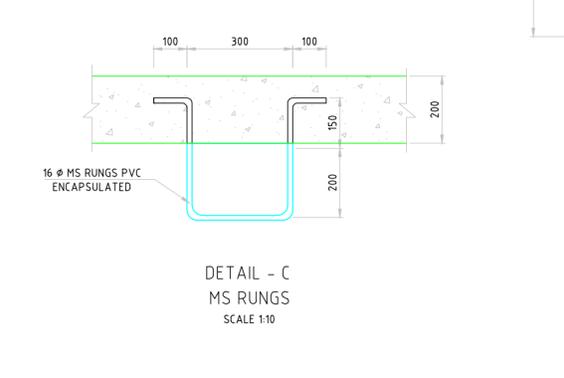
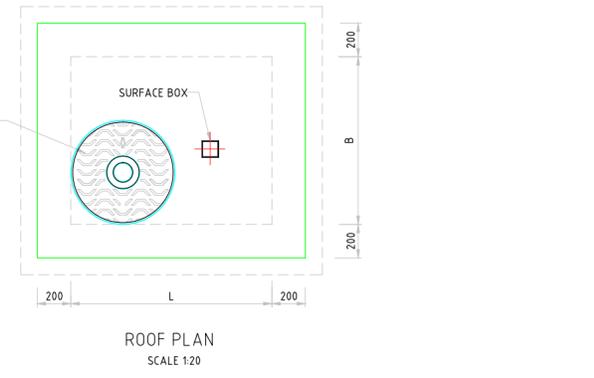
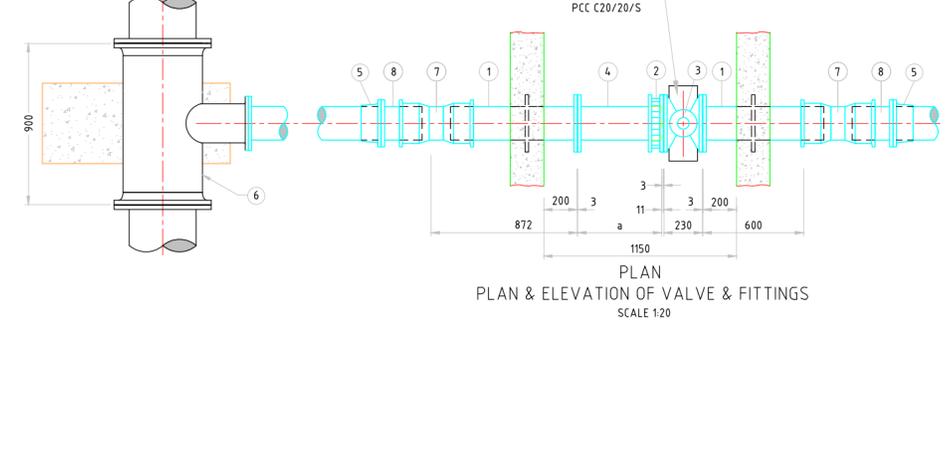
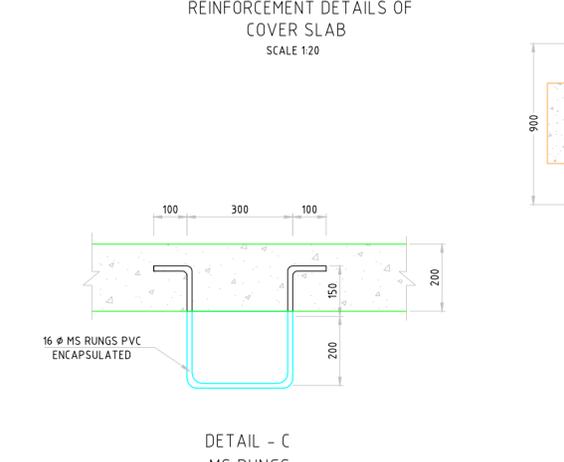
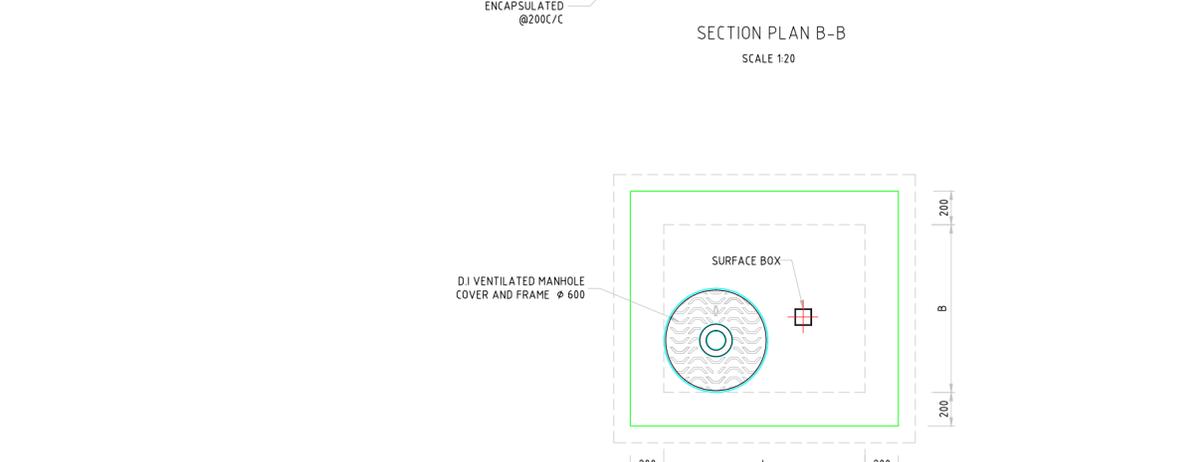
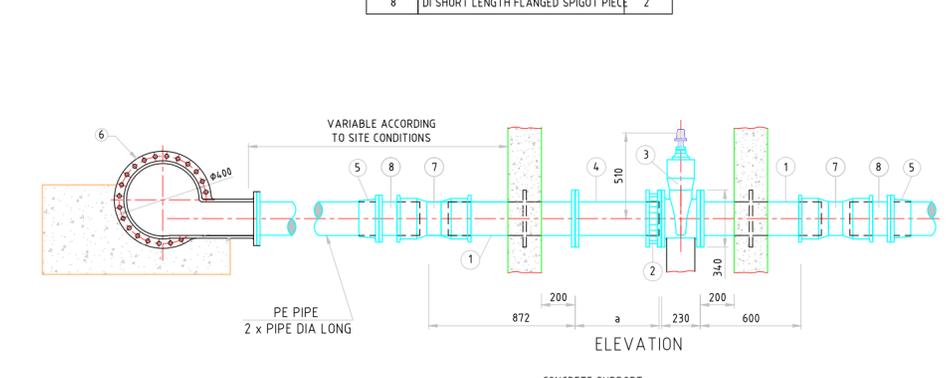
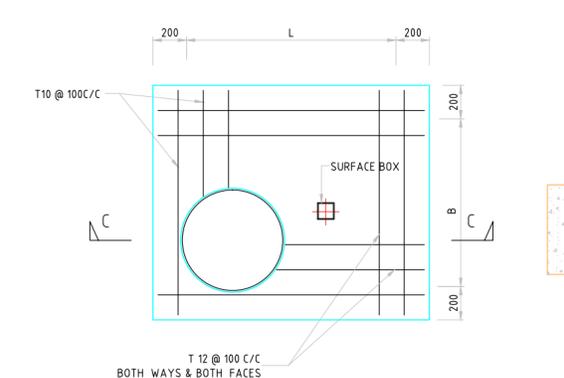
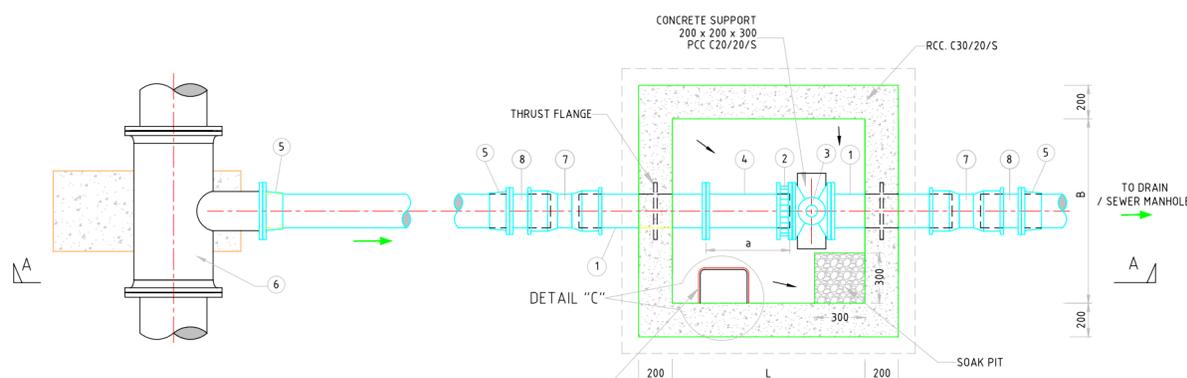


