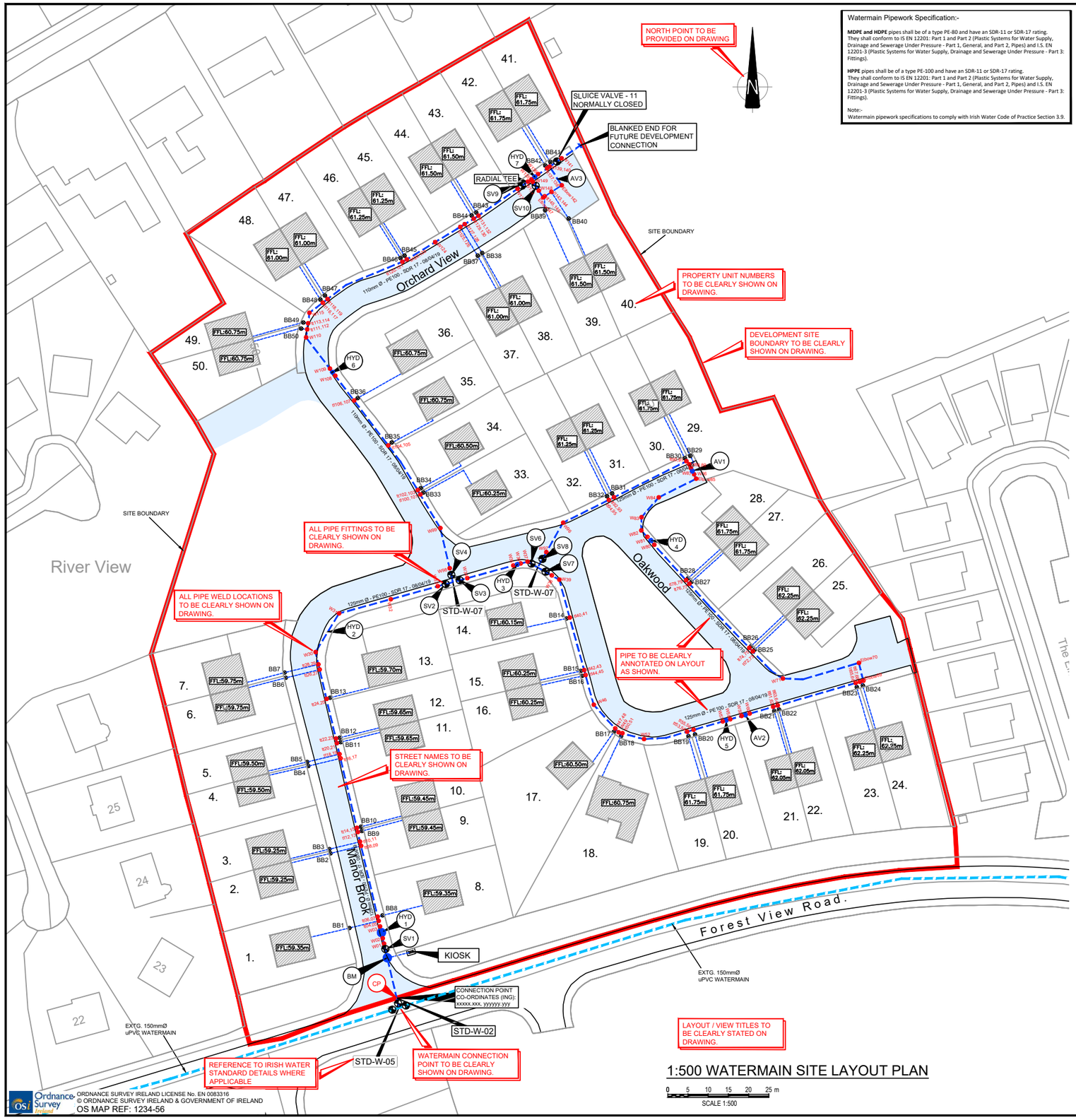

1:500 WATERMAIN SITE LAYOUT PLAN

0 5 10 15 20 25 m

SCALE 1:500

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OS MAP REF: 1234-56

c:\users\rhorgan\onedrive - uisce eireann\00-standard details\2025 - revision\2025 standard details\2025-revision water standard details\2023 - appendix - water sample drawings\01-as-built samples\004-iw-s-wa_ab1(internal rev d5).dwg
09/12/2024

