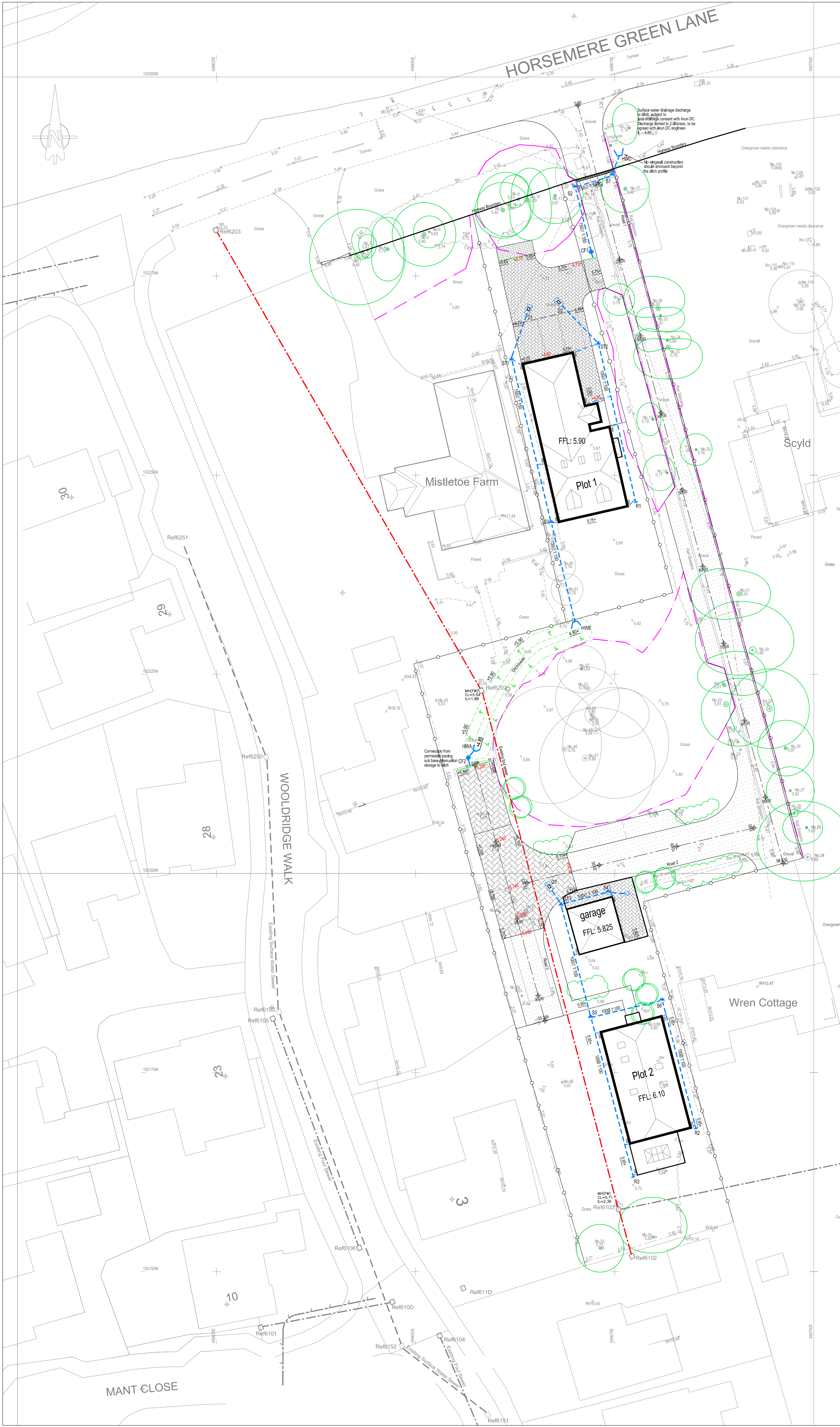




- Notes:
1. All domestic drainage to be 100ø U.N.O. Minimum gradient for 100ø SW is 1:100, and 100ø FW is 1:80 (at least one wc connected otherwise 1:40) and 150ø is 1:150. Bedding for domestic drainage Class B. All pipe runs near buildings to comply with the Building Regulations 2002 Part H1.
 2. The 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, wc 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 - 450Ø
 - Type 5 silt trap inspection chamber
 - Controflow flow control limiting discharge
 - Yard gully
 - Diffuser discharging to sub base attenuation
 - Headwall - see schedule
 - 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	5.800	4.630	1.02	450 diameter	3	B125
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		
CF2	6.50	5.680/5.730	0.670	SUDS01001 Controflow 300 Series Orifice - size 33mm		
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	Althor Type H3C- No trash screen		
HWB	5.80	5.200	0.500	Althor Type H3C- With trash screen		
HWC	6.00	4.600	1.250	Brick headwall Type 1		
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		

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 Engineering Details Drainage Layout				
Drawn KN	Checked	Scales 1:250	Paper Size A1	Date 10.20
Job No. KNC1820	Drawing No. 502-01		Revision B	