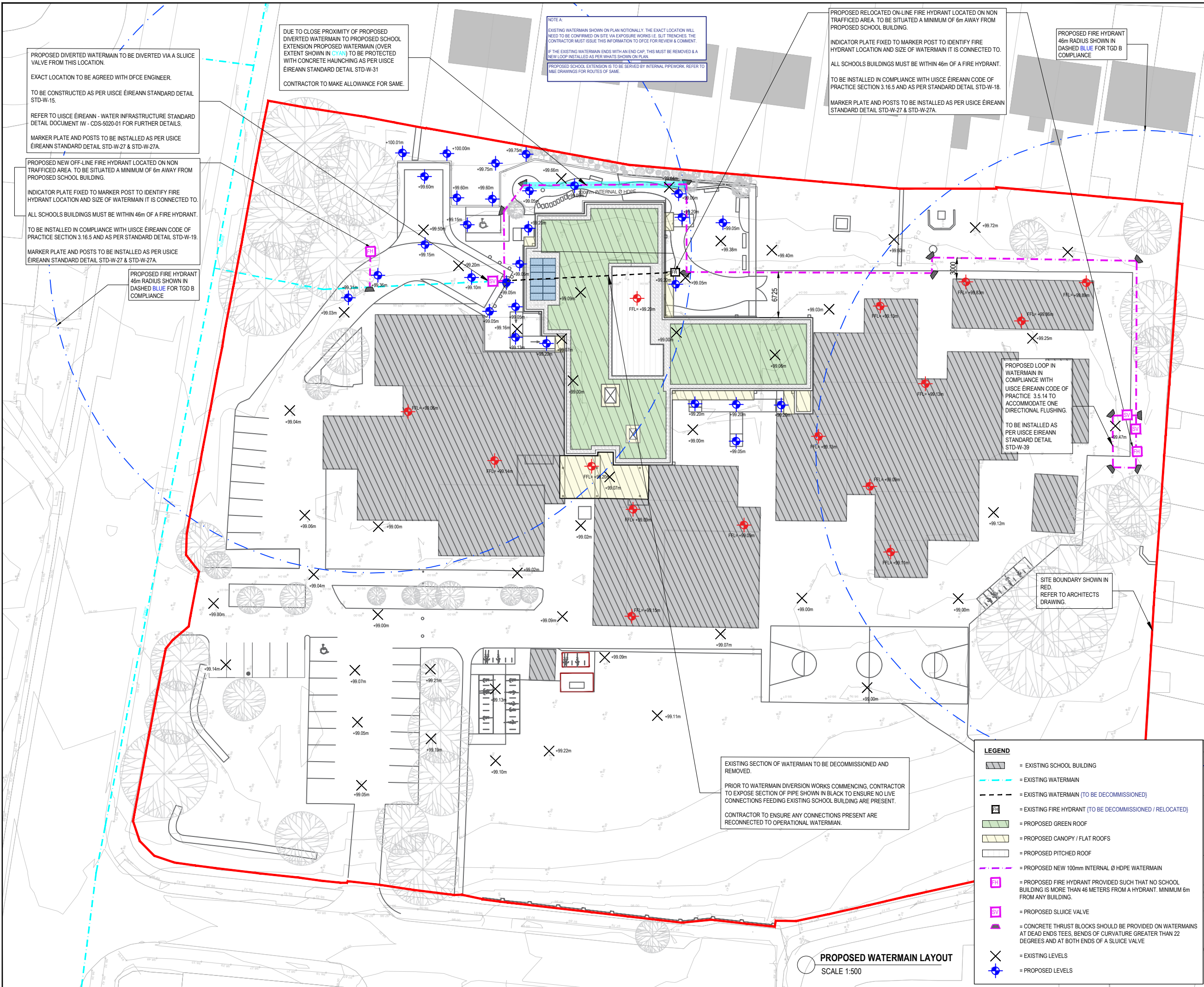




General Notes:

