



NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED, WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASSE.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

CIVIL LEGEND

EX. SURFACE WATER MANHOLE	PIPE DESCRIPTION
NEW SURFACE WATER MANHOLE	PERMEABLE LINING (PERMEABLE SHOWN)
NEW SURFACE WATER PIPE	PUMPED MAIN DESCRIPTION
Ø150 FILTER TRENCH / INTERCEPTION TRENCH	PERMEABLE PAVING UNDERGRAN Ø150
PERMEABLE PAVING UNDERGRAN Ø150	TREE PIT UNDERGRAN Ø150
TREE PIT	PERMEABLE PAVING
ATTENUATION TANK	BIO-RETENTION AREAS / SWALES
EXISTING GROUND LEVEL INDICATED THIS	

NOTE 1: TANK INLET MANHOLES MARKED SILT TRAP TO FEATURE SILT TRAP MANHOLE BASE 1000mm BELOW NOTED INVERT LEVEL (N.O.)
 NOTE 2: PERMEABLE PAVING AREAS TO BE SYSTEM 17 TO BS 817 PARTS AS PER DRG C100 DETAILS S1 & S2 EXCEPT IN PROXIMITY TO BUILDINGS & SITE BOUNDARY LINE WHERE DRG C100 DETAILS S1 & S2 WILL APPLY.

SLURRY MEASURES:

- 10% ASP FLOOD EVENT (1 IN 10 CHANCE IN ANY GIVEN YEAR)
- GREEN ROOF EXTENSIVE (SEDUM)
- GREEN ROOF EXTENSIVE (SEDUM)
- BIO-RETENTION AREAS & TREE PITS
- PERMEABLE PAVING
- PERMEABLE PAVING
- SOAKAWAYS
- ATTENUATION TANKS WITH INFILTRATION

ATTENUATION SYSTEMS ASSUMED TO BE STORMTECH OR SIMILAR WITH COVER SUITABLE FOR TRAFFIC WHERE ROAD PAVEMENT LAYERS ARE CONSTRUCTED ABOVE EGL.

10% ASP FLOOD EVENT (1 IN 10 CHANCE IN ANY GIVEN YEAR)
 1% ASP FLOOD EVENT (1 IN 100 CHANCE IN ANY GIVEN YEAR)
 0.1% ASP FLOOD EVENT (1 IN 1000 CHANCE IN ANY GIVEN YEAR)

Surface Water Manhole Schedule Catchment A			Surface Water Manhole Schedule Catchment B1			Surface Water Manhole Schedule Catchment B2		
MH Ref	LEVEL (m.O.D.)	INVERT LEVEL (m.O.D.)	MH Ref	LEVEL (m.O.D.)	INVERT LEVEL (m.O.D.)	MH Ref	LEVEL (m.O.D.)	INVERT LEVEL (m.O.D.)
S4.0	+41.500	+41.500	S1.7	+42.500	+42.500	S6.4	+42.500	+42.500
S4.1	+41.290	+40.664	S1.8	+44.520	+42.981	S7.0	+44.950	+42.000
S4.2	+41.210	+40.618	S1.8A	+43.990	+41.122	S7.1	+44.310	+42.000
S4.3	+41.270	+40.483	S1.9	+43.850	+40.942	S8.0	+43.580	+42.800
S4.4	+41.210	+40.208	S1.10	+43.750	+40.728	S8.1	+43.970	+42.600
S4.5	+41.400	+39.321	S1.11	+43.560	+40.552	S8.2	+44.800	+44.000
S4.6	+41.450	+39.182	S1.12	+43.990	+40.354	S9.1	+44.800	+43.250
S4.7	+40.740	+38.933	S1.13	+43.520	+38.850	S9.2	+44.780	+43.125
S22.0	+41.840	+40.000	S1.14	+43.750	+38.850	S10.0	+45.130	+44.000
Tank K	+41.450	+39.600	S1.15	+42.930	+38.462	S10.1	+45.620	+43.650
OUTB2	+40.150	+38.744	S1.16	+43.100	+38.212	S10.2	+45.620	+43.200
			S1.17	+42.030	+38.181	S10.3	+45.630	+43.100
			S1.18	+40.020	+37.981	S10.4	+45.590	+43.000
			S1.18A	+39.060	+37.387	S10.5	+45.410	+42.650
			S1.19	+38.770	+37.000	S10.6	+44.500	+42.557
			S1.20	+38.700	+36.822	S10.7	+43.890	+42.319
			S1.21	+38.240	+36.613	S10.8	+44.220	+42.015
			S2.0	+45.060	+43.450	S11.3	+45.150	+43.200
			S2.1	+44.940	+43.222	S11.4	+45.150	+43.100
			S3.0	+43.530	+42.100	S11.5	+44.970	+42.790
			S3.1	+42.710	+41.336	S11.6	+44.980	+42.726
			S3.2	+43.060	+41.207	S14.0	+45.060	+43.800
			S3.3	+43.100	+41.029	S14.1	+44.900	+43.725
			S3.4	+41.240	+40.714	S14.2	+44.980	+43.462
			S3.5	+40.420	+40.014	S14.3	+45.330	+43.357
			S3.6	+40.620	+39.934	S14.4	+44.980	+43.350
			S3.7	+40.010	+38.075	S14.5	+45.350	+43.130
			S3.8	+39.760	+37.973	S14.6	+45.290	+43.116
			S12.0	+43.600	+42.200	S14.7	+44.730	+43.042
			S12.1	+43.810	+41.786	S14.8	+45.070	+42.854
			S12.2	+44.070	+41.229	S15.0	+45.120	+44.150
			S12.3	+43.340	+40.802	S15.1	+44.610	+43.900
			S12.4	+43.520	+40.736	S15.2	+45.390	+44.000
			Existing	+38.300	+36.344	S16.1	+45.410	+43.700
						S15.2	+44.680	+43.650
						S23.0	+44.900	+42.800
						OUTA	+43.250	+41.980
						OUTB	+44.700	+43.013
						OUTB1	+43.250	+41.972

