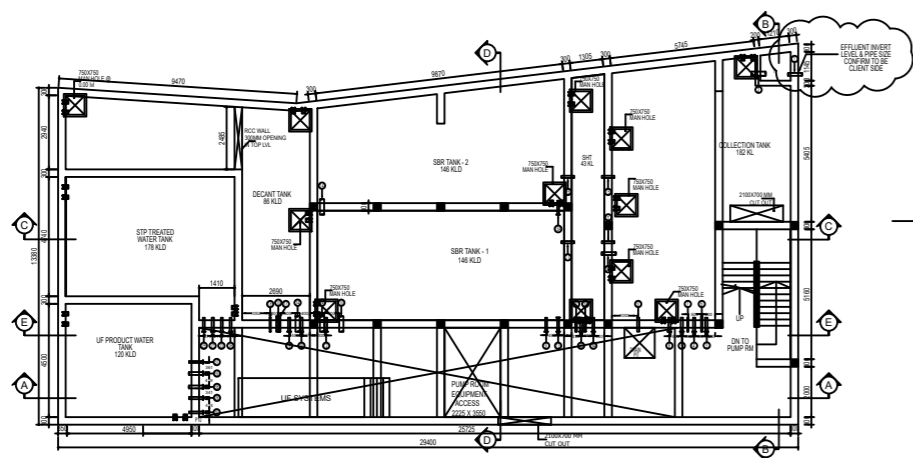
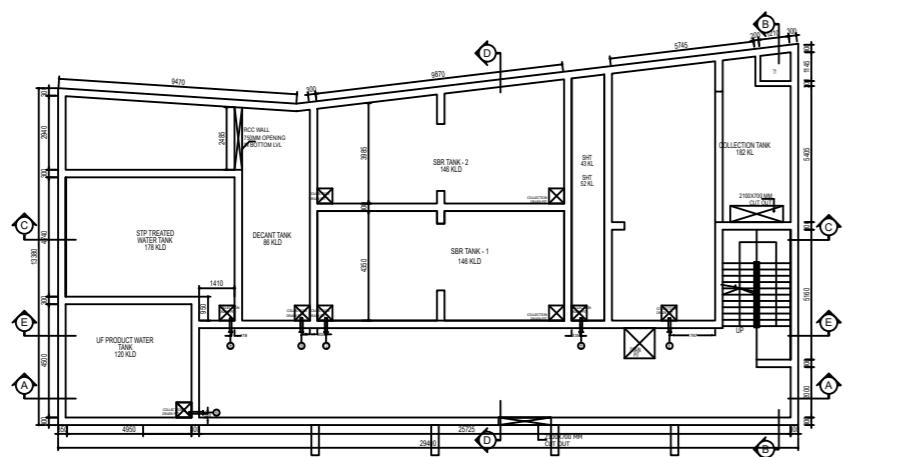


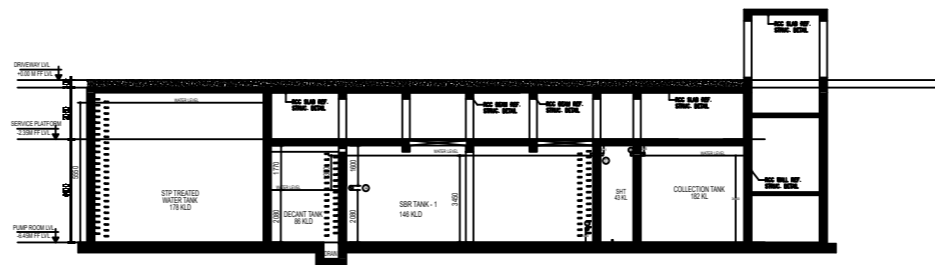
PLAN @ DRIVE LEVEL (+ 0.00 M LVL)



