

Proposed SW - Pipe Table					
Pipe Name	Size (mm)	Plan Length (m)	Slope	Start Invert Level	End Invert Level
Cell Store B Outfall	225	1.924	Horizontal	84.628	84.628
1.000	150	13.586	1:100	86.065	85.929
1.001	150	14.861	1:100	85.929	85.780
1.002	225	12.348	1:21	85.705	85.123
1.003	450	15.961	1:301	84.885	84.832
1.004	600	3.343	1:304	84.682	84.671
1.005	600	14.738	1:301	84.671	84.622
1.006	600	11.641	1:298	84.622	84.583
1.007	300	3.153	1:197	84.599	84.583
1.008	225	16.065	1:88	84.583	84.401
1.009	150	8.057	1:97	84.401	84.318
2.000	100	8.690	1:17	85.774	85.248
3.000	150	11.469	1:104	85.450	85.340
3.001	150	17.261	1:100	85.340	85.167
3.002	225	11.221	1:150	85.092	85.017
4.000	150	7.229	1:13	85.647	85.092
5.000	150	12.866	1:117	85.500	85.390
5.001	150	15.980	1:105	85.390	85.238
5.002	300	17.511	1:150	85.088	84.971
6.000	100	6.225	1:57	85.500	85.390
7.000	150	6.307	1:28	85.400	85.175
8.000	150	9.541	1:13	85.700	84.975
9.000	300	8.705	1:198	84.945	84.901
9.001	300	15.184	1:200	84.751	84.675
9.002	450	15.787	1:298	84.675	84.622
10.000	150	8.016	1:7	86.090	84.977
11.002	300	9.038	1:201	84.628	84.583
12.000	150	2.692	1:5	85.300	84.778
13.000	150	8.898	1:59	85.800	85.650
13.001	150	3.045	1:4	85.650	84.824

Proposed SW - Structure Table						
Structure Name	Diameter	Depth	Cover Level	Easting	Northing	Connected Pipes
Cell Store B Outfall	0.250m	1.526m	86.237	388653.897	400166.816	Cell Store B Outfall, (225mm ∅) Inv. 84.628
Ex. MH1	1.050m	1.781m	86.181	388623.197	400175.296	1.009, (150mm ∅) Inv. 84.318
IC01	0.600m	0.664m	86.729	388686.018	400124.217	1.000, (150mm ∅) Inv. 86.065
IC01A	0.600m	0.779m	86.708	388672.506	400122.801	1.000, (150mm ∅) Inv. 85.929 1.001, (150mm ∅) Inv. 85.929
IC01B	0.600m	1.135m	86.840	388657.730	400121.214	1.001, (150mm ∅) Inv. 85.780 1.002, (225mm ∅) Inv. 85.705
IC02	0.600m	1.300m	87.074	388636.751	400120.061	2.000, (100mm ∅) Inv. 85.774
IC03A	0.600m	0.931m	86.381	388685.531	400137.327	3.000, (150mm ∅) Inv. 85.450 G2 Outfall, (100mm ∅) Inv. 85.500
IC03B	0.600m	1.163m	86.503	388674.062	400137.227	3.000, (150mm ∅) Inv. 85.340 3.001, (150mm ∅) Inv. 85.340 G1 Outfall, (100mm ∅) Inv. 85.340 F2 Outfall, (100mm ∅) Inv. 85.340
IC03C	0.600m	1.668m	86.760	388656.809	400136.694	3.001, (150mm ∅) Inv. 85.167 3.002, (225mm ∅) Inv. 85.092 E2 Outfall, (100mm ∅) Inv. 85.217 F1 Outfall, (100mm ∅) Inv. 85.217
IC04	0.600m	1.260m	86.907	388638.404	400135.404	4.000, (150mm ∅) Inv. 85.647 D1 Outfall, (100mm ∅) Inv. 85.647
IC10	0.600m	0.529m	86.619	388635.201	400153.286	10.000, (150mm ∅) Inv. 86.090 A2 Outfall, (100mm ∅) Inv. 86.140
IC13A	0.600m	0.707m	86.507	388631.735	400166.547	13.000, (150mm ∅) Inv. 85.800 A1 Outfall, (100mm ∅) Inv. 85.800
IC13B	0.600m	0.787m	86.437	388640.632	400166.700	13.000, (150mm ∅) Inv. 85.650 13.001, (150mm ∅) Inv. 85.650
JCN1	0.300m	0.850m	86.516	388660.990	400138.976	5.001, (150mm ∅) Inv. 85.238 5.002, (300mm ∅) Inv. 85.088 7.000, (150mm ∅) Inv. 85.175
MH01C	1.050m	2.093m	86.978	388645.441	400120.002	1.002, (225mm ∅) Inv. 85.123 1.003, (450mm ∅) Inv. 84.895 2.000, (100mm ∅) Inv. 85.248
MH01D	1.500m	2.154m	86.836	388645.612	400135.962	1.003, (450mm ∅) Inv. 84.832 1.004, (600mm ∅) Inv. 84.682 3.002, (225mm ∅) Inv. 85.017 4.000, (150mm ∅) Inv. 85.092 E1 Outfall, (100mm ∅) Inv. 84.682

