



STORM WATER ATTENUATION TANK
UNDER BASEMENT SLAB
VOLUME=97m³
T.M.=85.350m(1:100)YEAR +20% CLIMATE CHANGE
CL:86.000m
IL:83.750m
300mm FREEBOARD BETWEEN T.M. AND UNDERSIDE OF BASEMENT SLAB

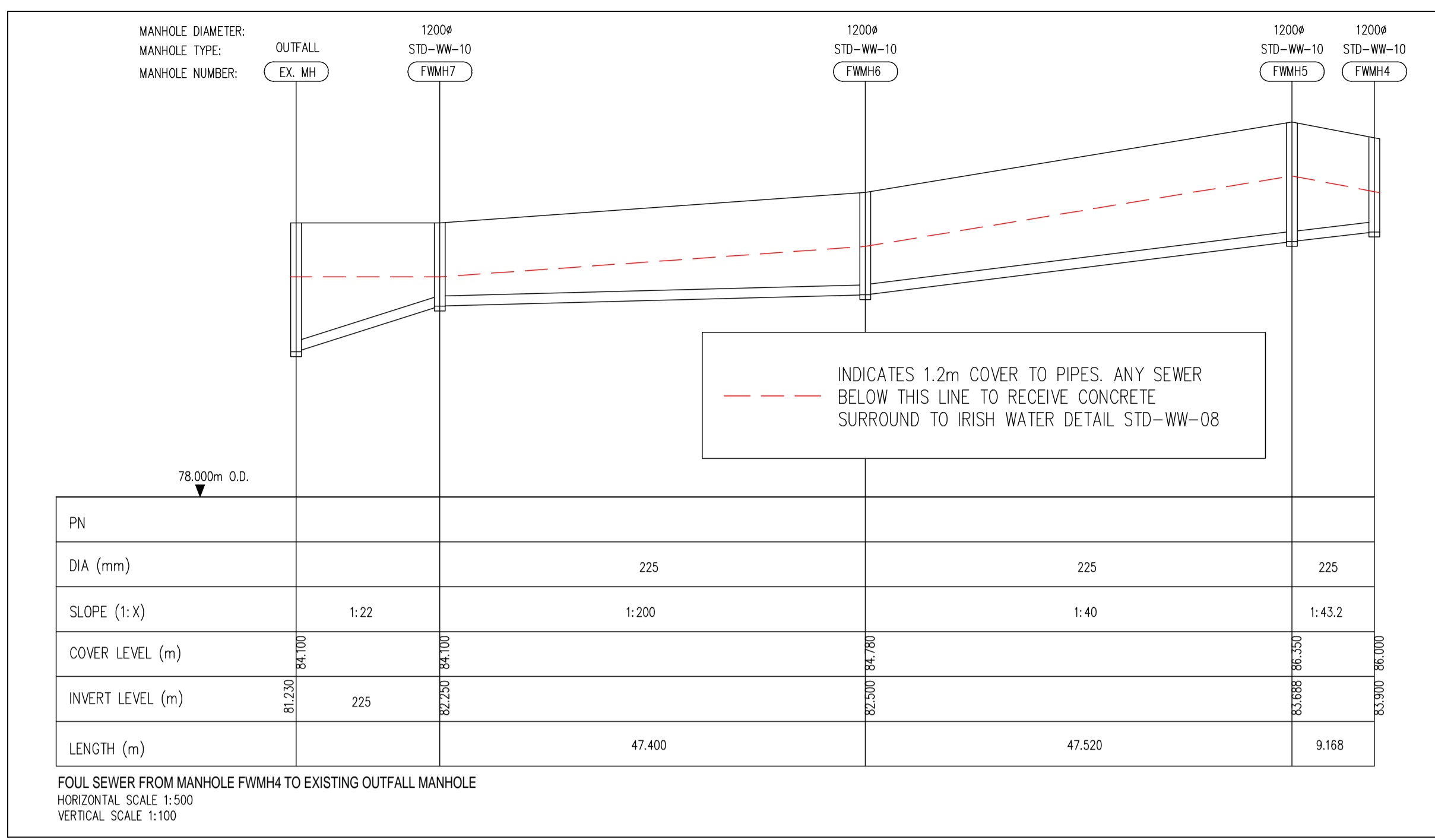
PERMEABLE PAVING TO LANDSCAPE ARCHITECTS DETAILS

FFL: 86.000m

PROPOSED CLASS 1 PETROL INTERCEPTOR KARGESTER NSBP003 (GSA)

