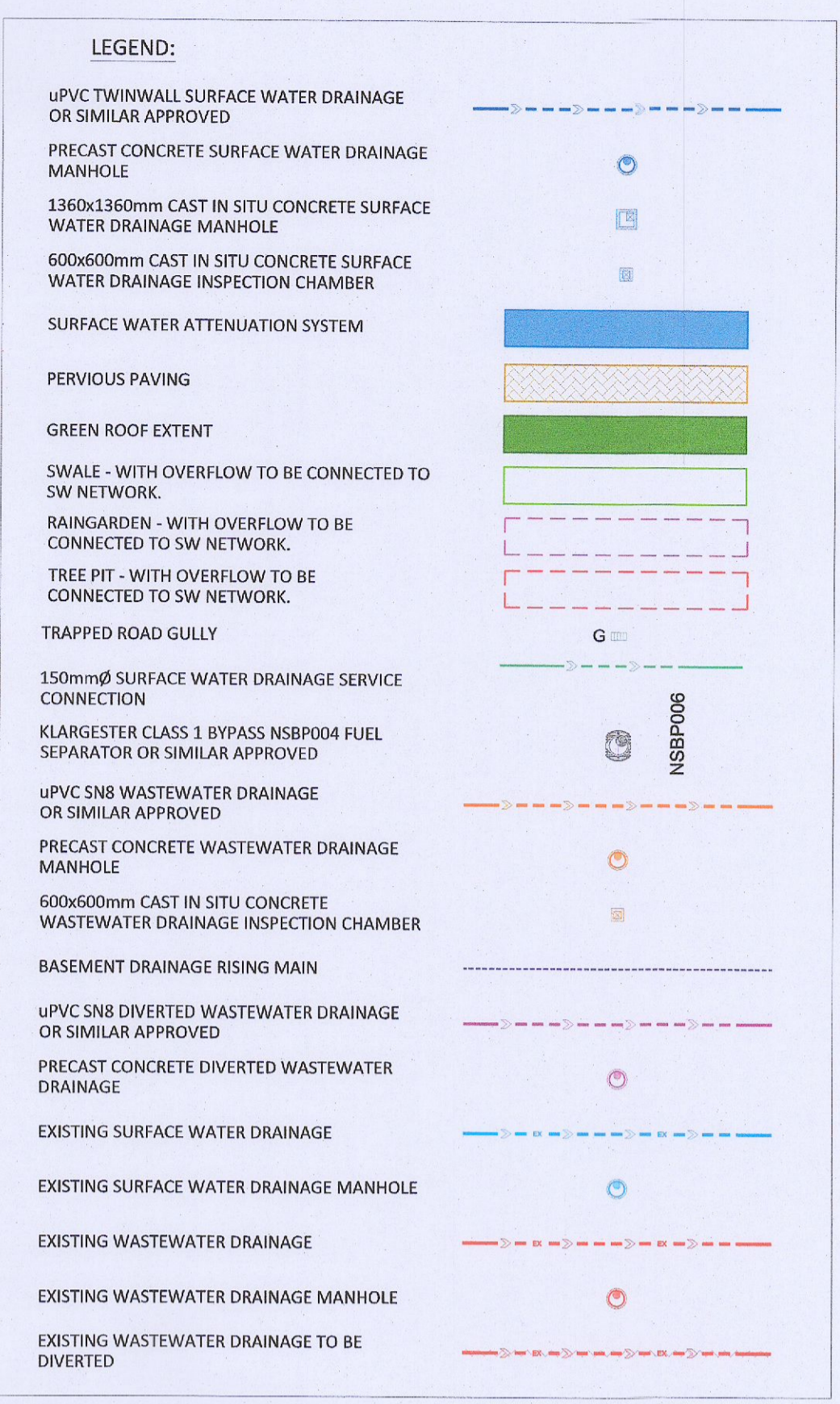


Wastewater Network Design Tables

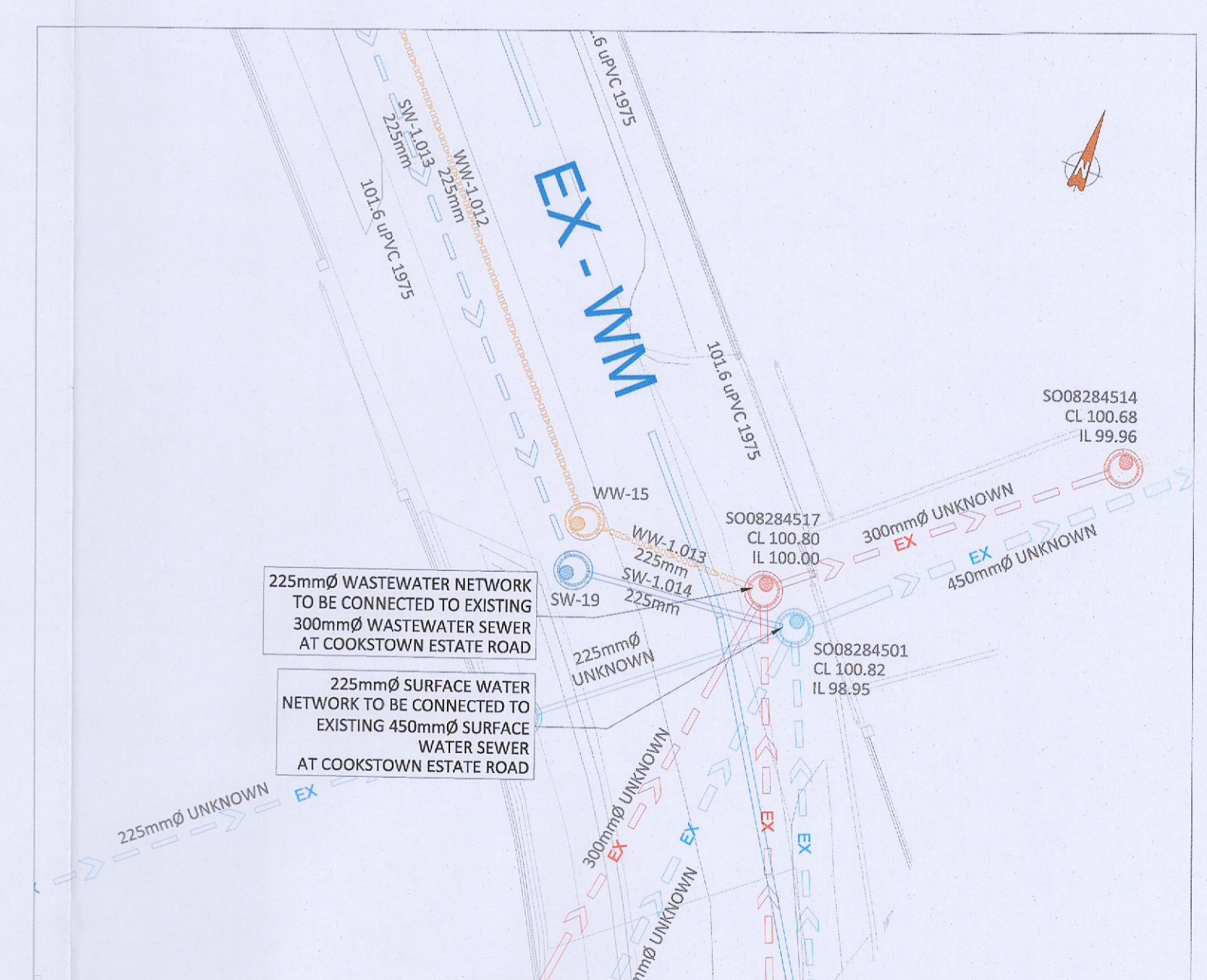
USMH	USCL (m)	PN	USIL (m)	Slope (1:X)	DSIL (m)	Dia (mm)
F1	104.000	F1.000	102.575	180.0	102.340	225
F2	103.900	F1.001	101.325	179.5	101.214	225
F3	103.470	F1.002	101.214	180.0	101.181	225
F4	103.400	F1.003	101.181	180.0	100.993	225
F5	103.400	F1.004	100.993	180.0	100.956	225
F6	103.400	F1.005	100.956	180.0	100.924	225
F7	103.400	F2.000	101.975	180.0	101.930	225
F8	103.400	F1.006	100.924	180.0	100.913	225
F9	103.400	F1.007	100.913	158.7	100.839	225
F10	103.400	F1.008	100.839	180.1	100.743	225
F11	102.400	F1.009	100.743	180.0	100.430	225
F12	102.000	F1.010	100.430	180.0	100.344	225
F13	102.000	F1.011	100.344	180.0	100.244	225
F14	101.400	F1.012	100.244	180.0	100.043	225
F15	101.400	F1.013	100.043	180.0	100.000	225