Proposed Foul - Structure Table						
Structure Name	Diameter	Depth	Cover Level	Easting	Northing	Connected Pipes
FIC01	0.180m	0.611m	86.681	388687.135	400135.973	F1.000, (100mm ∅) Inv. 86.070 F1.001, (100mm ∅) Inv. 86.070
FIC02	0.180m	1.013m	86.728	388672.984	400135.525	F1.001, (100mm ∅) Inv. 85.715 F1.002, (100mm ∅) Inv. 85.715 F3.000, (100mm ∅) Inv. 85.715 F2.000, (100mm ∅) Inv. 85.715
FIC03	0.180m	1.365m	86.891	388657.856	400134.561	F1.002, (100mm ∅) Inv. 85.528 F1.003, (100mm ∅) Inv. 85.528 F5.000, (100mm ∅) Inv. 85.528 F4.000, (100mm ∅) Inv. 85.528
FIC05	0.180m	1.250m	86.850	388634.430	400133.997	F6.000, (100mm ∅) Inv. 85.800 F6.001, (100mm ∅) Inv. 85.800
FIC06	0.180m	0.616m	85.946	388688.033	400154.946	F9.000, (100mm ∅) Inv. 85.330 F9.001, (100mm ∅) Inv. 85.330
FIC07	0.180m	1.074m	86.134	388677.338	400154.777	F9.001, (100mm ∅) Inv. 85.060 F9.002, (100mm ∅) Inv. 85.060 F10.000, (100mm ∅) Inv. 85.060
FIC08	0.180m	1.204m	86.159	388669.538	400154.720	F9.002, (100mm ∅) Inv. 84.955 F9.003, (100mm ∅) Inv. 84.955 F12.000, (100mm ∅) Inv. 84.955 F11.000, (100mm ∅) Inv. 84.955
FIC09	0.180m	1.564m	86.364	388657.927	400154.635	F9.003, (100mm ∅) Inv. 84.800 F9.004, (100mm ∅) Inv. 84.800 F13.000, (100mm ∅) Inv. 84.800
FIC11	1.050m	1.203m	86.553	388641.916	400154.816	F14.001, (100mm ∅) Inv. 85.350 F14.002, (100mm ∅) Inv. 85.350 F15.000, (100mm ∅) Inv. 85.350
FIC12	0.180m	1.417m	86.767	388632.430	400154.548	F14.000, (100mm ∅) Inv. 85.350 F14.001, (100mm ∅) Inv. 85.580
FIC13	0.180m	1.855m	86.320	388650.554	400162.200	F1.005, (150mm ∅) Inv. 84.465 F1.006, (150mm ∅) Inv. 84.465 F16.000, (100mm ∅) Inv. 84.515
FWMH01 (DC)	0.180m	0.611m	86.045	388650.783	400168.487	F1.006, (150mm ∅) Inv. 84.400
FWMH02	1.050m	1.723m	86.428	388650.629	400154.673	F1.004, (150mm ∅) Inv. 85.175 F1.005, (150mm ∅) Inv. 84.705 F14.002, (100mm ∅) Inv. 85.259 F9.004, (100mm ∅) Inv. 84.705
FWMH03	1.050m	1.625m	86.913	388646.786	400134.278	F1.003, (100mm ∅) Inv. 85.388 F1.004, (150mm ∅) Inv. 85.388 F6.001, (100mm ∅) Inv. 85.388 F7.000, (100mm ∅) Inv. 85.288 F8.000, (100mm ∅) Inv. 85.288
SVP-A1	0.180m	0.611m	86.611	388641.307	400160.916	F15.000, (100mm ∅) Inv. 86.000

