

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER HBL DRAWINGS ISSUED FOR THIS PROJECT

- GENERAL NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING AND ARCHITECT'S DETAILS.
  - THE DESIGN DETAILS PRESENTED MUST BE REVIEWED IN CONJUNCTION WITH THE WIDER SITE INFORMATION AND SITE CONSTRAINTS WHICH MAY NOT BE EVIDENT ON DRAWING AND MUST BE REQUESTED IF NOT ALREADY PROVIDED. THIS INCLUDES, BUT NOT LIMITED TO, GROUND CONDITIONS (GEOTECHNICAL AND GEO-ENVIRONMENTAL), GROUNDWATER LEVELS, BURIED SERVICES, REMNANT OBSTRUCTIONS, ECOLOGY, TREE PROTECTION AND TOPOGRAPHY.
  - THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY, IN WRITING, SHOULD ANY ERRORS OR DISCREPANCIES BE FOUND PRIOR TO THE COMMENCEMENT OR CONTINUATION OF ANY WORKS.
  - ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT BRITISH STANDARDS, BUILDING REGULATIONS AND NHBC STANDARDS.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXECUTE THE WORKS AT ALL TIMES IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE HEALTH AND SAFETY AT WORK ACT 1974 AND THE C.D.M. REGULATIONS 2015. THE CONTRACTOR WILL BE DEEMED TO HAVE ALLOWED FOR FULL COMPLIANCE, INCLUDING FULL LIAISON WITH THE CDM CO-ORDINATOR, WITHIN HIS RATES.
  - ANY EXISTING DETAILS WHICH ARE SHOWN ON THIS DRAWING ARE FOR GUIDANCE ONLY AND ARE TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY VARIATIONS ARE TO BE RECORDED AND REPORTED TO THE ENGINEER IMMEDIATELY.
  - BEFORE WORK COMMENCES CONTRACTOR SHOULD CONSULT THE ENGINEER AND THE SI REPORT REGARDING ANY CONTAMINATION ISSUES. ALL NECESSARY HEALTH AND SAFETY MEASURES TO BE TAKEN.
  - THE DETAILS PROVIDED ARE IN LINE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION UNDER THE CODE FOR ADOPTION AGREEMENTS FOR WATER AND SEWERAGE COMPANIES OPERATING WHOLLY OR MAINLY IN ENGLAND (THE CODE) APPROVED VERSION 2.1 - 25 MAY 2021

