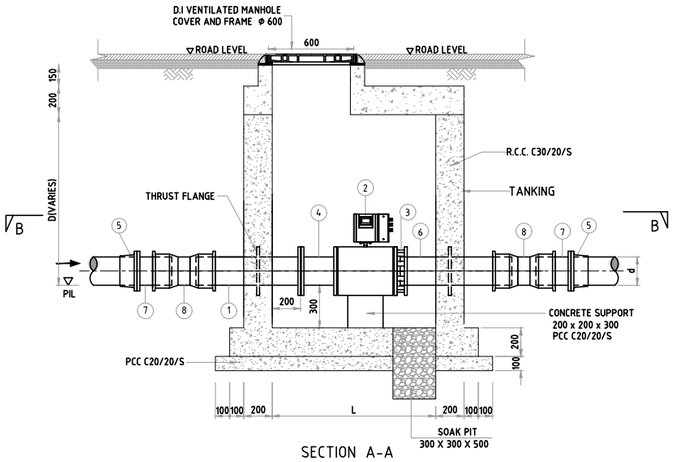
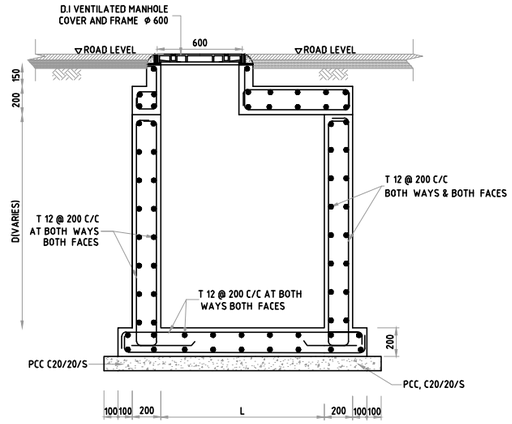


SECTION A-A
SCALE 1:20



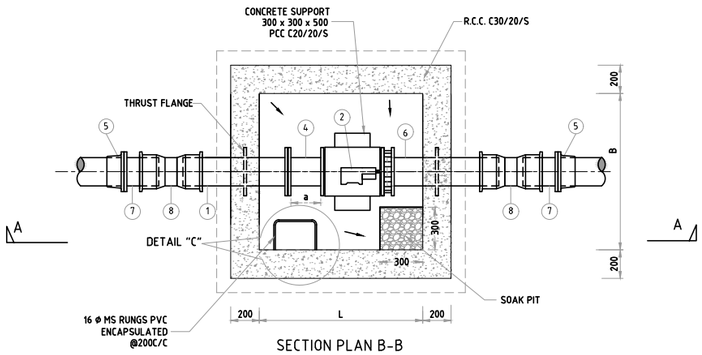
REINFORCEMENT DETAILS AT SECTION C-C
SCALE 1:20

SCHEDULE OF SPECIALS AND FITTINGS

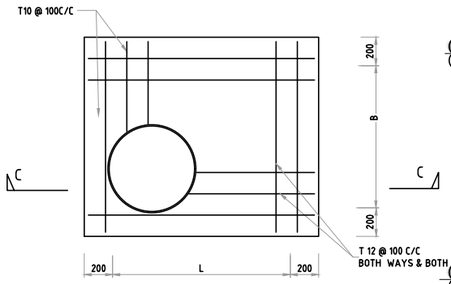
ITEM	SPECIALS AND FITTINGS	QTY
1	DI - SPIGOT PIPE WITH WELDED THRUST FLANGE	1
2	FLOW METER	1
3	FLANGED ADAPTOR	1
4	DI FLANGED-SPIGOT PIECE	1
5	DI/PE ADAPTOR	2
6	DI FLANGED SPIGOT PIPE WITH WELDED PUDDLE FLANGE	1
7	DI SHORT LENGTH FLANGED SPIGOT PIECE	2
8	DI COLLAR	2

