



FITTINGS			
ITEM	DESCRIPTION	QTY	DIAMETER
1	DI ALL FLANGED TEE	1	Var./80
2	DI DOUBLE FLANGED PIPE (VARIABLE)	1	DN80
3	DI 90° SHORT BEND	1	DN80
4	FLANGED SPIGOT PIPE	3	DN80
5	DI GATE VALVE	1	DN80
6	DI DUCK FOOT BEND	1	DN80
7	DI DF PIPE 900 LONG	1	DN80
8	FIRE HYDRANT	1	DN80
9	DI COLLAR	2	DN80
10	DI FLANGED SPIGOT PIPE WITH WELDED THRUST FLANGE	1	DN80
11	DI DF PIPE (AS PER REQUIREMENT)	1	DN80

**NOTES:**

- All dimensions are in mm
- For location of fire hydrant and depths of valve chamber refer to drawings of pipeline plans and profiles.
- Building materials:-  
Description of building materials is as follows  
C 30 / 20 / S  
Compressive strength of concrete | sulphate resistant cement  
maximum size of aggregate
- All the valves, specials and pipes inside the chamber shall be of Ductile iron
- The tanking shall be with two layers of Bituminous Paint for external surfaces of Valve chamber
- The specials and pipe fittings shall be supplied by the vendor to suit the supply pipe line

**ABBREVIATIONS**

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

- Minimum cover to reinforcement shall be 50mm
- Concrete: a. mixes shall comply with BS 8110  
b. minimum 28 day characteristic strength
- Shall be measured on a cube specimen in accordance with BS 8110
- DI Pipe and fitting shall comply with BS 4772
- Gate Valve shall comply with BS 5150

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 SH.FOAKAIDHOO, MALDIVES

**TITLE**  
 TYPICAL DRAWING OF FIRE HYDRANTS

**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> VPT
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**SCALE**  
AS SHOWN

**DATE**  
NOV 2017

**DRAWING No.**  
Sh. Foakaidhoo/WS/11

**REVISION**  
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