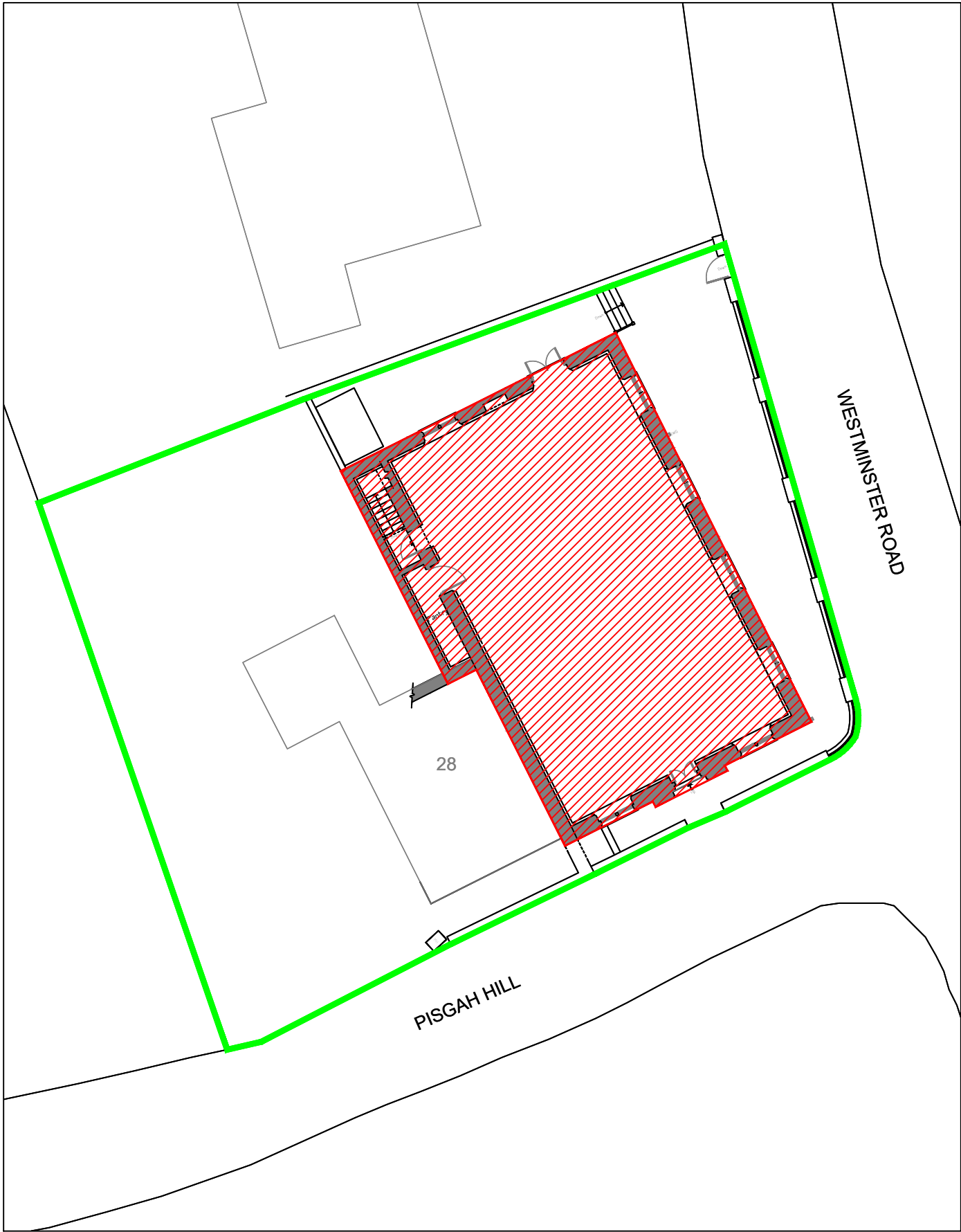
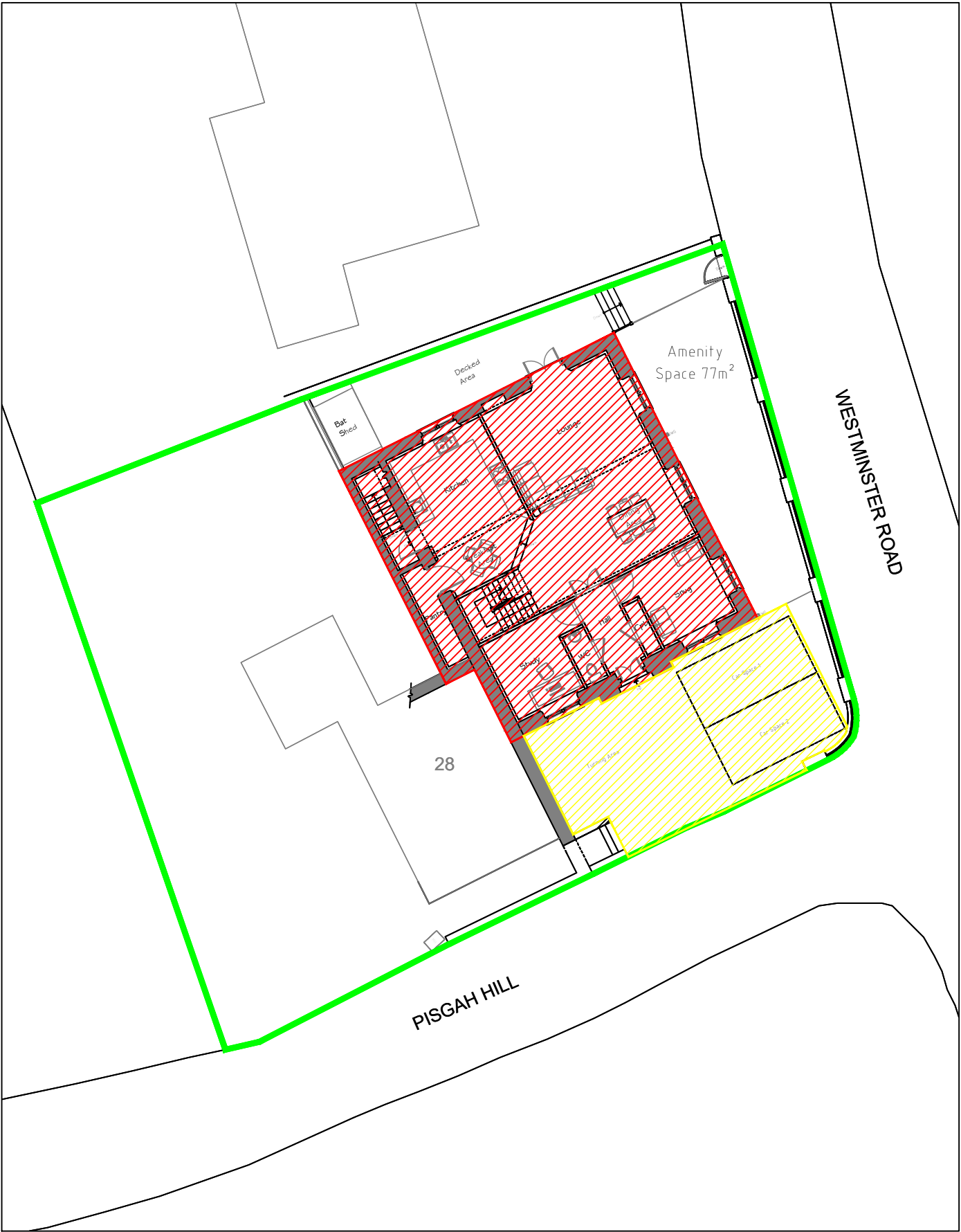


