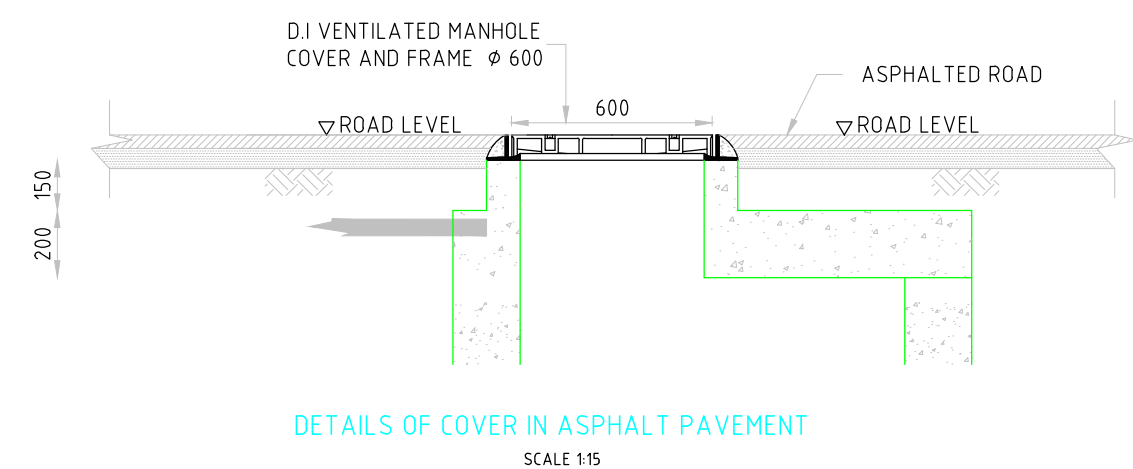
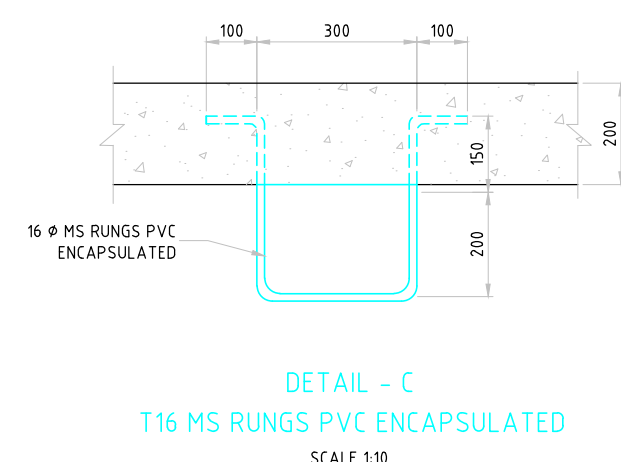
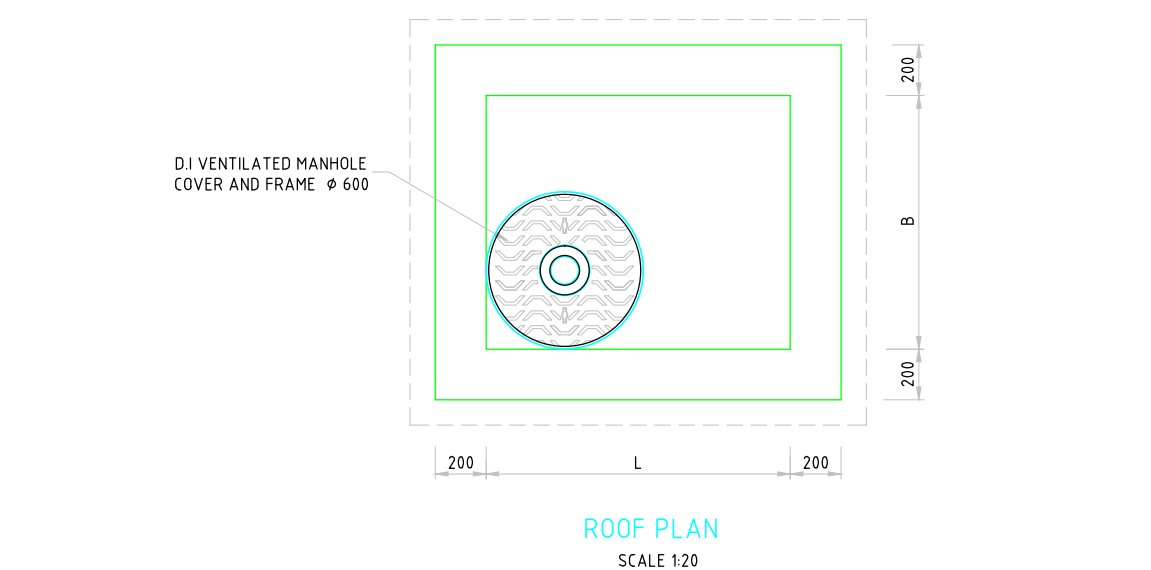
