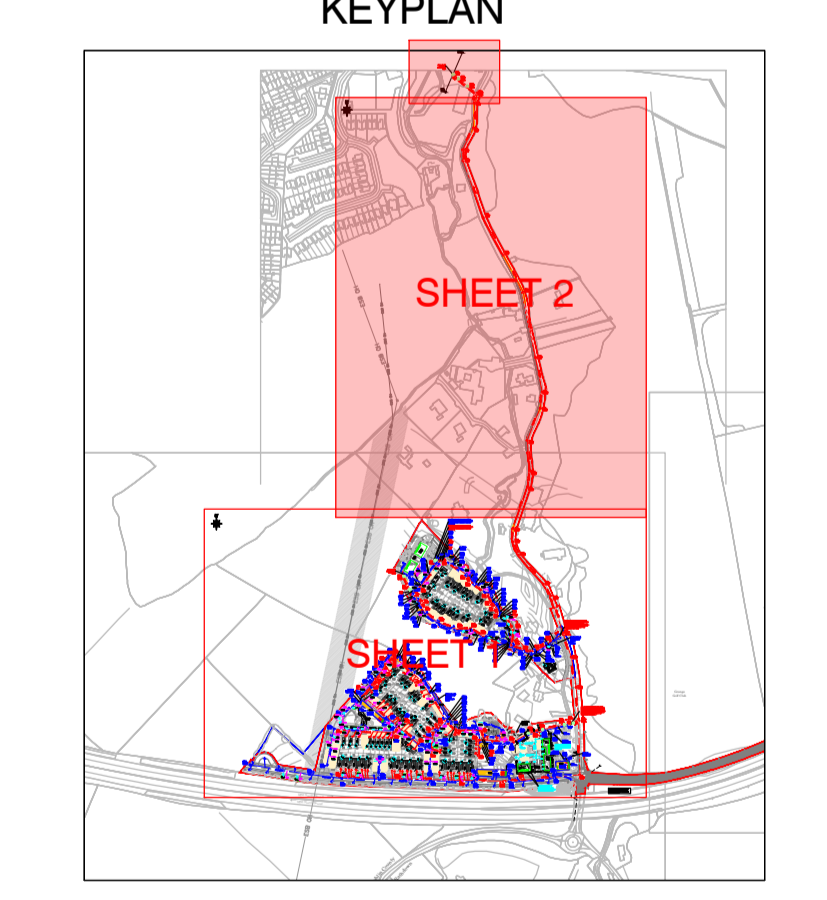


LEGEND

- EXISTING FOUL SEWER: Dashed line with black dots
- EXISTING SURFACE WATER: Dashed line with blue dots
- PROPOSED FOUL SEWER: Solid red line
- PROPOSED SURFACE WATER SEWER: Solid blue line
- PROPOSED 150mm PERFORATED PIPE (DEFLECTION PIPE AT BIO-RETENTION AREAS): Dashed orange line
- PROPOSED PERMEABLE PAVING: Yellow hatched area
- PROPOSED ATTENUATION STORAGE BENEATH PERMEABLE PAVING AT DOWNSTREAM END: Green hatched area
- PROPOSED TREE PIT WITH ATTENUATION STORAGE BENEATH: Green hatched area with a tree symbol
- PROPOSED BIO-RETENTION WITH ATTENUATION STORAGE BENEATH: Purple hatched area
- PROPOSED 900mm DIAMETER 1.4m DEEP FLOW RESTRICTOR CHAMBER AND WEP OVERFLOW CHAMBER FROM PERMEABLE PAVING, BIO-RETENTION AND TREE PIT STORAGE AREAS: Red circle with a cross
- PROPOSED RAINWATER BUTT: Blue circle with a cross
- PROPOSED ROAD GULLY: Blue circle with a cross
- PROPOSED KERB INLET: Blue circle with a cross
- PROPOSED SMALE WITH OPEN GRATED COLLECTION CHAMBER AT DOWN-STREAM END: Green circle with a cross
- PROPOSED UNDER SLUNG SURFACE WATER PIPE: Blue line with a cross
- IRISH WATER FOUL INSPECTION CHAMBER TO IRISH WATER STANDARD (SCALE: 50:MM-01, 03 AND 13): Red circle with a cross
- INDICATES FOUL MANHOLES LOCATED IN GRASSED/PLANTED AREAS TO BE SURROUNDED BY A CONCRETE PLINTH 200mm ALL ROUND AND 100mm DEEP FORMED WITH G20/25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLASS 8/4 MATERIAL: Red circle with a cross
- CONCRETE SURROUND TO PIPES THAT HAVE LESS THAN 1.0m COVER: Yellow hatched area

