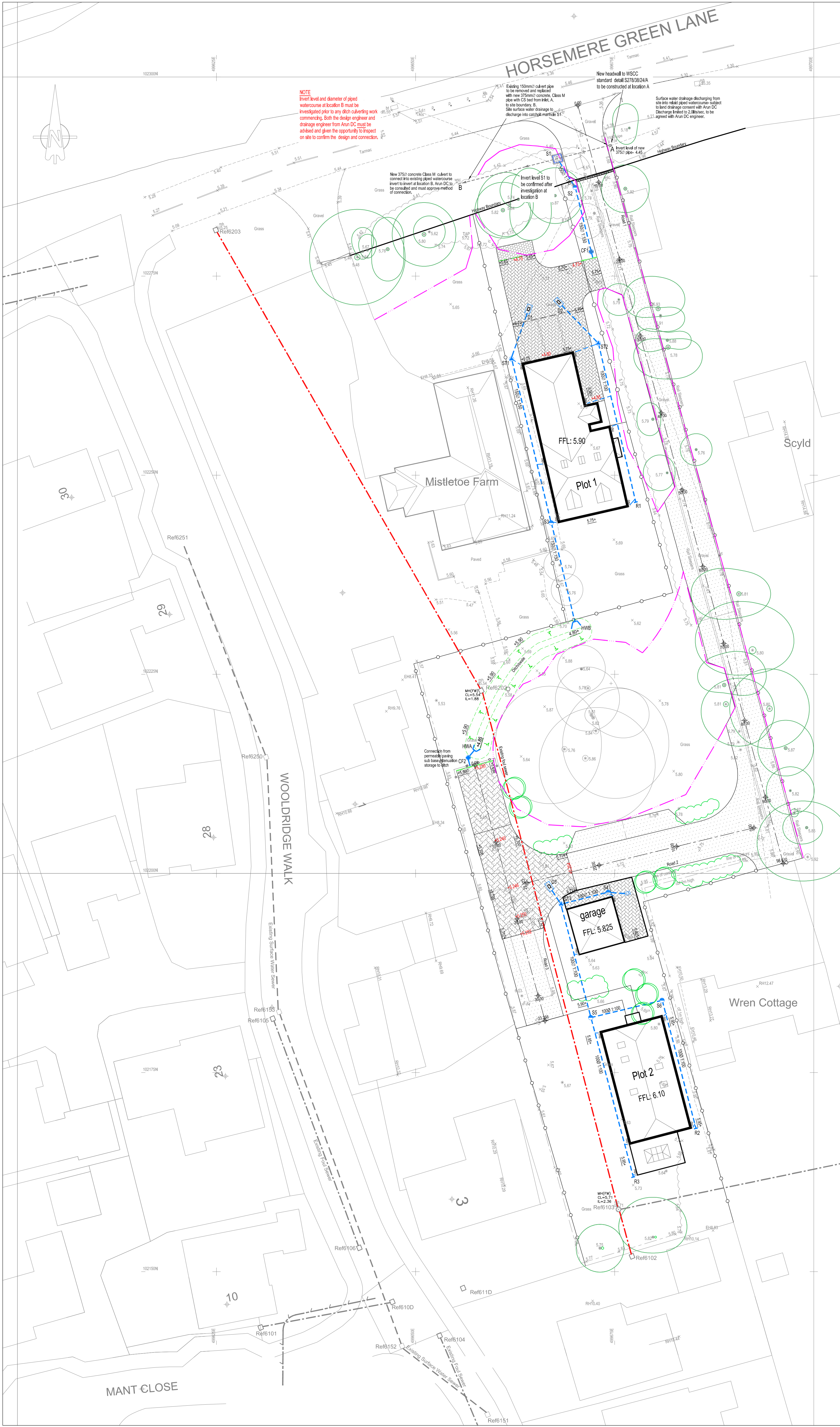




Notes:

1. All domestic drainage to be 100 $\phi$  U.N.O. Minimum gradient for 100 $\phi$  SW is 1:100 and 100 $\phi$  FW is 1:80 (at least one wc connected otherwise 1:40) and 150 $\phi$  is 1:150. Bedding for domestic drainage Class B. All pipe runs near buildings to comply with the Building Regulations 2002 Part H1.
2. The contractor must comply with all current legislation relating to Health and Safety. The contractor/client must familiarise himself with all service companies records of existing plant locations prior to any excavation works. All existing services/sewers to be traced/surveyed. Any discrepancies to be reported to the engineer immediately.
3. All concrete and concrete products to be in accordance with BRE 363 for sulphates.
4. Position of soil pipes, standing wastes, we outlets etc. are shown on the Architect's working drawings.
5. Rainwater downpipe positions are to be checked against architect details to ensure compatibility. Rainwater pipes that pass through the building to have suitable radding facilities.
6. Where paths falls towards the front door use suitable linear/slot drainage system. To be connected to surface water system.
7. Surface water drainage connected to catchpit manhole prior to discharge to sub grade attenuation.

