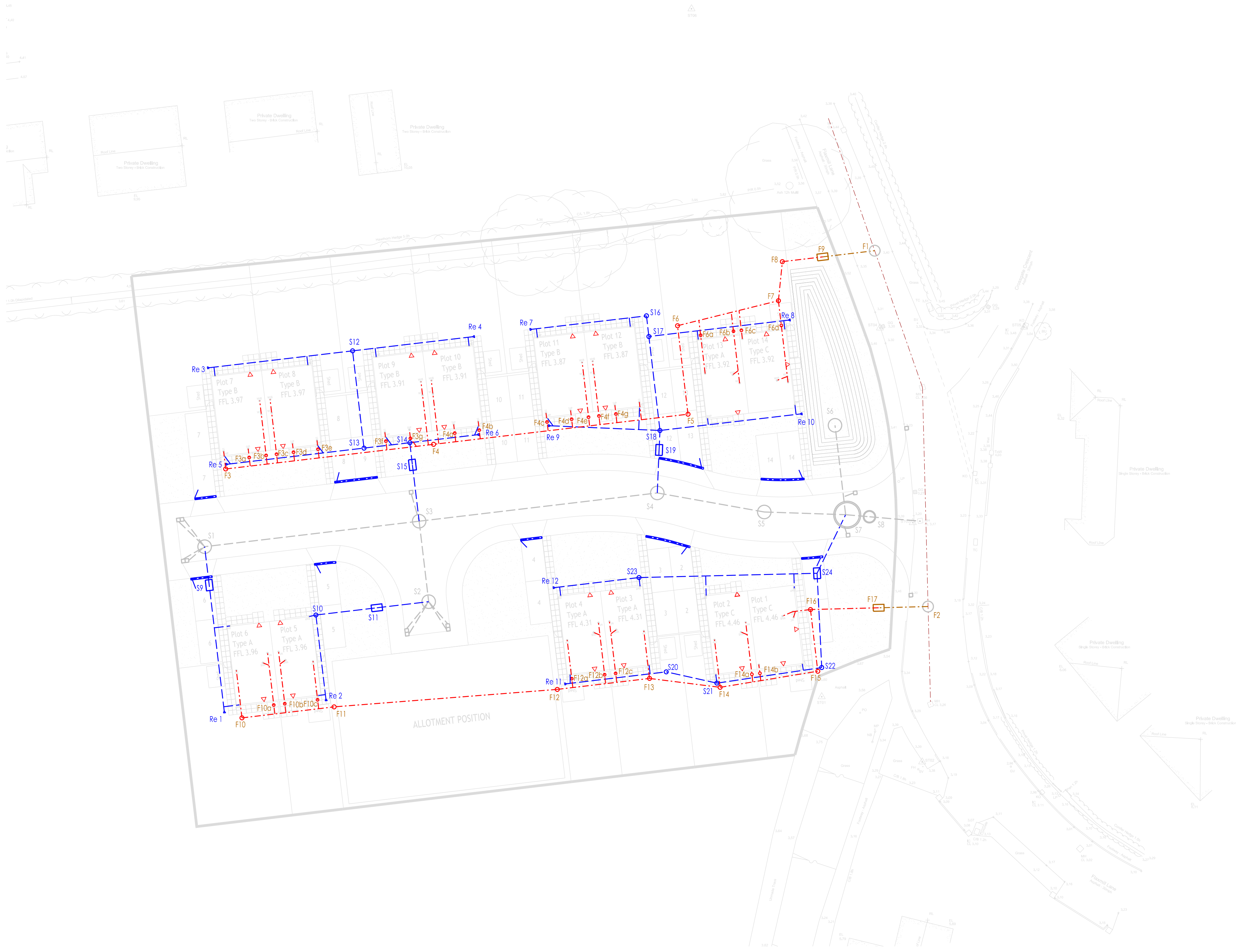
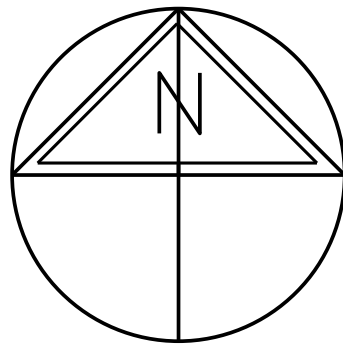




