

Appendix B – Palette of Highway Materials

General

Newcastle City Council (NCC) has developed and determined a limited number of highway materials that it is prepared to use within the Adopted Highway.

This decision was taken to minimise the proliferation of different paving and surfacing materials used throughout the City, and create a visually recognisable continuity within the highway, utilising readily available materials from local suppliers, which can be ordered and supplied quickly to ensure value for money.

NCC has designated three (3) areas in the City where a different palette of highway materials can be used, which are:

- Palette A - Inner City Centre
- Palette B - Outer City Centre
- Palette C - Outer Areas

The extent of each area is shown on the plan within this Appendix.

There is another layer of detail that sits over these three primary areas which can influence the highway materials that can be specified, namely:

- District Retail Centres
- Local Retail Centres
- Conservation Areas

The Retail Centres are shown on the plan attached to this Appendix. The Conservation Areas are not included upon the plan for clarity, but are identified on a separate plan in the following location on the NCC website.

<http://www.newcastle.com/planning-and-buildings/conservation-heritage-and-urban-design/conservation-and-urban-design/conservation-areas>

Materials

The materials for each area are shown in the typical cross-sections in this Appendix, and highlighted in the Table below.

| Highway Element | Palette A Inner City Centre | Palette B Outer City Centre | Palette C Outer Areas |
|----------------------|--------------------------------|--------------------------------|--------------------------|
| Pin Kerb | na | na | Precast Concrete |
| Footway | Caithness Flags | Precast Concrete Flags | Dense Asphalt Concrete |
| Kerb | Granite (Silver Grey) | Precast Concrete | Precast Concrete |
| Cycle Lane | HRA Asphalt Concrete | HRA Asphalt Concrete | HRA Asphalt Concrete |
| Central Reserve | Granite Setts | Precast Concrete Blocks | Precast Concrete Blocks |
| Carriageway | HRA Asphalt Concrete | HRA Asphalt Concrete | HRA Asphalt Concrete |
| Layby Parking Bay | Granite Setts | HRA Asphalt Concrete | HRA Asphalt Concrete |

Further information for the specified materials can be found in Section 4 of the Design and Construction Standards document.

Variations to the Palette

New residential developments must adhere to the new palette of materials, but the S278 tie-in works to the existing Adopted Highway, including any accommodation works to highways in the immediate vicinity, may not.

In some cases the existing highway materials will conflict with the proposed palettes of materials. When this occurs the agreed palette will have to be determined on a site by site basis, with the following considerations:

- Scope and scale of the proposed new or reconstructed highway.
- Predominant palette of materials immediately adjacent to the new or reconstructed highway works.
- Area of designation (District, Regional, Conservation, Strategic Cycle Route)

The agreed alternative palette of materials should adhere as closely as possible to the materials contained in one of the other palettes, however NCC will not approve the use of Palette A (Inner City Centre) materials outside of its designated area due to the prohibitive future maintenance cost and liability implications.

Many of the high quality existing highway materials within Conservation Areas are not easy to source, very expensive to manufacture, and have significant delivery timescales. Whilst some of these existing materials are still located in the city outside of Conservation Areas, NCC are no longer able to stockpile such materials when they are removed due to limited long term storage facilities.