DO NOT SCALE



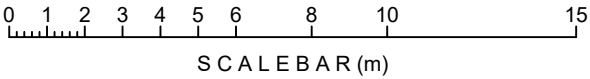
Existing Impermeable Area

 Roof 190 sq/mt



Proposed Impermeable Area

 Roof 140 sq/mt
 Hard Standing 65 sq/mt
Total 205 sq/mt



Surface Water Flow Rates

Developable Site Area = 205sq.m.

Existing Brownfield Run-off Rates
(Based on 190q.m. existing impermeable area)

1yr = 1.36 l/s (25.83 mm/hr rainfall)
30yr = 3.33 l/s (63.13 mm/hr rainfall)
100yr = 4.30 l/s (81.39 mm/hr rainfall)

Proposed Run-off Rates
(50% betterment on existing flow rates)

1yr = 0.68 l/s **Design Flow rate = 0.68 l/s**
30yr = 1.67 l/s
100yr = 2.15 l/s

Proposed impermeable areas = 205sq.m.

100yr attenuation storage = approx 12cu.m
(+50% climate change) (based on 0.68 l/s)

STRATEGY



Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU

Client
Blueprint Architectural Services

Project
Salem Chapel, Pentre Broughton,
Wrexham.

Title
Existing & Proposed SW Areas

DRAWING NUMBER	SCALE at A2		REVISION
	DATE	1:200	
8053 / SK01	DRAWN	PJN	-
	CHECKED	AJ	