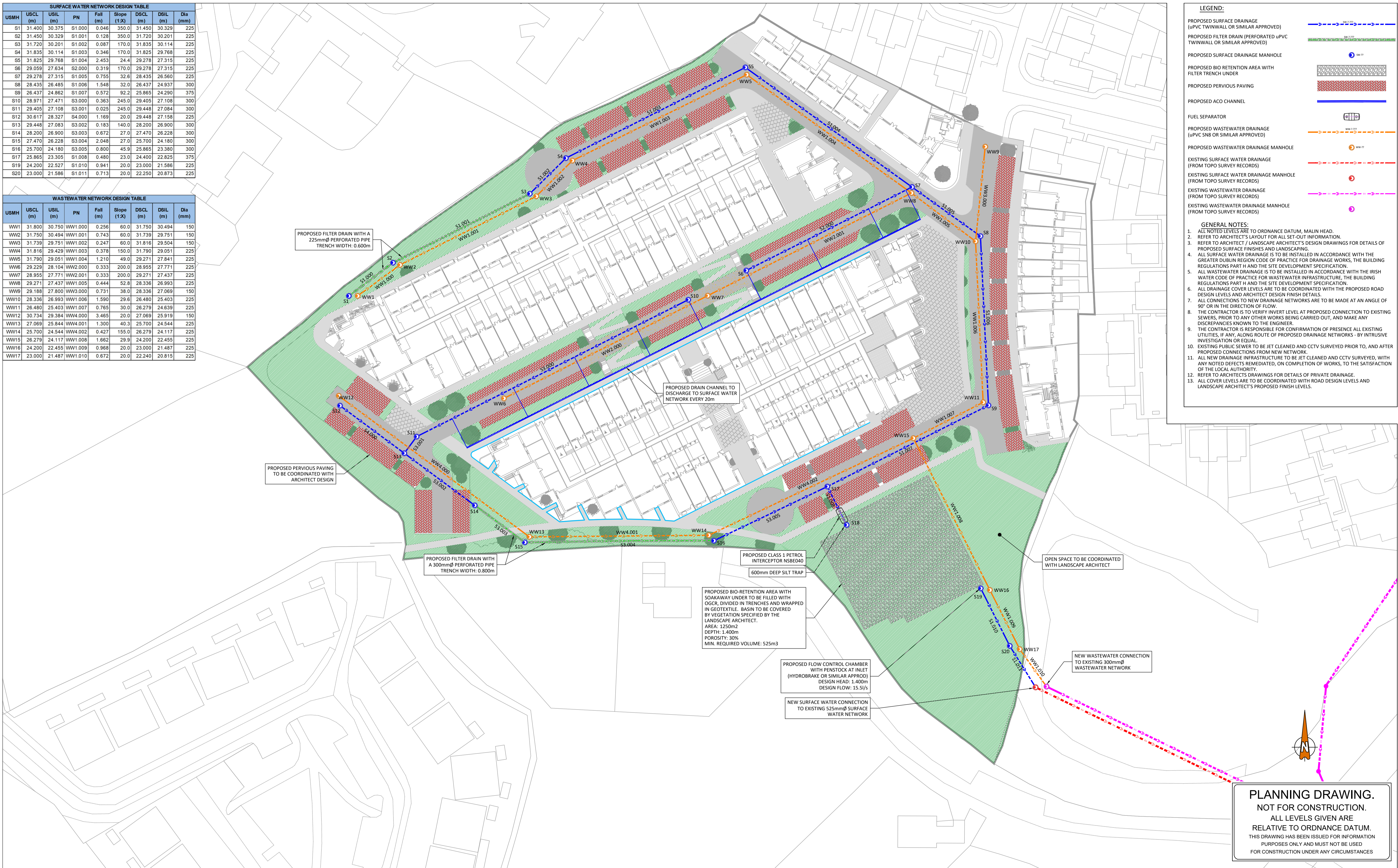


SURFACE WATER NETWORK DESIGN TABLE								
USMH	USCL (m)	USIL (m)	PN	Fall (m)	Slope (1:X)	DSCL (m)	DSIL (m)	Dia (mm)
S1	31.400	30.375	S1.000	0.046	350.0	31.450	30.329	225
S2	31.450	30.329	S1.001	0.128	350.0	31.720	30.201	225
S3	31.720	30.201	S1.002	0.087	170.0	31.835	30.114	225
S4	31.835	30.114	S1.003	0.346	170.0	31.825	29.768	225
S5	31.825	29.768	S1.004	2.453	24.4	29.278	27.315	225
S6	29.059	27.634	S2.000	0.319	170.0	29.278	27.315	225
S7	29.278	27.315	S1.005	0.755	32.6	28.435	26.560	225
S8	28.435	26.485	S1.006	1.548	32.0	26.437	24.937	300
S9	26.437	24.862	S1.007	0.572	92.2	25.965	24.290	375
S10	28.971	27.471	S3.000	0.363	245.0	29.405	27.108	300
S11	29.405	27.108	S3.001	0.025	245.0	29.448	27.084	300
S12	30.617	28.327	S4.000	1.169	20.0	29.448	27.158	225
S13	29.448	27.083	S3.002	0.183	140.0	28.200	26.900	300
S14	28.200	26.900	S3.003	0.672	27.0	27.470	26.228	300
S15	27.470	26.228	S3.004	2.048	27.0	25.700	24.180	300
S16	25.700	24.180	S3.005	0.800	45.9	25.965	23.380	300
S17	25.965	23.305	S1.008	0.480	23.0	24.400	22.825	375
S19	24.200	22.527	S1.010	0.941	20.0	23.000	21.586	225
S20	23.000	21.586	S1.011	0.713	20.0	22.250	20.873	225

