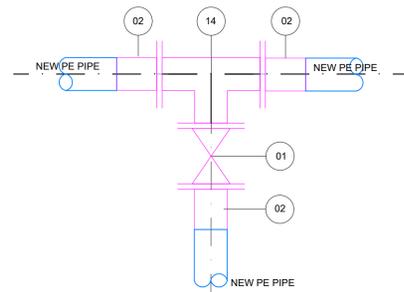


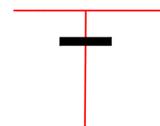
STANDARD TEE CONNECTION & VALVE LAYOUT

1. STANDARD FLANGED TEE CONNECTION
-VALVE ON BRANCH

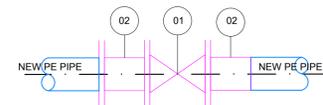


SCHEDULE OF PIPES AND FITTINGS		
MK	DESCRIPTION	NO OF
01	SLUICE VALVE	1
02	PE STUB FLANGE	3
14	ALL FLANGED TEE	1

DRAWING SYMBOLS



4. IN- LINE SLUICE VALVE

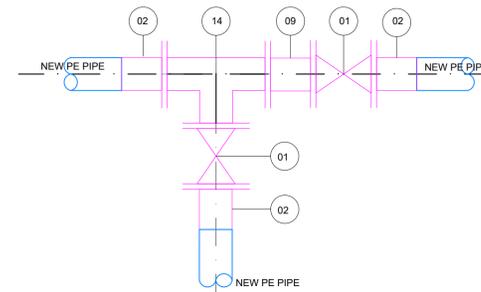


SCHEDULE OF PIPES AND FITTINGS		
MK	DESCRIPTION	NO OF
01	SLUICE VALVE	1
02	PE STUB FLANGE	2

DRAWING SYMBOLS

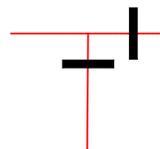


2. STANDARD FLANGED TEE CONNECTION
-TWO-WAY VALVE SETUP

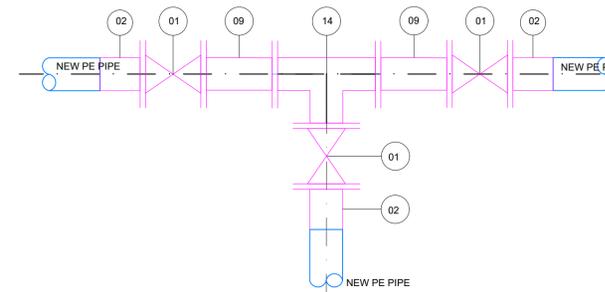


SCHEDULE OF PIPES AND FITTINGS		
MK	DESCRIPTION	NO OF
01	SLUICE VALVE	2
02	PE STUB FLANGE	3
09	EXTENSION PIECE FLANGED	1
14	ALL FLANGED TEE	1

DRAWING SYMBOLS

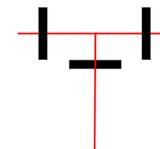


3. STANDARD FLANGED TEE CONNECTION
-THREE-WAY VALVE SETUP

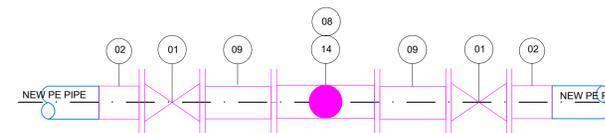


SCHEDULE OF PIPES AND FITTINGS		
MK	DESCRIPTION	NO OF
01	SLUICE VALVE	3
02	PE STUB FLANGE	3
09	EXTENSION PIECE FLANGED	2
14	ALL FLANGED TEE	1

DRAWING SYMBOLS



5. IN- LINE XOx INSTALLATION



SCHEDULE OF PIPES AND FITTINGS		
MK	DESCRIPTION	NO OF
01	SLUICE VALVE	2
02	PE STUB FLANGE	2
08	WASHOUT OR HYDRANT	1
09	EXTENSION PIECE FLANGED	2
14	ALL FLANGED TEE	1

DRAWING SYMBOLS



DO NOT SCALE - IF IN DOUBT ASK

THE POSITION OF THE APPARATUS SHOWN ON THIS PLAN IS GIVEN WITHOUT OBLIGATION AND WARRANTY AND THE ACCURACY CANNOT BE GUARANTEED. SERVICE PIPES ARE NOT SHOWN BUT THEIR PRESENCE SHOULD BE ANTICIPATED. NO LIABILITY OF ANY KIND WHATSOEVER IS ACCEPTED BY THAMES WATER FOR ANY ERROR OR OMISSION. THE ACTUAL POSITION OF MAINS AND SERVICES MUST BE VERIFIED ON SITE BEFORE ANY WORKS ARE UNDERTAKEN.