DIMENSIONS OF VALVE CHAMBER

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	ALL FLANGED LEVEL SCOUR TEE	1
7	DI COLLAR	2
8	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 SHOULD 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
COMPRESSIVE STRENGTH OF CONCRETE	MAXIMUM SIZE OF AGGREGATE
- CONCRETE:  
 A. MIXES SHALL COMPLY WITH BS 8110  
 B. MINIMUM 28 DAY CHARACTERISTIC STRENGTH IN ACCORDANCE WITH BS 8110  
 C. COVER TO REINFORCEMENT TO BE 50MM.  
 D. THE STEEL USED SHALL BE OF FY 350 GRADE.  
 E. THE TANKING SHALL BE WITH TWO LAYERS OF BITUMINOUS PAINT FOR EXTERNAL SURFACES OF VALVE CHAMBER  
 F. GATE VALVE CHAMBER TO BE PROVIDED FOR PIPE DIA 200 TO 300 MM  
 G. 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 HDH. NOLHIVARANFARU, MALDIVES

**TITLE**  
 TYPICAL DRAWING OF SCOUR VALVE CHAMBER

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

APPROVED	CHECKED	DESIGNED	DRAWN
SSS	SSS	RKC	SSN

SCALE: AS SHOWN  
 DATE: NOV 2017  
 DRAWING No.: HDh.Nolhivaranfaru/WS/10  
 REVISION: 0