

Flood Risks

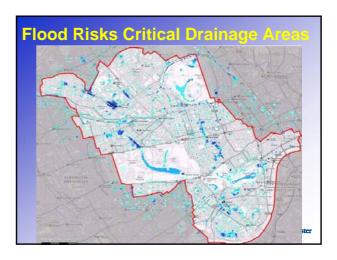
INFORMATION REQUIREMENTS

A site-specific Flood Risk Assessment required in a flood risk areas showing

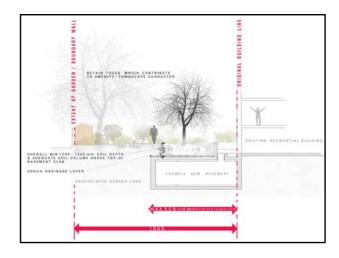
•the development will avoid increasing flood risk for the site and beyond where possible will reduce flood risk

•A structural methodology statement should include detailed site-specific analysis including analysis of the upper aquifer, where it exists and how the basement may impact on any groundwater flow.

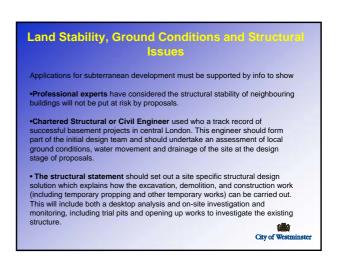
•Include details of how flood risk and surface water flooding has been addressed in the design and demonstrate how cumulative effects have been considered.



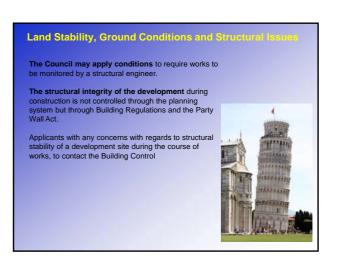
FLOOD RISK	SELF-CONTAINED BASEMENT DWELLING (or other highly vulnerable	BASEMENT EXTENSION TO EXISTING DWELLING (or new build	Flood Risk Assessment required
	use)	incorporating extension)	
FLOOD ZONE 3 (RAPID INUNDATION ZONE)	Not acceptable	May be acceptable but required to pass the Exception Test*	Yes
FLOOD ZONE 3 (outside tidal breach rapid inundation zone)	May be acceptable but required to pass the Exception Test*	May be acceptable but required to pass the Exception Test*	Yes
FLOOD ZONE 2	May be acceptable BUT required to pass the Exception Test.	May be acceptable but consider flood resistance and resilience measures	Yes
FLOOD ZONE 1 (rest of Westminster)	May be acceptable	May be acceptable	No, but flood risk and ground conditions as well as design to minimise flood risk should be addressed in SMS
CRITICAL FLOOD LOCATIONS	May be acceptable but consider flood resistance/ flood resilience	May be acceptable but consider flood resistance/ flood resilience	Yes
*The exception test (as set out in the National Planning Policy Framework), means that development may be acceptable if it can demonstrate wider sustainability benefits to the community and that it will be safe for its lifetime without increasing flood risk elsewhere.			



Land Stability, Ground Conditions and Structural ISSUES POLICY FRAMEWORK The National Planning Policy Framework states planning should ensure that development is suitable for its site. It states that development should take into account ground conditions and land instability and that adequate site investigation information, prepared by a competent person should be provided to demonstrate these impacts have been understood.







Heritage Assets

Listed building consent will be required for basement excavations or extensions to existing basements to listed buildings even where planning permission is not required.

The Council will consider

•the desirability of preserving listed buildings, their settings and any features of special architectural or historic interest.

 have regard to the impact on the significance of the building including any original or important features and fabric, structural integrity, plan form and hierarchy of spaces.

•Structural integrity of the listed building or buildings immediately adjacent to a listed building. Significant structural intervention which may be required as part of basement construction, which could adversely affect historic fabric. The most straightforward structural method may not be appropriate and you should seek the advice of specialised conservation engineers for alternative methods.

City of Westminster

Heritage Assets

INFORMATION REQUIREMENTS

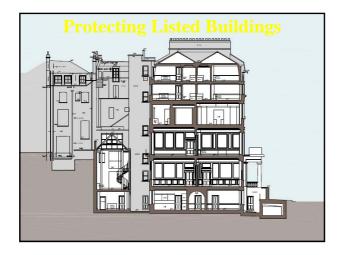
An assessment of the significance of the affected heritage asset should be submitted with an application including any contribution made by their setting. T

This should outline the potential impact of the proposal on the significance heritage asset to inform the City Council's own assessment of any conflicts between the proposal and the conservation of the heritage asset.

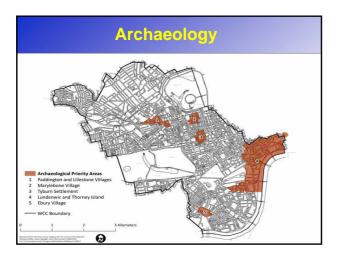
Detailed plans should be provided which identify the extent of any demolition proposed and clearly identify all features of interest and confirm their retention.