1. THIS DRAWING IS THE PROPERTY OF D. FALLON CONSULTING ENGINEERS. IT IS A CONFIDENTIAL DOCUMENT AND MUST NOT BE COPIED, USED, OR ITS CONTENT DIVULGED WITHOUT PRIOR CONSENT.
2. ALL WORKS TO COMPLY WITH THE BUILDING REGULATIONS AND THE BUILDING CONTROL ACT 2014, CURRENT IRISH STANDARDS AND CODES OF PRACTICE.
3. DO NOT SCALE. ALL DIMENSIONS TO BE CHECKED ON SITE AND ANY DISCREPANCIES TO BE NOTIFIED TO ARCHITECT / ENGINEER.
4. ALL CONTRACTORS, WHETHER MAIN OR SUB CONTRACTORS MUST VISIT THE SITE AND ARE RESPONSIBLE FOR TAKING AND CHECKING ANY AND ALL DIMENSIONS AND LEVELS THAT RELATE TO THE WORKS.
5. WHERE THIS DRAWING CONTAINS DISCREPANCIES IN RELATION TO OTHER RELEVANT DOCUMENTS, SUCH DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS / ENGINEERS WHO SHALL ISSUE A WRITTEN INSTRUCTION AS TO WHICH INFORMATION IS TO BE FOLLOWED, AND UNTIL SUCH INSTRUCTIONS HAS BEEN ISSUED ANY WORK CARRIED OUT ON FOOT OF THE DISCREPANCIES SHALL BE UNAUTHORISED.
6. PROPRIETARY ITEMS SHALL BE FIXED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

WATERMAIN NOTES

NOTE A:
DEPTH OF COVER AS PER USICE ÉIREANN CODE OF PRACTICE
THE DESIRABLE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF A SINGLE PREMISE SERVICE CONNECTION PIPE SHALL BE 750mm WITH AN ABSOLUTE MINIMUM OF 600mm FOR SHORT DISTANCE, (SUBJECT TO IRISH WATER AGREEMENT), THE DESIRABLE DEPTH OF COVER AT THE BOUNDARY BOX / BULK METER SHOULD BE 600mm +/- 25mm, WITH A MAXIMUM DEPTH OF 750mm.

THE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OFF A MAIN SHALL BE 900mm WHERE THE PIPE IS TO BE LOCATED IN A ROAD A GREATER DEPTH OF COVER AND/OR GREATER STRENGTH PIPE AND/OR HIGHER CLASS BEDDING MAY BE REQUIRED WHERE HIGHER TRAFFIC LOADING IS ANTICIPATED DEPTHS MAY BE ALTERED TO AVOID OBSTRUCTIONS, INCLUDING SEPARATION DISTANCE BETWEEN UTILITY SERVICES THE DESIRABLE COVER FOR A WATER MAIN SHOULD BE 1,200mm, WHERE PRACTICABLE AND SHOULD NOT EXCEED 3.0m. THE DESIRABLE MAXIMUM COVER FOR SERVICE CONNECTION PIPE SHOULD BE 1,000mm, WHERE PRACTICABLE.

NOTE B:
THERE SHALL BE A MINIMUM VERTICAL DISTANCE OF 300mm BETWEEN THE WATER MAIN AND OTHER UTILITIES, (AND PARALLEL TO IT, SUBJECT TO THE SPATIAL DISTANCE REQUIREMENT OF THE UTILITY PROVIDER) THERE SHALL BE A MINIMUM VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND ANY OTHER SERVICE CROSSING IT AS FOLLOWS:
300mm TO WATER MAINS OF LESS THAN 300mm DIAMETER;
500mm TO TRUNK/ARTERIAL WATER MAINS OF 300mm DIAMETER OR GREATER.

ALL HORIZONTAL CROSSINGS SHALL BE POSITIONED SUCH THAT THEY ARE AT LEAST 500mm AWAY FROM ANY WATER MAIN FITTING OR JOINT.

NOTE C:
100mm BLUE POLYETHYLENE WATER MAIN TO BE USED WITH PE80 OR PE100 RATING AS PER USICE ÉIREANN CODE OF PRACTICE SECTION 3.9.

FOR EASE OF MAINTENANCE, THE PREFERRED WATER MAIN MATERIALS IS HDPE, MDPE (PE80), WATER MAIN TO CONFORM TO USICE ÉIREANN CODE OF PRACTICE DOCUMENT IW-CDS-5020-03.
ALL CONNECTION AS PER USICE ÉIREANN DETAIL REFER TO DOCUMENT IW-CDS-5020-01 DRAWINGS STD-W-04 TO STD-W-10.