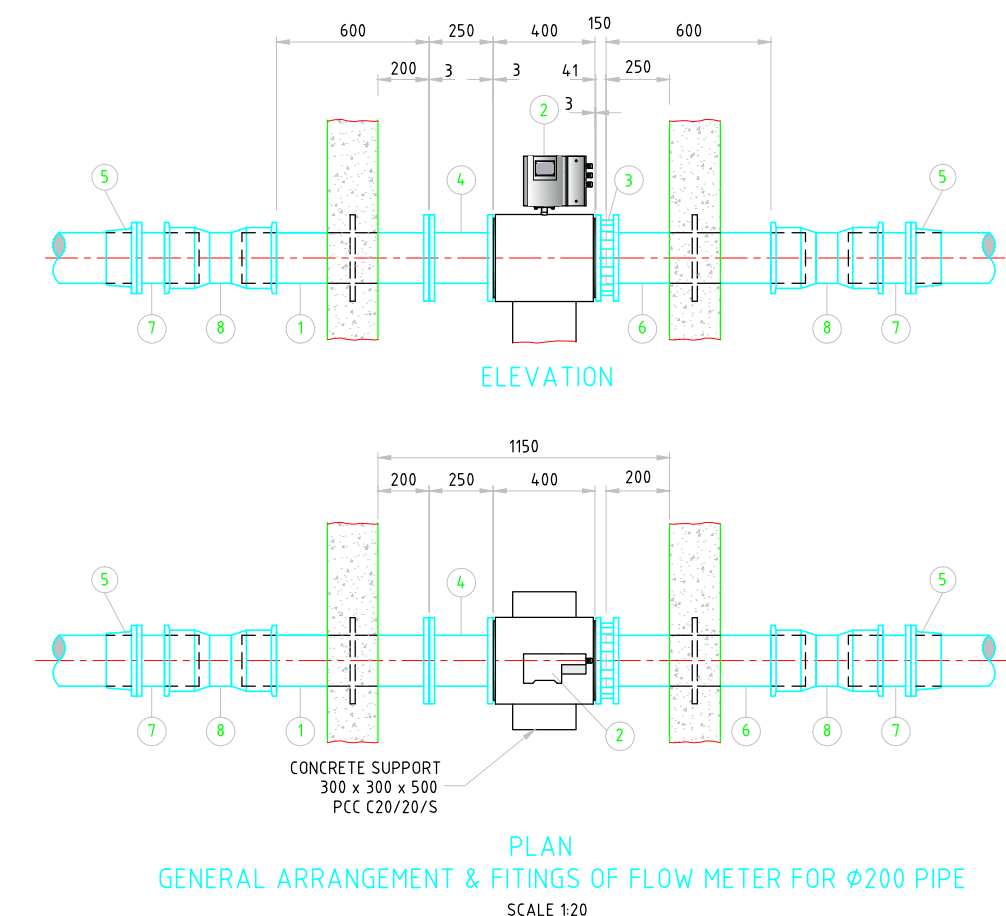
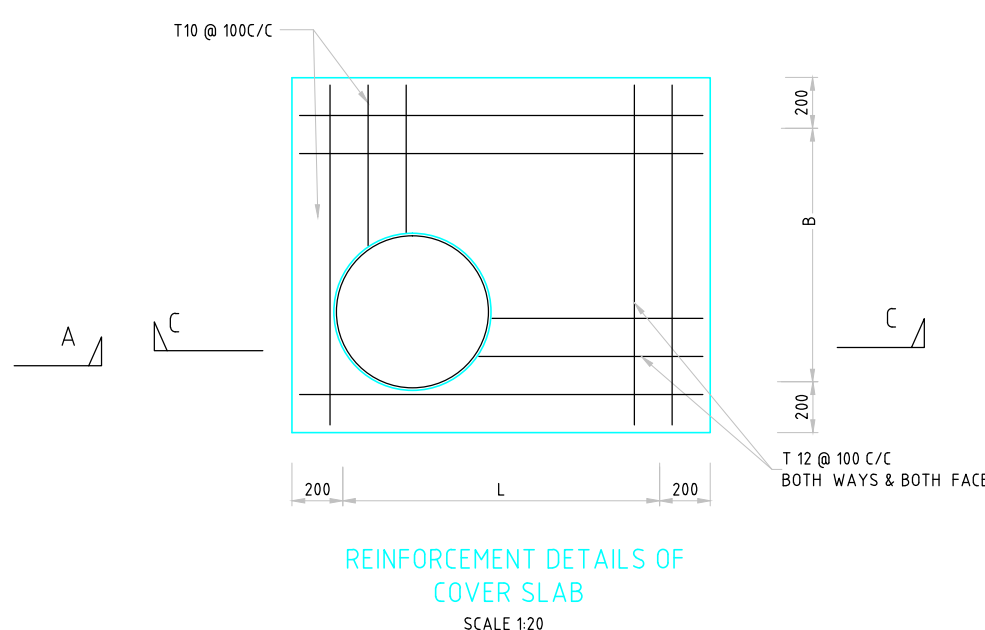
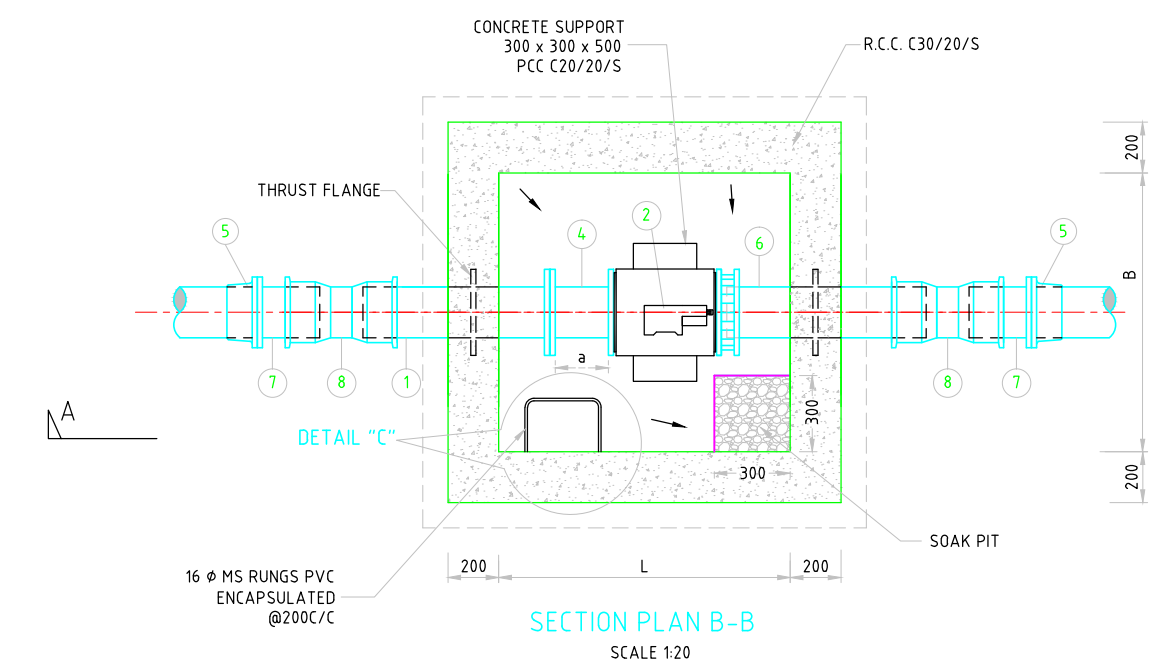