- DRAINAGE NOTES**
- All levels are to mean head ordinance datum.
 - 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 500, 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 gives no 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 rooker pipes shall be installed to provide a flexible joint within 1000mm of the outer face of the manhole on all sewers and branches.
 - Where rock is met in trenches it shall be excavated and trimmed to 300mm below the underside of pipelines.
 - Granular material 5mm - 20mm nominal size graded aggregate (to comply with table 1 of BS) to be used for bedding, haunching and surround to pipes where specified.
 - Where rigid pipes with flexible joints are used with concrete beds for drains and watermains, vertical movement joints shall be provided in the beds at mix intervals of 5.0m and aligned with face of pipe socket, joints to be minimum 12m wide and filled with Rexcell or similar approved material.
 - Surface water and foul drains shall be surrounded by 150 thickness of C18/20 concrete if cover to pipe is less than:
 - 1.2m in roads and driveways
 - 0.9m in open spaces and paths not near carriageways
 - Foul manholes located in grassed areas to be surrounded by a concrete plinth 200mm all round and 100mm deep formed with C20/25 20mm concrete.
 - All pipe runs shall be laid in straight lines both vertically and horizontally to the specified gradients between manholes, no obstructions or bends shall be permitted.
 - 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 outfall levels for the foul and surface water manholes shall be verified on site.
 - Proposed foul sewers will be either concrete, thermoplastic structured, welded pipes or ungalvanized pvc in accordance with section 3.13 of the Irish Water Wastewater Code of Practice, proposed storm drains to be in accordance with the requirements of South Dublin Co. Co.
 - Typical service layout distances (horizontal and vertical) as per Irish Water Detail STD-WW-05
 - 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 1.23 of the Irish Water Wastewater Code of Practice
 - Inspection chambers to each house/unit to be in accordance with Irish Water Detail STD-WW-02 and STD-WW-03.
 - Appropriate measures adhering to Section 3.21 of the Irish Water Wastewater Code of Practice will be provided to drainage infrastructure in close proximity to planting to prevent any damage to infrastructure via root ingress or negative impacts to planting such as damage of tree roots.
- PIPE MATERIALS**
- 100mmØ - 300mmØ to be uPVC to IS EN 1401 'UD'
 - 375mmØ - 600mmØ to be concrete to IS EN 1916



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NOTES

- For setting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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Rev. No.	Date	REVISION NOTE	Drn By	Chk By
P1	22.10.2021	ISSUED FOR PLANNING STAGE 3	DD	CS
P2	23.02.2022	REVISED FOR IRISH STATEMENT OF DESIGN ACCEPTANCE REVIEW	DD	GF
P3	03.03.2022	ISSUED FOR STAGE 3 PLANNING	DD	GF

Project		JFOC Architects	
Edmondstown Lands		Edmondstown Lands	
Title		Proposed Drainage Layout Sheet 2 of 2	
Dep. No.	EDM-CSC-GF-XX-DR-C-0008	Revision	P3
Date	June 2020	Drn by	PJC
Chk by	RFM	Appr'd by	CS
Scale	1:500 @ A0	Sheet	2 of 2

CS Consulting Group
 DUBLIN | LONDON | LIMERICK

Head Office
 19-22 Dame Street, Dublin-2
 T: +353 (0)1 5480937 F: +353 (0)1 9011365
 e: info@csconsulting.ie
 www.csconsulting.ie

Quality ISO 9001:2015
 Environment ISO 14001:2015
 Energy ISO 50001:2011
 Health & Safety OHSAS 18001:2007