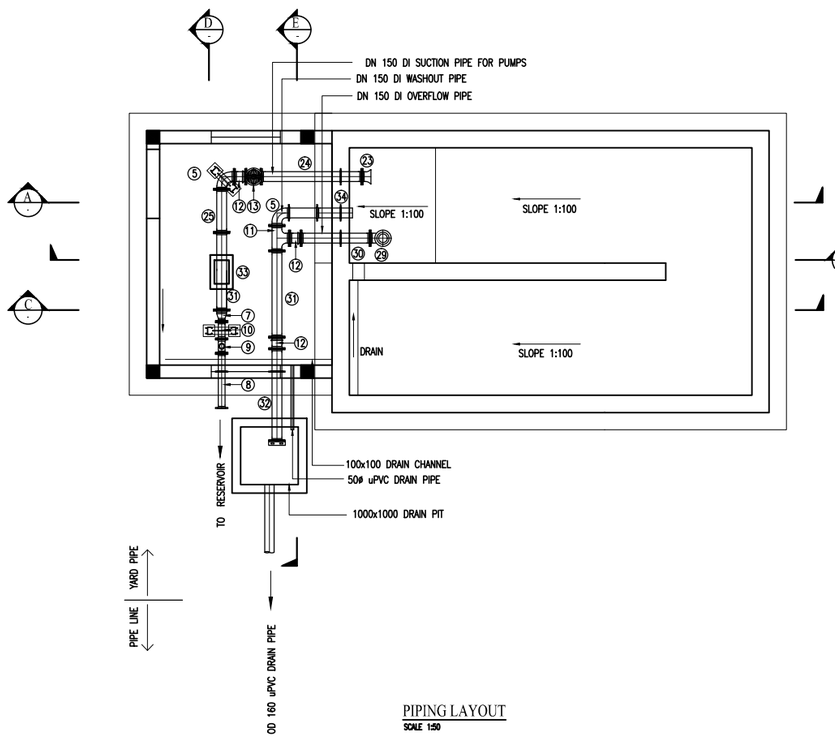


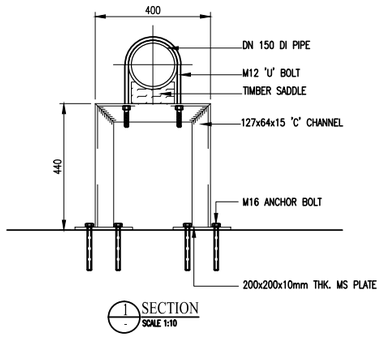

D SECTION
SCALE 1:50



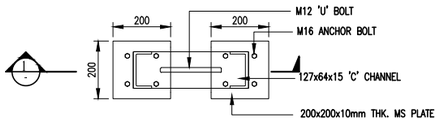

E SECTION
SCALE 1:50



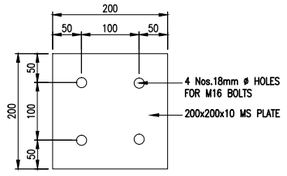

PIPING LAYOUT
SCALE 1:50




1 SECTION
SCALE 1:10




DETAILS OF PIPE SUPPORT - PS1
SCALE 1:10




DETAILS OF MS PLATE ( 200x200 )
SCALE 1:5

| ITEM NO. | DESCRIPTION | DIA.(mm) | MATERIAL | LENGTH | PRESSURE | QUANTITY |
|---|---|---|---|---|---|---|
| 1 | DI/PE COUPLING & REDUCER | 180X150 | DI | - | PN10 | 1 |
| 2 | FLANGE SPIGOT PIPE | 150 | DI | 500 | PN10 | 1 |
| 3 | 22.5° BEND | 150 | DI | - | PN10 | 1 |
| 4 | DOUBLE FLANGED PIPE | 150 | DI | 2000 | PN10 | 1 |
| 5 | 90° BEND | 150 | DI | - | PN10 | 7 |
| 6 | DOUBLE FLANGE PIPE | 150 | DI | 600 | PN10 | 1 |
| 7 | 150x100 FLANGE REDUCER | 150x100 | DI | - | PN10 | 4 |
| 8 | DOUBLE FLANGE PIPE WITH PUDDLE FLANGE | 100 | DI | 960 | PN10 | 1 |
| 9 | FLOW METER | 100 | DI | - | PN10 | 1 |
| 10 | DOUBLE FLANGE PIPE | 100 | DI | 300 | PN10 | 1 |
| 11 | 150x150 ALL FLANGE EQUAL TEE | 150x150 | DI | - | PN10 | 3 |
| 12 | DISMANTLING JOINT | 150 | DI | 200 | PN10 | 6 |
| 13 | 0.03 KW CAPACITY PUMP | 150 | DI | - | - | 4 |
| 14 | DOUBLE FLANGE PIPE | 150 | DI | 1500 | PN10 | 1 |
| 15 | DOUBLE FLANGE PIPE WITH PUDDLE FLANGE | 150 | DI | 2330 | PN10 | 1 |
| 16 | DOUBLE FLANGE PIPE | 150 | DI | 1295 | PN10 | 1 |
| 17 | DOUBLE FLANGE PIPE WITH PUDDLE FLANGE | 100 | DI | 750 | PN10 | 1 |
| 18 | 100x80 ALL FLANGE EQUAL TEE | 100x80 | DI | - | PN10 | 1 |
| 19 | SINGLE ORIFICE AIR VALVE | 80 | DI | - | PN10 | 1 |
