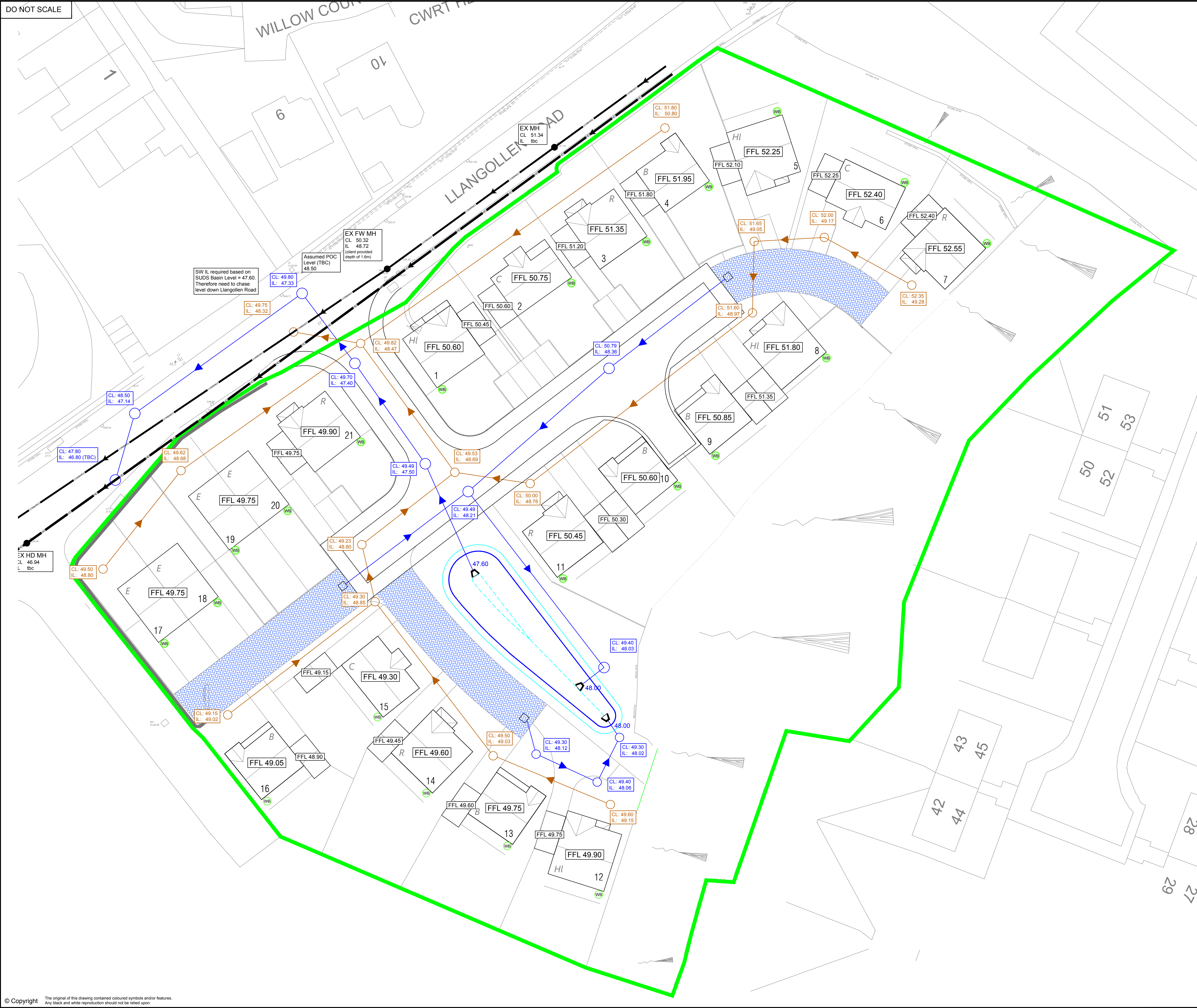


DO NOT SCALE



Legend

- Site Boundary
- Existing
 - Existing Combined Drain
 - Existing Highway Drain
- Proposed
 - Indicative Foul Sewer Route
 - Indicative Surface Water Route
 - Permeable Paving
 - Water Butt

Surface Water Flow Rates

Developable Site Area = 1.05ha

Existing Brownfield Run-off Rates

Based on 4000sq.m. existing impermeable area only car park (shown in red) is still being drained

1yr = 27.82 l/s (25.04 mm/hr rainfall)
30yr = 67.93 l/s (61.14 mm/hr rainfall)
100yr = 87.48 l/s (78.73 mm/hr rainfall)

Proposed Run-off Rates

(30% betterment on existing 1 year flow rate)

1yr = 5.8 l/s
30yr = 14.4 l/s
100yr = 11.7 l/s

Proposed impermeable areas = 3700sq.m.

100yr attenuation storage = approx 125cu.m (+40% climate change)

PRELIMINARY

B	27.05.21	Updated to suit revised Planning Layout	PW	AJ
A	14.03.21	Updated to suit revised Planning Layout	PJN	AJ
Rev.	Date	Revision	By	Appd.

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Client
GOWER HOMES

Project
**LLANGOLLEN ROAD
ACREFAIR, WREXHAM**

Title
Preliminary Drainage Strategy

DRAWING NUMBER	SCALE at A1	1:250
7652 / SK03	DATE	08.03.21
	DRAWN	PW
	CHECKED	AJ
	REVISION	B