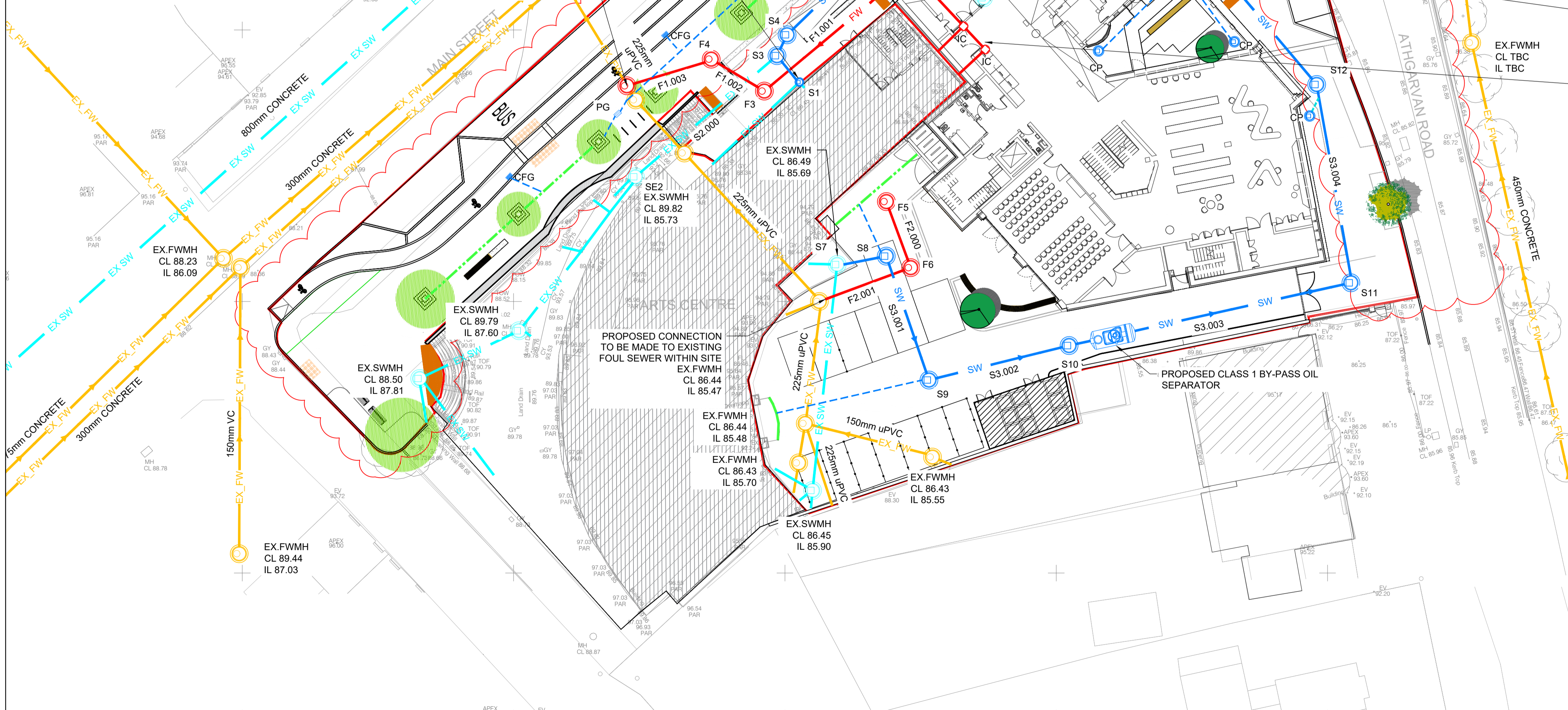


SURFACE WATER NETWORK DETAILS									
Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)	US Cover Depth (m)
S1.000	S1	3.195	0.033	97	86.020	85.987	86.450	225	0.205
S2.000	E2	17.160	0.322	53	85.730	85.408	89.820	150	3.940
S1.001	S3	2.134	0.013	164	85.333	85.320	86.500	225	0.942
S1.002	S4	14.401	0.085	169	85.320	85.235	86.500	225	0.955
S1.003	S5	14.570	0.086	169	85.235	85.149	86.700	225	1.240
S1.004	S6	7.910	0.079	100	85.149	85.070	86.500	225	1.126
S3.000	S7	4.589	0.048	96	85.800	85.552	86.460	225	0.835
S3.001	S8	12.067	0.082	147	85.300	85.218	86.450	225	0.925
S3.002	S9	13.294	0.076	175	85.218	85.142	86.450	225	1.007
S3.003	S10	26.223	0.150	175	85.142	84.992	86.550	225	1.183
S3.004	S11	20.043	0.115	175	84.992	84.878	86.120	225	0.903
S3.005	S12	27.254	0.182	150	84.878	84.696	86.100	225	0.987
S1.005	S13	33.121	0.414	80	84.696	84.282	86.500	225	1.579

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 Cover Depth (m)
F1.000	F1	13.233	0.158	84	85.600	85.442	86.630	150	0.880
F1.001	F2	17.478	0.129	136	85.442	85.313	86.800	150	1.208
F1.002	F3	5.712	0.092	62	85.313	85.221	86.500	150	1.037
F1.003	F4	7.897	0.058	136	85.221	85.163	87.100	150	1.729
F2.000	F5	6.477	0.048	135	85.600	85.552	86.460	150	0.710
F2.001	F6	8.977	0.066	136	85.552	85.486	86.450	150	0.748



LEGEND:	
EXISTING FOUL WATER SEWER.....	EX_FW
EXISTING SURFACE WATER SEWER.....	EX_SW
PROPOSED FOUL WATER DRAIN.....	FW
PROPOSED SURFACE WATER DRAIN.....	SW
PROPOSED CATCHPIT CHAMBER.....	CP
PROPOSED OIL SEPARATOR.....	OS
ROAD GULLY.....	RG
PROPOSED SLOT DRAIN.....	SD
PROPOSED CYCLE FRIENDLY GRATE.....	CFG
