

Green field Homes – Large
(10 or more homes)
Consultation Draft

**DRAFT Westmorland
and Furness Design
Code**

LUC

Consultation Draft Oct 2025

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Design Code for Greenfield Homes - Large (10 or more homes)

This section of the Design Code provides detailed code for residential development on greenfield sites of 10 or more homes.

The design code supports legacy local plan policies and national planning policy.

The design code supports the implementation of design policies in the three legacy Local Plans, in particular Barrow DS5, Eden DEV5 and South Lakeland CS1.1 & DM2. It also supports all other policies that relate to design in the legacy local plans, made neighbourhood plans (NP/NDP), and other development plan documents including:

- *Allithwaite and Cartmel NDP AC1
- *Grange-over-Sands NP10
- Haversham & Hincaster NP HH1
- **Lazonby NP D2 & D3
- Penrith NP 1
- Upper Eden NDP2 & 4
- Arnsdale & Silverdale DPD AS08

*Has a supporting Design Code or ** Design Guide.

Code is indicated by highlight boxes.

The text outside of the highlight boxes is supporting guidance.

After each code are the policy reference numbers of the relevant legacy local plan policies that the code supports. For policies in plain text, the code is a requirement. For policies in *italics* the code is guidance.

This design code also supports the policies, guidance and codes of made Neighbourhood Plans. The policy links between the code and Neighbourhood Plans are set out in the supporting document 'Neighbourhood Plan Policy Review'.

For other development types return to the home page.

1. Context

Introduction

1.1 The ‘What makes Westmorland and Furness’ section of this design code and the district’s ‘Key Aspects of Place’ show how the district is a rich mosaic of different landscapes, localities, places, and settlements.

1.2 The design of new homes must respond positively to the character of the district and locality if it is to be valued now and in the future. The starting point with any proposal for new homes is to fully consider the four steps to understanding context: character areas, surroundings, the site itself, and the historic environment.

Character Areas

- These are areas of common landscape or historic features. These are already identified, assessed and described in existing sources of information. The Cumbria Landscape Character Guidance and Toolkit provides further information.

Surroundings

- This is the local area surrounding a site - comprising the spaces, buildings, landscape, townscape, views and features that are specific to the surroundings of the application site. The extent of the surroundings depends on how large the site is and where it sits in the landscape and townscape. This will vary on a case-by-case basis, depending on how far-reaching the potential interactions between the proposed development and the landscape may be. The applicant must build up their own understanding of the surroundings with the help of this design code.

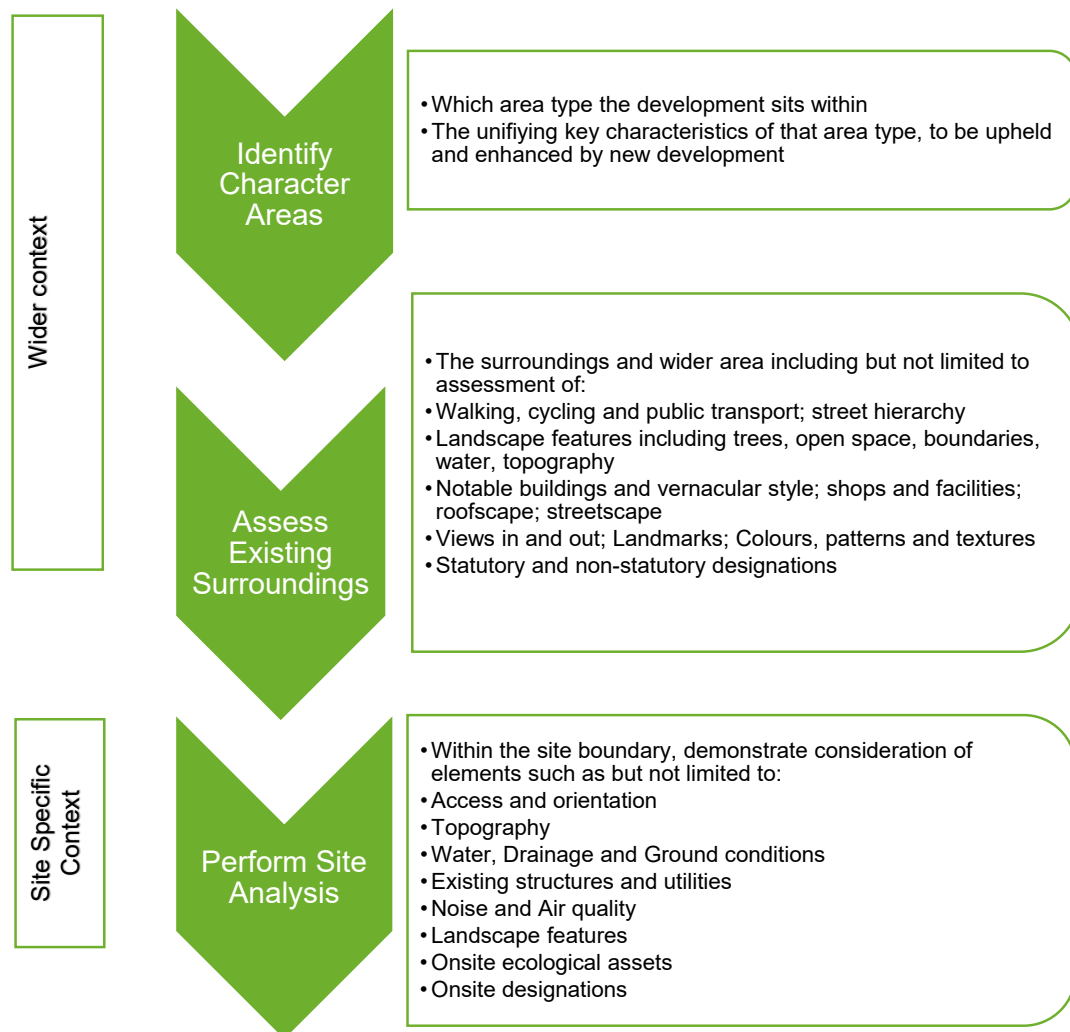
Site Analysis

- The character of the site itself also must be analysed. For example, the site analysis might identify steep slopes or limited access points as constraints, whereas views out, mature specimen trees, good existing boundary features and existing or potential pedestrian links may be identified as opportunities. The applicant must build up their own understanding of the site with the help of this design code.

Historic Assessment

- The historic environment encompasses everything from below ground remains, earthworks, field and settlement patterns, routes to buildings and structures. A heritage assessment considers all aspects of the historic environment whether they are designated or not.

1.3 Context is not a fixed distance from the site nor is context made up of an identical set of factors that apply everywhere. Topography and landform, water movement, views, sounds, activities, and communities are all important to context, but there may be other factors that are specific to the site and its surroundings. These factors can be both tangible and intangible, old or new, permanent or temporary. The checklist with this design code captures a range of factors that make up the context of sites in the district.



The Four Steps to Context

Step 1: Character Areas

CODE GH1 1.1 Character: Proposals must demonstrate how the design has been directly informed by the established characteristics and qualities of the site's setting, as identified in the National Character Areas and Cumbria Landscape Character Areas.

(Barrow: N1, DS2; Eden: DEV5, ENV2; South Lakeland: DM1, AS02, CS8.2, DM2)

1.4 Design and Access Statements must refer to any relevant Cumbria Landscape Character Areas, Types and Sub-Types in which the proposal site is experienced.

1.5 Each 'Character Area' has common recognisable characteristics and landscape features. Key elements include landform (e.g. hills, valleys, slopes), land cover (e.g. woodland, farmland, lakes) and settlement (e.g. towns, villages, farmhouses). Cultural perceptions (e.g. history, experiential qualities such as tranquillity) are also included in the profiles.

1.6 The [Cumbria Landscape Character Guidance and Toolkit](#) identifies Landscape Character Types and several sub-types at a finer grain of detail. Descriptions for each sub-type provide detailed information on the unique features of each landscape area. This will provide useful contextual information on landscape setting to reference in your application.

1.7 If the site is within one of the National Landscapes or its setting, the applicant should review the [Arnside and Silverdale Management Plan](#) or the [North Pennines Management Plan](#). Similarly if the site is in the setting of one or both of the National Parks, applicant should review the [Lake District Management Plan](#) and/or the [Yorkshire Dales Management Plan](#). If the site is close to the district's border with the Lake District National Park, it may be that the site falls into one of the sub-areas of the [Lake District Landscape Character Assessment](#). This may offer further guidance and information that is relevant to the proposal. Applicants must demonstrate an understanding of the unifying characteristics which define the wider setting of the development, and how these vary within Westmorland and Furness, to preserve and enhance these through their proposals.

1.8 Both the National and Cumbria Landscape Character resources save applicants and planning officers time by providing an independent and comprehensive assessment of landscape character.

1.9 This design code includes a checklist to help you identify and understand the National Character Areas and Cumbria Landscape Character Types. Further information is also available in the **Summary Character Appraisal** and **Baseline**.



The upland character area of the North Pennines National Landscape in the foreground, and the Eden Valley in the distance.



The fairly flat and open floor of the Eden Valley with the hills of the Lake District on the horizon. Aiketgate.



The Pennine upland character around Church Brough.



The low-lying flats around Morecambe Bay.

Step 2: Surroundings

CODE GHL 1.2 Surroundings: New housing developments must respond to the character of the surrounding area and wider setting, to reflect local distinctiveness by complementing and enhancing the existing built and natural environment. This must be clearly demonstrated, for example with a Design and Access Statement showing an understanding of the existing landscape.

(Barrow: DS5, DS6, G11; Eden: DEV5, ENV2, ENV3, LS1; South Lakeland: AS01, AS02, CS1.1, DM1, CS8.10, DM2)

1.10 To fully understand the surroundings of a proposal site, a context study should be conducted. Analysis should provide a comprehensive understanding of the townscape and wider landscape and should inform how the proposed development can integrate into its context (this is wider than a Landscape Visual Impact Assessment).

1.11 The level of detail of contextual analysis should correspond to the scale and impact of the proposed development. Applicants must include an appraisal of the local context, addressing landscape setting, local tranquillity, views, and vistas. This should guide the integration of the development within its townscape and landscape setting, focusing on careful siting, design, and impact mitigation.

1.12 Including a contextual analysis and site study in the Design and Access Statement is recommended to demonstrate how proposals consider the broader landscape. Pay particular attention to how the development will maintain or enhance its surroundings, ensuring a harmonious transition at the boundaries. This transition should reflect local character and materials, enhance the sense of place and respond positively to site opportunities.

1.13 The findings of the contextual analysis and site study must be included in the Design and Access Statement to demonstrate how proposals consider the broader townscape and landscape.

1.14 This design code includes a checklist to help you assess the site's surroundings. Further information is also available in the **Summary Character Appraisal** and **Baseline**.

Context and site analysis of an example large greenfield site



Site analysis helps to understand the context and character of the area. Consideration should be given to the constraints and opportunities offered by the site, so that proposals may be informed by, and integrated with, their surroundings.

KEY

Existing

- Town/Village centre
- Industrial areas
- Residential areas
- Agricultural and green space
- Woodland / Mature trees
- Existing path network
- Area of potential flood risk

Context and site analysis of an example large greenfield site – landscape opportunities



Landscape elements to consider include:

- The height and shape of the land, including aspect and steepness of slopes
- Views into and out of the site
- Screening of the development, or of external features
- Existing vegetation such as woodland or mature trees
- Water courses and areas of potential flood risk
- The edges of the site, and the interface with the landscape beyond
- Habitat connectivity and enhancement opportunities
- Areas of high value open green space



The buildings along the village street at Newbiggin look haphazard from this viewpoint, but there is consistency in the building heights, gabled forms, set back distance from the street and use of stone and drystone walls.



The street space is straight and linear with regularly spaced street trees. The corner buildings are noticeably taller and larger in footprint than the buildings behind. Buildings either face directly onto the pavement or are set behind small walled front gardens. Barrow.



There is a rhythm of buildings of similar heights and scales joining the pavement edge with garden spaces in between. Meanwhile, the opposite side of the street has a consistent line featuring hedges and verges with some stone walls that conceal the houses and front gardens. High Hesket.



Terraces are common, but the buildings within them have different heights and widths. Parking is informal and in front of the houses. The intimate built form and closeness of the buildings at the entrance to the street give it an enclosed courtyard feel. Kirkby Lonsdale.

Step 3: Site Analysis

CODE GH1 1.3 Site Analysis: All proposals must include a site analysis to evaluate the constraints and opportunities of the specific site. This assessment must consider how the site's characteristics influence the proposed development, ensuring sensitivity to local context.

(Barrow: DS5, H7, N1; Eden: DEV5, ENV1, ENV2, ENV3, ENV10, RUR3; South Lakeland: AS02, AS08, CS1.1, DM1, DM3, CS8.6, CS8.10, DM2)

1.15 This study should analyse the site's aspect and microclimate to inform optimal siting and orientation, evaluate available access points and routes, including rights of way, to enhance connectivity, and work with the site's topography, water movement, and ground conditions for effective drainage and land use.

1.16 The study must assess and respond to the existing hydrological characteristics of a site to ensure a flood resilient design is achieved and water / flooding is not deflected or constricted. The hydrological assessment of the site must consider site topography, naturally occurring flow paths, ephemeral watercourses and any low-lying areas where water naturally accumulates. Resultant layouts must take account of such circumstances.

1.17 The study should assess existing structures and services to promote cohesive integration, understand the impacts of air quality, lighting levels, and noise to mitigate disturbances and the uses of adjoining land and sites for future occupants, and retain, protect and enhance key landscape and ecological features such as trees, woodlands, and boundary treatments.

1.18 The early consideration of drainage which is integrated with site design is essential. Drainage is a key determinant of site design and should be factored into the initial assessment and design to ensure that the most sustainable approaches are adopted and the highest priority in the surface water hierarchy is achieved. Failure to adequately consider drainage can result in substantial changes to layout and proposed dwelling numbers being required to provide suitable drainage.

1.19 Safeguarding and enhancing ecological assets and habitats is vital to ensure biodiversity is integrated into the design. This includes retaining mature trees, hedges and waterways and features, with a focus on integrating them into the public realm of the new development.

1.20 Existing utility infrastructure can be a key determinant of site design. It is important for water and wastewater assets to be fully considered in development proposals at an early stage. United Utilities or Northumbrian Water will not permit development over or in close proximity to water and wastewater assets. Changes in ground level in the vicinity of water and wastewater assets or changes to the public sewer, including diversion, may not be acceptable as such proposals can:

- affect the structural integrity of an asset;

- adversely affect the hydraulic performance of an asset; and/or
- increase / displace flood risk.

1.21 Water and wastewater assets will need to be afforded access for maintenance, repair and replacement and be fully considered in the design and master planning process for a site. This should include careful consideration of landscaping proposals in the vicinity of assets, any changes in levels, any access / roads and any services that are proposed within the easement area, including services that are proposed to cross the assets.

1.22 Groundwater Source Protection Zones exist around Barrow and Penrith to protect groundwater from pollution. Groundwater source protection zones can be a key determinant of site design. Applicants should refer to the [Environment Agency's Approach to Groundwater Protection](#) guidance. Where the groundwater source protection zone relates to an asset owned by United Utilities or Northumbrian Water, applicants / site designers will need to engage with United Utilities or Northumbrian Water at the earliest opportunity.

1.23 This structured approach will facilitate a design that is not only visually appealing but also sustainable and contextually relevant.

1.24 This design code includes a checklist to help you assess the site. Further information is also available in the **Summary Character Appraisal** and **Baseline**.



With a site such as this, there may be features within it to retain such as trees and boundary features, but the landform should give cues to drainage and layout. There is also the bigger factor of how to positively weave the development into views towards the site from the rest of this rolling landscape. Skelton.

CODE GH1 1.4 Setting: Applicants must identify whether their proposal falls within or affects the setting of any landscape, ecological, cultural, and historic sites or designations.

(Barrow: DS5, N1; Eden: ENV1, ENV3, ENV10, ENV2; South Lakeland: AS01, DM1, CS8.6)

1.25 Designations are specific areas recognised for their importance due to environmental, cultural, or historical significance. Statutory designations are recognised and protected by law, such as the Lake District World Heritage Site, Listed Buildings, Conservation Areas and Sites of Special Scientific Interest (SSSIs). Non-statutory designations are also important for local planning, such as locally listed buildings or areas identified for their ecological value such as Local Nature Reserves.

1.26 Where development falls within or is adjacent to the setting of a National Park (the [Lake District](#) or [Yorkshire Dales](#)) or National Landscape ([Arnside & Silverdale](#) or the [North Pennines](#)), the relevant Management Plan gives a greater depth of information about the unique character of that area. This should be used to understand the Special Landscape Qualities that have led to the designation, and how these can be protected and retained.

1.27 Details of sites and designations can be seen on our website's interactive policies map. Applicants can also access interactive mapping through [Defra's Magic](#) website or the [Planning.gov](#) website.

1.28 Understanding the purpose of these designations is crucial for ensuring that proposed developments align with relevant national and local policies. This not only helps to protect the integrity of these sites but also supports sustainable development practices. Applicants are encouraged to familiarise themselves with the implications of these designations, and to refer to the Nature Section of this Design Code for further guidance on compliance and best practices.

Step 4: Historic Assessment

CODE GH1 1.5 Historic Assessment: New development must demonstrate how the proposal responds to the existing historic landscape and cultural context, incorporating a detailed assessment of the heritage and design elements.

The applicant must demonstrate how the proposal makes a positive response to the existing historic landscape and townscape context.

New development must consider potential impacts on heritage assets (both designated and non-designated) and avoid harm to the significance of heritage assets and their settings.

(Barrow: DS5, HE2, HE4, H7, N1, DS2; Eden: DEV5, ENV3, ENV10, ENV2; South Lakeland: AS08, CS1.1, DM1, DM3, AS07, CS8.2, CS8.6, DM2)

1.29 A Heritage Statement must be produced where required to ensure comprehensive evaluation of the proposal's impact on heritage assets and the surrounding historic and natural environment. The degree of detail and complexity of this will be proportionate to the nature of the development, the heritage asset(s) it affects and the nature of how it affects them.

1.30 The Heritage Statement must clearly demonstrate an understanding of the significance and setting of any heritage assets affected by the proposal. Potential impacts (both direct and indirect) on that significance must then be reviewed and levels of potential harm evaluated. [Historic England Advice Note 12: Statements of Heritage Significance](#) sets out what to include in a Heritage Statement.

1.31 The degree of detail and complexity of this assessment will depend on the size of the development and the nature of the heritage asset. Some heritage assets have an important relationship with their setting or other nearby assets or features of the townscape or landscape. For example, the Heritage Statement will include not only consideration of visual links or relationships, but also any effects on contextual relationships, such as the link between a village and its medieval field system or a landmark and views of it.

1.32 The Heritage Statement should support the design approach used in the application and enable an informed planning decision to be made. It should not be simply a list of sites and features.

1.33 The assessment must include:

- Designated heritage assets: World Heritage Sites, Scheduled Monuments, Listed Buildings, Conservation Areas, Registered Parks and Gardens, etc. (details can be found on the [National Heritage List for England](#), the [Local Plan interactive map](#) and the [World Heritage Site website](#)).
- Any relevant [conservation area appraisals and management plans](#).
- Non-designated heritage assets – properties on the local list, archaeological sites, boundaries, historic street furniture, milestones, etc. (details can be found on the Historic Environment Record (HER)).
- The potential for any heritage assets not yet recorded, including below ground archaeology.
- Discussion on how the development will affect the setting of a heritage asset must be included. This goes beyond a consideration of purely visual impacts to look at how change effects the way an asset is understood and experienced e.g., impact of increased traffic on the peace and quiet of a churchyard, or the design of a farm conversion on the agricultural identity of a farmstead or hamlet.

1.34 The [Cumbria Historic Landscape Characterisation Database](#) has identified 53 character areas and provides details of historical background, historic settlement type and vernacular buildings. Developments should respond to the details corresponding to the Historic Landscape Character Assessment for their location.

1.35 If the site is in an area covered by a Neighbourhood Plan or Conservation Area Management Plan, the proposed development should respond to any relevant design considerations provided in these documents. See [Understanding Place: Historic Area Assessments \(2017\)](#) for further guidance.