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Watermain Pipework Specification:-

MDPE and HDPE pipes shall be of a type PE-80 and have an SDR-11 or SDR-17 rating. They shall conform to IS EN 12201: Part 1 and Part 2 (Plastic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 1, General, and Part 2, Pipes) and I.S. EN 12201-3 (Plastic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 3: Fittings).

HPPE pipes shall be of a type PE-100 and have an SDR-11 or SDR-17 rating. They shall conform to IS EN 12201: Part 1 and Part 2 (Plastic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 1, General, and Part 2, Pipes) and I.S. EN 12201-3 (Plastic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 3: Fittings).

Note:-
Watermain pipework specifications to comply with Irish Water Code of Practice Section 3.9.

Watermain Pipe Weld Schedule:-

TABULATED PIPE WELD SCHEDULE TO BE PROVIDED ON DRAWING (Excel Format Preferably)

Type	Location Co-Ords (ING)
W01	X = xxxxx.xxx Y = yyyyyy.yyy
W02	X = xxxxx.xxx Y = yyyyyy.yyy
W03	X = xxxxx.xxx Y = yyyyyy.yyy
It04	X = xxxxx.xxx Y = yyyyyy.yyy
It05	X = xxxxx.xxx Y = yyyyyy.yyy
It06	X = xxxxx.xxx Y = yyyyyy.yyy
It07	X = xxxxx.xxx Y = yyyyyy.yyy
It08	X = xxxxx.xxx Y = yyyyyy.yyy
It09	X = xxxxx.xxx Y = yyyyyy.yyy
It10	X = xxxxx.xxx Y = yyyyyy.yyy
It11	X = xxxxx.xxx Y = yyyyyy.yyy
It12	X = xxxxx.xxx Y = yyyyyy.yyy
It13	X = xxxxx.xxx Y = yyyyyy.yyy
It14	X = xxxxx.xxx Y = yyyyyy.yyy
It15	X = xxxxx.xxx Y = yyyyyy.yyy
It16	X = xxxxx.xxx Y = yyyyyy.yyy
It17	X = xxxxx.xxx Y = yyyyyy.yyy
It18	X = xxxxx.xxx Y = yyyyyy.yyy
It19	X = xxxxx.xxx Y = yyyyyy.yyy
It20	X = xxxxx.xxx Y = yyyyyy.yyy
It21	X = xxxxx.xxx Y = yyyyyy.yyy
It22	X = xxxxx.xxx Y = yyyyyy.yyy
It23	X = xxxxx.xxx Y = yyyyyy.yyy
It24	X = xxxxx.xxx Y = yyyyyy.yyy
It25	X = xxxxx.xxx Y = yyyyyy.yyy
It26	X = xxxxx.xxx Y = yyyyyy.yyy
It27	X = xxxxx.xxx Y = yyyyyy.yyy
It28	X = xxxxx.xxx Y = yyyyyy.yyy
It29	X = xxxxx.xxx Y = yyyyyy.yyy
W30	X = xxxxx.xxx Y = yyyyyy.yyy
W31	X = xxxxx.xxx Y = yyyyyy.yyy
W32	X = xxxxx.xxx Y = yyyyyy.yyy
W33	X = xxxxx.xxx Y = yyyyyy.yyy
W34	X = xxxxx.xxx Y = yyyyyy.yyy
W35	X = xxxxx.xxx Y = yyyyyy.yyy
W36	X = xxxxx.xxx Y = yyyyyy.yyy
W37	X = xxxxx.xxx Y = yyyyyy.yyy
W38	X = xxxxx.xxx Y = yyyyyy.yyy
W39	X = xxxxx.xxx Y = yyyyyy.yyy
It40	X = xxxxx.xxx Y = yyyyyy.yyy
It41	X = xxxxx.xxx Y = yyyyyy.yyy
It42	X = xxxxx.xxx Y = yyyyyy.yyy
It43	X = xxxxx.xxx Y = yyyyyy.yyy
It44	X = xxxxx.xxx Y = yyyyyy.yyy
It45	X = xxxxx.xxx Y = yyyyyy.yyy
W46	X = xxxxx.xxx Y = yyyyyy.yyy
It47	X = xxxxx.xxx Y = yyyyyy.yyy
It48	X = xxxxx.xxx Y = yyyyyy.yyy
W49	X = xxxxx.xxx Y = yyyyyy.yyy
It50	X = xxxxx.xxx Y = yyyyyy.yyy
