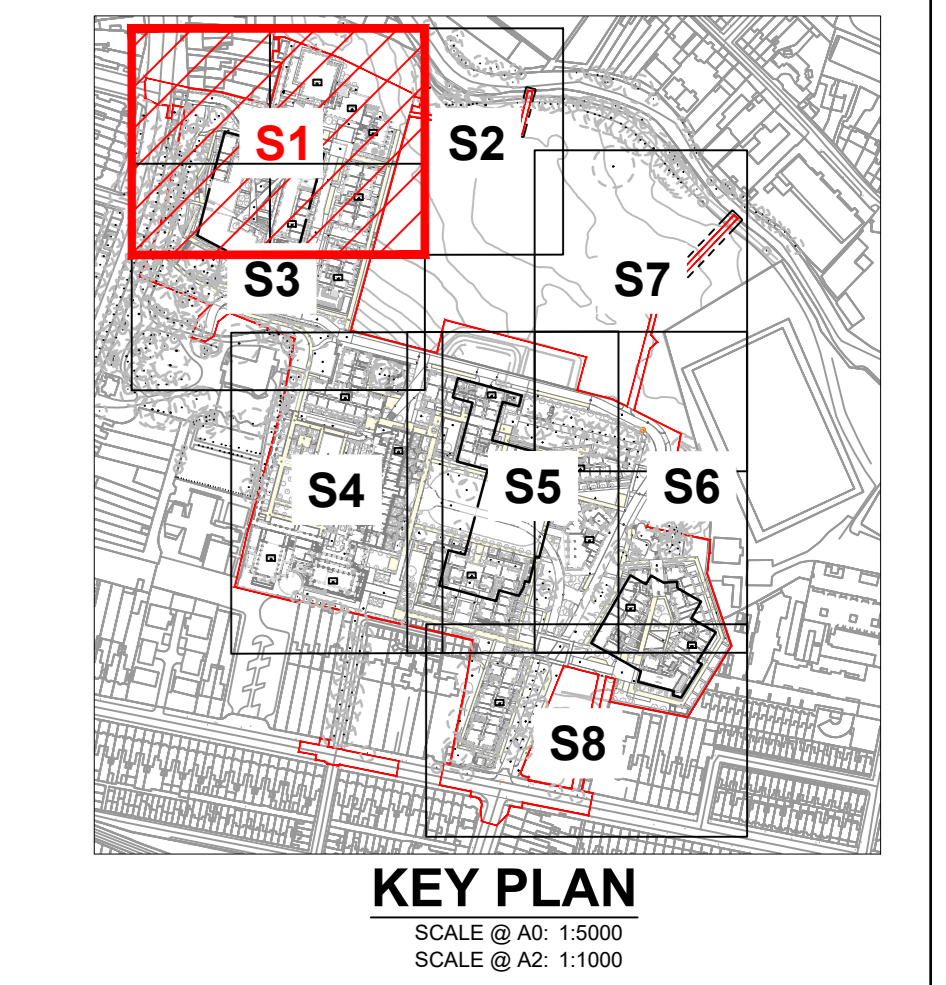


- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
 - CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
 - THE CONTRACTOR SHALL CONSTRUCT ALL FOUL WATER DRAINAGE IN ACCORDANCE WITH THE LATEST IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE & WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 - POSITIONS OF SERVICES SHOWN ARE INDICATIVE ONLY. THE SETTING-OUT OF ALL SERVICES INDICATED IS THE RESPONSIBILITY OF THE CONTRACTOR, AND HE/SHE SHALL SATISFY THEMSELVES THAT THE REQUIRED DEPTH OF COVER AND SEPARATION DISTANCES ARE ACHIEVED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE & WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 - THE CONTRACTOR SHALL REVIEW THE PLAN LAYOUTS PRIOR TO COMMENCEMENT HAVING REGARD TO THE REQUIREMENTS OF THE WASTEWATER INFRASTRUCTURE STANDARD DETAILS PUBLISHED BY IRISH WATER. WHERE A DISCREPANCY BETWEEN THE PLAN LAYOUT DRAWINGS AND THE RELEVANT REQUIREMENTS OF THE CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE & WASTEWATER INFRASTRUCTURE STANDARD DETAILS IS IDENTIFIED, THE CONTRACTOR MUST CONSULT BMCE PRIOR TO COMMENCING CONSTRUCTION, SO THAT AN APPROPRIATE DESIGN AMENDMENT CAN BE MADE IF REQUIRED.
 - THE GENERAL SPECIFICATION FOR THE FOUL WATER NETWORK ON THE PROJECT SHALL BE THE CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE & WASTEWATER INFRASTRUCTURE STANDARD DETAILS PUBLISHED BY IRISH WATER (LATEST EDITION). THE CONTRACTOR SHALL FAMILIARISE HIMSELF WITH ALL ASPECTS OF THIS DOCUMENT WHICH SHALL BE READ IN CONJUNCTION WITH THIS PARTICULAR SPECIFICATION.

