

**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 WSCU'S TO BE LOCATED IN PUBLIC FOOTPATHS (OUTSIDE OF INDIVIDUAL SITES).

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

WATER SERVICE CONNECTION TO UNITS TO BE 12mmØ POLYETHYLENE TYPE 32/HEAVY GAUGE TO ISO 134.

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 PEA 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 SLUICE 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 SLUICE VALVE CHAMBER. ANCHOR BLOCKS SHOULD ENCASE THE PIPE IN CONCRETE (CLASS E, CLAUSE 1502, 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 OVERLAID 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, SLUICE VALVE, AIR VALVE AND STOPCOCK CHAMBERS SHOULD BE PROVIDED WITH CAST IRON SURFACE BOXES IN COMPLIANCE WITH THE REQUIREMENTS OF IS 261. SURFACE BOXES FOR ROADWAYS AND AREAS ACCESSIBLE TO WHEELED TRAFFIC SHOULD BE SUBJECT TO APPROVAL.

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

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

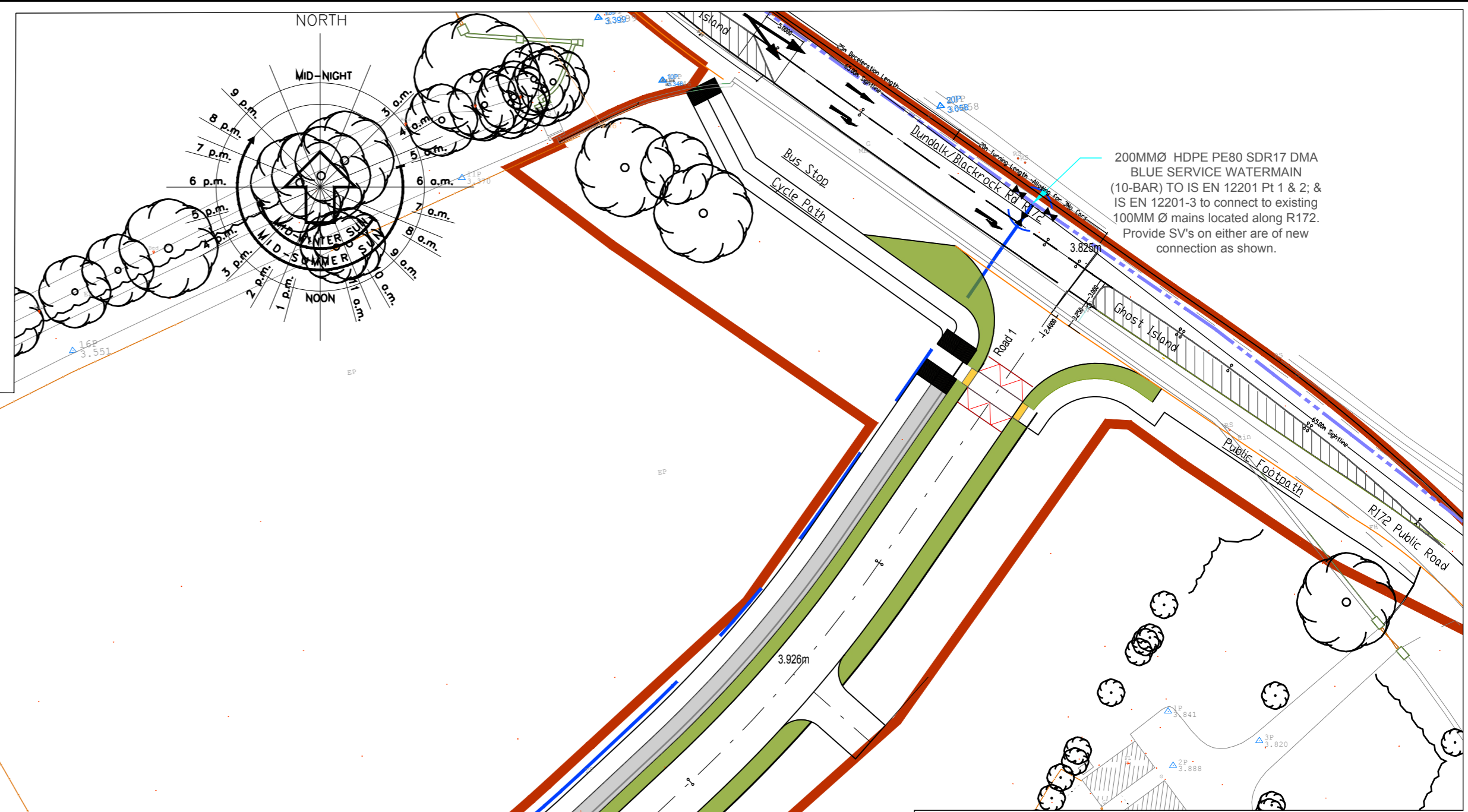
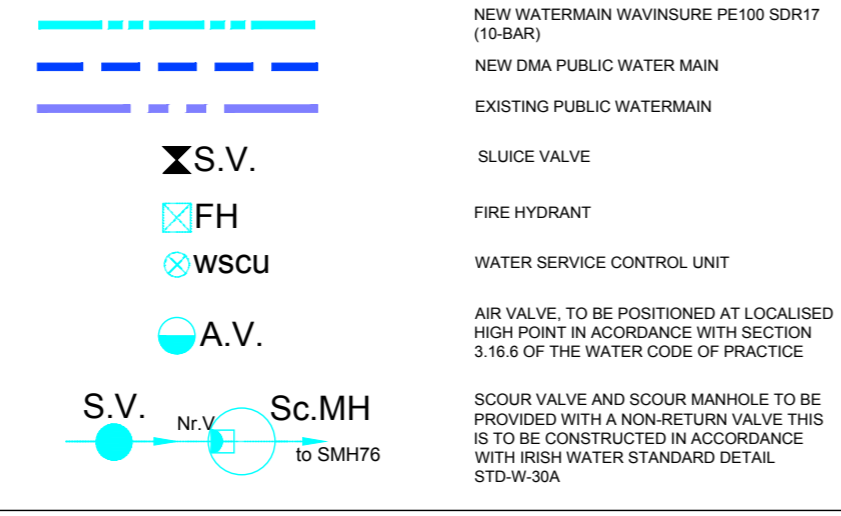
ALL WATERMANS TO BE FULLY CLEANED AND STERILISED BEFORE THE COMPLETION AND HANDOVER OF THE DEVELOPMENT OR PARTS THEREOF.