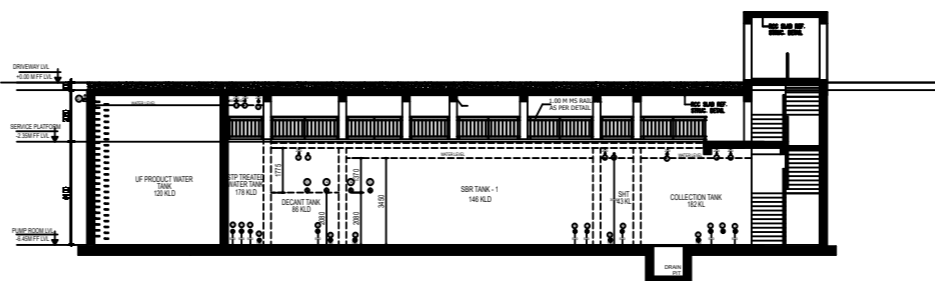
PLAN @ MEZZANINE PLATFORM LEVEL (- 2.00 M LVL)



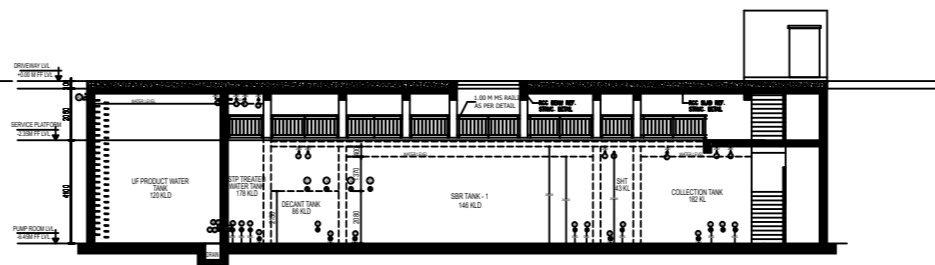
PLAN @ PUMP ROOM LEVEL (- 6.20 M LVL)



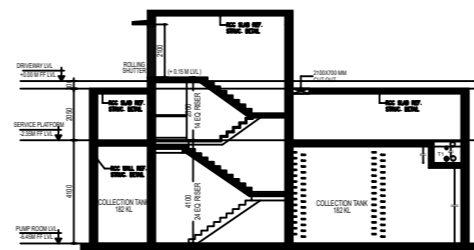
SECTION - CC



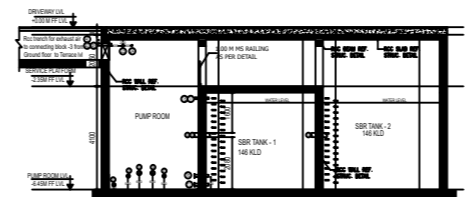
SECTION - EE



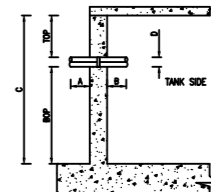
SECTION - AA



SECTION - BB



SECTION - DD





NOTES:  
T.O.P - TOP OF THE TANK TO TOP OF THE PUDDLE  
B.O.P - BOTTOM OF THE TANK TO BOTTOM OF THE PUDDLE  
C - TOTAL DEPTH OF THE TANK  
D - DIAMETER OF THE PUDDLE PIPE

NOTE :

1) MAGENTA COLOUR  
GI PUDDLE PIPE ARE  
2) WHITE COLOUR  
UPVC PUDDLE PIPE  
ARE OUR SCOPE  
(TOP LEVEL)

