

LEGEND

EXISTING FOUL SEWER

EXISTING SURFACE WATER SEWER

PROPOSED STORM SEWER

PROPOSED FOUL SEWER

PROPOSED SURFACE WATER SEWER DIVERSION

UNDERCROFT PARKING LEVEL DRAINAGE

PROPOSED FOUL INSPECTION CHAMBER

PROPOSED SW INSPECTION CHAMBER

PROPOSED PRIVATE SIDE LANE FOUL IW INSPECTION CHAMBER

PIPE DIAMETER AND GRADIENT

PROPOSED MANHOLE NUMBER, COVER AND INVERT LEVELS

BACKDROP INVERT LEVEL

PROPOSED SWALE

PROPOSED BIO RETENTION

KERB GULLY

ROAD GULLY

PROPOSED GREEN ROOF

PROPOSED PERMEABLE PAVING

PROPOSED 100L RAINWATER BUTTS

PROPOSED TREE PIT

SITE BOUNDARY EXTENTS

NOTE: LOCATIONS AND LEVELS OF ALL EXISTING SERVICES ON SITE TO BE SURVEYED AND VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.

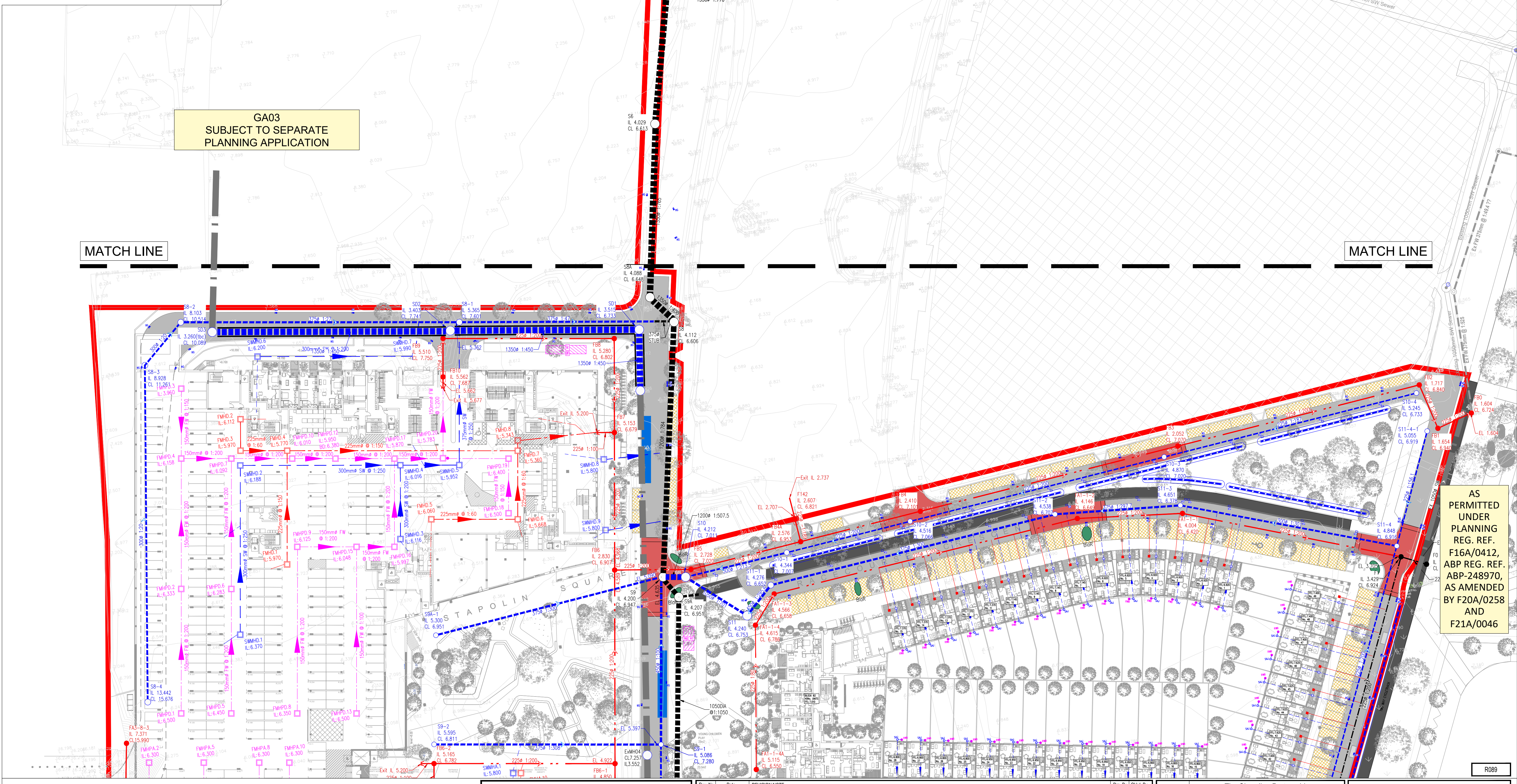
NOTES

- ALL LEVELS ARE TO MAIN HEAD ORDNANCE DATUM.
- REFER TO DRAWING BD-CSC-ZZ-XX-DR-C-0006 FOR MANHOLE DETAILS.
- REFER TO DRAWING BD-CSC-ZZ-XX-DR-C-0007 FOR PIPE BEDDING DETAILS.
- ALL WORKS IN CONFINED SPACES SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE PROVISIONS ON SAFE WORK IN CONFINED SPACES CODE OF PRACTICE FOR WORKING IN CONFINED SPACES, PUBLISHED BY THE HEALTH & SAFETY AUTHORITY.
- ALL SITE DEVELOPMENT WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE CONSTRUCTION DRAWINGS.
- ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY, IN PUBLICATIONS SERIES 200, THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS AND THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION, INCLUDING DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING ALL EXISTING SERVICES WITHIN THE SITE BOUNDARY AND IN THE AREAS AFFECTED BY THE WORKS. THE ENGINEER HAS PROVIDED INFORMATION ON KNOWN SERVICES BUT DOES NOT GUARANTEE THAT THIS INFORMATION PROVIDED BY THE THIRD PARTIES IS CORRECT OR THAT THESE ARE THE ONLY SERVICES ON THE SITE.
- SUITABLE SHORT LENGTHS OF PIPE OR ROOFER PIPES SHALL BE INSTALLED TO PROVIDE A FLEXIBLE JOINT WITHIN 100MM OF THE OUTER FACE OF THE MANHOLE ON ALL SEWERS AND BRANCHES.
- WHERE ROOF IS MET IN TRENCHES IT SHALL BE EXCAVATED AND FLOWED TO 20MM BELOW THE INSIDE OF PIPELINE.
- GRANULAR MATERIAL 50MM - 20MM NOMINAL SIZE GRADED AGGREGATE (TO COMPLY WITH TABLE 1 OF BS) TO BE USED FOR BEDDING, HAUNCHING AND SURROUNDING TO PIPES WHERE SPECIFIED.
