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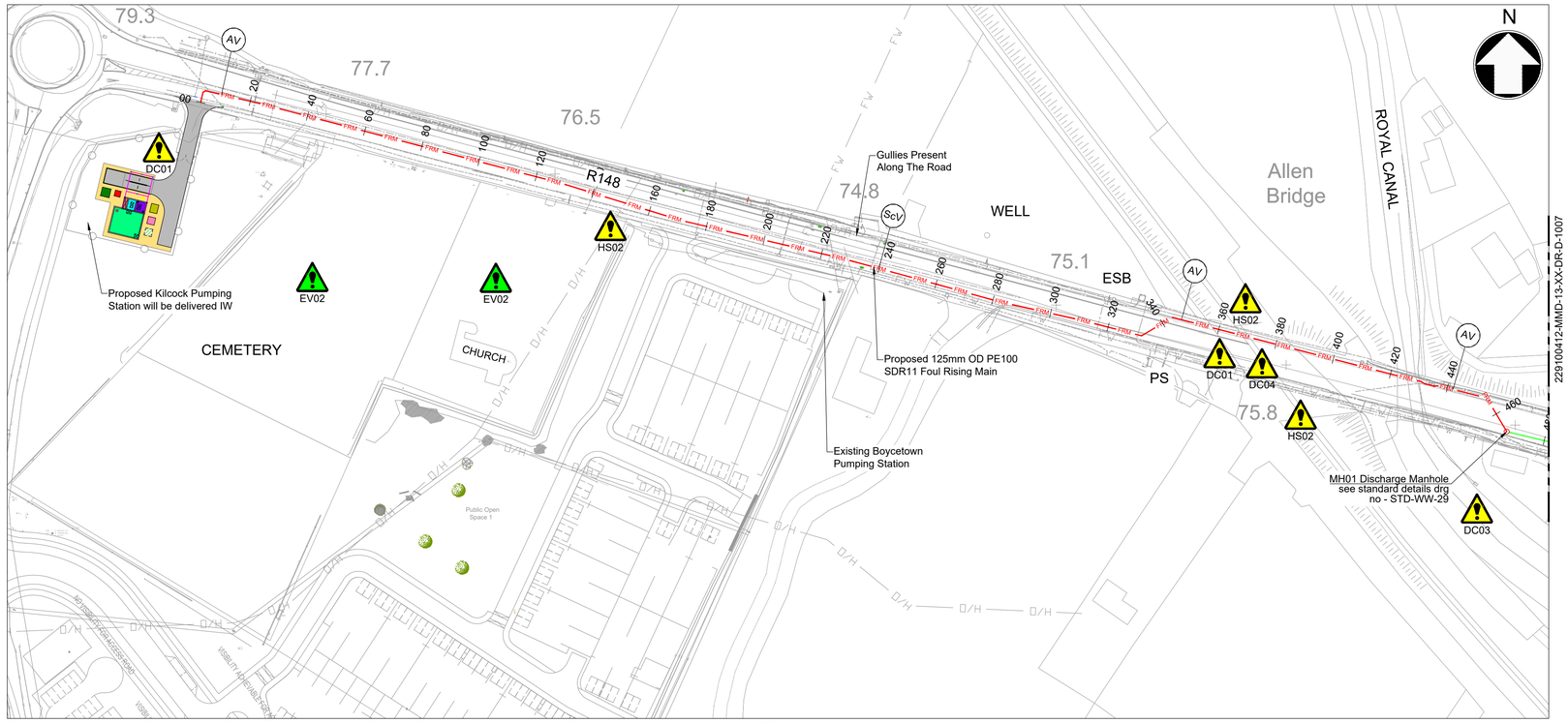
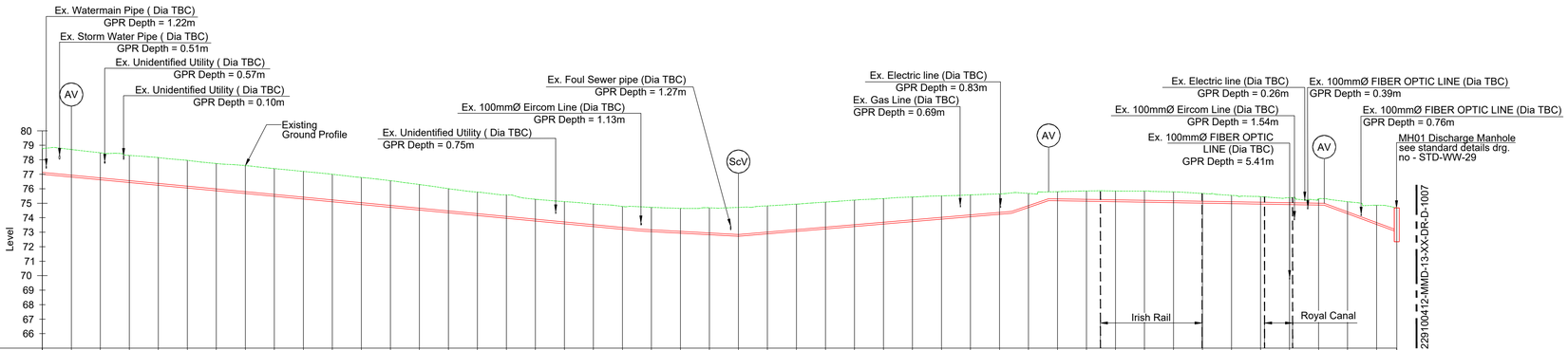


