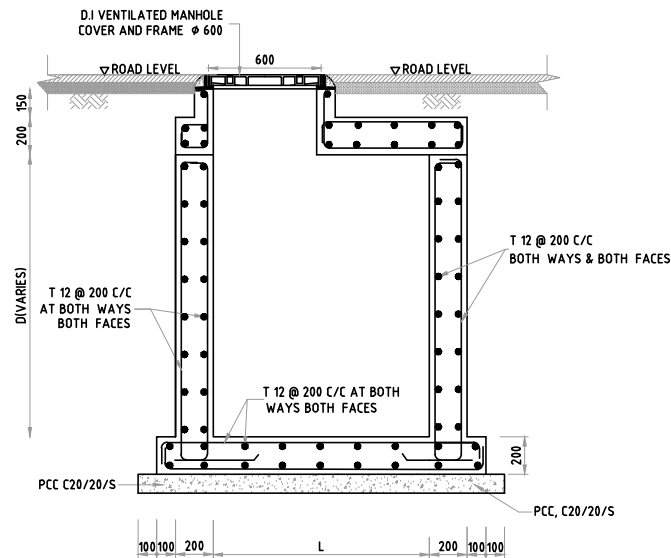


SECTION A-A
SCALE 1:20



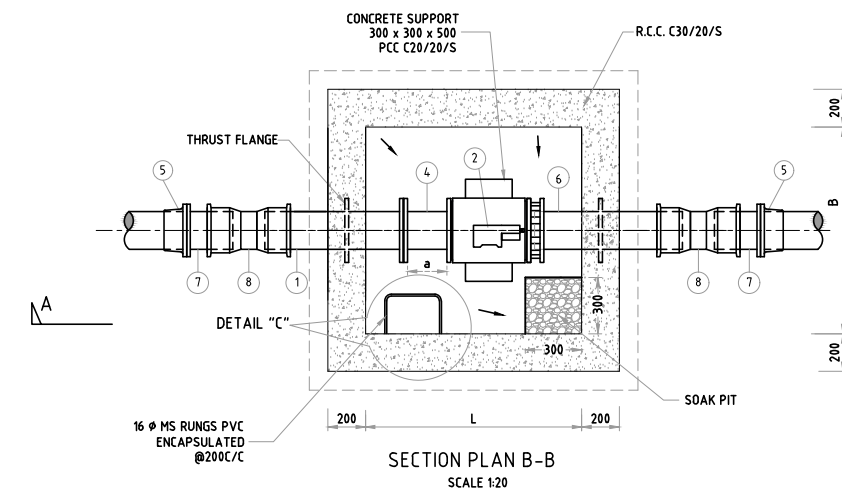
REINFORCEMENT DETAILS AT SECTION C-C
SCALE 1:20

SCHEDULE OF SPECIALS AND FITTINGS

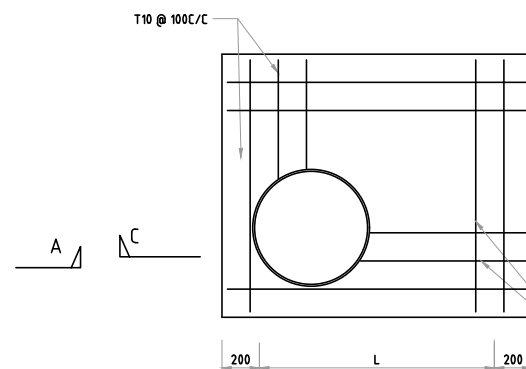
ITEM	SPECIALS AND FITTINGS	QTY
1	DI - SPIGOT PIPE WITH WELDED THRUST FLANGE	1
2	FLOW METER	1
3	FLANGED ADAPTOR	1
4	DI FLANGED-SPIGOT PIECE	1
5	DI/PE ADAPTOR	2
6	DI FLANGED SPIGOT PIPE WITH WELDED PUDDLE FLANGE	1
7	DI SHORT LENGTH FLANGED SPIGOT PIECE	2
8	DI COLLAR	2

DIMENSIONS OF VALVE CHAMBER

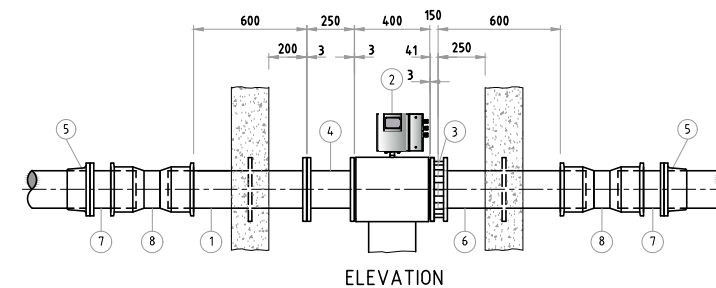
Dia of Pipe (d)	L	B	a
80-200	1200	1200	250
250	1450	1250	425
300	1750	1300	650
350	2000	1350	875
400	2300	1400	1100
450	2500	1450	1325
500	2850	1500	1575