#### NOTES

- Drawing to be read in conjunction with all other relevant Engineers and Architects details.
- All works to be carried out in accordance with the current British Standards, Codes of Practice and Building Regulations.
- The exact position, level, size and use of existing sewers to be confirmed on site and any discrepancies reported to the Engineer prior to the commencement of works.
- All uncovered and shallow pipework to be protected against construction traffic as part of the Contractor temporary works requirements.
- All connections to road gullies and channels to be 150mm diameter. RWP connections to be 100mm diameter subject to confirmation of RWP sites.
- Connections to foul terminal fittings to be 100mm diameter.
- All uncovered pipework to be 100mm diameter unless subject to the notes above.
- All pipework to be at least to HB-A3501.
- All pipework entering and exiting manholes to have level soffit.
- Pre-formed channels to be used at all manholes.
- High strength concrete benching to be steel trowelled to a dense smooth face neatly shaped and finished to all branch connections and laid in accordance with the specification.
- Pipe bends to be provided in direction of flow.
- All manhole covers and frames to be heavy duty ductile iron grade D400 double triangular to BS EN 124 unless noted otherwise.
- Gully tops to be heavy duty ductile iron grade D400 to BS EN 124.
- All new drainage to be constructed adjacent proposed tree planting areas to be protected against root activity using ROOTCONTROL root barrier material by Green-Tech in accordance with the manufacturer's recommendations.
- First flexible joint to pipes adjacent to a manhole shall be 600mm maximum from inside face of manhole connecting to a rocker pipe. Rocker pipe length to be 600mm.
- All soft spots encountered in the trench formation to be removed and replaced with graded granular material.
- Where pipes pass through a wall an opening it to be formed to give at least 50mm clearance to the pipe with a lintel provided to support brickwork. The opening is to be masked each side of the opening with rigid sheet material. Pipes embedded in walls shall have a joint formed within 150mm of each face of the wall with a 600mm rocker pipe.
- Where a pipe trench is within 1.0m of a building provide pipe with concrete protection and 10 trench with concrete to a level equal to the underside of the adjacent foundation. Where the pipe trench is more than 0.1m from the building the trench with concrete to a level below the underside of the adjacent foundation equal to the distance from the building less 150mm.
- Where the formation of a pipe trench is above original ground level, levels are to be made up with compacted Type 2 granular material or better.
- All buried concrete must cater for Class 2 sulphate conditions in accordance with BRE Digest 363.

#### KEY

- Proposed private foul water drain
- Proposed private surface water drain
- Proposed foul inspection chamber/manhole
- Proposed surface water sewer inspection chamber/manhole
- Proposed surface water rodding eye

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Contractors must verify all dimensions, levels and co-ordinates of the site before commencing any work or making any shop drawings: no dimensions to be taken from drawing.

| -                                                                                                                                                                                                                                                | Tender issue | PAE | PAE           | 02/14 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|---------------|-------|
| Rev                                                                                                                                                                                                                                              | Description  | Drm | Vf'd          | Date  |
| In accordance with CDM Regulations 7, 11 and 18, any significant risks (as defined in the Approved Code of Practice paragraph 133) relating to the design features shown on this drawing have been identified and are annotated thus: <b>[X]</b> |              |     |               |       |
| <input checked="" type="checkbox"/> No significant risks have been identified.                                                                                                                                                                   |              |     |               |       |
| <input type="checkbox"/> Significant risks have been identified - refer to notes on drawing for information on residual risks and any control measures to be employed.                                                                           |              |     |               |       |
| Refer to the current Designer's Risk Assessment sheets for further details.                                                                                                                                                                      |              |     |               |       |
| Designer's Signature                                                                                                                                                                                                                             |              | PAE | Date 22/01/14 |       |

|                |        |
|----------------|--------|
| Drawing Status | Tender |
|----------------|--------|

**williamsaunders**  
architecture: engineering: building consultancy  
Sheppard Lockton House  
Caffera Way  
Newark-on-Trent  
Nottinghamshire, NG24 2TN  
Tel: 01636 704361  
Fax: 01636 702809  
W: wms-saunders.co.uk

Also at Leeds, Cardiff, Warkworth

|            |        |                                                                    |            |                |       |          |   |
|------------|--------|--------------------------------------------------------------------|------------|----------------|-------|----------|---|
| Project    |        | Proposed Development<br>Flaxmill Lane<br>Pinchbeck<br>Lincolnshire |            |                |       |          |   |
| Client     |        | Westleigh Developments Ltd                                         |            |                |       |          |   |
| Title      |        | Domestic Drainage Layout                                           |            |                |       |          |   |
| Drawn      | PAE    | Date                                                               | 22-01-2014 | Scale          | 1:250 | @ A1     |   |
| Discipline | Civils | Project Number                                                     | 10939      | Drawing Number | (9)20 | Revision | - |