

Summary of changes to Chapter 10.2

November 2020

The main changes to this chapter are bringing it up to date by replacing the old BS Standards specification and references with harmonised EN Standards. References to the Highway Works specification have also been updated together with the clause on sub-base thickness.

Several definitions have been added at the beginning of the chapter to make it easier to understand the Tables detailing pavement construction and provide clarity on limitations of flexible retaining walls.

More up to date guidance is also provided on Garden areas and Timber decking.

Definitions for this chapter

A table of definitions has been provided at the start of the chapter, in keeping with recent chapter updates. This is to provide clarity and aid the understanding of the words, terms and phrases that are used within the context of the chapter.

10.2.3 Stability

The term 'flexible retaining walls' was introduced as an overarching wall type for the gabion and timber retaining walls previously mentioned in old Standards.

10.2.6b Drainage

The SuDS Manual - CIRIA report C753 is now referenced, which superseded and replaced the old CIRIA report C522, previously referenced.

10.2.6c Construction details

Tables 2a - 2d have been brought up to date, with all references to obsolete or superseded BSs removed and replaced with BS EN standards. Recommendations and references within the tables were also updated to reflect the latest information in the Manual of Contract Documents for Highway Works (MCHW) Volume 1 - Series 800.

The notes at the bottom of the tables were also revised and brought up to date.

10.2.6d Minimum sub-base thickness

Table 3 has been updated by removing reference to use of geotextiles and together with the column referring to reduced thicknesses of sub-base when used in conjunction with geotextile material. However, to acknowledge the fact that proprietary geogrid product with proven mechanical enhancement properties exist, we have made provision for such bespoke design using proprietary products to be considered.

10.2.6e House paths and patios

The maximum size of aggregate is reduced from 75mm to 50mm.

10.2.7 Materials

Some minor editorial changes with four new standards added to the references. The text at the bottom of the clause was also reviewed to include subsoil in addition to topsoil.

10.2.8 Garden areas within 3m of the home

In the guidance to the clause, the importance of soil selection and management in the immediate vicinity of homes was highlighted as a means of preventing waterlogging.

10.2.9 Garden areas

In the guidance, some factual and editorial changes were introduced to bring them in line with current practices in BS 3882 and BS 8601 including no obstruction within the top 450mm of the garden areas.

10.2.10 Timber decking

Use Class 4 classification requirement for timber decking in contact with the ground now specified in accordance with the latest TDCA guidance and recognition of the change of name of the trade organisation (from TDA to TDCA) that provided guidance and support to the sector.