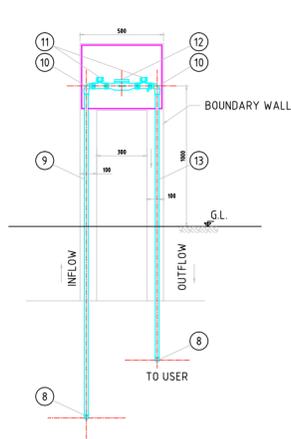
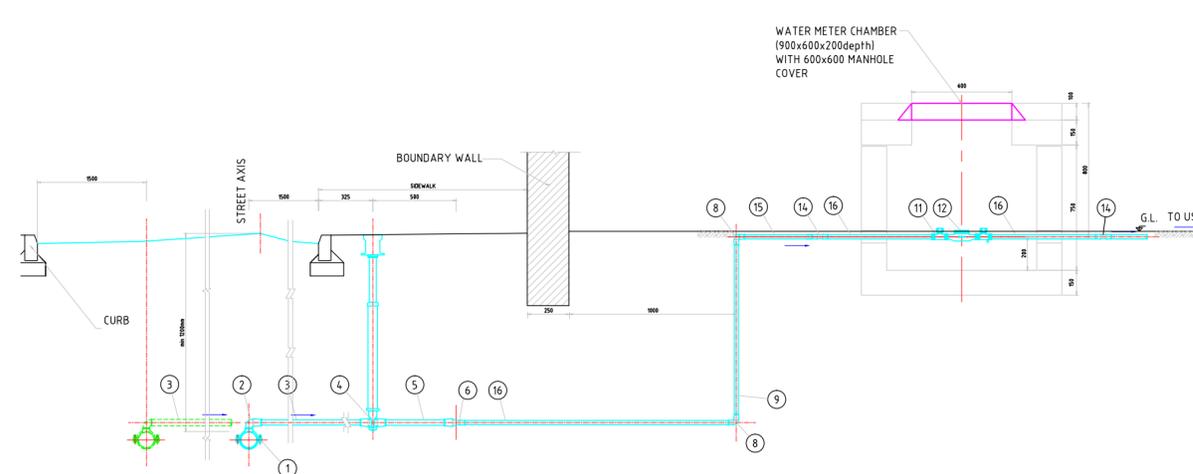


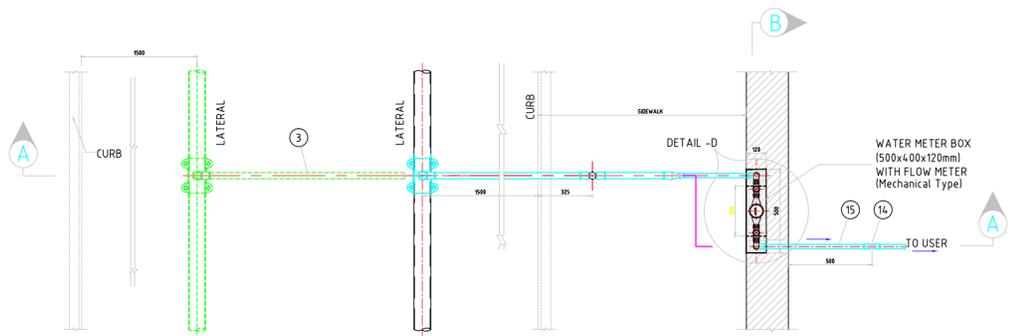
SECTION A - A  
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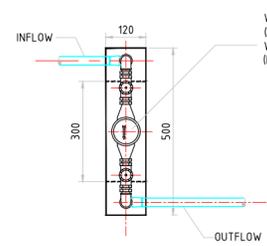
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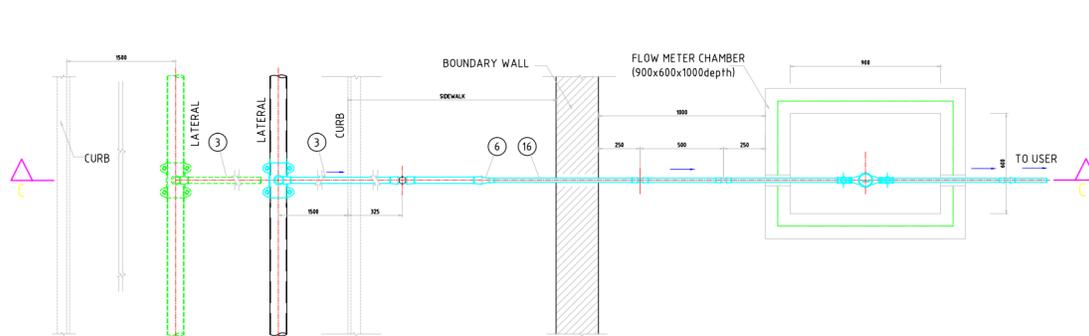
SECTION C - C  
SCALE 120



