



WATER MAIN LEGEND:

- NEW WATERMAIN WAWSURE PE100 SDR17 (10 BAR)
- NEW DMA PUBLIC WATER MAIN
- EXISTING PUBLIC WATERMAIN
- SLUCE VALVE
- FIRE HYDRANT
- WATER SERVICE CONTROL UNIT
- AIR VALVE, TO BE POSITIONED AT LOCALISED HIGH POINT IN ACCORDANCE WITH SECTION 3.16.6 OF THE WATER CODE OF PRACTICE
- SCOUR VALVE AND SCOUR MANHOLE TO BE PROVIDED WITH A NON-RETURN VALVE THIS IS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-30A

S.V. (Symbol)
 FH (Symbol)
 WSCU (Symbol)
 A.V. (Symbol)
 S.V. (Symbol) Sc.MH (Symbol)

Key Plan

NOTES:

EACH UNIT TO BE PROVIDED WITH A WATER SERVICES CONTROL UNIT (WSCU), EACH WSCU TO HAVE AN ACCESS LID AND STOPCOCK. TYPE OF WSCU TO BE APPROVED BY LOUTH COUNTY COUNCIL.

ALL WSCUS TO BE LOCATED IN PUBLIC FOOTPATHS (OUTSIDE OF INDIVIDUAL SITES).

ALL WATERMANS FOR THE DEVELOPMENT TO BE 100mm CLASS C L.PVC PIPES EXCEPT WHERE UNDER ROADWAYS WHERE EQUIVALENT DUCTILE IRON PIPES TO BE USED.

WATER SERVICE CONNECTION TO UNITS TO BE 12mm POLYETHYLENE TYPE 30HEAVY GAUGE TO ISO 154. WATERMAIN PIPES TO HAVE MINIMUM COVER OF 900mm. SERVICE PIPES SHOULD HAVE A MINIMUM COVER OF 600mm.

SERVICE PIPES TO HAVE 100mm SURROUND CONSISTING OF 10mm PE4 GRAVEL.

AIR VALVES TO BE LOCATED AT HIGH POINTS AND SCOUR VALVES TO BE LOCATED AT LOW POINTS ON THE PIPE NETWORK. LOCATION OF ALL VALVES TO BE AGREED WITH LOUTH COUNTY COUNCIL.

WATERMANS SHOULD BE LOOPED AS SHOWN ON THIS DRAWING. WHERE DEAD-ENDS ARE USED, A DUCK FOOT HYDRANT SHOULD BE PROVIDED AT THE DEAD-END.

MARKER POSTS TO BE INSTALLED AT ALL SLUCE VALVES, FIRE HYDRANTS, AIR VALVES & SCOUR VALVES. ALL TEES, SPECIAL BENDS TO BE FLANGED ONLY.

JOINTS SHALL BE FORMED BY AN APPROVED METHOD, RECOMMENDED BY THE MANUFACTURER. ELASTOMERIC SEALING RINGS, WHERE USED, SHOULD COMPLY WITH THE REQUIREMENTS OF BS 2494.

CONCRETE ANCHOR BLOCKS SHOULD BE PROVIDED ON WATERMANS AT DEAD ENDS, TEES, BENDS OF CURVATURE GREATER THAN 22.5° AND AT BOTH SIDES OF A SLUCE VALVE CHAMBER. ANCHOR BLOCKS SHOULD ENCASE THE PIPE IN CONCRETE (CLASS E, CLAUSE 1002, SPECIFICATION FOR ROADWORKS), TO A MINIMUM THICKNESS OF 150mm ALL ROUND AND SHOULD BE A MINIMUM LENGTH OF 750mm.

DUCTILE IRON PIPES TO BE USED UNDER ROADWAYS AND PARKING BAYS.

ALL WATERMANS TO BE OVERLAP WITH MARKER TAPE COMPLETE WITH 2 STRANDS OF CONTINUOUS TRACER WIRE. TRACER WIRE TO BE CONNECTED TO FITTINGS. CONTINUITY OF TRACER WIRE TO BE ENSURED AT ENDS OF ROLLS, FITTINGS AND CHANGES IN DIRECTION.

