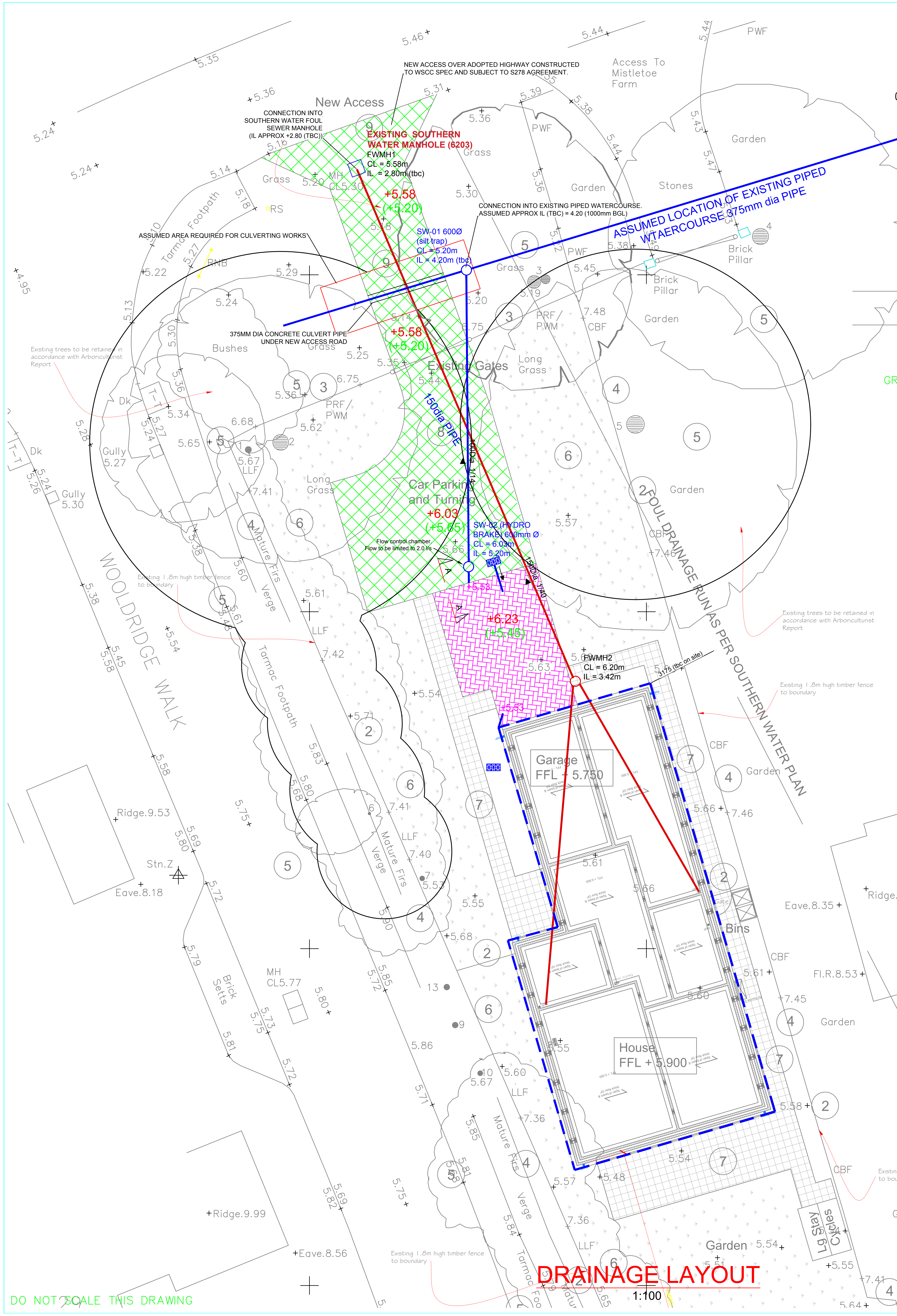
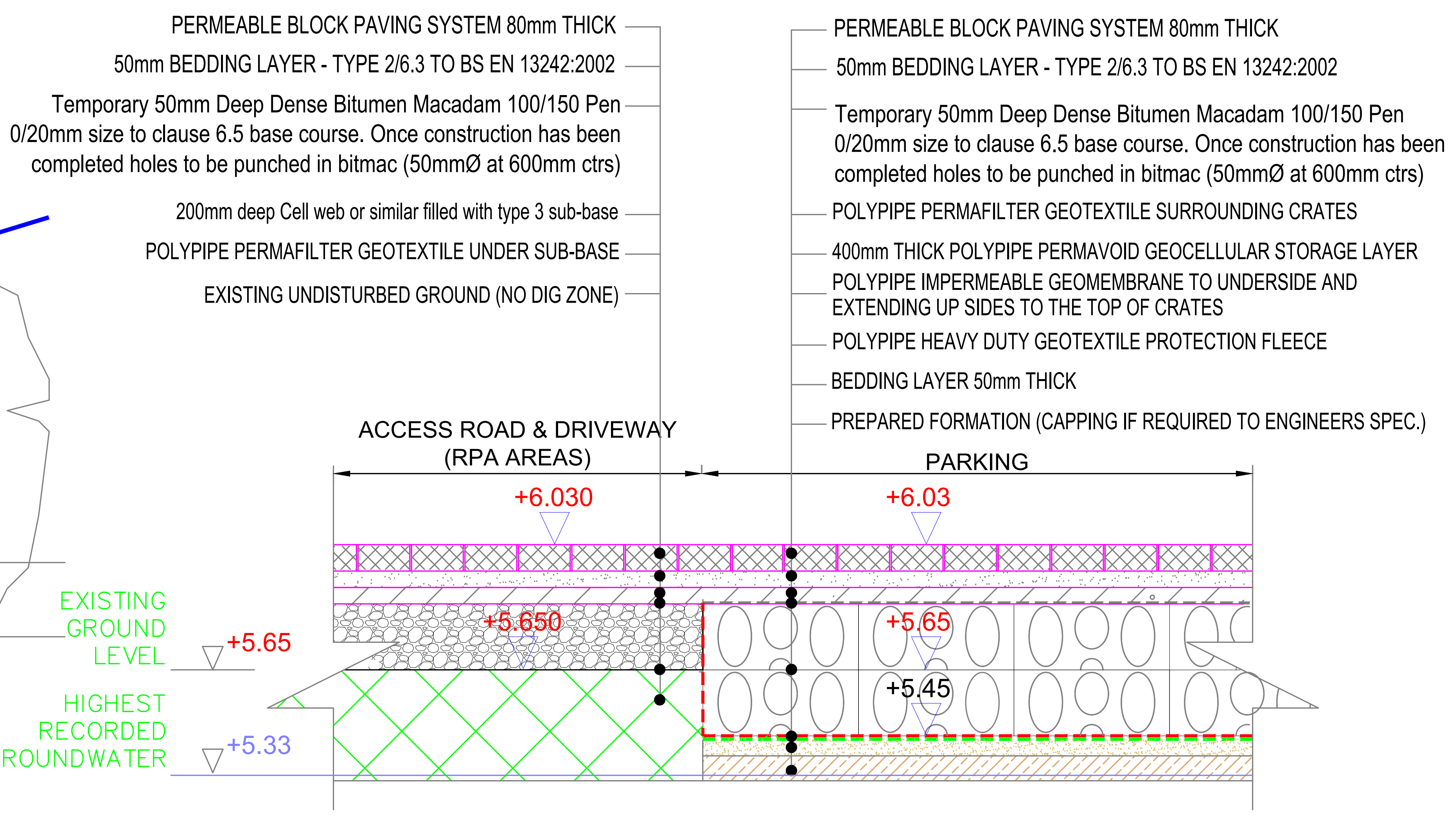