Proposed SW - Structure Table						
Structure Name	Diameter	Depth	Cover Level	Easting	Northing	Connected Pipes
MH01E	1.500m	2.036m	86.707	388643.484	400138.541	1.004, (600mm ∅) Inv. 84.671 1.005, (600mm ∅) Inv. 84.671 8.000, (150mm ∅) Inv. 84.975 5.002, (300mm ∅) Inv. 84.971 D2 Outfall, (100mm ∅) Inv. 84.671
MH01F	1.500m	1.860m	86.482	388643.217	400153.277	1.005, (600mm ∅) Inv. 84.622 1.006, (600mm ∅) Inv. 84.622 9.002, (450mm ∅) Inv. 84.622 10.000, (150mm ∅) Inv. 84.977
MH01G	1.500m	1.676m	86.259	388643.102	400164.918	1.006, (600mm ∅) Inv. 84.583 1.007, (300mm ∅) Inv. 84.599 13.001, (150mm ∅) Inv. 84.824 11.002, (300mm ∅) Inv. 84.583
MH05	1.200m	0.918m	86.308	388676.967	400139.275	5.000, (150mm ∅) Inv. 85.390 5.001, (150mm ∅) Inv. 85.390 6.000, (100mm ∅) Inv. 85.390
MH09	1.200m	1.618m	86.293	388659.003	400153.109	9.001, (300mm ∅) Inv. 84.675 9.002, (450mm ∅) Inv. 84.675 B1 Outfall, (100mm ∅) Inv. 85.275 B2 Outfall, (100mm ∅) Inv. 85.275
MH09A	1.200m	1.371m	86.122	388674.186	400153.213	9.000, (300mm ∅) Inv. 84.901 9.001, (300mm ∅) Inv. 84.751 C1 Outfall, (100mm ∅) Inv. 85.450
MH09B	1.200m	1.148m	86.093	388682.891	400153.242	9.000, (300mm ∅) Inv. 84.945 C2 Outfall, (100mm ∅) Inv. 85.550
MH11	1.200m	1.657m	86.285	388651.994	400166.533	Cell Store B Outfall, (225mm ∅) Inv. 84.628 11.002, (300mm ∅) Inv. 84.628 12.000, (150mm ∅) Inv. 84.778
MH12 (HB)	1.200m	1.670m	86.053	388643.146	400168.071	1.007, (300mm ∅) Inv. 84.583 1.008, (225mm ∅) Inv. 84.583
MH13 (DC1)	1.200m	1.891m	86.292	388627.081	400168.238	1.008, (225mm ∅) Inv. 84.401 1.009, (150mm ∅) Inv. 84.401
RG01	0.450m	0.850m	86.052	388688.256	400145.446	5.000, (150mm ∅) Inv. 85.500
RG02	0.450m	0.850m	86.076	388678.321	400145.351	6.000, (100mm ∅) Inv. 85.500
RG03	0.450m	0.850m	86.172	388661.020	400145.283	7.000, (150mm ∅) Inv. 85.400
RG04	0.450m	0.850m	86.405	388635.703	400144.063	8.000, (150mm ∅) Inv. 85.700
RG05	0.450m	0.850m	85.986	388649.374	400167.153	12.000, (150mm ∅) Inv. 85.300

