



LEGEND:

SITE BOUNDARY	
PROPOSED FOUL SEWER	
PROPOSED SURFACE WATER SEWER	
EXISTING FOUL SEWER	
EXISTING SURFACE WATER SEWER	
PROPOSED CULVERT DIVERSION OF EXISTING STREAM	
EXISTING FOUL SEWER REMOVED AFTER DIVERSION	
EXISTING SURFACE WATER SEWER REMOVED AFTER DIVERSION	
6.0m IRISH WATER WAYLEAVE/EASEMENT	

- NOTES:**
- ALL LEVELS ARE TO MALIN HEAD ORDINANCE DATUM.
 - ALL FOUL DRAINAGE TO BE IN STRICT ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER.
 - ALL STORM DRAINAGE TO BE IN STRICT ACCORDANCE WITH THE GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS AND SLIGO CO CO REQUIREMENTS.
 - ALL WORKS IN CONFINED SPACES SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE PROVISIONS ON "SAFE WORK" IN CONFINED SPACES" CODE OF PRACTICE FOR WORKING IN CONFINED SPACES, PUBLISHED BY THE HEALTH & SAFETY AUTHORITY.
 - ALL SITE DEVELOPMENT WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION, INCLUDING DRAWINGS AND SPECIFICATIONS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING ALL EXISTING SERVICES WITHIN THE SITE BOUNDARY AND IN THE AREAS AFFECTED BY THE WORKS. THE ENGINEER HAS PROVIDED INFORMATION ON KNOWN SERVICES BUT GIVES NO GUARANTEE THAT THIS INFORMATION PROVIDED BY THE THIRD PARTIES, IS CORRECT OR THAT THESE ARE THE ONLY SERVICES ON THE SITE.
 - SUITABLE SHORT LENGTHS OF PIPE OR ROCKER PIPES SHALL BE INSTALLED TO PROVIDE A FLEXIBLE JOINT WITHIN 1000MM OF THE OUTER FACE OF THE MANHOLE ON ALL SEWERS AND BRANCHES.
 - WHERE ROCK IS MET IN TRENCHES IT SHALL BE EXCAVATED AND TRIMMED TO 300MM BELOW THE UNDERSIDE OF PIPELINE.
 - GRANULAR MATERIAL 5MM - 20MM NOMINAL SIZE GRADED AGGREGATE (TO COMPLY WITH TABLE 1 OF BS) TO BE USED FOR BEDDING, HAUNCHING AND SURROUND TO PIPES WHERE SPECIFIED.
 - CONCRETE MIX C16/20 TO BE USED FOR BEDDING, HAUNCHING AND SURROUND WHERE SPECIFIED.
 - WHERE RIGID PIPES WITH FLEXIBLE JOINTS ARE USED WITH CONCRETE BEDS FOR DRAINS, VERTICAL MOVEMENT JOINTS SHALL BE PROVIDED IN THE BEDS AT MAX INTERVALS OF 5.0M AND ALIGNED WITH FACE OF PIPE SOCKET. JOINTS TO BE MINIMUM 12M WIDE AND FILLED WITH FLEXCELL OR SIMILAR APPROVED MATERIAL.
 - SURFACE WATER AND FOUL DRAINS SHALL BE SURROUNDED BY 150 THICKNESS OF C16/20 CONCRETE IF COVER TO PIPE IS LESS THAN -
-1.2M IN ROADS AND DRIVEWAYS
-0.3M IN OPEN SPACES AND PATHS NOT NEAR CARRIAGEWAYS.
 - ALL PIPE RUNS SHALL BE LAID IN STRAIGHT LINES BOTH VERTICALLY AND HORIZONTALLY TO THE SPECIFIED GRADIENTS BETWEEN MANHOLES. NO DEVIATIONS OR BENDS SHALL BE PERMITTED.
 - REFER TO "THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS" FOR DETAILS OF SURFACE WATER MANHOLE STANDARDS AND IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS FOR DETAILS OF FOUL MANHOLE STANDARDS, ESPECIALLY STD-WW-09 STD-WW-11 & STD-WW-12.
 - THE CONTRACTOR SHALL CARRY OUT A CCTV SURVEY REPORT OF THE COMPLETED STORM & FOUL NETWORK TO THE SATISFACTION OF THE LOCAL AUTHORITY AND REPORT TO BE ISSUED ON PRACTICAL COMPLETION.
 - THE LOCAL AUTHORITY MUST BE NOTIFIED AT LEAST 10 WORKING DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
 - PRIOR TO COMMENCEMENT OF CONSTRUCTION OUTFALL LEVELS FOR THE FOUL AND SURFACE WATER MANHOLES SHALL BE VERIFIED ON SITE.
 - PROPOSED FOUL SEWERS WILL BE EITHER CONCRETE, THERMOSTATIC STRUCTURED WALL PIPES OR UNPLASTICISED PVC IN ACCORDANCE WITH SECTION 3.13 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE.
 - PROPOSED STORM DRAINS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF SLIGO CO. CO (PROPOSED SW SEWERS 300mm IN DIAMETER OR LARGER TO BE CONCRETE IS EN 1916(2002), THERMOSTATIC STRUCTURED WALL PIPES (TWIN WALL) TO PIPE DIAMETERS 100mm, 150mm, 225mm OR uPVC SWS PIPEWORK (OR SIMILAR APPROVED).
 - TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) AS PER IRISH WATER DETAIL STD-WW-05.
 - THE EXTERNAL FACE OF PROPOSED MANHOLE CHAMBERS IN PUBLIC ROADS WILL BE A MINIMUM OF 0.5M FROM THE PROPOSED PUBLIC ROAD KERB LINE IN ACCORDANCE WITH SECTION 1.23 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE.
 - INSPECTION CHAMBERS TO EACH HOUSE/UNIT TO BE IN ACCORDANCE WITH IRISH WATER DETAIL STD-WW-02 AND STD-WW-03. MAXIMUM DEPTH TO IL 1.2M.
 - APPROPRIATE MEASURES ADHERING TO SECTION 3.21 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE WILL BE PROVIDED TO DRAINAGE INFRASTRUCTURE IN CLOSE PROXIMITY TO PLANTING TO PREVENT ANY DAMAGE TO INFRASTRUCTURE VIA ROOT INGRESS OR NEGATIVE IMPACTS TO PLANTING SUCH AS DAMAGE OF TREE ROOTS.
 - CONNECTIONS FROM ACCESS/MAIN ROAD GULLIES TO BE 150mm uPVC SWS CLASS PIPEWORK (OSA, SEE GOR CODE OF PRACTICE FOR ALTERNATIVES).
 - COLLECTOR/PERIPHERAL STORM LINES (i.e. PRIVATE DRAINAGE) AROUND UNITS TO BE 150mm MINIMUM uPVC SWS PIPEWORK (OSA). STORM CONNECTIONS TO MAIN DRAINAGE NETWORK TO BE 150mm uPVC SWS PIPEWORK (OSA, SEE GOR CODE OF PRACTICE FOR ALTERNATIVES).

