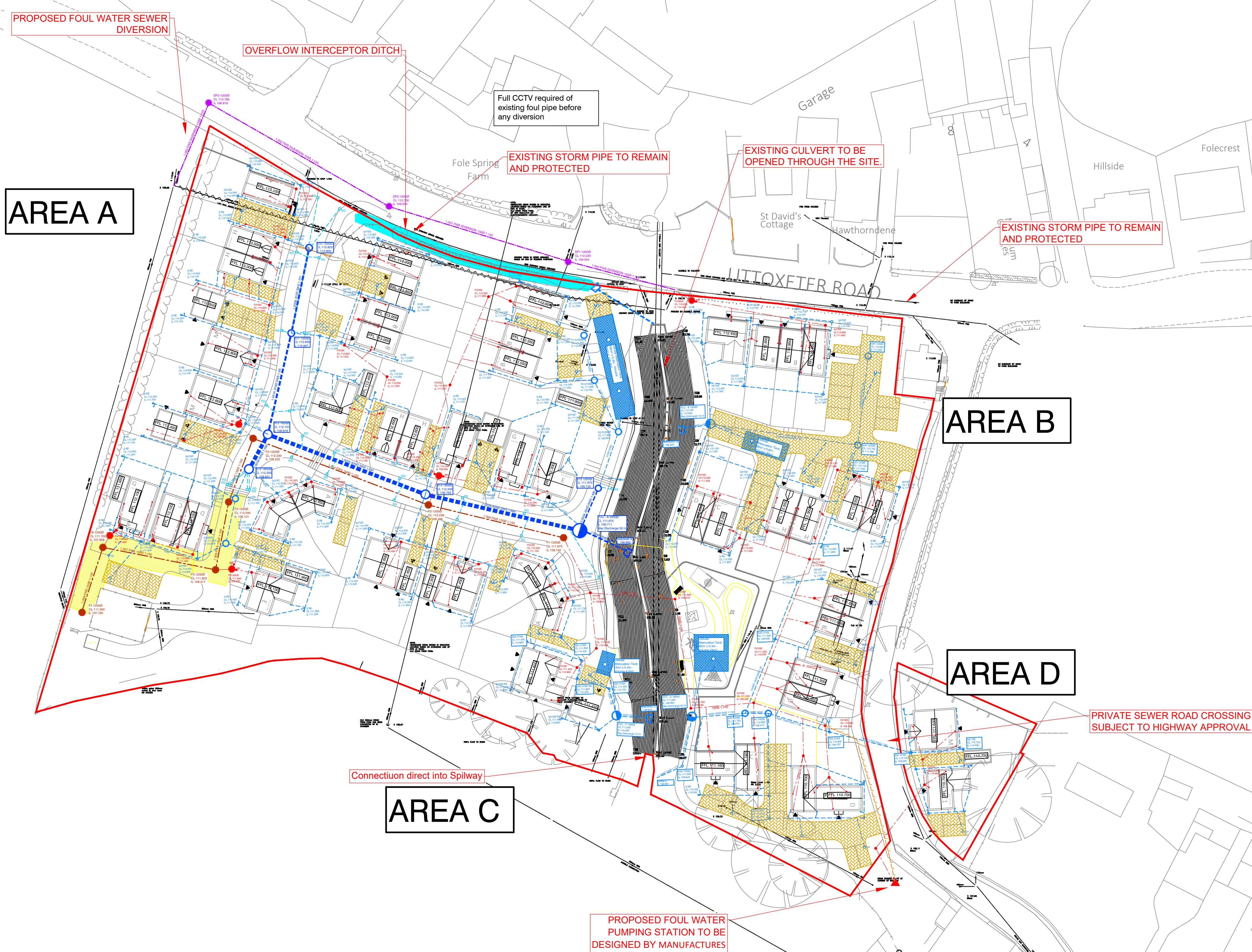




All pipes to be 150Ø unless otherwise stated

AREA D

PROPOSED FOUL WATER  
PUMPING STATION TO BE  
DESIGNED BY MANUFACTURES

| Drainage Strategy Design Assumptions and Recommendations                                                                                                                                                                       |                  |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|
| <b>AREA D</b>                                                                                                                                                                                                                  |                  |                   |
| (The discharge rate is based on a maximum total site discharge rate of 100 l/s, as per the Patrick Parsons Drainage Report of 2018, please note that the discharge rate will need to be approved by ULFA and Water Authority). |                  |                   |
| The discharge is to be divided into 4 areas.                                                                                                                                                                                   |                  |                   |
| Area D discharge rate 20.0/s.                                                                                                                                                                                                  |                  |                   |
| Total impermeable area is calculated at 0.113 ha.                                                                                                                                                                              |                  |                   |
| Total impermeable area + Urban Creep (10%) is calculated at 0.123 ha.                                                                                                                                                          |                  |                   |
| Therefore, with the above discharge rate of 20.0 l/s the following attenuation value have been calculated                                                                                                                      |                  |                   |
| Return period                                                                                                                                                                                                                  | Type             | Volume attenuated |
| 1 in 100 years                                                                                                                                                                                                                 | Tank (60 x 0.4m) | 24m <sup>3</sup>  |

**KEY**

- Existing Storm Drain
- Existing Storm Drain Abandoned
- Existing Foul Drain
- Existing Foul Drain Abandoned
- Foul Drain
- Foul Inspection Chamber
- Foul Drainage Offered for Adoption
- Foul Manhole Offered for Adoption
- Storm Drain
- Storm Inspection Chamber
- Storm Manhole
- Storm Drainage Offered for Adoption
- Storm Manhole Offered for Adoption

**Drainage Channel**

- Gully
- Storm Rising Eye
- Foul Flushing Main
- Permeable Paving with overflow
- Sewer Easement
- S185 FWS diversion
- S185 SWS diversion

|     |          |                                    |     |
|-----|----------|------------------------------------|-----|
| L   | 23.06.25 | Scale amended                      | RAA |
| J   | 16.11.22 | Updated to latest layout           | RAA |
| H   | 31.10.22 | Attenuation relocated              | RAA |
| G   | 27.08.22 | Updated to latest layout           | RAA |
| F   | 30.08.22 | Diversion amended                  | RAA |
| E   | 30.06.22 | New Layout, drainage updated       | ZH  |
| D   | 20.04.22 | New Layout, drainage updated       | RAA |
| C   | 20.12.21 | Updated to FRA                     | RAA |
| B   | 29.11.21 | Updated to FRA                     | RAA |
| A   | 15.10.21 | Drainage amended to suit new FFL's | RAA |
| REV | DATE     | AMENDMENT                          | BY  |