WASTEWATER NETWORK DESIGN TABLE								
USMH	USCL (m)	USIL (m)	PN	Fall (m)	Slope (1:X)	DSCL (m)	DSIL (m)	Dia (mm)
WW1	31.800	30.750	WW1.000	0.256	60.0	31.750	30.494	150
WW2	31.750	30.494	WW1.001	0.743	60.0	31.739	29.751	150
WW3	31.739	29.751	WW1.002	0.247	60.0	31.816	29.504	150
WW4	31.816	29.429	WW1.003	0.378	150.0	31.790	29.051	225
WW5	31.790	29.051	WW1.004	1.210	49.0	29.271	27.841	225
WW6	29.229	28.104	WW2.000	0.333	200.0	28.955	27.771	225
WW7	28.955	27.771	WW2.001	0.333	200.0	29.271	27.437	225
WW8	29.271	27.437	WW1.005	0.444	52.8	28.336	26.993	225
WW9	29.188	27.800	WW3.000	0.731	38.0	28.336	27.069	150
WW10	28.336	26.993	WW1.006	1.590	29.6	26.480	25.403	225
WW11	26.480	25.403	WW1.007	0.765	30.0	26.279	24.639	150
WW12	30.734	29.384	WW4.000	3.465	20.0	27.069	25.919	225
WW13	27.069	25.844	WW4.001	1.300	40.3	25.700	24.544	225
WW14	25.700	24.544	WW4.002	0.427	155.0	26.279	24.117	225
WW15	26.279	24.117	WW1.008	1.662	29.9	24.200	22.455	225
WW16	24.200	22.455	WW1.009	0.968	20.0	23.000	21.487	225
WW17	23.000	21.487	WW1.010	0.672	20.0	22.240	20.815	225



LEGEND:

- PROPOSED SURFACE DRAINAGE (uPVC TWINWALL OR SIMILAR APPROVED)
- PROPOSED FILTER DRAIN (PERFORATED uPVC TWINWALL OR SIMILAR APPROVED)
- PROPOSED SURFACE DRAINAGE MANHOLE
- PROPOSED BIO RETENTION AREA WITH FILTER TRENCH UNDER
- PROPOSED PERVIOUS PAVING
- PROPOSED AC0 CHANNEL
- FUEL SEPARATOR
- PROPOSED WASTEWATER DRAINAGE (uPVC S8 OR SIMILAR APPROVED)
- PROPOSED WASTEWATER DRAINAGE MANHOLE
- EXISTING SURFACE WATER DRAINAGE (FROM TOPO SURVEY RECORDS)
- EXISTING SURFACE WATER DRAINAGE MANHOLE (FROM TOPO SURVEY RECORDS)
- EXISTING WASTEWATER DRAINAGE (FROM TOPO SURVEY RECORDS)
- EXISTING WASTEWATER DRAINAGE MANHOLE (FROM TOPO SURVEY RECORDS)

GENERAL NOTES:

- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
- REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
- REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
- ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
- ALL WASTEWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
- ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH THE PROPOSED ROAD DESIGN LEVELS AND ARCHITECT DESIGN FINISH DETAILS.
- ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
- THE CONTRACTOR IS TO VERIFY INVERT LEVEL AT PROPOSED CONNECTION TO EXISTING SEWERS, PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED DRAINAGE NETWORKS - BY INTRUSIVE INVESTIGATION OR EQUAL.
- EXISTING PUBLIC SEWER TO BE JET CLEANED AND CCTV SURVEYED PRIOR TO, AND AFTER PROPOSED CONNECTIONS FROM NEW NETWORK.
- ALL NEW DRAINAGE INFRASTRUCTURE TO BE JET CLEANED AND CCTV SURVEYED, WITH ANY NOTED DEFECTS REMEDIATED, ON COMPLETION OF WORKS, TO THE SATISFACTION OF THE LOCAL AUTHORITY.
- REFER TO ARCHITECTS DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
- ALL COVER LEVELS ARE TO BE COORDINATED WITH ROAD DESIGN LEVELS AND LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.

PLANNING DRAWING.
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 RELATIVE TO ORDNANCE DATUM.
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION
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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	17.12.20	SUITABLE FOR INFORMATION	AB	DR
P02	18.12.20	SUITABLE FOR INFORMATION	AB	DR
P03	19.03.21	SUITABLE FOR PLANNING	AB	DR

Rev No.	Date	Revision Note	Drn by	Chkd by

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Client: GALWAY CITY COUNCIL
 Project: HOUSING AT MERLIN PARK
 MERLIN PARK, GALWAY
 Title: DRAINAGE LAYOUT

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
G477	OCSC	XX	XX	DR	C	0500	S4	P03

Date: DEC'20 Scale: 1:500 @ A1 Drn by: AB Chkd by: DR Aprvd by: AH