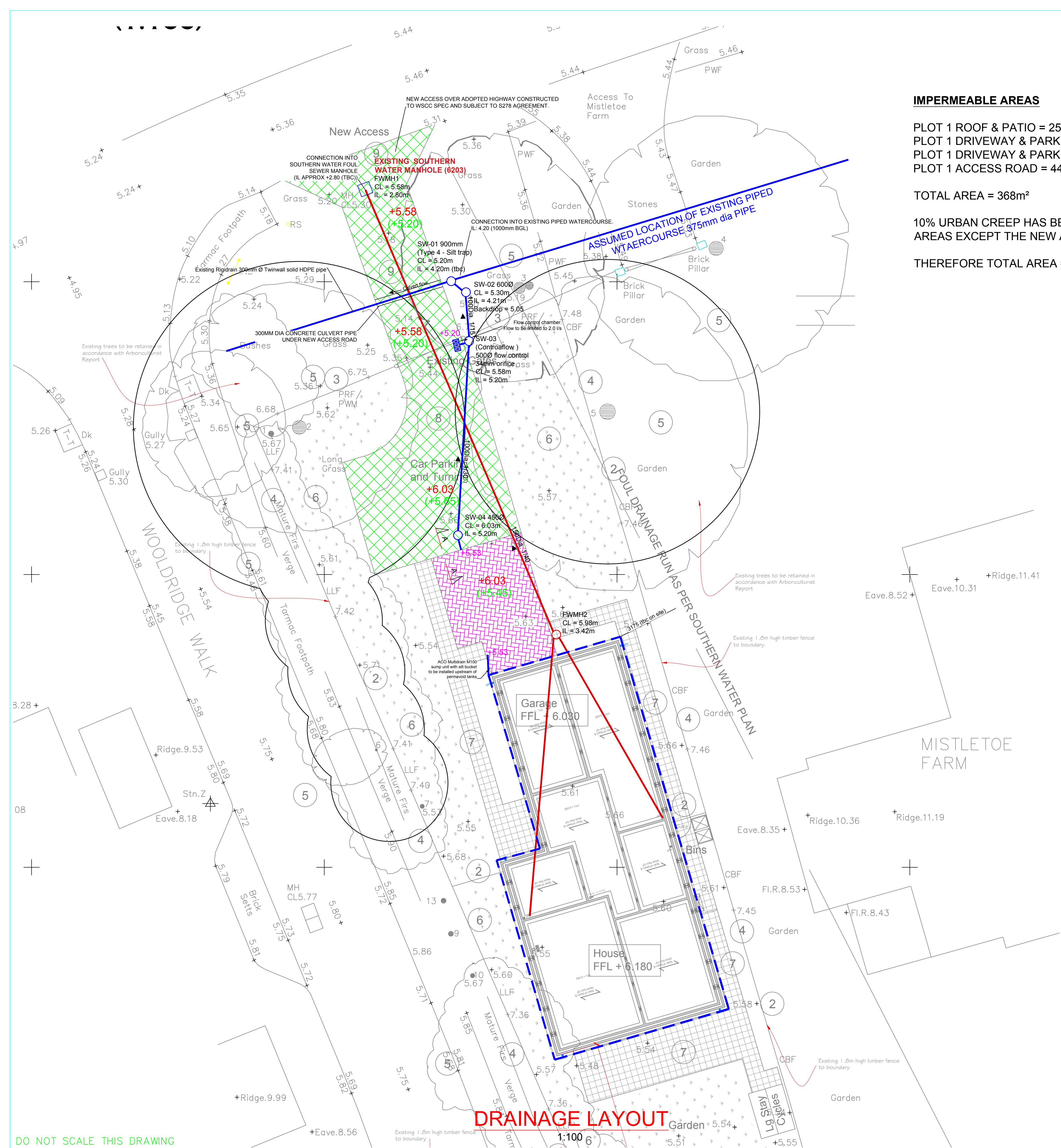




IMPERMEABLE AREAS

PLOT 1 ROOF & PATIO = 254m² + (INC 10% URBAN CREEP)
PLOT 1 DRIVEWAY & PARKING (PERMAVOID) = 33m² (INC 10% URBAN CREEP)
PLOT 1 DRIVEWAY & PARKING (WITHIN RPA) = 69m² (INC 10% URBAN CREEP)
PLOT 1 ACCESS ROAD = 44m²