HYDROBRAKE MANHOLES SPECIFICATIONS:

CATCHMENT B2:

TANK_K - 1/1.5, 1.6M HEAD, MODEL: C.TI-SHE-0042-1000-1600-1000
 S4.7 - 4/1.5, 1.6M HEAD, MODEL: C.TI-SHE-0086-4000-1600-4000

CATCHMENT B1:

S7.1 - 2/1.5, 0.6M HEAD, MODEL: C.TI-SHE-0073-2000-0600-2000
 S9.1 - 2/1.5, 1.0M HEAD, MODEL: C.TI-SHE-0067-2000-1000-2000
 S15.1 - 2/1.5, 1.0M HEAD, MODEL: C.TI-SHE-0067-2000-1000-2000
 S14.7 - 4/1.5, 1.1M HEAD, MODEL: C.TI-SHE-0099-4000-1100-4000
 S15.5 - 2/1.5, 1.32M HEAD, MODEL: C.TI-SHE-0090-3000-1320-2000
 S10.5 - 2/1.5, 1.6M HEAD, MODEL: C.TI-SHE-0060-2000-1600-2000
 S10.8 - 1/1.5, 1.3M HEAD, MODEL: C.TI-SHE-0161-1400-1300-1400
 S6.4 - 2/1.5, 0.5M HEAD, MODEL: C.TI-SHE-0075-2000-0500-2000

CATCHMENT A:

S11.3 - 4/1.5, 3.0M HEAD, MODEL: C.TI-SHE-0074-4000-3000-4000
 S12.3 - 2/1.5, 2.0M HEAD, MODEL: C.TI-SHE-0057-2000-2000-2000
 S3.7 - 2/1.5, 2.0M HEAD, MODEL: C.TI-SHE-0057-2000-2000-2000
 S1.19 - 2/1.5, 1.5M HEAD, MODEL: C.TI-SHE-0116-1500-1500-7000

Irish Water CDS No. CDS19005661

PL5	09.03.22	ISSUED FOR COMMENT	WK
PL4	07.12.21	ISSUED FOR COMMENT	WK
PL3	17.12.21	ISSUED FOR COMMENT	WK
ISSUE	DATE	DESCRIPTION	BY
Project Engineer: JPC		Project Director: JPC	
PLANNING			
CLIENT: LAND DEVELOPMENT AGENCY			
PROJECT TITLE: DUNDRUM CENTRAL DEVELOPMENT		BM PROJECT No: 20.170	
DRAWING TITLE: BURIED SURFACE WATER DRAINAGE LAYOUT		SUITABILITY: REVISION	
DRAWING REFERENCE: DCD-BMD-00-00-DR-C-1020		STATUS: REVISION	

CATCHMENT LAYOUT KEY PLAN
 SCALE @ A0: 1:2000 @ A1
 SCALE @ A2: 1:5000 @ A2

BURIED SURFACE WATER DRAINAGE LAYOUT
 SCALE @ A0: 1:1000 @ A0
 SCALE @ A2: 1:2000 @ A2