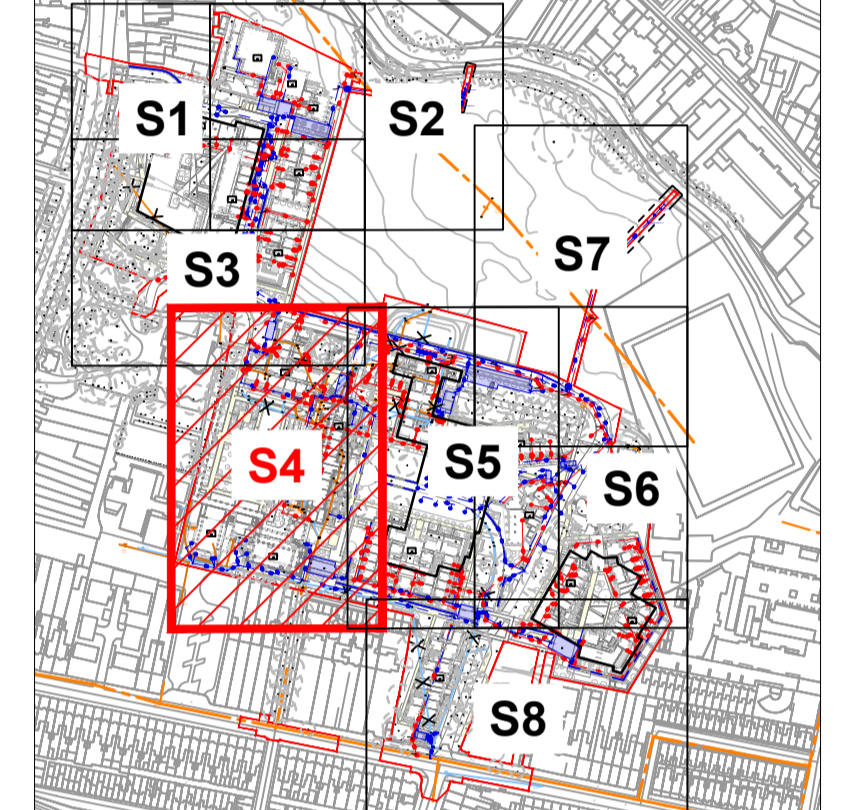


**NOTES**

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS. 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 THESE 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. THE CONTRACTOR SHALL FAMILIARISE HIMSELF WITH ALL ASPECTS OF THIS PARTICULAR SPECIFICATION WHICH SHALL BE READ IN CONJUNCTION WITH THE PARTICULAR SPECIFICATION.

**LEGEND**

- PLANNING SITE BOUNDARY**
- CIVIL LEGEND**
- EX SURFACE WATER MANHOLE
  - EX SURFACE WATER PIPE
  - EX COMBINED MANHOLE
  - EX IRISH WATER COMBINED SEWER PIPE
  - EX COMBINED PIPE (PRIVATE)
  - NEW FOUL MANHOLE
  - NEW FOUL PIPE
  - NEW SURFACE WATER MANHOLE
  - NEW SURFACE WATER PIPE
  - 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 E OF DWG. C1210)
  - NEW SOIL VENT PIPE
  - RAINFALL PIPE
  - ROAD GULLY
  - GULLY TRAP
  - ATTENUATION TANK
  - FILTER DRAIN
  - POROUS PAVEMENT
  - ROOT PROTECTION ZONE



**KEY PLAN**  
SCALE @ A0: 1:5000  
SCALE @ A2: 1:1000

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

- EXTRACT OF RESPONSIBILITIES**  
Design 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.
  - Ensuring 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 operation 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/checked design.
  - Assisting in development of the Final Documents.
  - Responding to all IRW 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 IRW Field Engineer.
  - Preparing and submitting for review to the IRW Field Engineer an Inspection and Testing Plan for the Works, in accordance with the requirements of the relevant Codes of Practice (See Appendix 5).
  - Requesting the IRW Field Engineer's attendance on site to witness all mandatory testing and commissioning of the Works - refer to Appendix 2 and Appendix 3 of this document for details of mandatory inspection 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 Engineer.
  - 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 IRW correspondence and any Non-Conformance Notices issued in a timely manner.

| PL4   | 09.08.21 | ISSUED FOR PLANNING APP. | BM       | CE      | SP       | DR        |
|-------|----------|--------------------------|----------|---------|----------|-----------|
| PL3   | 30.04.21 | ISSUED FOR I.W. APPROVAL | BM       | CE      | SP       | DR        |
| PL2   | 31.03.21 | ISSUED FOR FCC APPROVAL  | BM       | CE      | SP       | DR        |
| PL1   | 26.03.21 | ISSUED FOR I.W. APPROVAL | BM       | CE      | SP       | DR        |
| ISSUE | DATE     | DESCRIPTION              | DESIGNED | CHECKED | APPROVED | ISSUED BY |

**PLANNING**

**BM** Broun & Murray  
Consulting Engineers, Civil, Structural, Project Management. Email: info@brounandmurray.com

**ACEI** The Institution of Structural Engineers

**CLIENT**  
CWTC Multi Family ICVA acting on behalf of its sub-fund DBTR DR1 Fund

**Holy Cross College SHD** **19.253**

**POSED DRAINAGE SITE PLAN LAYOUT - SHEET 4 OF 8**  
SCALE @ A0: 1:500  
SCALE @ A2: 1:1000

| MODEL REFERENCE | MODEL REV | SUITABILITY |
|-----------------|-----------|-------------|
|                 |           |             |

**PROPOSED DRAINAGE SITE PLAN LAYOUT.**  
**SHEET 4 OF 8**

DRAWING NO: **CLN-BMCE-50-ZZ-DR-C-1008-84** ISSUE: **PL4**