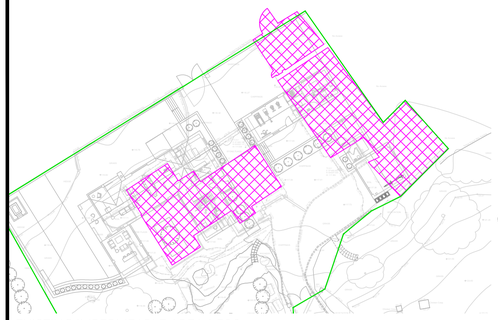
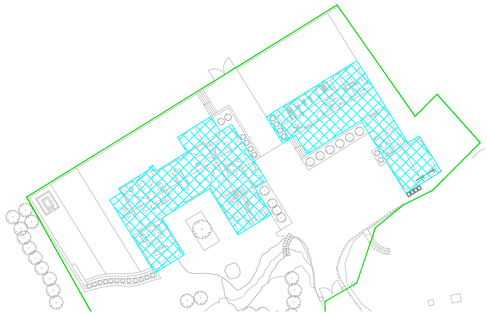
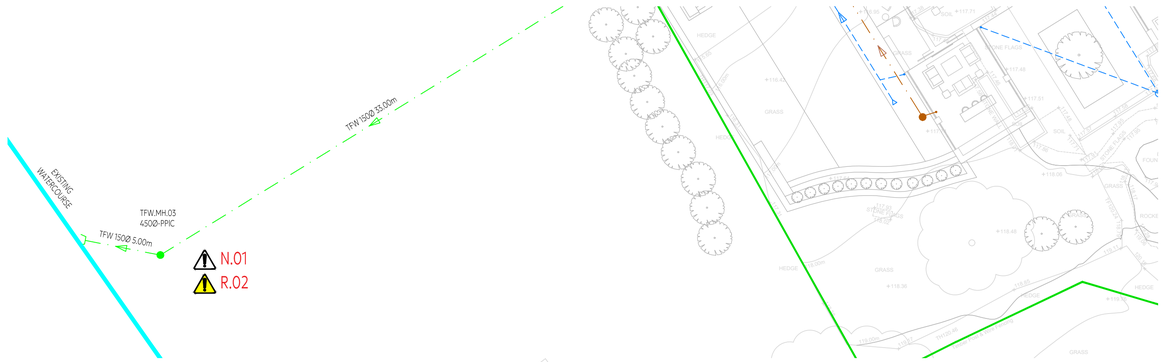


EXISTING IMPERMEABLE AREA 1:500



PROPOSED IMPERMEABLE AREA 1:500



PROPOSED OUTFALL ROUTING 1:200

AREA	TOTAL AREA m^2 (ha)
EXISTING IMPERMEABLE	559m^2 (0.056ha)
PROPOSED PERMEABLE	510m^2 (0.051ha)

*TOTALS FOR HECTARES (ha) AND METERS SQUARED (m^2) DIFFER SLIGHTLY DUE TO ROUNDING AND ACCUMULATION OF INDIVIDUAL AREAS.
**10% URBAN CREEP INCREASE HAS BEEN APPLIED TO THE IMPERMEABLE AREA IN THE CALCULATIONS

