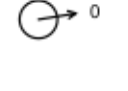

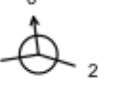

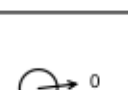





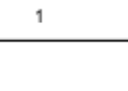
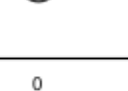
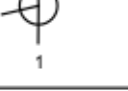

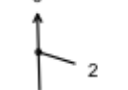

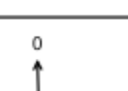
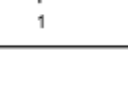
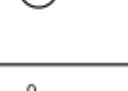



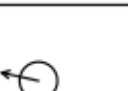
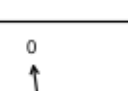
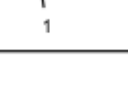



Node ID	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Node Type	MH Type	Connections	Link ID	IL (m)	Dia (mm)	Link Type
MHS-01.2	526509.518	328849.814	4.700	1.700	450			PPIC	 <div>0</div>	1.000	3.000	150	Circular
MHS-01.1	526520.112	328849.479	4.700	1.900	450			PPIC	 <div>0</div>	2.000	2.800	150	Circular
MHS-01	526515.793	328850.836	4.430	2.005	1200		Manhole	Type B	 <div>1 2</div>	1.000 2.000	2.425 2.425	150 150	Circular Circular
MHS-02.2	526506.877	328869.378	3.860	1.060	450			PPIC	 <div>0</div>	1.001	2.425	150	Circular
MHS-02.3	526505.747	328876.440	3.760	1.060	450			PPIC	 <div>0</div>	3.000	2.800	150	Circular
MHS-02.1	526516.765	328875.728	3.570	1.320	450			PPIC	 <div>0</div>	4.000	2.700	150	Circular
MHS-02	526512.151	328877.186	3.600	1.517	1500		Manhole	Type E	 <div>1 2</div>	1.001 3.000	2.158 2.158	150 150	Circular Circular
SJ1.1	526517.367	328891.784	3.400	1.100	450			PPIC	 <div>0</div>	5.000	2.250	150	Circular
SJ1	526512.334	328893.473	3.500	1.513	??		Junction		 <div>1 2</div>	1.001 6.000	2.158 2.062	150 150	Circular Circular
MHS-03.1	526504.715	328899.796	3.550	1.350	1200		Manhole	Type B	 <div>0</div>	1.003	1.987	225	Circular
MHS-03	526512.425	328901.621	3.360	1.421	1500		Manhole	Type E	 <div>1 2</div>	1.002 6.000	1.987 2.062	225 150	Circular Circular
SJ2.1	526517.769	328906.731	3.290	0.490	450			PPIC	 <div>0</div>	7.000	2.200	150	Circular
SJ2	526512.228	328908.489	3.450	1.552	??		Junction		 <div>1 2</div>	1.003 7.000	1.939 2.014	225 150	Circular Circular
SJ3.1	526518.246	328913.325	3.350	0.750	450		Manhole	PPIC	 <div>0</div>	1.004	1.939	225	Circular
SJ3	526512.046	328914.800	3.300	1.439	??		Junction		 <div>1 2</div>	1.004 7.000	1.939 2.014	225 150	Circular Circular
MHS-04.1	526505.568	328919.468	3.500	1.200	1200		Manhole	Type E	 <div>0</div>	1.005 9.000	1.861 1.936	225 150	Circular Circular
MHS-04	526511.904	328919.734	3.260	1.503	1500		Manhole	Type E	 <div>1 2</div>	1.006 10.000	1.832 1.907	225 150	Circular Circular
SJ4.1	526514.964	328924.732	3.225	0.725	450			PPIC	 <div>0</div>	1.007	1.757	300	Circular
SJ4	526511.098	328925.572	3.250	1.518	??		Junction		 <div>1 2</div>	11.000	2.500	150	Circular
SJ5.1	526513.954	328932.267	3.230	0.630	450			PPIC	 <div>0</div>	1.007 11.000	1.732 1.882	300 150	Circular Circular
SJ5	526510.055	328933.113	3.200	1.500	??		Junction		 <div>1 2</div>	1.008 12.000	1.732 1.732	300 300	Circular Circular
SJ6.1	526513.223	328938.653	3.275	0.775	450			PPIC	 <div>0</div>	1.008 12.000	1.700 1.850	300 150	Circular Circular
SJ6	526509.248	328938.954	3.150	1.475	??		Junction		 <div>1 2</div>	1.009 13.000	1.700 1.825	300 150	Circular Circular
Pond Headwall	526497.185	328934.605	3.280	1.830	1500	2289		PCC Headwall	 <div>0</div>	1.009 13.000	1.675 1.825	300 150	Circular Circular
MHS-05	526508.207	328946.493	3.390	2.046	1500		Manhole	Type E	 <div>1 2</div>	1.010 14.000	1.643 1.344	300 375	Circular Circular
									 <div>2 1</div>	1.011	1.344	600	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.

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

Do not scale directly from this drawing. All discrepancies are to be brought to the attention of the below office.

The copyright to this drawing is owned by studio 11 architecture.

The General Contractor is to check all dimensions on site and report discrepancies to the designer.

The details and information shown hereon relating to existing underground drains, main services, cables, etc. and existing structural details, are as obtained by normal survey observation method. Although all reasonable effort has been made, no guarantee can be made or given for the completeness or accuracy of this information.

Notes:

- All drawings to be read in conjunction with Structural Engineers Drawings.
- All plans are drawn in meters unless noted otherwise.
- Drainage design in accordance with Sewers for Adoption 6th edition.
- 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.
- Estate road materials to be in accordance with Lincolnshire County Council specifications.
- 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.
- It is proposed that all laterals from plots are to be adopted.
- Final connection point levels and locations need to be confirmed prior to commencement of construction.
- All proprietary items to be installed in strict accordance with the manufacturers instructions and recommendations.
- All works to be carried out in accordance with the current British Standards, Codes for practice and Building Regulations.
- Manholes and coordinates are given to the centre of manholes. Groundworker to ensure offsets allow minimum benching requirements and offsets from kerbs.
- 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
- All drawings need to be read in conjunction with each other, any discrepancies must be reported back to the engineer immediately.
- 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.
- Outside of manhole construction and outside of pipelines to be at least 0.5m and 1.0m respectively, from the kerb face. Sewers might need to be offset in the manholes to achieve - to be confirmed on site.
- All details are to be read in conjunction with Anglian Water's standard adoptable drainage details - available from Anglian Water upon request.
- Contractor to ensure that all items are sufficiently protected during construction.
- Connections into the box culvert are to be set at 200mm above the invert of the box culvert. This is to ensure the incoming pipe junction is below/above the infernal chamfer of the box culvert. See manhole schedule.
- Cover levels are approximate only, and should be adjusted to suit the final road levels.

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
REVISION	DATE	DRAWN	DESCRIPTION



CLIENT Seagate Homes Ltd

PROJECT Residential development off Station Road, Surfleet

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

DRAWN S11	PROJECT DESIGNER JMG	PROJECT DIRECTOR KB
DATE Aug' 19	SCALE NTS	PAPER SIZE A1

DRAWING NUMBER 428.RS.1.50