Plan
Scale 1:1000

Reference Drawings
229100412-MMD-13-XX-DR-D-1021 PROPOSED PS SITE LAYOUT
229100412-MMD-13-XX-DR-D-1000 (SITE LOCATION PLAN)
229100412-MMD-13-XX-DR-D-1007 (PLAN AND LONG SECTION (SHEET 2 OF 2)



Chainage (m)	00.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00	270.00	280.00	290.00	300.00	310.00	320.00	330.00	340.00	350.00	360.00	370.00	380.00	390.00	400.00	410.00	420.00	430.00	440.00	450.00	460.00	466.96
Existing Ground Level (m AOD)	78.77	78.71	78.48	78.30	78.15	77.96	77.74	77.60	77.39	77.20	77.00	76.78	76.56	76.29	76.01	75.77	75.57	75.27	75.11	74.94	74.78	74.72	74.65	74.69	74.71	74.82	74.94	75.08	75.22	75.32	75.43	75.51	75.58	75.65	75.68	75.80	75.85	75.84	75.84	75.78	75.67	75.54	75.46	75.38	75.30	75.11	74.86	74.68
Pipe Invert Level Level (m AOD)	77.00	76.81	76.62	76.43	76.24	76.05	75.86	75.67	75.48	75.29	75.10	74.91	74.72	74.53	74.34	74.15	73.96	73.77	73.58	73.39	73.20	73.04	72.93	72.82	72.72	72.89	73.05	73.22	73.39	73.56	73.73	73.90	74.07	74.24	74.71	75.18	75.14	75.11	75.08	75.04	75.01	74.98	74.94	74.91	74.88	74.28	73.54	73.03
Pipe Gradient	-53:1																					-92:1				59:1										15:1		-300:1									-14:1	
Pipe Dia.	Proposed 125mm OD PE100 SDR11 WW Rising Main																																															
Land Use	R148																																			R148 (Allen Bridge)												

Longitudinal section
Scale : Hor. 1:1000
Ver. 1:200

HOR. SCALE 1:1000 — 0 — 50m — 100m
VER. SCALE 1:200 — 0 — 10m — 20m

Notes
1. All dimensions are in metres (m) unless noted otherwise.
2. All levels are in metres and relate to the ordnance survey Datum Malin Head (m) unless noted otherwise.
3. All dimensions and levels to existing work are to be checked on site and verified prior to commencement of work.
4. Ensure this drawing is the relevant revision and read in conjunction with all relevant documents.
5. Refer Hazard risk register for description.
6. All fittings to be installed as per Irish Water Standards. Refer to IW-CDS-5030-01 and IW-CDS-5030-03.
7. The contractor shall verify the location, invert level and details of all services along the pipeline route before start of construction.
8. Existing ground levels are based on the topo survey 2019/2020 and levels should be verified before actual construction.
9. Location and depth of existing utilities are based on the GPR survey 2019/2020 as well as existing records and should be confirmed after receiving intrusive site investigation results.
10. Location of fittings and manholes are not final and shall be updated based on final ground profile.
11. Top surface levels of the manhole shall match with finished road levels.
12. Contractor to finalize the invert levels of manholes on approved site levels during construction stage.

Key to symbols
- Existing Overhead Electric Cable
- Existing Electric Cable
- Existing WW Sewer
- Existing Watermain
- Existing Storm Water Drain
- Proposed Manhole
- Proposed Air Valve (AV)
- Proposed Scour Valve (ScV)
- Existing Gas Main
- Existing Fiber Optic Cable
- Existing Unidentified Utility
- Existing EIR Communication Cable
- Proposed Wastewater Rising Main
- Proposed Gravity Sewer

Hazard symbols
Health & Safety
- Existing Services (Underground) HS01
- Existing Services (Overhead) HS02
- Existing Services (Unknown) HS03
- Asbestos HS04
- Contaminated ground HS05
- Flooding HS06
- Works adjacent to water bodies HS07
- Connection to live asset HS08

Traffic Management
- Junction TM01
- Access Restrictions TM02

Design Consideration
- 3rd Party Agreement / Licensing DC01
- Works by Others DC02
- Water Course DC03
- Rail Crossing DC04
- Trenchless Works DC05

Environmental
- Ecology EV01
- Archaeology / Heritage EV02
- Cutting & Felling Trees EV03
- Invasive Species EV04

Rev	Date	Drawn	Description	Ch'k'd	App'd
P5	13-05-2021	SR	UPDATED AS PER IW QA COMMENTS	DA	TM
P4	26-02-2021	SR	ISSUED FOR INFORMATION	DA	TM
P3	06-11-2020	JPC	FOR WS4	MC	TM
P2	03-02-2020	ASC	FOR DETAILED DESIGN	DD	TM
P1	13-11-2019	JPC	FOR PRELIMINARY DESIGN	DD	TM

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Title
LIHAF AND MUHDS PROJECT
SPECIMEN DESIGN
PROPOSED WW SEWER
PLAN AND SECTION (SHEET 1 OF 2)
KILCOCK (WASTEWATER)

Designed	BM ARUNA	ABM	Eng check	D ALEXANDER	DA
Drawn	JP CHAUDHRY	JPC	Coordination		
Dwg check	BM ARUNA	ABM	Approved	T MURPHY	TM

Scale at A1	Status	Rev	Security
As Shown	PRE	P5	STD

Drawing Number
229100412-MMD-13-XX-DR-D-1006

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