


- NOTES**
- 1- ALL DIMENSION & LEVEL ARE IN METER UNLESS OTHERWISE INDICATED .INDICATED.
 - 2-PIPE DIMENSION ARE IN METER.
 - 3-THE REFERENCE LEVEL+0.00 IN ALL RESERVOIR RELATED DRAWING CORRESPOND TO THE RESERVOIR FLOOR LEVEL.
 - 4- ALL METALLIC WORK ARE TO STAINLESS STEEL INSIDE THE RESERVOIR AND GALVANIZED STEEL OTHERWISE.
 - 5- ALL VALVES MUST BE INSTALLED BENEATH PRECAST BEAMS LOCATIONS.
 - 6- MINIMUM WATER LEVEL MWL =200MM
 - 7- GATE VALVE MUST BE INSTALLED FOR PIPE DIAMETER LESS THAN 200mm AND BUTTERFLY VALVE FOR LARGER DIAMETER.
 - 8- INLET VALVE SHALL BE ELECTRICALLY OPERATED.
 - 9- DIAMETERS OF INLET,OUTLET, OVERFLOW AND DRAINS PIPING DEPENDS ON HYDRAULIC REQUIREMENT.
 - 10- ALL DIMENSION ARE ONLY FOR GUIDANCE, AND THE CONTRACTOR MUST PROVIDE THE OWNER WITH THE FULL DETAILED DESIGN DRAWING IN ADAPTION TO THE SITE CONDITIONS AND THE SPECIFIC PROJECT REQUIREMENTS.
 - 11- PIEZOMETER TO BE INSTALLED OUTSIDE THE TABLE FOR PHYSICALLY CHECKING WATER LEVEL IN CASE OF ELECTRIC BREAKDOWN

- LEGEND**
- 1- FINISHED GROUND LEVEL
 - 2- EXCAVATION LIMIT
 - 3- RESERVOIR FOUNDATION LIMIT
 - 4- ROOF BOUNDARIES
 - 5- RESERVOIR'S WALL LIMIT
 - 6- CARGOYLE FOR ROOF WATER DRAIN
 - 7- REMOVABLE HANDRAIL
 - 8- CHAMBER VENTILATION
 - 9- RESERVOIR FLOOR
 - 10- REINFORCED CONCRETE
 - 11- BLINDING CONCRETE
 - 12- CONCRETE SUPPORT FOR PIPE AND FITTINGS
 - 13- PRECAST REINFORCED CONCRETE BEAM
 - 14- REINFORCED CONCRETE SILL AT THE TOP OF THE DRAINAGE CANAL WITH A 150mm DROP
 - 15- REINFORCED CONCRETE COLUMNS
 - 16- BAFFLE WALL
 - 17- OPENING IN BAFFLE WALL BOTTOM 500x500MM ONE OPENING HALFWAY BETWEEN TWO CONSECUTIVE COLUMNS
 - 18- FLOOR DRAINAGE CANAL WITH A LONGITUDINAL SLOPE EQUAL TO 1% CONVEYING WATER TO THE DRAINAGE PIT
 - 19- METALLIC COVER AND FRAME FOR THE ACCESS OPENING PAINTED WITH ANTI-CORROSIVE PAINT
 - 20- OPENING FOR ACCESS (900x900mm)
 - 21- METALLIC LADDER,VERTICAL ELEMENTS Ø50 mm& HORIZONTAL STEPS Ø25mm Ø300mm, WITH CAGE WHERE THE HEIGHT IS GREATER THAN 4 METERS
 - 22- SUMP PIT
 - 23- TOP WATER LEVEL
 - 24- RESERVOIR VENTILATION PIPE 150mmIN DIAMETER
 - 25- WATER PROOFING MEMBRANE PROTECTED FROM BOTH SIDES BY NON WOVEN GEOTEXTILE SHEET
 - 26- WATER PROOFING SYSTEM FOR INTERNAL PROTECTION OF CONCRETE SURFACES AS SPECIFIED.
 - 27- LAYER OF GRAVEL PROTECTION THE WATER PROOFING MEMBRANE,TH=150mm
 - 28- INLET CHAMBER
 - 29- OUTLET CHAMBER
 - 30- COMBINED OVERFLOW & DRAIN CHAMBER
 - 31- THRUST BLOCK
 - 32- PIPE AS PER SPECIFICATION
 - 33- PUDDLE FLANGE
 - 34- BUTTERFLY VALVE /GATE VALVE
 - 35- DISMANTLING JOINT
 - 36- AIR RELEASE VALVE (ARV)
 - 37- GATE VALVE
 - 38- COLLAR
 - 39- BELL MOUTH SHAPE
 - 40- 90° BEND
 - 41- TEE
 - 42- OUTLET BASIN
 - 43- EXTENSION SPINDLE
 - 44- METALLIC GRILL SQUARE MESH
 - 45- LAYER OF GRAVEL AROUND THE RESERVOIR (TH=150mm)
 - 46-SELECTED COMPACTED FILL MATERIAL

CLIENT			
 MAHARASHTRA INDUSTRIAL TOWNSHIP LTD (MITL)			
PROJECT			
DESIGN, CONSTRUCTION, TESTING, COMMISSIONING AND OPERATION & MAINTENANCE OF INFRASTRUCTURE WORKS AT DIGHI PORT INDUSTRIAL AREA (DPIA)- PHASE 1 UNDER DELHI MUMBAI INDUSTRIAL CORRIDOR (DMIC) ON EPC BASIS			
TITLE			
GROUND TANK & SECTION- A-A & B-B			
PROJECT CODE: D11628 STATUS: ISSUED FOR TENDER DATE: 18.12.2024			
SHEET NO: 02 OF 02	SCALE: NTS	DWG SIZE: A2	REV NO: R0
DRAWING NO:			
MITL-DPIA-PKG1-SW-09			