HYDROBRAKE MANHOLE LIMITING FLOW TO 1.9L/SEC

PROPOSED DRAINAGE LAYOUT.
SCALE 1:200



LEGEND:

- SITE BOUNDARY
- EXISTING SURFACE WATER SEWER
- EXISTING FOUL WATER SEWER
- PROPOSED SURFACE WATER SEWER
- PROPOSED FOUL SEWER FROM UNDERCROFT PARKING FLOOR GULLIES
- PROPOSED FOUL GENERATED FROM TOILETS, SINKS ETC.
- PROPOSED ROAD GULLY
- PROPOSED ATTENUATION TANK
- PROPOSED PERMEABLE PAVING

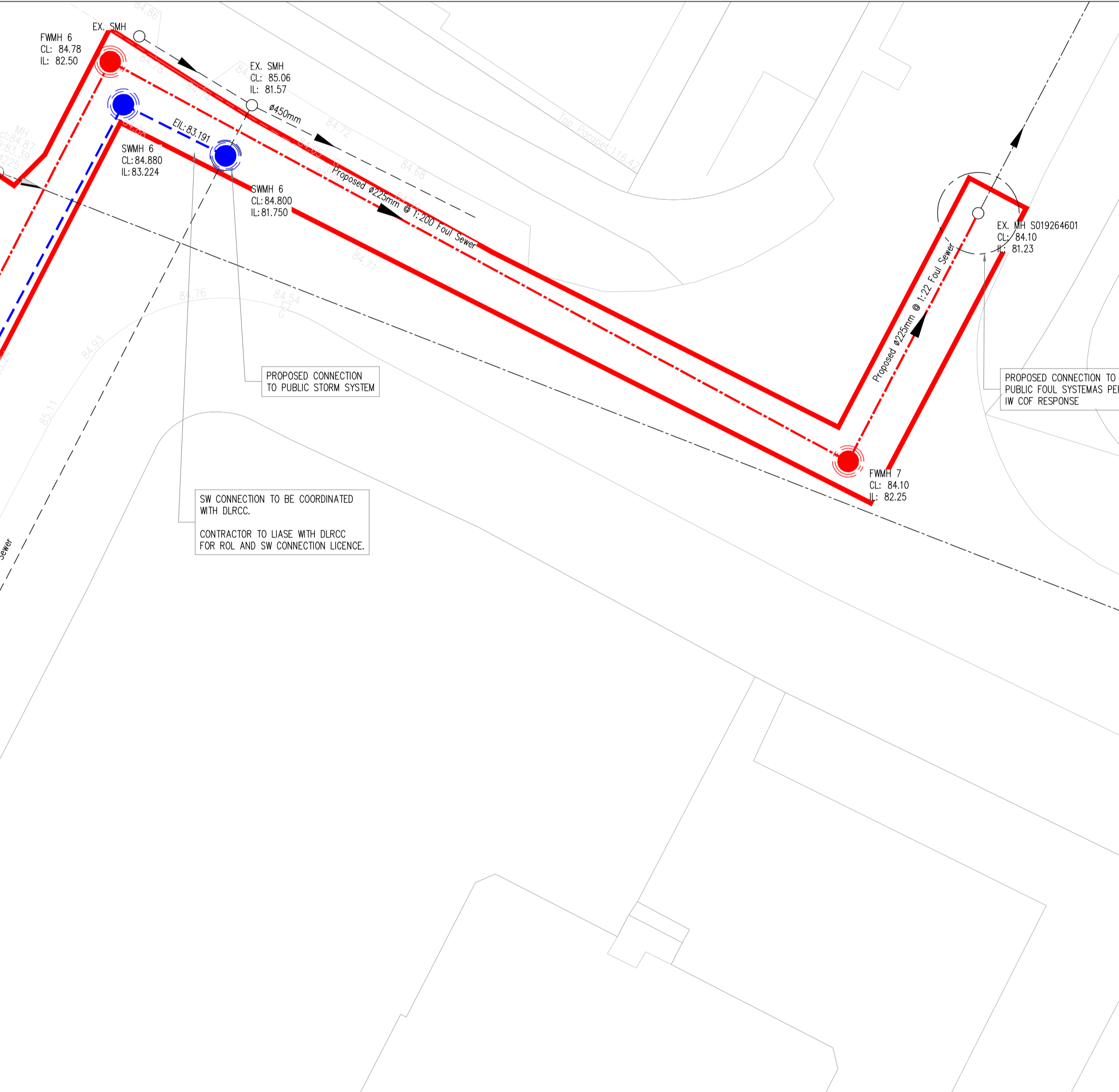
SUSTAINABLE URBAN DRAINAGE SYSTEMS

Interception & Treatment to be provided via green roof & landscape areas. Refer to the landscape architects plans for green areas.

Attenuation for the 1-in-100 year extreme storm (increased for the predicted affects of climate change) to be provided in an underground tank, with a restricted flow to 1.9l/sec.

NOTES:

- ALL WORKS WILL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER CODES OF PRACTICE FOR WASTEWATER.
- ALL MANHOLES IN GRASSED AREAS TO HAVE 200MM WIDE X 100MM DEEP CONCRETE PLINTH / KERB CAST TO THEIR PERIMETER TO ENSURE THEY ARE NOT OVERGROWN. CONCRETE TO BE GRADE C20/C25.
- EXTERNAL FACE OF ALL PROPOSED MANHOLE CHAMBERS TO BE MINIMUM 0.5 METRE FROM THE KERB LINE AND THE EXTERNAL FACE OF THE SEWERS TO BE MINIMUM 1.0 METRE FROM THE KERB LINE.
- NEW MANHOLES CONSTRUCTED OVER EXISTING IRISH WATER PUBLIC SEWER TO BE CONSTRUCTED TO IRISH WATER STANDARDS STD-WW-09, STD-WW-10, AND STD-WW-11
