

PROPOSED WATERMAIN ROUTE CONTINUED
SCALE: 1:2000

CONNECTION TO PUBLIC
WATERMAIN ON GRIFFITH COURT.
UPGRADES TO THE WATERMAIN
REQUIRED AS PER IW COF

BULK FLOW METER FOR FIRE MAIN
WITH ASSOCIATED TELEMTRY
AND CHECK VALVE AS PER IW
STANDARDS

BULK FLOW METER IN
ACCORDANCE WITH IRISH WATER
STANDARD DETAIL STD-W-26

NOTES

- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
- REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
- REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
- ALL WATER INFRASTRUCTURE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE, THE SITE DEVELOPMENT SPECIFICATION AD TO THE LOCAL AUTHORITY'S SATISFACTION.
- 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.
- SERVICE CONNECTIONS SHALL HAVE A DESIRABLE MINIMUM DEPTH OF 750mm.
- AIR VALVES TO BE PROVIDED AT ALL HIGH POINTS IN NEW WATERMAIN.
- SCOUR VALVES TO BE LOCATED AT ALL SAG POINTS IN NEW WATERMAIN.
- MARKER PLATES, IN ACCORDANCE WITH IRISH WATER REQUIREMENTS, TO BE PROVIDED FOR ALL NEW WATERMAIN FITTINGS.
- 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.
- PLASTIC AND POLYETHYLENE PIPES SHALL BE WRAPPED IN PLASTIC SHEETING HAVING A COMPOSITION IN ACCORDANCE WITH BS 6078, BEFORE BEING CAST AGAINST OR INTO ANCHOR/THRUST BLOCKS.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED WATERMAIN NETWORK - BY INTRUSIVE INVESTIGATION OR EQUAL.
- ISOLATION DEVICE SHALL BE PROVIDED ON ALL BOOSTED WATER SUPPLY SYSTEMS USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION.

LEGEND:

- PROPOSED DN100mm HDPE SDR17 WATERMAIN ———
- PROPOSED DN100mm HDPE SDR17 WATERMAIN — PR - WM — PR - WM
- PROPOSED DN150mm HDPE SDR17 WATERMAIN — PR - WM — PR - WM
- PROPOSED DN200mm HDPE SDR17 WATERMAIN — PR - WM — PR - WM
- PROPOSED FIRE HYDRANT (AS IRISH WATER STD-W-16/17/18/19) FH •
- RADIUS OF 46m FROM THE FIRE HYDRANT
- EXISTING DNØ "MATERIAL" WATERMAIN (AS SOURCE FROM RECORDS) — EX - WM — EX - WM — EX - WM
- PROPOSED SLUICE VALVE (STD-W-07) SV
- PROPOSED BULK METER (AS IRISH WATER STD-W-26[ELECTROMAGNETIC METER] / 26A[MECH. METER]) Me

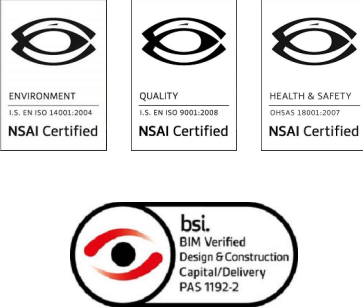
PLANNING DRAWING.
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ALL LEVELS GIVEN ARE
RELATIVE TO ORDNANCE DATUM.
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- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	23.09.22	SUITABLE FOR INFORMATION	MKo	DR
P02	19.10.22	SUITABLE FOR STAGE APPROVAL	BC	MKo
P03	27.02.23	SUITABLE FOR PLANNING	BC	MKo
P04	01.03.23	REVISED AS PER IW COMMENTS	MKo	MKo
P05	23.03.23	REVISED RED LINE BOUNDARY	MKo	MKo

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Client: ST. VINCENT'S HOSPITAL FAIRVIEW
Project: ST. VINCENT'S HOSPITAL
FAIRVIEW REDEVELOPMENT
Title: PROPOSED WATERMAIN LAYOUT
SHEET 3 OF 3

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
R517	OCSC	XX	XX	DR	C	0552	S4	P05
Date: SEP'22 Scale: 1:500 @ A1 Drn by:MKo Chkd by:DR Aprvd by:AH								