Manhole Schedule Network 10701 - SW - NORTH															
Manhole No.	Cover Level	Depth to IL (m)	(Sump)	Manhole Diameter (mm)	Manhole Type*	Cover Type	Outgoing Pipe No.	Outgoing Pipe Invert Level	Outgoing Pipe Diameter (mm)	Outgoing Pipe Gradient (1:X)	Incoming Pipe No.	Incoming Pipe Invert Level	Incoming Pipe Diameter (mm)	Co-ordinate Easting	Co-ordinate Northing
HW2	77.141	1.967	0.00		SFA10 C						C1 S1.009	75.866	675	431191.036	410875.487
HW3	76.875	1.872	0.00		SFA10 C		C1 S1.010	75.600	675	1:322				431178.755	410896.812
HW4	76.199	1.051	0.00		SFA6 A						C1 S1.011	75.449	225	431156.581	410901.111
S9	83.154	1.723	0.00	1200	SSG - TYPE B	D400	C1 S1.000	81.431	225	1:23				431193.866	410697.116
S10	82.112	1.798	0.00	1500	SSG - TYPE B	D400	C1 S1.001	80.314	300	1:38	C1 S1.000	80.387	225	431217.174	410690.920
S11	81.211	1.753	0.00	1500	SSG - TYPE C	D400	C1 S1.002	79.458	450	1:346	C1 S1.001	79.608	300	431243.924	410690.992
S12	81.199	1.899	0.00	1500	SSG - TYPE C	D400	C1 S1.003	79.300	450	1:297	C1 S1.002	79.300	450	431243.778	410745.615
S13	87.477	1.500	0.00	1500	SSG - TYPE C	D400	C1 S2.000	85.977	300	1:20				431110.869	410738.753
S14	84.029	1.503	0.00	1500	SSG - TYPE C	D400	C1 S2.001	82.529	300	1:31	C1 S2.000	82.529	300	431176.154	410699.621
S15	83.232	1.503	0.00	1500	SSG - TYPE C	D400	C1 S2.002	81.730	300	1:9	C1 S2.001	81.729	300	431183.207	410723.757
S16	82.181	3.231	0.00	1800	SSG - TYPE B		C1 S1.004	78.950	600	1:459	C1 S1.003 C1 S2.002	79.100 79.259	450 300	431184.421	410745.457
S17	84.777	1.425	0.00	1500	SSG - TYPE C	D400	C1 S3.000	83.352	225	1:16				431116.493	410803.372
S18	81.524	1.481	0.00	1500	SSG - TYPE C	D400	C1 S3.001	80.043	225	1:21	C1 S3.000	80.043	225	431166.439	410791.298
S19	80.957	2.107	0.00	1800	SSG - TYPE C		C1 S1.005	78.850	600	1:179	C1 S1.004 C1 S3.001	78.850 79.226	600 225	431183.271	410791.343
S20	80.820	2.070	0.00	1500	SSG - TYPE C	D400	C1 S1.006	78.750	600	1:248	C1 S1.005	78.750	600	431183.226	410809.277
S21	81.937	1.502	0.00	1500	SSG - TYPE C	D400	C1 S4.000	80.435	300	1:188				431241.156	410813.418
S22	82.134	1.783	0.00	1500	SSG - TYPE C	D400	C1 S4.001	80.351	300	1:35	C1 S4.000	80.351	300	431241.113	410829.248
S23	80.486	1.896	0.00	1800	SSG - TYPE C		C1 S1.007	78.589	675	1:13	C1 S1.006 C1 S4.001	78.662 78.965	600 300	431192.283	410829.118
S24	78.053	1.806	0.00	1500	SSG - TYPE C	D400	C1 S1.008	76.247	675	1:43	C1 S1.007	76.255	675	431192.204	410858.700
S25	77.225	1.225	0.50	1500	SSG - TYPE C	D400	C1 S1.009	76.000	675	1:55	C1 S1.008	76.000	675	431188.439	410868.529
S26	76.930	1.402	0.00	1500	SSG - TYPE C	D400	C1 S1.011	75.528	225	1:200	C1 S1.010	75.578	675	431172.291	410899.665

Notes:  
\*Proposed Type C manholes over 450 diameter may require a chamber specific solution, to be reviewed as part of approval process