1.36 This design code includes a checklist to help you prepare a heritage statement. Further information is also available in the **Summary Character Appraisal** and **Baseline**.



The village green and the routes leading from it have formed a framework for the settlement pattern here at Langwathby. The individual buildings, village green and settlement pattern are each of heritage value.



Grange-over-Sands expanded in the 19th century as a seaside resort. This led to impressive villas and boarding houses being built for holidaymakers, giving it a genteel and largely Victorian townscape.



The settlement name 'Millhouse' gives a good indication of this village's historical activity but was it also an important bridging point over the River Caldew that connected many local places. We can also see a strong 'Lake District' character to the buildings.



A mixture of historic buildings and a historic route at Ainstable. Is the dispersed settlement pattern of heritage value? How important is the landscape as the setting to the village and the place of worship on the horizon?

2. Climate

Introduction

2.1 Good design conserves natural resources including land, water, energy and materials. This requirement is growing in importance in the face of a climate and ecological emergency.

2.2 New development must respond with designs that consider both the need to reduce carbon emissions (mitigation) and be resilient to the changing climate (adaptation) whilst remaining efficient in their use of natural resources.

2.3 Sustainable design sits across many other themes of good design and those in this design code. It is not a separate entity. A sustainable neighbourhood is one where a compact and walkable layout, with a mix of uses and facilities, reduces demand for energy and simultaneously supports health and wellbeing and amenity. It uses land efficiently and so supports adaptation by supporting the potential for local carbon sequestration and nature recovery, minimising flood risk and the potential impact of flooding, and reducing overheating and air pollution.

Using sustainable building materials

CODE GH1 2.1 Sustainable Materials: Development must consider the use of sustainable construction materials and methods.

In order to minimise the embodied carbon profile of new development, applicants are to prioritise:

- a) the repair, re-purpose and re-use of existing buildings, structures, boundary features and infrastructure (such as roadways, drainage, earthworks) to capture their embodied carbon;
- b) the re-use of materials;
- c) new materials being sustainable and locally-sourced; and
- d) building structures which are adaptable and resilient to future climate changes.
- e) the whole life costs of obtaining, maintaining, replacing and disposing of materials must be considered. Use locally sourced and non-toxic building materials that have low-embodied carbon and can be disassembled for re-use, or alternatively re-purposed or recycled.
- f) Design in anticipation of future adaptation, alteration or disassembly considering how current and future occupiers' needs may change, for example due to old age, disability or a growing family.
- g) on-site renewable energy generation that can easily be altered or upgraded.
- h) the need for external hard and soft landscaping, roofing, and rainwater goods to be resilient for more extreme weather events (rainfall, winds) and a warmer climate with more hot and dry spells.

(Barrow: C5, DS5, H7, *HC1*; Eden: DEV5, RUR3, *ENV5*; South Lakeland: CS1.1, CS8.7, CS8.6)

2.4 The proportion of carbon generated by new development through energy use is declining as decarbonisation of the energy grid continues apace and on-site renewable energy generation becomes more widespread. As such, addressing embodied carbon emissions – those emissions contained in the materials used in construction and the construction process itself – is becoming increasingly important and a greater component of the decarbonisation challenge in the built environment.

2.5 Embodied carbon in materials represent not just the emissions released during the processing or production of the material but through its full lifecycle including extraction, manufacturing, transport, construction, and disposal. Concrete, steel, and insulation are all examples of materials that contribute to embodied carbon emissions.

2.6 Therefore, while common building materials like concrete, artificial tiles, artificial stone, uPVC and aluminium all typically contain high embodied carbon (as well as involving high energy use in production, water intensive manufacture, or containing toxic chemicals), the way in which materials are procured or used may also increase their embodied carbon profile. Materials that are shipped long distances to their destination will have high embodied carbon. Procuring local materials is therefore encouraged.

2.7 Materials that are likely to be replaced soon given their short lifespans and those that do not allow for lifespan-enhancing maintenance or repair may also be considered to have high embodied carbon (given the need to secure more of the material than would otherwise be needed were it more durable). For instance, the increasing use of prefabricated material, uPVC windows, gutters and fascias, whilst requiring less maintenance, requires more frequent replacement and therefore higher material and carbon consumption during the lifespan of homes. However, aluminium, despite traditionally causing significant carbon emissions during manufacturing, can have a lower whole life carbon impact when carefully procured from manufacturers utilising low carbon, renewable energy and recycled material; and where optimum use of its durability is made by employing efficient and sensitive design.

2.8 Therefore, to minimise carbon generated through construction and development, new development should:

- Re-use, adapt and upgrade existing building materials, especially materials that contribute to local distinctiveness such as locally quarried stone and slate.
- Use locally sourced and/or low carbon building materials:
 - Sustainably sourced timber.
 - Locally quarried building stone and aggregate.
 - Locally quarried slate.
 - Natural lime for mortars, renders and limewashes.

- Minimise the use of building materials that require large amounts of energy and resources to produce and/or cannot be readily recycled:
 - Concrete and cement, including in render and other finishes.
 - uPVC, aluminium and steel-framed glazing, windows and doors (aluminium is preferred to uPVC for its durability).
 - Avoid synthetic materials such as artificial / plastic roof tiles or cladding.
- Avoid the use of prefabricated building materials that can generally not be repaired and have a fixed lifespan, requiring more material to be brought in for replacement.
- Prioritise building methods and materials that can be disassembled and re-used. Building methods should also minimise land disruption and preserve the natural landscape. Development that involves extensive levelling, moving or re-grading of land is inherently more carbon intensive during construction, and often creates landforms that are not reflective of the character of the wider landscape and landforms. Examples include the creation of large plateaus of land with steep embankments or tall and/or highly engineered retaining walls.
- Design to minimise energy intensive maintenance requirements over the lifetime of the development.
- Design buildings to be adaptable to different uses without requiring demolition.
- Design short-life systems and materials –for example mechanical and electrical installations – to be replaceable without requiring substantial alterations to long-life building elements, such as structure and external envelope.
- Design buildings with fixtures that promote water efficiency. As well as saving water, it helps to reduce the overall carbon footprint of our water supply infrastructure and system.



Although derelict, the walls of this barn at Stainton near Penrith are embodied carbon that may be capable of repair, re-use or as a last resort, a source of recycled materials.



The retention of stone walls and re-use of the walling stone are a good re-use of embodied carbon on the site, as well as knitting the development into the character of Greystoke.



The exterior of this new house is entirely made of materials that are energy intensive (artificial stone sills and lintels and synthetic / cement render) or have short lifespans and will go to landfill (uPVC rainwater goods, fascias and windows). Penrith.



Natural slate and timber have lower embodied energy and can be re-used or recycled. Greystoke.



Conversion and adaptation are the lowest carbon solutions. This former industrial building in Kendal is now homes. This makes use of the embodied carbon of the existing building and structure. It could be adapted and re-used in a different way in the future.

Working With Water, Sustainable Drainage Systems (SuDS) & Flooding

2.9 The character of Westmorland and Furness has been influenced by its relationship with water, either coastal or inland, upland or lowland. Today flood risk and the impacts of climate change are significant issues in the district, with flood prevention infrastructure added or in progress along many of the district's main rivers and their tributaries. All development will have an impact on water cycles and movement, in some form. Good design will work with water, by enhancing the value of water bodies as a blue infrastructure asset and will integrate water as a feature of the development proposals.

CODE GHL 2.2 Flood Risk: All development must contribute towards a reduction in flood risk and the potential impacts of flooding by:

- a) incorporating flood resilience measures;
- b) addressing all flood risks, including but not limited to coastal and groundwater flooding; and
- c) addressing the potential impacts of flooding and integrate SuDS, permeable surfaces, and other water management solutions to mitigate these risks.

(Barrow: BP5, C1, C3a, H7; Eden: DEV2, ENV5; South Lakeland: CS1.1, CS8.8, DM1, DM6, CS8.5; [National Standard for Sustainable Drainage Systems](#))

Surface Water Discharge Hierarchy

2.10 SuDS must allow surface water to be discharged according to the following hierarchy:

- Priority 1: Collection for non-potable use.
- Priority 2: Infiltration of direct runoff into the ground where feasible.
- Priority 3: Discharge to a surface water body (e.g., basin or watercourse).
- Priority 4: Discharge to a public surface water sewer or equivalent system.
- Priority 5: As a last resort, discharge to a public combined sewer, with clear justification provided.

2.11 Some areas may be at a higher risk of flooding than others, due to their geography, and this will also need to be factored into design proposals. For larger sites, drainage proposals should fit within a broader, coordinated strategy that aligns with future development phases.

CODE GHL 2.3 Sustainable Drainage: All development must integrate Sustainable Drainage Systems of an appropriate form and scale that:

- a) manages runoff and actively contributes to local biodiversity. This includes the incorporation of complex, multi-tiered habitats such as wetland mosaics, bio-retention areas, and other natural features that provide habitat diversity and support ecological networks;
- b) integrates with the context of the surrounding landscape and townscape; and

c) does not cause any adverse impacts on the quality of the receiving water body.

(Barrow: C1, C3a, DS5, DS6, H7, *DS2*; Eden: DEV2, *ENV5*; South Lakeland: CS1.1, CS8.8, DM1, *DM6*; [National Standard for Sustainable Drainage Systems](#))

2.12 The government's [SuDS manual](#) and the [National standards for sustainable drainage systems \(SuDS\)](#) are key references for the specification of any SuDS system.

2.13 Development proposals must clearly outline how Sustainable Drainage Systems (SuDS), and flood resilience measures are integrated. SuDS must be considered holistically and integrated with the provision and design of the development's green infrastructure and biodiversity net gain, as the three are frequently interlinked and therefore require an integrated approach. Detailed plans should show how these measures mitigate flooding risks, incorporating SuDS, permeable surfaces, and other water management solutions. Submissions must include schematics of water flow, stormwater management, and exceedance routes, and comply with local planning and environmental regulations. Additionally, effective maintenance and management strategies must be established.

2.14 Consideration should be given to the climate change resilience of SuDS to ensure that the SuDS continues to effectively serve its purposes despite climate change impacts. Similarly, clear and enforceable maintenance and management arrangements should be put in place to ensure SuDS function as intended into the long-term.

Integration of Sustainable Drainage Systems

2.15 SuDS are designed to manage surface water runoff as close as possible to where it falls, by using a combination of nature-based and engineered solutions. They should mimic natural drainage, providing benefits for water quantity, quality, amenity, and biodiversity. Multi-function SuDS that manage rainwater and runoff and provide amenity, ecological and microclimate benefits are to be prioritised over the traditional underground piping and storage of runoff and rainwater. This approach is required by the [National Standard for SuDS](#). The [Development Design Guide](#) provides further guidance on the design, construction and maintenance requirements of SuDS.

2.16 SuDS are a system that is built up of smaller or larger components that are designed into development to contribute to the overall goal of managing runoff and reducing flood risk. There is therefore not a one size fits all approach. Instead, there is a large range of options that can be used in different combinations depending on the development, the site and its context. Examples of SuDS components include:

- non-potable re-use;
- rainwater harvesting;
- green roofs;

- permeable surfacing;
- infiltration;
- swales;
- channels and rills;
- filter drains;
- filter strips;
- bio retention areas;
- rain gardens;
- inlets and outlets;
- detention basins;
- infiltration basins;
- ponds; and wetlands.

2.17 The design of SuDS will vary according to site specific topography, ground conditions and development proposals. However, the following principles apply to all SuDS design. Three key principles for SuDS and flood prevention in all sites are:

- grading land leading to doorways so that stormwater and runoff flow away from the doorway;
- allowing safe overland routes for stormwater and runoff to flow; and
- ensuring new sewage and wastewater systems drain downward rather than upward to mains sewers to prevent potential sewer surcharge.

2.18 SuDS should manage overall water runoff speed and volume through the following:

- Prevention: reducing the amount of surface water runoff by minimising impermeable surfaces and increasing interception and infiltration.
- Source Control: managing water as close as possible to where it falls, rather than diverting it.
- Site Control: Managing water at a site or local level, such as through detention basins or swales & rain gardens.
- Regional Control: Apply broader measures, such as wetlands, to manage runoff at a regional scale.



Here in Kirkby Lonsdale, runoff can pass through the dropped kerbs and into a landscaped drainage swale. The swale doubles as amenity landscaping for the houses opposite.



The stepped drainage channel in the centre of the photo becomes a water feature that slows down the flow of runoff in wet weather. It drains into the retention pond in the bottom right-hand corner. Penrith.



Where the houses are in a lower part of the site, a combination of soft landscaping, a gravel drainage channel and permeable highway surfaces have been used to intercept rainfall and runoff from higher up. Ulverston.



A planted verge offers amenity to the street, as well as providing a destination for runoff from the hard surfaces. Burton-in-Kendal.



Large detention basins or ponds such as this one in Lazonby are increasingly common in larger housing developments. While effective, the other SuDS examples mentioned above may provide better ecology benefits and a higher level of amenity and adaptability. They should therefore be minimised in number and scale by the use of other SuDS measures across the site.

Sustainability & Climate Resilience in Streets and Public Spaces

2.19 Streets and public space play a critical role in addressing climate change challenges. It is becoming increasingly vital to address future climate issues when designing today. Effective climate resilience planning is crucial as it mitigates flooding risks and other climate-related impacts such as the urban heat island effect, ensuring the public realm remains functional and comfortable under various weather conditions. Incorporating permeable surfaces and Sustainable Drainage Systems (SuDS) into the design of walkways and public squares improves water absorption and management, thereby reducing flood risks and enhancing groundwater recharge. Additionally, the strategic use of appropriately selected species and scales of street trees, along with well-designed tree pits, ensures the successful growth and longevity of mature trees in the public realm. The use of locally sourced materials can aid environmental sustainability efforts and should be incorporated where possible.

CODE GHL 2.4 Resilient Public Spaces: Public realm and amenity space must be designed with climate resilience at its core, ensuring long-term sustainability and adaptability to changing climate conditions. Schemes must focus on reducing the impact of urban heat island effect, managing stormwater effectively,

and enhancing the natural environment. This holistic approach ensures that public spaces are robust, functional, and aesthetically pleasing while contributing to the overall resilience of the urban and community spaces.

(Barrow: C5, DS5, DS6; Eden: DEV5, ENV4, ENV5; South Lakeland: CS1.1, DM1, DM2; [National Standard for Sustainable Drainage Systems](#))

2.20 Proposals must detail how they have integrated climate resilience features such as SuDS, permeable surfaces and shading in to schemes. Explanations must outline how these features contribute to managing the local microclimate and water runoff, also ensuring compliance with local and national environmental policies and regulations. Where local materials and suppliers are specified, this should be highlighted within the proposal.

Orientation of new buildings to maximise solar gain

CODE GHL 2.5 Passive Solar Gain: All proposals must be designed such that building form and layout are optimised to maximise daylight and passive solar gains for internal spaces.

This should be part of a 'whole house' approach to energy efficiency that considers levels of insulation, the orientation of rooms and openings, airtightness, natural ventilation and achieving comfortable conditions in periods of warmer and drier weather.

As part of such designs, building forms should ensure that public open spaces are not overshadowed while providing shading where appropriate to reduce the urban heat island effect and sheltering streets and public spaces from wind and wind tunnel effects. Similarly, the design is to avoid glint and glare from light reflecting off glazing.

(Barrow: C5, DS5, H7; Eden: DEV5, ENV5; South Lakeland: CS1.1, CS8.7, DM2)



This new house in Great Salkeld has its principal rooms facing south to maximise solar gain. Overheating is managed by the recessing of the glazing and internal blinds.

Energy Efficiency, Renewable Energy Generation and Low Carbon Technologies

CODE GHL 2.6 Energy Efficiency: Proposals must clearly show how the design of buildings have maximised the efficient use of materials, their layout and orientation to be as energy efficient as possible.

The most appropriate renewable energy technology for the site and surrounding area must be used, having due regard to the physical nature of the development such as aspect, building height and visual amenity.

(Barrow: C5, DS5, *BP2*, *BP5*; Eden: DEV5, *ENV5*; South Lakeland: CS1.1, CS8.7)

2.21 All development must incorporate renewable energy measures that are sensitive to the local area and character. Renewable energy generation installed must be able to be altered or upgraded rather than simply replaced at the end of its lifespan. Renewable energy generation options include:

- Solar panels – for both electricity generation (photovoltaic or PV) and water heating (solar thermal).
- Air source heat pumps.
- Ground source heat pumps.
- Micro-hydro power (where possible).
- Biomass.

Solar

- Solar photovoltaics (PV) produce electricity from the light of the sun. Solar PV should be used across Westmorland and Furness, but care must be taken to select solar PV with the least visual impact.
- Solar thermal panels collect heat from the sun to heat hot water. They work best alongside existing water heating systems which can help top up the heating system in winter months when solar energy is less abundant. Solar thermal should be used across Westmorland and Furness, but care must be taken to select solar thermal with the least visual impact.
- To minimise the impact of a solar system on the character of settlements and buildings the factors below should be considered:
 - Glint and glare – care should be taken to ensure that panels are not highly reflective and therefore stand out in the landscape or townscape.
 - Colour – matching or aligning the colour and finish of roof tiles and solar panels should be aimed for so that panels are blended with the roof they are mounted on and any surrounding buildings.
 - Framing – similarly, the design and colour of panel frames has an impact on their appearance. Where possible, panels without frames, black framed panels, or frames matching the colour of the panels or roof should be specified, to reduce the visual impact of the frames.

- Symmetry – panels should be laid in a symmetrical pattern. Aerials and flues (and therefore related internal piping) should be located so as to not obstruct a symmetrical solar installation.
- Size – The more panels installed, the better the investment in solar installation is for residents. However, at least a strip of roof should be visible on all sides of the panel array. If the roof is not symmetrical, don't visually overload the roof – if you can't achieve a clean rectangle/square edge for the array, install fewer panels.
- In-roof or on roof – where possible in-roof panels should be installed, particularly in new build in conservation areas and other sensitive locations. Where on-roof panels are used, the distance between the panel mounting system and the roof should be minimised. Where solar thermal panels, which are thicker and harder to visually merge with the roof, are used, close-coupled systems must be avoided, particularly in sensitive areas.
- Visibility – the location of a solar system can impact on the roofscape of settlements. Less prominent roof slopes should be identified for solar panels, such as garden-facing roof slopes or secondary roofs and garage/outbuilding roofs. Freestanding arrays should be considered where there is space available and a sensitive roofscape. In conservation areas, panels should not be installed on the main elevation of a building. The main elevation is the face or faces of a building seen from the direction from which it is most commonly viewed. Where it is installed on the main elevation, layouts should consider their visual appearance.
- Embedded panels - new development should deliver in-roof panels wherever possible.



These solar water heaters sit neatly and unobtrusively on these roofs in Kirkby Lonsdale.



These solar panels blend well with the natural slate of the roofs. The slates form thick borders around the panels, which are placed centrally on the roof slopes. Kirkby Lonsdale.



PV panels have been built into the roof slopes in the foreground when these houses were built, meaning the surfaces of the panels are almost flush with the roof tiles. In the background PV panels have been retrofitted to existing slate roofs. Lazonby.



This housing development in Stainton near Penrith makes extensive use of solar panels on the southerly facing roof pitches. The panels are set into the roof slopes.

Heat Pumps

2.22 All new build homes should include ground or air source heat pumps. Heat pumps are well suited to new build developments and can also be suitable in traditional buildings.

2.23 Ground source heat pumps use pipes that are buried underground to extract heat from the ground.

2.24 Air source heat pumps transfer heat from the outside into a building to provide electric heating to generate hot water and heating. An air source heat pump (ASHP) unit will need to be fitted to a wall or flat roof or placed on the ground, with plenty of airflow around it. ASHPs should be positioned to not be visible from the front of the house, and should otherwise avoid prominent positions, away from neighbouring properties.

2.25 Solar panels with storage batteries can power the ASHP instead of power from the National Grid. These two forms of renewable energy are often installed together, as the panels can power the home and heat pump.

