



LEGEND	
PROPOSED STORM MANHOLE	○
PROPOSED STORM SEWER	—
PROPOSED 100mm STORM CONNECTION	- - -
ROAD GULLY	RG
EXISTING STORM STORM MANHOLE	○
EXISTING STORM SEWER	—
PROPOSED FOUL MANHOLE	○
PROPOSED FOUL SEWER	—
PROPOSED 100mm FOUL CONNECTION	- - -
EXISTING STORM STORM MANHOLE	○
EXISTING FOUL SEWER	—
PROPOSED RETAINING WALL	—
PROPOSED WAY LEAVE	—
FINISHED FLOOR LEVELS	FFL 51.800
FINISHED ROAD LEVELS	+ 51.400
SITE BOUNDARY	—

FOUL SEWER				
MANHOLE REF	MANHOLE TYPE (AS PER IRISH WATER CODE OF PRACTICE)	COVER LEVEL	INVERT LEVEL IN	INVERT LEVEL OUT
F1	1.2m	50.350	49.000	
F2	1.2m	50.610	49.260	
F3	1.2m	51.250	48.945	48.520
F4	1.2m	52.300	50.950	
F5	1.2m	52.200	50.600	
F6	1.2m	52.100	50.271	
F7	1.2m	52.000	50.195/48.052	47.977
F8	1.2m	51.550	47.713	
F9	1.2m	51.400	47.607	
Fex11	1.2m	50.542	47.421	
F10	1.2m	49.950	48.600	
F11	1.2m	49.500	48.147	
F12	1.2m	48.950	47.696	
F13	1.2m	47.300	46.334	
F14	1.2m	48.300	47.905 / 47.003	45.905
F15	1.2m	47.300	45.672	
F16	1.2m	48.450	47.100	
F17	1.2m	47.200	46.120	45.643
F18	1.2m	46.800	45.181	
F19	1.2m	46.800	45.106	
Fnew	1.2m	46.800	45.090	

STORM SEWER				
MANHOLE REF	MANHOLE TYPE	COVER LEVEL	INVERT LEVEL IN	INVERT LEVEL OUT
S1	1.0m	50.610	49.185	
S2	1.0m	52.300	50.875	
S3	1.0m	52.200	50.767	
S4	1.0m	52.100	50.527	
S5	1.0m	52.000	50.473	48.660
S6	1.2m	51.750	48.557	
S7	1.2m	51.550	48.457	
S8	1.2m	51.400	48.381	
Sext11	1.2m	51.060	48.291	47.440
S9	1.2m	51.000	49.575	
S10	1.2m	49.500	47.677	
S11	1.2m	48.950	47.301	
S12	1.2m	47.300	46.508	
S13	1.2m	48.300	46.704 / 46.382	45.528
S14	1.2m	48.450	46.141	
S15	1.2m	47.300	45.831	
S16	1.2m	47.700	45.456	45.384
S17	1.2m	47.630	45.355	
S18	1.2m	47.300	45.229	
S19	1.2m	46.880	44.900	
Sext12	1.2m	46.872	44.811	

- NOTES
- WASTE WATER INFRASTRUCTURE**
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER DOCUMENTS IW-CDS-5030-01 (STANDARD DETAILS) & IW-CDS-5030-03 (CODE OF PRACTICE).
- INDIVIDUAL WASTEWATER CONNECTION TO EACH DWELLING WILL BE AS PER STANDARD DETAIL DRAWING STD-WW-02.
- REFER TO SECTION 3.2 FOR SERVICE CONNECTION GRADIENTS.
- THE INSPECTION CHAMBER WILL BE IN COMPLIANCE WITH STD-WW-03 AND STD-WW-13 AND WILL BE LOCATED WITHIN 1M OF EACH SITE BOUNDARY.
- PIPE MATERIALS SHALL COMPLY WITH SECTION 3.13 OF THE IRISH WATER CODE OF PRACTICE.
- PIPE MATERIALS WILL BE UNPLASTICISED PVC FOR THE MAIN SEWERS AS PER SECTION 3.13.3 OF THE IRISH WATER CODE OF PRACTICE.
- COMPLIANCE WITH STANDARD DETAILS DRAWINGS STD-WW-5, STD-WW-6 & STD-WW-6A SHALL BE ADHERED TO REGARDING SEPARATION DISTANCES FROM OTHER SERVICES, BOUNDARY WALLS & TREES.
- MANHOLES WILL CONFORM TO STANDARD DETAILS STD-WW-09, STD-WW-10, STD-WW-11 AND/OR STD-WW-12 AS APPROPRIATE.
- SEPARATION DISTANCES FROM FOUL SEWERS TO STRUCTURES AND OTHER UTILITIES WILL COMPLY WITH SECTION 3.5 OF THE IRISH WATER CODE OF PRACTICE.
- REFER TO STD-W-12A, STD-WW-06, STD-WW-06A & 3.26 OF THE IRISH WATER CODE OF PRACTICE FOR PLANTING RESTRICTIONS OF WATER AND WASTE WATER. ROOT PROTECTION TO BE REROOT 2000 OR SIMILAR.
- REFER TO DETAIL STD-W-11 FOR TYPICAL SERVICES LAYOUT DISTANCES & STD-WW-05 FOR WASTEWATER TYPICAL SERVICES LAYOUT AND 3.21 IRISH WATER WASTEWATER CODE OF PRACTICE.
- REFER TO SECTION 3.5.16 OF THE WASTE WATER IRISH WATER CODE OF PRACTICE FOR UNAVOIDABLE SERVICES CROSSOVER.
- MANHOLE COVERS LOCATED IN GRASS AREAS TO HAVE 200mm ALL ROUND CONCRETE PLINTH AND 100mm DEEP FORMED CONCRETE, 20mm AGGREGATE, BEDDED IN CLAUSE 804 MATERIAL.
- REFER TO 3.5.13 OF THE IRISH WATER CODE OF PRACTICE FOR STAGGERED MANHOLE SYSTEMS DETAILS.
- EXTERNAL FACE OF PROPOSED MANHOLE CHAMBER TO BE A MINIMUM OF 0.5m FROM KERB LINE AND EXTERNAL FACE OF SEWERS ARE A MINIMUM OF 1M FROM KERB LINE. SEE SECTION 3.5.15 OF IRISH WATER WASTEWATER CODE OF PRACTICE.