Manhole Schedule Network 10701 - SW - SOUTH															
Manhole No.	Cover Level	Depth to IL (m)	(Sump)	Manhole Diameter (mm)	Manhole Type	Cover Type	Outgoing Pipe No.	Outgoing Pipe Invert Level	Outgoing Pipe Diameter (mm)	Outgoing Pipe Gradient (1:X)	Incoming Pipe No.	Incoming Pipe Invert Level	Incoming Pipe Diameter (mm)	Co-ordinate Easting	Co-ordinate Northing
C1	79.574	4.692	0.00	1200	SSG - TYPE B	D400	C2 C1.000	74.882	225	1:151	C2 S1.008	74.957	150	431204.486	410391.280
C2	79.408	4.569	0.00	1200	SSG - TYPE B	D400	C2 C1.001	74.839	225	1:150	C2 C1.000	74.839	225	431205.249	410384.839
C3	78.480	3.764	0.00	1200	SSG - TYPE B	D400	C2 C1.002	74.716	225	1:150	C2 C1.001	74.716	225	431201.357	410366.840
C4	76.839	2.261	0.00	1200	SSG - TYPE B	D400	C2 C1.003	74.578	225	1:142	C2 C1.002	74.578	225	431207.525	410347.077
C5	76.466	1.970	0.00	1200	SSG - TYPE B	D400					C2 C1.003	74.496	225	431219.088	410348.757
HW1	78.115	1.175	0.00		SFA10 C		C2 S1.000	76.940	600	1:46				431066.441	410509.863
S1	78.393	1.800	0.50	1500	SSG - TYPE B	D400	C2 S1.001	76.593	600	1:500	C2 S1.000	76.593	600	431071.573	410494.796
S2	78.715	2.174	0.00	1500	SSG - TYPE B	D400	C2 S1.002	76.541	600	1:498	C2 S1.001	76.541	600	431080.823	410470.497
S3	79.263	2.810	0.00	1500	SSG - TYPE B	D400	C2 S1.003	76.453	600	1:508	C2 S1.002	76.453	600	431105.987	410434.565
S4	79.422	2.995	0.00	1500	SSG - TYPE B	D400	C2 S1.004	76.427	600	1:495	C2 S1.003	76.427	600	431116.718	410426.856
S5	79.715	3.332	0.00	1500	SSG - TYPE B	D400	C2 S1.005	76.383	600	1:497	C2 S1.004	76.383	600	431138.472	410427.827
S6	80.169	3.863	0.00	1500	SSG - TYPE B	D400	C2 S1.006	76.307	600	1:508	C2 S1.005	76.306	600	431172.515	410410.349
S7	80.087	3.804	0.00	1500	SSG - TYPE B	D400	C2 S1.007	76.283	600	1:500	C2 S1.006	76.284	600	431181.710	410403.145
S8	79.546	3.308	0.00	1500	SSG - TYPE B	D400	C2 S1.008	76.238	150	1:2	C2 S1.007	76.238	600	431201.599	410392.661

Manhole Schedule Network 10701 - SW - DEMARCATION - SOUTH													
Manhole No.	Cover Level	Depth to IL (m)	(Sump)	Manhole Diameter (mm)	Manhole Type	Cover Type	Outgoing Pipe Invert Level	Outgoing Pipe Diameter (mm)	Outgoing Pipe Gradient (1:X)	Incoming Pipe Invert Level	Incoming Pipe Diameter (mm)	Co-ordinate Easting	Co-ordinate Northing
SDC01	78.700	1.630	0.00	450	SSG - TYPE D	D400	77.070	150	1:80	77.120	100	431072.095	410478.303
SDC02	78.710	1.640	0.00	450	SSG - TYPE D	D400	77.070	150	1:80	77.120	100	431082.694	410481.043
SDC03	78.830	1.810	0.00	450	SSG - TYPE D	D400	77.020	150	1:80	77.070	100	431078.771	410466.311
SDC04	78.850	1.800	0.00	450	SSG - TYPE D	D400	77.050	150	1:80	77.050	100	431087.082	410472.890
SDC05	79.420	2.460	0.00	450	SSG - TYPE D	D400	76.960	150	1:80	77.010	100	431113.112	410436.415
SDC06	78.490	1.560	0.00	450	SSG - TYPE D	D400	76.930	150	1:80	76.980	100	431111.415	410424.775
SDC07	79.690	2.770	0.00	450	SSG - TYPE D	D400	76.920	150	1:80	78.360*	100	431128.708	410433.551
SDC08	79.690	2.800	0.00	450	SSG - TYPE D	D400	76.890	150	1:80	78.700*	100	431131.376	410423.106
SDC09	79.750	2.840	0.00	450	SSG - TYPE D	D400	76.910	150	1:80	78.450	100	431138.450	410434.199
SDC10	80.100	3.240	0.00	450	SSG - TYPE D	D400	76.860	150	1:80	76.860	100	431164.004	410422.306
SDC11	80.240	3.420	0.00	450	SSG - TYPE D	D400	76.820	150	1:80	78.940*	100	431168.465	410407.567
SDC12	80.270	3.450	0.00	450	SSG - TYPE D	D400	76.820	150	1:80	78.920	100	431179.914	410412.760
SDC13	80.240	3.450	0.00	450	SSG - TYPE D	D400	76.790	150	1:80	78.870*	100	431178.038	410400.556
SDC14	79.900	3.080	0.00	450	SSG - TYPE D	D400	76.820	150	1:80	78.450*	100	431202.362	410400.000
SDC15	79.800	3.560	0.00	450	SSG - TYPE D	D400	76.240	150	1:80	78.500*	100	431197.352	410389.965

