

DP27. Basements and lightwells

27.1 The Core Strategy policy CS14 outlines our overall strategy to promoting high quality places. It seeks to secure development of the highest standard of design which respects local context and character. Policy DP27 helps to deliver this by setting out our detailed approach to basements and lightwells. With a shortage of development land and high land values in the borough, the development of basements is becoming increasingly popular as a way of gaining additional space in homes without having to relocate to larger premises. Basements are often also included in developments in the Central London part of Camden and used for various purposes including commercial, retail and leisure uses, servicing and storage.

DP POLICY

DP27 – Basements and lightwells

In determining proposals for basement and other underground development, the Council will require an assessment of the scheme's impact on drainage, flooding, groundwater conditions and structural stability, where appropriate. The Council will only permit basement and other underground development that does not cause harm to the built and natural environment and local amenity and does not result in flooding or ground instability. We will require developers to demonstrate by methodologies appropriate to the site that schemes:

- a) maintain the structural stability of the building and neighbouring properties;
- b) avoid adversely affecting drainage and run-off or causing other damage to the water environment;
- c) avoid cumulative impacts upon structural stability or the water environment in the local area;

and we will consider whether schemes:

- d) harm the amenity of neighbours;

- e) lead to the loss of open space or trees of townscape or amenity value;
- f) provide satisfactory landscaping, including adequate soil depth;
- g) harm the appearance or setting of the property or the established character of the surrounding area; and
- h) protect important archaeological remains.

The Council will not permit basement schemes which include habitable rooms and other sensitive uses in areas prone to flooding.

In determining applications for lightwells, the Council will consider whether:

- i) the architectural character of the building is protected;
- j) the character and appearance of the surrounding area is harmed; and
- k) the development results in the loss of more than 50% of the front garden or amenity area.

27.2 Although basement developments can help to make efficient use of the borough's limited land it is important that this is done in a way that does not cause harm to the amenity of neighbours, affect the stability of buildings, cause drainage or flooding problems, or damage the character of areas or the natural environment.

27.3 For larger schemes, where a basement development extends beyond the footprint of the original building or is deeper than one full storey below ground level (approximately 3 metres in depth) the Council will require evidence, including geotechnical, structural engineering and hydrological investigations and modelling, from applicants to ensure that basement developments do not harm the built and natural environment or local amenity. The level of information required will be commensurate with the scale and location of the scheme. These larger schemes will be expected to provide evidence against each of the considerations (a) to (h) in policy DP27. Smaller schemes will

be expected to submit information which relates to any specific concerns for that particular scheme or location (e.g. any history of flooding at the site or in the vicinity of the site, the presence of underground watercourses, proximity to water bodies such as the ponds on Hampstead Heath, structural instability of the developed or of neighbouring properties, or unstable land). The Council will assess whether any predicted damage to neighbouring properties from the development is acceptable or can be satisfactorily ameliorated by the developer. Applicants should contact the Council's Duty Planning Service about the level of information that should be provided for a particular scheme. Where hydrological and structural reports are required, they should be carried out by independent professionals (e.g. Chartered Structural Engineers). As there is potential for the effects of a basement development on the water environment, subsoil etc to extend beyond the site itself and its neighbouring properties, such reports should also consider the potential wider impacts of basement schemes.

- 27.4 Many potential impacts to the amenity of adjoining neighbours are limited by underground development. However, the demolition and construction phases of a development can have an impact on amenity and this is a particular issue for basements. The Council will seek to minimise the disruption caused by basement development and may require Construction Management Plans to be submitted with applications. Please see our Camden Planning Guidance supplementary document for further information on Construction Management Plans.
- 27.5 When considering applications for basement extensions, Building Control will need to be satisfied that effective measures will be taken during excavation, demolition and construction works to ensure that structural damage is not caused to the subject building. (Demolition is only a planning consideration for listed buildings and buildings which make a positive contribution to conservation areas.)
- 27.6 Government Planning Policy Statement (PPS) 25 – *Development and Flood Risk* states that inappropriate development should be avoided in areas at risk of flooding and categorises basement dwellings as “highly vulnerable” to flooding. The Council will not allow habitable rooms and other sensitive uses for self contained basement flats and other underground structures in areas at risk of flooding. No parts of the borough are currently identified by the Environment Agency as being prone to flooding from waterways although some areas are subject to localised surface water flooding, as identified in the North London Strategic Flood Risk Assessment. Please see Core Strategy policy CS13 – *Tackling climate change and promoting higher environmental standards* and DP23 – *Water* for more on the location of these areas and our approach to flooding. The Council will require the submission of a development-specific flood risk assessment with applications for basements on streets identified as being at flood risk or in an area where historic underground watercourses are known to have been present, in line with the criteria set out in PPS25, unless it can be demonstrated that the scale of the scheme is such that there is no, or minimal, impact on drainage conditions (see our Camden Planning Guidance supplementary document for further information).



