

PROPOSED SOAKAWAY SCHEDULE					
REFS	DRAINED AREA(m2)	REQUIRED VOLUMES		PROVIDED VOLUMES	
		100 YEAR+40%(m3)	10 YEAR(m3)	PLAN SIZE(m)	VOLUME(95%)
SA1	85.50	8.36	3.80	8.0L X 2.0W X 0.8D	12.16
SA2	73.60	7.60	3.40	8.0L X 2.0W X 0.8D	12.16
SA3	89.10	8.36	3.80	7.0L X 2.5W X 0.8D	13.30
SA4	150.00	14.82	7.98	7.0L X 3.0W X 1.2D	23.94
SA5	151.50	14.82	7.98	7.0L X 3.0W X 1.2D	23.94
SA6	102.20	10.26	5.70	6.0L X 2.5W X 1.2D	17.10
SA7	314.00	15.20	3.80	11.0L X 2.5W X 0.8D	20.80
SA8	140.00	5.32	1.52	4.0L X 2.5W X 0.8D	7.60
SA9	184.00	6.08	2.28	5.0L X 2.5W X 0.8D	9.50
SA10	100.00	2.28	1.52	6.0L X 1.0W X 0.8D	4.56

PROPOSED CELLULAR SOAKAWAYS

DESIGN INFORMATION -
FEH RAINFALL DATA USED
100 YEAR EVENT + 40% CLIMATE CHANGE
10% URBAN CREEP ADDED
SAFETY FACTOR OF 2 USED
AS FOR HALF DRAIN TIME EXCEEDING 24
HOURS AN ADDITIONAL 10 YEAR EVENT HAS
BEEN ACCOMMODATED ON TOP

PROPOSED CELLULAR SOAKAWAY
BASE OF SOAKAWAY TO BE
SITUATED WITHIN CHALK LAYER
(GRADE Dm-Dc)

DEPTH TO CHALK
LAYER (GRADE
Dm-Dc) 1.80m
SOAKAGE RATE:
2.28x10-6m/sec

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SITUATED WITHIN CHALK LAYER
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(GRADE Dm-Dc)

