



NOTES:

EXACT INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION OF NEW FOUL SEWERS.

THE PROPOSED FOUL SEWERS ARE A MAXIMUM DIAMETER OF 150mm LAID AT THE GRADIENTS SHOWN WHICH ARE IN ACCORDANCE WITH LOUTH COUNTY COUNCIL GUIDELINES. THE DESIGN OF THE FOUL SEWERS IS BASED ON A ROUGHNESS COEFFICIENT OF 1.5mm.

THE PROPOSED FOUL DRAINAGE SYSTEM FOR THE NEW DEVELOPMENT WILL DISCHARGE INTO THE EXISTING SYSTEM AT LOCATION AS INDICATED ON THE LAYOUT. THE INVERT LEVEL OF THE CONNECTION POINTS TO BE CONFIRMED.

ALL COVER LEVELS ARE INDICATIVE AND THE FINAL COVER LEVELS TO MATCH FINISHED PATHROAD LEVELS.

ALL LEVELS OF PIPES TO BE CHECKED AND VERIFIED PRIOR TO WORK COMMENCING ON SITE.

THE LAYOUT OF THE BRANCH DRAINS FROM THE INDIVIDUAL SITES ARE AS SHOWN ON THE DWELLINGS LAYOUT PLAN. ANY CHANGES ARE TO BE AGREED PRIOR TO CONSTRUCTION. THE DISTANCE FROM THE FINAL ACCESS JUNCTION ON EACH INDIVIDUAL SITE TO THE CONNECTION TO THE MAIN DRAIN TO BE A MINIMUM OF 1.2m.

THE CONNECTION OF THE BRANCH DRAINS TO MAIN DRAINS SHOULD BE MADE AT A MANHOLE WHERE POSSIBLE. ONLY USING AN OBLIQUE TYPE SADDLE. SADDLES SHOULD NOT BE USED ON PIPES OF 100mm DIAMETER. NOR TO CONNECT PIPES OF THE SAME DIAMETER.

ALL PIPES SHOULD HAVE FLEXIBLE JOINTS FORMED BY A METHOD RECOMMENDED BY THE PIPE MANUFACTURER. ELASTOMERIC SEALING RINGS, COMPLYING WITH THE REQUIREMENTS OF BS 3444, TYPE D, SHOULD BE USED.

MANHOLE COVERS AND FRAMES (TO COMPLY WITH THE REQUIREMENTS OF IS EN 124):
 CLASS LOCATION
 D 400 ROADWAYS, HARSHOULDERS, VEHICULAR ACCESSES
 B 125 FOOTWAYS, GRASS VERGES
 A 15 AREAS INACCESSIBLE TO MOTOR VEHICLES

ALL BRANCH CONNECTIONS FROM ACCESS JUNCTIONS (AJS) TO BE 100mm ϕ uPVC PIPES AT A GRADIENT OF 1 IN 60.

LOCATION AND INVERT LEVELS OF EXISTING (OR PROPOSED) MANHOLES OR OUTFALL POINTS TO BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION OF PROPOSED DRAINAGE NETWORK.

THE TYPE OF PIPE AND FITTINGS TO BE USED TO BE uPVC IN ACCORDANCE WITH THE REQUIREMENTS OF IS 4341 UNLESS OTHERWISE STATED BY ENGINEER.

TRENCH WIDTH AT THE LEVEL OF THE TOP OF THE PIPE SHOULD GENERALLY BE AS NARROW AS SAFE WORKING CONDITIONS WOULD ALLOW, WITH A MINIMUM WIDTH OF 300mm PLUS THE EXTERNAL DIAMETER OF THE PIPE BARREL.

DRAINS SHALL BE ACCESSIBLE FOR MAINTENANCE AND REPAIR AND SHALL BE CONSTRUCTED ON PUBLIC PROPERTY. ACCESS SHALL GENERALLY BE PROVIDED BY MEANS OF A MANHOLE BUT, SUBJECT TO APPROVAL, A PROPRIETARY ACCESS JUNCTION MAY BE USED IN LIEU OF A MANHOLE, ON A DRAIN WHERE THE DEPTH TO INVERT IS LESS THAN 600mm.

FLEXIBLE PIPES SHOULD BE LAID WITH A MINIMUM COVER OF 1.2m IN ROADS AND DRIVEWAYS, 0.9m IN OPEN SPACES AND FOOTPATHS NOT ADJACENT TO ROADWAYS AND 0.6m IN GARDENS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVERS, ADDITIONAL MEASURES SHOULD BE TAKEN IN ORDER TO PROTECT PRIORWORK. DETAILS SHOULD BE AGREED WITH THE ENGINEER PRIOR TO CONSTRUCTING THE PIPELINE.

LEGEND:

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

150mm dia Foul Sewer Rising Main Wasteware PE100 SDR 11 170 BAR) G15 EN 12201 and specification WIS 4-32-17-2001- Issue 2

New foul sewer rising main pipeline being installed within site boundaries shall be constructed by the proposer of the development under a self-lay agreement with Irish Water

Proposed New Pumping Station with 121.80m³ offline Storage Tanks (12 hr storage provided in tank and wet well). Refer to Drwg 1703-Eng-120 for details of proposed sump. Pumping station complies with section 5.4 and 5.5 of the waste water code of practice by means of access for large vehicles and being sited a minimum of 15m from property boundary.

REV. NO.	DESCRIPTION	DATE	INITIALS
B	Issued for Planning	May 2019	T. Finn
A	Issued to Irish Water for Statement of Acceptance	28th April 2019	T. Finn

finn
 DESIGN PARTNERSHIP
 CREATIVE • INNOVATIVE

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

DRAWING NO:	125	REV. NO:	B
Overall Site Foul Drainage Layout			
PROJECT: Residential Development @ Haggardstown, Blackrock, Co Louth			
CLIENT: Kingsbridge Consultancy Ltd 1st Floor, Block 1, Quayside Business Park, Mill Street, Dundalk, Co. Louth;			
SCALE: 1:1000 @ A1	DRAWN: PC	DATE: November 2018	CHECKED: -
STATUS: Planning Permission			
JOB NO: 1703			

ENG

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

CIVIL • STRUCTURAL ENGINEERING • PROJECT MANAGEMENT