

ISO A1 594mm x 841mm
Approved: MOD
Checked: DM
Drawn by: KM
Project Management Initials:
Last saved by: MCGOVERNT(2023.09.27) Last Plotted: 2023.09.27
Filename: \\NA.AECOM\NET\COM\ES\EN\AED\B\2\DCS\PROJECTS\CI\60690914_GLENAGEARY\GATE\000_CAD_GIS\910_CAD\004_CE01_WIP\02_SHEETS\60690914-ACM-00-00-DR-CE-10-0501-PROPOSED DRAINAGE LAYOUT.DWG

EXISTING SURFACE WATER
SEWER AND WAYLEAVE TO BE
MAINTAINED. REFER TO
SECTION 3.1 OF AECOM'S
INFRASTRUCTURE REPORT
FOR FURTHER INFORMATION.

PROPOSED WASTEWATER
OUTFALL CONNECTION FROM
PROPOSED DEVELOPMENT ON
SALLYNOGGIN ROAD.

SHALLOW COVER TO AVOID 315mm
WATERMAIN. FOUL PIPE WITH
CONCRETE SURROUND. REFER TO
IRISH WATER STD-WW-08.

PROPOSED MANHOLE ON
EXISTING FOUL LINE.

PROPOSED MANHOLE
CL: 43.51
IL: 42.29
PROPOSED CONNECTION
AT IL 42.298

BUILDING LINE GROUND FLOOR
LEVEL

PROPOSED HYDROBRAKE
MANHOLE. DISCHARGE
RESTRICTED TO 3.3 l/s AT A
DESIGN HEAD OF 1.7m.
IL: 41.536
SUMP LEVEL: 41.226

SALLYNOGGIN ROAD

GLENAGEARY AVENUE

SEARY
UNDABOUT

R118

EXISTING WASTEWATER
MANHOLE.
PROPOSED CONNECTION
AT IL 42.179

RUNOFF COLLECTED IN
BASEMENT AND PUMPED TO
STAND OFF MANHOLE (TO IRISH
WATER STANDARD DETAIL
STD-WW-29. A VENT STACK TO
BE PROVIDED AND COMPLIANT
WITH STD-WW-34.)

GRAVITY MANHOLE TO ALLOW
MAINTENANCE/RODDING.

CHANNEL DRAIN AT TOP OF
BASEMENT RAMP TO REDUCE
RUNOFF ENTERING BASEMENT
DRAINAGE NETWORK.

PROPOSED STORMTECH
ATTENUATION TANK. 1.4m DEPTH. 160
m³
CL: 43.7
TWL: 43.5
IL: 42.1

LEGEND:

- EXISTING SURFACE WATER SEWER..... EX_SW
- EXISTING SURFACE WATER TO BE
DECOMMISSIONED..... EX_SW
- 3m WAYLEAVE TO EXISTING SURFACE
WATER SEWER..... EX_SW
- EXISTING COMBINED SEWER..... EXST_CS
- PROPOSED SURFACE WATER SEWER..... SW
- PROPOSED SURFACE WATER
CONNECTION.....
- PROPOSED PERMEABLE PAVING DRAIN.....
- PROPOSED FOUL WATER SEWER..... FW
- FOUL PIPE WITH CONCRETE SURROUND
(STD-WW-08)..... FW
- STORM PIPE WITH CONCRETE SURROUND
(STD-W-13)..... SW
- PROPOSED PRIVATE FOUL WATER DRAIN.....
- PROPOSED FOUL/SURFACE WATER
INSPECTION CHAMBERS.....
- PROPOSED CHANNEL DRAIN (D400
COVER AND FRAME) DISCHARGING TO
SURFACE WATER NETWORK..... CD

EXISTING SURFACE WATER
SEWER TO BE DECOMMISSIONED
AND CAPPED AT BOUNDARY.

SURFACE WATER NETWORK DETAILS

Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	Base Flow (l/s)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)	US D.Depth (m)
1.000	S1	17.180	0.101	170.1		42.385	42.284	43.600	225	0.990
1.001	S2	17.180	0.101	170.1	0.1	42.284	42.183	43.600	225	1.091
1.002	S3	13.800	0.082	170.0		42.183	42.101	43.600	225	1.192
2.000	S4	7.800	0.045	169.6	0.2	42.300	42.254	43.600	225	1.075
1.003	S5	20.716	0.122	170.0		42.101	41.979	43.600	225	1.274
1.004	S6	34.239	0.260	131.7		41.979	41.719	43.600	225	1.396
3.000	S7	15.935	0.248	64.3	0.3	42.500	42.252	43.600	225	0.875
1.005	S8	31.294	0.183	170.6		41.719	41.536	43.600	225	1.656
4.000	S9	18.683	0.110	169.8	0.2	42.318	42.208	43.700	225	1.157
4.001	S10	17.921	0.105	170.7	0.2	42.208	42.103	43.700	225	1.267
4.002	S11	32.610	0.192	169.8	0.1	42.103	41.911	43.700	225	1.372
4.003	S12	11.678	0.069	169.2	0.1	41.906	41.837	43.700	225	1.569
4.004	S13	49.810	0.292	170.0		41.837	41.545	43.700	225	1.638
1.006	S14	14.610	0.086	170.0		41.536	41.450	43.500	225	1.739

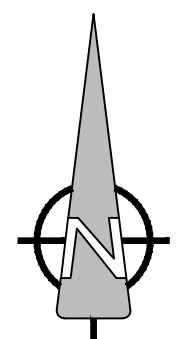
FOUL WATER NETWORK DETAILS

Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)	US D.Depth (m)
F1.000	F1	20.353	0.102	200.0	42.400	42.298	43.800	225	1.175
F2.000	F2	2.398	0.012	200.0	42.257	42.245	43.800	225	1.318
F2.001	F3	13.249	0.066	200.0	42.245	42.179	43.800	225	1.330

A PROPOSED DRAINAGE LAYOUT

0501

Scale: 1:250



AECOM

PROJECT

GLENAGEARY GATE LRD, AT
JUNCTION OF SALLYNOGGIN
ROAD LOWER AND
GLENAGEARY AVENUE,
GLENAGEARY, CO.DUBLIN

CLIENT

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NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
- ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
- DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
- THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
- MANHOLE COVERS AND FRAMES IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON, CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH BS EN 124:2015.
- GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124:2015.
- EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
- SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.9m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
- ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
- CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES/ MANHOLES. ANY SUB-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
- ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN STRATEGIC DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
- ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.

AECOM PLANNING

ISSUE/REVISION

3	29/09/2023	ISSUED FOR REVISED PLANNING
2	18/04/2023	PLANNING ISSUE
1	16.02.2023	LRD MEETING UPDATES
0	10.01.2023	ISSUED FOR LRD MEETING
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60690914

SHEET TITLE

PROPOSED DRAINAGE LAYOUT

SHEET NUMBER

60690914-ACM-00-00-DR-CE-10-0501

ORDNANCE SURVEY IRELAND LICENCE NO CYAL50217544
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