01 Overall Foul Drainage Layout
125 SCALE 1:1000

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 PATH/ROAD 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 MAXIMUM OF 12m.

THE CONNECTION OF THE BRANCH DRAINS TO MAIN DRAINS SHOULD BE MADE AT A MANHOLE WHERE POSSIBLE OR BY 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 2494, TYPE D, SHOULD BE USED.

MANHOLE COVERS AND FRAMES (TO COMPLY WITH THE REQUIREMENTS OF IS EN 124):

CLASS	LOCATION
D 400	ROADWAYS, HARDSHOULDERS, VEHICULAR ACCESSES
B 125	FOOTWAYS, GRASS VERGES
A 15	AREAS INACCESSIBLE TO MOTOR VEHICLES

ALL BRANCH CONNECTIONS FROM ACCESS JUNCTIONS (AJ'S) TO BE 100mmØ 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 424) 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 RAODWAYS AND 0.6m IN GARDENS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVERS, ADDITIONAL MEASURES SHOULD BE TAKEN IN ORDER TO PROTECT PIPEWORK. DETAILS SHOULD BE AGREED WITH THE ENGINEER PRIOR TO CONSTRUCTING THE PIPELINE.

LEGEND:

- ROAD EDGE (IN-SITU KERB)
- FOOTPATH EDGE
- ROAD CENTRELINE
- ROAD CHANNEL LINE
- ROAD RAMP
- DROPPED KERB WITH TACTILE PAVING
- CORDUROY PAVING
- CAR DRIVEWAYS
- GFL 99.99 — GROUND FLOOR LEVEL
- 1:40 — ROAD GRADIENT
- 6m — 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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DRAWING. NO: 125 REV. NO: B

ENG

TITLE: 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

● CIVIL - STRUCTURAL ENGINEERING ● PROJECT MANAGEMENT