Biomass

2.26 Biomass is mainly the use of logs, wood chips, wood waste or pellets to create electricity and heat. Biomass should be considered as a source of renewable energy generation when designing new developments.

2.27 Biomass fuel must be obtained from a sustainable and, ideally, local source. Energy generation via biomass procured from an unsustainable source can have very high carbon emissions and must be avoided.

Climate: what we don't want to see

- New development with a large carbon footprint due to the materials, components and building techniques it uses, and missed opportunities to reuse buildings, structures, infrastructure or materials where feasible.

- Proposals that add to the carbon footprint of development by extensively levelling out and regrading slopes.
- Building components such as windows, doors, soffits, renders and rainwater goods that have short lifespans and create a short cycle of renewal and replacement.
- Homes that have a high carbon footprint to occupy due to a lack of built-in efficiencies such as passive solar gain and natural ventilation or require additional heating or cooling.
- New development that takes no measures to manage runoff and reduce flood risk.
- A tokenistic approach to SuDS (e.g. a large pond) rather than development incorporating a range of SuDS measures as part of a holistic system.
- SuDS measures that offer neither habitat value nor amenity value or perform poorly as either.
- Renewable energy generation serving energy inefficient buildings.
- Renewable energy generation that is not responsive to place or its character.

3. Nature

Green and Blue Infrastructure (GBI) Networks

3.1 Green Infrastructure (GI) is a network of green spaces that foster connections between people, wildlife, and nature. This includes trees, parks, gardens, allotments, road verges, and other green elements. Blue Infrastructure (BI) refers to water-related elements such as rivers, streams, canals, ponds, lakes, and wetlands. Together, Green and Blue Infrastructure form a strategic network that provides multiple benefits, including climate resilience, biodiversity enhancement, and recreational opportunities. Green and Blue Infrastructure also provide opportunities for play, recreation, exercise and providing places for people to meet and spend time in outdoor spaces.

CODE GHL 3.1 Green and Blue Infrastructure: New development must adopt a landscape-first approach to green and blue infrastructure by:

- a) retaining and incorporating existing Green and Blue Infrastructure assets into the layout and design;
- b) integrating new and existing Green and Blue Infrastructure on the site with the wider Green and Blue Infrastructure network in the surroundings of the site; and
- c) using several different types of interlinked Green and Blue Infrastructure so that the network is multifunctional.

(Barrow: BP13, DS5, GI3, GI4, GI5, *DS2, GI1, GI2, GI6, GI7*; Eden: ENV4; South Lakeland: CS1.1, DM4, LA1.10, *CS8.1, CS8.4, DM5*)

A landscape-first approach to Green and Blue Infrastructure



- 1 Key landscape features of the site, such as a river corridor, are integrated and strengthened, allowing for local distinctiveness
- 2 Green corridors through the development allow connectivity between habitats. These can double as active travel routes, promoting nature-based connections
- 3 The edge of the development is responsive to and in-keeping with its surroundings. Thresholds into and out of the site are considered
- 4 Existing routes and pathways through the site are maintained, and extended to create further connections
- 5 A hierarchy of routes is provided, with active travel preferred, and a reduced reliance on cars
- 6 Building heights and densities are higher along main roads and movement corridors. Active frontages line primary routes
- 7 The built form responds to the surrounding grain of development,
- 8 New homes are within walking distance of local facilities such as a school or shops
- 9 Focal spaces for community use, such as play, food growing, or events, are provided throughout the site, enhancing connections with the existing community

Designing Green and Blue Infrastructure

3.2 When incorporating Green and Blue Infrastructure (GBI) into proposals, there are numerous opportunities to enhance the ecology and character of a site. These elements include, but are not limited to:

- Sustainable Drainage Systems (SuDS): Incorporate SuDS to manage stormwater and enhance water quality.
- Rain Gardens and Swales: As specific types of SuDS, rain gardens and swales to manage surface water and support local flora and fauna.
- Blue Spaces and Waterbodies: Such as wetland and other large waterbodies like ponds, lakes and reservoirs, plus springs, streams, rivers and estuaries and tidal flats.
- Green and Blue Roofs/ Walls: Utilise green and blue roofs and walls to improve building insulation, reduce runoff, and enhance biodiversity.
- Species Features: Include features such as bird boxes, bat roosts, swift bricks, and hedgehog highways to support local wildlife.
- Soft boundaries such as hedgerows, planted buffers, and species-rich margins should be used around individual gardens, communal gardens, groups of homes or at the edges of housing developments. These provide additional biodiversity benefits.
- Tree Integration: Ensure new trees are well-integrated into hard and soft landscapes and provide shading and aesthetic benefits.
- Allotments and orchards: Support local food production by incorporating allotments, orchards, and community gardens into new developments. Encourage varied scales of community growing facilities to promote sustainability and community engagement.
- Private and communal domestic gardens: Design gardens to include diverse planting schemes, support local biodiversity, and contribute to the overall green infrastructure network. Instead of turf or artificial grass, consider elements such as native plant species, wildlife-friendly features, and permeable surfaces. Communal gardens in particular provide greater potential for Green and Blue Infrastructure such as allotments, orchards, or simply more space for trees to grow and mature, or for people to stop and enjoy. Large spaces and structure planting also provide more opportunity for GBI within the site to integrate with the character of the wider landscape.
- Green and Blue Infrastructure in the public realm: Enhance the public realm with woodlands, grasslands, scrub, and hedgerows. Ensure these spaces are well-maintained and accessible, contributing to ecological connectivity and providing recreational and aesthetic benefits for the community.
- Consideration of the existing pedestrian network and rights of way. If the site contains, adjoins or is near to an existing route that connects people with green spaces, nature or the countryside, the development should respond to this by connecting to or integrating the route into its layout or making its access easy via a combination layout and signage.

3.3 The above are examples of components which may be integrated into proposals, in order to enhance and strengthen the overall network of Green and Blue Infrastructure. It is important that the links and flows between these features are considered, and that they are not standalone items. Natural England's [Green Infrastructure Planning and Design Guide](#) gives more detail on these 'building blocks' of Green and Blue Infrastructure and how to plan and design good Green and Blue Infrastructure more generally.

Maintenance and Management of Green and Blue Infrastructure

3.4 The Council will use planning conditions or obligations to secure the maintenance and management of new Green and Blue Infrastructure features throughout the development's lifetime. Green and Blue Infrastructure elements should therefore be designed to be easily maintainable and continue to provide their intended benefits. Nationally, there is an increasing emphasis on the importance of local food production through community growing facilities such as allotments and orchards. New development should seek to increase opportunities for community growing where possible, at a variety of scales.

Integration and Connectivity of Green Spaces

3.5 The Cumbria Local Nature Recovery Strategy identifies that extending and enhancing the Green and Blue Infrastructure network will support nature recovery by improving habitats and the linkages between them, in addition to improving the connectivity between places for people. The Barrow Borough Draft Green Infrastructure Strategy SPD outlines five key Green Infrastructure Typologies in settlements that can be applied across Westmorland and Furness as a whole. These typologies may help applicants to understand how they can contribute to the green infrastructure network across their site:

- Green Wedges – which act as buffers between settlements, neighbourhoods, land uses (such as between homes and industry or major infrastructure) or developments.
- Green Spaces – open amenity space, particularly in larger settlements.
- Green Corridors – multifunctional linear features within developments, may include water movement.
- Green Routes – including access routes for people to move through or between developments.
- Green Links – strategic or local connections, such as wildlife corridors or hedgerow lines.

3.6 These typologies offer valuable insights into how Green and Blue Infrastructure can be incorporated into site design. Crucially, ensuring connectivity between these elements within the site, across adjacent areas, and extending to neighbouring sites is essential. This connectivity enables the movement of plants and animals, reinforcing the network's overall effectiveness and ecological function.

3.7 A clear understanding of the site and its setting (gained through site analysis as described in the Context section) will help ensure that new green infrastructure is

appropriately designed and integrated and serves a clear function. Existing green and blue infrastructure elements should be identified and retained. This will then inform the type and location of Green and Blue Infrastructure enhancements which should be integrated into design proposals to strengthen the overall Green and Blue Infrastructure network. New Green and Blue Infrastructure must serve clear functions in the context of both the new development and the wider network.



This small piece of green infrastructure near Kendal town centre provides a shortcut between streets, access to houses, visual amenity and space for informal play, and is a component of the site's SuDS, absorbing runoff and draining it away from buildings. A more species rich planting scheme could enhance its ecological value.



At this larger housing development in Kirkby Lonsdale, green infrastructure is threaded through the centre of the site as a green route. It provides a mixture of walkways, access to homes, drainage and SuDS, amenity and biodiversity value.



Traditional townscapes, such as this one in Kendal also incorporate green infrastructure. This small break in the built form contains a handful of trees that have had the space to grow to maturity with large canopies. As well as their nature value, the trees and green space provide a focal point, amenity and a strongly green character.



GI as routes and links is also important. The village street at Newton Reigny peters out at one end into this track leading into the surrounding countryside. The settlement is therefore well integrated with green spaces and its rural surroundings. It is vital for new development to maintain, make use of or enhance these valuable connections for nature and people.

Incorporating Nature into the Open Spaces

3.8 Green Open space and recreational facilities are beneficial to physical and mental wellbeing, and a crucial component of a thriving community. Such spaces should offer benefits for biodiversity, nature conservation, recreation, climate resilience, and community health. The size and quantity of open space provision should be in accordance with local planning policy and national guidance.

CODE GHL 3.2 Open Space: The public realm within new housing development must incorporate nature through the strategic retention and planting of trees, native species, and biodiversity-rich landscapes, proportionate to the scale and context of the development, and deliver good quality open space.

(Barrow: BP13, DS5, GI3, GI4, N4, *GI1*; Eden: DEV5, ENV1, ENV4, *ENV2*; South Lakeland: DM1, DM4, *CS8.1*, *CS8.4*, *DM2*)

Key Considerations for Integrating Nature:

- **Nature-Rich Landscapes:** Design public spaces with diverse planting schemes, including native trees, wildflower meadows, and wetland areas. This supports local wildlife and enhances biodiversity.

- SuDS: Incorporate green roofs, living walls, and rain gardens to manage stormwater and improve air quality.
- Accessibility: Ensure that green spaces, countryside, wildlife corridors and Green and Blue Infrastructure are accessible and inclusive, with well-designed pathways and entrances.
- Integration of nature and Green and Blue Infrastructure: the provision or enhancement of green and blue infrastructure should support local nature recovery by improving habitats and the links between them.
- Wildlife Connectivity: Maintain wildlife corridors and green links to allow safe species movement across the landscape.
- Community Engagement: Create spaces that encourage interaction with nature, such as community gardens and natural play areas.
- Long-term Benefits: ensure there is appropriate space around new trees, hedges and structure planting to grow to maturity without unduly harming daylighting of buildings and highway safety. This ensures the ecological, microclimate and streetscene impacts of structure planting are maximised.
- Maintenance: Plan for the long-term upkeep of natural features to ensure continued ecological and aesthetic benefits.
- Boundaries: Ensure boundaries are suitable for their intended use and setting, while maintaining connectivity for wildlife.
- Recreation and Nature Appreciation: Diverse recreational activities can coexist with natural elements, such as nature trails, seating, educational signage about local wildlife, and nature-themed play areas. This can include areas where human activity is limited to reduce disturbance, while still allowing people to appreciate nature from a distance.
- Lighting: Use considerate lighting to enhance safety and usability without disturbing local fauna. Detailed guidance and specifications for minimising the impacts of lighting on nature can be found in the [Good Lighting Technical Advice Note: Designing Out Light Pollution in Cumbria, the Yorkshire Dales National Park and the Arncliffe and Silverdale AONB](#).



This cul-de-sac in Greystoke takes the form of an informal village green, with space for informal relaxation and play. Rather than simply being a lawn, the central spaces retain mature trees that provide shade and habitat. This has been supplemented by new tree planting.



This is the same space in Greystoke as the photo above. Rather than being a manicured lawn, it contains a greater range of plants and has been allowed to grow out. This little oasis of green infrastructure provides an attractive outlook for the surrounding homes.

Access to Nature for All

- No one should live more than 300m from their nearest area of natural greenspace of at least 2 hectares.
- At least one 20-hectare site should be within 2km of every home.
- There should be one 100-hectare site within 5km of every home.

3.9 These standards should guide the planning and design of new developments and public open spaces to ensure accessibility to green areas for all residents. These standards are based upon Natural England's [Accessible Natural Green Space Standards](#) (ANGSt). This is to ensure that people can reap the benefits of accessing a mix of open green space and help retain the naturalness of these spaces. These standards should be used as a guide when planning and designing for new developments and new public open spaces.

CODE GHL 3.3 Inclusive Access: All new development must enhance or maintain safe, direct, and inclusive access to nature through public realm, open space, or other connections to natural environments.

(Barrow: DS5, I4, *GI1*, *HC4*; Eden: DEV5, ENV4; South Lakeland: AS05, DM1, DM4, *DM5*)

Proposals should integrate nature into the public realm by:

- creating diverse, native plantings and green infrastructure features.
- ensuring public spaces are accessible, with clear pathways and safe entrances, and support wildlife connectivity.

- including plans for ongoing maintenance and demonstrate how they will enhance both ecological value and community use.
- adhering to accessibility standards for green spaces as set within current and future Local Plan Policy.
- ensuring proximity to natural areas for all residents.
- avoiding the loss of existing open spaces by providing suitable compensatory measures if needed.

Green and Blue Infrastructure and Access to Nature: what we don't want to see

- Green and Blue Infrastructure and nature opportunities identified in the site and context assessment not being taken forward into the design of development.
- Green and Blue Infrastructure, nature networks or natural areas destroyed, harmed, degraded or exposed to additional risk of deterioration by new development.
- Green and Blue Infrastructure and nature networks truncated or diminished by new development.
- Opportunities to extend, enhance or strengthen Green and Blue Infrastructure and nature networks being missed by this topic not being addressed early in the design process.
- New homes not having adequate access to Green and Blue Infrastructure and nature.
- New development not incorporating a suitably diverse range of measures to improve Green and Blue Infrastructure and access to nature.

Biodiversity

Conservation and enhancement of priority habitats and species

CODE GHL 3.4 Biodiversity Protection: All proposals must identify and consider priority habitats and species within the site and its immediate surroundings. Where priority habitats and species are identified:

- a) the proposal must include measures to conserve these habitats and species, such as minimising habitat disruption, incorporating buffer zones, and preserving key ecological features; and
- b) the proposal must enhance these habitats, for example, by restoring degraded areas, expanding existing habitats, or creating new habitat features that contribute to the ecological network.

(Barrow: BP13, DS5, N3, N4, *BP4*, *DS2*; Eden: DEV5, ENV1; South Lakeland: AS04, CS1.1, DM1, *CS8.1*, *CS8.4*, *DM2*, *DM4*)

3.10 The [Cumbria Local Nature Recovery Strategy \(LNRS\)](#) will map out and list priority habitats and species that need protection and enhancement within the

county. This includes habitats and species that are of national importance, as well as those that are locally significant.

3.11 Reference the use of the Cumbria Habitat Basemap and Habitat Networks Map as tools to identify and prioritise these habitats.

3.12 The Cumbria LNRS will update the species lists, determine priority species, link these species to habitat management outcomes, and create tailored management plans for particular species needs.

3.13 All new development should align with the objectives outlined in the [Cumbria Local Nature Recovery Strategy \(LNRS\)](#). This includes incorporating design elements that support the restoration, enhancement, and connectivity of habitats and features which help to support populations of priority species, as identified in the LNRS.

3.14 Proposals should include features that contribute to the local ecological network as described in the LNRS. This may involve the creation or enhancement of habitats, green corridors, or other natural features that help achieve the goals of the LNRS.

3.15 Developers should use the [Cumbria Biodiversity Data Centre](#) to access up-to-date information.

3.16 Opportunities should be taken to incorporate biodiversity into the fabric of new buildings and structures for example through:

- Living roofs and/or walls. These promote biodiversity, minimise water run-off, improve building insulation, reduce cooling costs in summer and can improve the appearance of an area. Such schemes are unlikely to be appropriate for traditional or Listed Buildings.
- Swift and swallow bricks, which are mortared directly into brick walls.
- Bat access tiles for roofs, bat bricks and bat cavities for walls.

3.17 These built-in measures will have longer useful lifespans than measures such as boxes fixed to walls or trees. Care should also be taken with the placement of biodiversity measures in terms of orientation, height from the ground and proximity to human activity.

Nature and habitat buffer distances

3.18 A minimum 15-metre buffer zone, aspiring to 30 metres, should be established between any development and ancient woodlands or watercourses. The exact width of the buffer should be determined based on ecological assessments and the potential impact of the development. This is in line with Barrow Policy C1 and [Natural England's Standing Advice for Ancient Woodland, Ancient Trees, and Veteran Trees](#).

3.19 Further guidance on buffers with regard to ancient woodland, ancient trees and veteran trees are in this [government advice note](#).

3.20 Given the importance of water quality and ecological buffers, consider aligning buffer sizes with the specific requirements of the habitats in the [Cumbria Habitat Basemap and Habitat Networks Map](#). Consider increasing buffer sizes for particularly sensitive sites, such as SSSIs, County Wildlife Sites and local Nature Reserves, based on impact risk zones and local habitat characteristics.

Biodiversity Net Gain

CODE GHL 3.5 Biodiversity Net Gain: All new developments must achieve a minimum of 10% Biodiversity Net Gain (BNG). This must be calculated using the statutory metric and demonstrated through detailed ecological assessments submitted with the planning application, as per BNG regulations.

BNG must not only focus on the quantity of habitat created or enhanced but also on the quality and ecological value.

To achieve BNG, development must:

- a) Include a range of habitats that are appropriate to the local context, ensuring that they reflect the natural character and biodiversity priorities of the area.
- b) Design new or enhanced habitats to be part of a coherent ecological network. This involves connecting new habitats to existing green infrastructure, wildlife corridors, or natural habitats to ensure they contribute meaningfully to local biodiversity and resilience.

(Barrow: DS2, N3; Eden: DEV5, ENV1; South Lakeland: CS1.1, DM1, CS8.4, DM4; [National Biodiversity Net Gain Policy](#) 2023 onwards)

3.21 The government's national BNG requirements and guidance are in this [online collection of documents](#).

3.22 Westmorland and Furness Council has also published [this guidance for delivering the national BNG requirements](#).

3.23 BNG proposals should maximise the potential of a site in terms of providing benefits to as wide a range of habitats and species as possible. Support will also be given to proposals that incorporate innovative habitat creation and enhancement schemes that prioritise locally distinctive habitats and are implemented using native species of local provenance.

Biodiversity and BNG: what we don't want to see:

- Development that destroys, harms, undermines or places additional risks on priority habitats, priority species, features which help to support populations of priority species, or the local ecological network identified in the LNRS.
- Development that misses opportunities to extend or improve habitats or improve connectivity between habitats.
- Development that does not achieve biodiversity net gain in line with national requirements and local policy.
- BNG having a narrow focus on the habitats and species that will benefit.

- Development within habitat buffer distances or otherwise being too close to sensitive sites and/or habitats and species.
- Habitat enhancement and/or creation that is inappropriate to the landscape, flora or soils of its proposed location or that will not achieve its target due to other limiting factors such as the size of the proposed habitat parcel.

Trees, Hedgerows and Planting

Existing Trees, Woodlands & Hedgerows

CODE GHL 3.6 Existing Trees, Woodlands, and Hedgerows: Development proposals must:

- a) retain and protect existing trees and hedgerows and, where removal is unavoidable, compensatory planting and replacement of trees should be provided at an appropriate ratio; and
- b) include a variety of native species in new planting to enhance biodiversity and contribute to the overall green infrastructure network.

(Barrow: DS5, N4, DS6, G16; Eden: DEV5, ENV4, ENV2; South Lakeland: AS02, CS1.1, DM4, AS04, AS08, CS8.1, CS8.2)

3.24 Developers should integrate street trees and planting design to enhance urban environments and support ecological functions where appropriate.

