



FOUL DRAINAGE					
MANHOLE REF	COVER LEVEL	INVERT LEVEL	MANHOLE DEPTH	APPROX. DISTANCE	
FW 1.1.0	8.875	6.970	1.905m	15.45m	150mm Ø @ 1:100 (155mm FALL)
FW 1.2.0	8.865	7.125	1.740m	26.43m	150mm Ø @ 1:100 (265mm FALL)
FW 1.3.0	9.460	7.390	2.070m	45.43m	150mm Ø @ 1:100 (455mm FALL)
FW 1.4.0	9.460	7.845	1.615m	15.425m	150mm Ø @ 1:100 (155mm FALL)
FW 1.5.0	9.440	8.000	1.440m		

- FOR INDUSTRIAL WASTE WATER DRAINAGE, REFER TO DRAWING No. 4081 20 02 / TG G 110
- ALL SURFACE WATER ACO CHANNELS TO THE BUILDING PERIMETER TO BE ACO S100 SERIES AND PROVIDED WITH INTERCEPT GRATINGS. IN AREAS WHERE BUCKETED MACHINERY IS TO OPERATE OVER THESE ACO CHANNELS, PLAIN SLOTTED HEAVY DUTY COVERS ARE TO BE PROVIDED.
- SURFACE WATER ACO CHANNEL ADJUNCTION DECANTATION PIT TO BE ACO S150 SERIES AND PROVIDED WITH INTERCEPT GRATINGS.

THIS DRAWING IS BASED ON THE FOLLOWING INFORMATION AS PROVIDED:

DRAWING 207184 - 01 FICHTNER CONSULTING ENGINEERS LTD. PROPOSED EFW FACILITY, NEW ROAD LAYOUT

CAMERONS LTD. EXISTING UNDERGROUND CULVERT SURVEY

SB-TPCI001J SPIE BATIGNOLLES 1. ROADS & DRAINAGE 2. UNDERGROUND NETWORKS

UNDERGROUND DRAINAGE

SURFACE WATER - ENTRANCE					
MANHOLE REF	COVER LEVEL	INVERT LEVEL	MANHOLE DEPTH	APPROX. DISTANCE	
SW 1.0.0	N / A	6.140	3.500m		
SW 1.1.0	9.030	6.250	2.780m	3.30m	300mm Ø @ 1:30 (110mm FALL)
SW 1.2.0	8.900	6.635	2.265m	7.00m	225mm Ø @ 1:30 (235mm FALL + 150mm) (DEPTH TO SEPARATOR EXIT INVERT ONLY) (DEPTH TO SEPARATOR INLET INVERT ONLY)
		6.685	2.215m	5.00m	225mm Ø @ 1:40 (125mm FALL)
SW 1.3.0	8.900	6.810	2.090m	20.03m	150mm Ø @ 1:140 (500mm FALL)
SW 1.4.0	9.475	7.310	2.165m	18.47m	150mm Ø @ 1:140 (460mm FALL)
SW 1.5.0	9.475	7.770	1.705m	29.34m	150mm Ø @ 1:80
R.E.	N/A	8.135	1.350m		

SURFACE WATER - EXIT / REAR					
MANHOLE REF	COVER LEVEL	INVERT LEVEL	MANHOLE DEPTH	APPROX. DISTANCE	
C2	N / A	2.710	N / A	3.50m	APPROX. TOP LEVEL OF EXISTING CULVERT 300mm Ø @ 1:1
SW 2.1.0	9.480	6.850	2.630m	12.35m	225mm Ø @ 1:40 (DEPTH TO SEPARATOR EXIT INVERT ONLY) (DEPTH TO SEPARATOR INLET INVERT ONLY)
SW 2.2.0	9.425	7.140	2.285m	4.85m	225mm Ø @ 1:40
		7.190	2.235m		
SW 2.3.0	9.425	7.295	2.130m	27.08m	225mm Ø @ 1:100
SW 2.4.0	9.505	7.565	1.940m	36.58m	225mm Ø @ 1:100
SW 2.5.0	9.460	7.930	1.530m	23.55m	150mm Ø @ 1:100
SW 2.6.0	9.465	8.280	1.185m		
SW 2.5.0	9.460	7.930	1.530m	35.65m	150mm Ø @ 1:100
R.E.	N / A	8.400	N / A		

SURFACE WATER - HARVESTED					
MANHOLE REF	COVER LEVEL	INVERT LEVEL	MANHOLE DEPTH	APPROX. DISTANCE	
SW 1.0.0	N/A	6.140	3.500m	3.45m	300mm Ø
SW 1.1.0	9.030	6.250	2.780m	2.50m	300mm Ø
HW TANK	9.030	6.600	2.430m	1.50m	(DEPTH TO WATER TANK EXIT INVERT ONLY) (DEPTH TO WATER TANK INLET INVERT ONLY)
	9.030	6.800	2.230m		300mm Ø @ 1:60
HW 1.1.0	9.030	6.995	2.035m	6.58m	225mm Ø @ 1:100
HW 1.2.0	9.475	7.105	2.370m	19.91m	225mm Ø @ 1:100
HW 1.3.0	9.500	7.460	2.040m	20.27m	225mm Ø @ 1:100
HW 1.4.0	9.500	7.665	1.835m	79.46m	225mm Ø @ 1:100
HW 1.5.0	9.485	8.475	1.010m		
HW 1.4.0	9.500	7.665	1.835m	24.68m	150mm Ø @ 1:100 - CONCRETE ENCASED
HW 1.4.1	9.485	8.030	1.455m	27.85m	150mm Ø @ 1:100 - CONCRETE ENCASED
HW 1.4.2	9.500	8.310	1.190m	25.91m	150mm Ø @ 1:100 - CONCRETE ENCASED
I.C.	9.500	8.700	0.800m		
SW 1.0.0	N/A	7.800	1.700m	15.00m	225mm Ø @ 1:100 (150mm FALL)
HW 1.1.3	9.475	7.950	1.525m	27.53m	225mm Ø @ 1:100
HW 1.1.4	9.475	8.225	1.250m	16.44m	225mm Ø @ 1:164 - CONCRETE ENCASED
HW 1.1.5	9.475	8.325	1.150m	33.82m	225mm Ø @ 1:164 - CONCRETE ENCASED
HW 1.1.6	9.400	8.530	0.870m	7.88m	225mm Ø @ 1:100 - CONCRETE ENCASED
RWP	N/A	8.580	0.920m		

Rev	Date	Drawn	Checked	Approved	Modifications
H	09 / 04 / 10	M.E.T.			S.W. VALVES SHOW, H.W. UPDATED
G	16 / 02 / 10	M.E.T.			UPDATED
F	08 / 02 / 10	M.E.T.			UPDATED
E	22 / 12 / 09	M.E.T.			UPDATED
D	14 / 12 / 09	M.E.T.			UPDATED

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- Energy from Waste -

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Cameron's BUILDING CONTRACTORS

spie batignolles

SUBCONTRACTOR DRAWING TITLE: (BYE-LAWS) 08254 / 0103 / H

DRAWING TITLE: UNDERGROUND DRAINAGE

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