PROPOSED DN100 PE WATERMAIN — PR - WM

PROPOSED DN150 PE WATERMAIN — PR - WM

PROPOSED DN200 PE WATERMAIN — PR - WM

PROPOSED SERVICE CONNECTION (25mmØ OD PE PIPE)

PROPOSED SLUICE VALVE (AS IRISH WATER STD-W-14[DI] / 15[PE]) — SV

PROPOSED FIRE HYDRANT (AS IRISH WATER STD-W-16[ON-DI] / 17[OFF-DI] / 18[ON-PE] / 19[OFF-PE]) — FH

PROPOSED AIR VALVE (AS IRISH WATER STD-W-20[ON-DI] / 21[OFF-DI] / 22[ON-PE] / 23[OFF-PE]) — AV

PROPOSED BULK METER (AS IRISH WATER STD-W-26[ELECTROMAGNETIC METER] / 26A[MECH. METER]) — Me

RADIUS OF 46m FROM THE FIRE HYDRANT

EXISTING DNØ "MATERIAL" WATERMAIN — EX - WM

GENERAL 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. LOCATION OF EXISTING WATERMAIN INFRASTRUCTURE IS INDICATIVE ONLY, AND BASED ON BEST AVAILABLE INFORMATION AT TIME OF DESIGN. CONTRACTOR RESPONSIBLE FOR LOCATION AND EXISTING WATERMAIN ON SITE, BY INTRUSIVE INVESTIGATION OR OTHERWISE. ANY CONFLICT WITH EXISTING RECORDS TO BE MADE KNOWN TO ENGINEER, WITH PROVISION PROVIDED FOR ADEQUATE PROTECTION MEASURES AND/OR DIVERSION, SHOULD IT BE REQUIRED DUE TO CONFLICT WITH DEVELOPMENT.
5. ALL WATER INFRASTRUCTURE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE (REVISION 2 - JULY 2020), THE SITE DEVELOPMENT SPECIFICATION AND TO THE LOCAL AUTHORITY'S SATISFACTION.
6. 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.
7. SERVICE CONNECTIONS SHALL HAVE A DESIRABLE MINIMUM DEPTH OF 750mm TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-02/03.
8. TYPICAL SERVICE LAYOUT DISTANCES, HORIZONTALLY AND VERTICALLY, TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-11.
9. AIR VALVES TO BE PROVIDED AT ALL HIGH POINTS IN NEW WATERMAIN ROUTE.
10. SCOUR VALVES TO BE LOCATED AT ALL SAG POINTS IN NEW WATERMAIN ROUTE.
11. MARKER PLATES, IN ACCORDANCE WITH IRISH WATER REQUIREMENTS, TO BE PROVIDED FOR ALL NEW WATERMAIN FITTINGS.
12. ANCHOR/THRUST BLOCKS SHALL BE PROVIDED ON WATERMAINS AT DEAD ENDS, AT TEE JUNCTIONS, AT BENDS OF CURVATURE GREATER THAN 11.25°, AT END CAPS, AT 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 IRISH WATER STANDARD DETAIL STD-W-28.
13. PLASTIC OR 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.
14. 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.
15. THE CONTRACTOR IS RESPONSIBLE FOR INFORMATION OF PRESENCE TO EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED WATERMAIN NETWORK - BY INTRUSIVE INVESTIGATION OR EQUAL.
16. WATERMAIN "T" JUNCTIONS TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-05/06/07.
17. METER 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.
18. FIRE CONSULTANTS TO ADVISE OF ANY ADDITIONAL WATERMAIN AND FITTINGS REQUIREMENTS FOR FIRE SAFETY PURPOSES.
19. AIR VALVE AND HYDRANTS COVERS, WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY A CONCRETE PLINTH, 200MM ALL ROUND AND 100MM DEEP, FORMED WITH C20/25 CONCRETE, 20MM AGGREGATE SIZE, AND BEDDED IN CLAUSE 804 MATERIAL. THE PLINTH 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
20. IF PLANTING ADJACENT TO WATER MAINS IS NOT AS PER DETAIL STD-W-12A, ROOT BARRIER TO BE PROVIDED (BY GREENLEAF IRELAND OR SIMILAR APPROVED)

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

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- 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	Drn by	Chkd by
P01	23/07/21	SUITABLE FOR INFORMATION	RM	SMcG
P02	17/09/21	SUITABLE FOR INFORMATION	RM	DR
P03	04/10/21	SUITABLE FOR STAGE APPROVAL	RM	DR
P04	22/10/21	SUITABLE FOR STAGE APPROVAL	RM	DR
P05	25/04/22	SUITABLE FOR STAGE APPROVAL	ZB	MK
P06	18/05/22	SUITABLE FOR STAGE APPROVAL	ZB	MK
P07	20/05/22	SUITABLE FOR STAGE APPROVAL	ZB	MK

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Client: BEO PROPERTIES LIMITED
Project: RATOATH SOUTH SHD

Title: PROPOSED WATERMAIN LAYOUT
SHEET 1 OF 4

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
L308	OCSC	XX	XX	DR	C	0551	S4	P07

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