

FOR PLANNING

General Notes

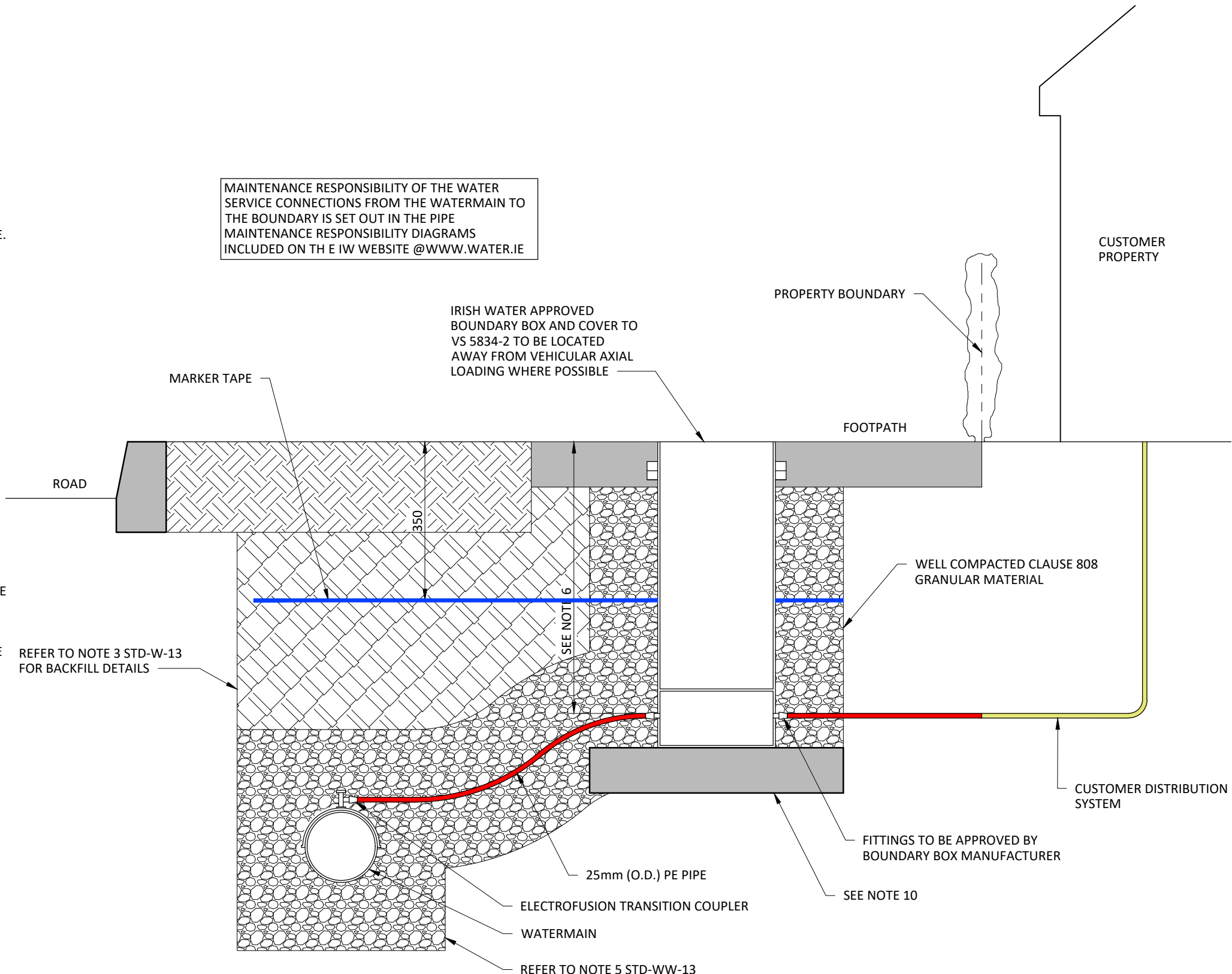
1. Do not scale from this drawing. Refer to Architects drawings for all works levels and setting out.
2. This drawing is to be read in conjunction with all other Engineer's and Architect's drawings and specifications. Where discrepancies are observed please notify CHC for clarification.
3. Contractor to check all levels (existing and proposed), setting out and dimensions on site prior to commencement of the works and advise the consultants of any discrepancies.
4. All works to be constructed in accordance with current building control legislation, local authority requirements and good building practice.
5. All Insulation, weathering materials (dpc, dpm, flashings etc), radon barriers and sumps and all sub-floor ducting all to Architect's details.
6. Location of all service pop-ups to be confirmed and set out by the Architect.
7. Refer to Architect's drawings and specifications for fire strategy and all fire protection requirements
8. All materials and products specified must carry CE marking and Declarations of Performance as appropriate.
9. Contractor shall note the recommendations of the site investigation report in respect of all excavation depths, ground water levels and identification of required adequate bearing strata. All foundation formation soft spots or disturbed ground not covered in SI report to be recorded and notified to the Engineer.

