



LEGEND

PROPOSED WATERMAIN

EXISTING WATERMAIN

PROPOSED 25mm SERVICE CONNECTION

SLUICE VALVE

HYDRANT

SCOUR VALVE

AIR VALVE

BULK METER

WATER BOUNDARY BOX

FINISHED FLOOR LEVELS

FINISHED ROAD LEVELS

SITE BOUNDARY

100mm HDPE SDR17 WATERMAIN

SV

Hyd

Scv

AV

M

FFL 51.800

+ 51.400

- NOTES
- WATER INFRASTRUCTURE

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER DOCUMENTS IW-CDS-5020-01 (STANDARD DETAILS) & IW-CDS-5020-03 (CODE OF PRACTICE).

WATER BOUNDARY BOXES TO BE IN COMPLIANCE WITH THE IW CODE OF PRACTICE AND STANDARD DETAILS.

PIPE MATERIALS SHALL BE IN COMPLIANCE WITH SECTION 3.9 OF THE CODE OF PRACTICE.

COMPLIANCE WITH STANDARD DETAILS DRAWINGS STD-W-11, STD-W-12 & STD-W-12A SHALL BE ADHERED TO REGARDING SEPARATION DISTANCES FROM OTHER SERVICES, BOUNDARY WALLS & TREES.

SCOUR CHAMBER TO BE CONSTRUCTED AS PER IRISH WATER STANDARD DETAIL DRAWING STD-W-30.

BYPASS FLOW METER TO BE CONSTRUCTED AS PER IRISH WATER STANDARD DETAIL DRAWING STD-W-26F.

CONFIRMATION BY A CHARTERED ENGINEER AND TEST RESULT CERTIFICATES & REPORTS INDICATING THAT THE WATER INFRASTRUCTURE HAS UNDERGONE APPROPRIATE ON-SITE TESTING, OFF-SITE TESTING AND COMMISSIONING. THE APPROPRIATE SITE TESTS FOR WATER COLLECTION INFRASTRUCTURE WOULD BE AS FOLLOWS:
 - IGN TEST REPORTS - WATERMAIN PRESSURE TESTING
 - SERVICE CONNECTION TEST RESULTS
 - ELECTRO/BUTT FUSION WELD TEST RESULT REPORTS (DESTRUCTIVE TESTING)
 - PRINTOUT OF THE JOINT DETAILS, WITH A GPS LOCATION OF EACH ELECTROFUSION & BUTT FUSION JOINT
 - TESTING COMPLETION RESULTS FOR BOOSTER PUMP PLANT (IF APPROPRIATE)
 - SWABBING & FLUSHING RECORDS
 - DISINFECTION TEST REPORTS (ACCREDITED LABORATORY REPORT)
 - WATER QUALITY SAMPLING RESULTS (ACCREDITED LABORATORY REPORT)

- AS CONSTRUCTED DRAWINGS:
- AS CONSTRUCTED RECORD DRAWINGS (IN HARD COPY AND DIGITAL FORMAT) SHALL SHOW THE LOCATION, LAYOUT PLANS, LONGITUDINAL SECTIONS AND DETAILS OF THE WORKS AND THE DEVELOPMENT IN FULL. PLAN SCALES SHOULD BE IN COMMON USE, @ 1:200, 1:500, 1:1000 OR 1:2500 AS APPROPRIATE. DRAWINGS SHOULD BE PREPARED USING AN ELECTRONIC SYSTEM AND SUBMITTED IN STANDARD "CAD COMPATIBLE (DWG/DXF)" FILE FORMAT. THESE DRAWINGS SHALL CONTAIN THE FOLLOWING INFORMATION:
- LOCATIONS OF ALL VALVES, HYDRANTS, SCOUR VALVES OR WASHOUT HYDRANTS, METERS, DUCTS, TAPPING LOCATIONS, WATER MAIN AND SERVICE PIPES, BOUNDARY BOXES, ETC., COMPLETE WITH LEGENDS TO IRISH WATER'S REQUIREMENTS.
 - DETAILED PIPE MATERIAL TYPES, SIZES, CONNECTION DETAILED PLANS OF PIPE BRANCHES, SHOWING VALVE LOCATIONS, ETC.
 - LOCATIONS OF ASSETS ARE TO BE TO +/- 100MM ACCURACY IN THE HORIZONTAL PLANE TO THE CENTRE OF THE ASSET, WITH DIMENSIONS RELATING TO FIXED IRISH NATIONAL GRID (ING) CO-ORDINATES.
 - COVER LEVEL FOR WATER MAIN FITTINGS AND INTERMITTENT WATER MAIN INVERT LEVELS RELATING TO FIXED ORDNANCE SURVEY DATUM (MALIN HEAD) TO AN ACCURACY OF +/- 20MM.
 - LONGITUDINAL SECTIONS, TO AN EXAGGERATED VERTICAL SCALE, (SUCH AS 1:1000 HORIZONTAL AND 1:100 VERTICAL) SHOWING INSTALLED LEVELS, COMPLETED GROUND LEVELS, INVERT LEVELS, PIPE SIZES, BEDDING, HAUNCH AND SURROUND DETAILS, BACKFILL DETAILS, TOGETHER WITH CHAMBER LOCATIONS, CHANGES, GRADIENTS, PIPE MATERIALS, ETC. ALL CHAMBERS FOR WATER SUPPLY FITTINGS SHALL BE IDENTIFIED AND PROVIDED WITH LOCATION CO-ORDINATES TO IRISH NATIONAL GRID (ING).
 - DETAILS OF ANY SERVICES AND STRUCTURES ON THE SITE, ESPECIALLY THOSE IN CLOSE PROXIMITY TO THE WORKS INCLUDING OFFSET MEASUREMENT TO THE WATER SUPPLY SYSTEM.
 - DWELLING AND BUILDING NUMBERS.
 - CONSTRUCTION DETAILS OF PUMP STATION AS WELL AS MECHANICAL, ELECTRICAL AND INSTRUMENTATION EQUIPMENT DETAILS.
 - DETAILS OF SERVICES AND STRUCTURES ON THE SITE, EXISTING AND PROPOSED, ESPECIALLY THOSE IN CLOSE PROXIMITY TO THE WORKS INCLUDING OFFSETS MEASUREMENTS TO THE WORKS.

REV.	DATE	DESCRIPTION	APPROVED

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CLIENT			
ROSCOMMON COUNTY COUNCIL			
PROJECT TITLE			
PROPOSED RESIDENTIAL DEVELOPMENT AT SLI AN CHOISTE, MONKSLAND, CO. ROSCOMMON			
DRAWING TITLE			
PROPOSED SITE SERVICES LAYOUT WATERMAIN			
SCALE	DRAWN CONOR MURPHY	CHECKED LIAM MCELGUNN	APPROVED ALAN TRAYNOR
1:500	DATE NOVEMBER 2024	DATE NOVEMBER 2024	DATE NOVEMBER 2024
DRAWING No.			REV.
23-004-101			