- Prioritise the use of native species for street trees and plantings to benefit local ecosystems and ensure compatibility with local conditions.
- Design tree pits to support healthy tree growth and prevent infrastructure conflicts.
- Incorporate pollinator-friendly plants and wildflower areas to boost biodiversity and create attractive green spaces.
- Ensure that all planting schemes are well-maintained and harmoniously integrated into the urban fabric.
- Retain and protect existing trees and hedgerows where possible and provide compensatory planting as needed.

3.25 Existing countryside hedgerows should be retained through the careful design of new housing, so the hedgerows continue to benefit from protection under the Hedgerow Regulations 1997. Section 106 agreements may be attached to planning permissions to ensure hedgerows are retained.

Incorporating nature at the edge of a greenfield housing development



1. Staggered building line and varied building forms to echo vernacular building forms and groups.
2. Houses positioned to make the most of countryside views.
3. Access road kept to a minimal width, widening for turning and parking.
4. Parking positioned between houses and screened by hedges in front gardens.
5. Footpath and cycleway link the site and countryside via an existing right of way.
6. Retained trees and hedgerows provide a soft edge to the countryside.
7. Vista out to the countryside from the public realm.
8. Informal timber bollard or rural post and wire fencing provides a boundary feature.
9. Permeable surfaces and soft landscaping provide sustainable drainage.

Settlement edge and nature



1. The building lines, boundary walls and structure planting provide an assertive edge to the settlement. This provides a strong boundary between the built-up area and the rural landscape.
2. The houses form composed groups of five that can be appreciated from a distance in the landscape.
3. Raised outdoor deck allow for view out into the countryside and make efficient use of land.
4. The layout makes use of the 'borrowed' greenery of the landscape rather than each house having a large garden.
5. Combination of gabled roofs and much lower flat-roofed built forms reflects the character of local built form whilst introducing contemporary aspects of design.



Existing trees on the site can offer great amenity and screening. They would be the dominant features of the skyline, being taller than any other feature of the developed site. Every effort should be made to retain and enhance the nature and amenity benefits offered by mature trees. Armathwaite.



The hedge and trees along the field edge in Millhouse could be retained and strengthened by new planting to form a suitable edge and screen between the development and the wider landscape.



This greenspace adjacent to the River Kent is part of the floodplain and is retained to flood. It also has nature and amenity benefits.

Street Trees

CODE GHL 3.7 Street Trees: All street tree planting schemes must prioritise native species of high ecological value appropriate to local context, and ensure:

- integration with the surrounding below-ground infrastructure, and above-ground structures such as overhead wires and streetlighting;
- there is adequate space for future canopy growth in relation to buildings, structures and highways; and
- street tree species are likely to be resilient to climate change as per the local climate change projections.

(Barrow: DS6, DS2, G11; Eden: DEV5, ENV4, ENV2; South Lakeland: CS1.1, DM4, AS02, AS08, DM2; [National Planning Policy Framework, Chapter 15](#))

- **Strategic Tree Planting:** Enhance urban environments with trees along streets to provide shade, reduce air pollution, and improve appearance and character. Native species are preferred for their ecological benefits and compatibility with local conditions, particularly near watercourses or natural habitats.

Ornamental species may be used as accent trees in urban or peri-urban areas to add visual interest.

- **Designing Tree Pits:** Ensure that tree pits accommodate the growth of street trees and minimise infrastructure conflicts. Consider factors such as soil quality, root space, and access for maintenance. Consider also the role that tree pits can play in the overall site's SuDS.
- **Species Choice:** Select tree species that are suited to the local climate and soil conditions and projected climate change. Use native species to enhance biodiversity and support local ecosystems.
- **Street scene contribution:** Consider how the siting of trees as structure planting can enhance the street scene, vistas and skyline of the development as trees grow to maturity.



In an urban environment with very few green or soft surfaces, street trees and shrubs can offer substantial amenity and microclimate benefits. Barrow.



In a village context, a combination of street trees on verges, trees and gardens and hedge boundaries create a substantially 'green' street frontage even though the street is lined on both sides by houses. High Hesket.



Although these newly planted trees are young now, they will completely transform the character of this street as they grow and mature. They will soften the street scene, make the parked cars less prominent and will complement the retained mature trees seen just over the rooftops. The regular spacing of the trees and their distancing from buildings and windows will facilitate this. Species selection will ensure climate change resilience and that the tree grow to an appropriate scale for this context. Kirkby Lonsdale.



These street trees are more established than those in the previous photo. As their canopies grow, they will extend the character of the Victorian villas in treed gardens at the top of the hill into this new development. Grange-over-Sands.



Even in winter, carefully sited trees provide a focal point and heart to a densely built up street or square, such as here at Church Brough.

Planting Design

3.26 Landscape planting schemes to the public realm and gardens that promote biodiversity are separate to the creation or enhancement of habitats. While landscape planting can support biodiversity, it is different to creating or enhancing habitats. Also, landscape or garden planting is likely to be cyclically changed, which means it does not tend to provide long-term habitats.

3.27 When designing planting schemes, include pollinator-friendly species and wildflowers to enhance local biodiversity and create attractive, nature-rich spaces. Planting should consider climate change projections to ensure that schemes are resilient and deliver their intended benefits long-term.

- Pollinator-Friendly Species: Incorporate plants that support pollinators and provide diverse habitats.
- Wildflower Areas: Designate areas for wildflowers to enhance local biodiversity and create attractive, nature-rich spaces.
- Consider the scope for planting on balconies, terraces and as green walls or other locations where flats are proposed.



This low-level planting provides different species and habitats to the woodland in the background. Visually however, the leafy planting extends the setting into the site and therefore integrates the development with its context. Greystoke.



Gardens planted with a variety of plants rather than being turfed offer greater amenity, provide food for pollinators, and make the changes in level along the street more attractive. Kirkby Lonsdale.



The tree on the left side of the street is on its way to becoming a landmark and focal point in this estate in Lazonby. It is nearly as tall as the houses and softens the street scene.

Street Trees, Trees, Hedgerows and Planting: what we don't want to see

- The loss of existing trees, hedgerows and planting that are important as habitats or as important landscape or townscape features.
- Design that destroys or degrades rather than maintains or enhances important trees, hedgerows or vegetation.

- A tokenistic approach to trees and hedgerows and planting (e.g. retaining one landmark tree or mature hedgerow) rather than making existing assets a holistic aspect of the site's design.
- Landscaping that has large expanses of hard landscaping, creating a harsher microclimate, and missing opportunities to integrate street trees and planting.
- New trees, hedgerows and planting that do not adequately compensate for existing trees, hedgerows and vegetation that will be lost due to the development.
- The use of invasive non-native plant species as identified in government guidance: <https://www.gov.uk/guidance/invasive-non-native-alien-plant-species-rules-in-england-and-wales>.
- New planting that is of low or lesser habitat value.
- New planting that is not resilient to the current and anticipated impacts of climate change.
- New planting that is not an integral part of SuDS.
- New planting where there is insufficient space for trees and hedges to grow to maturity.
- Quantity over quality: for example, fewer trees that are able to mature and offer meaningful habitats and townscape markers will be preferable to many trees of limited habitat or townscape value.
- Street trees planted where this would be out of step with the context.
- Expanses of lawn over landscaping and planting that can offer greater SuDS capacity, climate change resilience and habitats.
- Artificial grass, as this offers no ecological benefits and inhibits natural moisture movement.
- New planting that is impractical to maintain.

4. Movement

Introduction

4.1 Streets and routes play three key roles:

- connecting people and places,
- influencing how a place functions, and
- influencing the character of places.

4.2 Streets and routes are shared by us all. Their design is therefore of high importance.

Development Design Guide

4.3 This design code supports the policies of the district's Local Plans and the Development Design Guide. Applicants should refer to the Design Guide alongside this design code. Note the Design Guide is currently being updated and consulted on; for further details see the [Design Guide website](#).

Street Network & Character

4.4 Understanding of key routes and connections and associated character and hierarchy will be accomplished through the assessment of the site and its context. The established context can often provide a framework for the location and design of new streets and routes. For example, the assessment of the context may reveal that broad, sweeping and highly-engineered roads are very rare. However, if existing connectivity, especially for pedestrians, wheelers and cyclists is poor, or the design of the existing streetscape is generally poor and does not foster a sense of place, the design of new routes should align with the design code rather than replicate the existing character.

CODE GHL 4.1 Street Network: New development is to have a clear hierarchy of routes and streets that are integrated with the surroundings.

Street and movement strategies must demonstrate a positive response to the surrounding context, including the existing street hierarchy, local character, public transport networks, and any key desire lines identified in the area.

(Barrow: DS5, I4, DS2, HC1, HC4; Eden: DEV3, DEV5, ENV5; South Lakeland: CS1.1, CS10.2, DM1, AS08, CS8.10, DM2, DM5)

Route and street hierarchy



Access and circulation elements to consider include:

- Existing routes nearby and through the site, both for vehicles and pedestrians
- Proximity to existing services and community facilities, and the ways these are accessed
- Thresholds into and out of the site
- Missing links, or areas of poor permeability where enhanced connectivity is needed
- The hierarchy of routes, from main roads to rural lanes
- Opportunities for integrating SUDS and active travel
- Safety and security of routes and spaces
- Providing pedestrians and cyclists with a choice of convenient routes and connections

KEY

Existing	Proposed	
 Town/Village centre	 Screen planting	 Footpath
 Industrial areas	 Open green space	 Building frontages
 Residential areas	 SUDS features	 Shared parking
 Agricultural and green space	 Views retained	 Primary Townscape markers
 Woodland / Mature trees	 Primary road	 Secondary Townscape markers
 Existing path network	 Secondary road	 Community assets
 Area of potential flood risk	 Shared space	 Public spaces

4.5 Applicants must clearly identify and justify the street hierarchy within their proposals, explaining how each street type fits within their overall plan. Accompanying illustrations provide insight into balancing place and movement. The street hierarchy would need to be appropriate to scale of the development and integrate with the surrounding street hierarchy and rights of way. Proposals that highlight where features of existing local streetscape identity have informed the design of new networks or show strategically improved access routes for cyclists and pedestrians will be supported. Submissions should include detailed cross sections for each street type within the development, annotated to demonstrate compliance with design principles.

4.6 The typical street hierarchy for a greenfield housing development might include:

- Primary Streets
- High Streets
- Secondary Streets
- Local Streets
- Tertiary Streets
- Town Promenades
- Linear Parks
- Green Routes

4.7 Considering both existing and potential new desire lines and strategically planning routes for all modes of travel is critical for enhancing connectivity and movement. This approach ensures that transport networks are efficient and intuitive as they align with natural pedestrian and cyclist behaviours and preferences. By anticipating and incorporating these paths, designers can facilitate smoother transitions between different areas, improve accessibility, and reduce congestion.

4.8 Applications must integrate with existing local transport and street hierarchies and support enhancements to rail and bus services to improve regional connectivity and safety.

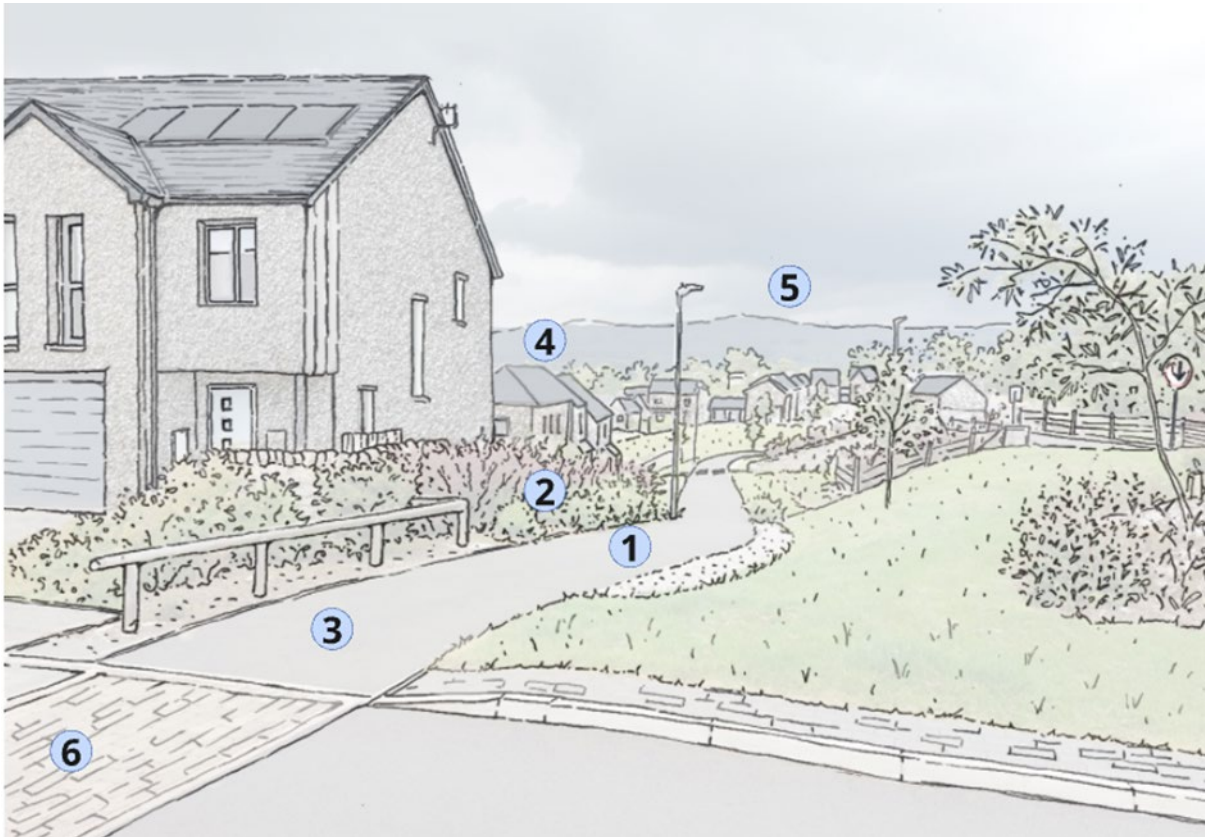
4.9 For further guidance on movement and street hierarchy, please see the Introduction and Chapter A: Road Hierarchy of the [Development Design Guide](#).

Public realm design in a greenfield residential development



1. Shared space to slow vehicle traffic and encourage active travel, play and social interaction
2. Building lines with active frontages facing the street
3. Mix of gardens and parking spaces to the front of houses
4. Vista out to the wider landscape
5. Retained and new walls and hedges form plot boundaries, screen driveways and add biodiversity
6. Retain existing trees and add more, softening the street, providing visual interest and biodiversity and connecting to the wider landscape
7. Rain gardens form part of a SuDS

Promoting active travel in new residential development



1. Accessible route on gentle gradient forming part of the green infrastructure network and hierarchy of routes in the site
2. Greenspaces incorporate SuDS components as well as offering amenity
3. Convenient off-road route for walking and wheeling
4. Route overlooked by houses providing passive surveillance and attractive outlook
5. View out to the surrounding countryside roots the development in its place and context
6. Informal crossing aligned with footpath

CODE GHL 4.2a Street Design: Street and movement designs must prioritise sustainable and healthy modes of travel such as walking, wheeling, cycling and public transport over private vehicles.

(Barrow: DS5, I4, DS2, HC1, HC4; Eden: DEV3, DEV5, ENV5; South Lakeland: CS1.1, CS10.2, DM1, AS08, CS8.10, DM2, DM5)

4.10 This can be achieved by:

- Designing networks that are safe, convenient and attractive for the pedestrian, wheeler and cyclist.

- Incorporating traffic calming measures like raised crossings, changes in materials or layout, textured pavements, and narrow roads to enhance safety and attentiveness.
- Adopting home zone (also known as woonerf) designs that slow traffic and put highway users on a more equal level.
- Considering the quickest and most convenient connections between homes, schools, shops, services, facilities and public transport. Access between homes and destinations should be intuitive and straightforward.
- Ensuring places and destinations have an adequate level of safe and convenient cycle parking, including parking and charging points for e-bikes.



This raised crossing with 'rumble' sets to either side provides a more level crossing for pedestrians and wheelers, slows down vehicles turning into the side streets, and helps to address the priority between motorists and other road users. It forms a coherent and attractive feature in the wider public realm which uses traditional and modern materials. Dalton.



To support cycling, destinations need cycle parking, as shown at this public realm scheme in Barrow.



This street is a cul-de-sac for motor vehicles, but a through route for pedestrians and cyclists via the opening between the large tree and hedge. This provides an alternative to following the highway network. Great Salkeld.



This footpath connects several streets in the site, providing an alternative route to the pavements. Kirkby Lonsdale.

CODE GHL 4.2b Street Design: Street and movement designs must cater to all users, regardless of age, mobility, or gender, ensuring that all potential users can easily access public transport, buildings, and open spaces.

(Barrow: DS5, I4, *DS2*, *HC1*, *HC4*; Eden: DEV3, DEV5, *ENV5*; South Lakeland: CS1.1, CS10.2, DM1, *AS08*, *CS8.10*, *DM2*, *DM5*)

4.11 This can be achieved by:

- Providing suitably wide pavements and shared spaces.
- Minimising level changes and steps, and incorporating stopping points along longer routes e.g. with seating.
- Highway design that avoids or discourages pavement parking or driveways crossing pavements.
- Designing in measures that reduce vehicle speeds, especially at crossings and junctions.
- Ensuring routes are convenient, attractive and safe, including being suitably lit and ensuring routes are well overlooked by other road users and buildings.



This shared space in Lazonby notionally has a pavement along the left-hand side, but the space is level and shared. This slows motor traffic by subtly making what is normally the carriageway shared by all.



This is the same concept as above, but with a narrower street space to achieve a more intimate space and higher density. The pavement on the left joins the shared street. This slows motorists down which in turn increases their awareness of other road users. Kirkby Lonsdale.



The use of shared drives means there is a long stretch of pavement without changes in level and driveways crossing it. Greystoke.



In rural areas, one suitably wide pavement is better than two narrow pavements, or none at all. Lamonby.



In this estate in Greystoke, footpaths either follow the road or provide shortcuts that are well-overlooked by houses.

CODE GH1 4.2c Street Design: Street and movement designs must ensure a permeable and well-connected street network with clear and logical through-routes that are easy to navigate.

(Barrow: DS5, I4, *DS2, HC1, HC4*; Eden: DEV3, DEV5, *ENV5*; South Lakeland: CS1.1, CS10.2, DM1, *AS08, CS8.10, DM2, DM5*)

4.12 This can be achieved by:

- Avoiding cul-de-sacs, dead ends and space given over to vehicle turning heads by making streets interconnect. This is particularly important for refuse collection and emergency service vehicles, which are best served by through streets rather than long cul-de-sacs or developments with only one way in and out by road.
- Ensuring off-road pedestrian and cycle routes are not concealed from view by high fences or otherwise in blind spots from the surrounding buildings and highway network. Routes that do not feel safe will be less used. The only instances where isolated off-road routes would be appropriate are active travel routes within green corridors or in the countryside.
- Providing on-street active travel routes as alternatives to off-road active travel routes and considering re-routing existing active travel routes if the new development can make routes more convenient and safer.
- Wayfinding and directional signage, including prominent buildings or public art as townscape markers and historic features of the site, with interpretation.
- Ensuring there are views out of the development into the wider townscape or landscape to aid navigation.

4.13 For further guidance, including technical information on highway visibility, the design of junctions, carriageway design, cycleway design, speed management and lighting, please refer to Chapters A to F and L and Appendix 4 of the [Development Design Guide](#).

CODE GH1 4.3 Active Travel: When developing active travel routes, use linear routes to create green corridors within developments, connecting to wider green infrastructure networks to support active travel and biodiversity.

(Barrow: DS5, I4, *DS2, HC1, HC4*; Eden: DEV3, DEV5, *ENV4*; South Lakeland: CS1.1, CS10.2, DM1, DM5, *DM2, DM4*)

4.14 Proposals should detail the location, type, and specifications for cycle parking and the surfacing of cycling and pedestrian routes. Developments incorporating active travel options within green corridors or ‘play on the way’ options will be viewed positively.