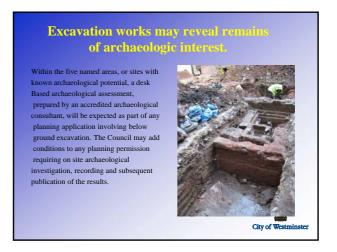
The Structural Methodology Statement and Construction Management Plan should consider the impact on historic fabric and how any delicate fabric or features

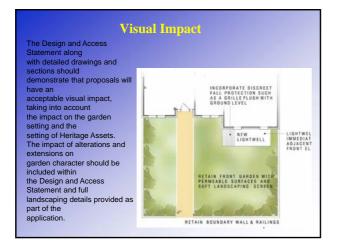
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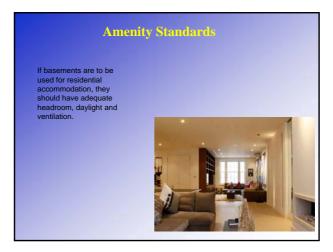












Construction Management Plans

A Construction Management Plan is required as part of planning application submission and should provide the following details (where appropriate):

(i) a construction programme including a 24 hour emergency contact number;

(ii) parking of vehicles of site operatives and visitors (including measures taken to ensure satisfactory access and movement for existing occupiers of neighbouring properties during construction);

(iii) locations for loading/unloading and storage of plant and materials used in

(iv) erection and maintenance of security hoardings (including decorative displays and facilities for public viewing, where appropriate); (v) wheel washing facilities and measures to control the emission of dust and dirt during construction;

(vi) a scheme for recycling/disposing of waste resulting from excavation demolition and construction City of Wes

Development Under the Highway/Vault

Some properties in Westminster have front vaults, which may extend under the pavement. Basement development works can involve the extension of these areas.

- Utilities and servicescables, pipes and sewers.

Minimum vertical depth below the footway or carriageway of 900mm and the extent of the new or extended basement area does not encroach more than about 1.8m under any part of the adjacent highway. This zone also allows for essential street furniture (e.g. signage, lighting etc.) to be located in the highway where





Construction Methodology Consid

A. A thorough desk study to include the site history, age of the property, site survey, geology, historic river courses and underground infrastructure, including utilities services, drains and tunnels. This should also identify other basement developments in the area, so that cumulative effects can be considered

B An appraisal of the existing structure including drawings to show the arrangement of the existing structures.

C A site investigation with trial pits to show the existing foundations and the material they are founded on, for all walls which may be impacted by the proposals. If groundwater is present, the levels should be monitored for a period

Construction Methodology Considerat

- D. Details of the engineering design to show the following:
- ground conditions and groundwater
 existing trees and infrastructure
 drainage

- vertical and horizontal loading
- structural engineering general arrangement and details; drawing showing underpinning, piled wall etc.
- E. An analysis of the Upper Aquifer (when it exists) and how the basement may impact on any groundwater flow

Construction Methodology Require

- F. Details of flood risk, surface water flooding, critical drainage areas explaining how these are addressed in the design. If the basement is in Flood Zone 3, a full flood risk assessment should be carried out.
- G. An assessment of movements expected and how these will affect adjoining or adjacent properties. This needs to include both short term and long term effects. The design and construction should aim to limit damage to all buildings to a maximum of Category 2 as set out in CIRIA Report 580.
- H. Details of sequences of construction and temporary propping to demonstrate how the basement can be built to prevent movements excethose predicted.



Draft Subterranean Development Po

A new policy to cover basement development to residential buildings or buildings originally built for residential purposes.



Draft Subterranean Development Policy

- 1.Minimum of 1.2m soil depth satisfactory landscaping, permeable surfacing.
- 2.Maximum Garden Coverage no than 50% or 4m (whichever is the larger) of garden land. No loss of trees of townscape, ecological or amenity value;
- 3.Maximum of one subterranean storey below the lowest original floor level, unless exceptional circumstances have been demonstrated:
- 4. Naturally ventilated and lit wherever practicable, especially where habitable accommodation is being provided;
- 5.No adverse visual impact on the existing building, garden setting or the surrounding area, ensuring lightwells, plant, vents, skylights and means of escape are sensitively designed and discreetly sited; and
- 6. Must protect heritage assets including significant archaeological deposits and, in the case of listed buildings, not unbalance the buildings' original hierarchy of spaces, where this contributes to significance.

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Draft Subterranean Development Po

Applicants will be required to demonstrate that basement development will

- safeguard structural stability
- •not increase flood risk on the site or beyond.

All applications will be accompanied by a

- •Structural methodology statement and appropriate self-certification.
- •Construction management plan demonstrating adherence to the Council's Code of Construction Practice will also be required.

Non-residential development adjoining residential properties and new build residential incorporating basements will also be subject to the criteria set out above where there is potential for similar impact on those adjoining properties.