PEDESTRIAN GULLY.....	PG

AECOM

PROJECT
KILDARE COUNTY LIBRARY,
NEWBIDGE, CO. KILDARE.

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COUNCIL

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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.
- DRAWING TO BE READ IN CONJUNCTION WITH LANDSCAPE ARCHITECT DRAWINGS.
- 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.
- EXISTING SERVICES SHOWN ON DRAWINGS ARE BASED ON GPR SURVEY CARRIED OUT BY MURPHY GEOSPATIAL (MGS2401.44975.U) & CCTV SURVEY CARRIED OUT BY MCBREEN ENVIRONMENTAL ON THE 4TH APRIL 2022.
- THE TOPOGRAPHICAL SURVEY WAS PROVIDED BY MURPHY GEOSPATIAL, DATED 16TH DEC 2021.
- 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 124-2:2015.
- GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124-2:2015.
- 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 PIPES Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
- 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.
- PROPOSED PIPEWORKS WITH COVER TO GROUND BETWEEN 750mm AND 1.2m TO BE CONCRETE SURROUNDED.
- FOR THE EXISTING DRAINS TO BE DIVERTED PLEASE REFER TO DRAWING 60669624-ACM-XX-00-DR-CE-10-0502.
- FOR PROPOSED SUDDS SYSTEMS LAYOUT PLEASE REFER TO DRAWING 60669624-ACM-XX-00-DR-CE-10-0520.

AECOM PLANNING

ISSUE/REVISION

NO	DATE	DESCRIPTION
3	10.03.2023	UPDATED PART 8 ISSUE
2	07.10.2022	PART 8 ISSUE
1	20.05.2022	DRAFT STAGE 2 ISSUE
0	14.03.2022	DRAFT STAGE 2 ISSUE
I/R	DATE	DESCRIPTION

PROJECT NUMBER
60669624

SHEET TITLE
PROPOSED DRAINAGE LAYOUT

SHEET NUMBER
60669624-ACM-XX-00-DR-CE-10-0501

ORDNANCE SURVEY IRELAND LICENCE NO CYAL50217444
ORDNANCE SURVEY IRELAND / GOVERNMENT OF IRELAND