THE DATA PROVIDED IS RELEVANT ONLY TO THE CURRENT PROJECT / ENQUIRY AND SHOULD NOT BE USED FOR ANY OTHER PURPOSES.

TECHNICAL NOTES:

- 1.0 GENERAL**
- 1.1 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 - 1.2 WASHOUTS SHALL BE INCLUDED TO THE RELEVANT BS / WIS STANDARDS.
 - 1.3 FINAL ARRANGEMENT OF VALVES AND FITTINGS SHALL SUIT THE STREET ARRANGEMENT.
- 2.0 CHAMBER CONSTRUCTION DETAIL:**
- 2.1 HEAVY DUTY DUCTILE IRON SURFACE BOX 430 x 280 CLEAR OPENING WITH THAMES WATER LOGO AND APPROPRIATE BADGE E.G WO OR FH.
 - 2.2 430 x 280 CLEAR OPENING RECYCLED POLYMER CHAMBER SECTIONS.
 - 2.3 THE SURFACE BOX SHALL BE POSITIONED SUCH THAT WHEN A KEY AND STANDPIPE ARE FITTED TO THE HYDRANT, EQUAL CLEARANCES EXIST AROUND THE SIDES OF THE BOX.
 - 2.4 TYPE 1 BACKFILL WELL COMPACTED MINIMUM THICKNESS 300 BELOW CHAMBER.
 - 2.5 10mm SINGLE SIZE PEA SHINGLE BED AND SURROUND TO PIPE MINIMUM 150 ABOVE PIPE - REF DRAWING DS-DRG-WN-02020.
 - 2.6 REINSTATEMENT LAYER.
- 3.0 PIPEWORK:**
- 3.1 ALL FLANGED JOINT BOLT SETS SHALL CONFORM TO WIS-4-52-03.
 - 3.2 THE HYDRANT AND VALVES SHALL BE INSTALLED SO THAT THEY ARE TRULY PLUMB.
 - 3.3 CONCRETE SUPPORT BLOCK SHALL BE CAST TO HYDRANT TEES AND SLUICE TEES.

GUIDANCE NOTES

- THIS DRAWING DETAILS BEST PRACTICE AND SHALL BE ADHERED TO WHEREVER PRACTICABLE. DEROGATION OF THE CONTENT ON THIS DRAWING REQUIRES WRITTEN CONSENT FROM THE DEVELOPER SERVICES TECHNICAL LEAD.
- ALL MATERIALS SHALL BE COMPLIANT TO THE APPROPRIATE BS / WIS STANDARDS.
- EXTERNAL PROTECTION FOR BURIED FLANGE JOINTS, FLANGE ADAPTORS AND COUPLINGS SHALL BE TYPE P1 AS DEFINED IN CLAUSE 5.14 OF CESWI 6th EDITION. THIS PROTECTION SHALL COVER THE FLANGE AND ALL NUTS, BOLTS AND THREADS.
- THE PIPE MATERIAL FOR USE IN CONTAMINATED GROUND SHALL BE A THAMES WATER APPROVED BARRIER PIPE SYSTEM WHICH INCLUDES COMPATIBLE PIPE FITTINGS, JOINT PROTECTION AND METER BOXES.

Iss	Description	P.B. Dsgnr	A.B. Chkd	A.B. Appd	Date
A	FIRST ISSUE				29/08/2023

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ISSUE DATE:	REVIEW DATE:	SECURITY REF:	DRAWN BY:
01 SEPT 2023	20 JAN 2026	PUBLIC	P.BHOGAL

PROJECT GROUP: DEVELOPER SERVICES

DATA OWNER: ASSET DEVELOPMENT

WATER NETWORK: STANDARD DRAWINGS

DS TECHNICAL LEAD: ANDY BELLIS

DRAWING TITLE: STANDARD TEE CONNECTION & VALVE LAYOUT

DRAWING No.:	SCALE:	SHEET SIZE:	REV:
DS-DRG-WN-02270/01	NTS	A1	A