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:

1. ALL LEVELS ARE TO MALIN HEAD ORDNANCE DATUM.
2. ALL FOUL DRAINAGE TO BE IN STRICT ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER
3. ALL STORM DRAINAGE TO BE IN STRICT ACCORDANCE WITH THE GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS AND SLIGO CO CO REQUIREMENTS
4. 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.
5. ALL SITE DEVELOPMENT WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
6. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION, INCLUDING DRAWINGS AND SPECIFICATIONS.
7. 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.
8. 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.
9. WHERE ROCK IS MET IN TRENCHES IT SHALL BE EXCAVATED AND TRIMMED TO 300MM BELOW THE UNDERSIDE OF PIPELINE.
10. GRANULAR MATERIAL 5MM – 20MM NOMINAL SIZE GRADED AGGREGATE (TO COMPLY WITH TABLE 1 OF B5) TO BE USED FOR BEDDING, HAUNCHING AND SURROUND TO PIPES WHERE SPECIFIED.
11. CONCRETE MIX C16/20 TO BE USED FOR BEDDING, HAUNCHING AND SURROUND WHERE SPECIFIED.
12. 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.
13. 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
    - –0.9M IN OPEN SPACES AND PATHS NOT NEAR CARRIAGEWAYS.
14. 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.
15. 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
16. 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.
17. THE LOCAL AUTHORITY MUST BE NOTIFIED AT LEAST 10 WORKING DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
18. PRIOR TO COMMENCEMENT OF CONSTRUCTION OUTFALL LEVELS FOR THE FOUL AND SURFACE WATER MANHOLES SHALL BE VERIFIED ON SITE.
19. PROPOSED FOUL SEWERS WILL BE EITHER CONCRETE, THERMOSTATIC STRUCTURED WALLED PIPES OR UNPLASTICISED PVC IN ACCORDANCE WITH SECTION 3.13 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE.
20. PROPOSED STORM DRAINS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF SLIGO CO. CO.(PROPOSED SW SEWERS 300mmø IN DIAMETER OR LARGER TO BE CONCRETE IS EN 1916(2002), THERMOSTATIC STRUCTURED WALLED PIPES (TWIN WALL) TO PIPE DIAMETERS 100mmø, 150mmø, 225mmø OR uPVC SN8 PIPEWORK (OR SIMILAR APPROVED).
21. TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) AS PER IRISH WATER DETAIL STD-WW-05
22. 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
23. 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.
24. 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
25. CONNECTIONS FROM ACCESS/MAIN ROAD GULLIES TO BE 150mmø uPVC SN8 CLASS PIPEWORK (OSA, SEE GDR CODE OF PRACTICE FOR ALTERNATIVES). CONNECTIONS FROM PRIVATE GULLIES AND ACO-DRAINS ETC TO BE 100mmø uPVC SN4 PIPEWORK.
26. COLLECTOR/PERIPHERAL STORM LINES (i.e. PRIVATE DRAINAGE) AROUND UNITS TO BE 150mmø MINIMUM uPVC SN4 PIPEWORK (OSA). STORM CONNECTIONS TO MAIN DRAINAGE NETWORK TO BE 150mmø uPVC SN8 PIPEWORK (OSA, SEE GDR CODE OF PRACTICE FOR ALTERNATIVES)

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Rev. No.	Date	REVISION NOTE	Drn. 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 GELDOF DRIVE CRANMORE, SLIGO TOWN
Title	Proposed Drainage Layout
Dwg. No.	R119-CSC-02-XX-DR-C-0007