GENERAL NOTES

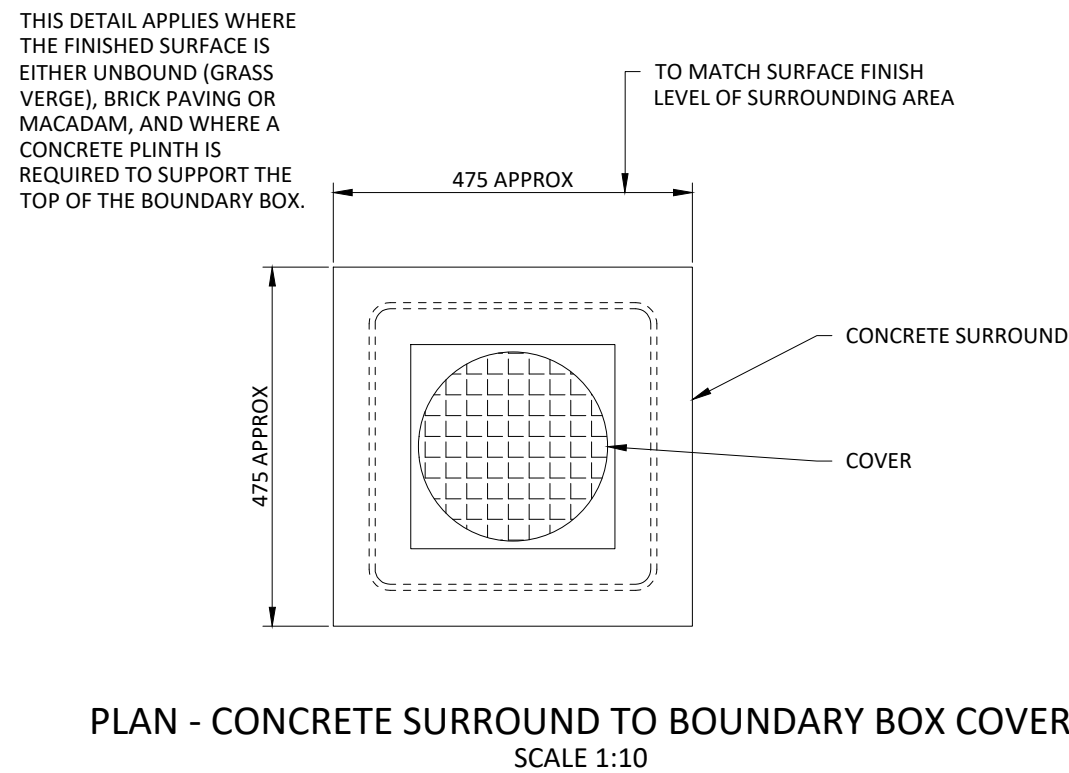
1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS NOTED OTHERWISE.
2. FOR CONNECTION TO AN EXISTING MAIN THE CONNECTION SHALL BE AS PER THE PIPE MANUFACTURER'S SPECIFICATION.
3. ELECTRO FUSION COUPLING TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.

BOUNDARY BOX NOTES:

