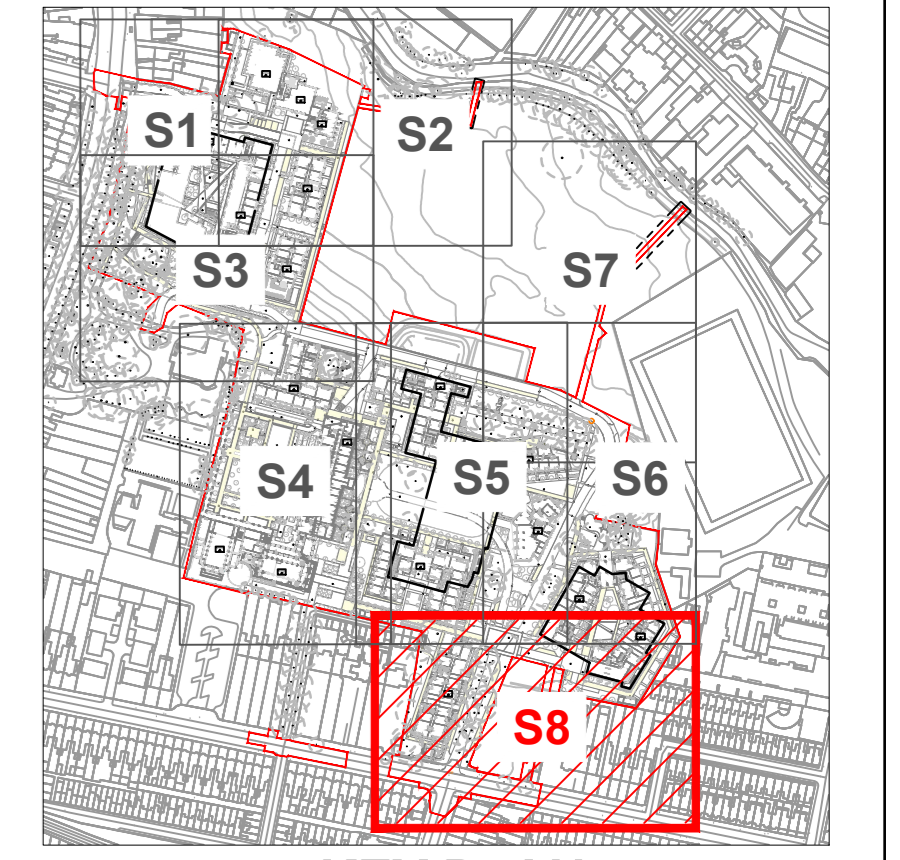
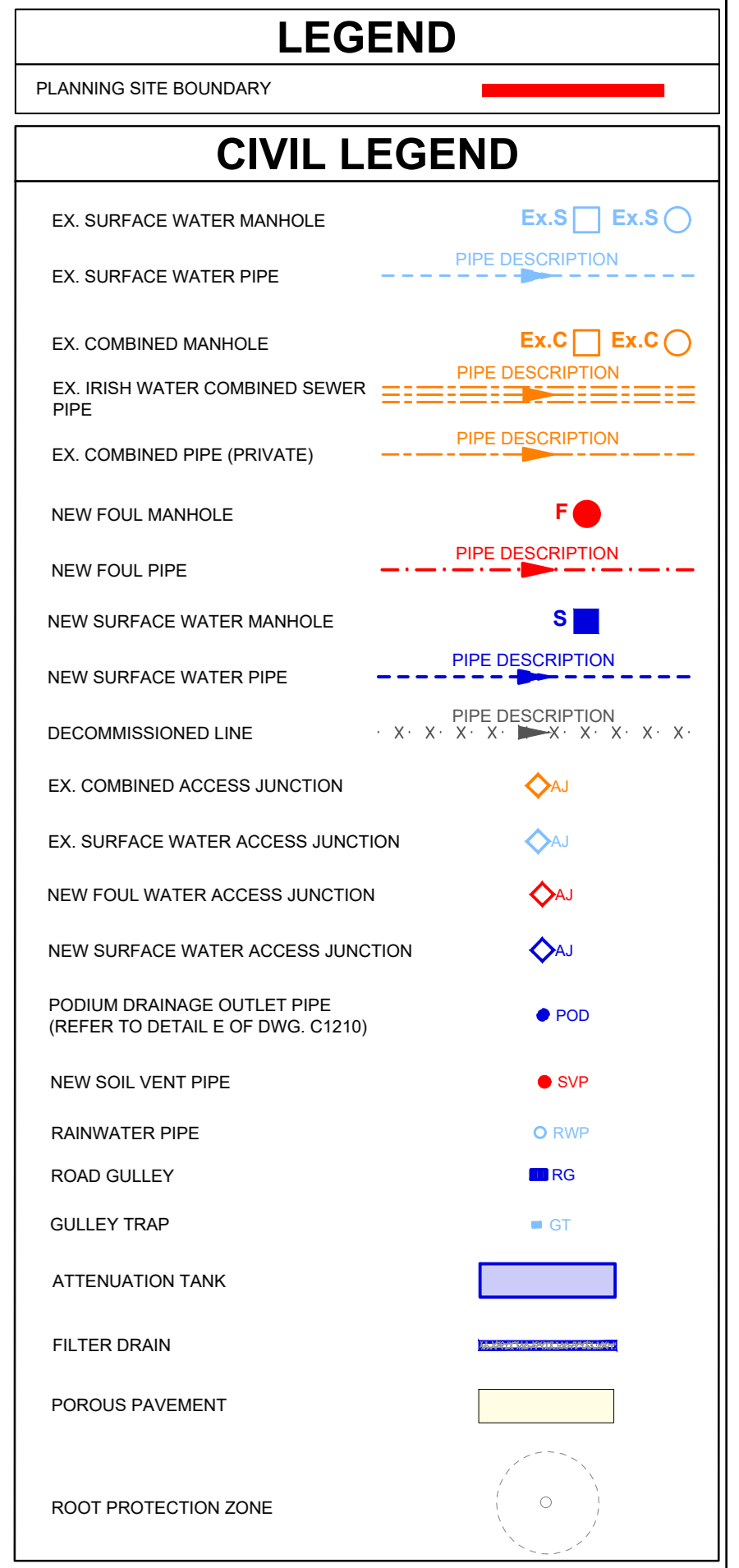


- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
 - CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
 - THE 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 REPAIRATION 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 IRISH WATER 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.



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.

BLOCK C2 ATTENUATION TANK EQUIVALENT TO 41 m³ FOR A RESTRICTED DISCHARGE OF 2.0 l/s FOR STORMS UP TO AND INCLUDING 1 IN 100 YEAR PLUS 20% FOR CLIMATE CHANGE.

PROPOSED CONNECTION INTO THE IRISH WATER NETWORK ON CLONLIFFE ROAD.
ESTIMATED EXISTING FOUL FLOWS INTO THE NETWORK:
- DAILY AVERAGE FOUL FLOW = 0.35 l/s
- PEAK FOUL FLOW = 2.11 l/s
ESTIMATED IMPERMEABLE SURFACES DISCHARGING INTO THE NETWORK = 296m²
ESTIMATED SURFACE FLOW IN TO THE NETWORK:
1 IN 1 YEAR = 4.42 l/s
1 IN 30 YEAR = 9.11 l/s
1 IN 100 YEAR = 11.92 l/s

EXISTING SURFACE WATER CONNECTION IN TO THE IRISH WATER NETWORK ON CLONLIFFE ROAD.
ESTIMATED EXISTING FOUL FLOWS INTO THE NETWORK:
- DAILY AVERAGE FOUL FLOW = 0.0 l/s
- PEAK FOUL FLOW = 0.0 l/s
ESTIMATED IMPERMEABLE SURFACES DISCHARGING INTO THE NETWORK = 805m²
ESTIMATED SURFACE FLOW IN TO THE NETWORK:
1 IN 1 YEAR = 6.58 l/s
1 IN 30 YEAR = 19.33 l/s
1 IN 100 YEAR = 29.99 l/s

FUTURE HOTEL SITE SUBJECT SEPARATED IRISH WATER SUBMISSION (REF. CDS 20002400)

PROPOSED DRAINAGE SITE PLAN LAYOUT - SHEET 8 OF 8

SCALE @ A2: 1:200
SCALE @ A3: 1:400

EXTRACT OF RESPONSIBILITIES
Construction Engineer (BMCE) is responsible for:

- Designing the Works required to service the development in accordance with Irish Water's Codes of Practice and 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 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 Commence 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 4 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-commissioned 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.

PLN	DATE	DESCRIPTION	ISSUED BY	APPROVED BY
PL1	28.05.21	DRAFT PLANNING APP.	BM	BM
PL2	30.06.21	ISSUED FOR IW APPROVAL	BM	BM
PL3	21.03.21	ISSUED FOR DCC APPROVAL	BM	BM
PL4	26.03.21	ISSUED FOR IW APPROVAL	BM	BM

BM BUREAU OF MECHANICAL ENGINEERS

120 9888 0000

ACEI ASSOCIATION OF CIVIL ENGINEERS OF IRELAND

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

PROJECT TITLE	PROJECT NO.
Holy Cross College SHD	19.253

DRAWING TITLE	MODEL REV.	SUBTILITY
PROPOSED DRAINAGE SITE PLAN LAYOUT. SHEET 8 OF 8		

DRAWING NO. **CLN-BMCE-50-ZZ-DR-C-1008-S8** DATE **PL4**