



UISCE ÉIREANN WAYLEAVE WITH REQUIRED CLEARANCE DISTANCE OF 10.0 m

ALL BUNDS TO BE FITTED WITH ENTEKOL SCS001 OIL SENSITIVE DEWATERING SYSTEM TO TRANSFORMER BUND OR EQUAL AND APPROVED, ENTEKOL SCS002 OR EQUAL AND APPROVED INTEGRATED CLASS 1 FULL RETENTION OIL SEPARATOR WITH INDEPENDENT CERTIFICATION OF COMPLIANCE.

ROAD GULLIES TO CONNECT TO TREE PIT WITH OVERFLOW TO SURFACE WATER DRAINAGE NETWORK

CONNECTION TO EXISTING MANHOLE
UE REF: 6001
C.L.: 29.66 mOD
I.L.: 21.23 mOD

6002
CL 28.5
IL 21.24

S1-6
STORMBREAKER (OR EQUIVALENT APPROVED) ATTENUATION TANK
VOLUME OF STORAGE PROVIDED:
54.2 m³

S1-7
HYDROBRAKE MANHOLE TO LIMIT
FLOW TO Q_{BAR} (10.7 l/s)

CONNECTION TO EXISTING SURFACE WATER MANHOLE
CL: 29.90 mOD
IL: 27.510 mOD

SURFACE WATER DRAINAGE TABLE										
Link ID	US Node ID	Length (m)	Slope (1-X)	Dia (mm)	US CL (m)	US IL (m)	DS CL (m)	DS IL (m)	Fall (m)	
S1.000	S1-0	44.548	100.8	150	30.500	29.367	30.500	29.325	0.442	
S1.001	S1-1	29.229	100.7	150	30.500	28.825	30.500	28.845	0.280	
FD1.000	CP1-0	59.132	500.0	225	30.500	29.800	30.500	29.862	0.118	
FD1.001	CP1-1	6.744	168.6	225	30.500	29.075	30.500	29.035	0.040	
S2.000	S2-0	32.600	60.0	100	30.500	29.800	30.500	29.257	0.543	
S2.001	S2-1	18.600	60.0	100	30.500	29.200	30.500	28.850	0.310	
S1.002	S1-2	28.334	169.7	225	30.500	28.570	30.500	28.403	0.167	
S3.000	S3-0	28.367	100.6	150	30.580	29.346	30.500	29.064	0.282	
FD4.000	CP4-0	18.495	500.0	150	30.500	29.800	30.500	29.763	0.037	
FD4.001	CP4-1	6.012	75.0	150	30.500	29.150	30.500	29.070	0.060	
FD5.000	CP5-0	18.495	500.0	150	30.500	29.800	30.500	29.763	0.037	
FD5.001	CP5-1	5.850	75.0	150	30.500	29.150	30.500	29.072	0.078	
S3.001	S3-1	63.178	100.6	150	30.500	29.064	30.500	28.437	0.627	
FD6.000	CP6-0	48.122	500.0	225	30.500	29.800	30.500	29.704	0.096	
FD6.001	CP6-1	7.641	168.6	225	30.500	29.075	30.500	29.035	0.045	
FD2.000	CP2-0	48.220	500.0	150	30.500	29.800	30.500	29.708	0.062	
FD3.000	CP3-0	22.965	500.0	150	30.500	29.800	30.500	29.754	0.046	
FD2.001	CP2-1	4.207	100.2	150	30.500	28.200	30.500	28.458	0.042	
S1.003	S1-3	22.207	243.7	300	30.500	28.287	30.500	28.193	0.094	
S4.000	S4-0	55.901	100.9	150	30.500	29.150	30.500	28.596	0.854	
S1.004	S1-4	30.996	244.1	300	30.500	28.193	30.500	28.066	0.127	
S1.005	S1-5	6.112	244.5	300	30.500	28.066	30.500	28.041	0.025	
S1.006	STORAGE	6.117	244.7	300	30.500	28.041	30.500	28.016	0.025	
S1.007	S1-7	28.485	149.9	225	30.500	28.016	29.380	27.826	0.190	

FOUL WATER DRAINAGE TABLE										
Link ID	US Node ID	Length (m)	Slope (1-X)	Dia (mm)	US CL (m)	US IL (m)	DS CL (m)	DS IL (m)	Fall (m)	
1.000	F1-0	25.474	34.0	100	30.500	29.950	30.500	29.200	0.750	
1.001	F1-1	51.094	40.0	100	30.500	29.200	30.500	27.822	1.278	
1.002	F1-2	32.789	40.0	100	30.500	27.922	28.660	27.102	0.820	

DRAINAGE LEGEND

SCALE 1:250

- PLANNING BOUNDARY: Red dashed line
- EXISTING FOUL: EXF (Red solid line)
- EXISTING SURFACE WATER: EXS (Green solid line)
- PROPOSED FOUL: F1-0 (Pink dashed line), F1-000 (Pink solid line)
- PROPOSED SURFACE WATER: S1-0 (Blue dashed line), S1-000 (Blue solid line)
- PROPOSED FOUL INSPECTION CHAMBER: IC (Red circle)
- PROPOSED FOUL AJ: AJ (Red square)
- PROPOSED TREE PIT: Green square with tree symbol
- PROPOSED ATTENUATION TANK: Blue rectangle with grid
- PROPOSED FILTER DRAIN: CP1-0 (Pink circle)
- UISCE ÉIREANN CLEARANCE DISTANCE: Yellow shaded area

REV	DATE	REVISION DESCRIPTION	DM	DR	FF	HG
1	MAR 08	SURFACE WATER MODIFICATIONS				
0	NOV 05	ISSUED FOR PLANNING				

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PURPOSE OF ISSUE: PRELIMINARY UNLESS INDICATED

CLIENT APPROVAL: PLANNING TENDER CONSTRUCTION AS-BUILT

CLIENT: **ESB NETWORKS**

PROJECT: **BELMAYNE 110 kV SUBSTATION**

CONTRACT: **I_ELD419**

DRAWING TITLE: **BELMAYNE 110 kV SUBSTATION PROPOSED DRAINAGE LAYOUT PLANNING**

PRODUCTION UNIT: **Transmission and Distribution Delivery**

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DRAWN	PRODUCED	VERIFIED	APPROVED	APPROVAL DATE
L.McGinnis	d.ryan	H.Giffin	H.Giffin	13/03/2020
CLIENT REF	TC232024	NO. OF SHEETS	SIZE	SCALE
		1	A0	AS SHOWN

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SHEET: **REV**