

GENERAL NOTES:

- ALL NOTED LEVELS ARE TO ORDINANCE 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.
- REFER TO ARCHITECT DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
- ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
- ALL CAR PARK DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, 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 (REVISION 2 - JULY 2020), THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
- ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH PROPOSED ROAD DESIGN LEVELS AND ARCHITECT/LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.
- ALL BASEMENT CHAMBER COVERS TO BE DOUBLE SEALED, AND CLASSIFICATION D400 LOADING WHERE LOCATED IN VEHICULAR AREAS.
- ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
- REFER TO ARCHITECT AND M&E ENGINEERING DESIGN DRAWINGS FOR CONFIRMATION OF LOCATION AND SPECIFICATION OF FLOOR GULLIES.
- REFER TO M&E ENGINEERING DESIGN FOR CONFIRMATION OF WASTE AND SANITARY POP-UP/OUTLET LOCATIONS.
- 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.

SURFACE WATER NETWORK DESIGN TABLE									
NAME	US NODE	USCL (m)	DS NODE	DSCL (m)	LENGTH (m)	USIL (m)	DSIL (m)	SLOPE (1:X)	DIA. (mm)
SW/1.000	SW/1	22.000	SW/2	21.950	58.271	21.500	20.917	100.0	150
SW/1.001	SW/2	21.950	SADDLE	21.950	11.600	20.917	20.801	100.0	150
SW/2.000	SW/3	21.950	SW/4	21.950	52.646	20.483	20.173	170.0	225
SW/2.001	SW/4	21.950	SADDLE	21.950	3.830	20.173	20.150	170.0	225
SW/1.002	SADDLE	21.950	SW/5	21.450	21.650	20.150	19.789	60.0	225
SW/1.003	SW/5	21.450	SW/7	21.450	30.578	19.789	19.279	60.0	225
SW/3.000	SW/6	20.950	SW/7	21.450	19.955	19.396	19.279	170.0	225
SW/1.004	SW/7	21.450	SW/8	21.450	19.429	19.204	19.125	245.0	300
SW/1.005	SW/8	21.450	SW/12	21.150	16.710	19.125	19.057	245.0	300
SW/4.000	SW/9	21.950	SW/10	21.000	34.601	20.408	19.975	80.0	225
SW/4.001a	SW/10	21.000	SADDLE1	21.000	4.399	19.975	19.949	170.0	225
SW/5.000	PERF. PIPE1	21.450	SW/AJ1	21.000	35.541	20.411	20.056	100.0	150
SW/5.001	SW/AJ1	21.000	SADDLE1	21.000	3.214	20.056	20.024	100.0	150
SW/4.001b	SADDLE1	21.000	SW/11	21.000	5.047	19.949	19.919	170.0	225
SW/4.002a	SW/11	21.000	SADDLE2	21.150	3.239	19.919	19.900	170.0	225
SW/6.000	PERF. PIPE2	21.150	SW/AJ2	21.000	28.779	20.284	19.996	100.0	150
SW/6.001	SW/AJ2	21.000	SADDLE2	21.150	2.117	19.996	19.975	100.0	150
SW/4.002b	SADDLE2	21.150	SW/12	21.150	34.623	19.825	19.621	170.0	300
SW/1.006	SW/12	21.150	SW/13	21.150	5.251	18.982	18.966	324.0	375
SW/1.007	SW/13	21.150	SW/14	20.700	12.482	18.966	18.927	324.0	375
SW/1.008	SW/14	20.700	SW/16	20.700	14.192	18.927	18.839	160.6	375
SW/7.000	PERF. PIPE3	21.450	PERF. PIPE4	21.150	24.922	20.300	20.051	100.0	150
SW/7.001	PERF. PIPE4	21.150	PERF. PIPE5	21.150	3.050	20.051	20.020	100.0	150
SW/7.002	PERF. PIPE5	21.150	SW/AJ3	21.150	7.515	20.020	19.895	60.0	150
SW/8.000	PERF. PIPE6	21.000	PERF. PIPE7	21.000	17.734	20.254	19.958	60.0	150
SW/8.001	PERF. PIPE7	21.000	SW/AJ3	21.150	3.695	19.958	19.895	58.7	150
SW/7.003	SW/AJ3	21.150	SW/15	20.700	8.847	19.820	19.491	26.9	225
SW/7.004	SW/15	20.700	SW/16	20.700	14.537	19.001	18.915	170.0	225
SW/1.009	SW/16	20.700	SW/17	21.100	11.674	18.757	18.688	170.0	375
SW/1.010	SW/17	21.100	SW/18	20.900	10.218	18.688	18.628	170.0	225
SW/1.011	SW/18	20.900	SW/OUTFALL	20.330	11.907	18.628	18.558	170.0	225

