Surface Water Network 6 Schedule

Manhole Number	Coordinates	Cover Level	Depth To Soffit	Connections	Pipe Code	Pipe Inverts	Pipe Diams	Manhole Size	Types Manhole	Types Cover
S601	E. 507623.161 N. 104206.123	16.250	0.500	0	0 1	1.000 1.000	15.650 15.524	100 100	1200	4	B125
S602	E. 507623.020 N. 104193.099	16.250	0.627	1 0	0	1.001	15.524	100	1200	4	B125
S603	E. 507612.794 N. 104207.991	16.250	0.500	0	0	2.000	15.650	100	1200	4	B125
S604	E. 507612.968 N. 104193.125	16.250	0.724	2 1 0	1 2 0	1.001 2.000 1.002	15.426 15.426 15.426	100 100 100	1200	4	B125
S605	E. 507611.885 N. 104207.344	16.250	0.500	0	0	3.000	15.650	100	1200	4	B125
S606	E. 507611.945 N. 104192.215	16.250	0.737	1 2 0	1 2 0	1.002 3.000 1.003	15.413 15.413 15.413	100 100 100	1200	4	B125

Surface Water Network 6 Schedule

Manhole Number	Coordinates	Cover Level	Depth To Soffit	Connections	Pipe Code	Pipe Inverts	Pipe Diams	Manhole Size	Types Manhole	Types Cover
S607	E. 507606.597 N. 104192.236	16.250	0.789	1 0	1 0	1.003 1.004	15.361 15.361	100 100	1200	4	B125
S608	E. 507602.939 N. 104200.524	16.250	0.500	0	0	4.000	15.650	100	1200	4	B125
S609	E. 507601.268 N. 104186.150	16.250	0.500	0	0	5.000	15.650	100	1200	4	B125
S610	E. 507601.271 N. 104193.594	16.250	0.843	2 3 1 0	1 2 3 0	5.000 1.004 4.000 1.005	15.307 15.307 15.307 15.307	100 100 100 100	1200	4	B125
S611	E. 507591.296 N. 104193.619	16.300	0.990	1	1	1.005	15.210	100	1200	4	B125

Surface Water Network 7 Schedule

Manhole Number	Coordinates	Cover Level	Depth To Soffit	Connections	Pipe Code	Pipe Inverts	Pipe Diams	Manhole Size	Types Manhole	Types Cover
S701	E. 507623.106 N. 104266.681	16.600	0.500	0	0	1.000	16.000	100	1200	4	B125
S702	E. 507622.924 N. 104253.959	16.600	0.624	1 0	1 0	1.000 1.001	15.876 15.876	100 100	1200	4	B125
S703	E. 507623.033 N. 104246.759	16.450	0.544	1 0	1 0	1.001 1.002	15.806 15.806	100 100	1200	4	B125
S704	E. 507624.173 N. 104253.894	16.350	0.500	0	0	2.000	15.750	100	1200	4	B125
S705	E. 507624.232 N. 104243.950	16.450	0.697	2 1 0	1 2 0	2.000 1.002 1.003	15.653 15.653 15.653	100 100 100	1200	4	B125
S706	E. 507634.419 N. 104263.585	16.350	0.500	0	0	3.000	15.750	100	1200	4	B125

Surface Water Network 7 Schedule

Manhole Number	Coordinates	Cover Level	Depth To Soffit	Connections	Pipe Code	Pipe Inverts	Pipe Diams	Manhole Size	Types Manhole	Types Cover
S707	E. 507634.430 N. 104243.942	16.225	0.571	2 1 0	1 2 0	3.000 1.003 1.004	15.554 15.554 15.554	100 100 100	1200	4	B125
S708	E. 507635.580 N. 104263.765	16.150	0.500	0	0	4.000	15.550	100	1200	4	B125
S709	E. 507635.563 N. 104243.941	16.225	0.768	2 1 0	1 2 0	4.000 1.004 1.005	15.357 15.357 15.357	100 100 100	1200	4	B125
S710	E. 507612.169 N. 104231.509	16.300	0.500	0	0	5.000	15.700	100	1200	4	B125
S711	E. 507612.472 N. 104235.542	16.300	0.539	1 0	1 0	5.000 5.001	15.661 15.661	100 100	1200	4	B125
S712	E. 507621.900 N. 104221.709	16.300	0.500	0	0	6.000	15.700	100	1200	4	B125

