

1. 75mm Breedonporous 14 surf 40/60 to BS EN 13108-1.
2. 150mm Breedonporous close 20 base/bin to BS EN 13108-1.
3. 450mm Thick Granular Sub-Base (Attenuation blanket).
20/40mm Type B Filter Media in accordance with SHW
Volume 1 Series 500 and BS EN 13242 (Grading
Category Gc80/20).
4. Impermeable geotextile to surround base of carpark.
5. 6F2 Capping Layer Thickness To Be Determined
(Following Insitu CBR Testing refer to Capping Table)

BELOW GROUND DRAINAGE TO BE UPVC UNLESS NOTED OTHERWISE IN ACCORDANCE WITH BS EN1401 AND/OR BS EN 4660 AND ARE KITEMARKED.
450mm Dia. INSPECTION CHAMBERS UNLESS NOTED OTHERWISE MAX. 3000mm DEPTH.

WHERE PIPES PASS THROUGH WALLS PROVIDE STRESSLINE
CONCRETE LINTEL OVER WITH MIN. 50mm SPACE ALL ROUND
PIPE MASKED WITH IMPREGNATED FIBREBOARD AND THE VOID
FILLED WITH COMPRESSIBLE SEALANT OR PROVIDE MAX. 600mm
LONG ROCKER PIPES EITHER SIDE OF WALL (WITHIN 150mm)

FOUL DRAINAGE:
100mm Dia. PIPEWORK GENERALLY AT A MIN. 1 in 80 GRAD.
WITH PIPES BEDDED AS MANUFACTURERS RECOMMENDATIONS
FOR GROUND CONDITIONS ON SITE.

STORM DRAINAGE:
100mm Dia. PIPEWORK GENERALLY AT A MIN. 1 in 100 GRAD.
WITH PIPES BEDDED AS MANUFACTURERS RECOMMENDATIONS
FOR GROUND CONDITIONS ON SITE.

MANHOLE NUMBER	COVER LEVEL		PIPE	MH SIZE		TYPES
CO-ORDS	DEPTH TO CONNECT-INVERT	CONNECTIONS	CODE INVERTS	DIA. INV.50FF	MH	COVER
S.01 E 992.431 N 1048.225	103.800m 1.475m		1 102.328m	100		
S.02 E 981.346 N 1039.510	103.800m 1.680m		1 102.328m 102.120m 102.120m	100 100 100	1200	2 B125
S.03 E 1009.344 N 1030.425	103.800m 1.475m		0 102.328m	100	1200	2 B125
S.04 E 1002.430 N 1024.782	103.800m 1.460m		0 102.340m 102.340m 102.340m	100 100 100	1200	2 B125
S.05 E 1003.404 N 1021.197	103.800m 1.680m		1 102.120m 102.120m	100	1200	2 B125
S.06 E 974.987 N 1027.529	104.810m 2.845m		0 101.965m 101.965m 101.965m	100 100 100	1200	2 D400
S.07 E 982.422 N 1021.852	103.400m 1.550m		0 101.850m 101.850m	100	1200	2 B125
S.08 E 992.891 N 1006.045	100.800m 1.235m		0 99.565m 99.565m	100	900	3 D400

MANHOLE NUMBER	COVER LEVEL	PIPE	M/H SIZE	TYPES		
CO-ORDS	DEPTH TO CONNECT- INVERT	IONS	CODE INVERTS	DIA INV. SOFF	M/H	COVER
C.014 (Adaptable)	103.675m		0	102.258m	100	
E. 984.398 N. 1031.336	1.417m		1	102.258m	100	900
			2	102.258m	100	
			3	102.258m	100	
C.01 (Adaptable)	103.675m		0	102.190m	100	
E. 990.464 N. 1038.817	1.560m		1	102.190m	100	900
			2	102.190m	100	3
			3	102.190m	100	D40
C.02 (Adaptable)	103.500m		0	102.020m	100	
E. 984.398 N. 1031.336	1.480m		1	102.020m	100	900
			2	102.020m	100	3
C.03 (Adaptable)	100.925m		0	99.375m	100	
E. 1000.109 N. 1007.103	1.550m		1	99.375m	100	900
			2	99.375m	100	3
C.04 (Adaptable)	100.450m		0	99.225m	100	
E. 1000.109 N. 1007.103	1.225m		1	99.225m	100	900
			2	99.225m	100	3
			3	99.225m	100	D40

MANHOLE NUMBER	COVER LEVEL	PIPE	M/H SIZE	TYPES
CO-ORDS	DEPTH TO CONNECT-INVERT	CODE INVERTS DIA. (H/S) (D/F)	M/H	COVER
F.01 E. 986.791 N. 1045.365	103.80m 0.900m	0 102.90m 100	450	4 B125
F.02 E. 984.912 N. 1043.500	103.80m 0.900m	1 102.90m 100	450	4 B125
F.03 E. 986.748 N. 1034.864	103.80m 1.000m	0 102.80m 100	450	4 B125
F.04 E. 1000.172 N. 1017.959	103.80m 1.650m	0 102.150m 100	450	4 B125

NOTES:

1. DRAINAGE DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 7th EDITION AND THE REQUIREMENTS OF THE STATUTORY UNDERTAKER
2. REFER TO DRAWING NO. HCE-1333-001 FOR GENERAL CONSTRUCTION NOTES.
3. 100mm DIAMETER PLASTIC PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS IN 1401-1, BS IN 1852 AND BS EN 12666-1. THERMOPLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 AND BE KITE MARKED.
4. FOR DRAINAGE DETAILS & SECTIONS REFER TO DRAWING NO. HCE-1333-003, 004 & 005.

 — ABANDONED SEWER
 — PROPOSED SEWER
 — SITE EXTENTS
 — EASEMENT

REV	DATE	BY	DESCRIPTION	CHK	APP'D
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URBAN PROPERTY GROUP

ARCHITECT: HURLEY & DAVIES

PROJECT: RESIDENTIAL DEVELOPMENT
COMMERCIAL STREET, YSTALYFERA
SWANSEA

TITLE: _____

DCWW SECTION 185 AGREEMENT

SCALE @ A1:	CHECKED:	APPROVED:

1:200	1H	1H
CAD FILE: HCE-1333-200	DESIGN-DRAWN: WJ	DATE: JAN 2020

PROJECT No:	DRAWING No:	REV:
1333	200	B01