- 27.7 Some parts of Camden contain unusual and unstable subsoils, along with many underground streams and watercourses, making drainage and structural safety key concerns (including around Hampstead Heath). In such areas, applications for basement developments may be required to show through hydrological modelling whether it will be possible through the inclusion of drainage systems to prevent any significant harm from changes to groundwater levels or flow.
- 27.8 The use of sustainable urban drainage systems (SUDS) will be encouraged in all basement developments that extend beyond the profile of the original building. For basements that consume more than 50% of the garden space, and are considered otherwise to be acceptable, the use of SUDS will be required to mitigate any harm to the water environment. Further guidance on sustainable urban drainage is contained in policy DP23 – *Water*.
- 27.9 A basement development that does not extend beyond the footprint of the original building and is no deeper than one full storey below ground level (approximately 3 metres in depth) is often the most appropriate way to extend a building below ground. Proposals for basements that take up the whole rear and/or front garden of a property are unlikely to be acceptable. Sufficient margins should be left between the site boundaries and any basement construction to sustain growth of vegetation and trees. Developments should provide an appropriate proportion of planted material above the structure to mitigate the reduction in the natural storm water infiltration capacity of the site and/or the loss of biodiversity caused by the development. This will usually take the form of a soft landscaping or detention pond on the top of the underground structure, which is designed to temporarily hold a set amount of water while slowly draining to another location. It will be expected that a minimum of 0.5 metres of soil be provided above the basement development, where this extends beyond the footprint of the building, to enable garden planting.
- 27.10 Consideration should also be given to the existence of trees on or adjacent to the site, including street trees, and the root protection zones needed by these trees. Where there are trees on or adjacent to the site, the Council will require an arboricultural report to be submitted as part of a planning application.
- 27.11 In the case of listed buildings, applicants will be required to consider whether basement and underground development preserves the existing fabric, structural integrity, layout, inter-relationships and hierarchy of spaces, and any features that are architecturally or historically important. Listed buildings form an intrinsic element of the character of conservation areas and therefore basement development which harms the special architectural and historic interest of a listed building is also likely to fail to preserve or enhance the character or appearance of the conservation area in which it is located. Further guidance on design and heritage is contained in policies DP24 – *Securing high quality design* and DP25 – *Conserving Camden’s heritage*.
- 27.12 The Council has produced a guidance note on its approach to basement development – *New Basement Development and Extensions to Existing Basement Accommodation Guidance* – which contains information on planning matters and other relevant regulations and requirements. Many other policies in Camden Development Policies and Camden’s Core Strategy are relevant to basement development and will be taken into account when assessing such schemes, for example Core Strategy policies CS13 – *Tackling climate change and promoting higher environmental standards*, CS14 – *Promoting high quality places and conserving our heritage* and CS15 – *Protecting and improving open spaces and encouraging biodiversity*, and Development Policies DP22 – *Promoting sustainable design and construction*, DP23 – *Water*, DP24 – *Securing high quality design* and DP25 – *Conserving Camden’s heritage*.

Key evidence and references

- North London Strategic Flood Risk Assessment, Mouchel; 2008
- Floods in Camden – Report of the Floods Scrutiny Panel; London Borough of Camden; June 2003
- Planning Policy Statement 9: Biodiversity and Geological Conservation
- Planning Policy Statement 25: Development and Flood Risk