| S.NO | DESCRIPTION  | A   | B   | C    | SIZE D | MOC  | B.O.P | T.O.P |
|------|--|-----|-----|------|--------|------|-------|-------|
| 1    | SEWAGE INLET TO SCREEN CHAMBER                         | 150 | 100 | 3850 | 4"     | UPVC | 3736  | 0     |
| 2    | SCREEN CHAMBER OUTLET TO COLLECTION TANK               | 150 | 100 | 3850 | 6"     | UPVC | 3282  | 400   |
| 3    | SEWAGE SUCTION LINE-1 TO SBR TANK                      | 150 | 100 | 3850 | 3"     | GI   | 500   | 3261  |
| 4    | SEWAGE SUCTION LINE-2 TO SBR TANK                      | 150 | 100 | 3850 | 3"     | GI   | 500   | 3261  |
| 5    | SEWAGE SUCTION LINE-3 TO SBR TANK                      | 150 | 100 | 3850 | 3"     | GI   | 500   | 3261  |
| 6    | SEWAGE TRANSFER PUMP BYPASS LINE                       | 150 | 100 | 3850 | 2"     | UPVC | 3590  | 200   |
| 7    | SEWAGE TANK FLOAT LINE                                 | 150 | 100 | 3850 | 11/2"  | UPVC | 3602  | 200   |
| 8    | COLLECTION TANK DRAIN LINE                             | 150 | 100 | 3850 | 3"     | GI   | 150   | 3611  |
| 9    | SBR TANK-1 SLUDGE PUMP SUCTION LINE                    | 150 | 100 | 3850 | 21/2"  | GI   | 500   | 3274  |
| 10   | SBR TANK-1 TO DECANT WATER TANK                        | 150 | 100 | 3850 | 6"     | UPVC | 2082  | 1600  |
| 11   | SBR TANK-1 OVER FLOW TO COLLECTION TANK                | 150 | 100 | 3850 | 3"     | UPVC | 3450  | 311   |
| 12   | SBR TANK-1 DRAIN LINE                                  | 150 | 100 | 3850 | 3"     | GI   | 150   | 3611  |
| 13   | SBR TANK-2 TO DECANT WATER TANK                        | 150 | 100 | 3850 | 21/2"  | GI   | 500   | 3274  |
| 13A  | SBR TANK-2 SLUDGE PUMP SUCTION LINE                    | 150 | 100 | 3850 | 21/2"  | GI   | 500   | 3274  |
| 14   | SBR TANK-2 TO DECANT WATER TANK                        | 150 | 100 | 3850 | 6"     | UPVC | 2082  | 1600  |
| 15   | SBR TANK-2 OVER FLOW TO COLLECTION TANK                | 150 | 100 | 3850 | 3"     | UPVC | 3450  | 311   |
| 16   | FILTER FEED PUMP SUCTION LINE                          | 150 | 100 | 3850 | 3"     | GI   | 500   | 3236  |
| 17   | FILTER FEED PUMP BYPASS LINE                           | 150 | 100 | 3850 | 2"     | UPVC | 3590  | 200   |
| 18   | DECANT TANK FLOAT LINE                                 | 150 | 100 | 3850 | 11/2"  | UPVC | 3602  | 200   |
| 19   | DECANT TANK DRAIN LINE                                 | 150 | 100 | 3850 | 3"     | GI   | 150   | 3611  |
| 20   | ACF TREATED WATER TO STP TREATED WATER TANK INLET LINE | 150 | 100 | 5950 | 3"     | UPVC | 5661  | 200   |
| 21   | FILTER BACKWASH PUMP SUCTION LINE                      | 150 | 100 | 5950 | 2"     | GI   | 500   | 5374  |
| 22   | UF FEED PUMP SUCTION LINE                              | 150 | 100 | 5950 | 21/2"  | GI   | 500   | 5374  |
| 23   | UF FEED PUMP BYPASS LINE                               | 150 | 100 | 5950 | 2"     | UPVC | 5690  | 200   |
| 24   | STP TREATED WATER TANK FLOAT LINE                      | 150 | 100 | 5950 | 11/2"  | UPVC | 5702  | 200   |
| 25   | SPARE PUMP SUCTION LINE                                | 150 | 100 | 5950 | 21/2"  | GI   | 500   | 5374  |
| 26   | STP TREATED WATER TANK DRAIN LINE                      | 150 | 100 | 5950 | 21/2"  | GI   | 150   | 5711  |
