Node ID	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Node Type	MH Type	Connections	Link ID	IL (m)	Dia (mm)	Link Type
MHF-01.2	526491.257	328993.623	3.600	0.900	900	675	Manhole	Type D	0	1.000	2.700	100	Circular
MHF-01.1	526506.346	329002.707	3.600	1.000	450			PPIC	0	2.000	2.600	100	Circular
MHF-01	526507.436	328994.202	3.360	0.870	900	675	Manhole	Type D	1 2 0	1.000 2.000 1.001	2.490 2.490 2.490	100 100 100	Circular Circular Circular
MHF-02.1	526514.724	328984.005	3.200	0.700	900	675	Manhole	Type D	0	3.000	2.500	100	Circular
MHF-02.2	526503.570	328985.532	3.500	0.800	450			PPIC	0	4.000	2.700	100	Circular
MHF-02	526507.851	328984.033	3.290	0.927	900	675	Manhole	Type D	1 2 3 0	1.001 3.000 4.000 1.002	2.363 2.363 2.363 2.363	100 100 100 100	Circular Circular Circular Circular
FJ1.1	526503.781	328973.952	3.350	1.050	450			PPIC	0	5.000	2.300	100	Circular
FJ1	526507.462	328973.744	3.300	1.066	??		Junction		1 2 0	1.002 5.000 1.003	2.234 2.234 2.234	100 100 100	Circular Circular Circular
FJ2.1	526514.873	328969.842	3.350	1.050	450			PPIC	0	6.000	2.300	100	Circular
FJ2	526507.273	328968.947	3.400	1.226	??		Junction		1 2 0	1.003 6.000 1.004	2.174 2.174 2.174	100 100 100	Circular Circular Circular
FJ3.1	526513.549	328956.555	3.350	1.050	450			PPIC	0	7.000	2.300	100	Circular
FJ3	526506.768	328955.735	3.500	1.491	??		Junction		1 2 0	1.004 7.000 1.005	2.009 2.009 2.009	100 100 100	Circular Circular Circular
MHF-03.2	526490.754	328948.068	3.675	1.475	1200		Manhole	Type E	0	8.000	2.200	100	Circular
MHF-03.1	526513.549	328949.063	3.350	0.950	450			PPIC	0	9.000	2.400	100	Circular
MHF-03	526506.480	328948.216	3.440	1.575	1500		Manhole	Type E	1 2 3 0	1.005 9.000 8.000 1.006	1.915 1.915 1.915 1.865	100 100 100 150	Circular Circular Circular Circular
FJ4.1	526513.638	328936.050	3.255	0.835	450			PPIC	0	10.000	2.420	100	Circular
FJ4	526507.771	328935.873	3.225	1.443	??		Junction		1 2 0	1.006 10.000 1.007	1.782 1.832 1.782	150 100 150	Circular Circular Circular
MHF-04.1	526514.513	328929.257	3.220	0.820	450			PPIC	0	11.000	2.400	100	Circular
MHF-04	526508.702	328926.969	3.290	1.568	1500		Manhole	Type E	1 2 0	1.007 11.000 1.008	1.722 2.322 1.722	150 100 150	Circular Circular Circular
FJ5.1	526517.546	328920.341	3.210	1.310	450			PPIC	0	12.000	1.900	100	Circular
FJ5	526510.271	328916.968	3.350	1.827	??		Junction		1 2 0	1.008 12.000 1.009	1.523 1.573 1.523	150 100 150	Circular Circular Circular
MHF-05.1	526518.201	328912.551	3.250	1.250	450			PPIC	0	13.000	2.000	100	Circular
MHF-05	526510.992	328912.374	3.360	1.929	1200		Manhole	Type B	1 2 0	1.009 13.000 1.010	1.431 1.481 1.431	150 100 150	Circular Circular Circular
MHF-06.1	526516.231	328897.722	3.350	1.350	450			PPIC	0	14.000	2.000	100	Circular

All junction nodes are approximate only and are to be confirmed using the final main pipe invert/soffit and location.