HYDRANT, SLUCE VALVE, AIR VALVE AND STOPCOCK CHAMBERS SHOULD BE PROVIDED WITH CAST IRON SURFACE BOXES IN COMPLIANCE WITH THE REQUIREMENTS OF BS 281. SURFACE BOXES FOR ROADWAYS AND AREAS ACCESSIBLE TO WHEEL TRAFFIC SHOULD BE SUBJECT TO APPROVAL.

THE LOCATION OF HYDRANTS, AIR VALVES AND SLUCE VALVES SHOULD BE SHOWN BY INDICATOR PLATES POSITIONED TO THE APPROVAL OF LOUTH COUNTY COUNCIL.

ALL WATERMANS SHOULD BE HYDRAULICALLY TESTED BEFORE LAYING. TO BE TESTED IN SECTIONS AT 1.5 TIMES ITS OPERATING PRESSURE AND BE WITNESSED AND CERTIFIED BY A REPRESENTATIVE OF DBO/C/C. METHOD OF TESTING AS APPROVED BY LOUTH COUNTY COUNCIL. THE PIPELINE SHOULD BE ADEQUATELY ANCHORED OR RESTRAINED, DURING TESTING.

ALL WATERMANS TO BE FULLY CLEANED AND STERILISED BEFORE THE COMPLETION AND HANDOVER OF THE DEVELOPMENT OR PARTS THEREOF.

CONNECTIONS TO PUBLIC MAINS AND THE INDIVIDUAL, RESIDENTIAL, CONNECTIONS TO THE NEW SITE MAIN HAVE TO BE CARRIED OUT BY A LOUTH COUNTY COUNCIL APPROVED PLUMBER AND CERTIFIED ACCORDINGLY.

ALL WORKS WILL BE CARRIED OUT IN CONJUNCTION WITH IRISH WATER CODE OF PRACTICE FOR POTABLE WATER INFRASTRUCTURE AND IRISH WATER STANDARD DETAILS FOR POTABLE WATER.

ALL DETAILS FOR POTABLE WATER MUST COMPLY WITH IRISH WATERS STANDARD DETAILS IW-CDS-5029-01.

LEGEND:

- ROAD EDGE (IN-SITU KERB)
- FOOTPATH EDGE
- ROAD CENTRELINE
- ROAD CHANNEL LINE
- ROAD RAMP
- DROPPED KERB WITH TACTILE PAVING
- CORDUROY PAVING
- CAR DRIVEWAYS
- GROUND FLOOR LEVEL
- ROAD GRADIENT
- ROAD DIMENSION
- PERMEABLE PAVING TO CAR PARKS 1-8
- ROAD SURFACE
- FOOTPATH SURFACE
- RAISED TABLE
- SHARED SURFACE - VEHICULAR (HOMEZONE)
- PARKING
- GRASS/PLANTING
- TACTILE PAVING

REV. NO.	DESCRIPTION	DATE	INITIALS
B	Issued for Planning	May 2019	T. Finn
A	Issued to Irish Water for Statement of Acceptance	26th April 2019	T. Finn

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DESIGN PARTNERSHIP
CREATIVE • INNOVATIVE

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DRAWING NO: **132 B** REV. NO:

GENE

TITLE: **Watermain Layout Zone 2**

PROJECT: **Haggardstown, Blackrock, Dundalk Residential Development @**

CLIENT: **Kingsbridge Consultancy Ltd
1st Floor Quayside Business Park
Mill Street, Dundalk, Co Louth.**

SCALE: **1:500 @ A1** DRAWN: **P.Coyle**

DATE: **November 2018** CHECKED: **-**

STATUS: **Planning Permission**

JOB NO: **1703**

NOTES:
1. Copyright Reserved 2003 ©
2. Work to figure dimensions only. Do not scale drawing.
3. The contractor is responsible for checking all levels and dimensions on site and shall refer all discrepancies to the Architect.
4. Where appropriate, for details of structure, mechanical and electrical details, see Engineers drawings.
5. Proprietary items shall be fixed in accordance with manufacturers instructions.
6. Use of proprietary items shall be checked with manufacturer.
7. The contractor shall be responsible for the coordination of structure, finishes and services.

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