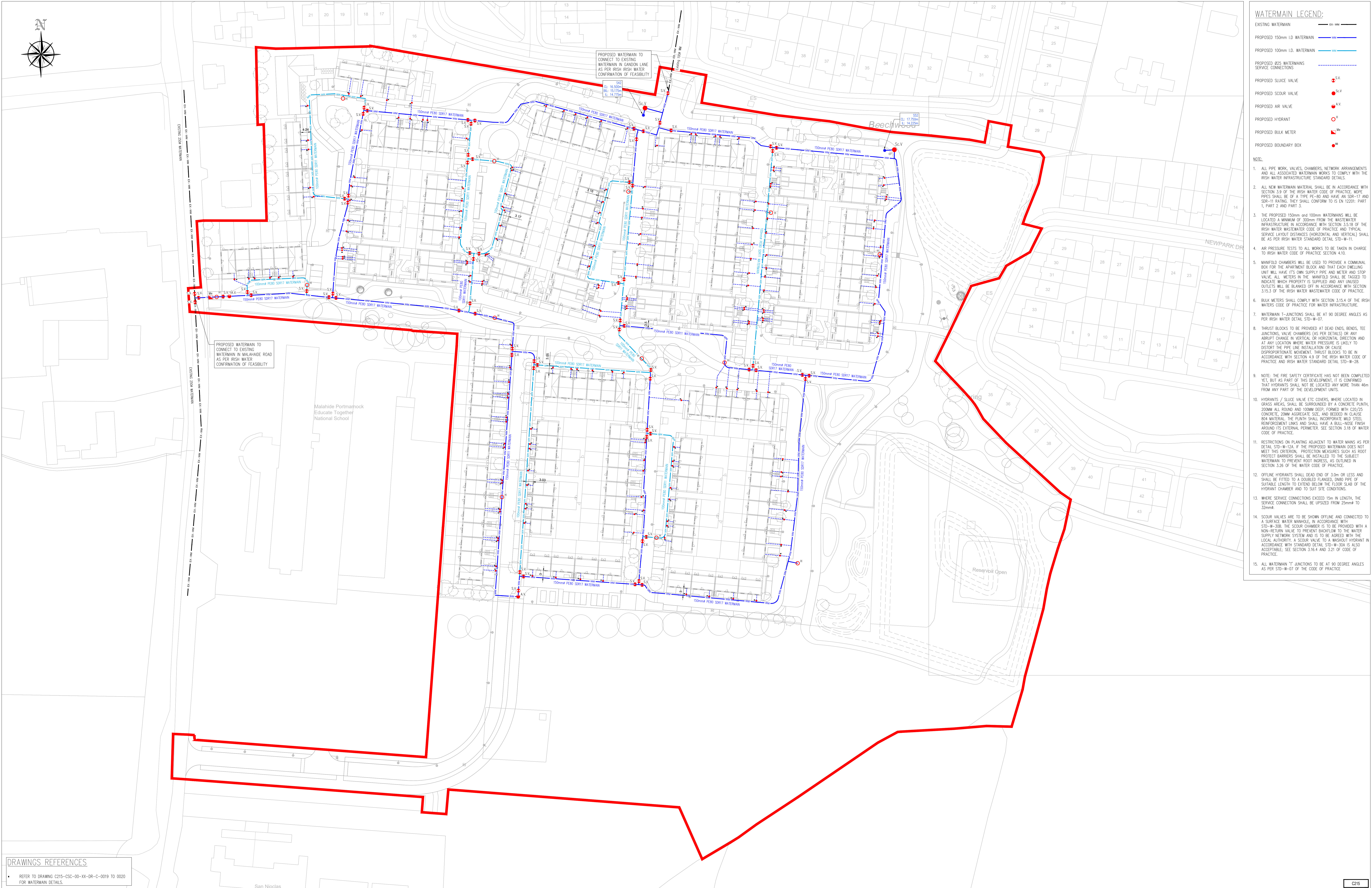




- WATERMAIN LEGEND:**
- EXISTING WATERMAIN — EX - WM —
- PROPOSED 150mm I.D. WATERMAIN — 150 —
- PROPOSED 100mm I.D. WATERMAIN — 100 —
- PROPOSED Ø25 WATERMAINS SERVICE CONNECTIONS — Ø25 —
- PROPOSED SLUICE VALVE — S.V. —
- PROPOSED SCOUR VALVE — Sc.V. —
- PROPOSED AIR VALVE — A.V. —
- PROPOSED HYDRANT — H. —
- PROPOSED BULK METER — Me. —
- PROPOSED BOUNDARY BOX — B. —