1. THE BOUNDARY BOX IS TO BE IN ACCORDANCE WITH THE IRISH WATER SPECIFICATION, INCORPORATING A G1.5 MANIFOLD, STOP-TAP, FROST PLUG & NON-RETURN VALVE.
2. THE BOUNDARY BOX SHALL BE POSITIONED IN PUBLIC SPACE & AS CLOSE AS POSSIBLE TO THE PROPERTY BOUNDARY BUT NO PART OR FITTING TO BE WITHIN 225mm OF THE PROPERTY LINE.
3. THE BOUNDARY BOX SHALL BE LOCATED WHERE IT IS SAFE TO OPEN THE COVER & ACCESS THE STOP TAP OR VISUALLY READ THE METER, i.e. ON A FOOTPATH OR VERGE, & NOT IN A CARRIAGEWAY.
4. THE SURFACE BOX COVER ON THE BOUNDARY BOX SHOULD BE NOT LESS THAN GRADE C (BS 5834-2:2011), & THE BOUNDARY BOX SHOULD BE LOCATED SUCH THAT HEAVIER GRADES OF COVER WOULD NOT BE REQUIRED.
5. THE SHAFT OF THE BOUNDARY BOX IS TO BE INSTALLED VERTICALLY, & THE SURFACE BOX/COVER INCLINED TO MATCH THE SURFACE GRADIENT.
6. THE BOUNDARY BOX IS TO BE INSTALLED AT A MINIMUM DEPTH OF 600mm (+/- 25mm) TO THE CROWN OF THE INLET & OUTLET FITTINGS ON THE OUTSIDE OF THE BOX.
7. THE SERVICE CONNECTION PIPE SHALL NOT BE WRAPPED AROUND THE SHAFT OF THE BOUNDARY BOX OR BENT IN ANY RADIUS LESS THAN THAT APPROVED BY THE MANUFACTURER.
8. THE PIPE FITTINGS TO THE BOUNDARY BOX SHALL BE APPROVED BY THE BOUNDARY BOX MANUFACTURER.
9. THE BOUNDARY BOX SHALL BE INSTALLED HYGIENICALLY & LEFT CLEAN & FREE OF CONSTRUCTION WASTE OR DIRT FOR LATER METER INSTALLATION BY IRISH WATER.
10. BOX TO BE FOUNDED ON 100mm DEPTH OF C12/15 CONCRETE AND SURROUNDED WITH CLAUSE 808 GRANULAR MATERIAL.
11. THE DESIRABLE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF A SERVICE CONNECTION SHALL BE 750mm WITH AN ABSOLUTE MINIMUM DEPTH OF 600mm FOR SHORT DISTANCES (SUBJECT TO IRISH WATER AGREEMENT). THE DESIRABLE MAXIMUM COVER FOR A SERVICE CONNECTION PIPE SHOULD 1200mm, WHERE PRACTICABLE.
12. CUSTOMER'S DISTRIBUTION PIPEWORK WITHIN THE PREMISES SHOULD BE SUITABLY SIZED TO ACCOMMODATE FLOW FROM 20mm INTERNAL DIAMETER SERVICE PIPE.
13. WHERE A GRASS VERGE IS NOT AVAILABLE AND A FOOTPATH IS LESS THAN 1500mm WIDE, THE WATERMAIN IS PERMITTED IN THE ROADWAY.
14. THE POSITION OF THE METER DOES NOT REPRESENT THE CHANGE OF OWNERSHIP IN THE SERVICE PIPE. THAT POINT IS NORMALLY AT THE PROPERTY BOUNDARY.
15. THE BOUNDARY BOX ACCOMMODATES DN15, DN20 AND DN25 CONCENTRIC METERS A G1 1/2" MANIFOLD IS TO BE USED FOR DN15 AND DN20 METERS. A G2" IS TO BE USED FOR DN25 METERS.