Legend:

- Existing foul water sewer
- Domestic surface water drain.
- Type 3 manhole - 450 $\phi$
- Type 5 silt trap inspection chamber
- Type 6 catchpit manhole constructed on re-laid piped watercourse- subject to land drainage consent with Arun District Council
- Controflow flow control limiting discharge
- Yard gully
- Diffuser discharging to sub base attenuation
- Formpave findrain
- Proposed levels
- Proposed formation levels
- Proposed Finished Floor Level
- 525mm high knee rail fence
- Road Type 1 Permeable block paved access. Sub base designed to provide full attenuation storage for nil infiltration (porosity >0.40)
- Road Type 2 Permeable block paved parking and drive. Sub base designed to provide full attenuation storage for nil infiltration (porosity >0.40)
- Road Type 3 impermeable block paved parking and drive -Plot 2
- Road Type 4 permeable 'no dig' car park-Plot 1
- 30mm unbound gravel, 10-20mm stone, overlay to existing gravel drive.
- Drainage ditch/swale
- Protective tree fences (see Lizard Landscape, Design and Ecology drawing LLD1394-ARB-DWG-002 Rev 02 for details)

SURFACE WATER DRAINAGE SCHEDULE

| REFERENCE | Cover Level (m) | Invert Level (m) | Depth to Soffit (m) | Size (mm)                                                                     | Type | Cover Grade |
|-----------|-----------------|------------------|---------------------|-------------------------------------------------------------------------------|------|-------------|
| S1        | 5.85            | 4.42/4.64 (TBC)  | 0.855               | 1200x800                                                                      | 6    | D400        |
| S2        | 5.90            | 4.670            | 1.080               | 450 diameter                                                                  | 3    | B125        |
| S3        | 5.75            | 5.116            | 0.484               | 450 diameter                                                                  | 3    | B125        |
| S4        | 5.825           | 5.370            | 0.305               | 450 diameter                                                                  | 3    | B125        |
| S5        | 5.95            | 5.450            | 0.400               | 450 diameter                                                                  | 3    | B125        |
| S6        | 5.95            | 5.540            | 0.310               | 450 diameter                                                                  | 3    | B125        |
| ST1       | 5.75            | 4.970            | 0.630               | 450 diameter                                                                  | 5    | B125        |
| ST2       | 5.75            | 5.100            | 0.550               | 450 diameter                                                                  | 5    | B125        |
| ST3       | 5.70            | 5.300            | 0.300               | 450 diameter                                                                  | 5    | B125        |
| CF1       | 6.50            | 5.685/5.735      | 0.665               | SUDS02005 Controflow 500 Series Orifice - size 44mm, discharge 2.0litres/sec. |      |             |
| CF2       | 6.50            | 5.680/5.730      | 0.670               | SUDS01001 Controflow 300 Series Orifice - size 33mm, discharge 0.9litres/sec  |      |             |
| R1        | 5.75            | 5.300            | 0.350               |                                                                               | RE   | B125        |
| R2        | 5.95            | 5.620            | 0.230               |                                                                               | RE   | B125        |
| R3        | 5.95            | 5.650            | 0.200               |                                                                               | RE   | B125        |
| HWA       | 5.80            | 5.220            | 0.480               | Althon Type H3C- No trash screen                                              |      |             |
| HWB       | 5.80            | 5.200            | 0.500               | Althon Type H3C- With trash screen                                            |      |             |
| D1        | 5.75            | 5.300            | 0.350               | 710x710 SEL PVOD05101 diffuser                                                |      |             |
| D2        | 5.95            | 5.620            | 0.230               | 710x710 SEL PVOD05101 diffuser                                                |      |             |
| D3        | 5.95            | 5.650            | 0.200               | 710x710 SEL PVOD05101 diffuser                                                |      |             |

|      |          |                                                       |          |
|------|----------|-------------------------------------------------------|----------|
| D    | 24.11.20 | Additional notes added to culverted watercourse       | KN       |
| C    | 24.11.20 | Proposed new culvert added, discharge details amended | KN       |
| B    | 01.11.20 | Discharge details amended                             | KN       |
| A    | 21.10.20 | First issue                                           | KN       |
| Rev. | Date     | Details                                               | Initials |

Drawing Status  
**PRELIMINARY**

Project  
**MISTLETOE FARM  
LITTLEHAMPTON**

Client  
**JAMIE ORTON**

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|                                                                 |                       |                 |                  |               |
|-----------------------------------------------------------------|-----------------------|-----------------|------------------|---------------|
| Drawing Title<br><b>Engineering Details<br/>Drainage Layout</b> |                       |                 |                  |               |
| Drawn<br>KN                                                     | Checked               | Scales<br>1:250 | Paper Size<br>A1 | Date<br>10.20 |
| Job No.<br>KNC1820                                              | Drawing No.<br>502-01 | Revision<br>D   |                  |               |