Street Network, Design and Character: what we don't want to see

- Layouts that prioritise the movement of motor vehicles and discourage all other forms of transport.
- Layouts that discourage active travel by making non-car routes indirect, inconvenient or unattractive to walkers, wheelers and cyclists. Especially where routes link homes to schools, services, facilities, public transport and shops.
- Development that is not well-integrated with existing routes, rights of way, green infrastructure and desire lines. 'One way in, one way out' estates will not be acceptable.
- Highway layouts that do not consider future development or extension of the settlement by not providing clear opportunities for route and highways linking with adjacent development sites or potential development sites.
- Road layouts and junctions that promote driving at high speed due to their design (e.g. wide roads, gentle bends, wide junctions with generous corner radii, lack of traffic calming).
- Street networks where every street and space is of the same design and lacks any sense of hierarchy, such as between through routes, main spaces, and quieter streets and spaces.
- Development that is hard to navigate because of a lack of landmarks, views out, or a clear hierarchy of streets and spaces.
- Over-engineered streets resulting in visual clutter and loss of rural character, e.g. 'mini pavements' for services and unnecessary kerbs.
- Layouts that incorporate carriageways and pavements where shared spaces would be safe.
- Crossings, dropped kerbs and spaces that are inconvenient to wheelers.
- Streets that promote pavement parking or parked cars obstructing the pavement.

4.15 Additional guidance and technical information relating to the above can be found in the [Development Design Guide](#).

Public Realm / Public Spaces

4.16 Public realm is the freely and publicly accessible space between buildings that supports public interaction: streets, footpaths, parks, and public open space. A well-designed public realm is not an afterthought but a carefully considered and often multifunctional space that fosters a sense of community from the largest squares to the smallest pocket parks. Well-designed public realm is safe, attractive, supports wellbeing and healthy lifestyles, and provides comfortable and welcoming shared external spaces.

Reflecting and creating village character through layout, orientation and design of buildings and multi-functional public realm.



1. Attractive public realm and play space incorporated into walking and wheeling routes through the neighbourhood. Use of landmark features aid navigation and dementia-friendliness of places.
2. Active frontages to homes overlook the routes and play area, encouraging interaction and surveillance.
3. Homes built at a density and layout that create strong but informal building lines. The space tapers out into the distance, providing a vista and sense of openness.
4. Variation of the orientation of homes suggests a village character.
5. Use of roughcast render and slate as a reference to the locality. This is complemented by the traditional built forms of the homes.
6. Mature trees retained, planting for amenity, biodiversity and SuDS.
7. Well-lit public realm supporting the creation of safe environments.

Achieving higher density and reflecting local character through layout and design of homes and public realm



1. Building lines and layout follow the settlement pattern and create human scale, intimate streets.
2. Layout creates interesting townscape and vistas, enhanced by street trees.
3. Forms and masses of the homes reference the vernacular cottages and houses locally.
4. Shared surface street for all with informal spaces for vehicle parking. Curtilage boundaries indicated in the paving to provide space for maintenance and outdoor plants.
5. Openings recessed in the elevation and following the traditional ratio of solid to void. Active frontages to the streets.
6. Use of locally distinctive materials – slate roofs and roughcast render walls.
7. Rain garden for intercepting highway runoff and softening the street scene.
8. Boundary features define public and private spaces.

Achieving High-Quality Public Realm

4.17 The key features of quality public realm are outlined to guide the development of vibrant, functional, and inclusive urban spaces.

Features of Well-Designed Public Realm

- Distinctive and rooted in local context: Respect and reflect the local context, including the cultural, historical, and environmental characteristics of the area. This helps create a space that feels authentic and rooted in its place. In large scale development, it is essential for the public realm to strengthen the identity of the place.
 - Using the assets of the site or shared public space. For example, the highpoint of the site for public realm or cycle routes along existing hedgerows.
 - Inclusivity: The design of public realm should be welcoming and considerate of diverse groups, offering a range of activities to cater for all ages and backgrounds. Streets, layouts and spaces that are easy to navigate and support independent living, including people with dementia.
 - Multifunctionality & Sociality: Have flexibility and provide opportunity for multifunctional use, considering how to incorporate play, recreation, activities and events, and considers how to improve social cohesion through design.
 - Connectivity: Public realm linked seamlessly with pathways, cycle routes, and public transport access.
 - Aesthetic Appeal: Use a clear and consistent materials palette to aid legibility, incorporate high quality and durable hard and soft landscaping, and use local materials.
 - Active: Public realm is either anchored by activity in the site (such as play, benches, or a cafe) or has its vitality supported by adjacent uses such as shops and businesses, riverside paths, cycleways and so on.
 - Durability and Materials Consistency: Public realm must use durable, consistent materials suitable for long-term aesthetic and functional demands, particularly in challenging environments like maritime areas. This ensures long-term aesthetic integrity and reduces maintenance requirements.
 - Accessible: Barrier free design with clear sightlines and permeability, successfully addressing changes in ground level, incorporating strategically placed wayfinding, signage and seating.
 - Signage & Wayfinding: Clear, strategic signage that adheres to national standards is crucial for guiding users and enhancing navigability, without contributing to street clutter. Place-specific and well-considered public art can provide focal points or points of interest, as well as aid navigation through a place.
 - Sustainability: Incorporate green infrastructure and introduce SuDS wherever possible including permeable surfaces.
 - Street Trees: Introduce appropriate scale and species tree planting, with appropriate tree pit design.
 - Lighting and Safety: Avoid unnecessary street clutter and opt for permeable appropriately-lit spaces that encourage natural surveillance.
- Seasonal: there are subtle changes over the year: blossom and bloom in spring, shade and suntraps in summer, new colours in autumn, openness and 'reveals' in winter as leaves have fallen away.



Langwathby village green is a defining space of the village and is its focal point.



Smaller spaces such as this one in Penrith can offer seasonal variety and interest within the built-up area.



This small area of public realm in Burton-in-Kendal has day-to-day use as informal parking, but its flexible design means it could easily be used on occasion for small community events or gatherings, and the cars park elsewhere.

CODE GHL 4.4 Public Space Network: Public spaces must form part of an overall network and hierarchy of spaces that responds to the context and place in a positive manner.

Public spaces must feature high-quality hard and/or soft landscaping that enhances biodiversity, climate resilience, and the overall experience of the public realm. This includes integrating native planting, green corridors, and using permeable surfaces wherever feasible.

Materials used in the public realm, such as paving and street furniture, must be durable, easy to maintain, and of high quality to ensure spaces remain attractive and functional over time.

Public spaces should be durable in their design and specification, and be appropriate to the local character, contributing to the aesthetic quality and sustainability of the public spaces.

(Barrow: BP13, DS5, *HC4*; Eden: DEV5, ENV1, *ENV2*; South Lakeland: AS05, DM1, DM5, *CS8.1*, *DM2*)

Public spaces within an example greenfield development



An example layout plan for the development of approximately one hundred homes, on greenfield land, which demonstrates consideration of the site and its context.

KEY

Existing	Proposed	
Town/Village centre	Screen planting	Footpath
Industrial areas	Open green space	Building frontages
Residential areas	SUDS features	Shared parking
Agricultural and green space	Views retained	Primary Townscape markers
Woodland / Mature trees	Primary road	Secondary Townscape markers
Existing path network	Secondary road	Community assets
Area of potential flood risk	Shared space	Public spaces

The Design Process

4.18 There are specific processes which inherently lead to better designed Public Realm. These processes are explored below:

Public Realm Hierarchy

- Major Park
- Civic Squares
- Neighbourhood Park
- Community Square
- Linear Park
- Pocket Park
- Corner Green

Movement based Public Realm Hierarchy

- Town Promenades
- Linear Parks
- Green Routes
- Streetscapes

Accessibility

4.19 Navigating between different external areas can be challenging, especially on steep sites or in complex locations where adhering strictly to regulations may not be physically feasible. When developing or regenerating existing sites, it is crucial to strive for enhanced accessibility wherever possible. For steep sites requiring new public or amenity areas, careful consideration should be given to their placement at the planning stage to ensure that public realm and amenity spaces are accessible from both outside and within the site. Additionally, following [Building Regulations Part M](#) ensures that access to buildings from public spaces must consistently provide fully compliant accessible routes.

Inclusivity & Multifunctionality

4.20 It is essential to thoughtfully design public spaces that are welcoming, inclusive, and adaptable to a variety of uses. These spaces should be multifunctional, catering to all generations, while also considering how to reduce the risk of crime and promote a sense of safety for everyone.

Inclusivity

4.21 Public spaces should foster inclusivity by providing meeting nodes and encouraging social interactions. Streets, town squares, village greens, and garden squares play a pivotal role in bringing people together, acting as community hubs that facilitate social bonds and interactions. For local streetscapes Home Zones create excellent opportunity for community integration.

CODE GHL 4.5 Public Space Design: Public spaces must be inclusive, attractive and encourage community interaction and social cohesion. These spaces should be well-defined, promoting safety and vibrancy through active frontages,

appropriate landscaping, and seating arrangements. Where appropriate, public spaces should be designed to be multifunctional and adaptable, to support a variety of community activities.

(Barrow: BP13, DS5, DS6, *HC4*; Eden: DEV5; South Lakeland: AS07, AS08, CS1.1, DM1, *CS8.1*, *CS8.10*, *DM2*)

4.22 Larger public spaces that form the focal points to development should be adaptable to different uses and events, supporting a wide range of activities throughout the day and across the seasons. This could include spaces for markets, performances, or informal gatherings, enhancing community life.

4.23 Proposals must clearly demonstrate how the design of public spaces caters to multifunctionality and inclusivity. Applicants should ensure new spaces are welcoming to all demographics, including children, elderly residents, and people with disabilities. The submission should include detailed plans showing the integration of features such as accessible walkways, varied seating options, and where relevant adaptable areas for different types of activities and events. With regards multifunctionality proposals that can provide this should describe how the spaces will facilitate various functions—such as leisure, social interactions, public gatherings, and cultural events—to foster vibrant community life. Submissions must align with local planning policies and should reference relevant guidelines and standards to support the proposed approaches to multifunctionality and inclusivity.

Public Space: what we don't want to see

- Development with an under-provision of public spaces and homes lacking convenient access to quality public spaces.
- Public spaces that do not serve the residents of the development: for example, an estate of family homes without adequate space for formal or informal play.
- A tokenistic approach to public space, such as having one large, inflexible space with no clear purpose, or siting public spaces at the margins or least accessible parts of the site.
- Streets and spaces that are not well overlooked by housing. Larger spaces should be a focal point of new developments.
- Development that classifies carriageways, habitats or SuDS as public spaces rather than incorporating public spaces.
- Public spaces that are not part of a network or do not integrate with the hierarchy of streets and spaces in the site and its context.
- Public spaces that are not designed for year-round use.
- Public spaces that are not durable and require overly frequent renewal and replacement of features and components.
- Public spaces that are awkward, difficult or resource-intensive to maintain.

Lighting & Safety

4.24 Well-designed and appropriately-lit public and amenity spaces not only enhance the sense of safety but can also reduce both crime and the fear of crime over time. Integrating active ground floors and accessible building entrances helps create a cohesive and connected environment, facilitating movement between spaces. The public realm should be designed to be overlooked by buildings, with excellent permeability between streets and diverse modes of movement throughout.

4.25 Effective lighting is crucial as it contributes significantly to people's sense of safety and shapes the overall perception of security in a neighbourhood. It is essential to choose lighting that is both functional and appropriate for maintaining the public realm, considering long-term management and potential adoption by the local authority.

CODE GH1 4.6 Lighting: Lighting in the public realm must be designed to ensure safety, visibility, and inclusiveness for all users whilst avoiding adverse impacts on biodiversity and residential amenity.

Effective lighting strategies should enhance natural surveillance and illuminate all areas sufficiently to discourage secluded zones where crime could occur. The integration of lighting should focus on crime prevention and mitigating the fear of crime, making the public spaces feel secure and always welcoming.

(Barrow: DS5, I4, C7, DS2, HC5; Eden: DEV5, ENV9; South Lakeland: DM1, DM2; [Development Design Guide](#); [Good Lighting Technical Advice Note: Designing Out Light Pollution in Cumbria, the Yorkshire Dales National Park and the Arnsdale and Silverdale AONB](#))

4.26 Proposals must include a detailed lighting scheme that specifies the location and characteristics of all fixtures. The lighting design should integrate seamlessly with the overall design strategy, enhancing the usability and aesthetics of public spaces. It must be carefully designed to minimise the impact on biodiversity.

4.27 For further guidance on safety and security refer to [National Model Design Code](#) and [Secured by Design initiative](#).

CODE GH1 4.7 Light Pollution: Lighting in streets, the public realm and buildings must preserve dark skies and minimise or avoid light pollution.

(Barrow: DS5, H7, I4, C7, DS2, HC5; Eden: DEV5, ENV3, ENV9; South Lakeland: AS01, AS02, DM7, DM2; *Good Lighting Technical Advice Note*)

4.28 According to the CPRE Night Blight 2026, Westmorland & Furness has very high coverage of the darkest skies in the UK. Lighting designs should respect Dark Sky guidelines to minimise light pollution. A range of lighting options, including ground-focused downlighting and dotted lighting along cycle paths, can improve safety and add visual appeal while being environmentally friendly by minimising light spill and reducing light pollution.

4.29 Compliance with both local and national regulations is essential, as is consideration of the Dark Skies initiative to reduce light pollution. Proposals should be informed by the useful best practice advice and detailed technical guidance within the [Good Lighting Technical Advice Note: Designing Out Light Pollution in Cumbria, the Yorkshire Dales National Park and the Arnsdale and Silverdale AONB](#).

Lighting: what we don't want to see

- Light which is directed upwards.
- Light pollution that is either a nuisance to others or undermines the district's dark skies.
- Light pollution that impacts protected species, especially where bat roosts are present on or in the vicinity of the site.

Car Parking

4.30 Most households who occupy new homes own at least one car and therefore thought must be given to how and where cars are parked. Consideration must also be given to the needs of people with disabilities, visitor parking, and Electric Vehicle (EV) charging.

4.31 Chapter J of the Development Design Guide is a key reference, as this sets out important guidance and technical requirements for the design of new car parking in new residential developments. Appendix 1 of the same guide is also a key reference that sets out the numbers of parking spaces required for new homes and other building and land uses.

4.32 This section of the design code therefore concerns **how** car parking is to be designed into places and meets the needs of different people.

CODE GHL 4.8 Car Parking: Car parking provision must align with the [Development Design Guide](#) and successfully integrate car parking provision into the design of attractive, distinctive and well-functioning places.

(Barrow: DS5, H7, I6, BP2, HC4; Eden: DEV5; South Lakeland: CS1.1, CS10.2, DM1, CS8.10, DM9)

4.33 Considerations during the design process for parking:

General

- Consider the minimum requirements established by Chapter J and [Appendix 1](#) of the [Development Design Guide](#) for car parking in housing developments.
- In areas well-served by public transport, with strong walking and cycling links to local destinations, consider reducing car parking provision to enhance the overall design of the development by providing more space for other road users, buildings or spaces. Utilise Public Transport Accessibility Levels and/or isochrone analyses for walking and cycling to identify where reduced parking might be suitable.

- Consider whether the site should accommodate spaces for car sharing schemes.

Street Scene

- Promote clear lines of vision along streets and from the front windows of houses by placing parking spaces to the side or rear of houses, and having meaningful gaps between areas of on-street parking or parking in front of buildings. In-curtilage parking spaces directly in front of windows and doors should be avoided. Spaces directly in front of windows and doors should be avoided.
- Incorporate a variety of parking solutions, such as on-plot parking, on-street parking, and shared parking areas, to create places with different streets and spaces where cars do not dominate the street scene, townscape or landscape.
- Make parking an integral feature of the building line and level of enclosure of the street. Parking spaces between neighbouring buildings can ensure gaps between buildings are wide, while having parking in the street or behind homes can allow for terraces or continuous built forms.
- Implement effective physical barriers along the kerb, such as planting beds, Sustainable Drainage Systems (SuDS) features, bollards, or street trees, to prevent parking on pavements.
- Design streets to naturally discourage unplanned on-street parking and support this with clearly enforced parking restrictions.
- Street trees should be thoughtfully placed on median strips, verges, between parking bays, or on sufficiently wide pavements, ensuring they do not obstruct infrastructure.

Function

- Consider the width of parking spaces: is there sufficient space for vehicle doors to fully open? Is there room for small children, the elderly or disabled to be assisted getting into and out of vehicles? Are meter boxes, downpipes or similar going to impinge this space?
- Consider the views out of homes, especially given van and motorhome ownership is increasingly common. Windows should not be obstructed by vehicles parked within the curtilage, nor should the outlooks of principal rooms be expanses of parking.
- Avoid the use of continuous front curtilage parking. Where front curtilage parking is necessary, include meaningful landscaping or front gardens to mitigate the visual impact of parked cars on the street scene.

Appearance and Layout

- Consider the use of 'informal' spaces for parking cars rather than having formal driveways or marked out parking spaces. These work well in most contexts because they look less like empty parking spaces when empty,

- Consider the use of small, secure, well-overlooked courtyard parking where the individual spaces for each home are close to the home itself.
- The design of courtyard and other communal parking should avoid layouts with large uninterrupted expanses of parking and hard surfaces. This provides a poor outlook to dwellings and creates a harsher microclimate in hot weather.
- Ensure that garages, whether integrated or detached, are not in front of the front elevation of the homes, to prevent garages from dominating the streetscape.
- Ensure the design and siting of garages and car ports reinforces the built form and character of a place rather than dilutes it.



This small courtyard of parking is picked out in a different surfacing material. It keeps the adjacent street free of parked cars and pavement parking. Grange-over-Sands.



In the same development as the photo above, a concealed courtyard is another means of keeping the street free of parked cars. This in turn enables the street to be more traditional in its width and proportions. Grange-over-Sands.



A shared drive that places cars behind the building line and gardens upholds the village character of Great Salkeld.



Although this development predates cars, the simplicity of the shared surface and informal provision of parking makes the space very uncluttered. Kendal.



No driveways or parked cars in sight, as they are all in a rear courtyard behind the private rear gardens of these houses. This allows for a much more meaningful connection between the houses and the landscaping. Kirkby Lonsdale.



Here at Low Hesket, a shared drive leads to the parking and garage for each house. This leaves spaces between the houses and road fully for garden space, which helps to uphold the village character.



A single drive leading to each house's parking spaces means that the street is fronted by a hedge rather than a row of parked cars. Newton Reigny.



Each house has a driveway to the front, but the longer gardens to the nearest houses screen and reduce the visual impact of parked cars on the street scene. The overall effect is that the gardens dominate the view rather than the drives and cars. Ulverston.

4.34 Electric vehicle charging points should be suitably designed into schemes.

4.35 The Council's [Electric Vehicle Strategy](#) sets out the strategy and practical steps for increasing the provision of EV charging in the district. EV charging provision should be:

- Convenient for the occupiers of dwellings to use and for servicing and replacement.
- Be discretely located rather than be an afterthought that clutters elevations, especially given they are a source of light pollution.
- Be provided for allocated spaces that are not in the curtilage of the home in a manner that does not clutter the street and avoids the running of cables over pavements and carriageways.

Car Parking: what we don't want to see

- Streets that are dominated by parked cars
- Views from principal rooms and homes that are dominated by parked cars
- Windows obscured by cars, vans or motorhomes parked within the curtilage.
- A lack of variety in parking design across an entire site or street.
- Pavement parking and antisocial parking.

- Parking spaces that are too small to properly function by having insufficient space for car vehicle doors to be fully swung open, or for the very young, elderly or disabled to be helped into and out of vehicles.
- Streets dominated by garages that break forward of the building line.
- Garages that dominate the front elevations of homes.
- Landscaping and trees that are relegated to the margins of parking spaces.
- EV points that clutter building elevations.
- EV charger cables that foul pavements or streets.

Adaptability of Streets and Public Spaces for Public Adoption

4.36 Designs should anticipate adoption by local authorities, selecting plants and materials that are low maintenance and compatible with municipal practices, ensuring the spaces are manageable and sustainable.

