REUBY & STAGG LTD.
CONSULTING CIVIL & STRUCTURAL ENGINEERS
Dewey House, 55 High Street, Ringwood, Hampshire BH24 1AE
Telephone: 01425 484400
Email: admin@reuby-stagg.co.uk

Date: 18-12-21
Reference: 10627-SUDS_R45

SUDS Review for No 1 Castle Yard, Richmond

The proposed development consists of constructing additional storeys onto an existing building. The roof footprint and drainage approach is completely unchanged as a result of the development, therefore there is no change to (or impact on) the surface water run-off. The development is to retain and utilise the existing undisturbed building foundations which have very little spare capacity for incorporating additional loads therefore only a small area of biodiverse roof is possible.

The external public space (Castle Mews) is currently an impervious concrete surface with multiple gulley's. The proposal is to resurface this area with Sett Pavers, therefore there is no change to (or impact on) the surface water run-off.

Where we are forming a new external staircase and an external bike store, these are provided with biodiverse roofs designed for at least 50% attenuation of the surface water run off at peak times (based on existing levels). This therefore does provide some improvement on the existing situation.

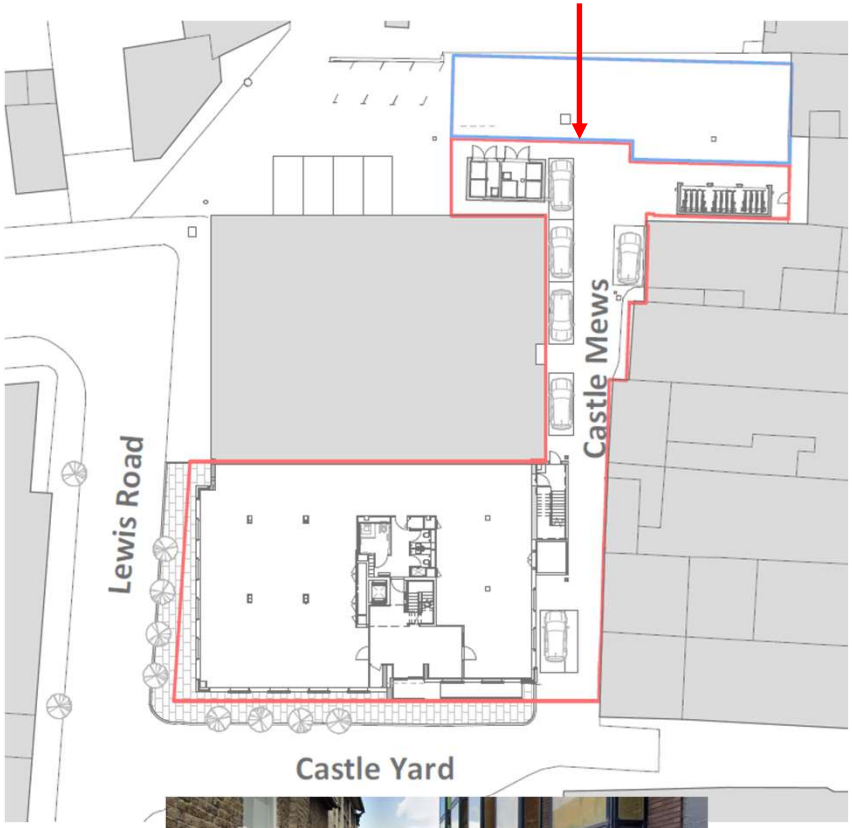
Kind Regards,

Rob Houlston

Project Manager for Reuby & Stagg Ltd (on behalf of Peveril Securities Ltd)

