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LEGEND

- Site Boundary
- Proposed Ø 200mm PE100 SDR 17 Water Supply Pipe
- Proposed Ø 150mm PE100 SDR 17 Water Supply Pipe
- Proposed Ø 25mm PE80 SDR 17 House Connection and Water Meter
- Proposed Ø 32mm PE80 SDR 17 House Connection and Water Meter
- Proposed Sluice Valve
- Proposed Fire Hydrant
- Proposed Bulk Meter
- Proposed Air Valve
- Proposed Scour Valve Chamber
- Proposed Thrust Block
- Proposed Level
- Proposed Washout Hydrant

Notes:

Watermain infrastructure to be constructed in accordance with Irish Water Code of Practice IW-CDS-5020-03 & Standard Details IW-CDS-5020-01

Watermain loops to encompass a minimum of four houses connections and a fire hydrant

Watermains to be a minimum 750mm from the kerb and 300mm from any other service. typical service layout distances (horizontally and vertically) as per service (std-W-11)

All watermains to be a minimum of 3.0m from small sized amenity tress and 6.0m from deciduous trees (STD-W-12a)

Watermain to be kept 1.5m to 2.0m from trees with root protection. trees to be no greater than medium size as per iw-cds-5020-03 e.g. ash, holly, whitebeam or similar. reroot 2000 or similar

Refer to STD-W-12A, STD-WW-06, STD-WW-06A & 3.26 of the code of practice for Planting Restrictions of Water and Waste Water. Root protection to be ReRoot 2000 or Similar

Location of valves, manholes, hydrants are shown indicative only on this drawing, it is the contractors responsibility to ensure that the positions on the ground are in accordance with IW-CDS-5020-03

Water main house connections to comply with section 3.7 & 3.15.3 of the water code of practice and STD-W-26 standard detail

Air valves and Hydrants to comply with 3.18 of the code of practice, where provided in grass areas, shall be surrounded by concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete, 20mm aggregate size, bedded in Clause 804 material. The plinth shall incorporate mild steel reinforcement links all around and shall have bull nose finish around its external perimeter

Scour valve on an offline pipe to be agreed by local authority. See section 3.16.4 and 3.21 of the Water Code of Practice

Manhole covers located in grass areas to have 200mm all round concrete plinth and 100mm deep formed C20/25 concrete, 20mm aggregate, bedded in Clause 804 material

Pipe material shall be HDPE or MDPE in accordance with Section 3.9 and shall comply with Section 3.9 of the Irish Water Code of Practice.

For water main connection to dwellings refer to M&E drawing detailing 'Pop Up' locations.
All water mains and connections to be installed in accordance with I.W. code of practice IW - CDS - 5020 - 03

Thrust Blocks to watermains as per IW Standards Detail STD - W - 28

Three way Sluice Valve arrangement to be constructed with Ductile Iron and in accordance with Irish Water specification and Standard Detail drawings - STD-W-04 to STD-W-10

Scour Valves located at low points as shown. A non return valve is to be provided in this manhole to prevent backflow to the water supply network system and connection to be agreed with the Local Authority, see section 3.16.4 ad 3.21 pf the Water Code of Practice

Scour valve to to have scour chamber as per STD-W-30

Washout Hydrant as per IW Standard detail STD-W-30A

Interconnecting pipework between valves, hydrants to be Ductile iron fittings as per relevant Irish Water Standard detail. IW Standard details can be found at the following location www.water.ie/connections/developer-services/

NOTES:

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES
5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
E	02/12/19	Revised after IW Comments	RD	BH
D	02/12/19	Air & Scour Valves Added & Minor Revisions	FG	RD
C	05.11.2019	Revised Architect Layout	JK	RD
B	17.07.19	New Background	FG	RD
A	10.07.19	First Issue	JK	BH

Client: Kegata Ltd

Project: Residential Development at Roshill Galway

Title: Proposed Watermain Layout Part 2

Scale @ A1: 1:500 A3: 1:1000

Prepared by:	Checked:	Date:
JK	BH	July 2019

Project Director: M. McD.

Drawing Status: Plannning

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