NEW ACCESS OVER ADOPTED HIGHWAY CONSTRUCTED TO WSCC SPEC AND SUBJECT TO S278 AGREEMENT.
Access To Mistletoe Farm
New Access
CONNECTION INTO SOUTHERN WATER FOUL SEWER MANHOLE (IL APPROX +2.80 (TBC))
EXISTING SOUTHERN WATER MANHOLE (6203)
FWMH1
CL = 5.58m
IL = 2.80m (tbc)
+5.58
(+5.20)
CONNECTION INTO EXISTING PIPED WATERCOURSE. ASSUMED APPROX IL (TBC) = 4.20 (1000mm BGL)
ASSUMED LOCATION OF EXISTING PIPED WTAERCOURSE 375mm dia PIPE
ASSUMED AREA REQUIRED FOR CULVERTING WORKS
SW-01 600Ø
(silt trap)
CL = 5.20m
IL = 4.20m (tbc)
375MM DIA CONCRETE CULVERT PIPE UNDER NEW ACCESS ROAD
Existing Gates
150dia PIPE
100Dia. 1/14
Car Parking and Turning
+6.03
(+5.65)
Flow control chamber. Flow to be limited to 2.0 l/s
SW-02 (HYDRO BRAKE) 600mm Ø
CL = 6.03m
IL = 5.20m
150Dia. 1/40
+5.53
+6.23
(+5.45)
A
FWMH2
CL = 6.20m
IL = 3.42m
3175 (tbc on site)
FOUL DRAINAGE RUN AS PER SOUTHERN WATER PLAN
Garage
FFL + 5.750
House
FFL + 5.900
Bins
Lg Stay Cycles
WOOLDRIDGE WALK
Tarmac Footpath
Mature Firs
Verge
Garden
Grass
Long Grass
Bushes
Brick Pillar
Stones
Existing trees to be retained in accordance with Arboriculturist Report
Existing 1.8m high timber fence to boundary
MH CL5.77
Brick Setts
Gully 5.27
Gully 5.30
Stn.Z
Ridge.9.53
Eave.8.18
Ridge.9.99
+Eave.8.56
DO NOT SCALE THIS DRAWING

