



Legend

- Proposed Water Main (80PE 100mm ϕ unless otherwise shown - Refer to STD-W-13 re. trenching & Backfilling)
- Existing Water Main
- Me Bulk Meter (Refer to STD-W-26 & 26A)
- SV Sluice Valve (Refer to STD-W-15)
- H Hydrant (Refer to STD-W-18 & 19)
- AV Air Valve (Refer to STD-W-22 & 23)
- ScV Scour Valve (Refer to STD-W-30)
- Proposed water service connection & boundary box (Refer to STD-W-01 & 03)
- Thrust blocks to be provided as per standard drawing STD-W-28 at all tees, bends, tapers, dead ends and pipes at steep slopes.
- Hatched roads are shared surfaces with no footpaths



Key Plan

Scale 1:5000

- Do not Scale from the drawing.
- All dimensions are in mm unless otherwise noted.
- All coordinates are ITM.
- All Watermain supply pipes to be Blue and of Polyethylene material.
- All construction details and domestic connections will be constructed to the specifications provided in the Irish Water Document: 'Water Infrastructure Standard Details - Connection and Developer Services, Document Number IW-CDS-5020-01, (July 2020, Revision 04) and the Irish Water Publication: 'Code of Practice for Water Infrastructure, IW-CDS-5020-03 (July 2020, Revision 2).
- All Gravity Water mains shall be MDPE or HDPE and of a type PE80 (Polyethylene) and have an SDR-11 or SDR-17 rating. They will 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 IS EN 12201-3 (Plastic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 3: Fittings).
- Polyethylene pipes shall also conform to the following UK Water industry specifications (WIS): 4-32-08, 4-32-16, 4-32-19 & IGN 4-01-03.
- All water mains shall comply with Section 3.9 of IW-CDS-5020-03 regarding depth of cover.
- Air valve and hydrant covers, in grassed areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete, 20mm aggregate, bedded in clause 604 material. The plinth shall incorporate mild steel reinforcement links and have a bull-nose finish around its external perimeter. See section 3.18 of the Water Code of Practice.
- No domestic property shall be more than 46m from a hydrant and No hydrant has been located within 6m of a property as per section 3.5.25 of the Water Code of Practice.
- No new water main, up to and including 150mm ϕ , has been located within 3m of an existing or proposed structure. See section 3.5.9 of the Water Code of Practice. In some locations the water main has been moved, locally, from the footpath into the roadway to achieve this separation distance, see section 3.5.8 of the Water Code of Practice.
- Sluice valves have been placed at all junctions in accordance with sections 3.16.2 and 3.5.39 of the Water Code of Practice.
- A 150mm internal ϕ spine main shall be installed with 100mm ϕ Branch mains as per section 3.5.15 of the Water Code of Practice.
- Air valves shall be positioned at localised high points as shown on the drawing and in accordance with the Water Code of Practice.
- All 'T' Junctions will be made at 90° - see STD-W-07.
- Scour valves shall be positioned at low points as shown on the drawing and in accordance with sections 3.16.4 and 3.21 of the Water Code of Practice. Scour chambers will be offline and linked to surface water manholes (to be agreed with the local authority).
- The minimum separation distances for Gas Networks Ireland infrastructure shall be in accordance with IS329 'Gas Distribution Mains' and IS328 'Code of Practice for Gas Transmission Mains' as amended/updated - See section 3.6 of the Water Code of Practice.
- Redundant mains shall be traced back to the Irish Water network by the developer and shall be blanked off by Irish Water at the developer's expense.
- Redundant mains shall be grubbed up/dug out by the developer after blanking off. See method statement.

Issue	Description	Date	By	For
1	Issued for planning	05.05.22	EW	MM
2	Issued for pre-planning	05.02.21	EW	MM

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Title: Site Layout - Watermains
Sheet 1 of 2

Client: Cumrun Construction Ltd.

Project: Proposed Residential Development
Coolcarron, Fermoy,
Co. Cork

Drawn by: EK
Scale: 1:500
Status: Planning

19074-P-003-1

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