Proposed Foul - Structure Table						
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FIC01	0.180m	0.611m	86.681	388687.135	400135.973	F1.000, (100mm ∅) Inv. 86.070 F1.001, (100mm ∅) Inv. 86.070
FIC02	0.180m	1.013m	86.728	388672.984	400135.525	F1.001, (100mm ∅) Inv. 85.715 F1.002, (100mm ∅) Inv. 85.715 F3.000, (100mm ∅) Inv. 85.715 F2.000, (100mm ∅) Inv. 85.715
FIC03	0.180m	1.365m	86.891	388657.856	400134.561	F1.002, (100mm ∅) Inv. 85.526 F1.003, (100mm ∅) Inv. 85.526 F5.000, (100mm ∅) Inv. 85.526 F4.000, (100mm ∅) Inv. 85.526
FIC05	0.180m	1.250m	86.850	388634.430	400133.997	F6.000, (100mm ∅) Inv. 85.800 F6.001, (100mm ∅) Inv. 85.800
FIC06	0.180m	0.616m	85.946	388688.033	400154.946	F9.000, (100mm ∅) Inv. 85.330 F9.001, (100mm ∅) Inv. 85.330
FIC07	0.180m	1.074m	86.134	388677.338	400154.777	F9.001, (100mm ∅) Inv. 85.060 F9.002, (100mm ∅) Inv. 85.060 F10.000, (100mm ∅) Inv. 85.060
FIC08	0.180m	1.204m	86.159	388669.538	400154.720	F9.002, (100mm ∅) Inv. 84.955 F9.003, (100mm ∅) Inv. 84.955 F12.000, (100mm ∅) Inv. 84.955 F11.000, (100mm ∅) Inv. 84.955
FIC09	0.180m	1.564m	86.364	388657.927	400154.635	F9.003, (100mm ∅) Inv. 84.800 F9.004, (100mm ∅) Inv. 84.800 F13.000, (100mm ∅) Inv. 84.800
FIC11	1.050m	1.203m	86.553	388641.916	400154.816	F14.001, (100mm ∅) Inv. 85.350 F14.002, (100mm ∅) Inv. 85.350 F15.000, (100mm ∅) Inv. 85.350
FIC12	0.180m	1.417m	86.767	388632.430	400154.548	F14.000, (100mm ∅) Inv. 85.350 F14.001, (100mm ∅) Inv. 85.580
FIC13	0.180m	1.855m	86.320	388650.554	400162.200	F1.005, (150mm ∅) Inv. 84.465 F1.006, (150mm ∅) Inv. 84.465 F16.000, (100mm ∅) Inv. 84.515
FWMH01 (DC)	0.180m	0.611m	86.045	388650.783	400168.487	F1.006, (150mm ∅) Inv. 84.400
FWMH02	1.050m	1.723m	86.428	388650.629	400154.673	F1.004, (150mm ∅) Inv. 85.175 F1.005, (150mm ∅) Inv. 84.705 F14.002, (100mm ∅) Inv. 85.259 F9.004, (100mm ∅) Inv. 84.705
FWMH03	1.050m	1.625m	86.913	388646.786	400134.278	F1.003, (100mm ∅) Inv. 85.388 F1.004, (150mm ∅) Inv. 85.388 F6.001, (100mm ∅) Inv. 85.388 F7.000, (100mm ∅) Inv. 85.288 F8.000, (100mm ∅) Inv. 85.288
SVP-A1	0.180m	0.611m	86.611	388641.307	400160.916	F15.000, (100mm ∅) Inv. 86.000

- GENERAL
- ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.
 - ALL LEVELS AND DATUMS IN METRES UNLESS STATED OTHERWISE.
 - ALL DIMENSIONS, LEVELS AND DATUMS TO BE CONFIRMED ON SITE, PRIOR TO FABRICATION AND CONSTRUCTION.
 - ALL BUILDING WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING REGULATIONS AND THE CIVIL, STRUCTURAL AND ARCHITECTURAL SPECIFICATIONS..
 - ALL EXTERNAL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS.
 - ROAD MARKINGS TO BE WHITE THERMOPLASTIC SCREEN IN ACCORDANCE WITH TRAFFIC SIGNS REGULATIONS & GENERAL DIRECTIONS 2016.
 - BOND COAT SHALL BE APPLIED BETWEEN CONSTRUCTION LAYERS IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS.
 - WHERE REQUIRED, EDGE OF CARRIAGEWAY REINSTATEMENT SHALL BE AGREED WITH LOCAL HIGHWAY AUTHORITY ENGINEER PRIOR TO COMPLETION
 - EXISTING 3D SURFACE MODEL PRODUCED FROM TOPOGRAPHICAL SURVEY, DATED AUGUST 2012.
 - EXISTING TOPOGRAPHICAL SURVEY SHIFTED TO ORDNANCE SURVEY COORDINATES, THEN RAISED TO TEXT LEVELS.
 - FINISHED FLOOR LEVELS TAKEN FROM 04 JUNE, DOCUMENT 132 AND ADJUSTED TO TIE IN TO TOPOGRAPHICAL SURVEY LEVELS. (BLOCK E TBM WAS ASSUMED 100m AOD, NEW BLOCK E REDUCED LEVEL IS 87.000m AOD. ALL OTHER LEVELS RELATIVE TO NEW BLOCK E REDUCED LEVEL)
 - PROPOSED LAYOUT TAKEN FROM LES FOYE DRAWING, DATED APRIL 2016.
 - INVERT LEVELS OF EXISTING ADOPTED DRAINAGE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES REPORTED TO THE ENGINEER.

TO BE READ IN CONJUNCTION WITH DRAWING NUMBERS:-

D246-KGB-00-XX-DR-D-0500
PROPOSED DRAINAGE - SURFACE WATER LAYOUT

D246-KGB-00-XX-DR-D-0501
PROPOSED DRAINAGE - FOUL DRAINAGE LAYOUT

D246-KGB-00-XX-DR-D-0503
PROPOSED DRAINAGE LONG-SECTIONS - SHE ET 1 OF 2

D246-KGB-00-XX-DR-D-0504
PROPOSED DRAINAGE LONG