WASTEWATER NETWORK DESIGN TABLE									
NAME	US NODE	USCL (m)	DS NODE	DSCL (m)	LENGTH (m)	USIL (m)	DSIL (m)	SLOPE (1:X)	DIA. (mm)
WW/1.000	WW/1	21.950	WW/2	21.950	16.243	20.825	20.554	60.0	225
WW/1.001	WW/2	21.950	WW/3	21.950	44.822	20.554	20.255	150.0	225
WW/1.002	WW/3	21.950	WW/4	21.450	19.596	20.255	20.124	150.0	225
WW/1.003	WW/4	21.450	WW/5	21.450	52.855	20.124	19.772	150.0	225
WW/1.004	WW/5	21.450	WW/6	21.150	13.650	19.772	19.704	200.0	225
WW/1.005	WW/6	21.150	WW/7	20.900	35.826	19.704	19.525	200.0	225
WW/1.006	WW/7	20.900	WW/9	20.900	4.033	19.525	19.505	200.0	225
WW/2.000	WW/8	21.950	WW/9	20.900	59.322	20.494	19.505	60.0	225
WW/1.007	WW/9	20.900	WW/OUTFALL	20.370	7.035	19.505	19.470	200.0	225

ATTENUATION SYSTEM
 PERFORATED PIPE RUNNING THROUGH CLAUSE S05 STONE WRAPPED IN GEO-TEXTILE MEMBRANE. [350m² x 0.680m, IL = 18.757m]
 LINED ATTENUATION BASIN TO BE CONSTRUCTED 300mm OVER STONE.
 [CL: +20.700m, IL: +19.736m, BANKS @ 1:5] [AREA @ BASE = 140m², AREA @ TOP = 425m²]
 TOP WATER LEVEL WITHIN SYSTEM DURING 100 YEAR +20% CRITICAL STORM DURATION = +20.515m

ORIFICE FITTED TO OUTLET.
 DESIGN DEPTH: +1.500m
 DESIGN FLOW: 3.0 l/s

PROPOSED CLASS 1 BYPASS SEPARATOR, KLARGESTER FUEL INTERCEPTOR NSB015 OR SIMILAR APPROVED TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

600mm DEEP SILT TRAP MANHOLE.

MANHOLE COVERS TO BE GRATED.

PROPOSED FLOW CONTROL CHAMBER WITH PENSTOCK AT INLET. HYDROBRAKE OR SIMILAR APPROVED INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 DESIGN HEAD: +1.800m
 DESIGN FLOW: 2.6 l/s

WASTEWATER NETWORK DISCHARGE LOCATION.
 EXISTING COVER LEVEL: +20.370m
 EXISTING INVERT LEVEL: +19.390m

SURFACE WATER NETWORK DISCHARGE LOCATION.
 EXISTING COVER LEVEL: +20.330m
 EXISTING INVERT LEVEL: +18.500m

LEGEND:

- UPVC TWINWALL SURFACE WATER DRAINAGE OR SIMILAR APPROVED
- UPVC TWINWALL PERFORATED SURFACE WATER DRAINAGE OR SIMILAR APPROVED
- 100mm ϕ PRIVATE CONNECTION uPVC PIPE
- UPVC SNB WASTEWATER DRAINAGE OR SIMILAR APPROVED
- 1200mm ϕ WASTEWATER DRAINAGE PRECAST CONCRETE MANHOLE
- SURFACE WATER DRAINAGE PRECAST CONCRETE MANHOLE
- TRAPPED ROAD GULLY
- 450mm x 450mm SURFACE WATER INSPECTION CHAMBER
- KLARGESTER CLASS 1 BYPASS NSB FUEL SEPARATOR
- SURFACE WATER ACO, WITH D400 GRATED CHANNEL [IN ACCORDANCE WITH MANUFACTURE'S GUIDELINES & RECOMMENDATIONS]
- BLUE ROOF EXTENT
- FILTER DRAIN
- INTEGRATED CONSTRUCTED TREE PIT / TRENCH
- PERVIOUS PAVING
- EXISTING SURFACE WATER DRAINAGE
- EXISTING SURFACE WATER DRAINAGE MANHOLE
- EXISTING WASTEWATER DRAINAGE
- EXISTING WASTEWATER DRAINAGE MANHOLE

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- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DESIGN TEAM DRAWINGS AND SPECIFICATIONS.
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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	22.01.24	SUITABLE FOR INFORMATION	COR	PR
P02	29.02.24	SUITABLE FOR INFORMATION	MF	PR
P03	19.03.24	DRAFT PLANNING - ARCH LAYOUT UPDATED	RM	PR
P04	13.08.24	SUITABLE FOR PLANNING	COR	COM
P05	23.09.24	FOR PLANNING - ARCH LAYOUT UPDATED	RM	COM

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Client: **BARTRA PROPCO 23 LIMITED**
 Project: **MOUNTGORRY LRD SWORDS**
 Title: **PROPOSED DRAINAGE LAYOUT**

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
B1054	OCSC	XX	XX	DR	C	0500	S4	P05

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