DIMENSIONS OF VALVE CHAMBER

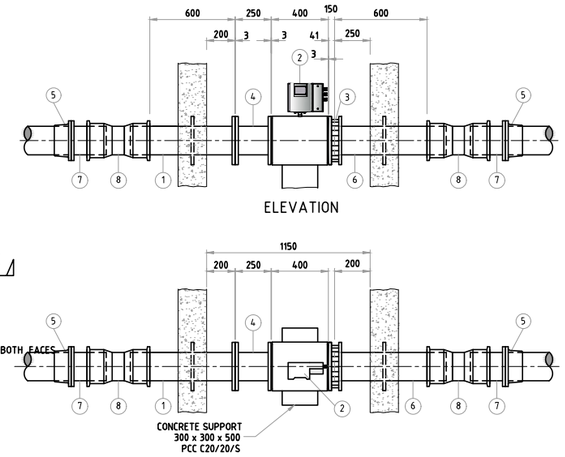
Dia of Pipe (d)	L	B	a
80-200	1200	1200	250
250	1450	1250	425
300	1750	1300	650
350	2000	1350	875
400	2300	1400	1100
450	2500	1450	1325
500	2850	1500	1575



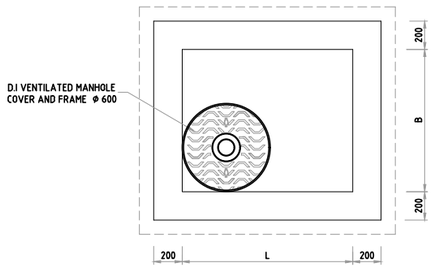
SECTION PLAN B-B
SCALE 1:20



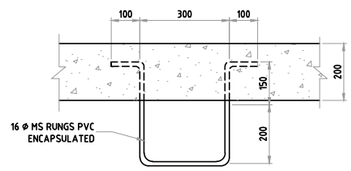
REINFORCEMENT DETAILS OF
COVER SLAB
SCALE 1:20



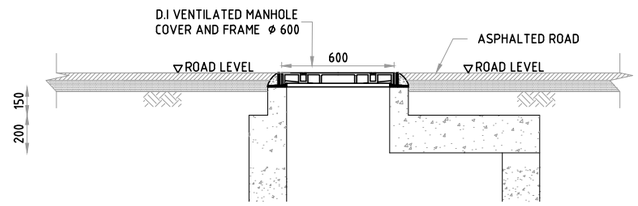
PLAN
GENERAL ARRANGEMENT & FITINGS OF FLOW METER FOR Φ200 PIPE
SCALE 1:20



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

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

   C 30 / 20 / S
   Compressive strength of concrete — maximum size of aggregate — Sulphate resistant cement

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

ABBREVATIONS

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

No.	DESCRIPTION	BY	DATE	APPR.

REVISION

CONSULTANT
SHAH TECHNICAL CONSULTANTS PVT. LTD., INDIA
IN ASSOCIATION WITH
DEVELOPMENT TECHNOLOGIES MALDIVES, MALDIVES

CLIENT
MINISTRY OF ENVIRONMENT AND ENERGY
MALE' REPUBLIC OF MALDIVES

PROJECT
PROVISION OF RAINWATER HARVESTING SYSTEM IN 9 ISLANDS

ASSIGNMENT
CONSULTANCY SERVICES FOR DESIGN AND SUPERVISION OF RAINWATER HARVESTING SYSTEM IN TH. VANDHOO, TH. GAADHIFFUSHI, TH. OMADHOO, TH. KANDOODHOO, TH. KINBIDHOO, TH. DHIIYAMIGILI, M. RAIYMANDHOO, M. VEYVAH, M. NAALAFUSHI, MALDIVES [PACKAGE - 4]

DRAWING TITLE
STANDARD DRAWING OF BULK FLOW METER CHAMBER

APPROVED	CHECKED	DESIGNED	DRAWN
SSS	SSS	SPP	PDP

SCALE	DATE	DRAWING NUMBER	REVISION
AS SHOWN	FEB 2018	WS/STD/01	0

A1-LANDSCAPE