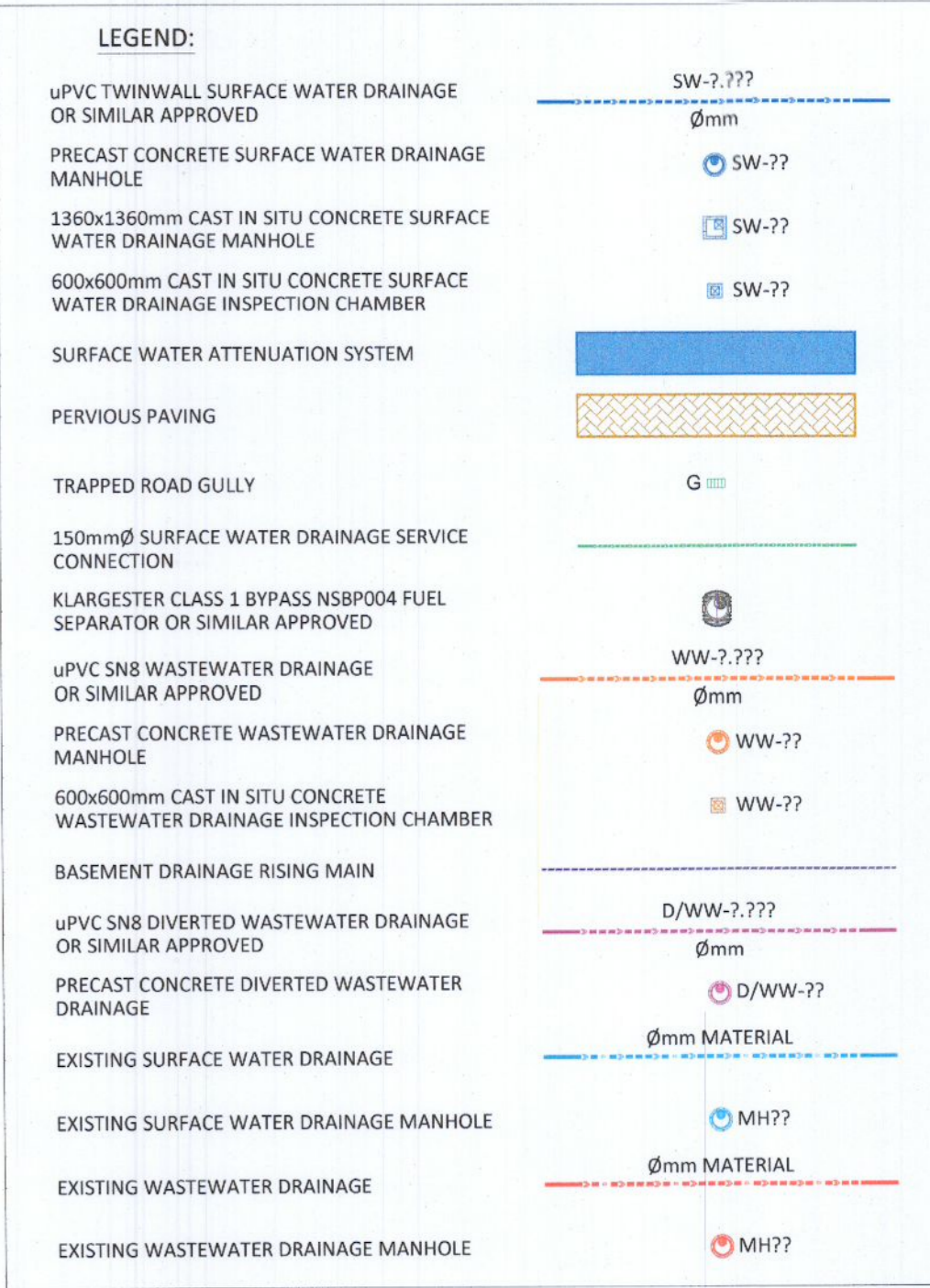


- GENERAL NOTES:**
1. ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MAIN HEAD.
 2. REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
 3. REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
 4. ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 5. 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.
 6. ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH THE PROPOSED ROAD DESIGN LEVELS AND ARCHITECT DESIGN FINISH DETAILS.
 7. ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
 8. 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.
 9. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED DRAINAGE NETWORKS - BY INTRUSIVE INVESTIGATION OR EQUAL.
 10. 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.
 11. ALL COVER LEVELS ARE TO BE COORDINATED WITH ROAD DESIGN LEVELS AND LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.



