

FOUL SEWER				
MANHOLE REF	MANHOLE TYPE (AS PER IRISH WATER CODE OF PACTICE)	COVER LEVEL	INVERT LEVEL	
F1	1.2m	53.000	51.850	
F2	1.2m	53.115	51.775	
F3	1.2m	53.150	51.740	
F4	1.2m	53.150	51.579	
FEXT	Existing	52.840	51.515	

PROPOSED FOUL SEWER SECTIONS

<u>S4-S5</u>

HORIZONTAL SCALE 1:1000

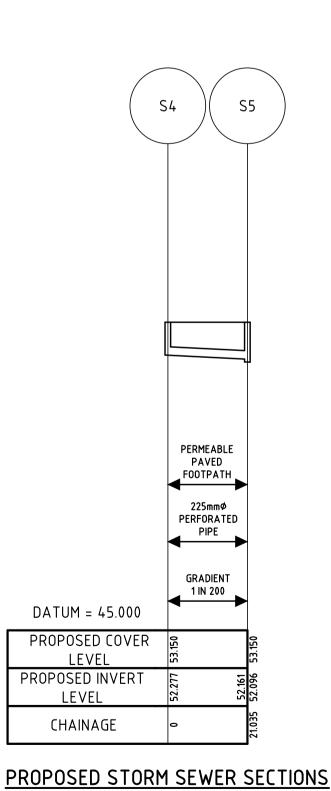
VERTICAL SCALE 1:100

F1-FEXT HORIZONTAL SCALE 1:1000 **VERTICAL SCALE 1:100**

	S	2		S	6	
	51	S	33 S	55	ОПТІ	FALL
					5-24-10-17-18-22	
				C	DNCRETE	
				E ◀	NCASED	
	PEI	ME	BLE PAVED FOOTPA	-	ROAD	
	225mm¢	PEF	PERF	0mmø DRATEI IPE	300mm TWINWA PIPE	ø LL
			GRADIENT 1 IN 200			
DATUM = 45.000	•		GRADIENT THE 200	,	-	
PROPOSED COVER LEVEL	53.000	53.125	53.150	53.150	52.810	
PROPOSED INVERT LEVEL	52.395			52.096	52.054	52.000
CHAINAGE	0	_	18.956	44.295	52.686	63.503

PROPOSED STORM SEWER SECTIONS

S1-OUTFALL HORIZONTAL SCALE 1:1000 **VERTICAL SCALE 1:100**



STORM WATER SEWER				
MANHOLE REF	MANHOLE TYPE (AS PER IRISH WATER CODE OF PACTICE)	COVER LEVEL	INVERT LEVEL IN	INVERT LEVEL OUT
S1	1.2m	53.000	52.395	-
S2	1.2m	53.150	52.324	-
S3	1.2m	53.150	52.299	-
S 4	1.2m	53.150	52.277	-
S 5	1.2m	53.150	52.161	52.096
S6	1.2m	52.810	52.054	-
SNEW	OUTFALL	-	52.000	-

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

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 DETAILSTD-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

AS CONSTRUCTED DRAWINGS: FOR UNAVOIDABLE SERVICES CROSSOVER.

MANHOLE COVERS LOCATED IN GRASS AREAS TO HAVE 200mm ALL ROUND CONCRETE PLINTH AND 100mm DEEP FORMED C20/25 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.

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

SEE SECTION 3.5.15 OF IRISH WATER WASTEWATER CODE OF PRACTICE

TESTS FOE 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 (HDPE 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

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 (ING)) 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.

NOTES

WATER INFRASTRUCTURE

BOUNDARY WALLS & TREES.

ILL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER DOCUMENTS W-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 TANDARD 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

SCOUR CHAMBER TO BE CONSTRUCTED AS PER IRISH WATER STANDARD DETAIL DRAWING

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 FOE

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 & FLUSHNG RECORDS

 DISINFECTION TEST REPORTS (ACCREDITED LABORATORY REPORT) WATER QUALITY SAMPLING RESULTS (ACCREDITED LABORATORY REPORT)

MEASUREMENTS TO THE WORKS.

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, ie 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 PLANF 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, CHAINAGES, 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

PLANNING DRAWING

RFV.	DΔTF	DESCRIPTION	APPROVED

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Unit 6, Belturbet Business Park, Creeny, Belturbet, Co.Cavan H14AY94 2nd Floor, 67-70 Meath St, Dublin 8 D08XY53



Email: info@alantraynor.com Website: www.alantaynor.com

EL: (+353) 19697881

CAVAN COUNTY COUNCIL

PROJECT TITLE

CLIENT

PROPOSED DEVELOPMENT AT MOONEYS HALL AND FAIR GREEN AN BONN BUI WAY, BLACKLION, CO. CAVAN

DRAWING TITLE

PROPOSED SITE SERVICES FOUL WATER SEWER & SURFACE WATER SEWER SECTIONS

SCALE	DRAWN	CHECKED	APPROVED	
	CONOR MURPHY	LIAM MCELGUNN	ALAN TRAYNOR	
AS SHOWN	DATE	DATE	DATE	
	SEPTEMBER 2023	SEPTEMBER 2023	SEPTEMBER 2023	

DRAWING No.

23-242-101