INFORMATION ONLY
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Rev. No.	Date	REVISION NOTE	Des. By	Chkd. By
P1	2023.09.26	PETROL INTERCEPTOR ADDED	AB	GL
P2	2024.01.09	REVISED SITE LAYOUT	AB	GL

Architect	REDDY ARCHITECTURE & URBANISM
Project	DEVELOPMENT AT BENSON COURT CRANMORE, SLIGO TOWN
Title	Proposed Drainage Layout
Dwg. No.	R119-CSC-01-XX-DR-C-0007
Date	FEB 2023
Des. By	AB
Chkd. By	GL
Appr. by	NB
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Quality
Environment I.S. EN ISO 9001:2008
Energy I.S. EN ISO 14001:2004
Health & Safety I.S. EN ISO 50001:2011
OHSA 18001:2007



LEGEND

EXISTING PUBLIC WATERMANS	---
PROPOSED 1500 WATERMANS	---
PROPOSED 1000 WATERMANS	---
PROPOSED EASEMENT	---
EXISTING TO BE DECOMMISSIONED	---
SLUCE VALVE TO IRISH WATER STANDARD DETAIL STD-W-15	S.V.
AIR VALVE TO IRISH WATER STANDARD DETAIL STD-W-22	A.V.
ON-LINE/OFF-LINE HYDRANT TO IRISH WATER STANDARD DETAILS STD-W-18 AND STD-W-19	⊕
SCOUR VALVE TO IRISH WATER STANDARD DETAIL STD-W-30	S.C.V.
BULK METER TO IRISH WATER STANDARD DETAIL STD-W-26	B.M.
PROPOSED BOUNDARY BOX	B
PROPOSED SCOUR CHAMBER	Sc.C

- NOTES:**
- All pipe work, valves, chambers, network arrangements and all associated watermain works to be in accordance with Irish Water Codes of Practice Document COS-020-03 and the respective Standard Details.
 - All new watermain material shall be PE100SD17 Fusion Welded in accordance with Section 3.9 of the Irish Water Code of Practice.
 - All manholes in grassed areas to have 200mm wide x 100mm deep concrete girth/kerb cast to their perimeter to ensure they are not overgrown. Concrete to be grade C20/25.
 - Meters for apartments and similar properties shall be installed internally within the premises in accordance with the Building Control Authority's requirements and subject to review by Irish Water as per section 3.15.2 of the Code of Practice.
 - Proposed watermains to be located a minimum of 300mm from the wastewater infrastructure in accordance with section 3.5.18 of the 3.15.18 of the Irish Water Wastewater Code of Practice.
 - The location of the bulk meter, valves and hydrants shall be designed in accordance with section 3.15.4 of the Irish Water Code of practice.
 - Note the Fire Safety Certificate has not been completed yet, but as part of this development, it is confirmed that hydrants shall not be located any more than 46m from any part of the development.
 - All watermain works to be taken in charge to be tested in accordance with Irish Water Code of Practice Section 4.10.
 - Contractor to review Irish Water Specifications and Requirements prior to commencement of any works.
 - Contractor to review Irish Water QA Field Inspection Requirements Manual prior to commencement of any works.
 - Marker posts across the development site to be in accordance with Section 3.23 of the Irish Water Code of Practice and Standard Detail STD-W-27. Locations of marker posts to be agreed with the IW Field Engineer on site.
 - Anchor Thrust blocks to be in accordance with Section 4.6 of the Irish Water Code of Practice and Standard Detail STD-W-28.

R119

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Project	DEVELOPMENT AT BENSON COURT CRANMORE, SLIGO TOWN
Title	Proposed Watermain Layout
Dwg. No.	R119-CSC-01-XX-DR-C-0008
Date	FEB 2023
Dim by	AB
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