



- LEGEND:**
- PROPOSED 200mmØ HDPE WATER MAIN (STD-W-11 / 13) — WM-200
  - PROPOSED 150mmØ HDPE WATER MAIN (STD-W-11 / 13) — WM-150
  - PROPOSED 100mmØ HDPE WATERMAIN (STD-W-11 / 13) — WM-100
  - EXISTING WATERMAIN TO BE DECOMMISSIONED — EX-WM
  - EXISTING WATERMAIN (FROM TOPO SURVEY) — EX-WM
- FIRE HYDRANT COVERAGE AREA**
- PROPOSED BULK METER (STD-W-26 / 26A) M
  - PROPOSED FIRE HYDRANT - STD-W-18) FH
  - PROPOSED SLUICE VALVE (STD-W-15) SV
  - PROPOSED BOUNDARY BOX (STD-W-03) BB

- NOTES**
1. ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MAIN HEAD.
  2. REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
  3. REFER TO M&E DESIGN FOR CONNECTION TO WATER STORAGE TANKS, AND INTERNAL DISTRIBUTION AND METERING ARRANGEMENTS.
  4. REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
  5. DECOMMISSIONING WORKS OF EXISTING INFRASTRUCTURE SUBJECT TO CONFIRMATION OF ALL CONNECTIONS BEING REDUNDANT. ANY LIVE SERVICE CONNECTIONS SHALL REQUIRE ADDITIONAL INFRASTRUCTURE, IN ORDER TO MAINTAIN SERVICE.
  6. 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.
  7. 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.
  8. SERVICE CONNECTIONS SHALL HAVE A DESIRABLE MINIMUM DEPTH OF 750mm TO BE IN ACCORDANCE WITH STD-W-02 / 03.
  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 COMPATIBLE WITH THE AUTOMATIC METER READING (AMR) SYSTEM.

**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  
 FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

**INSET A 1:500**

ORDNANCE SURVEY OF IRELAND LICENCE NO. EN0000821 © GOVERNMENT OF IRELAND

- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING IS 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.
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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	02.06.21	SUITABLE FOR INFORMATION	AB	MK
P02	16.06.2022	SUITABLE FOR INFORMATION	MK	IC
P03	22.09.22	SUITABLE FOR PLANNING	EH	MK

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Client: DUBLIN CITY COUNCIL  
 Project: PROPOSED DEVELOPMENT AT EMMETT ROAD

Title: WATERMAIN DESIGN LAYOUT

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
B967	OCSC	ZZ	GF	DR	C	0550	S4	P03

Date: MAY'21 Scale: 1:500 @ A1 Drn by: AB Chkd by: MK Aprvd by: AH