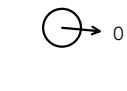
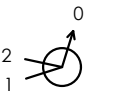
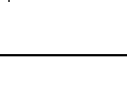
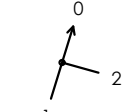
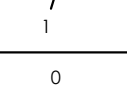
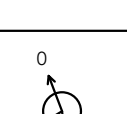
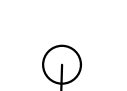
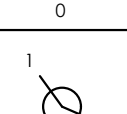
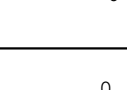
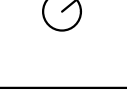
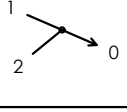
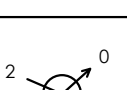
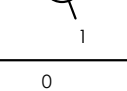
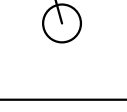
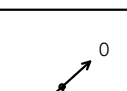
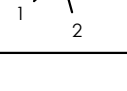
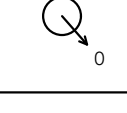
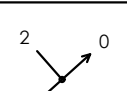
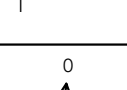
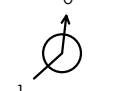


| Node ID  | Easting (m) | Northing (m) | CL (m) | Depth (m) | Dia (mm) | Width (mm) | Node Type | MH Type         | Connections                                                                           | Link ID     | IL (m)                  | Dia (mm)                | Link Type         |                                  |
|----------|-------------|--------------|--------|-----------|----------|------------|-----------|-----------------|---------------------------------------------------------------------------------------|-------------|-------------------------|-------------------------|-------------------|----------------------------------|
| S1.1     | 539512.813  | 325038.777   | 4.025  | 1.115     | 1200     |            | Manhole   | PPIC            |    | 0           | 1.000                   | 2.910                   | 150               | Circular                         |
| S1.2     | 539514.568  | 325042.658   | 3.860  | 0.960     | 450      |            | Manhole   | PPIC            |    | 0           | 2.000                   | 2.900                   | 150               | Circular                         |
| S1       | 539520.863  | 325041.348   | 3.845  | 1.545     | 1500     |            | Manhole   | Modified Type B |    | 1<br>2      | 1.000<br>2.000          | 2.825<br>2.825          | 150<br>150        | Circular<br>Circular             |
|          |             |              |        |           |          |            |           |                 |    | 0           | 1.001                   | 2.300                   | 675               | Circular                         |
| SJ0.1    | 539526.495  | 325043.098   | 3.925  | 1.055     | 450      |            | Manhole   | PPIC            |    | 0           | 3.000                   | 2.870                   | 150               | Circular                         |
| SJ0      | 539521.804  | 325044.406   | 3.925  | 1.630     | ??       |            | Junction  | Adoptable       |    | 1<br>2      | 1.001<br>3.000          | 2.295<br>2.820          | 675<br>150        | Circular<br>Circular             |
|          |             |              |        |           |          |            |           |                 |    | 0           | 1.002                   | 2.295                   | 675               | Circular                         |
| S2       | 539524.300  | 325052.520   | 3.900  | 1.618     | 1500     |            | Manhole   | Modified Type B |    | 1<br>0      | 1.002<br>1.003          | 2.282<br>2.282          | 675<br>675        | Circular<br>Circular             |
| S3.1     | 539517.545  | 325059.155   | 4.000  | 1.140     | 450      |            | Manhole   | PPIC            |    | 0           | 4.000                   | 2.860                   | 150               | Circular                         |
| S3       | 539523.203  | 325062.512   | 4.025  | 1.758     | 1500     |            | Manhole   | Modified Type B |    | 1<br>2      | 1.003<br>4.000          | 2.267<br>2.792          | 675<br>150        | Circular<br>Circular             |
|          |             |              |        |           |          |            |           |                 |    | 0           | 1.004                   | 2.267                   | 675               | Circular                         |
| S4.1     | 539495.254  | 325088.198   | 4.090  | 1.190     | 450      |            | Manhole   | PPIC            |    | 0           | 5.000                   | 2.900                   | 150               | Circular                         |
| S4       | 539498.774  | 325082.986   | 4.025  | 1.740     | 1500     |            | Manhole   | Modified Type B |    | 1<br>0      | 5.000<br>5.001          | 2.810<br>2.285          | 150<br>675        | Circular<br>Circular             |
| SJ1.1    | 539508.193  | 325072.528   | 4.360  | 1.460     | 450      |            | Manhole   | PPIC            |    | 0           | 6.000                   | 2.900                   | 150               | Circular                         |
| SJ1      | 539513.299  | 325076.703   | 4.210  | 1.952     | ??       |            | Junction  | Adoptable       |   | 1<br>2<br>0 | 5.001<br>6.000<br>5.002 | 2.258<br>2.783<br>2.258 | 675<br>150<br>675 | Circular<br>Circular<br>Circular |
| S5       | 539518.693  | 325074.365   | 4.100  | 1.852     | 1800     |            | Manhole   | Modified Type B |  | 1<br>2      | 1.004<br>5.002          | 2.248<br>2.248          | 675<br>675        | Circular<br>Circular             |
|          |             |              |        |           |          |            |           |                 |  | 0           | 1.005                   | 2.248                   | 675               | Circular                         |
| SJ2.1    | 539526.058  | 325072.500   | 4.050  | 1.150     | 450      |            | Manhole   | PPIC            |  | 0           | 7.000                   | 2.900                   | 150               | Circular                         |
| SJ2      | 539524.184  | 325079.312   | 3.890  | 1.653     | ??       |            | Junction  | Adoptable       |  | 1<br>2      | 1.005<br>7.000          | 2.237<br>2.762          | 675<br>150        | Circular<br>Circular             |
|          |             |              |        |           |          |            |           |                 |  | 0           | 1.006                   | 2.237                   | 675               | Circular                         |
| SJ3.1    | 539527.190  | 325087.233   | 3.800  | 0.950     | 450      |            | Manhole   | PPIC            |  | 0           | 8.000                   | 2.850                   | 150               | Circular                         |
| SJ3      | 539529.749  | 325084.324   | 3.800  | 1.574     | ??       |            | Junction  | Adoptable       |  | 1<br>2      | 1.006<br>8.000          | 2.226<br>2.751          | 675<br>150        | Circular<br>Circular             |
|          |             |              |        |           |          |            |           |                 |  | 0           | 1.007                   | 2.226                   | 675               | Circular                         |
| S6       | 539537.533  | 325091.336   | 3.775  | 1.565     | 1800     |            | Manhole   | Hydrobrake      |  | 1           | 1.007                   | 2.210                   | 675               | Circular                         |
|          |             |              |        |           |          |            |           |                 |  | 0           | 1.008                   | 2.210                   | 150               | Circular                         |
| Headwall | 539537.907  | 325094.655   | 3.200  | 1.023     | 1650     | 1350       | Manhole   | Headwall        |  | 1           | 1.008                   | 2.177                   | 150               | Circular                         |