GREENFIELD RUNOFF RATES

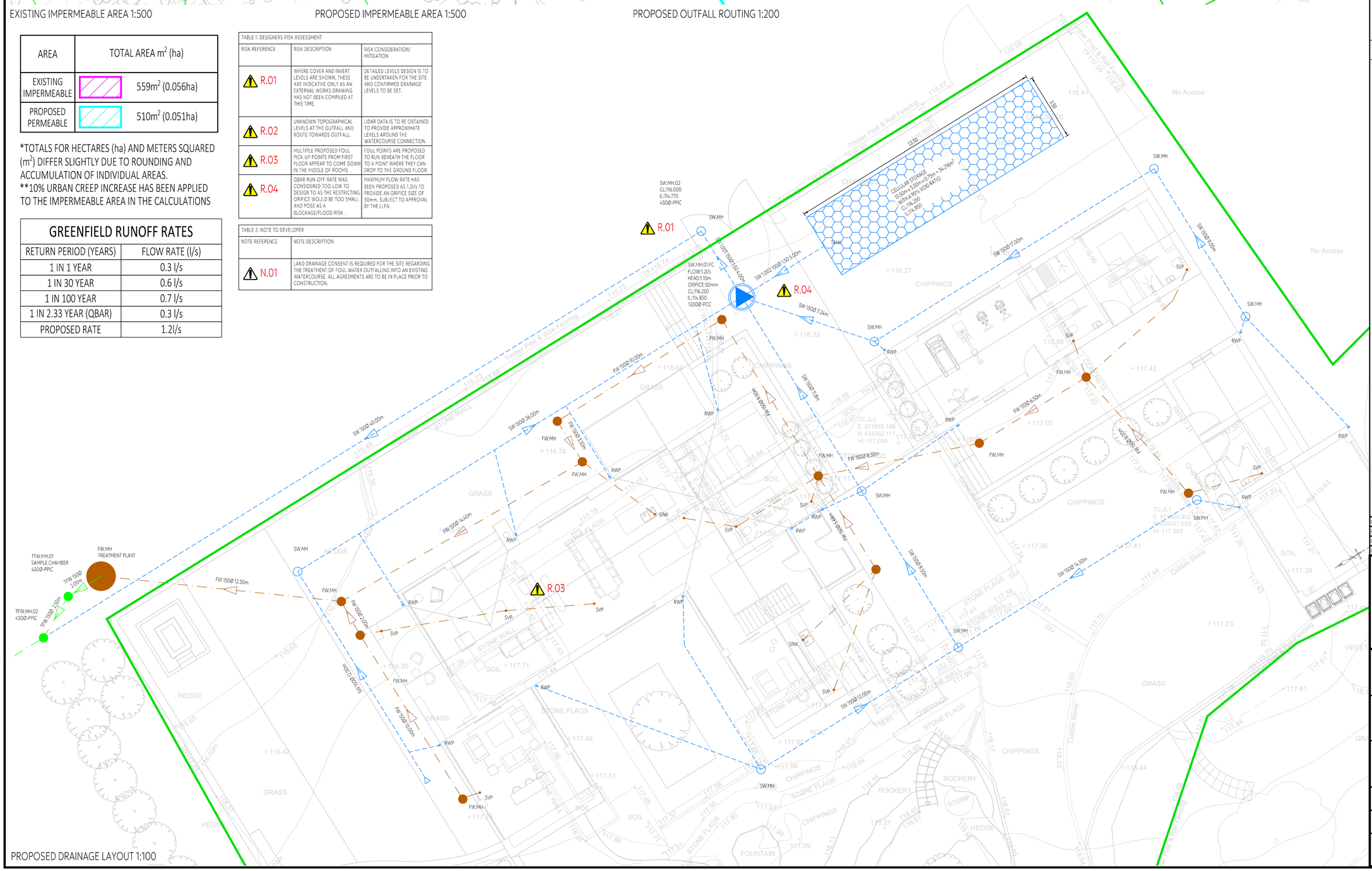
RETURN PERIOD (YEARS)	FLOW RATE (l/s)
1 IN 1 YEAR	0.3 l/s
1 IN 30 YEAR	0.6 l/s
1 IN 100 YEAR	0.7 l/s
1 IN 2.33 YEAR (QBAR)	0.3 l/s
PROPOSED RATE	1.2l/s