It51	X = xxxxx.xxx Y = yyyyyy.yyy
W52	X = xxxxx.xxx Y = yyyyyy.yyy
It53	X = xxxxx.xxx Y = yyyyyy.yyy
It54	X = xxxxx.xxx Y = yyyyyy.yyy
It55	X = xxxxx.xxx Y = yyyyyy.yyy
It56	X = xxxxx.xxx Y = yyyyyy.yyy
W57	X = xxxxx.xxx Y = yyyyyy.yyy
W58	X = xxxxx.xxx Y = yyyyyy.yyy
W59	X = xxxxx.xxx Y = yyyyyy.yyy
W60	X = xxxxx.xxx Y = yyyyyy.yyy
It61	X = xxxxx.xxx Y = yyyyyy.yyy
It62	X = xxxxx.xxx Y = yyyyyy.yyy
It63	X = xxxxx.xxx Y = yyyyyy.yyy
It64	X = xxxxx.xxx Y = yyyyyy.yyy
It65	X = xxxxx.xxx Y = yyyyyy.yyy
It66	X = xxxxx.xxx Y = yyyyyy.yyy
It67	X = xxxxx.xxx Y = yyyyyy.yyy
It68	X = xxxxx.xxx Y = yyyyyy.yyy
Elbow69	X = xxxxx.xxx Y = yyyyyy.yyy
Elbow70	X = xxxxx.xxx Y = yyyyyy.yyy
It71	X = xxxxx.xxx Y = yyyyyy.yyy
It72	X = xxxxx.xxx Y = yyyyyy.yyy
It73	X = xxxxx.xxx Y = yyyyyy.yyy
It74	X = xxxxx.xxx Y = yyyyyy.yyy
It75	X = xxxxx.xxx Y = yyyyyy.yyy
It76	X = xxxxx.xxx Y = yyyyyy.yyy
It77	X = xxxxx.xxx Y = yyyyyy.yyy
It78	X = xxxxx.xxx Y = yyyyyy.yyy
It79	X = xxxxx.xxx Y = yyyyyy.yyy
W80	X = xxxxx.xxx Y = yyyyyy.yyy
W81	X = xxxxx.xxx Y = yyyyyy.yyy
W82	X = xxxxx.xxx Y = yyyyyy.yyy
W83	X = xxxxx.xxx Y = yyyyyy.yyy
W84	X = xxxxx.xxx Y = yyyyyy.yyy
Elbow85	X = xxxxx.xxx Y = yyyyyy.yyy
W86	X = xxxxx.xxx Y = yyyyyy.yyy
W87	X = xxxxx.xxx Y = yyyyyy.yyy
It88	X = xxxxx.xxx Y = yyyyyy.yyy
It89	X = xxxxx.xxx Y = yyyyyy.yyy
It90	X = xxxxx.xxx Y = yyyyyy.yyy
It91	X = xxxxx.xxx Y = yyyyyy.yyy
It92	X = xxxxx.xxx Y = yyyyyy.yyy
It93	X = xxxxx.xxx Y = yyyyyy.yyy
It94	X = xxxxx.xxx Y = yyyyyy.yyy
It95	X = xxxxx.xxx Y = yyyyyy.yyy
W96	X = xxxxx.xxx Y = yyyyyy.yyy
W97	X = xxxxx.xxx Y = yyyyyy.yyy
W98	X = xxxxx.xxx Y = yyyyyy.yyy
W99	X = xxxxx.xxx Y = yyyyyy.yyy
It100	X = xxxxx.xxx Y = yyyyyy.yyy
It101	X = xxxxx.xxx Y = yyyyyy.yyy
It102	X = xxxxx.xxx Y = yyyyyy.yyy
It103	X = xxxxx.xxx Y = yyyyyy.yyy
It104	X = xxxxx.xxx Y = yyyyyy.yyy
It105	X = xxxxx.xxx Y = yyyyyy.yyy
It106	X = xxxxx.xxx Y = yyyyyy.yyy
It107	X = xxxxx.xxx Y = yyyyyy.yyy
W108	X = xxxxx.xxx Y = yyyyyy.yyy
W109	X = xxxxx.xxx Y = yyyyyy.yyy
W110	X = xxxxx.xxx Y = yyyyyy.yyy
It111	X = xxxxx.xxx Y = yyyyyy.yyy
It112	X = xxxxx.xxx Y = yyyyyy.yyy
It113	X = xxxxx.xxx Y = yyyyyy.yyy
It114	X = xxxxx.xxx Y = yyyyyy.yyy
W115	X = xxxxx.xxx Y = yyyyyy.yyy
It116	X = xxxxx.xxx Y = yyyyyy.yyy
It117	X = xxxxx.xxx Y = yyyyyy.yyy
It118	X = xxxxx.xxx Y = yyyyyy.yyy
It119	X = xxxxx.xxx Y = yyyyyy.yyy
It120	X = xxxxx.xxx Y = yyyyyy.yyy
It121	X = xxxxx.xxx Y = yyyyyy.yyy
It122	X = xxxxx.xxx Y = yyyyyy.yyy
It123	X = xxxxx.xxx Y = yyyyyy.yyy
W124	X = xxxxx.xxx Y = yyyyyy.yyy
It125	X = xxxxx.xxx Y = yyyyyy.yyy
It126	X = xxxxx.xxx Y = yyyyyy.yyy
It127	X = xxxxx.xxx Y = yyyyyy.yyy
It128	X = xxxxx.xxx Y = yyyyyy.yyy

