

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S201	16.319							
E. 507628.259	1.200					1200	2	D400
N. 104271.834			0	1.000	15.019	100		
S202	16.111		1	1.000	14.811	100		
E. 507646.777	1.200					1200	2	D400
N. 104271.709			0	1.001	14.761	150		
S203	15.906		1	1.001	14.290	150		
E. 507664.654	1.466		2	2.000	14.340	100		
N. 104271.542			0	1.002	14.290	150		
S204	15.868		1	1.002	14.272	150		
E. 507667.883	1.446					1200	2	D400
N. 104271.491								
S205	15.750							
E. 507671.281	1.200					1200	2	D400
N. 104262.342			0	2.000	14.450	100		

Surface Water Network 3 Schedule

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S301	15.866							
E. 507588.925	1.200					1200	2	D400
N. 104294.379			0	1.000	14.566	100		
S302	15.961		1	1.000	14.526	100		
E. 507590.247	1.335					1200	2	D400
N. 104290.516			0	1.001	14.526	100		
S303	16.547							
E. 507607.286	1.200					1200	2	D400
N. 104269.957			0	2.000	15.247	100		
S304	16.264		1	2.000	14.762	100		
E. 507596.848	1.402					1200	2	D400
N. 104280.175			0	2.001	14.762	100		
S305	16.291		1	2.001	14.406	100		
E. 507595.867	1.785		2	1.001	14.406	100		
N. 104279.455			0	1.002	14.406	100		
S306	16.375		1	1.002	14.373	100		
E. 507592.257	1.902					1200	2	D400
N. 104277.053								

Surface Water Network 4 Schedule

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S401	16.650							
E. 507587.502	0.500					1200	4	B125
N. 104238.991			0	1.000	16.050	100		
S402	16.650		1	1.000	15.894	100		
E. 507588.586	0.656					1200	4	B125
N. 104255.000			0	1.001	15.894	100		
S403	16.675		1	1.001	15.883	100		
E. 507586.609	0.692					1200	4	B125
N. 104256.123			0	1.002	15.883	100		
S404	16.675		1	1.002	15.575	100		
E. 507589.119	1.000					1200	4	B125
N. 104266.103			0	1.003	15.575	100		
S405	16.675							
E. 507590.645	1.000					1200	4	B125
N. 104273.976			0	2.000	15.575	100		
S406	16.500		1	2.000	15.200	100		
E. 507592.577	1.200		2	1.003	15.200	100		
N. 104272.501			0	1.004	15.200	100		

Surface Water Network 4 Schedule

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S407	16.450		1	1.004	15.094	100		
E. 507600.716	1.256					1200	4	B125
N. 104279.799			0	1.005	15.094	100		
S408	16.800		1	1.005	15.045	100		
E. 507604.613	1.655					1200	4	B125
N. 104283.023								

Surface Water Network 5 Schedule

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S501	16.550							
E. 507587.829	0.500					1200	4	B125
N. 104237.843			0	1.000	15.950	100		
S502	16.550		1	1.000	15.795	100		
E. 507586.822	0.655					1200	4	B125
N. 104221.910			0	1.001	15.795	100		
S503	16.400		1	1.001	15.784	100		
E. 507586.744	0.516					1200	4	B125
N. 104220.738			0	1.002	15.784	100		
S504	16.400							
E. 507597.628	0.500					1200	4	B125
N. 104209.315			0	2.000	15.800	100		
S505	16.400		1	2.000	15.675	100		
E. 507586.084	0.625		2	1.002	15.675	100		
N. 104209.597			0	1.003	15.675	100		
S506	16.400		1	1.003	15.640	100		
E. 507582.431	0.660					1200	4	B125
N. 104209.792			0	1.004	15.640	100		

Surface Water Network 5 Schedule

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S507	16.400		1	1.004	15.575	100		
E. 507582.082	0.725					1200	4	B125
N. 104203.148			0	1.005	15.575	100		
S508	16.300		1	1.005	15.477	100		
E. 507588.606	0.723					1200	4	B125
N. 104195.375								

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 (fibrecard 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
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Issue Status FOR APPROVAL

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civil

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practice

CLIENT

PROJECT

TITLE

DRAWN

DATE

PROJECT NO.

ENGINEER

CHECKED

DWG. NO.

REV.

SCALE

Roffey Homes Ltd

Manor Nurseries Site
Angmering

Proposed Drainage Strategy
Schedules

T Zajac

Mar 2018

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S Magowan

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