TABLE 1: DESIGNERS RISK ASSESSMENT

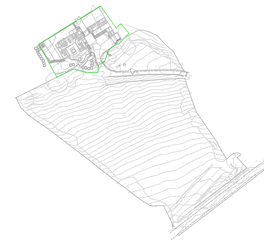
RISK REFERENCE	RISK DESCRIPTION	RISK CONSIDERATION/ MITIGATION
⚠ R.01	WHERE COVER AND INVERT LEVELS ARE SHOWN, THESE ARE INDICATIVE ONLY AS AN EXTERNAL WORKS DRAWING HAS NOT BEEN COMPILED AT THIS TIME.	DETAILED LEVELS DESIGN IS TO BE UNDERTAKEN FOR THE SITE AND CONFIRMED DRAINAGE LEVELS TO BE SET.
⚠ R.02	UNKNOWN TOPOGRAPHICAL LEVELS AT THE OUTFALL AND ROUTE TOWARDS OUTFALL.	LIDAR DATA IS TO BE OBTAINED TO PROVIDE APPROXIMATE LEVELS AROUND THE WATERCOURSE CONNECTION.
⚠ R.03	MULTIPLE PROPOSED FOUL PICK-UP POINTS FROM FIRST FLOOR APPEAR TO COME DOWN IN THE MIDDLE OF ROOMS .	FOUL POINTS ARE PROPOSED TO RUN BENEATH THE FLOOR TO A POINT WHERE THEY CAN DROP TO THE GROUND FLOOR.
⚠ R.04	QBAR RUN-OFF RATE WAS CONSIDERED TOO LOW TO DESIGN TO AS THE RESTRICTING ORIFICE WOULD BE TOO SMALL AND POSE AS A BLOCKAGE/FLOOD RISK .	MAXIMUM FLOW RATE HAS BEEN PROPOSED AS 1.2l/s TO PROVIDE AN ORIFICE SIZE OF 50mm. SUBJECT TO APPROVAL BY THE LLFA.

TABLE 2: NOTE TO DEVELOPER

NOTE REFERENCE	NOTE DESCRIPTION
⚠ N.01	LAND DRAINAGE CONSENT IS REQUIRED FOR THE SITE REGARDING THE TREATMENT OF FOUL WATER OUTFALLING INTO AN EXISTING WATERCOURSE. ALL AGREEMENTS ARE TO BE IN PLACE PRIOR TO CONSTRUCTION.



PROPOSED DRAINAGE LAYOUT 1:100



KEY PLAN - 1:5000

NOTES:

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KEY

- EXISTING WATERCOURSE
- PROPOSED SURFACE WATER SEWER
- PROPOSED SURFACE WATER FLOW CONTROL MANHOLE
- PROPOSED SURFACE WATER INSPECTION CHAMBER
- PROPOSED CELLULAR STORAGE
- PROPOSED FOUL WATER SEWER
- PROPOSED FOUL WATER TREATMENT PLANT
- PROPOSED FOUL WATER INSPECTION CHAMBER
- PROPOSED TREATED FOUL WATER SEWER
- PROPOSED TREATED FOUL WATER INSPECTION CHAMBER
- APPLICATION BOUNDARY

SITE LOCATION

OS X (EASTINGS)	371654
OS Y (NORTHINGS)	434553
NAT GRID	SD16345
POSTCODE	BB6 8FE

Rev.	Date	Remarks	Drawn	Chk'd
P03	17/09/26	TREATMENT PLANT MOVED AWAY FROM THE PROPOSED BUILDING.	IB	IB
P02	10/09/26	REVISED FOUL ROUTING FOLLOWING DISCUSSION WITH ARCHITECT.	AM	IB
P01	28/08/26	FIRST ISSUE.	AM	IB

PWA / GROUP

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Client: ZARA MOON ARCHITECTS

Project: ROSE HILL FARM

Title: DRAINAGE LAYOUT

Size	Scale	Designed	Checked	Date
A1	A.S.	AM	IB	AUG 26

Drawing Status: PRELIMINARY

Job Number	Originator	Zone	Level	Type	Role	Drawing No.	Rev
26111	PWA	00	XX	DR	C	1000	P03