4.37 Effective coordination with the community and specialists like landscape architects, civil engineers, urban designers, historic environment specialists and traffic and active travel specialists is essential to integrate all public realm elements seamlessly. Designs should aim for adoption by the local authority by choosing durable, low-maintenance materials and landscaping compatible with local practices, considering the interface between streetscape and public realm carefully.

4.38 Proposals for new or altered streets or public realm must include detailed plans that demonstrate adherence to the key indicators of quality public realm as outlined in the design code.

4.39 Aside from demonstrating these, plans must detail specifications for durable and appropriate material palettes for both hard and soft landscaping, street furniture, and appropriate and strategic signage. Additionally, developers must highlight how the proposed public spaces are designed for easy adoption by the local authority, ensuring sustainability and manageability.

4.40 All submissions must align with local standards and planning policies and should reference relevant sections of the design code to confirm compliance with established guidelines and expectations. Where relevant, public realm proposals should clearly show how they are compliant when requiring local authority adoption, showing how specific design standards such as specifications, strategies, dimensions, layout, and the use of appropriate materials have been met.

4.41 The [Development Design Guide](#) sets out requirements for public realm and landscaping to be adopted by the local authority.

5. Built Form

Introduction

5.1 Built Form describes the relationship or pattern of buildings and open spaces in settlements. The [National Design Guide](#) defines Built Form as the “three-dimensional pattern or arrangement of development blocks, streets, buildings and open spaces. It is the interrelationship between all these elements that creates an attractive place to live, work and visit, rather than their individual characteristics. Together they provide the framework for the character and sense of place of the built environment.”

5.2 An area’s built form therefore concerns elements such as the urban grain, buildings’ shape and massing, scale, density, building line, height and other ways in which the layout and shape of the built environment can influence a place’s character. New development should respond positively to local character and distinctiveness. This is achieved through appropriate height, massing, design, layout and materials.

Building Types and Forms

CODE GHL 5.1 Urban Grain: Applicants must identify the urban grain of the area surrounding their site as a key part in understanding the surrounding context and ensure the design of new development makes a positive response to ‘knit into’ the urban grain of the surroundings or settlement by respecting its character.

(Barrow: DS5, H7, *H9*; Eden: DEV5, ENV3, LS1, *ENV2*; South Lakeland: AS01, AS08, CS1.1, DM1, CS6.6, *DM2*)

5.3 The **urban grain** is the pattern, arrangement and scale of buildings, streets and plots within a place or area. Understanding the urban grain is essential for ensuring that new development knits into the surrounding environment, respecting the established rhythm, scale, and density of the area. This assessment should inform the design approach, guiding decisions on building types and forms to create a cohesive and contextually appropriate development.

5.4 New development should 'knit into' the existing urban grain by respecting its character. Specifically:

- Finer urban grains of smaller building footprints and higher densities should be reserved for infill development within town centres and villages with existing fine grain.
- Looser urban grains with larger gaps between dwellings should be used in suburban and settlement edge locations.
- Scattered urban grains should be used where large plots and relaxed patterns persist.

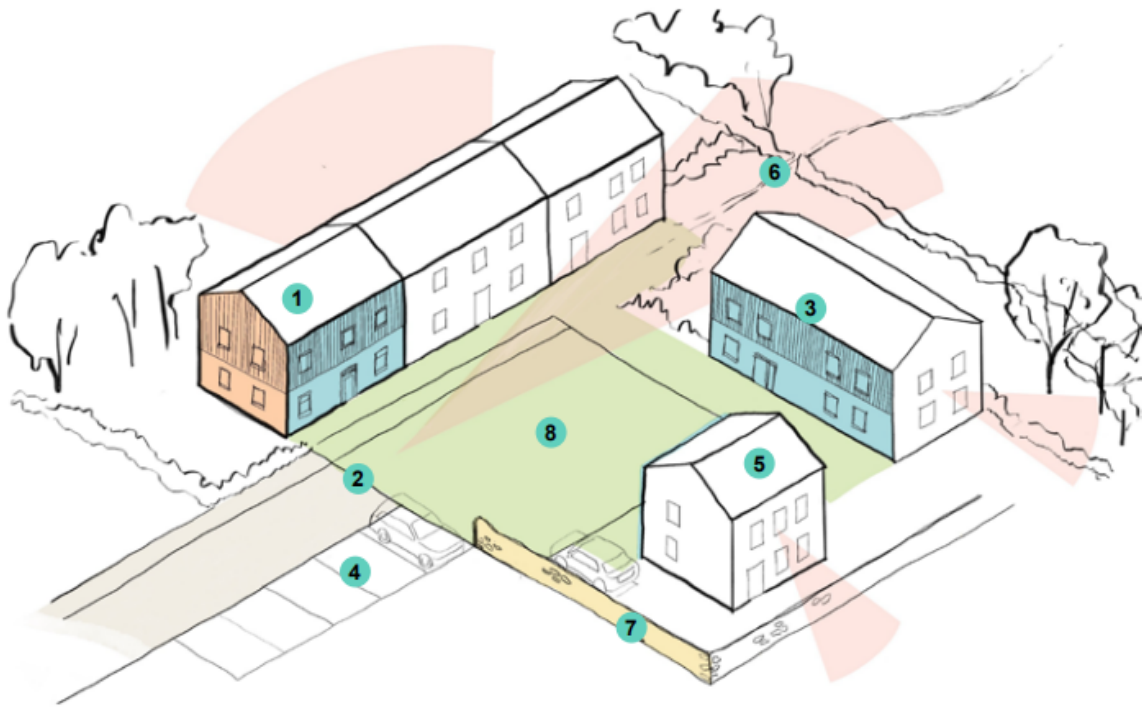
- On larger sites, the urban grain can be varied to respond to different urban grains of the site's context. In other cases, a variety in grain across the site may be required to as a consequence of the variety in dwelling type and density.

The consideration of built form for greenfield developments



Built form elements to consider include:

- The density of existing development
- The grain and layout of surrounding built areas
- The character of spaces created by the arrangement of buildings
- Areas for car parking, and ways in which this could be less dominant in the streetscape
- The style of existing housing e.g. terraces, townhouses, farmsteads
- Materials used for existing buildings, boundaries and surfaces
- How to accommodate car parking and private gardens whilst maintaining active and attractive streets

Building mix, orientation, and layout

Within the site, houses should be arranged to carry through the design principles of the Layout plan, which itself is informed by the site analysis and context study.

- 1 Townscape marker building, reflecting the existing vernacular
- 2 Creating a spatial hierarchy, moving from secondary street to a shared space
- 3 Frontages presenting onto the shared space,
- 4 Parking cluster, to provide some residents and visitors parking, reducing the dominance of cars to the front of the house
- 5 Variation of housing types, creating characterful places
- 6 Views to the surrounding landscape
- 7 Boundary treatments in a locally appropriate style and material
- 8 Shared space as a focal point to the cluster. Simple in design but using high quality materials

5.5 New housing development of the scale in this section of the design code should incorporate a mix of building types and forms to create a dynamic, diverse and engaging environment.

- A varied urban grain, characterised by a mix of building types (e.g., terraced houses, semi-detached homes, apartments) and forms (e.g., height, footprint, orientation), should be promoted to enrich the character and identity of neighbourhoods.
- The variety of building types should meet different needs and preferences within the community and, therefore, be informed by the relevant housing market assessment and prevailing policy on housing mix.
- Building forms should be adapted to suit different site conditions or locations, e.g. varying topography or proximity to public transport.
- Where possible, different uses should be incorporated in the design, such as residential, commercial or mixed-use, to better integrate with the surrounding urban fabric.
- Building types should support a sustainable and functional place by promoting energy efficiency, natural lighting and ventilation, contributing to the overall sustainability of the development.
- Dwellings and built forms must have adequate space around them for access for future maintenance of roofs, eaves, rainwater goods, windows and so on. This is rarely achievable with narrow spaces between neighbouring dwellings and buildings.

5.6 Additional guidance for identifying building types and forms can be found in the [National Design Guide](#). Homes England's [Building for a Healthy Life](#) provides guidance on how to apply best practice when designing various urban grains.



In this row in Ulverston, the grain is the width of each house or building. The grain varies from being quite narrow house widths on the left to wider buildings and plots to the right. There is therefore a different rhythm plot width, building shapes, openings, elevation layout and chimney positions across the row.



A uniform grain in this recent development in Temple Sowerby. Each semi-detached house is the same width, with an even amount of space between each pair. This uniformity of grain is reinforced by the repeated rhythm of paired porches, and window and door openings.



In this long terrace in Barrow, the design of the right-hand pair of houses is repeated seven more times across the row. This gives a uniform rhythm of chimneys, gables, windows, bay windows and porches, with interest added by the row gradually stepping down the slope.



Although this building is one large block of apartments, it mimics the grain of Kendal town centre by looking like a row of five different buildings, with changes in height, setback, roof shape, facing materials, window proportion and window layout. At a glance it looks like a traditional terrace made up of different buildings.



The design of this new estate understands the grain of traditional cottages and small houses in and around Kirkby Lonsdale. Although the houses themselves are modern and not pastiche, their grains and rhythms bring to mind groups of traditional buildings.

Blocks

5.7 Blocks concern how buildings line up alongside the street, the distance(s) buildings are set back from the street and the spacing between neighbouring and facing buildings.

5.8 Blocks are the fundamental units of urban grain. They are composed of one or more buildings and the surrounding spaces such as streets, gardens and courtyards, may vary in size and form, from large single-use developments to smaller, mixed-use arrangements. The design of blocks significantly influences the pattern, scale, rhythm and permeability of built-up areas.

5.9 The design of blocks should reinforce the local character and identity of the area, contributing to a distinctive and memorable urban environment. Blocks must integrate with the surrounding urban grain and reflect its scale, density and layout.

- Blocks should enhance the unique qualities of the neighbourhood, whether through preserving historic patterns or introducing innovative designs that respect the existing context.
- Blocks must be designed to balance public and private spaces, ensuring that both are functional, accessible and contribute to the overall quality of the place. Public and private spaces should be clearly defined, with buildings fronting onto streets to promote natural surveillance and create a sense of enclosure. Private spaces, such as gardens and courtyards, should offer privacy and tranquillity while contributing to the green infrastructure of the development.
- Blocks should be designed to promote pedestrian movement and reduce car dependency, with a focus on walkability and ease of access to amenities, green spaces and public transport.
- Blocks should incorporate flexibility to accommodate a range of uses and adapt to future needs. Mixed-use blocks can integrate residential, commercial and community spaces.
- Blocks should be designed to optimise energy efficiency, natural lighting and ventilation. The orientation of buildings and the arrangement of open spaces should be considered to enhance environmental performance.
- Where it reflects local building patterns and local character, blocks must be oriented to provide, assertive settlement edges, frame or open up waterside frontages or highlight other landscape features. In cases where an abrupt edge is considered, it should only be applied where it reflects the local character or complements the surrounding environment.



The historic core of Barrow is largely made up of urban blocks that give it a consistent and distinctive character. In this photo the block runs parallel to both streets, with only slight changes in building line. This provides a strong and hard edge to the street.



These houses in Armathwaite effectively form a block. The houses' front elevation and gardens face both streets, with private rear garden spaces to the rear. It is very similar to the example above but using separate detached buildings rather than one large building.

Building Line

CODE GHL 5.2 Building Line: Informed by site context assessments, new development must respond positively to the uniformity or variance of the building line that they form part of. New developments must reinforce the degree to which plot widths are occupied by buildings in the surrounding context.

(Barrow: DS5, H7, *H9*; Eden: DEV5, LS1; South Lakeland: AS01, AS08, CS1.1, CS6.6, DM1, *CS8.10*, *DM2*)

5.10 The building line is the space or setback between the buildings and the street. It contributes to the character of the area by making spaces feel ‘open’ due to the building lines on both sides of a street being set back some distance from the street. Building lines can make streets feel enclosed by building lines following or being very close to the street edge.

5.11 The urban grain should be assessed to determine appropriate building lines that enhance the character, appearance and functionality of the streetscape. Building lines should complement and enhance the existing built-up area, reinforcing the area’s sense of place.

- The building line should respond to the surrounding urban context and the character of the street.
- Uniform setbacks should be avoided and variety sought on larger sites.
- Set back distances not dictated by parking dimensions or other standard requirements alone.
- A varied setback can create a more dynamic street space that better responds to the context. Variations in the building line can break up the monotony of the streetscape and create a more engaging and visually interesting urban environment. For example, by staggering building fronts, incorporating recessed or projecting elements and varying setback depths can help to create a diverse streetscape.
- These variations should be utilised to frame or reveal important landscape views, adding layers of visual interest and creating dynamic street spaces that connect residents and visitors to the surrounding environment.
- Varied building setbacks can be used to strategically manage the enclosure of street spaces, enhancing the pedestrian experience and the overall public realm. By mixing open and enclosed areas along the street can create a richer and more engaging pedestrian environment.
- While flexibility in setbacks can be advantageous on larger sites, on smaller sites, uniform setbacks can contribute to a sense of place, making the environment more welcoming and visually coherent.

5.12 Building lines should be coordinated with the hierarchy of spaces in a development, and landscaping elements to create a balanced and appealing streetscape that integrates the built environment with natural features. Building lines should align with trees, hedges, public spaces and views out of the development or townscape to soften the street scene and create a human-scale and pedestrian-friendly streetscape. Deviations from the common building line and level of enclosure may be worthwhile where key features of the built or natural environment can be amplified, protected or their amenity enhanced, for example:

- Where a tree interrupts the existing building line;

- Where a new public space can be created;
- Where emphasis of marker buildings is desired at key intersections and gateways;
- Where the setting of a listed or locally important building should be preserved; or
- Where a key view is to be framed and celebrated.



This row of houses in Motherby has a clear building line. The roof ridges, eaves, and elevations all form a straight line from left to right.



The retained hedgerow and tree line soften the edge of this housing development where it adjoins the countryside – even when the hedges and trees are not in leaf. Kendal.



The soft edge where the fields meet the village create an attractive edge to Greystoke. This border of structure planting complements the high tree line of the horizon, creating the effect that the settlement is sandwiched between two strong rows of structure planting.



These homes at Langwathby are all lined up to form a building line, but with each house having different features set forward and recessed backward and having different designs, the building line is less pronounced.



A staggered building line that sweeps around the corner in stages before breaking forward at the far right. This irregular building line helps to break up the mass of a large apartment block in Kendal.



A regular building line of semi-detached houses in Newbiggin. The building line is echoed by the line of the hedges and walls, the verges, pavement and kerb line.



An irregular pair of building lines in Burton-in-Kendal that add interest to the street. Buildings step forward and backward from the street, while other buildings are oriented, so they splay slightly from the line of the street. This gives the village core an organic character.



Further up the same street, buildings are possibly oriented for sunlight rather than to face the street, so the building line is a jagged sawtooth-like line with a splayed space between each building and the carriageway. Burton-in-Kendal.

Height

CODE GHL 5.3 Building Height: The height of new buildings must be informed by the context assessment and any historic environment assessment which will identify prevailing building height(s) and the variety of building heights in the site's context.

(Barrow: DS5, H7; Eden: DEV5, LS1; South Lakeland: AS01, AS08, CS1.1, DM1, *DM2*, *DM3*)

5.13 Building heights must be informed by an assessment of the surrounding area, ensuring that new developments reflect the existing variety of heights to better integrate with their surroundings and contribute to the overall character and appeal of the area.

5.14 Uniform heights can result in monotonous developments, particularly in an area with landscapes and places as diverse as Westmorland and Furness. The building height should be adapted to site-specific conditions to encourage variety and maintain the character of the area.

- Building heights should respond to the hierarchy of streets and spaces in a proposal. For example, a main street or larger or wider space is generally the appropriate location for taller buildings to help enclose these larger spaces. Similarly changes in building heights may help the transition between the existing townscape and landscape context into the heart of the site.
- Variations in both eaves heights and overall building heights will help break up the uniformity of the streetscape, contributing to a richer urban fabric. Staggered rooflines can be introduced to create visual interest and diversity.
- Building heights should respond to the natural topography of the site. On sloped or uneven terrain, buildings should be designed with stepped or terraced forms that enhance overall visual appeal and better integrate with the landscape.
- Varied building heights can provide distinct landscape or townscape advantages, such as enhancing the visual impact of a settlement edge or creating a more diverse waterside frontage.
- In some instances, lower building height or varied building heights will be sought where this maintains views out from the site to the surrounding landscape or seascape.
- Drawings showing the elevations of streets or groups of homes should be used to show visual harmony between neighbouring buildings or dwellings rather than incongruity.



Uniform roof heights in Kendal, but made more lively by the vertical accents of the chimneys and the slightly taller corner buildings containing shops. Views of the wooded backdrop and castle provide added interest.



This taller block compared to the surrounding two storey houses acts as a gateway building to the estate and adjoins one of its largest open spaces. In this context the height makes sense in urban design terms. Penrith.



These three storey houses have a counterpoint in the tall tree line and broad green space on the opposite side of the street. In this context, lower houses would not form a strong foil to the vegetation. Kirkby Lonsdale.



Here, there is a composition of different heights. The central pairs of tall gable-fronted houses are book-ended by two lower broader houses that continue the sweeping building line. Kendal.



The changes in building height, but also the proportions of features and sloping landform give this street scene plenty of vertical accents. Grange-over-Sands.

Density

CODE GHL 5.4 Development Density: Higher densities for new housing will be sought in more accessible locations. Variations in density will be supported on larger sites to create a hierarchy of streets and spaces, to respond to constraints or to make use of specific opportunities presented by the site.

Higher densities are sought where this will support integration with the site's surroundings and context areas. New housing must aim to 'knit into' the existing urban grain by respecting its density and how this influences the character of streets and spaces.

(Barrow: DS5, H7, *BP2*, *H9*; Eden: DEV5, LS1; South Lakeland: AS01, AS08, CS1.1, CS6.6, DM1, *DM2*)

5.15 Applicants must conduct a comprehensive analysis of the site and its context. From this analysis, densities should respond to the specific characteristics of the site's context to ensure that developments are well-integrated into their surroundings and enhance the unique identity of each location.

5.16 However, to support a range of social, economic and environmental outcomes, applicants must be able to show that they have achieved an efficient use of land and achieved suitably high densities, particularly in more urban areas, whilst

in alignment with the surrounding context – for example by minimising space for vehicles, and increasing density around shops, services and public transport nodes.

5.17 In rural locations and settlement edge locations, density will be a key factor in how successfully new development integrates with its context. In these locations the response to character and context will often take precedence over considerations of density.

Density and placemaking:

- Applicants should consider diversifying dwelling types and sizes to meet minimum density requirements. Uniform approaches, where every home includes a private garden and in-curtilage parking, can restrict design potential. By integrating well-designed communal spaces and shared parking solutions, more creative layout options can be explored, enhancing new development and the surrounding environment.
- Varying density across housing sites can allow for a more contextually appropriate and interesting place, support the provision of a mix of homes whilst still achieving appropriate densities and the efficient use of land. By varying densities based on the unique attributes of each site, new development can be better integrated with their surroundings, creating cohesive and vibrant places.
- Variation should also extend to housing types and sizes. This can support the provision of housing that is better integrated with their surroundings whilst also securing high densities on site. Flats and houses, mixed together with larger properties, can support the creation of more sustainable local communities and the delivery of higher densities.
- Variation should also extend to the delivery of similar housing types. More options are available for mixed density and alternative layouts where homes do not all conform to the same designs and provisions. Parking, garages, private gardens and communal open spaces may all be delivered in non-uniform ways to support visual amenity, character and allow for a mix of densities and higher densities.
- Strategic density allocation: Density should be increased where it is supported by proximity to amenities, public transport and services. It may be reduced in areas where lower densities are necessary to preserve local character or natural features.
- Integration of natural and built features: Density should be adjusted to accommodate and emphasise important existing natural elements such as trees, waterways, slopes and views out of the development, ensuring their preservation and integration into the design.
- Mixed-use development: In areas with higher density, residential uses above commercial premises should be encouraged to foster a lively mixed-use environment.

CODE GHL 5.5 Housing Suitability: In rural areas, or sites outside of settlement boundaries (and/or in Eden's [Smaller Villages and Hamlets](#)) housing should be of a scale and style appropriate to its immediate surroundings and the function of the settlement or area.