PLAN  
SCALE 120



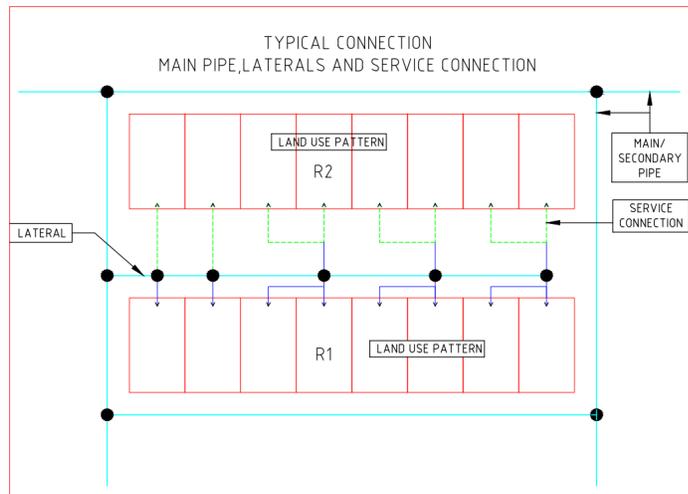
DETAIL -D  
SCALE 1:10



PLAN  
SCALE 120

SINGLE HOUSE CONNECTION WITH WATER METER BOX

SINGLE HOUSE CONNECTION WITH WATER METER CHAMBER



SERVICE CONNECTION TYPE

| I. HOUSE CONNECTION      |   |           |          |           |          |           |          |           |          |           |          |           |          |
|--------------------------|---|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|
| ITEM                     | DESCRIPTION   | LSC-40/25 |          | LSC-50/32 |          | LSC-63/40 |          | LSC-63/32 |          | LSC-75/63 |          | LSC-75/75 |          |
|                          |   | DIA       | QUANTITY |
| 1                        | UNIVERSAL PIPE SADDLE   | 40        | 1        | 50        | 1        | 63        | 1        | 63        | 1        | 75        | 1        | 75        | 1        |
| 2                        | ELBOW 90°   | 40        | 1        | 50        | 1        | 63        | 1        | 63        | 1        | 75        | 1        | 75        | 1        |
| 3                        | PE PIPE   | 32        | --       | 32        | --       | 40        | --       | 40        | --       | 63        | --       | 75        | --       |
| 4                        | SERVICE VALVE FOR PE PIPES, COMPLETE WITH TELESCOPIC EXTENSION SPINDLE AND HEAVY BOX  | 32        | 1        | 32        | 1        | 40        | 1        | 32        | 1        | 63        | 1        | 75        | 1        |
| 5                        | PE PIPE   | 32        | --       | 32        | --       | 40        | 1        | 32        | --       | 63        | --       | 75        | --       |
| 6                        | REDUCER   | 32/25     | 1        | --        | --       | 40/32     | 1        | 40/32     | 1        | --        | --       | --        | --       |
| II. WATER METER          |   |           |          |           |          |           |          |           |          |           |          |           |          |
| 1                        | PE PIPE   | 25        | --       | 32        | --       | 40        | --       | 32        | --       | 63        | --       | 75        | --       |
| 2                        | ELBOW 90°   | 25        | 2        | 32        | 2        | 40        | 2        | 32        | 2        | 63        | 2        | 75        | 2        |
| 3                        | PE PIPE   | 25        | --       | 32        | --       | 40        | --       | 32        | --       | 63        | --       | 75        | --       |
| 4                        | ELBOW 90° WITH MALE THREAD WATER METER CONSOLE WITH 2 FEMALE THREADS GM VALVES, WITH INTEGRAL BACK FLOW PREVENTOR & DRAINAGE PLUG | 25        | 2        | 32        | 2        | 40        | 2        | 32        | 2        | 63        | 2        | 75        | 2        |
| 5                        | WATER METER   | 25        | 1        | 32        | 1        | 40        | 1        | 32        | 1        | 63        | 1        | 75        | 1        |
| 6                        | WATER METER   | 25        | 1        | 32        | 1        | 40        | 1        | 32        | 1        | 63        | 1        | 75        | 1        |
| 7                        | PE PIPE   | 25        | --       | 32        | --       | 40        | --       | 32        | --       | 63        | --       | 75        | --       |
| 8                        | CONNECTOR   | 25        | 2        | 32        | 2        | 40        | 2        | 32        | 2        | 63        | 2        | 75        | 2        |
| 9                        | PE PIPE   | 25        | --       | 32        | --       | 40        | --       | 32        | --       | 63        | --       | 75        | --       |
| III. WATER METER CHAMBER |   |           |          |           |          |           |          |           |          |           |          |           |          |
| 1                        | PE PIPE   | 25        | --       | 32        | --       | 40        | --       | 32        | --       | 63        | --       | 75        | --       |