DEPTH TO CHALK
LAYER (GRADE
Dm-Dc) 1.00m
SOAKAGE RATE:
8.58x10-7m/sec

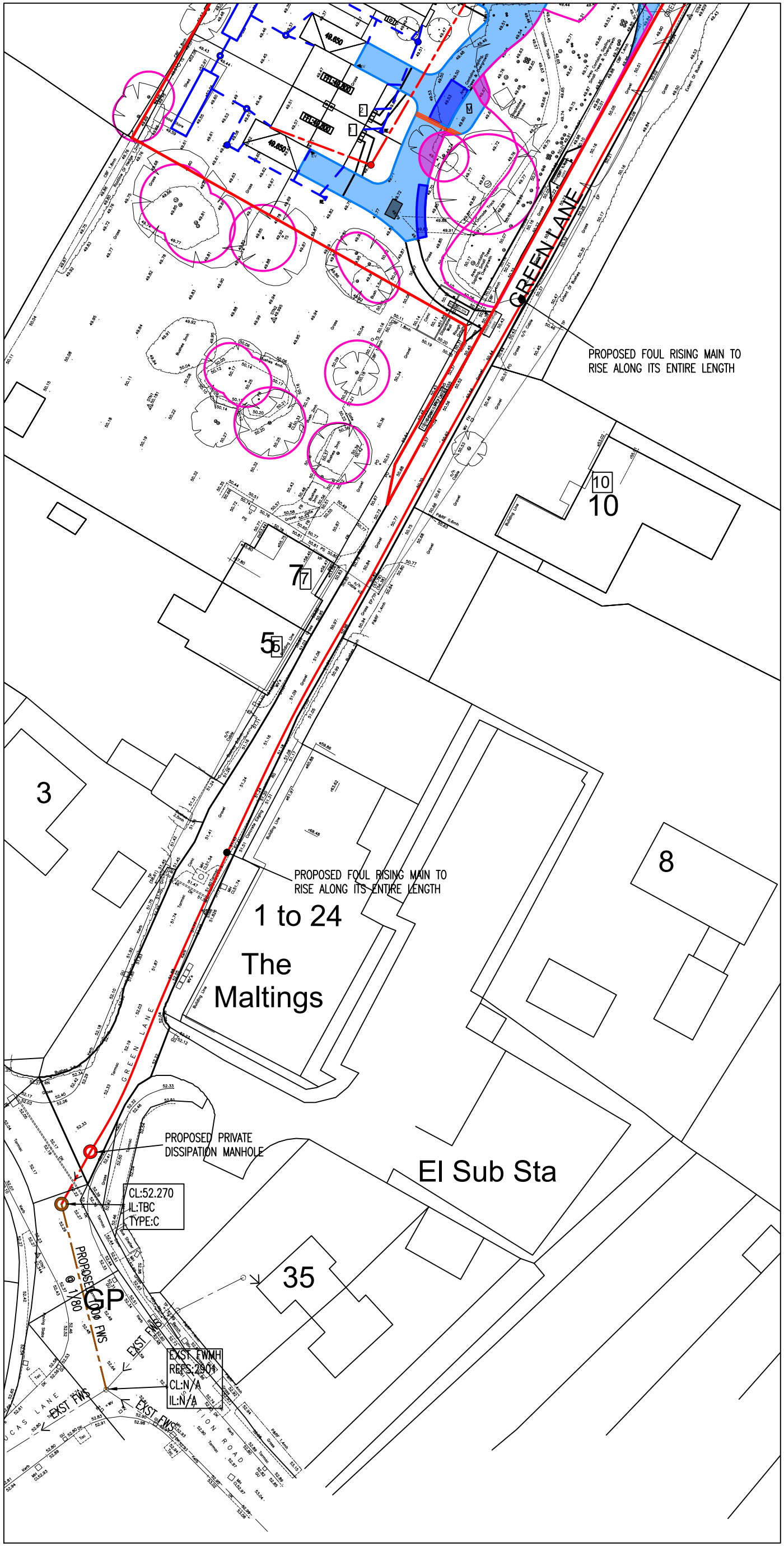
GREEN LANE

PROPOSED FOUL RISING MAIN TO
RISE ALONG ITS ENTIRE LENGTH

PROPOSED PRIVATE FOUL PACKAGE PUMP
UNIT, TO BE SIZED TO CONTAIN 24-HOUR
INFLOW TO ALLOW FOR DISRUPTION IN
SERVICE. THE MAXIMUM DAILY DISCHARGE
OF FOUL DRAINAGE SHOULD BE TAKEN AS
150 LITRES PER HEAD PER DAY FOR
DOMESTIC USE.

PROPOSED FOUL RISING MAIN TO
RISE ALONG ITS ENTIRE LENGTH

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RISE ALONG ITS ENTIRE LENGTH



NOTES

SSP NO. E21-011

LEGEND

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SITE DEVELOPMENT BOUNDARY

PROPOSED FOUL WATER DRAIN AND MANHOLE

PROPOSED SURFACE WATER DRAIN AND MANHOLE

PROPOSED S104 FOUL WATER SEWER

EXISTING FOUL WATER DRAINAGE TO REMAIN

SA1

PROPOSED CELLULAR SOAKAWAY
SITUATED WITHIN REAR GARDEN AREA

SA7

PROPOSED CELLULAR SOAKAWAY
SITUATED UNDERNEATH VEHICULAR AREA

POROUS CONSTRUCTION

NO-DIG ROAD CONSTRUCTION

RADIAL TREE ROOT PROTECTION ZONE

INDICATIVE ONLY

THIS DRAWING HAS BEEN PRODUCED
FOR PLANNING PURPOSES ONLY.
IT WILL BE NECESSARY TO MAKE
AMENDMENTS DURING DETAILED DESIGN.

0m

10m

20m

PLOT SCALE = 1:200

P4	04.11.24	SCALE BAR ADDED.	BH	NG
P3	23.09.24	SITE BOUNDARY REVISED.	NJ	—
P2	25.07.24	DRAWING TITLE REVISED.	NJ	—
P1	12.07.24	ISSUED FOR PLANNING.	NJ	—
REV	DATE	DESCRIPTION	BY	CHK

STATUS

PLANNING

This drawing is the property and copyright of the Consulting Engineer and shall not without
written consent be communicated to a third party.

CLIENT

OSPREY HOMES LTD

SITE

LAND AT GREEN LANE
ASHWELL

TITLE

Strategy Site Drainage Plan

SDP

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SCALE AT A1	DRAWN	DATE
1:200	NJ	JUL 24
CHECKED		PASSED
DRAWING NO.	REV.	
E21-011-1000	P4	