Watermain Pipe Weld Schedule:-

Type	Location Co-Ords (ING)
It129	X = xxxxx.xxx Y = yyyyyy.yyy
It130	X = xxxxx.xxx Y = yyyyyy.yyy
It131	X = xxxxx.xxx Y = yyyyyy.yyy
It132	X = xxxxx.xxx Y = yyyyyy.yyy
W133	X = xxxxx.xxx Y = yyyyyy.yyy
W134	X = xxxxx.xxx Y = yyyyyy.yyy
W135	X = xxxxx.xxx Y = yyyyyy.yyy
W136	X = xxxxx.xxx Y = yyyyyy.yyy
It137	X = xxxxx.xxx Y = yyyyyy.yyy
It138	X = xxxxx.xxx Y = yyyyyy.yyy
It139	X = xxxxx.xxx Y = yyyyyy.yyy
It140	X = xxxxx.xxx Y = yyyyyy.yyy
W141	X = xxxxx.xxx Y = yyyyyy.yyy
Elbow142	X = xxxxx.xxx Y = yyyyyy.yyy
It143	X = xxxxx.xxx Y = yyyyyy.yyy
It144	X = xxxxx.xxx Y = yyyyyy.yyy
It145	X = xxxxx.xxx Y = yyyyyy.yyy
It146	X = xxxxx.xxx Y = yyyyyy.yyy
Elbow147	X = xxxxx.xxx Y = yyyyyy.yyy
W148	X = xxxxx.xxx Y = yyyyyy.yyy
W149	X = xxxxx.xxx Y = yyyyyy.yyy

Watermain Fittings Schedule:-

BOUNDARY BOX AND PIPE FITTINGS TABULATED SCHEDULE TO BE PROVIDED ON DRAWING (Excel Format Preferably)