In Eden, the resultant dwellings must not contain more than 150m² gross internal floorspace.

(Barrow: DS5, H9; Eden: DEV5, HS2, LS1; South Lakeland: CS6.6)

Townscape design for greenfield development



Townscape elements to consider include:

- Active frontages to foster interaction and activity
- Response to any landmarks or features of the existing settlement and landscape
- Secondary 'landmark' buildings, which require particular attention to building design due to their positioning
- Public spaces (e.g. playgrounds, pocket parks)

Contextually tailoring density:

- Preserve the local character: densities should reflect the surrounding built environment, natural features and topography to maintain the distinctive character of the area.
- Enhance the identity of a community: densities should strengthen the sense of place, making new developments resonate with the local history, culture and visual aesthetics.
- Promote design diversity: a standardised approach to densities should be avoided to encourage spatial and architectural diversity and more characterful places.

Built Form: what we don't want to see:

- An approach to built form, grain building height, density, set back distances, building lines and the spacing of buildings that is not informed by the site and context assessments.
- Development that lacks a clear hierarchy of built forms, densities and building heights.
- Development that does not have landmarks or townscape markers or has poorly designed gateways and edges.
- Development that is monotonous because it is uniform or has very limited variation in its grain, height, density, form, setback distances, building lines, built forms and spacing of buildings.
- Development that repeats or extends poor or inappropriate aspects of the existing context's component of built form.
- Built form that dilutes rather than reinforces the local character.
- Changes in building height that are jarring or incongruous and exaggerate differences in height. For example, a three-storey townhouse close to a bungalow may appear jarring, and this could be exaggerated further by changes in ground level.

Accessibility

CODE GHL 5.6 Accessibility: Applicants must show how proposed new homes comply with the optional Building Regulation (BR) requirement M4(2) in the proportion required by the relevant legacy local plan.

South Lakeland: all new housing must comply with BR M4(2) and in some cases M4(3) (Accessible and adaptable dwellings).

Eden: 20% of new housing on sites of 10 or more new homes must comply with BR M4(2).

Barrow: all new housing must achieve BR M4(1).

(Barrow: DS5, BP2, HC4, H12; Eden: DEV5, HS5; South Lakeland: DM11, DM2)

5.18 New homes must be accessible, both within the home and in public spaces, communal areas and pedestrian routes, ensuring that the entire environment is inclusive and navigable for all.

- New homes should be designed to accommodate the needs of all residents and visitors, particularly the elderly and those with disabilities.
- Homes should be future-proof and therefore designed with adaptability in mind. Flexibility in design will allow for seamless transitions as residents' needs change, reducing the need for costly renovations or relocations and supporting independent living.
- Developers are encouraged to integrate a mix of housing types, which includes retirement accommodation and residential care homes, into wider residential projects, creating mixed-use neighbourhoods that cater to a range of age groups and accessibility needs.

Light, Aspect, Privacy

5.19 The home environment plays a pivotal role in shaping the health and wellbeing of individuals and communities. A well-designed home not only provides shelter but also supports the physical, mental and emotional health of its occupants. It also supports residents to live sustainably and avoid using unnecessary energy to provide heating and cooling.

5.20 Ensuring that homes are designed with health and wellbeing in mind is crucial for creating environments where residents can thrive. New development can improve or hinder the character of surrounding spaces and their lighting and ambience. New development must incorporate in to designs a consideration of others around it and ensure that excessive lighting of the surroundings is avoided.

5.21 This approach is key to building resilient and vibrant communities where people can lead healthy, fulfilling lives.

5.22 Applicants should demonstrate what measures have been taken to enhance the health and wellbeing of residents in new developments.

- New dwellings should be oriented and designed to maximise opportunities for natural light and ventilation to enhance the quality of life for residents. Strategically placed windows and well-considered room layouts will help to ensure that spaces receive ample daylight.
- The design of dwellings should favour dual aspect layouts which allow for better light distribution and cross-ventilation. This approach enhances the living conditions and comfort within the home and avoids the need for artificial climate control systems. Single aspect, north facing dwellings should be avoided because of their poor natural lighting and limited sunlight exposure.
- The internal layout of homes should minimise noise transmission between rooms, with bedrooms and private living areas placed away from noise sources like roads or communal spaces.

- New developments must be carefully designed to ensure they do not negatively impact neighbouring properties. Maintaining adequate separation distances between buildings is essential for preserving privacy and avoiding overshadowing. These distances should be determined by the local context to ensure that new developments integrate seamlessly with their surroundings, and they should follow the Building Research Establishment (BRE)'s [Site layout for daylight and sunlight guidance](#) to provide a high-quality living environment.
- Thoughtful design strategies should be employed to mitigate adverse impacts on daylight, views and privacy to reduce overlooking of private amenity space and enhance the overall living environment. For example, consider using staggered building lines, screening elements and taking care over strategic window placement.
- In new buildings, energy-efficient glazing should be used to maximise light penetration while maintaining thermal efficiency and reducing the need for artificial lighting.

Security

CODE GHL 5.7 Security and Safety: Applicants must ensure that public and communal spaces, building, streets and paths are directly overlooked through natural surveillance and ensure there is clear and obvious demarcation between public and private spaces utilising appropriate physical boundary treatments or landscaping elements. Buildings should directly address streets and routes by avoiding presentation of blank frontages or gables.

(Barrow: DS5, I4, DS2, HC5; Eden: DEV5; South Lakeland: CS10.2, DM1, DM5, DM2)

5.23 Design must ensure that people feel safe both inside their homes and in the surrounding areas. A careful design should consider how each home interacts with its neighbours through a strategic layout, effective boundary treatments, natural surveillance and well-planned parking to create a secure and welcoming environment. Developments should also be designed to promote social interaction among residents as this can lead to a stronger sense of community and foster wellbeing and security. More guidance can be found in the national [‘Secured by Design’ guides](#).

- The design of buildings should enable passive surveillance from the front of the plot and the street. This means windows and main entrances should face public areas to enable residents to overlook their surroundings.
- Trees, shrubs and other planting should be selected and maintained to ensure they do not obstruct sightlines.
- Main entrances should face the street to maximise visibility and discourage hidden areas. Focal lighting should emphasise these areas to make them clearly visible and welcoming.

- A clearly defined defensible space or a front garden should be introduced in order to separate public and private areas. This will not only enhance security but will also encourage community interaction by providing spaces where residents can engage with one another while maintaining a clear boundary between public and private space. Such spaces can be achieved through low boundary walls, landscape features or even a change in pavement types.
- Avoid routes and public spaces that are bounded by tall fences that conceal the route or space from sight of the homes and buildings. This makes the routes and spaces feel unsafe and uninviting.
- Private gardens or other highly enclosed spaces should be located at the rear of properties. Fences can be used in order to maintain a sense of privacy, and they should be constructed using robust materials. These spaces should not be located adjacent to highways or public spaces to avoid undermining the principles of passive surveillance.
- Leftover or residual spaces between houses that lack clear purpose or visibility should be avoided. Careful planning is essential to ensure all parts of the development are purposeful, visible and contribute to the safety and attractiveness of the community.
- Secure car and bike parking should be provided in locations that are visible from within the home.
- Developments should include appropriate and non-obstructive lighting to enhance security, while avoiding light pollution. Lighting should cover streets, pathways and key areas without creating shadows or glare, ensuring that residents feel safe moving around the development at all times.

Accessibility, Light, Aspect, Privacy and Security: what we don't want to see

- Development that does not feel safe or encourages the fear of crime.
- Public spaces, streets and routes that are poorly overlooked by buildings or other people.
- Developments that do not consider the access needs of all of their users and potential users.
- Private gardens that are overlooked by buildings or public spaces and gardens that border public spaces.
- 'Left over' or non-defensible spaces that can attract antisocial behaviour
- Buildings that turn their backs on streets, spaces and routes.
- Concealed entrances to buildings.
- Homes that are not oriented and laid out to achieve the benefits of passive solar gain and natural ventilation.
- Homes that are not designed with adaptability or extension in mind.

6. Identity

Building type, form and detailing

CODE GHL 6.1 Contextual Design: Applicants must demonstrate how the analysis of the site and its context have informed the design of the proposal. Design must be locally distinctive and rooted in place.

‘Design’ here is all-encompassing and includes street and building layout, the hierarchy of spaces, streets and buildings, landscape and townscape response, building form, building design and materials.

(Barrow: DS5, H7; Eden: DEV5, ENV2, ENV3, ENV10, HS2; South Lakeland: AS01, AS02, AS08, CS1.1, DM1, CS8.10, DM2)

6.1 The built form should reflect the established local character and identity of the site and its context. The site, context and heritage assessments at the start of this code are a crucial step in achieving this.

6.2 Applicants should interpret the proportions, materials, and detailing characteristic of the local vernacular architecture as they emerge from these assessments. Different areas will require different approaches:

- In areas where the local character is defined by regularity and symmetry, such as in traditional Georgian or Victorian settings, designs should echo these patterns through the arrangement of buildings, their form and their features, such as windows and doors.
- In areas of disjointed, limited or weak character and identity, there may be scope for establishing a new and contemporary identity for the development.
- In more informal settings, such as rural areas, a varied composition can create visual interest while still respecting the overall character of the place.

6.3 For example, a ‘terrace’ in Westmorland and Furness can be any of:



A long or short row of identical or similar houses built for industrial workers. Low Hesket.



A row of tightly packed buildings of different ages, materials proportions and styles on the narrow building plots lining a marketplace or commercial street. Alston.



A row of attached buildings that has developed or changed over a long time, and contain a mix of building sizes, heights, styles, set back distances, materials, forms, uses and proportions. Dalton.



A linear farmstead with farmhouse, barns, stables, outbuildings and cottages. Dufton.



A grand row or crescent of large houses built to a planned layout. Barrow.



A short row of houses built for social tenants to pattern book designs. Low Hesket.

6.4 Each of these terraces have distinctly different appearances, character and features. The only common features are that all buildings are attached to one another and have a compact footprint. It is these variations in nuances and details that form an area's identity and distinctness and should be identified in the site, context and heritage analysis.

6.5 Establishing a new identity and character may be appropriate in areas where the existing character is less satisfactory. This may be where the area lacks distinctiveness, negatively impacts aesthetics, reduces living standards or performs poorly in terms of sustainability or how people use it. In such cases, new design should be innovative yet sensitive to the broader context, contributing to a distinctive sense of place while responding to the scale, massing and rhythm of the surrounding built environment or the character of the landscape.

6.6 To create a stronger sense of place, proposals incorporate landmarks, focal points and a hierarchy of spaces, streets and buildings in their designs. These can be further reinforced by variety in building height, material use or architectural details that help distinguish different parts of developments and enhance wayfinding. Public spaces, key buildings and community hubs should be strategically placed to serve as recognisable points of interest, fostering identity and connection while promoting ease of navigation throughout the neighbourhood.

Spatial Character in Historic Places

CODE: GHL 6.2 Historic Spatial Character: Development proposals should respond to the historic spatial character of the site to achieve a layout that reflects the special character of the area. This should include considering the level of enclosure within the streetscape, the variety in size, massing and use in historic spaces and the treatment of pavements and landscaping. Whilst there is a need to meet modern transport and accommodation needs, developments should not significantly alter the historic spatial character of a settlement to meet these needs.

(Barrow: DS4, DS5, HE4, *BP4*; Eden: DEV5, ENV10; South Lakeland: AS07, DM1, DM3, *AS08*, *CS8.6*, *CS8.10*)

6.7 Many of the district's characterful and historic places developed in the era before reliance on cars and motor vehicles. Therefore, the impact of the movement and parking of cars in new developments should be considered in relation to the historic context and setting. Successful new housing schemes are often not dominated by vehicles, and driveways and garages can be discrete to housing. The more that parking spaces are integrated as informal components of the design of streets, the more chance there is for design to have a similar spatial character and sense of enclosure and variety of spaces as historic places do. This may be supported by the move to electric powered vehicles, where cars can be parked and charged at discreet charging stations away from the front of houses. In addition, how hard and soft landscaping are handled - verges, hedges, paving, kerbs, pavements -

can play a significant part in maintaining a local and/or rural identity in a new development.

How contemporary development can have a traditional spatial character



1. Locating parking between and behind houses creates a more intimate scale street which feels well-enclosed and overlooked, like a traditional town or village street.
2. The houses are detached, but the linking walls with garage create the illusion of traditional terraces and a higher density of buildings, as found in a traditional town or village street locally.
3. The ratio of solid-to-void on elevations, differing materials and varied window shapes is a modern interpretation of the variety found along traditional rows of houses.
4. The use of three different materials and textures and two render colours in a logical way provides both a hierarchy of materials and accents of colour.
5. The simple, shared roadway is reminiscent of a village street. There is also a 'small and frequent' approach to soft landscaping and rain gardens.
6. The taller house at the end of the vista adds interest to the street. It is a wayfinding landmark that forms a fork in the block and street and creates intrigue about what is around the corners.

Elevation composition and articulation

6.8 The design of building elevations is fundamental to the definition of the character, identity and overall appearance of buildings. It should respect and reflect

the established local character or, where appropriate, establish a coherent new identity that complements and harmonises with the surrounding context.

- The design of building elevations should avoid flat, monotonous facades by incorporating elements that add depth, interest and a human scale to the streetscape. This can be achieved through the strategic use of projections and recesses, which create shadows and a more dynamic appearance. Such elements can be door entrances or deep reveals to windows, and they should come from a thorough understanding of the local identity.
- The orientation of the main façade should be optimised to enhance environmental performance through daylighting and ventilation, and to respond to the topography of the site and the landscape views. In Westmorland and Furness, south-facing elevations are ideal for capturing sunlight, especially for primary living spaces, reducing the need for artificial lighting and heating during colder months.
- Special attention should be given to buildings located on street corners, as they are highly visible and can serve as focal points. Corner buildings should have dual frontages that address both streets, with design elements that help to visually anchor the corner.



The strongly recessed windows and doors add interest to this elevation and give the walls a sturdy appearance. In this case the additional depth appears to be the result of adding external insulation to the houses. Low Hesket.



A range of projecting and recessed features – both large and small – add interest and character to these new houses in Lindal-in-Furness.

The way buildings relate to the street

6.9 The relationship between buildings and the street is a crucial aspect of urban design that significantly impacts the character, safety and appearance of neighbourhoods. The design of street frontages and boundary treatments should contribute to a cohesive streetscape that reflects local character, enhances the public realm and fosters a sense of community.

- Street frontages should be designed to achieve a harmonious and visually appealing streetscape. Within existing streetscapes, such as at site edges, the design should be consistent with the established approach in the area. New development should establish a consistent design language, using common architectural elements and relating to the local identity.
- The relationship between buildings and the street must be defined by appropriate setbacks and building lines that contribute to a cohesive and well-structured streetscape. These setbacks should not be simply determined by vehicular access or parking spaces, but by a thorough consideration of the whole streetscape.
- Ground floors should be designed with a high level of detail and articulation, including features such as porches or canopies, to enrich the streetscape and provide spaces for social interaction.
- Where buildings face the street, the placement and design of doors should encourage interaction with the street and contribute to a lively, pedestrian-friendly environment.

- Boundary treatments must reflect the local character and contribute positively to the street, using materials and designs that enhance the public realm. The height of these elements should balance privacy with natural surveillance, with front boundaries generally being lower to maintain a connection between the home and the street. Integrating landscaping elements can soften the transition between public and private spaces and add to the green character of the area.



A house facing directly onto the street and having a positive presence in the street scene. Armathwaite.



A composed street frontage and doorways and windows facing directly onto the street. Appleby.

Roof

6.10 The roof design has a significant impact on how a building integrates with its surroundings. Roofs play a crucial role in defining the character and identity of places. In some of the district's settlements and landscapes, the views over the rooftops and roofscape can be important aspects of their character and distinctiveness.

- The detailing of the roof should reflect the traditional and vernacular styles characteristic of Westmorland and Furness, including the use of appropriate and durable materials, detailing and, in some cases, decoration.
- Roof pitches in new development should respond positively to the local context to ensure that they harmonise with the surrounding townscape and landscape. Typically, roofs are simple in design, with most being pitched and featuring equal eaves. Roof pitches should range between 30° to 45°, which aligns with traditional buildings and is appropriate in most circumstances. Additionally, roof pitches should not be lower than 27°, as shallower roofs are uncommon in districts with slate or stone slate roofs and are unlikely to contribute positively to local character.
- Roof pitch and orientation should be designed to facilitate the integration of solar panels. The placement and integration of solar panels should be seamless and should complement the building's aesthetics and not disrupt the architectural harmony or the visual appeal of the surrounding landscape.
- Chimneys are a significant feature in the traditional architecture of Westmorland and Furness, contributing to the area's distinct character. They are important elements that add interest to the roofscape and skyline. When included in new buildings, chimneys should be proportionate to the building's size and style, and respectful of the local character.
- Rather than simply provide a vertical accent to the roofscape, a chimney could serve a 'modern' purpose, such as providing ventilation to the house, concealing the flues of wood burners, or be locations for bird or bat boxes.



Slate roofs of different pitches and heights give this house a vernacular character, and a sense of being adapted and added to over time by simply building on to the existing structure. Low Hesket.



Millhouse borders the Lake District, and this is evident in the Cumbrian blue slate roof with distinctive stone slate lower course and the smaller openings and extra-solid looking walls. These minor variations within the materials and design of buildings across the district must not be lost through the use of generic details or standard materials and details.

Windows and doors

6.11 Windows are sometimes referred to as ‘the eyes of a building’. They should contribute positively to the character of buildings in Westmorland and Furness by respecting traditional design and proportions and, at the same time, meeting contemporary needs for light, ventilation and energy efficiency.

- The proportions and placement of windows should respect the character of the area. Traditionally, windows have a vertical emphasis, with height greater than width. New developments should reflect this proportion, particularly in areas with a strong historical character.
- The overall ratio of ‘solid-to-void’, or wall-to-openings, is an important characteristic of buildings. Few openings and/or small openings can give an elevation a very ‘solid’ appearance due to the amount of blank wall, while many large openings can give an elevation an ‘open’ appearance because it is dominated by ‘voids’. It is important to consider the balance of solid-to-void across an elevation and how consistent it is. Consideration should also be given to each elevation. For example, gables rarely have many or any openings, while southerly facing elevations may have more and larger openings to capture more daylight.
- Modern windows should include double or triple glazing to improve thermal performance while ensuring the frames and proportions are consistent with the traditional character of the area.
- The orientation and design of windows, doors and other openings should allow an adequate amount of natural light into the building while avoiding excessive solar gain to prevent overheating in warmer months (see code on orientation for solar gain in the Resources section).
- The use of features such as deep window reveals or overhangs can reduce unwanted solar heat gain in warmer months while still allowing natural light and passive solar heating in colder months. They are also effective for reducing rain entering into walls, windows, doors and footings.
- The use of internal or external blinds or sunbreaks, and blinds to roof windows can prevent light spill at night but also manage the heating and lighting of rooms by solar gain. External shading is far more effective at controlling internal room temperatures than internal blinds.
- Walling materials have a big influence over the number, sizes and layout of windows. For example, slatestone and rubble (whether limestone or sandstone) is a difficult material to build with, especially for angles, edges and corners, and spanning openings. As a result, walls made of these materials often have fewer openings or use smaller openings due to the nature of the walling material. This gives these types of building a distinctive character.
- New windows should take into consideration the need for ventilation. Openings should be designed to encourage natural ventilation while preventing noise transmission. In some cases, trickle vents can be discreetly

integrated into window designs to provide constant air circulation without compromising appearance.



This attractive terrace has a long roof, long eaves and long elevation, but the strong horizontal lines are balanced by vertical features both large and small: the chimneys, tall window openings, doorways, door jambs, mullions and downpipes. The extra vertical emphasis of the windows in particular helps to balance out the broadness of the elevation. Greystoke.

