

Car Park Make-Up Specification -

- 75mm Breedonporous 14 surf 40/60 to BS EN 13108-1.
- 150mm Breedonporous close 20 base/bin to BS EN 13108-1.
- 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).
- Impermeable geotextile to surround base of carpark.
- 6F2 Capping Layer Thickness To Be Determined
Following Insitu CBR Testing refer To Capping Table)

NOTE:

ALL DIMENSIONS & LEVELS ARE BASED
ON SITE SURVEY. THE CONTRACTOR
MUST VERIFY ALL DIMENSIONS ON SITE
BEFORE PROCEEDING.

NOTE:

ARCHITECT TO CONFIRM ALL PROPOSED
LEVELS PRIOR TO COMMENCEMENT OF
WORKS ON SITE.

MINOR DRAINAGE NOTES

BELOW GROUND DRAINAGE TO BE UPVC UNLESS NOTED
OTHERWISE IN ACCORDANCE WITH BS EN1401 AND/OR BS EN
4860 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.

DO NOT SCALE

NOTES:

- DRAINAGE DESIGN AND CONSTRUCTION TO BE IN
ACCORDANCE WITH SEWERS FOR ADOPTION 7th EDITION
AND THE REQUIREMENTS OF THE STATUTORY UNDERTAKER.
- REFER TO DRAWING No. HCE-1333-001 FOR GENERAL
CONSTRUCTION NOTES.
- 100mm DIAMETER PLASTIC PIPE SHALL COMPLY WITH THE
RELEVANT PROVISIONS OF BS EN 1401-1, BS EN 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.
- FOR DRAINAGE DETAILS & SECTIONS REFER TO DRAWING
No. HCE-1333-003, 004 & 005.

BELOW GROUND DRAINAGE KEY:

- ADOPTABLE FOUL MANHOLE
- ADOPTABLE FOUL RUN
- SOIL & VENT PIPE
- AIR ADMITTANCE VALVE
- SUB STACK
- ADOPTABLE STORM MANHOLE
- ADOPTABLE SW RUN
- RAIN WATER PIPE
- RODDING EYE
- ACO CHANNEL (ALL TO HAVE
HEEL GUARD GRATINGS)
- ACO SILT TRAP
- SITE EXTENTS

CHAMBERS (STORM)									
MANHOLE NUMBER	COVER LEVEL	PIPE		MH SIZE		TYPES			
CO-ORDS	DEPTH TO INVERT	CONNECT- IONS	CODE INVERTS	DIA INV. SOFF	M/H	COVER			
S.01	103.800m	1	102.328m	100					
E. 992.431 N. 1049.225	1.475m	2	102.328m	100	1200	2	B125		
S.02	103.800m	1	102.120m	100					
E. 981.346 N. 1038.510	1.680m	2	102.120m	100	1200	2	B125		
S.03	103.800m	0	102.328m	100					
E. 1009.344 N. 1030.425	1.475m	1	102.328m	100	1200	2	B125		
S.04	103.800m	0	102.340m	100					
E. 1002.430 N. 1024.782	1.460m	1	102.340m	100	1200	2	B125		
S.05	103.800m	1	102.120m	100					
E. 1003.404 N. 1021.197	1.680m	0	102.120m	100	1200	2	B125		
S.06	104.810m	1	101.965m	100					
E. 974.987 N. 1027.529	2.845m	2	101.965m	100	1200	2	D400		
S.07	103.400m	0	101.850m	100					
E. 982.422 N. 1021.852	1.550m	1	101.850m	100	1200	2	B125		
S.08	100.800m	0	99.565m	100					
E. 992.891 N. 1006.045	1.235m	1	99.565m	100	900	3	D400		

CHAMBERS (COMBINED)									
MANHOLE NUMBER	COVER LEVEL	PIPE		MH SIZE		TYPES			
CO-ORDS	DEPTH TO INVERT	CONNECT- IONS	CODE INVERTS	DIA INV. SOFF	M/H	COVER			
C.01a (Adoptable)	103.675m	0	102.258m	100					
E. 984.398 N. 1031.336	1.417m	2	102.258m	100	900	3	D400		
C.01 (Adoptable)	103.675m	0	102.190m	100					
E. 990.464 N. 1038.817	1.560m	3	102.190m	100	900	3	D400		
C.02 (Adoptable)	103.500m	0	102.020m	100					
E. 984.398 N. 1031.336	1.480m	2	102.020m	100	900	3	D400		
C.03 (Adoptable)	100.925m	0	99.375m	100					
E. 996.748 N. 1034.864	1.000m	1	99.375m	100	900	3	D400		
C.04 (Adoptable)	100.450m	0	99.225m	100					
E. 1000.109 N. 1007.103	1.225m	1	99.225m	100	900	3	D400		

CHAMBERS (FOUL)									
MANHOLE NUMBER	COVER LEVEL	PIPE		MH SIZE		TYPES			
CO-ORDS	DEPTH TO INVERT	CONNECT- IONS	CODE INVERTS	DIA INV. SOFF	M/H	COVER			
F.01	103.80m	0	102.90m	100					
E. 986.791 N. 1045.365	0.900m	1	102.90m	100	450	4	B125		
F.02	103.80m	0	102.90m	100					
E. 984.912 N. 1043.500	0.900m	1	102.90m	100	450	4	B125		
F.03	103.80m	0	102.80m	100					
E. 996.748 N. 1034.864	1.000m	1	102.80m	100	450	4	B125		
F.04	103.80m	0	102.150m	100					
E. 1000.172 N. 1017.959	1.650m	1	102.150m	100	450	4	B125		