- CONCRETE MIX C14/20 TO BE USED FOR BEDDING, HAUNCHING AND SURROUNDING WHERE SPECIFIED.
- WHERE ROOF PIPES WITH FLEXIBLE JOINTS ARE USED WITH CONCRETE BEDS FOR BRANCHES AND MAINS, MINIMUM 100MM MOVEMENT JOINTS SHALL BE PROVIDED IN THE BEDS AT MAX INTERVALS OF 50M AND ALIGNED WITH FACE OF PIPE SPORES. JOINTS TO BE MINIMUM 10M WIDE AND FILLED WITH FLEXIBLE OR SIMILAR APPROVED MATERIAL.
- SURFACE WATER AND FOUL DRAINS SHALL BE SURROUNDED BY 100 THICKNESS OF C14/20 CONCRETE IF COVER TO PIPE IS LESS THAN:
-1.0M IN ROADS AND DRIVEWAYS
-0.5M IN OPEN SPACES AND PATHS NOT NEAR CARRIAGEWAYS.
- ALL PIPE RUNS SHALL BE LAID IN STRAIGHT LINES BOTH VERTICALLY AND HORIZONTALLY TO THE SPECIFIED GRADIENTS BETWEEN MANHOLES. NO DEVIATIONS OR BENDS SHALL BE FORMED.
- REFER TO "THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS" FOR DETAILS OF SURFACE WATER MANHOLE STANDARDS AND IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS FOR DETAILS OF FOUL MANHOLE STANDARDS.
- THE CONTRACTOR SHALL CARRY OUT A CCTV SURVEY REPORT OF THE COMPLETED STORM & FOUL NETWORK TO THE SATISFACTION OF THE LOCAL AUTHORITY AND REPORT TO BE ISSUED ON PRACTICAL COMPLETION.
- THE LOCAL AUTHORITY MUST BE NOTIFIED AT LEAST 10 WORKING DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION OUTLET LEVELS FOR THE FOUL AND SURFACE WATER MANHOLES SHALL BE VERIFIED ON SITE.
- PROPOSED FOUL SEWERS WILL BE EITHER CONCRETE, THERMOSTATIC STRUCTURED WALL PIPES OR UNPLASTICIZED PVC IN ACCORDANCE WITH SECTION 3.1.3 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE. PROPOSED STORM DRAINS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF FRAGAL CO. CO.
- TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) AS PER IRISH WATER DETAIL STD-WN-02.
- THE EXTERNAL FACE OF PROPOSED MANHOLE CHAMBERS IN PUBLIC ROADS WILL BE A MINIMUM OF 0.5M FROM THE PROPOSED PUBLIC ROAD KERB LINE IN ACCORDANCE WITH SECTION 1.2.3 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE.
- INSPECTION CHAMBERS TO EACH HOUSE/JUNCTION TO BE IN ACCORDANCE WITH IRISH WATER DETAIL STD-WN-02 AND STD-WN-03.
- APPROPRIATE MEASURES ADHERING TO SECTION 3.2.1 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE WILL BE PROVIDED TO DRAINAGE INFRASTRUCTURE IN CLOSE PROXIMITY TO PLANTING.