TOTAL AREA = 368m²

10% URBAN CREEP HAS BEEN APPLIED TO ALL IMPERMEABLE AREAS EXCEPT THE NEW ACCESS ROAD.

THEREFORE TOTAL AREA = 400m²

1. This drawing is to be read in conjunction with all relevant Engineers and Architects drawings, and the Specification.
2. All dimensions are in millimetres unless noted otherwise. All levels are in Metres Above an arbitrary datum and not to Ordnance Datum.
3. In accordance with CDM 2015 the Contractor is to:
-Notify HSE of works.
-Comply with the requirements of Health and Safety Plan(if applicable)
-Provide risk assessments and method statements for all potential hazards relevant to this project.
4. The main contractor shall be responsible for the setting out and accuracy of all dimensions. He shall satisfy himself that the information given is correct and any discrepancies should be noted to the Engineer immediately.
5. DO NOT SCALE. If discrepancy or query arises on dimensions consult Engineer.
6. The Contractor is responsible for specifying product and codes and ordering of drainage materials.
7. All drainage to be installed to BS5955 Pt6 and in strict accordance with the manufacturers instructions.
8. Cover grades and gully gratings are in accordance with BS497 P1
Cover Grades - D400 - carriageways.
B125 - carriageways for slow traffic.
A15 - inaccessible to vehicles
9. Sewer runs and manholes to be adopted are to be in accordance with Sewers for Adoption, 7th Edition.
10. Any drainage laid less than 600mm below FGL to be covered with minimum 150mm Gen 3 grade concrete to half diameter.
11. Provide 100x100 PCC lintel max span 650mm where svp exit the building.
12. ACO channels installed and bedded to manufacturers requirements.
13. Exact location of Southern Water Foul sewer to be determined on site.

KEY

- Permeable access road / driveway with 200mm Thick Cell web above existing ground level
- 400mm deep Permavoid Sub-base replacement system underneath Permeable Parking area
- Surface water drainage pipes
- Surface water silt trap IC
- Foul Sewer
- 600mm dia foul IC
- ACO MULTIDRAIN M100D 10.0 CONSTANT DEPTH (OR SIMILAR APPROVED) DRAINAGE CHANNEL LAID WITH NO FALL (OR TO FOLLOW GROUND LEVELS ADJACENT TO THE BUILDING) AND INCORPORATING A SUMP UNIT WITH SILT BUCKET AT EACH OUTLET
- DIFFUSER UNIT
- Tree Root Protection Area (TBC by arboraculturalist)

+5.53 Pipe invert level into Permavoid
+6.03 Cover level / (formation level)
(+5.45)

JAN 2022	TB	Updates following Arun DC engineer comments	QA'D	Chk'd	Ref	1
Date	By	Revision				

Status **PRELIMINARY**



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Client **MERLIN HOMES**

Project **LAND ADJ MISTLETOE FARM CLIMPING**

Title **DRAINAGE LAYOUT**

Date	NOV 2021	Scale	AS SHOWN @ A1	Drg. No.	
Drawn	TB	Chk'd	EG	QA'D	435358-201P

ALL WORKS WITHIN TREE ROOT PROTECTION AREAS MUST BE IN ACCORDANCE WITH THE ABORICULTURAL METHOD STATEMENT AND SUBJECT TO APPROVAL BY THE ABORACULTURALIST.

DO NOT SCALE THIS DRAWING