

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


CREATIVE • INNOVATIVE

DESIGN PARTNERSHIP

Blakestown, Ardee, Co. Louth, Ireland
 t 041 6857200 f 041 6857201 e info@finn.ie w www.finn.ie

DRAWING NO: 138 REV. NO: B

TITLE: Watermain Details (Sheet 2 of 3)

PROJECT: Residential Development @ Haggardstown Blackrock, Dundalk Co Louth.

CLIENT: Kingsbridge Consultancy Ltd 1st Floor, Block 1, Quayside Business Park, Dundalk Co Louth

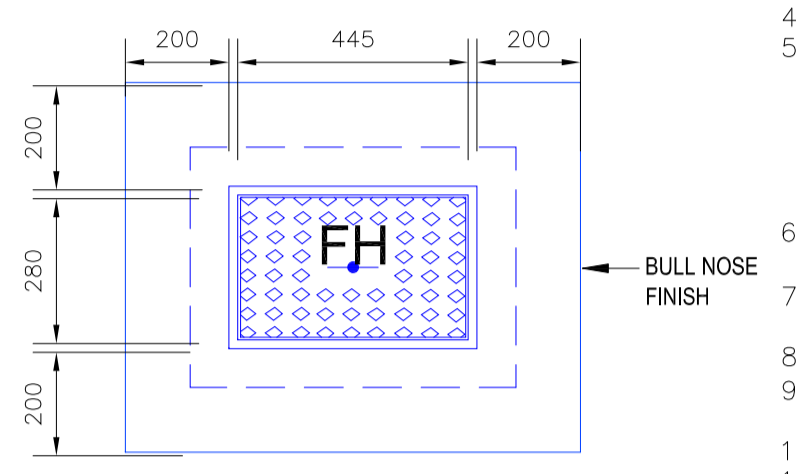
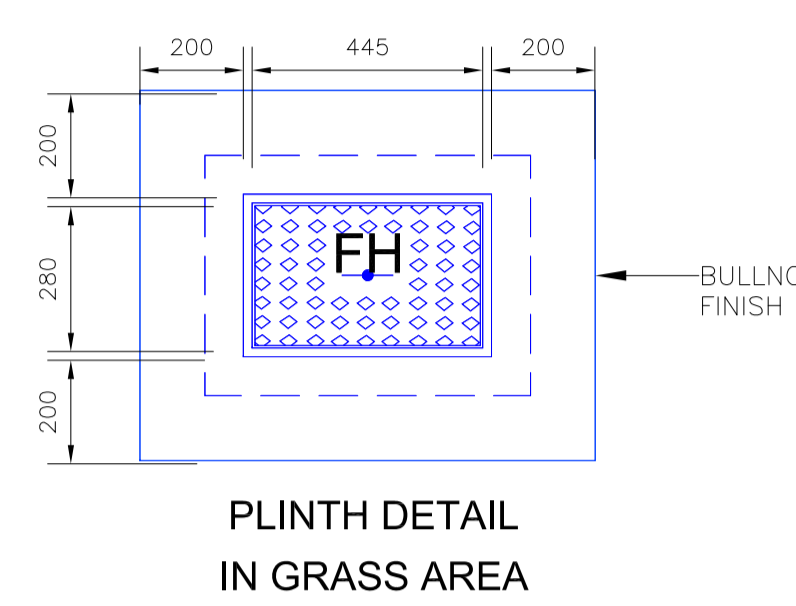
SCALE: As Shown DRAWN: T.Finn
 DATE: November 2018 CHECKED: -

STATUS: Planning Permission

JOB NO: 1703

NOTES
 1. Copyright Reserved 2019 ©
 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 c/c, structure, or mechanical and electrical details, see Engineers drawings.
 5. Proprietary items shall be fixed in place according to manufacturers instructions.
 6. Size 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

- ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- HYDRANT CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 OR BS 5834 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
- ALL HYDRANTS, SURFACE BOX FRAMES & COVERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF IS EN 14339, IS EN 1074-6 & BS 750. FIRE HYDRANTS SHALL BE TYPE 2. THE HYDRANT INLET SHALL BE 80mm DIAMETER WITH PN16.
- ALL HYDRANTS SHALL BE CLOCKWISE CLOSING.
- HYDRANT CHAMBER TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED, SUBJECT TO REVIEW BY IRISH WATER. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 150mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH BS 5911, Part 4.
- CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 808 MATERIAL AS PER 01 (Drwg 137).
- DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 545. PE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 12201:2011.
- 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
- THRUST BLOCKS (NOT SHOWN ON DRAWING), TO BE PROVIDED AS PER IRISH WATER STANDARD DETAIL STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
- ANTI CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
- ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
- ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY'S REQUIREMENTS.
- NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
- EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS" BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



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