Type	Location Co-Ords (ING)
Connection Point	X = xxxxx.xxx Y = yyyyyy.yyy
Meter Chamber	X = xxxxx.xxx Y = yyyyyy.yyy
BB01	X = xxxxx.xxx Y = yyyyyy.yyy
BB02	X = xxxxx.xxx Y = yyyyyy.yyy
BB03	X = xxxxx.xxx Y = yyyyyy.yyy
BB04	X = xxxxx.xxx Y = yyyyyy.yyy
BB05	X = xxxxx.xxx Y = yyyyyy.yyy
BB06	X = xxxxx.xxx Y = yyyyyy.yyy
BB07	X = xxxxx.xxx Y = yyyyyy.yyy
BB08	X = xxxxx.xxx Y = yyyyyy.yyy
BB09	X = xxxxx.xxx Y = yyyyyy.yyy
BB10	X = xxxxx.xxx Y = yyyyyy.yyy
BB11	X = xxxxx.xxx Y = yyyyyy.yyy
BB12	X = xxxxx.xxx Y = yyyyyy.yyy
BB13	X = xxxxx.xxx Y = yyyyyy.yyy
BB14	X = xxxxx.xxx Y = yyyyyy.yyy
BB15	X = xxxxx.xxx Y = yyyyyy.yyy
BB16	X = xxxxx.xxx Y = yyyyyy.yyy
BB17	X = xxxxx.xxx Y = yyyyyy.yyy
BB18	X = xxxxx.xxx Y = yyyyyy.yyy
BB19	X = xxxxx.xxx Y = yyyyyy.yyy
BB20	X = xxxxx.xxx Y = yyyyyy.yyy
BB21	X = xxxxx.xxx Y = yyyyyy.yyy
BB22	X = xxxxx.xxx Y = yyyyyy.yyy
BB23	X = xxxxx.xxx Y = yyyyyy.yyy
BB24	X = xxxxx.xxx Y = yyyyyy.yyy
BB25	X = xxxxx.xxx Y = yyyyyy.yyy
BB26	X = xxxxx.xxx Y = yyyyyy.yyy
BB27	X = xxxxx.xxx Y = yyyyyy.yyy
BB28	X = xxxxx.xxx Y = yyyyyy.yyy
BB29	X = xxxxx.xxx Y = yyyyyy.yyy
BB30	X = xxxxx.xxx Y = yyyyyy.yyy
BB31	X = xxxxx.xxx Y = yyyyyy.yyy
BB32	X = xxxxx.xxx Y = yyyyyy.yyy
BB33	X = xxxxx.xxx Y = yyyyyy.yyy
BB34	X = xxxxx.xxx Y = yyyyyy.yyy
BB35	X = xxxxx.xxx Y = yyyyyy.yyy
BB36	X = xxxxx.xxx Y = yyyyyy.yyy
BB37	X = xxxxx.xxx Y = yyyyyy.yyy
BB38	X = xxxxx.xxx Y = yyyyyy.yyy
BB39	X = xxxxx.xxx Y = yyyyyy.yyy
BB40	X = xxxxx.xxx Y = yyyyyy.yyy
BB41	X = xxxxx.xxx Y = yyyyyy.yyy
BB42	X = xxxxx.xxx Y = yyyyyy.yyy
BB43	X = xxxxx.xxx Y = yyyyyy.yyy
BB44	X = xxxxx.xxx Y = yyyyyy.yyy
BB45	X = xxxxx.xxx Y = yyyyyy.yyy
BB46	X = xxxxx.xxx Y = yyyyyy.yyy
BB47	X = xxxxx.xxx Y = yyyyyy.yyy
BB48	X = xxxxx.xxx Y = yyyyyy.yyy
BB49	X = xxxxx.xxx Y = yyyyyy.yyy
BB50	X = xxxxx.xxx Y = yyyyyy.yyy
SV01	X = xxxxx.xxx Y = yyyyyy.yyy
SV02	X = xxxxx.xxx Y = yyyyyy.yyy
SV03	X = xxxxx.xxx Y = yyyyyy.yyy
SV04	X = xxxxx.xxx Y = yyyyyy.yyy
SV05	X = xxxxx.xxx Y = yyyyyy.yyy
SV06	X = xxxxx.xxx Y = yyyyyy.yyy
SV07	X = xxxxx.xxx Y = yyyyyy.yyy
SV08	X = xxxxx.xxx Y = yyyyyy.yyy
SV09	X = xxxxx.xxx Y = yyyyyy.yyy
SV10	X = xxxxx.xxx Y = yyyyyy.yyy
SV11	X = yyyyyy.yyy
HYD01	X = xxxxx.xxx Y = yyyyyy.yyy
HYD02	X = xxxxx.xxx Y = yyyyyy.yyy
HYD03	X = xxxxx.xxx Y = yyyyyy.yyy
HYD04	X = xxxxx.xxx Y = yyyyyy.yyy
HYD05	X = xxxxx.xxx Y = yyyyyy.yyy
HYD06	X = xxxxx.xxx Y = yyyyyy.yyy
HYD07	X = xxxxx.xxx Y = yyyyyy.yyy
AV01	X = xxxxx.xxx Y = yyyyyy.yyy
AV02	X = xxxxx.xxx Y = yyyyyy.yyy
AV03	X = xxxxx.xxx Y = yyyyyy.yyy