| 20 | DOUBLE FLANGE PIPE WITH PUDDLE FLANGE | 100 | DI | 500 | PN10 | 1 |
| 21 | BALL FLOAT VALVE | 100 | DI | - | PN10 | 1 |
| 22 | FLANGE SPIGOT PIPE | 100 | DI | - | PN10 | 1 |
| 23 | BELL MOUTH | 150 | DI | - | PN10 | 2 |
| 24 | DOUBLE FLANGE PIPE WITH PUDDLE FLANGE | 150 | DI | 1750 | PN10 | 1 |
| 25 | DOUBLE FLANGE PIPE | 150 | DI | 750 | PN10 | 1 |
| 26 | DOUBLE FLANGE PIPE | 150 | DI | 4075 | PN10 | 1 |
| 27 | DUCK FOOT BEND | 150 | DI | - | PN10 | 1 |
| 28 | DOUBLE FLANGE PIPE WITH PUDDLE FLANGE | 150 | DI | 1200 | PN10 | 1 |
| 29 | DOUBLE FLANGE PIPE | 150 | DI | 1500 | PN10 | 1 |
| 30 | FLANGE SPIGOT PIPE WITH PUDDLE FLANGE | 150 | DI | 1600 | PN10 | 1 |
| 31 | DOUBLE FLANGE PIPE | 150 | DI | 4000 | PN10 | 1 |
| 32 | FLANGE SPIGOT PIPE WITH PUDDLE FLANGE | 150 | DI | 625 | PN10 | 1 |
| 33 | 51m3/day CAPACITY CARTRIDGE FILTER | | | | | 1 |

NOTE :-
1. CONTRACTOR SHOULD PROVIDE CONCRETE AND/OR METAL PIPE SUPPORT.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CLIENT: MINISTRY OF ENVIRONMENT AND ENERGY | CONSULTANCY SERVICES FOR DESIGN OF WATER SUPPLY FACILITIES IN Ha.HORAFUSHI, Hdh.HANIMAADHOO,Sh.MILANDHOO,R.UNGOOFAARU,Lh.NAIFARU,Dh,KUDAHUVADHOO ,Th.GURAIDHOO AND Ga.VILLINGILI , MALDIVES | DESIGN ENGINEER | DRAWN | CHECKED DESIGN CHIEF | APPROVED | SL.NO | DRWING NO | DESCRIPTION |
| GREENTECH CONSULTANTS (Pvt.) Ltd IN ASSOCIATION WITH DEVELOPMENT COLLABORATION PARTNERSHIP (Pvt.) Ltd MALDIVES AND OPTIMUM SOLOUTIONS (Pvt) Ltd, MALDIVES | TITLE: MILANDHOO RAIN WATER COLLECTING SUMP | DATE | DRG.NO: MILANDHOO/RAINWATERSUMP<br>SCALE: NOT TO SCALE | | | | | |