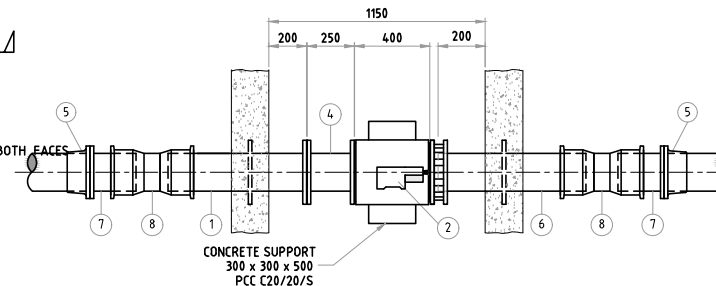
SECTION PLAN B-B
SCALE 1:20



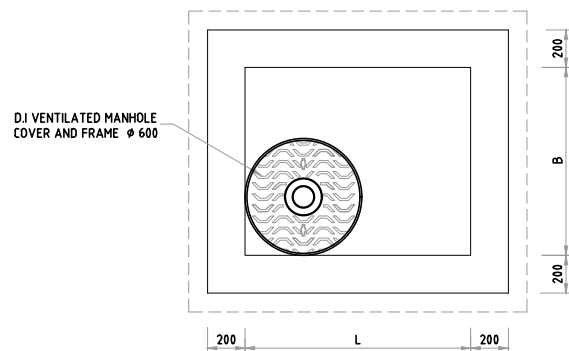
REINFORCEMENT DETAILS OF COVER SLAB
SCALE 1:20



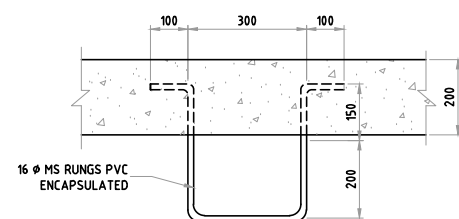
ELEVATION



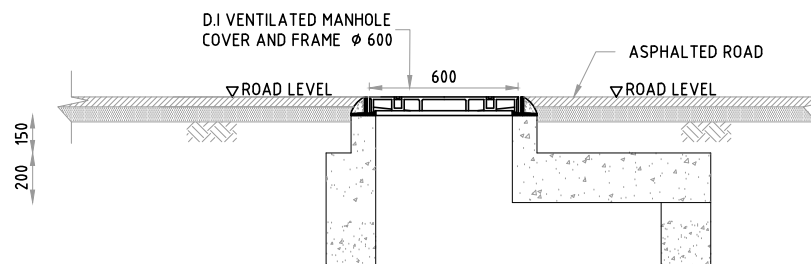
PLAN
GENERAL ARRANGEMENT & FITTINGS OF FLOW METER FOR Ø200 PIPE
SCALE 1:20



ROOF PLAN
SCALE 1:20



DETAIL - C
T16 MS RUNGS PVC ENCAPSULATED
SCALE 1:10



DETAILS OF COVER IN ASPHALT PAVEMENT
SCALE 1:15

TENDER PURPOSE

- 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
C 30 / 20 / S
Compressive strength of concrete 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

				CLIENT MINISTRY OF ENVIRONMENT AND ENERGY MALE REPUBLIC OF MALDIVES			
				PROJECT PROVISION OF RAINWATER HARVESTING SYSTEM IN 8 ISLANDS			
				ASSIGNMENT CONSULTANCY SERVICES FOR DESIGN AND SUPERVISION OF RAINWATER HARVESTING SYSTEM IN AA. HMANDHOO, AA. BODUFULHADHOO, AA. MATHIVERI, ADH. KUNBURUDHOO, ADH. DHIGURAH, DH. BANDIDHOO, DH. HULHIDHIELI, DH. MEEDHOO, MALDIVES [PACKAGE - 3]			
				DRAWING TITLE STANDARD DRAWING OF BULK FLOW METER CHAMBER			
				APPROVED SSS CHECKED SSS DESIGNED SPP DRAWN PDP			
				SCALE AS SHOWN DATE FEB 2018 DRAWING NUMBER WS/STD/01 REVISION 0			