

S104 Surface Water Manhole Schedule					
Structure Name	Cover, Inverts & Depth to Invert	Type	Coordinates	Incoming & Outgoing Pipes	Comments
2250	CL 14.728 TBC IL 13.540 (2250) TBC IL 13.465 (3000) TBC Depth 1.263	Existing	E 473221.707 N 107296.554 TBC	Incoming Pipe 2250	Existing
S101	CL 28.215 IL 26.765 Depth 1.450	675 x 1,240 Manhole Type C	E 473128.660 N 107828.884	Outgoing Pipe 1500	Cover D400
S102	CL 27.857 IL 25.889 Depth 2.168	1,200 dia Manhole Type B	E 473130.024 N 107818.791	Incoming Pipe 1500 Outgoing Pipe 3000	Cover D400
S104	CL 28.367 IL 24.614 Depth 3.753	1,500 dia Manhole Type A	E 473171.797 N 107824.502	Incoming Pipe 3750 Outgoing Pipe 3750	Cover D400
S105	CL 28.489 IL 24.488 Depth 4.001	1,500 dia Manhole Type A	E 473221.536 N 107831.301	Incoming Pipe 4500 Outgoing Pipe 4500	Cover D400
S107	CL 27.729 IL 24.332 Depth 3.397	1,500 dia Manhole Type B	E 473282.077 N 107812.101	Incoming Pipe 5250 Outgoing Pipe 6000	Cover D400
S108	CL 26.885 IL 24.199 Depth 2.686	1,500 dia Manhole Type B	E 473340.569 N 107793.551	Incoming Pipe 6750 Outgoing Pipe 6750	Cover D400
S115	CL 26.749 IL 24.418 Depth 2.331	1,800 dia Manhole Type B	E 473363.770 N 107801.206	Incoming Pipe 3000 Outgoing Pipe 4500	Cover D400
Overflow Weir Control Chamber	CL 26.750 IL 23.990 Depth 2.760	3,000 dia Manhole Type B	E 473355.044 N 107795.751	Incoming Pipe 6750 Incoming Pipe 4500 Outgoing Pipe 1500	Cover D400
Flow Control Chamber	CL 25.675 IL 23.681 Depth 1.994	1,200 dia Manhole Type 2	E 473367.479 N 107774.404	Incoming Pipe 1500 Outgoing Pipe 1500	Cover D400
S118	CL 22.786 IL 21.436 Depth 1.350	675 x 1,240 Manhole Type C	E 473306.446 N 107695.190	Incoming Pipe 1500 Outgoing Pipe 1500	Cover D400
S119	CL 19.551 IL 18.050 Depth 1.501	675 x 1,240 Manhole Type C	E 473245.964 N 107615.553	Incoming Pipe 1500 Outgoing Pipe 1500	Cover D400
S120	CL 18.106 IL 15.800 Depth 2.306	1,200 dia Manhole Type 2	E 473202.765 N 107557.625	Incoming Pipe 1500 Outgoing Pipe 2250	Cover D400
S121	CL 16.369 IL 14.944 Depth 1.425	675 x 1,240 Manhole Type C	E 473199.550 N 107457.676	Incoming Pipe 2250 Outgoing Pipe 2250	Cover D400
S122	CL 15.717 IL 14.368 Depth 1.349	675 x 1,240 Manhole Type C	E 473203.423 N 107407.946	Incoming Pipe 2250 Outgoing Pipe 2250	Cover D400
S123	CL 14.497 IL 13.743 Depth 0.753	675 x 900 Manhole Type D	E 473253.838 N 107321.584	Incoming Pipe 2250 Outgoing Pipe 2250	Cover D400

S38 Surface Water Manhole Schedule					
Structure Name	Cover, Inverts & Depth to Invert	Type	Coordinates	Incoming & Outgoing Pipes	Comments
S109	CL 34.461 IL 33.030 Depth 1.431	675 x 1,240 Manhole Type M3A	E 473398.812 N 107976.665	Outgoing Pipe 2250	Cover D400
S110	CL 32.478 IL 30.998 Depth 1.480	675 x 1,240 Manhole Type M3A	E 473405.825 N 107927.466	Incoming Pipe 2250 Outgoing Pipe 2250	Cover D400
S111	CL 30.499 IL 29.000 Depth 1.499	675 x 1,240 Manhole Type M3A	E 473412.537 N 107878.281	Incoming Pipe 2250 Outgoing Pipe 2250	Cover D400
S112	CL 29.138 IL 26.846 Depth 2.292	1,200 dia Manhole Type M22	E 473404.186 N 107845.038	Incoming Pipe 2250 Outgoing Pipe 2250	Cover D400
S113	CL 27.843 IL 25.364 Depth 2.479	1,200 dia Manhole Type M22	E 473388.891 N 107818.813	Incoming Pipe 2250 Outgoing Pipe 3000	Cover D400

Refer to Hampshire County Council standard detail drawings.
Type M22 for depth to crown exceeding 1.5m but not 3.0m - HCC10/D/045 Rev -
Type M3A for depth to crown exceeding 1.0m but not 1.5m - HCC10/D/055 Rev -

Incoming and outgoing pipes refers to mains drainage only. For gully and lateral connections, refer to drawing no. C85850-D101 Adoptable Drainage.

