

**Uisce Éireann - Water Infrastructure Standard Details**

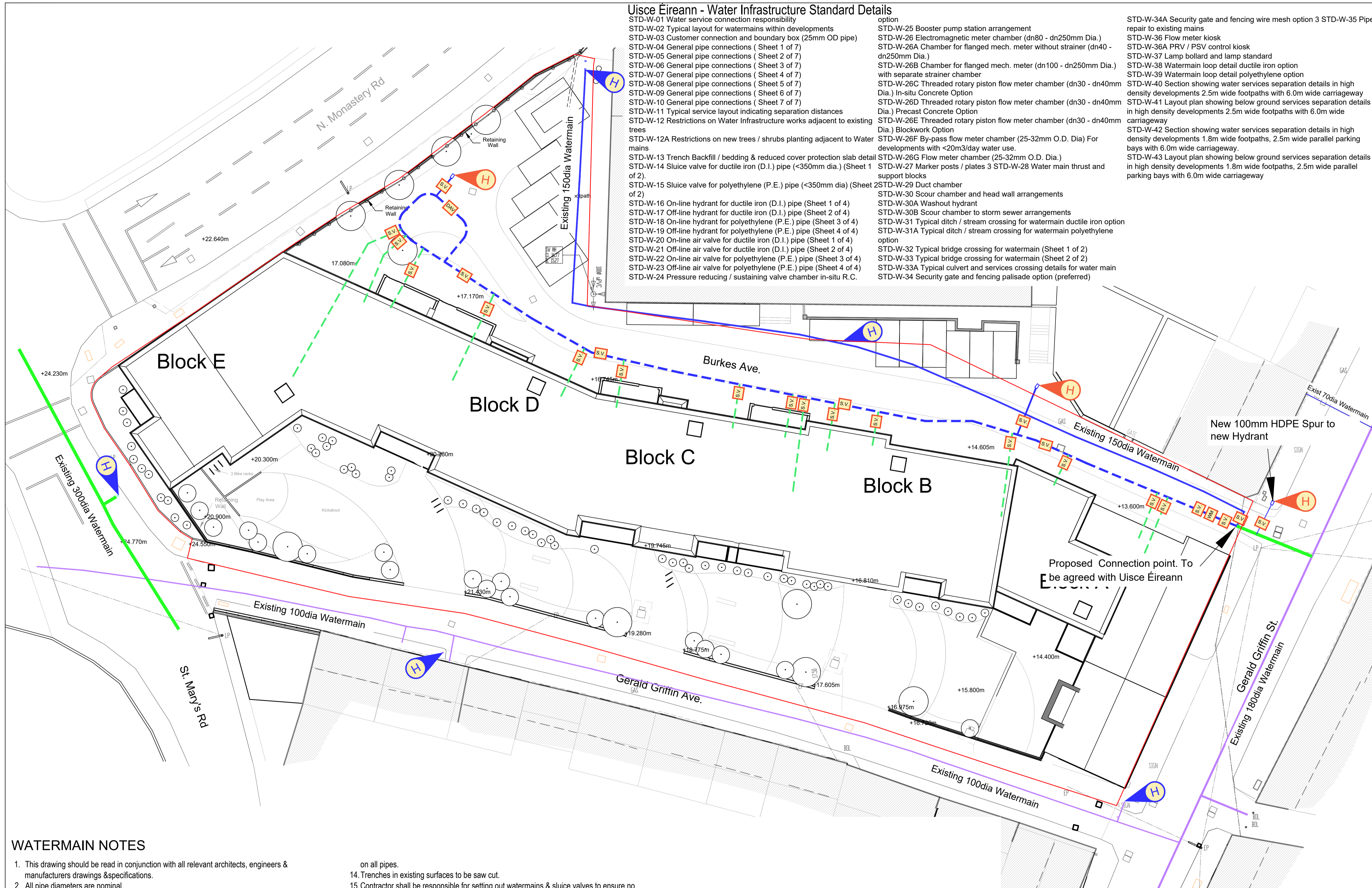
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- STD-W-42 Section showing water services separation details in high density developments 1.8m wide footpaths, 2.5m wide parallel parking bays with 6.0m wide carriageway.
- STD-W-43 Layout plan showing below ground services separation details in high density developments 1.8m wide footpaths, 2.5m wide parallel parking bays with 6.0m wide carriageway

**LEGEND - WATERMAIN**

- Site outlined in red
- Existing Cast Iron Local Authority Watermain
- Existing DN150 Local Authority Watermain
- Existing DN 300 Ductile Iron Local Authority Watermain

All existing services to be confirmed on site prior to commencing works

- Existing Fire Hydrant
- Proposed Fire Hydrant
- Proposed Sluice Valve
- Proposed Double Air Valve, Located at highest point on watermain
- Proposed Watermeter
- Proposed 150mm dia HDPE Watermain
- Proposed 63mm dia HDPE Connection



**WATERMAIN NOTES**

1. This drawing should be read in conjunction with all relevant architects, engineers & manufacturers drawings & specifications.
2. All pipe diameters are nominal.
3. Where connection is required to an existing public watermain, the contractor must issue detailed documentation for approval to the relevant local authority and Uisce Éireann, this documentation must be issued at least 40 working days in advance of the planned works or as agreed with the local authority and Uisce Éireann.
4. All thrust blocks must be cast against undisturbed ground. Flexible pipes should be wrapped in one layer of 1000 gauge polythene to avoid direct contact with the concrete. Marker posts and plates to be provided for all valves, meters and hydrants.
5. Chlorination and bacteriological tests to be undertaken by external tester and test certification to be submitted to the engineer.
6. Marker posts and plates to be provided for all valves.
7. In advance of testing of the watermain, the contractor must present to the engineer a calibration certificate for the apparatus to be used in the test.
8. All details to be agreed with local authority.
9. All existing watermain to be adequately protected. Any watermain damaged during the course of construction will be replaced by the contractor at their cost.
10. Covers of all hydrant chambers to be painted yellow
11. All rocker pipes shall be no more than 150mm from their associated chamber
12. Where pipe run is located adjacent to foundation and is at a level below underside of the foundation, pipe trench to be backfilled to formation level with class 15/20 concrete.
13. Provide anchor/thrust blocks on all bends equal to or in excess of 22.5°, dead ends and tees on all pipes.
14. Trenches in existing surfaces to be saw cut.
15. Contractor shall be responsible for setting out watermain & sluice valves to ensure no clashes with service ducts or pipes.
16. Proposed Hydrant quantities and location shall be in compliance with the Fire Safety Certificate Application.
17. The Main Contractor is to undertake a flow and pressure test on the existing watermain to establish its adequacy in compliance with the Fire Safety Certificate

Refer to drawings C-5001 and C-5002 for proposed drainage plans

C	13.04.26	Layout aligned with Architect site plan	COS	DS
B	12.06.25	Layout aligned with Architect site plan	COS	DS
A	01.12.23	Issued for Draft Part 8 Planning Application	COS	DS
REV	DATE	DESCRIPTION	BY	APP

PROJECT: Gerald Griffin Street Housing Development

TITLE: Level 0 Proposed Watermain Layout

CLIENT: MMD Construction



DRAWN:	COS	CHECKED:	DS	APPROVED:	JL
PROJECT NUMBER:	24213	DATE:	27/11/2023	SCALE @ A1:	1:200
STATUS DESCRIPTION:	Statutory Submission Planning Permission			STATUS:	P3

DRAWING NUMBER:	GGs - MWP - ZZ - DR - C - 5003	REV:	C
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