



Sustainable Urban Drainage System Proposal

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# Centre Heights

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Swiss Cottage

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May 2015

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Project: Centre Heights

**Storm water runoff assessment – Levitt Bernstein Architects**

This statement has been developed in line with the relevant parts of the National Planning Policy Framework (NPPF) and Planning Practice Guidance. This statement complies with the DEFRA technical guidance '**Sustainable Drainage System – Non-statutory technical standards for sustainable drainage systems**', from March 2015 to which the planning guidance refers to and to Thames Water requirements.

The reviewed design for the disposal of rainwater from the proposed new developments, together with a like for like assessment of the existing premises has concluded that the area of hard standing and roof area has decreased by 163m<sup>2</sup>. The reviewed project is for a development that was previously developed. Surface water shall discharge from the site using the existing connection to the public sewer.

A 75 mm/hr design philosophy has been assumed for both the existing and proposed situations leading to a reduction in surface water runoff of 3.4 litres per second. The proposed development, in a 1 in 100 year storm plus an additional 30% for climate change, would yield a reduction of 13 litres per second over the current car park which is all imperviously paved.

The paved area to the centre of the mews has been taken to be permeable paving/landscaping and therefore not contributing to the surface water run-off.

Surface water flows and volumes arising from this development will not exceed those from the site prior to development.

Green roofs have been included within the scheme and will contribute a small amount of attenuation in periods of dry weather, although their use is not relied upon as part of this calculation.