LEGEND

CIVIL LEGEND

EX. SURFACE WATER MANHOLE	Ex.S □ Ex.S ○
EX. SURFACE WATER PIPE	PIPE DESCRIPTION
EX. COMBINED MANHOLE	Ex.C □ Ex.C ○
EX. IRISH WATER COMBINED SEWER PIPE	PIPE DESCRIPTION
EX. COMBINED PIPE (PRIVATE)	PIPE DESCRIPTION
NEW FOUL MANHOLE	F ●
NEW FOUL PIPE	PIPE DESCRIPTION
NEW SURFACE WATER MANHOLE	S ●
NEW SURFACE WATER PIPE	PIPE DESCRIPTION
DECOMMISSIONED LINE	- - - - -
EX. COMBINED ACCESS JUNCTION	○
EX. SURFACE WATER ACCESS JUNCTION	○
NEW FOUL WATER ACCESS JUNCTION	○
NEW SURFACE WATER ACCESS JUNCTION	○
PODIUM DRAINAGE OUTLET PIPE (REFER TO DETAIL C OF DWG. C1210)	○
NEW SOLVENT PIPE	SVP
RAINWATER PIPE	RWP
ROAD GULLY	RG
GULLY TRAP	GT
ATTENUATION TANK	■
FILTER DRAIN	■
POROUS PAVEMENT	■
ROOT PROTECTION ZONE	■



NOTE
 MINIMUM COVER TO ALL FOUL DRAINAGE SHALL BE ACHIEVED WHERE POSSIBLE AS PER IW REQUIREMENTS (1200mm UNDER ROADS AND 750mm UNDER LANDSCAPE AREAS). WHERE MINIMUM COVER IS NOT ACHIEVED FOUL SEWER SHALL BE CONCRETE ENCASED.

PROPOSED CONNECTION INTO THE 6750 IRISH WATER SEWER (UNDER THE FUTURE SPORTS GROUNDS) ESTIMATED EXISTING FOUL FLOWS INTO THE NETWORK:
 - DAILY AVERAGE FOUL FLOW = 2.76 l/s
 - PEAK FOUL FLOW = 14.39 l/s

PROPOSED BYPASS OIL SEPARATOR

PROPOSED HYDROBRAKE MANHOLE TO RESTRICT PEAK FLOWS TO 4.0 l/s EQUIVALENT TO 2.0 l/s/ha

BLOCK A'S ATTENUATION TANK EQUIVALENT TO 722 m³ RESTRICTED DISCHARGE OF 4.0 l/s FOR STORMS UP TO AND INCLUDING 1 IN 100 YEAR PLUS 20% FOR CLIMATE CHANGE.

- EXTRACT OF RESPONSIBILITIES**
 Design Engineer (BMCE) is responsible for:
- Designing the Works required to service the development in accordance with the requirements of the Connection Agreement, the Codes of Practice and the Standard Details.
 - Certifying that the design complies with the Codes of Practice and Standard Details.
 - Accepting liability for compliance through their professional indemnity insurance which shall be kept in place for a period of 6 years after the completion of the Works.
 - Accepting responsibility for the design and ensuring that all aspects of the design meet current Building Regulations, Planning Permission, any other relevant standards and legal requirements.
 - Developing a risk assessment to ensure that risks to both the local community and operators of the water supply or wastewater collection and associated treatment system are minimised.
 - Forwarding to Irish Water's Design Engineer for approval of any proposed revisions to the agreed design.
 - Assisting in the development of the Final Documents.
 - Responding to all IW correspondence in a timely manner.

- EXTRACT OF RESPONSIBILITIES**
 Construction Engineer (NOT BMCE) is responsible for:
- Managing and arranging the construction of the Works in accordance with the requirements of the Connection Agreement, the Codes of Practice and the Standard Details.
 - Prior to starting the Works and following submission of the Commencement Notice to Irish Water, arranging and attending a "Pre-Construction Meeting" with the IW Field Engineer.
 - Preparing and submitting for review to the IW Field Engineer an Inspection and Testing Plan for the Works, in accordance with the requirements of the relevant Codes of Practice (See Appendix 3).
 - Requesting the IW Field Engineer's attendance on site to witness all necessary testing and commissioning of the Works - refer to Appendix 2 and Appendix 3 of this document for details of mandatory inspections and commissioning/ tests.
 - Ensuring that the Works are acceptable to Irish Water.
 - Maintaining quality assurance documentation and as-built records on site (in the form of the QA Folder).
 - Facilitating site inspections by the Irish Water Field Engineers.
 - Ensuring as-constructed information is accurately recorded.
 - Assisting in the development of the Final Documents.
 - Submitting the Final Documents to the Field Engineer along with a completed Appendix 4, thereby requesting the provision of the Confirmation Certificate.
 - Responding to all IW correspondence and any Non-Conformance Notices issued in a timely manner.

PL#	DATE	DESCRIPTION	ISSUED BY	APPROVED BY
PL4	09.08.21	ISSUED FOR PLANNING APP.	BM	BM
PL3	30.06.21	ISSUED FOR IW APPROVAL	BM	BM
PL2	21.03.21	ISSUED FOR DCC APPROVAL	BM	BM
PL1	26.03.21	ISSUED FOR IW APPROVAL	BM	BM

BM Balfour Beatty Construction

ACEI Association of Consulting Engineers Ireland

CWTC Multi Family ICAV acting on behalf of its sub-fund DBTR DR1 Fund

Holy Cross College SHD

PROJECT TITLE
 Holy Cross College SHD

PROJECT NO.
 19.253

DRAWING TITLE
 PROPOSED DRAINAGE SITE PLAN LAYOUT. SHEET 1 OF 8

DRAWING NO.
 CLN-BMCE-50-ZZ-DR-C-1008-S1

DATE
 PL4