Wastewater Network Design Tables

USMH	USCL (m)	PN	USIL (m)	Slope (1:X)	DSL (m)	Dia (mm)
F1	104.00	F1.000	102.575	200.00	102.363	225
F6	103.90	F1.001	100.607	200.00	100.507	225
F7	103.47	F1.002	100.507	200.00	100.477	225
F13	103.40	F1.003	100.477	200.00	100.279	225
F14	103.40	F1.004	100.279	200.00	100.251	225
F15	103.40	F5.000	101.975	200.00	101.935	225
F18	103.40	F1.007	100.182	200.00	100.098	225
F19	102.40	F1.008	100.098	199.90	99.810	225
F20	102.00	F1.009	99.810	200.00	99.734	225
F21	102.00	F1.010	99.734	200.00	99.643	225
F22	101.40	F1.011	99.643	200.00	99.462	225
F23	101.40	F1.012	99.462	200.00	99.423	225
F24	103.02	F6.000	101.490	33.50	100.853	300
F25	102.60	F6.001	100.833	33.50	100.418	300

Surface Water Network Design Tables

USMH	USCL (m)	PN	USIL (m)	Slope (1:X)	DSL (m)	Dia (mm)
S1	104	S1.000	102.575	170	102.323	225
S2	103.9	S1.001	102.323	66.4	102.022	225
S3	103.47	S2.000	102.045	170	102.022	225
S4	103.47	S1.002	102.022	170	101.968	225
S8	103.4	S1.003	100.977	170	100.744	300
S9	103.47	S4.000	102.72	169.5	102.661	225
S10	103.47	S4.001	102.661	170	102.484	225
S11	103.2	S1.004	100.669	325	100.597	225
S18	102.1	S5.003	100.257	98.6	100.077	225
S19	102.3	S1.008	99.927	173.8	99.917	375
S20	102.3	S1.009	99.917	170	99.877	225
S21	102.2	S1.010	99.877	170	99.821	225
S22	102	S1.011	99.821	170	99.7	225
S23	101.1	S1.012	99.7	170	99.467	225
S24	101.1	S1.013	99.467	170	99.412	225

PLANNING DRAWING.
 NOT FOR CONSTRUCTION.
 ALL LEVELS GIVEN ARE
 RELATIVE TO ORDNANCE DATUM.
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION
 PURPOSES ONLY AND MUST NOT BE USED
 FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

ESTIMATED NOISE LEVEL OF SUBMERGED PUMP OPERATING UNDER NORMAL CONDITIONS NOT GREATER THAN 70 dB(A). ADDITIONAL MITIGATION TO BE PROVIDED INCLUDING POLYCHLOROPRENE SEAL TO PREVENT ODOUR ESCAPING AND VENTING AT DEVELOPMENT ROOF LEVEL. REFER TO ENGINEERING SERVICES REPORT FOR FURTHER DETAIL.

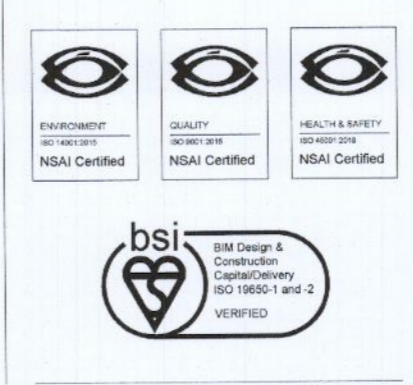
ATTENUATION SYSTEM: ESS ECOCELL MODULAR TANK OR SIMILAR APPROVED
 TOTAL VOLUME REQUIRED: 420m³
 AREA: 350m²
 HEIGHT: 1.2m
 POROSITY SYSTEM: 95%
 ILL: 99.927m AOD
 CL: 102.300m AOD

ATTENUATION VOLUME DESIGNED TO ACCOMMODATE FUTURE DEVELOPMENT SUBJECT TO SEPARATE APPLICATION

HYDROBRAKE MANHOLE
 FLOW DESIGN: 4.0 l/s
 DESIGN HEAD: 2.4m AOD
 ILL: 99.927m AOD
 MANHOLE WITH PENSTOCK VALVE

Rev No.	Date	Revision Note	Drn by	Chkd by	Rev No.	Date	Revision Note	Drn by	Chkd by
PO1	05.09.22	SUITABLE FOR INFORMATION	COR	PR					
PO2	14.09.22	SUITABLE FOR PLANNING	COR	PR					
PO3	15.09.22	SUITABLE FOR PLANNING	JC	PR					

- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
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Client: **BARTRA PROPERTY COOKSTOWN LIMITED**
 Project: **TRANSITIONAL CARE FACILITY**
 Title: **COOKSTOWN INDUSTRIAL ESTATE, DUBLIN 24 DRAINAGE NETWORK DESIGN LAYOUT**

Code Originator | Zone | Level | Type | Role | Number | Status | Revision
B981 · OCSC · XX · XX · DR · C · 0505 · S4 · P03

Date: 05.09.22 Scale: 1:250 @ A1 Drn by: COR Chkd by: EH Aprvd by: PR