DRAINAGE LAYOUT

1:100


PERMEABLE BLOCK PAVING SYSTEM 80mm THICK
50mm BEDDING LAYER - TYPE 2/6.3 TO BS EN 13242:2002
Temporary 50mm Deep Dense Bitumen Macadam 100/150 Pen 0/20mm size to clause 6.5 base course. Once construction has been completed holes to be punched in bitmac (50mmØ at 600mm ctrs)
200mm deep Cell web or similar filled with type 3 sub-base
POLYPIPE PERMAFILTER GEOTEXTILE UNDER SUB-BASE
EXISTING UNDISTURBED GROUND (NO DIG ZONE)
PERMEABLE BLOCK PAVING SYSTEM 80mm THICK
50mm BEDDING LAYER - TYPE 2/6.3 TO BS EN 13242:2002
Temporary 50mm Deep Dense Bitumen Macadam 100/150 Pen 0/20mm size to clause 6.5 base course. Once construction has been completed holes to be punched in bitmac (50mmØ at 600mm ctrs)
POLYPIPE PERMAFILTER GEOTEXTILE SURROUNDING CRATES
400mm THICK POLYPIPE PERMAVOID GEOCELLULAR STORAGE LAYER
POLYPIPE IMPERMEABLE GEOMEMBRANE TO UNDERSIDE AND EXTENDING UP SIDES TO THE TOP OF CRATES
POLYPIPE HEAVY DUTY GEOTEXTILE PROTECTION FLEECE
BEDDING LAYER 50mm THICK
PREPARED FORMATION (CAPPING IF REQUIRED TO ENGINEERS SPEC.)
ACCESS ROAD & DRIVEWAY (RPA AREAS)
PARKING
+6.030
+6.03
+5.650
+5.65
+5.45
EXISTING GROUND LEVEL
+5.65
HIGHEST RECORDED GROUNDWATER
+5.33

(SECTION A-A) - SECTION THROUGH JUNCTION BETWEEN PERMEABLE ACCESS ROAD / DRIVEWAY AREAS (WITHIN RPA) AND PERMEABLE DRIVEWAY WITH PERMAVOID SUB-BASE REPLACEMENT ATTENUATION SYSTEM

SCALE 1: 15

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 accessments 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 gulley gratings are in accordance with BS497 Pt 1
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 acces 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 (+5.45)	Cover level / (formation level)

IMPERMEABLE AREAS

PLOT 1 ROOF & PATIO = 231m²
PLOT 1 DRIVEWAY & PARKING = 93m²
PLOT 1 ACCESS ROAD = 44m²
(ACCESS ROAD & DRIVEWAY WITHIN RPA = 105m²)

TOTAL AREA = 368m²

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

THEREFORE TOTAL AREA = 400m²

MISTLETOE FARM

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

Date	By	Revision	QA'D	Chk'd	Ref

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	435358-201F

ARUN DISTRICT COUNCIL CM/72/21/DOC