All surface water demarcation chambers are to be PPIC catchpits.

All laterals underneath the adoptable highway are to be adopted.

All PPIC's deeper than 1.2m are to be fitted with a non-access cover.

All manhole covers located within adoptable highway areas are to be 150mm deep and D400 rated.

Demarcation chambers, to have the following cover grades; Adoptable areas - D400, private roads - D400, domestic drives - C250, pedestrian areas - B125. If areas are not listed - ask!

Cover levels are approximate only and are to suit finished levels.

Anglain Water adoptable manhole covers are to be denoted 'FW' and 'SW' to denote 'Foul Water' and 'Surface Water' respectively.

Notes:

1. All drawings to be read in conjunction with Structural Engineers Drawings.
2. All plans are drawn in meters unless noted otherwise.
3. Drainage design in accordance with Sewers for Adoption 6th addition.
4. Road design in accordance with 'Lincolnshire County Council - Development Road and Sustainable Drainage Specification and Construction', and any specific requirements of the approving highway officer.
5. Estate road materials to be in accordance with Lincolnshire County Council specifications.
6. All manholes located in the adoptable highways to have a minimum cover grades of D400, be 150mm thick and to me marked FW and SW to denote foul water and surface water, respectively.
7. It is proposed that al laterals from plots are to be adopted.
8. Final connection point levels and locations need to be confirmed prior to commencement of construction.
9. All proprietary items to be installed in strict accordance with the manufacturers instructions and recommendations.
10. All works to be carried out in accordance with the current British Standards, Codes for practice and Building Regulations.
11. Manholes and coordinates are given to the centre of manholes. Groundworker to ensure offsets allow minimum benching requirements and offsets from kerbs.
12. Generally the first inspection chamber located in the private areas is a demarcation chamber for the AW adoptable lateral. Cover grades to be;
    - D400 - adoptable areas and the main access way.
    - C250 - shared parking areas
    - B125 - private domestic car parking (single dwelling)
    - A15 - soft landscaped and non-vehicle areas
13. All drawings need to be read in conjunction with each other, any discrepancies must be reported back to the engineer immediately.
14. Any sewer pipes with less than 1.2m of cover to the top of pipe in the adopted carriageway, less than 1.2m under adopted vehicular crossovers are to receive a concrete cover slab. Where there is very little cover, the pipe is to be ductile iron - refer to longsections for material type. Concrete cover to be confirmed on site.
15. Outside of manhole construction and outside of pipelines to be at least 0.5m and 1.0m respectively, from the kerbface. Sewers might need to be offset in the manholes to achieve - to be confirmed on site.
16. All details are to be read in conjunction with Anglian Water's standard adoptable drainage details - available from Anglian Water upon request.
17. Contractor to ensure that all items are sufficiently protected during construction.
18. Connections into the box culvert are to be set at 200mm above the invert of the box culvert. This is to ensure that the incoming pipe junction is below/above the internal chamfer of the box culvert. See manhole schedule.
19. Cover levels are approximate only, and should be adjusted to suit the final road levels.

REVISION	DATE	DRAWN	DESCRIPTION
E	17.12.2019	S11	Drawing updated to reflect Anglian Water comments.
D	18.11.2019	S11	Drawing generally updated
C	28.10.2019	S11	Drawing generally updated
B	18.09.2019	S11	Drawing generally updated
A	19.08.2019	S11	Initial Issue

ASHWOOD HOMES

CLIENT Seagate Homes Ltd

PROJECT Residential development off Station Road, Surfleet

DRAWING Anglian Water Section 104, Manhole Schedule, Foul Water, 1 of 2

DRAWN	PROJECT DESIGNER	PROJECT DIRECTOR
S11	JMG	KB

DATE	SCALE	PAPER SIZE
Aug' 19	NTS	A1

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