

LEGEND

- PROPOSED STORM MANHOLE: Green circle
- PROPOSED STORM SEWER: Green line
- PROPOSED 100mm STORM CONNECTION: Green dashed line
- ROAD GULLY: Green square
- EXISTING STORM SEWER: Purple line
- PROPOSED FOUL MANHOLE: Red circle
- PROPOSED FOUL SEWER: Red line
- PROPOSED 100mm FOUL CONNECTION: Red dashed line
- IRISH WATER INSPECTION CHAMBER: Red circle with 'I' inside
- EXISTING STORM MANHOLE: Purple circle
- EXISTING FOUL SEWER: Purple line
- FINISHED FLOOR LEVELS: FFL 63.000
- FINISHED ROAD LEVELS: + 64.000
- SITE BOUNDARY: Red line

CONNECTION TO EXISTING STORM SEWER. INVERT LEVEL AND LOCATION OF MANHOLE TO BE CONFIRMED BY CONTRACTOR PRIOR TO ANY WORKS TAKING PLACE.

CONNECTION TO EXISTING FOUL SEWER TO BE AGREED WITH IRISH WATER PRIOR TO WORKS COMMENCING. INVERT LEVEL AND LOCATION TO BE CONFIRMED BY CONTRACTOR PRIOR TO ANY WORKS TAKING PLACE.

PROPOSED HYDRO BRAKE TO RESTRICT FLOW TO SL'S TO PREVENT BUILDUP OF VEGETATION IN PIPEWORK

NSBP003 PETROL BYPASS INTERCEPTOR OR SIMILARLY APPROVED

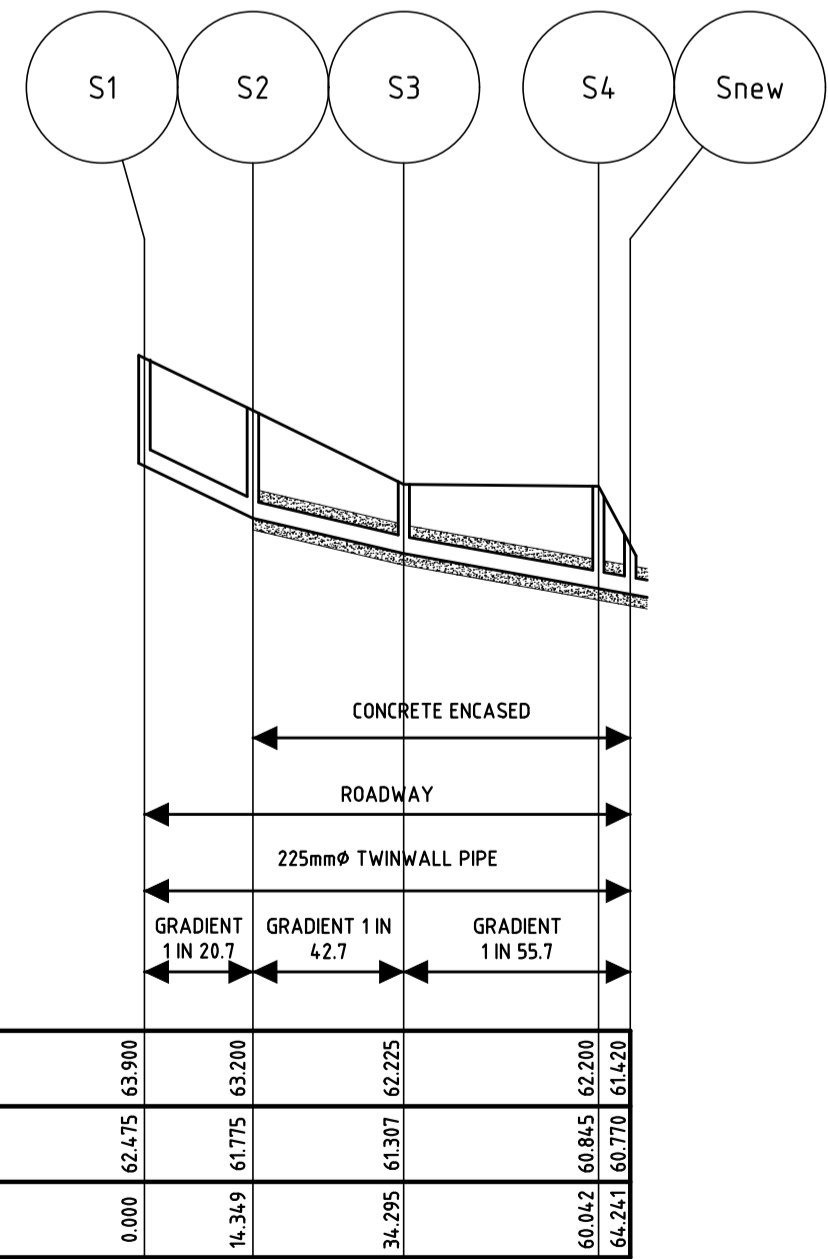
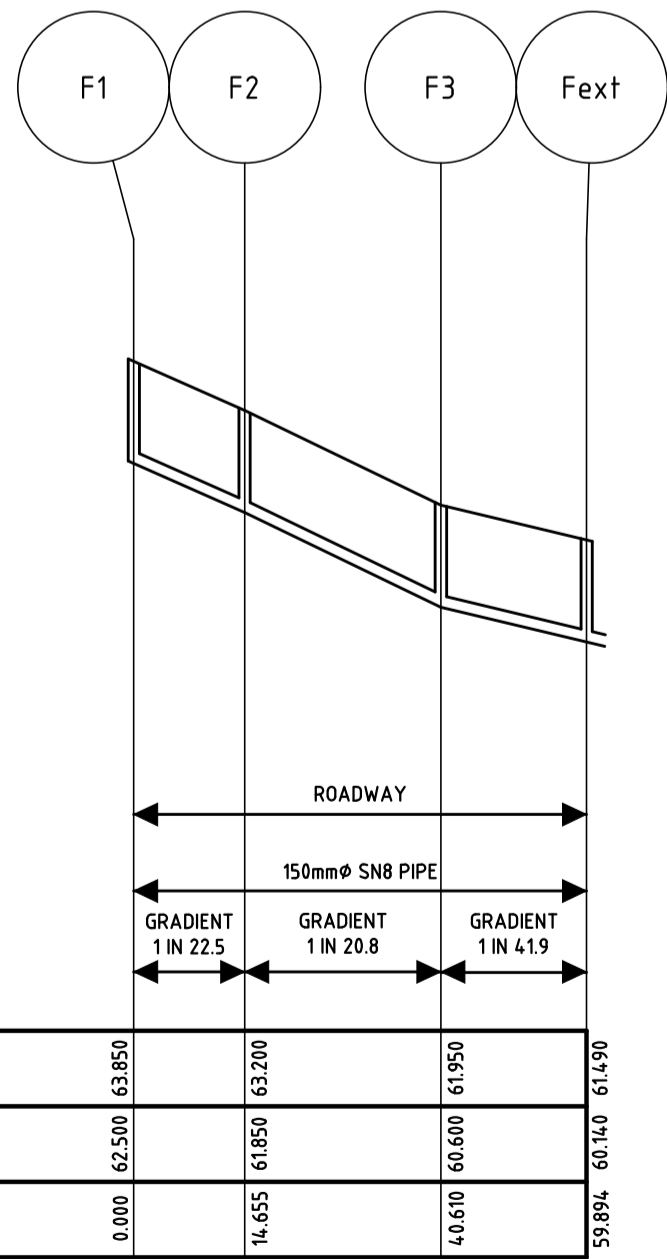
ATTENUATION TANK
MINIMUM CAPACITY: 34.44m³