| 27   | UF TREATED WATER TO UF PRODUCT TANK INLET LINE         | 150 | 100 | 5950 | 3"     | UPVC | 5661  | 200   |
| 28   | UF BACKWASH PUMP SUCTION LINE                          | 150 | 100 | 5950 | 3"     | GI   | 500   | 5374  |
| 29   | UF PRODUCT TANK FLOAT LINE                             | 150 | 100 | 5950 | 11/2"  | UPVC | 5702  | 200   |
| 30   | UF PRODUCT TANK DRAIN LINE                             | 150 | 100 | 5950 | 21/2"  | GI   | 150   | 5711  |
| 31   | SPARE PUMP SUCTION LINE                                | 150 | 100 | 5950 | 21/2"  | GI   | 500   | 5374  |
| 32   | SBR TANK-1 SLUDGE INLET LINE                           | 150 | 100 | 3850 | 2"     | UPVC | 3590  | 200   |
| 33   | SBR TANK-2 SLUDGE INLET LINE                           | 150 | 100 | 3850 | 2"     | UPVC | 3590  | 200   |
| 34   | SLUDGE TANK SUCTION LINE                               | 150 | 100 | 3850 | 21/2"  | GI   | 500   | 3274  |
| 35   | SLUDGE TANK DRAIN LINE                                 | 150 | 100 | 3850 | 3"     | GI   | 150   | 3611  |
| 36   | SLUDGE TANK OVER FLOW LINE TO COLLECTION TANK          | 150 | 100 | 3850 | 4"     | UPVC | 3450  | 286   |
| 37   | DRAIN PIT TO COLLECTION TANK INLET LINE                | 150 | 100 | 3850 | 3"     | UPVC | 3561  | 200   |
| 38   | UF PRODUCT SPARE PUMP SUCTION LINE-1                   | 150 | 100 | 5950 | 4"     | GI   | 600   | 5236  |
| 39   | UF PRODUCT SPARE PUMP SUCTION LINE-2                   | 150 | 100 | 5950 | 4"     | GI   | 600   | 5236  |
| 40   | STP TREATED WATER TANK OUTLET SPARE LINE               | 150 | 100 | 5950 | 3"     | UPVC | 5711  | 150   |
| 41   | EQUIPMENT ROOM SIDE WALL OUTLET SPARE LINE-1           | 150 | 100 | 5950 | 3"     | UPVC | 5711  | 150   |
| 42   | EQUIPMENT ROOM SIDE WALL OUTLET SPARE LINE-2           | 150 | 100 | 5950 | 3"     | UPVC | 5711  | 150   |
| 43   | EQUIPMENT ROOM SIDE WALL OUTLET SPARE LINE-3           | 150 | 100 | 5950 | 3"     | UPVC | 5711  | 150   |

|   |                     |                                |            |  |           |
|---|---------------------|--------------------------------|------------|--|-----------|
| PROJECT   |                     | SEWAGE TREATMENT PLANT-350 KLD |            |  |           |
| CLIENT  |                     | CASA GRANDE - TUDOR PROJECT    |            |  |           |
| DWG SIZE  | A2                  | NAME                           | DATE       | <br><b>ION TECHNIQUES</b> |           |
|   | DRAWN               | POOMURUGAN                     | 10.08.2022 |  |           |
|    | CHECKED             | DM.ENG                         |            |  |           |
|   | APPROVED            | STM                            |            |  |           |
| SCALE   | TITLE:              |                                |            | DWG NO:  |           |
| 1:180   | PUDDLE PIPE DRAWING |                                |            | 01-ION-CG-STP-350KLD-2022-R1   |           |
| THIS DRAWING IS THE PROPERTY OF M/S ION TECHNIQUES AND MUST NOT BE COPIED IN WHOLE OR PART OR LENT OUT WITHOUT THEIR WRITTEN PERMISSION |                     |                                |            |  | REV.<br>2 |