Date	Drn by	Chkd by	Aprvd by	Scale	Revision
FEB 2023	AB	GL	NB	1:250 @ A1	P2

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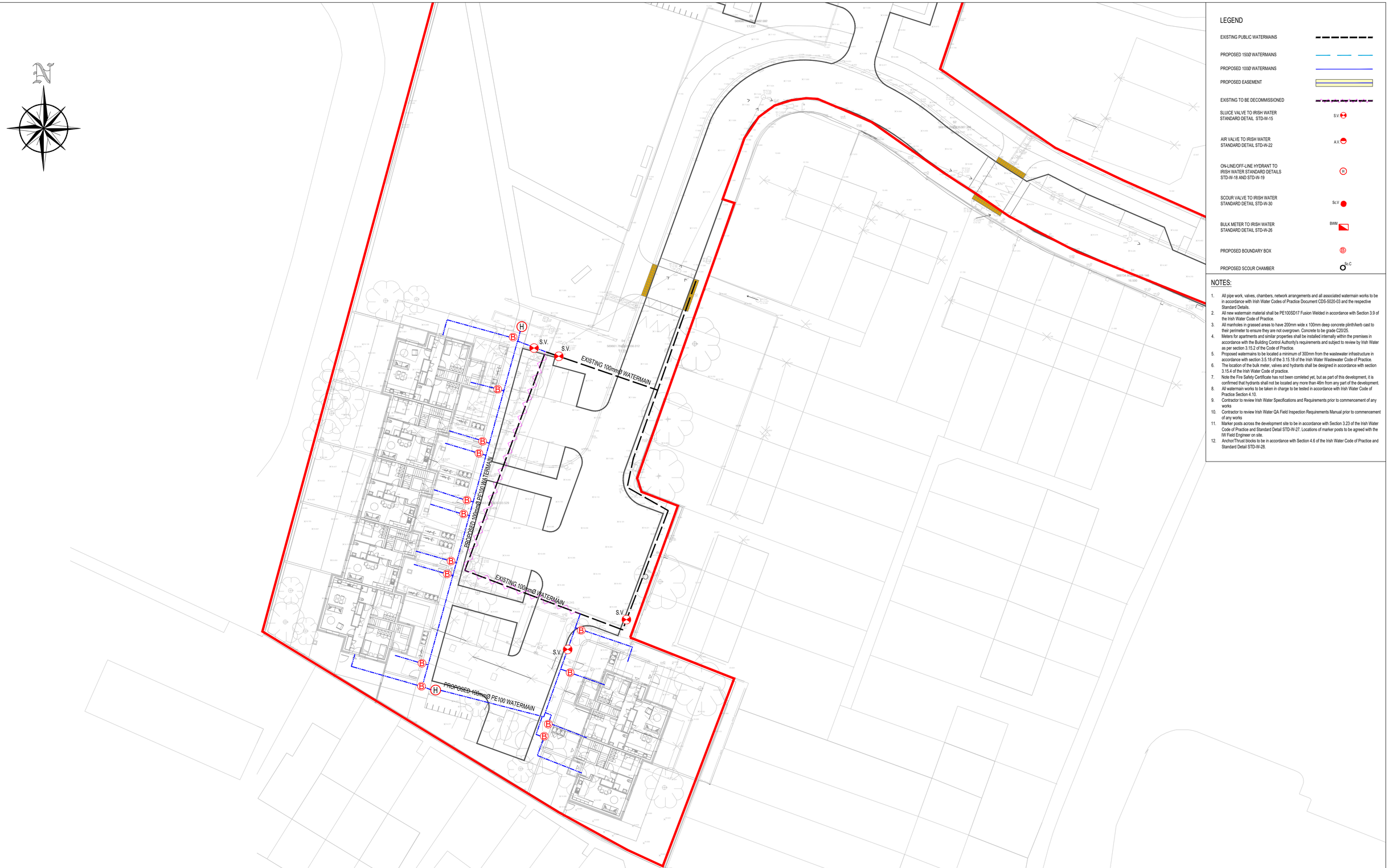

LEGEND

- EXISTING PUBLIC WATERMAINS
- PROPOSED 150Ø WATERMAINS
- PROPOSED 100Ø WATERMAINS
- PROPOSED EASEMENT
- EXISTING TO BE DECOMMISSIONED
- SLUICE 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 — H
- SCOUR VALVE TO IRISH WATER STANDARD DETAIL STD-W-30 — Sc.V
- BULK METER TO IRISH WATER STANDARD DETAIL STD-W-28 — BWM
- PROPOSED BOUNDARY BOX — B
- PROPOSED SCOUR CHAMBER — Sc.C

NOTES:

1. All pipe work, valves, chambers, network arrangements and all associated watermain works to be in accordance with Irish Water Codes of Practice Document CDS-5020-03 and the respective Standard Details.
2. All new watermain material shall be PE100SD17 Fusion Welded in accordance with Section 3.9 of the Irish Water Code of Practice.
3. All manholes in grassed areas to have 200mm wide x 100mm deep concrete plinth/kerb cast to their perimeter to ensure they are not overgrown. Concrete to be grade C20/25.
4. 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.
5. 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.
6. 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.
7. Note the Fire Safety Certificate has not been comleted 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.
8. All watermain works to be taken in charge to be tested in accordance with Irish Water Code of Practice Section 4.10.
9. Contractor to review Irish Water Specifications and Requirements prior to commencement of any works
10. Contractor to review Irish Water QA Field Inspection Requirements Manual prior to commencement of any works
11. 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.
12. Anchor/Thrust blocks to be in accordance with Section 4.6 of the Irish Water Code of Practice and Standard Detail STD-W-28.

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Rev. No.	Date	REVISION NOTE	Dm. By	Chkd. By
P1	2024.01.09	REVISED SITE LAYOUT	AB	GL

Architect	REDDY ARCHITECTURE & URBANISM
Project	DEVELOPMENT AT GELDOF DRIVE CRANMORE, SLIGO TOWN
Title	Proposed Watermain Layout
Dwg. No.	R119-CSC-02-XX-DR-C-0008

Date	Drn by	Chkd by	Aprvd by	Scale	Revision
FEB 2023	AB	GL	NB	1:250 @ A1	P1

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