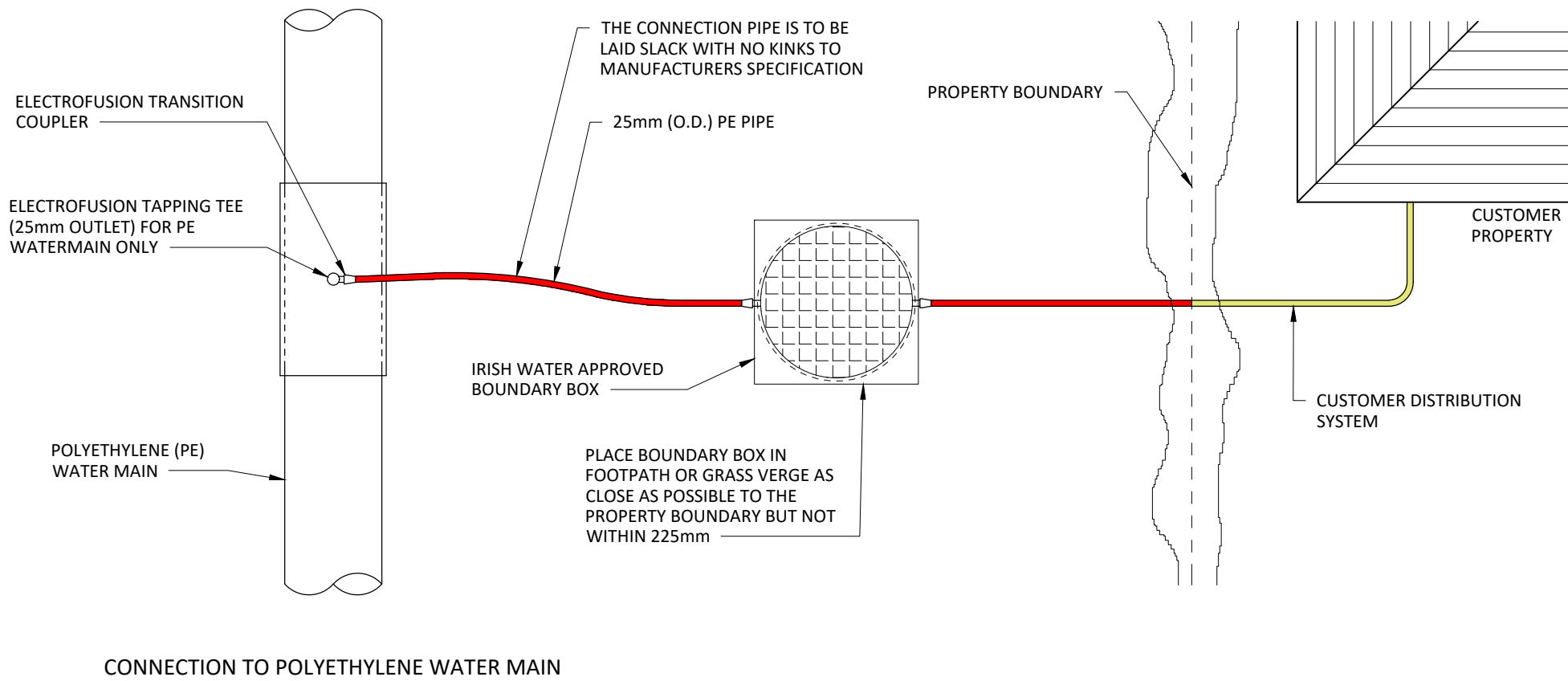
SECTION THROUGH CUSTOMER CONNECTION AND BOUNDARY BOX
SCALE 1:10



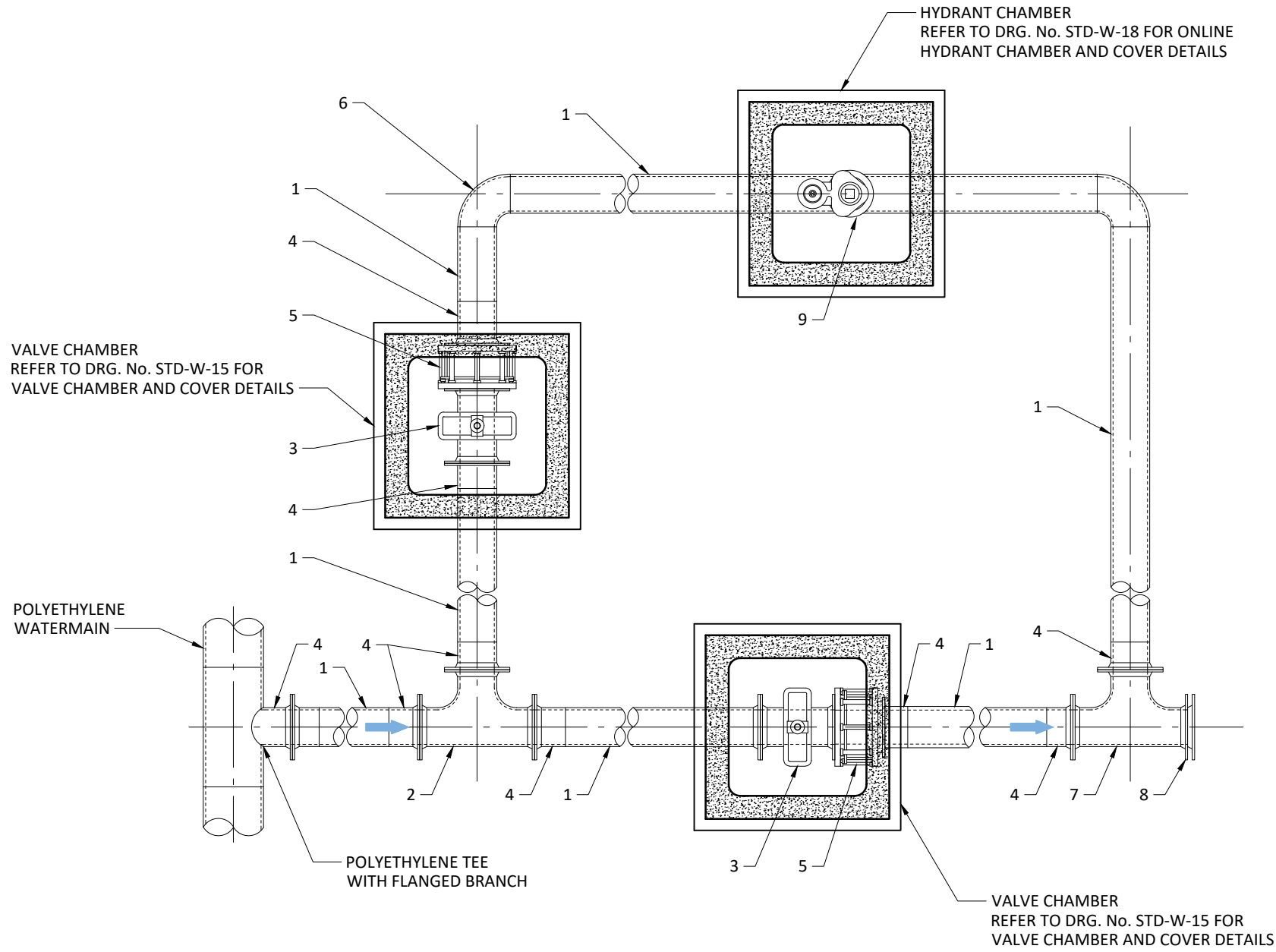
PLAN - CONCRETE SURROUND TO BOUNDARY BOX COVER
SCALE 1:10

SERVICE CONNECTION PIPES SUITABLE FOR WORKS AND APPROVED BY IRISH WATER SHALL BE OF HPPE MATERIAL WITH TYPE PE100 AND AN SDR 17 RATING OR MDPE MATERIAL WITH PE80 AND AN SDR11 RATING. THE HPPE AND MDPE SERVICE PIPES SHALL COMPLY WITH IS EN 12201 PART 2 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE AND SEWERAGE UNDER PRESSURE – PART 2, PIPES) AND IS EN 12201 PART 3 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE AND SEWERAGE UNDER PRESSURE – PART 3: FITTINGS) AND WITH UK WIS 4-32-08 (SPECIFICATION FOR THE FUSION JOINTING OF POLYETHYLENE PRESSURE PIPELINE SYSTEMS USING PE80 AND PE100 MATERIALS).

CUSTOMER CONNECTION AND BOUNDARY BOX TO IRISH WATER
DOCUMENT No. IW-CDS-5020-01. DRAWING No. STD-W-03 REV 4



