



**LEGEND:**

PROPOSED 100mmØ HDPE WATER MAIN (STD-W-11 / 13)	WM - 100	WM - 100
PROPOSED 150mmØ HDPE WATERMAIN (STD-W-11 / 13)	WM - 150	WM - 150
FIRE HYDRANT COVERAGE AREA		
PROPOSED 25mmØ SERVICE CONNECTION	25	25
PROPOSED BULK METER (STD-W-26 / 26A)		BB
PROPOSED FIRE HYDRANT (STD-W-18 / 19)		FH
PROPOSED SLUICE VALVE (STD-W-15)		SV
PROPOSED SCOUR VALVE (STD-W-30)		ScV
PROPOSED WASHOUT HYDRANT (STD-W-30A)		WO
PROPOSED AIR VALVE (STD-W-22)		AV
PROPOSED BOUNDARY BOX (STD-W-03)		BB

- NOTES**
1. ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
  2. REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
  3. REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
  4. ALL WATER INFRASTRUCTURE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE, THE SITE DEVELOPMENT SPECIFICATION AND TO THE LOCAL AUTHORITY'S SATISFACTION.
  5. THE DEPTH OF COVER, FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE WATERMAIN SHALL TYPICALLY BE 1200mm, WITH A MINIMUM DEPTH OF 900mm TO COMPLY WITH REQUIREMENTS OF 3-11 OF IRISH WATER CODE OF PRACTICE.
  6. SERVICE CONNECTIONS SHALL HAVE A DESIRABLE MINIMUM DEPTH OF 750mm TO BE IN ACCORDANCE WITH STD-W-02 / 03.
  7. AIR VALVES TO BE PROVIDED AT ALL HIGH POINTS IN NEW WATER MAIN.
  8. SCOUR VALVES TO BE LOCATED AT ALL SAG POINTS IN NEW WATER MAIN.
  9. MARKER PLATES, IN ACCORDANCE WITH IRISH WATER REQUIREMENTS, TO BE PROVIDED FOR ALL NEW WATERMAIN FITTINGS.
  10. ANCHOR/THRUST BLOCKS SHALL BE PROVIDED ON WATER MAINS AT DEAD ENDS, AT TEE JUNCTIONS, AT BENDS OF CURVATURE GREATER THAN 11.25 DEGREES, AT END CAPS, AT BOTH SIDES OF SLUICE VALVE CHAMBERS, AT 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 TO BE IN ACCORDANCE WITH STD-W-28.
  11. PLASTIC AND POLYETHYLENE PIPES SHALL BE WRAPPED IN PLASTIC SHEETING HAVING A COMPOSITION IN ACCORDANCE WITH BS 6076 BEFORE BEING CAST AGAINST OR INTO ANCHOR/THRUST BLOCKS.
  12. THE CONTRACTOR IS TO VERIFY DEPTH AT PROPOSED CONNECTION TO EXISTING NETWORK, PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
  13. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED WATERMAIN NETWORK - BY INTRUSIVE INVESTIGATION OR EQUAL.
  14. WATER MAIN "T" JUNCTIONS TO BE IN ACCORDANCE WITH THE STANDARD DETAIL STD-W-07.
  15. METERS SHALL BE SUPPLIED AND FITTED BY IRISH WATER AND INSTALLED IN METER BOUNDARY BOXES OR METER CHAMBERS TO IRISH WATER REQUIREMENTS AND BE COMATABLE WITH THE AUTOMATIC METER READING (AMR) SYSTEM.

- 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.
- DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
- NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF O'CONNOR SUTTON CRONIN AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED.

Rev No.	Date	Revision Note	Drn by	Chkd by
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P02	19.03.21	SUITABLE FOR PLANNING	AB	DR

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Client: GALWAY CITY COUNCIL  
Project: HOUSING AT MERLIN PARK  
MERLIN PARK, GALWAY  
Title: WATERMAIN LAYOUT

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision  
G477 | OCSC | XX | XX | DR | C | 0550 | S4 | P02

Date: DEC'20 Scale: 1:500 @ A1 Drn by: AB Chkd by: DR Aprvd by: AH

**PLANNING DRAWING.**  
NOT FOR CONSTRUCTION.  
ALL LEVELS GIVEN ARE  
RELATIVE TO ORDNANCE DATUM.  
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION  
PURPOSES ONLY AND MUST NOT BE USED  
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