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-5020-01

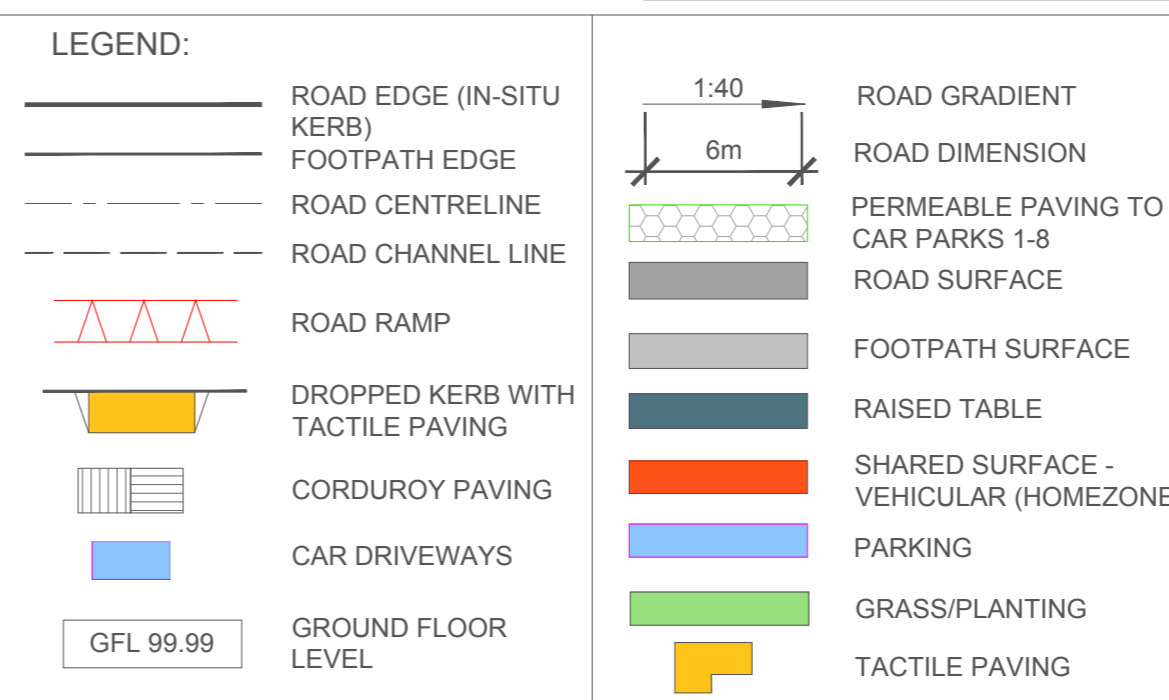
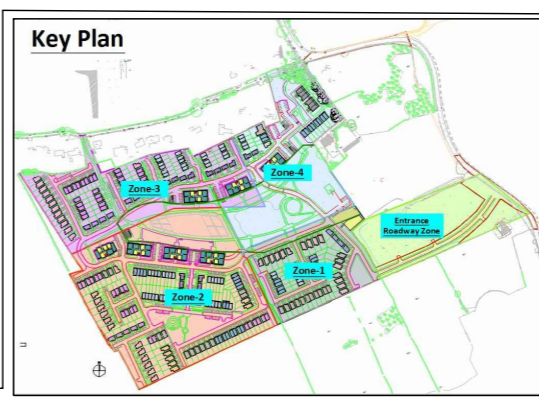
**WATER MAIN LEGEND:**



**200MMØ HDPE PE80 SDR17 BLUE SERVICE WATERMAIN (10-BAR) TO IS EN 12201 Pt 1 & 2; & IS EN 12201-3 site service metered connection from new 200MMØ DMA mains.**

Metered connection shall consist of a sluice valve, a straight length of pipework at least 10 times the diameter of the meter in length upstream of the meter, Irish Water supplied water meter, a straight length of pipework at least 5 times the meter diameter in length downstream of the meter and a sluice valve. Provide off-line hydrant on the pipework downstream of the meter chamber along with a sluice valve for occasional recalibration and checking of the meter, as shown.

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



**01 Watermain Layout-Main Entrance Road**  
SCALE 1:500

ZONE 1 REFER TO DRAWING 1703-Eng-131

**finn** CREATIVE • INNOVATIVE

**DESIGN PARTNERSHIP**

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DRAWING NO: **130 B** REV. NO:

TITLE: **Watermain Layout Main Entrance Roadway**

PROJECT: Residential Development @ Haggardstown, Blackrock, Dundalk

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 figured 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 i.e. structure, or mechanical and electrical details, see Engineers drawings.  
5. Proprietary items shall be fixed in strict accordance with manufacturers instructions.  
6. Sizes of proprietary items shall be checked with manufacturer.  
7. The contractor shall be responsible for the coordination of structure, finishes and services.

● CIVIL - STRUCTURAL ENGINEERING ● PROJECT MANAGEMENT