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

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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 kerbface. 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 that the incoming pipe junction is below/above the internal chamfer of the box culvert. See manhole schedule.
- Cover levels are approximate only, and should be adjusted to suit the final road levels.
- All PPIC's deeper than 1.2m are to be fitted with non-accessible covers.
- All junction nodes are approximate only and are to be confirmed using the final main pipe invert/sffit and location.

| F        | 30.04.2020 | S11   | Manhole schedule generally updated.               |
|----------|------------|-------|---------------------------------------------------|
| E        | 22.04.2020 | S11   | S4 and S4.1 details updated.                      |
| D        | 15.04.2020 | S11   | S4 details updated.                               |
| C        | 12.03.2020 | S11   | Demarcation chamber moved. Manhole types updated. |
| B        | 09.03.2020 | S11   | Drawing generally updated. Client name changed.   |
| A        | 12.12.2019 | S11   | Initial issue                                     |
| REVISION | DATE       | DRAWN | DESCRIPTION                                       |



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|                                                                           |                                                           |                        |
|---------------------------------------------------------------------------|-----------------------------------------------------------|------------------------|
| CLIENT                                                                    | Belmont Contractors                                       |                        |
| PROJECT                                                                   | Residential Development off Old Main Road, Fleet Hargate  |                        |
| DRAWING                                                                   | Anglian Water - Section 104<br>Manhole Schedule - Surface |                        |
| DRAWN<br>S11                                                              | PROJECT DESIGNER<br>LAR                                   | PROJECT DIRECTOR<br>KB |
| DATE<br>Nov '2019                                                         | SCALE<br>NTS                                              | PAPER SIZE<br>A1       |
| DRAWING NUMBER<br>356.FH.110                                              |                                                           |                        |
| Working in partnership with Ralph Charman Associates & Eleven Consultants |                                                           |                        |