PLAN OF CUSTOMER CONNECTION AND BOUNDARY BOX
SCALE 1:10



WATERMAIN LOOP DETAIL POLYETHYLENE OPTION TO IRISH WATER
DOCUMENT No. IW-CDS-5020-01. DRAWING No. STD-W-39 REV 0
SCALE 1:25

MARK No.	DESCRIPTION
1	PE PIPEWORK
2	ALL FLANGED TEE
3	SLUICE VALVE
4	PE STUB FLANGE WITH BACKING RING
5	DISMANTLING JOINT
6	90° DEGREE PE BEND
7	ALL FLANGED D.I. "SWEEP TEE"
8	D.I. BLANK FLANGE
9	HYDRANT

P04	S4	15.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P03	S4	07.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P02	S4	10.11.2025	Issued for Pre-Planning.	P.C.	N.N.	P.C.
P01	S4	01.10.2025	Issued for Planning.	P.C.	N.N.	P.C.

Issue	Suitability	Date	Description	Designed	Drawn	Approved
Project	Conley Lands LRD, Leixlip		Drawing Title Watermain details. Sheet 1 of 5			

Client	Leixlip and Newbridge SPV Limited	Originator:	Area:	Level:	Type:	Role:	Number:
		CHC	- 00	- GR	- DR	- C	-00330