ARUN DISTRICT COUNCIL LU/184/21/DOC




CONNECTION POINT A



| SCHEDULE OF FITTINGS | | |
|---|---|---|
| REF. | DESCRIPTION | QTY |
| 1 | 90mm FLANGE ASSEMBLY PUPP 180mm FLANGE | 2 |
| 2 | 90mm ELECTROFUSION COUPLER | 2 |
| 3 | 80mm x.s. SLUICE VALVE with CHAMBER & LID SECTION | 2 |
| 4 | 80mm x.s. DI DOUBLE FLANGED 250mm DISTANCE PIECE | 2 |
| 5 | 80mm x 80mm AF HYDRANT | 1 |
| 6 | HYDRANT CHAMBER AND COVER | 1 |

CONNECTION POINT B



| SCHEDULE OF FITTINGS | | |
|---|---|---|
| REF. | DESCRIPTION | QTY |
| 1 | 90mm FLANGE ASSEMBLY PUPP 180mm FLANGE | 3 |
| 2 | 90mm ELECTROFUSION COUPLER | 3 |
| 3 | 80mm x 80mm ALL FLANGED TEE | 1 |
| 4 | 80mm x.s. DI DOUBLE FLANGED 250mm DISTANCE PIECE | 1 |
| 5 | 80mm x.s SLUICE VALVE WITH CHAMBER & LID SECTION | 2 |
| 6 | HYDRANT CHAMBER AND COVER | 2 |

## NOTES

1 - There should be an easement of at least 2m either side of the proposed water mains. The footings of any building within the easement area should be at least 1.5m deep.

2 - Service connection points and duct placements on the drawing are for indicative purposes only to aid in identifying the number of connections and ducts required. These positions are subject to change based on site specific requirements and/or changes in the water mains or site layout. The Developer is responsible for informing ICOSA Water of any design changes.

3 - Do not scale from this drawing. For any discrepancies or omissions the contractor shall notify the Network Engineer prior to works commencing.

4 - All materials to be in accordance with the specifications set out in the Civil Engineering Specification for the Water Industry (7th Edition) and are to be installed with the manufacturers specifications.

5 - All water mains to be installed with 900mm (min) cover to finished surface.

6 - All pipe work and fittings to be 10 bar SDR17 (minimum) items unless otherwise stated. All Ductile Iron fittings to be NP16 (minimum).

7 - Maximum static pressure in the existing water main is 31m head.

8 - The positioning of new water mains is to be in accordance with the national joint utilities group guidelines.

| Proposed Water Mains | | |
|---|---|---|
| Section | Size & Material | Length |
| A - D | 90mm HPPE SDR17 | 227m |
| B - C | 90mm HPPE SDR17 | 226m |

## SCOPE OF WORK:

CLIENTS GROUNDWORK CONTRACTOR TO:

- UNDERTAKE ALL TRENCH EXCAVATION, PREPARATION, BACKFILL AND REINSTATEMENT WORK ASSOCIATED WITH THE INSTALLATION OF THE NEW WATER MAINS TO ICOSA WATER SPECIFICATION (SEE DRAWINGS TR_01, AVAILABLE ON REQUEST, FOR TYPICAL DETAIL) FOR SECTION '-'.
- PROVIDE UNRESTRICTED ACCESS TO WORK AREA FOR THE DURATION OF ON-SITE WORKS. PROVIDE A SUITABLE STORAGE AREA FOR PIPE AND PIPE FITTINGS, AWAY FROM OTHER SITE MATERIALS AND WITH HARDSTANDING, FOR THE DURATION OF WORK.

ICOSA WATER CONTRACTOR TO:

- UNDERTAKE CONNECTION TO NEW BULK CONNECTION AT POINT 'A'
- INSTALL ALL NEW PIPE WORK ON A LAY ONLY BASIS
- INSTALL ALL ONLINE FITTINGS AS DETAILED INCLUSIVE OF CHAMBERS AND COVERS
- SWAB, PRESSURE TEST & CHLORINATE NEW WATER MAIN
- UNDERTAKE BACK TO BACK CONNECTION ONCE CHLORINATION IS COMPLETE AND SAMPLE PASS RESULTS HAVE BEEN RECEIVED

INCUMBENT TO:

- PROVIDE BULK CONNECTION AT POINT 'A'

Project Name

HAMPTON PARK,
TODDINGTON LANE
LITTLEHAMPTON
PHASE 4

Client

PERSIMMON

Designed by

icosa WATER

ICOSA WATER LTD
DEVELOPER SERVICES
FOCAL POINT
27-35 FLEET STREET
SWINDON
SN1 1RQ

Legend

Existing Water Main
Proposed Water Main
Proposed Service Connection
Proposed Water Meter

| Fitting | Existing | Proposed |
|---|---|---|
| Sluice Valve | SV | SV |
| Fire Hydrant | FH | FH |
| Washout Hydrant | WO | WO |
| Inline Fire Hydrant | IFH | IFH |
| Air Valve | AV | AV |

Grid Reference
503551 - 104038

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This information shown on this drawing is based on the best available information but the actual position of all apparatus must be regarded as approximate and MUST be established by trial holes.
No liability is accepted for any error or omission.

Title

PROPOSED
WATER MAINS
DETAILED DESIGN

Scale At 1:1000
Datum DATUM
Project Code 18-025
Drawing No. 001
Rev 04

| Rev | Description | Auth | Chd | Appd | Date |
|---|---|---|---|---|---|
| 04 | REVISED CONSTRUCTION ISSUE | CP | AD | AD | 26.05.21 |
| 03 | CONSTRUCTION ISSUE | CP | AD | AD | 18.05.21 |
| 02 | DETAILED DESIGN | CP | AD | AD | 19.02.21 |
| 01 | OUTLINE DESIGN | CP | AD | AD | 03.02.21 |

CADREF

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