



FITTINGS			
ITEM	DESCRIPTION	QTY	DIAMETER
1	DI ALL FLANGED TEE	1	Var./80
2	DI DOUBLE FLANGED PIPE (VARIABLE)	1	DN80
3	DI DF 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

- 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

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
MALÉ REPUBLIC OF MALDIVES

PROJECT
CONSULTANCY SERVICES FOR SURVEY, DESIGN OF WATER SUPPLY FACILITIES
IN THE ISLAND HDH. NOLHIVARANFARU, MALDIVES

TITLE
TYPICAL DRAWING OF FIRE HYDRANTS

STC SHAH TECHNICAL CONSULTANTS PVT. LTD., INDIA
In Association With
d3m DEVELOPMENT TECHNOLOGIES MALDIVES, MALDIVES

APPROVED SSS	CHECKED SSS	DESIGNED RKC	DRAWN VPT
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SCALE AS SHOWN	DATE APRIL 2017	DRAWING No. HDh.Nolhivaranfaru/WS/11	REVISION 0
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