PIPE MATERIALS

ALL FOUL SEWER PIPE MATERIALS SHALL BE PVC-SNB OR IN COMPLIANCE WITH SECTION 3.1.3 OF THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER.

PROPOSED SW SEWERS 450mm IN DIAMETER OR LARGER TO BE CONCRETE (EN12462/2002), THERMOSTATIC STRUCTURED WALL PIPES. LINED WALL TO PIPE DIAMETERS 225mm OR 375mm OR SIMILAR APPROVED.



PLANNING DRAWING. NOT FOR CONSTRUCTION. ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM. THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES		NOTES 1. For setting out refer to Architect's drawings. 2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications. 3. DO NOT SCALE THIS DRAWING. Use figured dimensions only. 4. No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission as copyright holder except as agreed for use on the project for which the document was originally issued. 5. Ordnance Survey Ireland Licence Number EN 0074020	<table border="1"><thead><tr><th>Rev. No.</th><th>Date</th><th>REVISION NOTE</th></tr></thead><tbody><tr><td>P1</td><td>09.10.2020</td><td>PLANNING SUBMISSION STAGE 3</td></tr></tbody></table>	Rev. No.	Date	REVISION NOTE	P1	09.10.2020	PLANNING SUBMISSION STAGE 3	<table border="1"><thead><tr><th>Drn. No.</th><th>Chk. By</th><th>Rev.</th></tr></thead><tbody><tr><td>DO</td><td>OS</td><td></td></tr></tbody></table>	Drn. No.	Chk. By	Rev.	DO	OS		<table border="1"><thead><tr><th>Client</th><th>Project</th></tr></thead><tbody><tr><td>The Shoreline Partnership Alterations to Shoreline GA01 Lands at Baldoye</td><td></td></tr></tbody></table>	Client	Project	The Shoreline Partnership Alterations to Shoreline GA01 Lands at Baldoye		<table border="1"><thead><tr><th>Dwg. No.</th><th>Date</th><th>Drn. By</th><th>Chk. By</th><th>Rev.</th></tr></thead><tbody><tr><td>BD-CSC-ZZ-XX-DR-C-0004</td><td>06.04.2020</td><td>PC</td><td>NB</td><td>OS</td></tr></tbody></table>	Dwg. No.	Date	Drn. By	Chk. By	Rev.	BD-CSC-ZZ-XX-DR-C-0004	06.04.2020	PC	NB	OS	<table border="1"><thead><tr><th>Scale</th><th>Project</th></tr></thead><tbody><tr><td>1:500 (A4)</td><td>P1</td></tr></tbody></table>	Scale	Project	1:500 (A4)	P1	<table border="1"><thead><tr><th>Quality</th><th>Health & Safety</th></tr></thead><tbody><tr><td>Environment Energy Health & Safety</td><td></td></tr></tbody></table>	Quality	Health & Safety	Environment Energy Health & Safety		<table border="1"><thead><tr><th>CS Consulting Group</th></tr></thead><tbody><tr><td>DUBLIN LONDON LIMERICK</td></tr></tbody></table>	CS Consulting Group	DUBLIN LONDON LIMERICK
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