- CONCRETE SURROUND IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-WW-07 AND STD-WW-08 TO BE PROVIDED TO ALL SEWERS WHERE MINIMUM COVER (900MM) IS NOT ACHIEVED - NOTE THE ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE SHALL BE 750MM.
- ALL FOUL SEWER PIPE MATERIALS SHALL BE IN COMPLIANCE WITH SECTION 3.13 OF THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER.



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**
- 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.
 - DO NOT SCALE THIS DRAWING. Use figured dimensions only.
 - 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.
 - Ordnance Survey Ireland Licence Number EN 0074022

Rev. No	Date	REVISION NOTE	Dim. By	Chk. By
P1	28.05.2021	ISSUED FOR PLANNING	IK	DS
P2	01.11.2021	ARCHITECTS LAYOUT AND SITE BOUNDARY REVISED	IK	FDB
P4	04.03.2022	REVISED FOR SODA RESPONSE	DD	GL
P5	14.03.2022	ARCHITECTS LAYOUT REVISED. SW CONNECTION REVISED	IK	FDB

Client	Ravensbrook Limited
Project	Proposed Residential Development Raven's Rock Rd, Sandyford, Dublin
Title	Proposed Drainage Layout
Dwg. No.	RR-CSC-XX-XX-DR-C-0003
Date	April 2021
Dim by	DD
Chk by	DS
Aprvd by	NB
Scale	1:200 @ A1
Revision	P5

CS Consulting Group
DUBLIN | LONDON | LIMERICK

Head Office
19-22 Dame Street, Dublin 2.
T: +353 (0)1 5480863
e: info@csconsulting.ie
w: www.csconsulting.ie

Quality Environment I.S. EN ISO 9001:2008
Energy I.S. EN ISO 14001:2004
Health & Safety OHSAS 18001:2007

Q004