S104 Foul Water Manhole Schedule					
Structure Name	Cover, Inverts & Depth to Invert	Type	Coordinates	Incoming & Outgoing Pipes	Comments
F101	CL 27.948 IL 26.375 Depth 1.573	1,200 dia Manhole Type B	E 473136.728 N 107823.388	Outgoing Pipe 1500	Cover D400
F106	CL 26.878 IL 25.650 Depth 1.228	675 x 1,240 Manhole Type C	E 473342.219 N 107796.818	Outgoing Pipe 1500	Cover D400

Existing Public Surface Foul Capacity & Connection

The existing public foul water sewer crossing the site shall be diverted via S185 Sewer Diversion application with Southern Water. Exact route to be confirmed. Proposed site connections to S185 subject to capacity check and upgrade proposals by Southern Water. No construction works shall be undertake prior to formal capacity, connection, S104 and S185 approval has been issued by Southern Water.

For S185 Foul water manhole schedule, refer to drawing no. C85850-D121.

Drainage & Road Layout Standard Drawing Notes

- 1.The contractor is to check and verify all buildings, site dimensions and levels, including sewer invert levels, before works start on site.
 - 2.The contractor is to comply in all aspects with the current building legislation, British Standards, building regulations etc.
 - 3.The contractor is to check the level of existing sewers which are to be used as an out-fall prior to commencement of any onsite drainage works. Any discrepancies are to be reported to the Engineer.
 - 4.This drawing is to be read in conjunction with and checked against all other drawings, Engineering Details, specifications and any structural, geotechnical or other specialist document provided.
 - 5.Any anomaly or contradiction between any of the above or difference between actual and drawn details is to be reported to Bellway Homes (Wessex)
 - 6.Drainage to be adopted under Section 104 of the Water Industries Act 1991, shall be constructed and tested in accordance with Sewers for Adoption 6th Edition published by WRC plc and the combined addendum to SFA.
 - 7.Roads, footpaths and parking areas which form part of the highway to be adopted under Section 278 or 38 of the Highways Act 1980 shall comply with the Hampshire County Council's Highway Specification and Standard Details.
 - 8.All substrata structures and unconsolidated material within the road construction width to be removed
 - 9.Formation preparation to be in accordance with Highways Agency Specification for Highway Works (SHW) cl. 616. No prepared formation to be continuously exposed to rain causing degradation below design CBR or to be left uncovered overnight.
 10. Any soft, damaged or weak spots including peat contaminated material are to be excavated and replaced with SHW Type 1 in accordance with SHW cl.803 laid and compacted to cl.802, Table 8/4
 11. Where ground conditions are deemed to be frost susceptible, refer to Ground Investigation report, carriageway thickness shall be 450mm minimum thickness. All material within 450mm of road construction to be non-frost susceptible.
 - 12.Positions of existing services/statutory undertaker's apparatus adjacent to or crossing proposed sewers are to be checked by the contractor prior to starting work.
- All adoptable drainage and highway works to be installed in accordance with;
- S104 & S185 Sewers - Sewers for Adoption 6th edition, including all applicable local Southern Water addendums
 - S278 and S38 Highways - Hampshire County Council Specification and Standard Details.

Existing Utilities

The contractor shall refer to the existing and proposed services information, provided by Bellway Homes (Wessex).

It is the Contractor's responsibility to liaise with all relevant services companies to ensure that all existing services are accurately located and adequately protected during construction.

It is the Contractor's responsibility to liaise with the Developer and all relevant services companies to ensure that all new and diverted services are accurately located and adequately protected during construction.

All works to existing services to be undertaken as required by the Developer. Refer to Developer design.

Notes:-

1. Where this drawing has been issued in electronic .dwg format it has been done so in good faith. jnpgroup do not take any responsibility for any inaccuracies in the electronic data, which should be checked against the paper (or .pdf) drawing issue. Any apparent discrepancies should be immediately reported to jnpgroup. The electronic .dwg file should not be assumed to be to scale and should not be used for 'overlying', setting out or checking of any third party information. All dimensions should be taken from the paper (or .pdf) version of the drawing. Electronic drawings may contain third party information, jnpgroup take no responsibility for this information, which should be checked against the originators paper drawing(s).
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Health and Safety Note:
The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

This drawing is to be checked in accordance with Sewers for Adoption 6th Edition.

Precast concrete manholes shall not be cut under any circumstances.

No infill manhole covers shall be used.

F	18.01.19	MH's S103 & S106 removed.	KM	KT
E	04.01.18	MH chambers S118-S123 added to schedule.	KM	KT
D	07.12.18	S38 schedule revised to suit updated drainage.	CT	KM
C	12.10.18	Foul manhole F106 revised to Type C.	CT	KM
B	28.09.19	Surface water drainage updated to suit Wehollite oversized pipes.	CT	KM
A	13.09.18	Manhole schedules updated to suit revised drainage. Status revised to construction issue. S185 schedule removed.	CT	KT
Rev.	Date	Amendment	By	Chk.

Status

Construction





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Client	Bellway Homes		
Job	Bartons Road Havant, Hampshire		
Title	Adoptable Manhole Schedule		
Scale	NA	@ A1	Date July 2018
Drawn by	CT	Checked by	KT Approved by KT
    			

Drawing No.	Rev.
C85850-D104	F

Setting out for Wehollite attenuation pipes TBC, subject to specialist design.