Surface Water Network 7 Schedule

Manhole Number	Coordinates	Cover Level	Depth To Soffit	Connections	Pipe Code	Pipe Inverts	Pipe Diams	Manhole Size	Types Manhole	Types Cover
S713	E. 507621.824 N. 104229.897	16.300	0.580	1 0	1 0	6.000 6.001	15.620 15.620	100 100	1200	4	B125
S714	E. 507619.433 N. 104230.136	16.300	0.603	1 0	1 0	6.001 6.002	15.597 15.597	100 100	1200	4	B125
S715	E. 507619.907 N. 104242.207	16.450	0.870	1 2 0	1 2 0	5.001 6.002 5.002	15.480 15.480 15.480	100 100 100	1200	4	B125
S716	E. 507628.042 N. 104221.078	16.100	0.500	0	0	7.000	15.500	100	1200	4	B125
S717	E. 507628.286 N. 104242.110	16.200	0.804	1 2 0	1 2 0	5.002 7.000 5.003	15.296 15.296 15.296	100 100 100	1200	4	B125
S718	E. 507641.481 N. 104221.233	16.100	0.500	0	0	8.000	15.500	100	1200	4	B125

Surface Water Network 7 Schedule

Manhole Number	Coordinates	Cover Level	Depth To Soffit	Connections	Pipe Code	Pipe Inverts	Pipe Diams	Manhole Size	Types Manhole	Types Cover
S719	E. 507641.481 N. 104237.642	15.850	0.409	1 0	1 0	8.000 8.001	15.341 15.341	100 100	1200	4	B125
S720	E. 507638.238 N. 104241.923	16.125	0.826	2 1 0	1 2 0	5.003 8.001 5.004	15.199 15.199 15.199	100 100 100	1200	4	B125
S721	E. 507638.238 N. 104243.969	16.125	0.846	1 2 0	1 2 0	1.005 5.004 1.006	15.179 15.179 15.129	100 100 150	1200	4	B125
S722	E. 507640.062 N. 104243.969	16.125	0.856	1	1	1.006	15.119	150	1200	4	B125

NOTES:

1. All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.

2. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.

3. The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.

4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.

5. All pipes, bends and junctions shall be vitrified clay to BS EN 295-1, with flexible joints and kitemark certified. Alternatively all pipes and fittings can be UPVC conforming to BS EN 1401-1 and shall be laid in accordance with the manufacturers specification. If UPVC pipes are to be used then the manufacturer shall be approved by the Engineer prior to construction.

6. All Adoptable sewers shall be in strict accordance with the current edition of Sewers For Adoption. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class Z bedding.

7. All private building drainage shall be constructed in strict accordance with BS EN 752:1996. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.

8. Where the service trench is near to the foundation of any building, refer to the guidance in Approved Document H, Building Regulations Part H1.

9. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.

10. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.

11. All svps shall have rodding access plates fitted at their bases (ground floor level).

12. Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.

Soakaway Ref:	Soakaway Dimensions:
Soakaway 1	Crates = 18.5m long x 3.5m x 1.6m deep
Soakaway 2	Crates = 10m long x 2m x 1.6m deep
Soakaway 3	Crates = 7.5m long x 1.5m x 1.6m deep
Soakaway 4	Ring = 1.8mØ x 2.5m deep
Soakaway 5	Crates = 6.5m long x 2m x 1.6m deep
Soakaway 6	Crates = 14m long x 3m x 1.6m deep
Soakaway 7	Ring = 1.8mØ x 2.5m deep
Soakaway 8	Ring = 1.8mØ x 2.2m deep
Soakaway 9	Ring = 1.8mØ x 2.2m deep

Soakaway sizes based on infiltration rates calculated from data obtained from Oakland Site Investigation Ltd during their onsite percolation testing. An Allowance of 8% for Urban Creep has been provided for based on West Sussex LLFA policy table 5.2. A factor of safety of 2.0 has also been allowed for.

REV	DATE	INT	DESCRIPTION	CHK
B	01.07.19	PR	New Site Plan added. Soakaway design revised following soakage test results. Drainage updated to suit.	SB
A	15.03.18	TZ	Revised to suit new plan	SRM

Issue Status: FOR APPROVAL

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the civil engineering practice

CLIENT: Roffey Homes Ltd

PROJECT: Manor Nurseries Site, Angmering

TITLE: Proposed Drainage Strategy Schedules

DRAWN	DATE	PROJECT NO.
T Zajac	Mar 2018	22995
ENGINEER	CHECKED	
S Magowan		
SCALE	DRG. No.	REV.
1:250 @ A1	105	B