STORMWATER SEWER

MANHOLE REF	MANHOLE TYPE (AS PER IRISH WATER CODE OF PRACTICE)	COVER LEVEL	INVERT LEVEL IN	INVERT LEVEL OUT
S1	1.2m	63.900	62.475	62.475
S2	1.2m	63.200	61.775	61.775
S3	1.2m	62.225	61.307	61.307
S4	1.2m	62.200	60.845	60.845
Snew	1.2m	61.420	60.770	60.770

FOUL SEWER

MANHOLE REF	MANHOLE TYPE (AS PER IRISH WATER CODE OF PRACTICE)	COVER LEVEL	INVERT LEVEL IN	INVERT LEVEL OUT
F1	1.2m	63.850	62.500	62.500
F2	1.2m	63.200	61.850	61.850
F3	1.2m	61.950	60.600	60.600
Fext	Existing	61.490	60.140	60.140



NOTES

WASTE WATER INFRASTRUCTURE

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER DOCUMENTS IW-CDS-5930-01 (STANDARD DETAILS) & IW-CDS-5930-03 (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 REEROOT 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 C20 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 "CSV" 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: LEITRIM COUNTY COUNCIL

PROJECT TITLE: PROPOSED RESIDENTIAL DEVELOPMENT AT NEWTOWN GORE, CO. LEITRIM

DRAWING TITLE: PROPOSED SITE SERVICES LAYOUT FOUL WATER & STORM WATER SEWERS

SCALE	DRAWN	CHECKED	APPROVED
1:200	CONOR MURPHY	LIAM MCELGUNN	ALAN TRAYNOR
	DATE	DATE	DATE
	JANUARY 2024	JANUARY 2024	JANUARY 2024

DRAWING No. 23-143B-100 REV. B