- NOTE:**
- ALL PIPE WORK, VALVES, CHAMBERS, NETWORK ARRANGEMENTS AND ALL ASSOCIATED WATERMAIN WORKS TO COMPLY WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS.
  - ALL NEW WATERMAIN MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF THE IRISH WATER CODE OF PRACTICE. MOPE PIPES SHALL BE OF A TYPE PE-80 AND HAVE AN SDR-17 AND SDR-11 RATING. THEY SHALL CONFORM TO IS EN 12201-1, PART 2 AND PART 3.
  - THE PROPOSED 150mm and 100mm WATERMAINS WILL BE LOCATED A MINIMUM OF 300mm FROM THE WASTEWATER INFRASTRUCTURE IN ACCORDANCE WITH SECTION 3.5.10 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE AND TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) SHALL BE AS PER IRISH WATER STANDARD DETAIL STD-W-11.
  - AIR PRESSURE TESTS TO ALL WORKS TO BE TAKEN IN CHARGE TO IRISH WATER CODE OF PRACTICE SECTION 4.10.
  - MANHOLE CHAMBERS WILL BE USED TO PROVIDE A COMMUNAL BOX FOR THE APARTMENT BLOCK AND THAT EACH DWELLING UNIT WILL HAVE ITS OWN SUPPLY PIPE AND METER AND STOP VALVE. ALL METERS IN THE MANHOLE SHALL BE TAGGED TO INDICATE WHICH PROPERTY IS SUPPLIED AND ANY UNUSED OUTLETS WILL BE BLANKED OFF IN ACCORDANCE WITH SECTION 3.15.3 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE.
  - BULK METERS SHALL COMPLY WITH SECTION 3.15.4 OF THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
  - WATERMAIN T-JUNCTIONS SHALL BE AT 90 DEGREE ANGLES AS PER IRISH WATER DETAIL STD-W-07.
  - THRUST BLOCKS TO BE PROVIDED AT DEAD ENDS, BENDS, TEE JUNCTIONS, VALVE CHAMBERS (AS PER DETAILS) OR ANY ABRUPT CHANGE IN VERTICAL OR HORIZONTAL DIRECTION AND AT ANY LOCATION WHERE WATER PRESSURE IS LIKELY TO DISTORT THE PIPE LINE INSTALLATION OR CAUSE DISPROPORTIONATE MOVEMENT. THRUST BLOCKS TO BE IN ACCORDANCE WITH SECTION 4.8 OF THE IRISH WATER CODE OF PRACTICE AND IRISH WATER STANDARD DETAIL STD-W-28.
  - NOTE: THE FIRE SAFETY CERTIFICATE HAS NOT BEEN COMPLETED YET, BUT AS PART OF THIS DEVELOPMENT, IT IS COVERED THAT HYDRANTS SHALL NOT BE LOCATED ANY MORE THAN 40m FROM ANY PART OF THE DEVELOPMENT UNITS.
  - HYDRANTS / SLUICE VALVE ETC COVERS, WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY A CONCRETE PUNTH, 200MM ALL ROUND AND 100MM DEEP, FORMED WITH C20/25 CONCRETE, 20MM AGGREGATE SIZE, AND BEDDED IN CLAUSE 804 MATERIAL. THE PUNTH SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BULL-NOSE FINISH AROUND ITS EXTERNAL PERIMETER. SEE SECTION 3.18 OF WATER CODE OF PRACTICE.
  - RESTRICTIONS ON PLANTING ADJACENT TO WATER MAINS AS PER DETAIL STD-W-12A. IF THE PROPOSED WATERMAIN DOES NOT MEET THIS CRITERION, PROTECTION MEASURES SUCH AS ROOT PROTECT BARRIERS SHALL BE INSTALLED TO THE SUBJECT WATERMAIN TO PREVENT ROOT INGRESS, AS OUTLINED IN SECTION 3.26 OF THE WATER CODE OF PRACTICE.
  - OFFLINE HYDRANTS SHALL DEAD END OF 3.0m OR LESS AND SHALL BE FITTED TO A DOUBLED PLANED, DWSO PIPE OF SUITABLE LENGTH TO EXTEND BELOW THE FLOOR SLAB OF THE HYDRANT CHAMBER AND TO SUIT SITE CONDITIONS.
  - WHERE SERVICE CONNECTIONS EXCEED 15m IN LENGTH, THE SERVICE CONNECTION SHALL BE UPSIZED FROM 25mmØ TO 32mmØ.
  - SCOUR VALVES ARE TO BE SHOWN OFFLINE AND CONNECTED TO A SURFACE WATER MANHOLE, IN ACCORDANCE WITH STD-W-30B. THE SCOUR CHAMBER IS TO BE PROVIDED WITH A NON-RETURN VALVE TO PREVENT BACKFLOW TO THE WATER SUPPLY NETWORK SYSTEM AND IS TO BE AGREED WITH THE LOCAL AUTHORITY. A SCOUR VALVE TO A WASHOUT HYDRANT IN ACCORDANCE WITH STANDARD DETAIL STD-W-30A IS ALSO ACCEPTABLE; SEE SECTION 3.16.4 AND 3.21 OF CODE OF PRACTICE.
  - ALL WATERMAIN T JUNCTIONS TO BE AT 90 DEGREE ANGLES AS PER STD-W-07 OF THE CODE OF PRACTICE.

**DRAWINGS REFERENCES**

- REFER TO DRAWING C215-CSC-00-XX-DR-C-0019 TO 0020 FOR WATERMAIN DETAILS.

**PLANNING DRAWING.**  
**NOT FOR CONSTRUCTION.**  
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RELATIVE TO ORDNANCE DATUM.  
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION  
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**NOTES**

- For setting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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| Rev. No. | Date       | REVISION NOTE      | Des. By | Chk. By | Architect      | Project                                                    | Title                     | Chp. No.               |
|----------|------------|--------------------|---------|---------|----------------|------------------------------------------------------------|---------------------------|------------------------|
| P1       | 31.01.2025 | URG PLANNING ISSUE | AB      | GL      | CKK ARCHITECTS | Development at Former Teagasc Lands<br>Kinsale, Co. Dublin | Proposed Watermain Layout | C215-CSC-00-XX-DR-0012 |
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