Surface Water Network Design Tables

USMH	USCL (m)	PN	USIL (m)	Slope (1:X)	DSIL (m)	Dia (mm)
S1	104.0	S1.000	102.575	170.0	102.323	225
S2	103.9	S1.001	102.323	66.4	102.022	225
S3	103.5	S2.000	102.470	186.5	102.447	225
S4	103.5	S1.002	102.022	170.3	101.968	225
S5	103.4	S1.003	101.968	170.0	101.771	225
S6	103.3	S1.004	101.771	170.0	101.730	225
S7	103.5	S3.000	102.720	169.5	102.661	225
S8	103.5	S3.001	102.661	170.0	102.484	225
S9	103.2	S1.005	101.580	325.0	101.508	375
S10	102.4	S1.006	101.508	258.2	101.495	375
S11	102.4	S1.007	101.495	325.3	101.358	375
S12	102.3	S1.008	101.358	325.0	101.352	375
S13	102.1	S4.000	100.257	98.7	100.077	225
S14	102.3	S1.009	99.927	175.2	99.917	375
S15	102.3	S1.010	99.917	170.0	99.874	225
S16	102.2	S1.011	99.874	170.0	99.808	225
S17	102.0	S1.012	99.808	153.5	99.687	225
S18	101.1	S1.013	99.687	167.6	99.454	225
S19	101.1	S1.014	99.454	170.0	99.399	225



- 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 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, 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.
 - 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.
 - ALL COVER LEVELS ARE TO BE COORDINATED WITH ROAD DESIGN LEVELS AND LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.



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

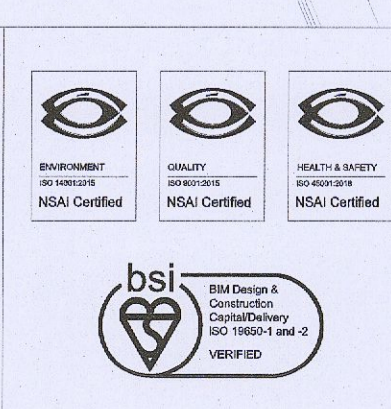
ESTIMATED NOISE LEVEL OF SUBMERGED PUMP OPERATING UNDER NORMAL CONDITIONS NOT GREATER THAN 70 dB(A). ADDITIONAL MITIGATION TO BE PROVIDED INCLUDING POLYCHLOROPRENE SEAL TO PREVENT ODOUR ESCAPING AND VENTING AT DEVELOPMENT ROOF LEVEL. REFER TO ENGINEERING SERVICES REPORT FOR FURTHER DETAIL.

ATTENUATION SYSTEM: ESS ECOCELL MODULAR TANK OR SIMILAR APPROVED TOTAL VOLUME REQUIRED: 420m³
 AREA: 350m²
 HEIGHT: 1.2m
 POROSITY SYSTEM: 95%
 IL: mAO
 CL: 102.300mAO
 ATTENUATION VOLUME DESIGNED TO ACCOMMODATE FUTURE DEVELOPMENT SUBJECT TO SEPARATE APPLICATION

SUDS ASPECT - PERMEABLE PAVING WITH OVERFLOW TO BE CONNECTED TO SW NETWORK
 FUTURE WASTEWATER CONNECTION TO ALLOW OUTFALL BY GRAVITY WHEN PUMP STATION IS NO LONGER REQUIRED THROUGH AGREEMENT WITH IRISH WATER

Rev No.	Date	Revision Note	Drn by	Chkd by
P01	05.09.22	SUITABLE FOR INFORMATION	COR	PR
P02	14.09.22	SUITABLE FOR PLANNING	COR	PR
P03	15.09.22	SUITABLE FOR PLANNING	JC	PR
P04	20.01.23	SUITABLE FOR PLANNING	COR	PR
P05	01.02.23	LANDSCAPE LAYOUT REVISED	COR	PR
P06	25.04.23	ADDITIONAL SUDS FEATURES ADDED	COR	PR

Rev No.	Date	Revision Note	Drn by	Chkd by



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Client: **BARTRA PROPERTY COOKSTOWN LIMITED**
 Project: **TRANSITIONAL CARE FACILITY COOKSTOWN INDUSTRIAL ESTATE, DUBLIN 24**
 Title: **DRAINAGE NETWORK DESIGN LAYOUT**

Code Originator: Zone | Level | Type | Role | Number | Status | Revision
 B981 · OCSC · XX · XX · DR · C · 0505 · S4 · P06
 Date: 05.09.22 Scale: 1:250 @ A1 Drn by: COR Chkd by: EH Aprvd by: PR