

Site and Assessment Verification Form

Site Details

Site Details	Application Information
Site Name	146 Castelnau
Planning application reference	
Address & Postcode	146 Castelnau, London, SW13 9ET
Brief Description of proposed Works	New basement development under the existing footprint of the property, including lightwells at rear and front.
Geology Type	Extract from BGS map viewer indicates that the property is underlain by Kempton Park Gravel with London Clay formation below.
Presence of Aquifer?	Extract from BGS map viewer indicates that the site is underlain by secondary aquifer.
Total Site area (Ha)	0.045713
Is the site currently known to be a risk of flooding from any sources?	The site lies within Flood zone 3, therefore it has high probability of flooding from river and the sea. The site lies in medium zone flood risk zone due to surface water. The site lies within high-risk zone of flooding due ground water flood.

Chartered Professional Verification

Professional Details	Application Information
Name	Concetta Cosenza
Professional/area of expertise	Structural Engineer
Chartered institution & membership level	Chartered Civil Engineer BEng, MSc, CEng, MICE
Brief description of assessment involvement	Engineer responsible for Structural Impact Assessment
Summary of the assessment results	<p>Croft Structural Engineers has reviewed the scope of the proposed basement development at 146 Castlenau SW13 9ET</p> <p>The Basement Impact Assessment (BIA) has been produced following the London Borough of Richmond <i>Good Practice Guide on Basement Developments (2015)</i>.</p>

	<p>The key elements of the report are:</p> <ul style="list-style-type: none">• Desk Study• Inspection of Site and Adjacent Site• Geology• Hydrology• Listed Buildings• Soil investigation report• Assessment of Ground Movements• Anticipated movements are expected to be 0-1 on the Burland Scale.• Engineering Design Work Completed by a Chartered Structural Engineer• Flood Risk, Drainage and SuDS to be completed by a Chartered Civil Engineer under separate cover.• Construction Sequence• Temporary works• Structural GA's and Sections <p>Should the proposal receive planning permission and, ultimately, progress to site, the client has been informed that the services of a chartered structural engineer must be retained for the duration of the project.</p>
Declaration of assessment results	Based on the findings of this assessment, we confirm that the proposed basement development is technically feasible and it can be designed to meet the required standards of safety, structural integrity, and environmental considerations.
Signature	