Note:-
PIPE WELD LOCATIONS AND TABULATED INFORMATION MAY BE SHOWN ON A SEPARATE DRAWING FOR THE PURPOSE OF CLARITY.

SAMPLE DRAWING

LEGEND:

SYMBOLS LEGEND TO BE PROVIDED ON DRAWING

- STD-W-04 — REFER TO STD-W-04 FOR DETAILS
- SITE BOUNDARY
- WATERMAIN
- BBxx — BOUNDARY BOX
- WATER SERVICE CONNECTION
- 61.50m+ — ROAD LEVEL
- FFL:60.25m — FINISHED FLOOR LEVEL
- SV — SLUICE VALVE
- AV — AIR VALVE
- HYD — HYDRANT
- WO — WASH OUT HYDRANT
- AV — AIR VALVE
- BM — BULK METER CHAMBER
- CP — CONNECTION POINT
- WOx — PIPE WELD LOCATIONS
- STD-W-07 — STANDARD DETAIL REFERENCE
- It03 — TAPPING TEE PIECE

NOTES:

1. ALL PIPE MATERIALS SHALL BE SPECIFIED ON THE RELEVANT DRAWINGS, & SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 3.9 OF THE CODE OF PRACTICE FOR WATER INFRASTRUCTURE.

Watermain Asset Schedule:-

Type	Number of
Boundary Boxes	50 No.
Flow Meter Chamber	1 No.
Flow Meter Kiosk	1 No.
Sluice Valves	11 No.
Hydrants	7 No.
Air Valves	3 No.
Washout Hydrants	-
Scour Chamb	-
Headwall	-
PRV / PSV Chamber	-
PRV / PSV Kiosk	-
Booster Pump Station	-

ASSET SCHEDULE TO BE PROVIDED ON DRAWING

CDS TRACKER NUMBER TO BE CLEARLY STATED ON DRAWING.

CDS-1900xxxxxx

DRAWING TO BE REVISED TO "AS-BUILT" STATUS

REV.	DATE	DESCRIPTION	BY	CHKD	APPR
AB1	MAR 2025	AS-BUILT RECORD DRAWING	RH	-	-

Uisce Éireann Irish Water

Development

DEVELOPMENT TITLE TO BE CLEARLY STATED.

Developer / Consultant

NAME AND ADDRESS OF DEVELOPER AND/OR CONSULTANT TO BE CLEARLY SHOWN.

Title

WATERMAIN SITE LAYOUT PLAN

DRAWING TITLE TO BE CLEARLY STATED.

Drawn	Scale	Drawing Number	Rev.
RH	AS SHOWN	004-IS-SA-WA	AB1
Chkd. RH	Date 03/2025		
Apprd. M McG	Status AS-BUILT		