Pipe Schedule Network 10701 - SW - SOUTH									
Pipe Name	Size (mm)	Material	Plan Length	Slope	Start Manhole	Start IL	End Manhole	End IL	
C2 C1.000	225	Reinforced Concrete	6.49	1:150.8	C1	74.882	C2	74.839	
C2 C1.001	225	Reinforced Concrete	18.42	1:149.7	C2	74.839	C3	74.716	
C2 C1.002	225	Reinforced Concrete	20.70	1:150.0	C3	74.716	C4	74.578	
C2 C1.003	225	Reinforced Concrete	11.68	1:142.5	C4	74.578	C5	74.496	
C2 S1.000	600	Reinforced Concrete	15.92	1:45.9	HW1	76.940	S1	76.593	
C2 S1.001	600	Reinforced Concrete	26.00	1:500.0	S1	76.593	S2	76.541	
C2 S1.002	600	Reinforced Concrete	43.87	1:498.5	S2	76.541	S3	76.453	
C2 S1.003	600	Reinforced Concrete	13.21	1:508.2	S3	76.453	S4	76.427	
C2 S1.004	600	Reinforced Concrete	21.78	1:494.9	S4	76.427	S5	76.383	
C2 S1.005	600	Reinforced Concrete	38.27	1:497.0	S5	76.383	S6	76.306	
C2 S1.006	600	Reinforced Concrete	11.68	1:507.9	S6	76.307	S7	76.284	
C2 S1.007	600	Reinforced Concrete	22.48	1:499.6	S7	76.283	FC1	76.238	
C2 S1.008	150	PVC	3.20	1:2.5	FC1	76.238	C1	74.957	

Manhole Schedule Network 10701 - SW - DEMARCATION - NORTH													
Manhole No.	Cover Level	Depth to IL (m)	(Sump)	Manhole Diameter (mm)	Manhole Type*	Cover Type	Outgoing Pipe Invert Level	Outgoing Pipe Diameter (mm)	Outgoing Pipe Gradient (1:X)	Incoming Pipe Invert Level	Incoming Pipe Diameter (mm)	Co-ordinate Easting	Co-ordinate Northing
SDC21	83.620	1.702	0.00	450	SSG - TYPE D	D400	82.000	150	1:80	81.260	100	431187.340	410713.471
SDC22	81.173	1.333	0.00	450	SSG - TYPE D	D400	79.920	150	1:80	80.900*	100	431234.582	410685.257
SDC23	81.600	2.229	0.00	450	SSG - TYPE D	D400	79.450	150	1:80	79.500	100	431238.047	410715.471
SDC24	81.300	1.999	0.00	450	SSG - TYPE D	D400	79.380	150	1:80	79.430	100	431243.761	410752.481
SDC25	81.480	2.079	0.00	450	SSG - TYPE D	D400	79.480	150	1:80	79.530	100	431238.581	410741.501
SDC26	87.250	1.885	0.00	450	SSG - TYPE D	D400	85.450	150	1:80	85.500	100	431115.997	410722.701
SDC27	86.900	1.745	0.00	450	SSG - TYPE D	D400	85.240	150	1:80	85.290	100	431124.301	410712.110
SDC28	85.500	1.444	0.00	450	SSG - TYPE D	D400	84.140	150	1:80	84.190	100	431148.926	410713.073
SDC29	84.230	1.583	0.00	450	SSG - TYPE D	D400	82.730	150	1:80	83.730*	100	431174.862	410695.390
SDC30													