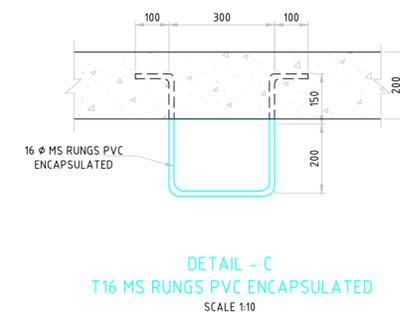
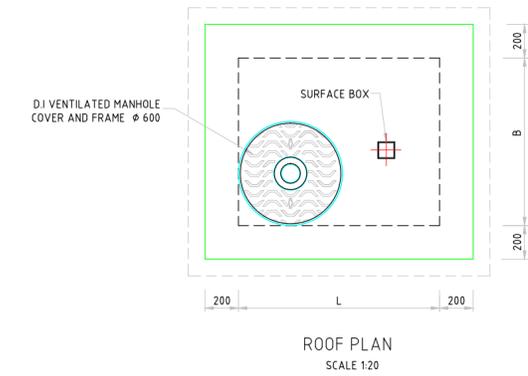
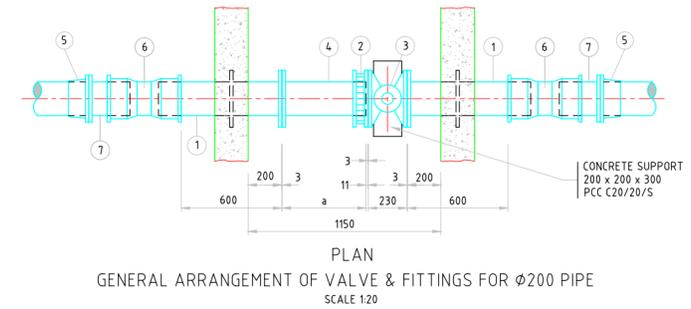
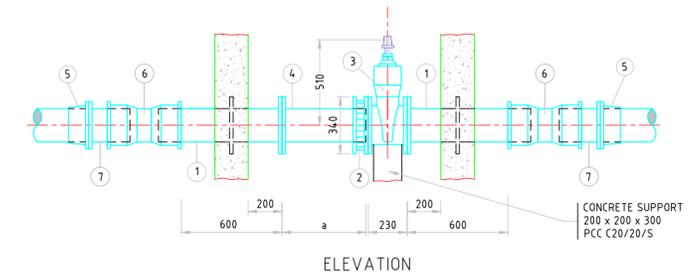
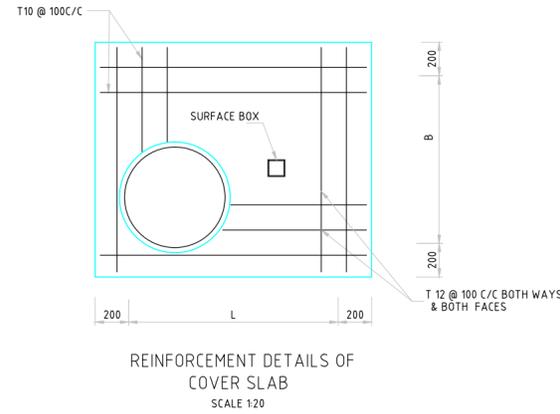
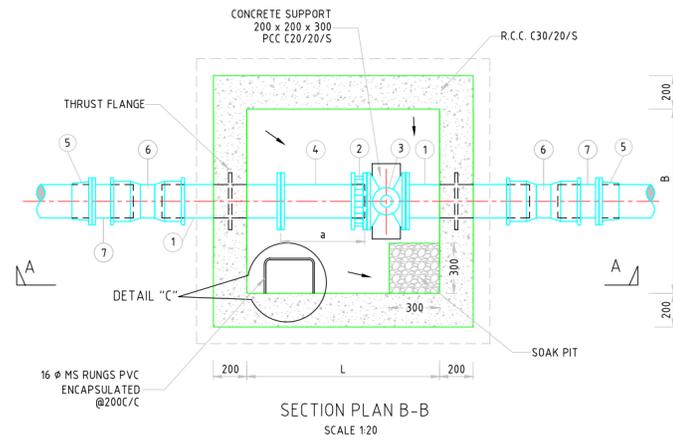


DIMENSIONS OF VALVE CHAMBER

DIA OF PIPE (D)	L	B	a
200	1150	1100	500
250	1600	1200	250

SCHEDULE OF SPECIALS AND FITTINGS

ITEM	SPECIALS AND FITTINGS	QTY
1	DI FLANGED SPIGOT PIPE WITH WELDED THRUST FLANGE	2
2	FLANGE ADAPTOR	1
3	DI GATE VALVE	1
4	DI FLANGED-SPIGOT PIECE	1
5	DI/PE ADAPTOR	2
6	DI COLLAR	2
7	DI SHORT LENGTH FLANGED SPIGOT PIECE	2



**NOTES:**

- All dimensions are in mm
- For location and depths of Gate Valve chamber refer to drawings of pipeline plans and profiles.
- The specials and pipe fittings shall be selected to suit the supply pipe line
- All the valves, specials and pipes inside the chamber shall be of Ductile iron
- Gate Valve shall comply with BS 5150
- DI pipe & Fitting shall comply with BS 4772
- Building materials:-  
Description of building materials is as follows  

C 30 / 20 / S	Sulphate resistant cement
	Maximum size of aggregate

- Concrete:-  
a. mixes shall comply with BS 8110  
b. minimum 28 day characteristic strength in accordance with BS 8110
- Cover to reinforcement to be 50mm,
- The steel used shall be of fy 350 grade.
- The tanking shall be with two layers of Bituminous Paint for external surfaces of Valve chamber
- Gate Valve Chamber to be provided for Pipe dia 200 to 300 mm
- MH Cover Should Comply to BS EN 124 Class D400

**ABBREVIATIONS**

PIL - PIPE INVERT LEVEL.  
MS - MILD STEEL.  
DI - DUCTILE IRON.  
PE - POLY ETHYLENE  
RCC - REINFORCED CEMENT CONCRETE  
PCC - PLAIN CEMENT CONCRETE

No.	DATE	DESCRIPTION	DRG. No.	DESCRIPTION
		REVISION	REFERENCE DRAWINGS	

**CLIENT**  
**MINISTRY OF ENVIRONMENT AND ENERGY**  
 MALE REPUBLIC OF MALDIVES

**PROJECT**  
 CONSULTANCY SERVICES FOR SURVEY, DESIGN OF WATER SUPPLY FACILITIES IN THE ISLAND R. MADUVVAREE, MALDIVES

**TITLE**  
 TYPICAL DRAWING OF SLUICE VALVE CHAMBER

**DESIGNED BY**  
**SHAH TECHNICAL CONSULTANTS PVT. LTD., INDIA**  
 In Association With  
**DEVELOPMENT TECHNOLOGIES MALDIVES, MALDIVES**

<b>APPROVED</b> SSS	<b>CHECKED</b> SSS	<b>DESIGNED</b> SPP	<b>DRAWN</b> PDP
<b>SCALE</b> AS SHOWN	<b>DATE</b> NOV 2017	<b>DRAWING No.</b> R. MADUVVAREE/WS/09	<b>REVISION</b> 0