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS.
  - FOR LOCATION AND DEPTHS OF HOUSE CONNECTIONS REFER TO DISTRIBUTION PROFILE DRAWINGS
  - DIMENSIONS ARE INDICATIVE ONLY & ARE TO BE CONFORTED BY VENDOR PLAN.
  - THE LENGTH OF THE PIPES ARE VARIABLE, DEPENDS ON PROPERTY BOUNDARY
  - PROVISION OF FLOW METER CHAMBER & FLOW METER BOX IS THE RESPONSIBILITY OF USERS
  - SPECIALS & PIPE FITTINGS SHALL BE SELECTED TO SUIT THE PIPE LINES
  - LIMIT OF CONTRACTOR SCOPE IS UP TO WATER METER BOX
  - THE WATER METER IS OF ELECTROMAGNETIC TYPE
  - PE PIPE AND FITTINGS SHALL COMPLY WITH BS 3284 / DIN 8074 - 8075

- ABBREVIATIONS:**
- OD - OUTER DIAMETER
  - MIN - MINIMUM
  - GL - GROUND LEVEL
  - PE - POLY ETHYLENE
- ×, THE LENGTH OF LATERAL AS PER SITE CONDITION.
  - ×, SERVICE CONNECTION TABLE IS WORKED FOR TYPICAL CONDITION, HOWEVER LATERAL DIAMETER SHOULD BE CALCULATED BASED ON WATER DEMAND AT TIME OF EXECUTION.
  - ×, TYPE:LSC-40/25 -LATERAL PIPE - 40 mm AND SERVICE PIPE 25 mm.
  - ×, TYPE:LSC-50/32 -LATERAL PIPE - 50 mm AND SERVICE PIPE 32 mm.
  - ×, TYPE:LSC-63/40 -LATERAL PIPE - 63 mm AND SERVICE PIPE 40 mm.
  - ×, TYPE:LSC-75/63 -LATERAL PIPE - 75 mm AND SERVICE PIPE 63 mm.
  - ×, TYPE:LSC-75/75 -LATERAL PIPE - 75 mm AND SERVICE PIPE 75 mm.
- RECOMMENDED FOR BULK SUPPLY

| No.      | DATE | DESCRIPTION        | DRG. No. | DESCRIPTION |
|----------|------|--------------------|----------|-------------|
| REVISION |      | REFERENCE DRAWINGS |          |             |

**CLIENT**  
MINISTRY OF ENVIRONMENT AND ENERGY  
MALDIVES REPUBLIC OF MALDIVES

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

**TITLE**  
TYPICAL DRAWING OF HOUSE SERVICE CONNECTION SINGLE

**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/12 | REVISION: 0