- CONFIRMATION BY A CHARTERED ENGINEER AND TEST RESULT CERTIFICATES INDICATING THAT THE WASTEWATER INFRASTRUCTURE HAS UNDERGONE APPROPRIATE ON-SITE TESTING AND COMMISSIONING. THE APPROPRIATE SITE TESTS FOR WASTEWATER COLLECTION INFRASTRUCTURE WOULD BE AS FOLLOWS:
- AIR TESTS AND WATER TESTS COMPLETION RESULTS FOR SEWERS
 - WATER RETAINING TESTS COMPLETION RESULTS FOR MANHOLES AND PUMPING STATION STRUCTURES
 - PRESSURE TESTING COMPLETION RESULTS OF RISING MAINS COMPLETE WITH A HARD COPY PRINT OUT FROM THE LOGGER OF THE RELAXATION CURVE AS PROOF OF THE OUTCOME OF THE TEST (IGN 4-01-03 COMPLIANT REPORT)
 - A PRINTOUT OF THE JOINT DETAILS, WITH A GPS LOCATION OF EACH JOINT (HOPE WELDING)
 - PUMPING STATIONS - TESTING & COMMISSIONING REPORTS

- WASTEWATER INFRASTRUCTURE - CCTV & MANHOLE SURVEY REPORTS**
- REPORTING AND DELIVERING - THE FINAL REPORTS AND DELIVERABLES TO IRISH WATER SHALL INCLUDE THE FOLLOWING ITEMS:
- A - CCTV SURVEY FOOTAGE: FILES IN "XML" FORMAT SUBMITTED TO IRISH IN ACCORDANCE WITH MSCC, 5TH ADDITION, COMPATIBLE WITH INFONET.
 - B - CCTV REPORTS: REPORTS SUBMITTED IDENTIFYING THAT NO DEFECTS EXIST. REPORTS SUBMITTED IN CD OR DVD FORMAT WITH A HARD COPY OF THE SURVEY REPORT.
 - C - MANHOLE SURVEY REPORTS: REPORTS SUBMITTED IDENTIFYING THAT NO DEFECTS EXIST. REPORTS SUBMITTED IN "CSC" FORMAT ON CD OR DVD WITH A HARD COPY OF THE SURVEY REPORTS. MANHOLE REFERENCING SHALL BE CONSISTENT WITH THE AS CONSTRUCTED DRAWINGS - TO IRISH NATIONAL GRID COORDINATES (INGI) TO +/- 100mm ACCURACY IN THE HORIZONTAL PLANE, WITH DIMENSIONS RELATING TO FIXED ORDNANCE SURVEY CO-ORDINATES.
 - D - CERTIFICATION FROM THE CUSTOMERS CONSULTANT ENGINEER: CONFIRMATION THAT A QUALITY CONTROL REGIME HAS BEEN IMPLEMENTED WITH THE RESULT THAT NO DEFECTS EXIST IN EITHER THE SEWERS OR THE MANHOLES.

REV.	DATE	DESCRIPTION	APPROVED

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ISO 9001

CERTIFICATION EUROPE

CLIENT			
ROSCOMMON COUNTY COUNCIL			
PROJECT TITLE			
PROPOSED RESIDENTIAL DEVELOPMENT AT SLI AN CHOISTE, MONKSLAND, CO. ROSCOMMON			
DRAWING TITLE			
PROPOSED SITE SERVICE LAYOUT FOUL WATER SEWERS AND SURFACE WATER SEWERS			
SCALE	DRAWN CONOR MURPHY	CHECKED LIAM MCELGUNN	APPROVED ALAN TRAYNOR
1:500	DATE NOVEMBER 2024	DATE NOVEMBER 2024	DATE NOVEMBER 2024
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