MDPE AND HDPE PIPES SHALL BE OF A TYPE PE-80 AND HAVE AN SDR-11 OR SDR-17 RATING. THEY SHALL CONFORM TO IS EN 12201 PART 1 AND PART 2 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE AND SEWERAGE UNDER PRESSURE - PART 1, GENERAL, AND PART 2, PIPES) AND I.S. EN 12201-3 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE AND SEWERAGE UNDER PRESSURE - PART 3, FITTINGS).

HDPE PIPES SHALL BE OF A TYPE PE-100 AND HAVE AN SDR-11 OR SDR-17 RATING. THEY SHALL CONFORM TO IS EN 12201 PART 1 AND PART 2 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE AND SEWERAGE UNDER PRESSURE - PART 1, GENERAL, AND PART 2, PIPES) AND I.S. EN 12201-3 (PLASTIC SYSTEMS FOR WATER SUPPLY, DRAINAGE AND SEWERAGE UNDER PRESSURE - PART 3, FITTINGS).

NOTE D:
SLUCE VALVES CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO IS 261 OR BS 934. COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND SUBJECT TO REVIEW BY USICE ÉIREANN.

NOTE E:
1" JUNCTIONS ARE TO ADHERE TO USICE ÉIREANN STANDARD DETAIL STD-W-07

NOTE F:
THERE ARE RESTRICTIONS ON PLANTING ADJACENT TO A WATER MAIN AND MUST ADHERE TO USICE ÉIREANN STANDARD DETAIL STD-W-12A

NOTE G:
ALL WORKS SHALL BE DESIGNED AND SHOULD BE CARRIED OUT TO USICE ÉIREANN COP DOCUMENT IW-CDS-5020-03 AND USICE ÉIREANN STANDARD DETAILS DOCUMENT IW-CDS-5020-01

NOTE H:
ALL WATERMAIN INFRASTRUCTURE TO BE INSTALLED AS PER USICE ÉIREANN CODE OF PRACTICE DOCUMENT IW-CDS-5020-01 AND USICE ÉIREANN STANDARD DETAILS DOCUMENT IW-CDS-5020-03

NOTE I:
FIRE HYDRANT NOTES:

1. FIRE HYDRANTS TO BE POSITIONED A MINIMUM OF 6m FROM A BUILDING AND NOT MORE THAN 46m
2. ALL FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH TECHNICAL GUIDANCE DOCUMENT 8 OF THE BUILDING REGULATIONS & THE D.O.E. 'RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS'
3. FINAL VERIFICATION SHOULD BE SOUGHT FROM FIRE AUTHORITY FOR AGREED LAYOUT OF ALL HYDRANTS & THE NUMBER OF WATER SUPPLY CONNECTIONS TO THE FIRE WATER RING MAIN AS REQUIRED

NOTE J:
WHERE THE FLOWS TO A DEVELOPMENT ARE LESS THAN 20m³/PER DAY, THERE IS NO REQUIREMENT TO INSTALL A BULK METER TO MEASURE WATER DEMAND OF THE DEVELOPMENT. HOWEVER, INFRASTRUCTURE SHALL BE PROVIDED FOR THE MEASUREMENT OF NIGHT FLOWS BY INSTALLATION OF A SLUCE VALVE WITH DOMESTIC SIZED TAPPING LINKED TO A DOMESTIC SIZED METER AND BOUNDARY BOX AT THE ENTRANCE OF SUCH DEVELOPMENTS. (IW CODE OF PRACTICE DOCUMENT IW-CDS-5020-03, SECTION 2.6.7)

NOTES ABOVE ARE FOR INFORMATION ONLY, WHERE CONFLICTS WITH IRISH WATER LATEST 'WATER INFRASTRUCTURE DETAILS - CONNECTION AND DEVELOPER SERVICES', IRISH WATER SPECIFICATIONS TAKE PRECEDENT

IRISH GRID CO-ORDINATES:
EASTINGS (X) = 318356, NORTHINGS (Y) 226584

B03	Tender	LMG	AA	19/08/2026
B02	Pre-Tender	LMG	AA	18/02/2026
B01	Pre-Tender	LMG	AA	05/02/2026
Rev:	Description:	By:	App:	Date:

Status: **TENDER**

D.Fallon
Consulting Engineers

Client: Queen of Angels Primary School

Project: Additional Accommodation
Queen of Angels Primary School
Sandyford, Dublin 16

Drawing: Proposed Watermain Layout

Scale At A3: 1:500	Date: AUG 2026	Job No: D2104	Status Code: X
Drawing Number: D2104DR0003	Revision: B03		