SCHEDULE OF SPECIALS AND FITTINGS

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

DIMENSIONS OF VALVE CHAMBER

Dia of Pipe (d)	L	B	a
80-200	1200	1200	250
250	1450	1250	425
300	1750	1300	650
350	2000	1350	875
400	2300	1400	1100
450	2500	1450	1325
500	2850	1500	1575



## 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 should be of Ductile iron.
- Flow meter shall comply with BS 5150.
- DI pipe & Fitting shall comply with BS 4772.
- Building materials:-  
Description of building materials is as follows  
Compressive strength of concrete  $\uparrow$  C 30 / 20 / S  $\uparrow$  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	

<p>CLIENT <b>MINISTRY OF ENVIRONMENT AND ENERGY</b> MALE REPUBLIC OF MALDIVES</p>				
<p>PROJECT CONSULTANCY SERVICES FOR SURVEY, DESIGN OF WATER SUPPLY FACILITIES IN THE ISLAND B. DHARAVANDHOO, MALDIVES</p>				
<p>TITLE TYPICAL DRAWING OF BULK FLOW METER CHAMBER</p>				
<p>SHAH TECHNICAL CONSULTANTS PVT. LTD., INDIA In Association With DEVELOPMENT TECHNOLOGIES MALDIVES, MALDIVES</p>				
APPROVED SSS	CHECKED SSS	DESIGNED RKC	DRAWN SSN	REVISION 0
SCALE AS SHOWN	DATE NOV 2017	DRAWING No. B. Dharavandhoo/WS/07		