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-06.2	526504.668	328898.112	3.570	1.770	1200		Manhole	Type B	0	15.000	1.800	100	Circular
MHF-06	526509.620	328897.866	3.450	2.116	1500		Manhole	Type B	1 2 3 0	1.010 14.000 15.000 1.011	1.334 1.384 1.384 1.334	150 100 100 150	Circular Circular Circular Circular
FJ6.1	526516.494	328886.680	3.450	1.550	450			PPIC	0	16.000	1.900	100	Circular
FJ6	526510.389	328884.418	3.850	2.606	??		Junction		1 2 0	1.011 16.000 1.012	1.244 1.294 1.244	150 100 150	Circular Circular Circular
FJ7.1	526516.741	328882.275	3.500	1.600	450			PPIC	0	17.000	1.900	100	Circular
FJ7	526510.637	328880.094	3.925	2.710	??		Junction		1 2 0	1.012 17.000 1.013	1.215 1.265 1.215	150 100 150	Circular Circular Circular
MHF-07.1	526518.238	328866.098	3.785	1.985	450			PPIC	0	18.000	1.800	100	Circular
MHF-07.2	526507.531	328865.025	4.080	2.530	450			PPIC	0	19.000	1.550	100	Circular
MHF-07	526511.477	328865.402	3.885	2.768	1500		Manhole	Type B	1 2 3 0	1.013 19.000 18.000 1.014	1.117 1.167 1.167 1.117	150 100 100 150	Circular Circular Circular Circular
MHF-08	526515.429	328833.143	4.700	3.800	1200		Manhole	Type A	1 0	1.014 1.015	0.900 0.900	150 150	Circular Circular
PF01.1	526480.501	328850.383	4.600	1.550	450			PPIC	0	20.000	3.050	100	Circular
F01	526483.525	328830.831	4.580	3.968	1200		Manhole	Type A	1 2 0	1.015 20.000 1.016	0.612 2.100 0.612	150 100 150	Circular Circular Circular
F02	526459.647	328824.997	4.770	4.379	1200		Manhole	Type A	1 0	1.016 1.017	0.391 0.391	150 150	Circular Circular
AW 4806	526454.151	328844.232	4.160	3.950	1200		Manhole	Type A	1	1.017	0.210	150	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, 2 of 2

DRAWN	PROJECT DESIGNER	PROJECT DIRECTOR
S11	JMG	KB

DATE	SCALE	PAPER SIZE
Aug' 19	NTS	A1

DRAWING NUMBER

428.RS.156