Site Definition

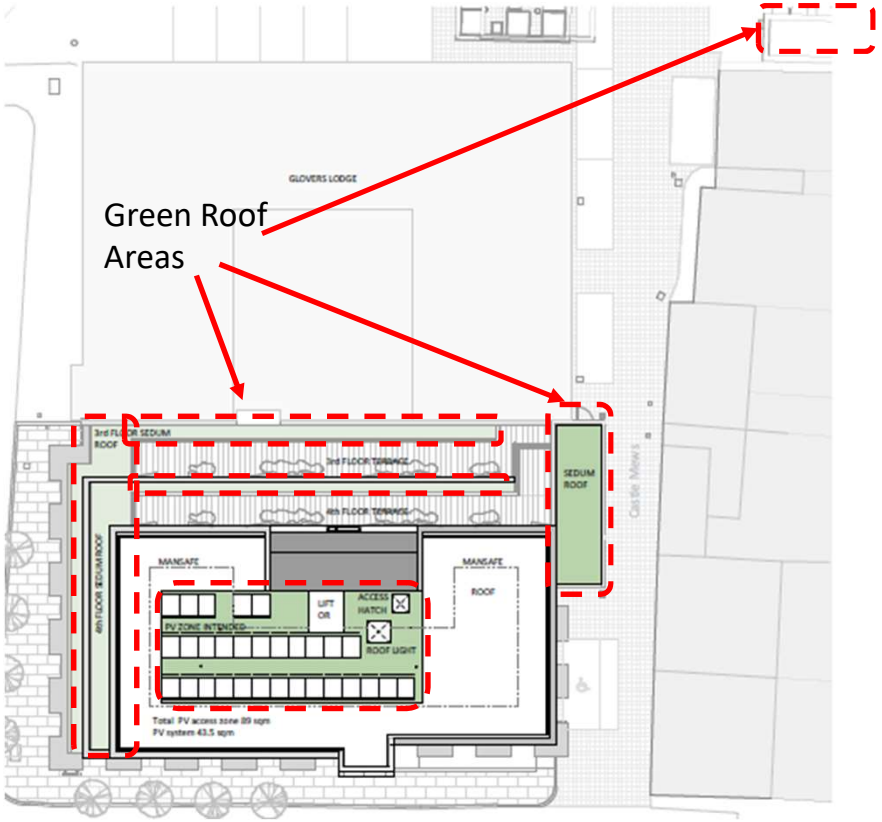
Red Line Indicates Scope of Application



Castle Mews Existing

Site Area = 1068 sqm

New Green Roof Area = approx. 50 sqm



(4) Concrete sett paving to Castle Mews

(5) Concrete sett paving to parking spaces

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Telephone: 01732 841812 Email: admin@reuby-stagg.co.uk

Project – Castle Yard
SUDS Scheme Review

25/08/2022

Proj: 10627
RevA

Sk01

Site Definition

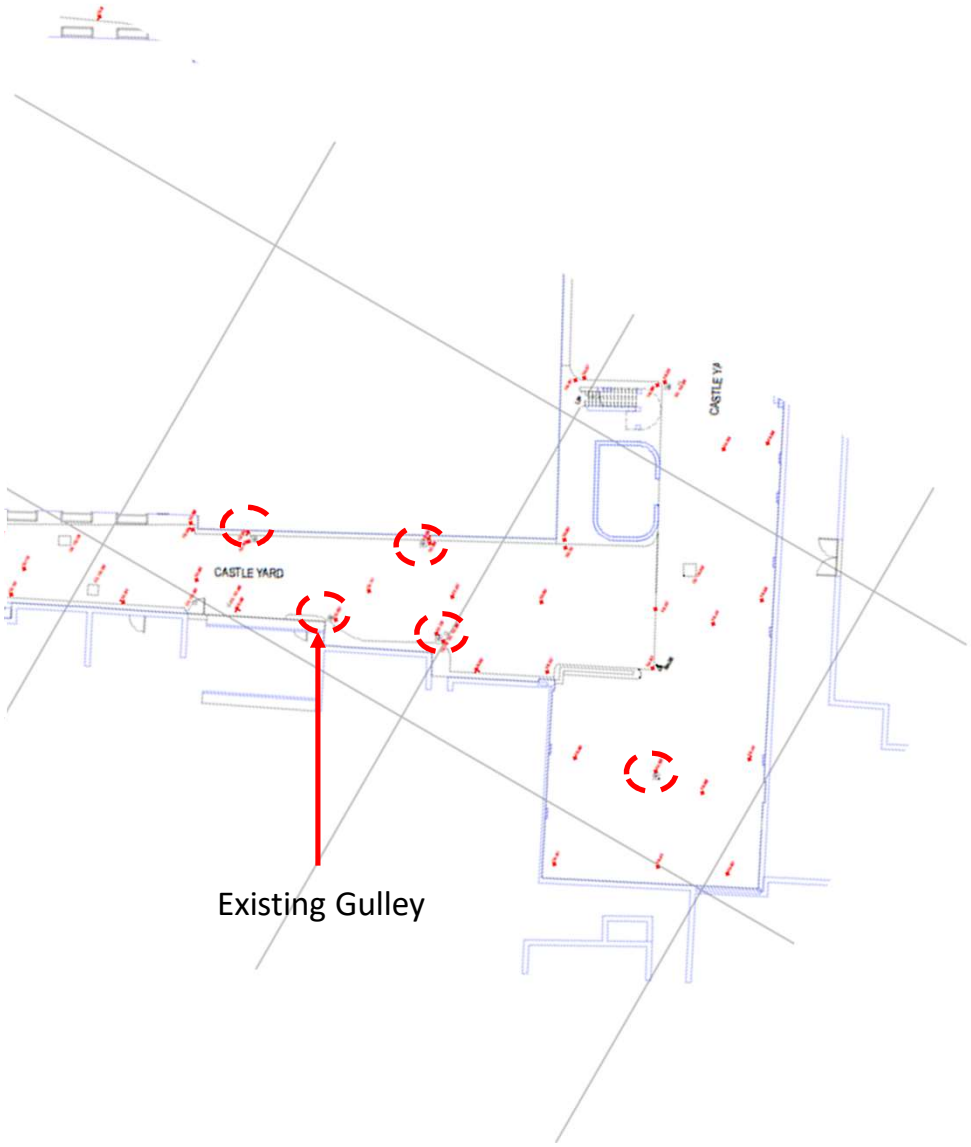
SUDS Statement

The proposed development consists of constructing additional storeys onto an existing building. The roof footprint and drainage approach is completely unchanged as a result of the development, therefore there is no change to (or impact on) the surface water run off.

The development is to retain and utilise the existing undisturbed building foundations which have no spare capacity for incorporating the additional weight of a biodiverse roof.

The external public space (Castle Mews) is currently an impervious concrete surface with multiple gulley's. The proposal is to resurface this area with Sett Pavers, therefore there is no change to (or impact on) the surface water run off.

Where we are forming an external staircase and external bin/bike stores, they are provided with biodiverse roofs designed for at least 50% attenuation of the surface water run off at peak times (based on existing levels). This therefore does provide some improvement on the existing situation.



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Project – Castle Yard
SUDS Scheme Review

25/08/2022

Proj: 10627
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Sk02