



**LEGEND**

- SITE BOUNDARY
- - - PROPOSED
- - - FOUL SEWER
- FOUL SEWER MANHOLE
- - - EXISTING
- - - EXISTING FOUL SEWER

**GENERAL NOTES:**

- ALL WASTEWATER INFRASTRUCTURE DETAILS AND CONSTRUCTION TO BE IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS (PART H) AND THE FOLLOWING IRISH WATER DOCUMENTATION:
  - IR-CDS-5030-01: STANDARD DETAILS
  - IR-CDS-5030-03: CODE OF PRACTICE
  - PERMISSIBLE PIPE MATERIAL
- CONCRETE:
  - DIAMETER: SEWERS 225mm Ø AND ABOVE) SPIGOT AND SOCKET WITH RUBBER RING FITTINGS
  - STRENGTH CLASS: 120 (CRUSHING LOADS TABLE 8 BS 5911-1)
  - PIPE AND FITTINGS: SPIGOT AND SOCKET OR REBATED FORM
  - COMPLIANCE: IS EN 1916, BS5911-1 AND IS 6 OR EQUIVALENT STANDARD
- THERMOPLASTIC STRUCTURED WALL PIPES:
  - DIAMETER: SEWERS 150mm - 450mm Ø, SERVICE CONNECTIONS: 100mm Ø
  - STIFFNESS CLASS: 8kN/m<sup>2</sup>
  - JETTING RESISTANCE: 2,600 PSI (180 BAR)
  - COMPLIANCE: IS EN 13476 UNPLASTICISED PVC
  - DIAMETER: SEWERS 150mm - 450mm Ø, SERVICE CONNECTIONS: 100mm Ø
  - STIFFNESS CLASS: 8kN/m<sup>2</sup>
  - JETTING RESISTANCE: 2,600 PSI (180 BAR)
  - COMPLIANCE: IS EN 1401
- DEPTH OF COVER:
  - ROADWAYS: NOT LESS THAN 1.2m
  - PUBLIC OPEN SPACE: NOT LESS THAN 0.9m
  - PRIVATE AREAS WITH NO VEHICLE ACCESS: NOT LESS THAN 0.5m
- ALL MAIN SEWERS WITH LESS THAN COVER AS STATED ABOVE UNDER ROADS TO BE SURROUNDED IN CONCRETE AS PER IRISH WATER STANDARD DETAILS
- MANHOLE COVERS (IN ACCORDANCE WITH IS EN 124):
  - ROADWAYS & PARKING BAYS (NO HGV ACCESS): CLASS D400
  - PUBLIC FOOTPATHS: CLASS B125
- PROVIDE MANHOLE COVERS AND AJ'S WITH ARCHITECTURAL PAVING WHERE REQUIRED. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS
- ALL ACCESS JUNCTIONS TO BE IN ACCORDANCE TABLE 11 OF PART H OF THE BUILDING REGULATIONS. THEY SHALL COMPLY WITH IS EN 13598-1 AND EN 7158 AND SUITABLE FOR 150mm ID PIPEWORK.
- RISING MAIN TO BE POLYETHYLENE PIPE (HDPE / MDPE PE 80) IN COMPLIANCE WITH IS EN 12201. NOMINAL BORE DIAMETER: 80mm (TBC BY M&E ENGINEER) DEPTH OF COVER 750mm (MIN) WITH CONCRETE PROTECTION SLAB.
- CE CERTIFICATION TO BE PROVIDED FOR ALL PRODUCTS COVERED BY THE EU CONSTRUCTION PRODUCTS REGULATION (NO.3052011-CFR)
- ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE

APPLICABLE IRISH WATER STANDARD DETAILS DOCUMENT: IW-CDS-5030-01

DRAWING NO: STD-WW-03 DRAWING TITLE: DRAIN & SERVICE CONNECTION PIPEWORK

STD-WW-04 TYPICAL SEWER/SERVICE PIPE CONNECTION

STD-WW-05 TYPICAL SERVICE LAYOUT (SEPARATION DISTANCES)

STD-WW-05A SERVICE CONNECTION VERTICAL SEPARATION DISTANCES

STD-WW-06 RESTRICTIONS ON WORKS ADJACENT TO EXISTING TREES

STD-WW-06A RESTRICTIONS ON NEW TREES/SHRUBS ADJACENT TO SEWERS

STD-WW-07 TRENCH BACKFILL & BEDDING

STD-WW-08 CONCRETE BED, HAUNCH & SURROUND TO PIPES

STD-WW-10 PRE-CAST MANHOLE WITH CAST IN-SITU BASE

STD-WW-10A PRE-CAST MANHOLE WITH PRECAST BASE

STD-WW-12 BACKDROP AND CASCADE MANHOLES

STD-WW-13 INSPECTION CHAMBER

STD-WW-14 THRUST BLOCKS FOR RISING MAINS

STD-WW-17 SLUICE VALVE FOR RISING MAINS - POLYETHYLENE (P/E) PIPE

STD-WW-36 MARKER POSTS / PLATES

Client: **Comhairle Contae Átha Cliath Theas South Dublin County Council**

Architect: **MC CAULEY DAYE O'CONNELL ARCHITECTS**

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- Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.
- All Levels refer to Ordnance Survey Datum, Malin Head.

Rev	Date	Drawn	Checked	Amendment / Issue	App
A1 C01	14/03/22	PH	DW	ISSUE FOR PLANNING	CW

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Scale: 1:500 @ A1  
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Sheets: 1 OF 1

Project: **CANAL EXTENSION - CLONBURRIS**

Title: **PROPOSED FOUL DRAINAGE LAYOUT**

File Identifier: MDC0709-RPS-00-XX-DR-C-DG3002.dwg

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