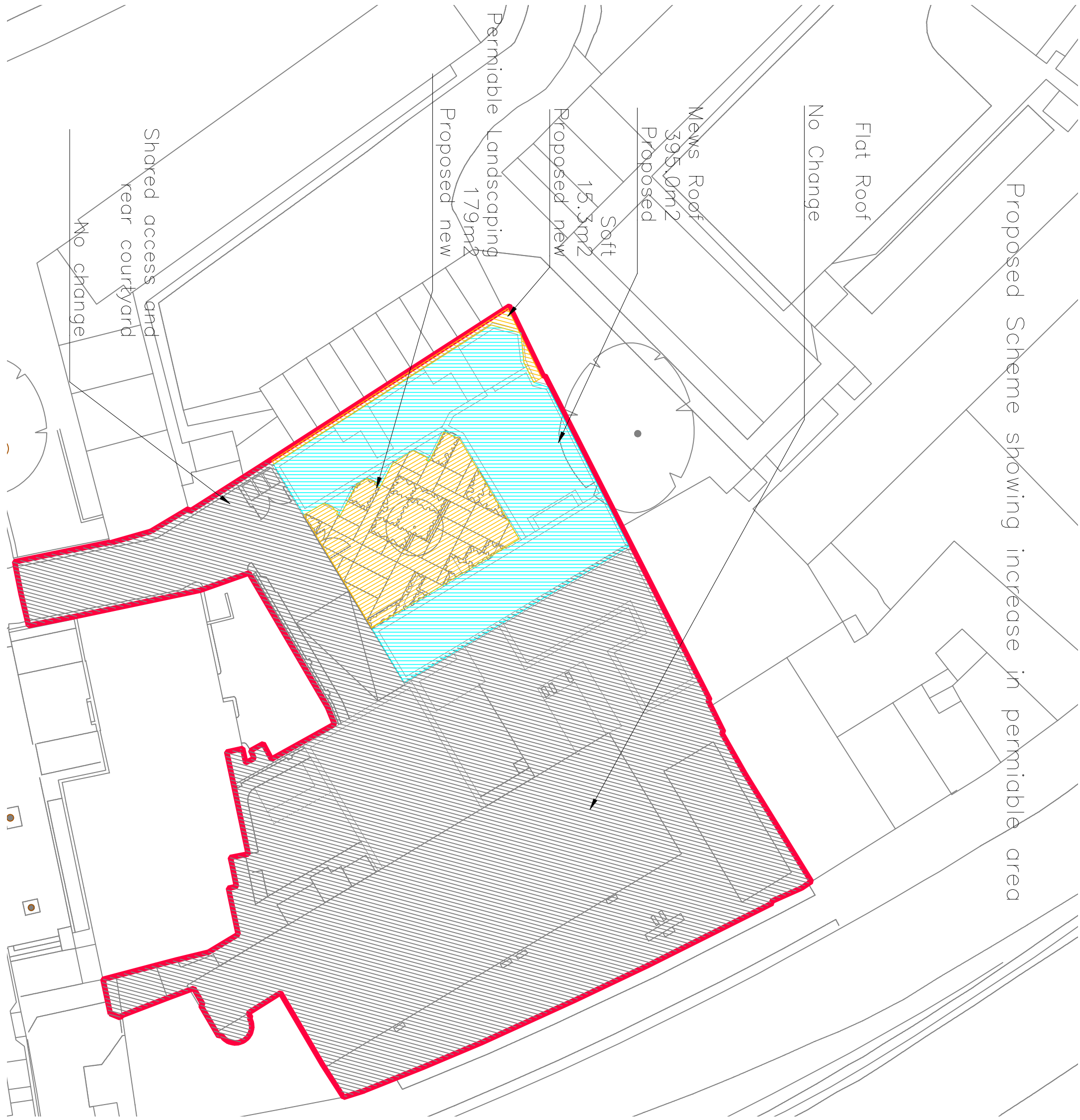
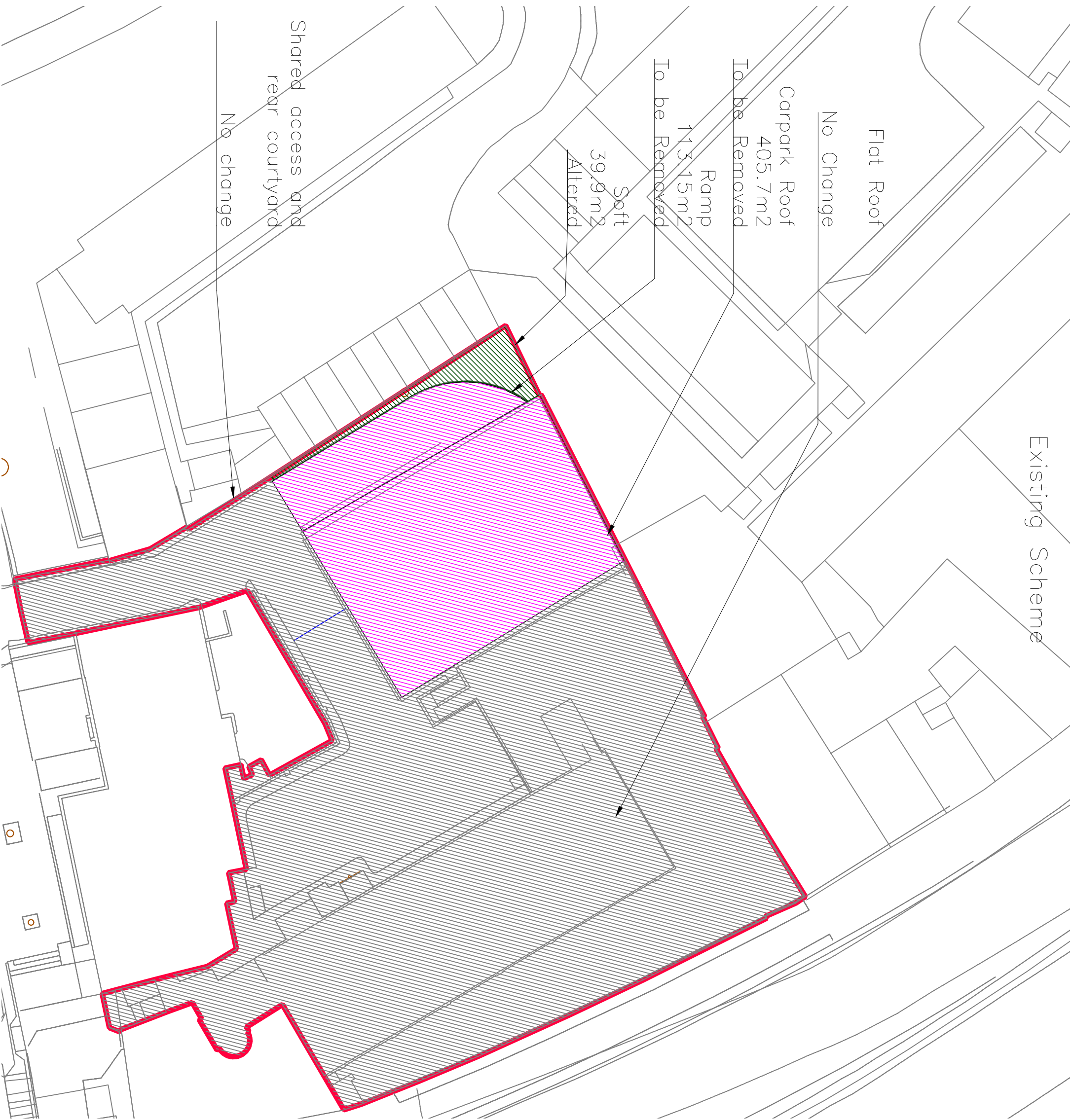
Douglas Vaughan MCIPHE



Notes

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PRELIM



A	Planning	WO'R May 15
P	Prelim	WO'R May 15
Rev.	Amendment	Initial   Date

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Client  
**Anaspel Ltd**

Project  
**Centre Heights**

Drawing Title  
**Site  
SUDS Existing  
& Proposed**

Scale(s)	+50@A1:NTS		
Drawn Date	22/04/14	Initial	WOR Approved JG

Dwg.	03460/MS/009	Rev.	A
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