Materials

6.12 The identity of Westmorland and Furness is closely tied to the natural materials historically used in its buildings and landscape. These materials, such as local stone and slate, reflect the area's distinctive geology and have been integral to maintaining architectural harmony with the surrounding environment. The choice of materials used in new buildings plays a crucial role in maintaining the district's distinctiveness and fostering a sense of place. Westmorland and Furness was historically and is still, a place where stone was quarried, and bricks were made from local clay. As a historic producer and exporter of building materials, it should be expected to see these in new development as a response to place. Building stone and slate continue to be quarried in and around Westmorland and Furness. A directory of active UK quarries listed by stone type and indicating which supply building stone is in the [MineralsUK Directory of Mines and Quarries 2020](#).

6.13 New development should reflect the local identity and character by prioritising the use of materials that are either locally quarried and produced or reclaimed. Materials should harmonise with the landscape, reinforce the area's distinctiveness and support sustainability goals by reducing the carbon footprint of transporting materials. The use of locally sourced modern materials also supports the local and circular economy.



A small sample of the wide variety of building stone found across the district. Clockwise from top left: Barrow, Alston, Dufton, Ivegill, Appleby, Ulverston and Kirkby Lonsdale

Walling

6.14 New development, particularly where there is an effect on conservation areas or other heritage assets, should use walling materials that are consistent with the historic character of the surroundings.

6.15 Walling materials should reflect the local character which, depending on the area, is characterised by the use of stone or bricks. When specifying these materials, the applicant must research the local character to identify the type and colour of stone, or colour of bricks prevalent in the specific location. In locations with historically rendered buildings, a traditional roughcast render or lime render finished in traditional colours should be used.

6.16 In larger developments, the use of different materials to highlight different buildings can create interest, as long as it is based on the analysis and interpretation of the local character. In larger housing developments a variety of walling materials and combinations of walling materials should be used in a manner that adds to the architectural quality of the scheme and avoids the townscape appearing monotonous.

6.17 Modern cladding materials such as timber or composite panels can be used in contemporary buildings but must harmonise with the surrounding environment.



The six examples above are from different towns and villages in Westmorland and Furness: Ulverston, Kirkby Lonsdale, Langwathby, Grange-over-Sands and two examples in Dalton: painted and natural.

Roofing

6.18 New development should use roofing materials that respect local character and, when possible, are quarried locally or in the UK, rather than imported from overseas. There are historically two local types of slate, both of which are still actively quarried today: Cumbrian blue/grey slate and Westmorland green slate. These are preferred materials for roofing in the district, given their local source and tradition of use, even in the decades after the arrival of the railway allowed the import of materials from elsewhere in Britain.

6.19 Across the district, but especially in conservation areas and historic places, roofing materials should follow the local identity, with an emphasis on using slate or stone typical of the area. Applicants must study the local vernacular to determine the appropriate type of slate or stone for the specific location. These materials should be installed using traditional methods, such as laying in diminishing courses, with larger slates at the eaves and smaller ones near the ridge.

6.20 Building materials such as interlocking concrete tiles, plastic, composite or artificial tiles, which are limited to a single size, should be avoided. These materials lack the variation and character found in local buildings.

6.21 In contemporary buildings, modern roofing materials like metal sheeting are acceptable if locally sourced and integrated sensitively into the environment. Roofing materials should visually blend with and complement the surrounding landscape.

6.22 Flat roofs can work well in modern designs or alongside pitched roofs if paired with appropriate eaves or parapet details, ensuring proper local integration and functionality.

6.23 Textures should complement the traditional palette, avoiding overly reflective, smooth, artificial, synthetic or bold surfaces that detract from the natural or built environment.

Landscaping, gates, fences and walls

6.24 Boundary treatments must enhance the sense of place by taking cues from the established local character.

6.25 A hierarchy of boundary features and types should be used in order to avoid development looking monotonous or to have high close-boarded fences or fence panels in prominent locations. For example:

- Native hedges or dry stone or coursed stone walls to outer and the more prominent boundaries of developments or houses.
- Low walls or hedges to front gardens and between front gardens.
- Fences or non-native hedges between neighbouring rear gardens.

6.26 Particularly in rural settings, dry stone walls and hedgerows are the most common types of boundary treatments and must be retained. They integrate seamlessly with the landscape, and they are therefore the preferred option. These traditional boundaries also provide an important contribution to biodiversity.

6.27 Dry stone walls should be built using locally sourced stone, with attention to matching the size, placement, and texture of existing boundary walls. For hedgerows, native plant species should be selected to align with the surrounding flora.

6.28 Hard landscaping should be minimal and carefully designed to harmonize with the local context, particularly regarding colour and texture, ensuring a cohesive relationship with both the natural and built environment. Permeable surfacing should be used in hard landscaping to reduce water runoff.

Alternative Materials

6.29 The use of alternative materials may be considered where they contribute positively to the townscape, enhance the area's distinctiveness or provide clear sustainability benefits without compromising historic character. Such materials could include timber cladding, recycled sheet metals, modern composite materials or eco-friendly alternatives.

6.30 In historic places there may be merit in using modern materials alongside traditional material, or in an ancillary manner to traditional materials to ensure visual harmony with the traditional townscape or landscape. In some cases, modern

materials may be more appropriate. For example, an informal timber garage / store building can often be more subservient and less suburban-looking than a masonry-built garage and store.

6.31 Alternative materials should be locally sourced as this will not only contribute to reducing the environmental impacts of construction, but it will also strengthen the local economy and create a natural progression of the district's identity in a manner that is respectful towards its environment and heritage.

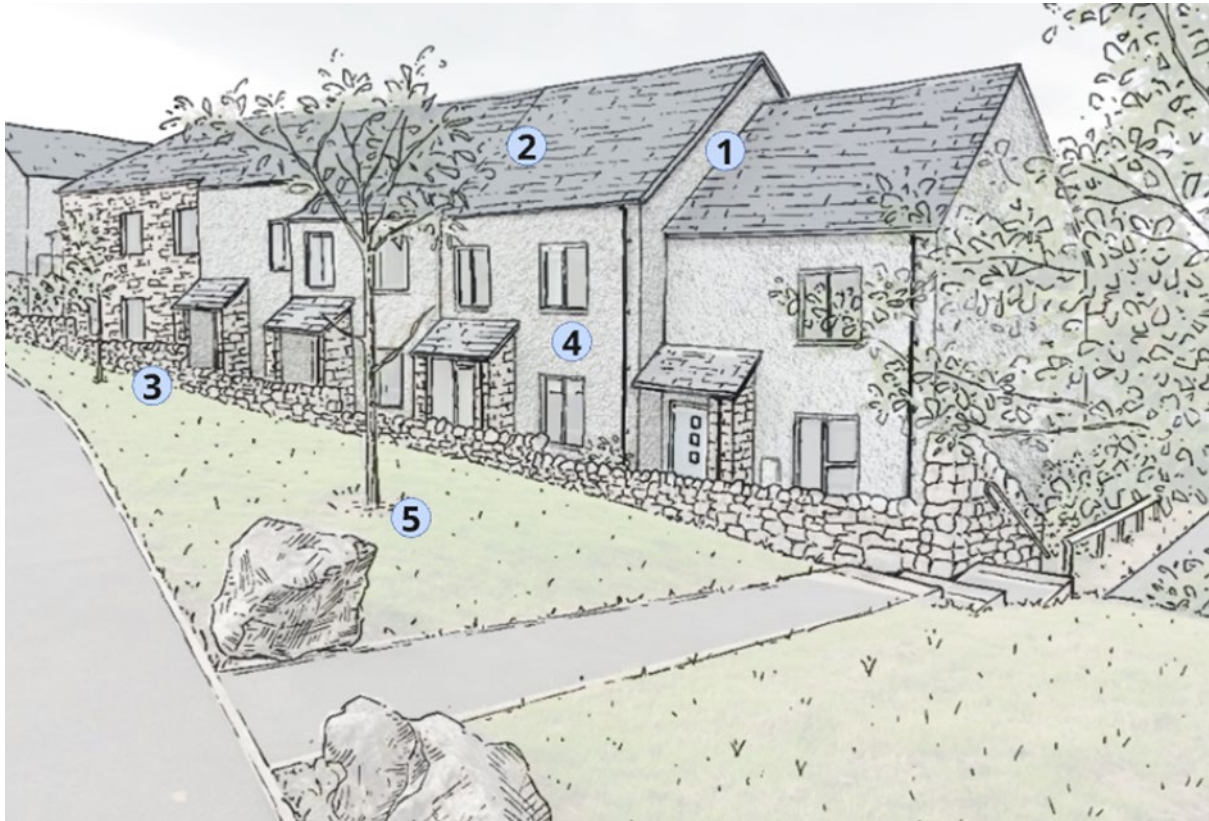
- Locally sourced materials: Traditional buildings in Westmorland and Furness are shaped by the use of local stone and slate, achieving their character based on the specific geographical area where they were built. In the same way, new development should prioritise the use of locally sourced materials. This will continue the district's tradition of using local resources to define its architectural identity.
- Sustainable practices: Embracing sustainable materials helps ensure a resilient future for Westmorland and Furness.
- Alternatives like timber, reclaimed materials or modern eco-friendly options will have a reduced environmental impact.
- The focus is not solely on the modernity of these materials but rather on their sustainable qualities, such as reducing carbon footprint or increasing energy efficiency.
- Traditional materials like slate, stone, brick, and timber can last for centuries with proper maintenance, unlike uPVC or aluminium.
- Avoid materials like concrete, uPVC, and artificial stone due to their high energy consumption, water usage, and environmental impact.
- Building components that are not easily maintained and have short lifespans foster a 'remove and replace' culture. They only look appealing when new, promoting unsustainable practices in the long term.
- Complementing the landscape: Alternative materials should be chosen to blend seamlessly with the built environment and the natural landscape and to complement the traditional materials. This ensures that new developments enhance, rather than disrupt, the setting. Colours, textures and finishes should mirror the tones and patterns of the surrounding environment, in line with the historical use of local stone and slate.
- A continuation of identity: Rather than creating a completely new identity, the use of alternative materials should represent a natural evolution of Westmorland and Furness's architectural heritage. These materials should serve as a continuation of the district's legacy, respecting the past while embracing modern, sustainable innovation.



Three very different buildings, but harmony through the use of similar local stone and a mix of local and Welsh slate. Langwathby.



Bare stone, natural colour render and painted render side by side, giving a variety of textures along with the variations in the designs of the houses and cottages. Langwathby.

Local identity in new greenfield housing development

1. Stepped built forms respond to the topography of the site and add character and visual interest.
2. The forms and grouping of the houses give the row a vernacular character.
3. Local materials palette used in different ways across the terrace. Stone used as boundaries used as accents.
4. Active frontages face the public realm, and the parking for the houses is in a rear courtyard. This makes for an open and uncluttered public realm along the circulation routes.
5. Street trees follow the line of the street and offer amenity and support biodiversity.

Views into and out of development

CODE GH1 6.3 Views: Development must incorporate, create or enhance important vistas or viewpoints and sightlines, either entirely within, or from new development.

(Barrow: DS5, H7, N1; Eden: DEV5, ENV3, ENV10, ENV2; South Lakeland: AS02, CS1.1, DM1, DM3, CS8.2, CS8.10, DM2)

6.32 Proposals should detail how existing and new shared viewpoints or vistas have been considered, particularly in relation to the landscape, coast, important

historic features or where culturally important. The retention and enhancement of existing important viewpoints, vistas, and sightlines should be clearly demonstrated.

CODE GHL 6.4 Edges and Transitions: Development at settlement edges must ensure a sympathetic transition between built-up areas and the countryside, while avoiding disruption to the local topography and character. Housing form should reflect the local vernacular, including the choice of local materials and the scale of dwellings.

(Barrow: DS5, H7, N1; Eden: DEV5, ENV2, ENV3; South Lakeland: AS01, AS02, AS08, CS1.1, DM1, CS8.2, CS8.10, DM2)

6.33 The type, form and composition of new development must be rooted in local character. This varies across Westmorland and Furness in response to changes in the underlying geology and the historical development of settlements which in turn has influenced not only the choice of local building material but also built forms and methods of construction. Important features – such as historic buildings, ecological designations, trees, hedges and landforms – and the connections or views between them, contribute to character and should be protected and celebrated in new developments.

6.34 A detailed analysis of local characteristics and variations across Westmorland and Furness is available in the accompanying Summary Character Appraisal and Baseline documents. The Context section of the Design code provides further guidance on understanding the site and wider surroundings.

6.35 The applicant must demonstrate and clearly articulate how the proposed development respects or enhances local character and distinctiveness. This must be informed by an understanding of the site context, including any historic character assessment required to support the application.



Views out to the countryside, or landscape enhance the design and character of any housing development. These views provide a crucial link to place and context and add a different dimension to the street scene. Kirkby Lonsdale.



Glimpsed views like this one matter: from the heart of Skelton, there are views across to the other side of the Eden Valley. The district is blessed with an interesting and varied landscape.



Even the simplest of building designs takes on a new dimension if there are views that reinforce a rural or village character. Low Hesket.

CODE GH1 6.5 Housing Design: Development proposals should respect the context and prevailing scale of existing traditional buildings. New housing must reflect existing and prevailing local housing types such as cottages, terraces and detached houses. Developments of apartments or smaller dwellings can also be designed to reflect traditional dwellings, adapted to accommodate a number of apartments or houses while having the appearance of a single larger home.

(Barrow: DS5, H7; Eden: DEV5, *HS4*; South Lakeland: AS01, AS08, CS1.1, DM1, *AS02*, *CS8.10*, *DM2*)

6.36 Development should respond to and complement existing patterns of settlement type and layout. In most cases these elements have developed over centuries and are an important part of the historic character of a place. The reasons for any deviation away from the existing historic pattern should be explained, together with active measures towards good placemaking.

CODE GH1 6.6 Historic Design: Where development impacts a conservation area or the historic core of a settlement, design must reflect the local vernacular tradition (where buildings were designed to meet functional needs) or otherwise show a clear response to local context. There are many variations according to location and the applicant must demonstrate that their designs respond appropriately to the specific traditions of the area.

(Barrow: DS4, DS5, HE4, *BP4*; Eden: ENV10, LS1; South Lakeland: AS07, AS08, CS1.1, DM1, DM3, *AS02*, *CS8.6*, *CS8.10*, *DM2*)

6.37 Information on common vernacular forms, and their distribution across Westmorland and Furness, can be found in the Summary Character Appraisal and Baseline. Each settlement has a distinct architectural tradition, but there are common characteristics across the district. In areas where there is a wider variety of architectural styles, particularly those areas of 19th and early 20th century expansion around the edges of towns, design cues should still be taken from the prevailing architectural forms of the area.

6.38 As a general rule of thumb, the more rural a site is, the greater the influence of vernacular architecture on the design of buildings should be. This is especially so in the height, form, massing and materials of buildings, which help to integrate rural buildings into the landscape.

6.39 In built up areas, vernacular buildings are often outnumbered by buildings whose design reflects national or international styles and trends and movements in design. In these cases, vernacular architecture and architecture of its time both have their place, but a reference to the locality in building design can maintain or strengthen an area's character, rather than dilute it.

CODE GH1 6.7 Compatible Building Materials: The colour and textures of new development must harmonise with local character and landscape. Choices of

building materials must reflect the quality and character of the built environment and landscape.

(Barrow: DS5, DS6; Eden: DEV5, ENV3, ENV10, *ENV2*; South Lakeland: AS01, AS07, AS08, CS1.1, DM1, *CS8.2*, *CS8.10*, *DM2*, *DM3*)

6.40 One of the most important ways of establishing a sense of place in the built environment is through the use of materials. Within Westmorland and Furness, the appearance of buildings is largely a direct product of the geology beneath them and locally prevalent building materials. However, in some areas building materials have been imported or manufactured, changing the appearance and character of buildings. Development should respond to and complement existing local character and the surrounding landscape. Where possible, original fabric should be retained or reused, and new materials and work should complement the historic fabric.



Historically it was common to use pigment or render to give buildings a 'neat' and 'clean' appearance like the building in the middle (Kirkoswald). As good stone became more common and affordable, local stone was left exposed like the red building on the right. We now commonly see buildings like the one on the left that were once rendered, being exposed. If local stone is less commonly available, texture and colour become increasingly important to new development.



The contrasts in colour and texture can be a source of interest and delight. Kirkoswald.

Key points on building identity

6.41 The following text is an overview of the key characteristics of the historic built environment across Westmorland and Furness. More detailed and area specific information is available in accompanying Summary Character Appraisal and Baseline.

Scale

- Buildings traditionally sit low in the landscape. Generally, they are one or two storeys high in a rural setting, with three storeys or more common in the centres of towns.

Form

- Roofs are generally simple in design, with central ridges, and eaves at equal height. The traditional use of slate and stone slate means roofs are rarely shallower than 25°.
- Dormer windows are rare.
- Chimneys are a prominent feature.
- It is common to see additions or outbuildings as smaller 'lean-tos' built against a house or building.

Details

- Window locations are usually dictated by internal layout and the building's original use and are not necessarily symmetrical.

- Older window openings are generally small with deep reveals and stone mullions. Sash windows are common in buildings from the late-17th century onwards.
- The need to protect people, interiors and building fabric from wind and rain means roofs traditionally overhang the eaves or have stone tabling over gables, windows and doors are well recessed into the depth of walls, and doorways are often sheltered from prevailing winds. Other features like copingstones and windowsills project out from the wall in order to help rainwater run off the building rather than run down it.
- Buildings often have a very 'solid' appearance due to there being a much higher ratio of wall to openings on each elevation regardless of material used. This is especially true in traditional rubble and slatestone buildings: these materials are difficult to build with and need either additional large pieces of stone or timber beams to span openings. Exceptions to this 'solid' appearance are often in structures attached to the main part of a house, such as bow or bay windows, sunrooms or conservatories.
- Openings are typically on the 'long' elevations of buildings, with gables usually lacking any openings.
- Openings are generally noticeably taller than they are wide, giving a vertical proportion to openings. Individual panes of glass usually have a vertical proportion, even those in openings that are wider than they are tall.
- Roof slates are traditionally laid in diminishing courses, with the smallest slates nearest the ridge of the roof and slates gradually increasing in size to the lowest part of the roof at the eaves.

Materials

- The colour palette of Westmorland and Furness is relatively varied and largely determined by the use of local building materials. Different types and colours of stone, such as red and pink sandstone or grey limestone, are distinctive to particular areas.
- There is generally a hierarchy of materials, with the best materials and finishes used on the front and prominent elevations of buildings, and lower status materials used on the backs and less prominent parts of buildings, and in less important buildings.
- Stone has historically been quarried across Westmorland and Furness and has been used in the construction of the district's traditional buildings. Timber-framing is much less commonly found in Westmorland and Furness than other parts of England due to availability of good and affordable building stone.
- Brick is not a traditional building material in the area, with the exception of Barrow in Furness which was a brickmaking centre, and brick was sometimes used in Eden.
- Cumbrian blue/grey slate and Westmorland green slate have been the main roofing materials used throughout the district in recent centuries, with stone slate (made from limestone or sandstone) used in some areas.

- Rough-cast render or lime wash is typically used to seal rubble-built walls and give rubble walls a smoother appearance. This was traditionally painted cream or grey, but more recently various coloured facades have been used.
- The district's towns and village often use a range of building materials that harmonise with one another. The larger the housing development proposed is, the greater the need to use different materials and different combinations of materials to add variation in character to buildings, streets and spaces.

Identity: what we don't want to see

- Development that ignores the findings of the site, context and heritage assessments.
- Development where the building materials, forms, grouping, elevations, details and response to topography collectively do not feel rooted in the locality or respond to the place.
- The use of high close boarded fences in prominent locations alongside highways and active travel routes, and along its outer edges, especially where the boundary adjoins the settlement edge, countryside or public open spaces.
- Mock-historic buildings or mock-historic details rather than a modern interpretation of the place.
- Artificial or short lifespan building materials and components.
- The tokenistic use of stone or slate, especially if it is reconstituted or not local in its origin.
- Proposals that attempt to give buildings identity without also designing identity into the streets, spaces and overall design of the development.
- Proposals that do not respond to the climate of Westmorland and Furness such as recessing windows and doors, roof overhangs or projecting eaves, having projecting copings, tabling or windowsills, or achieving a suitable ratio of solid-to-void in elevations.





**Westmorland
& Furness
Council**

