Section

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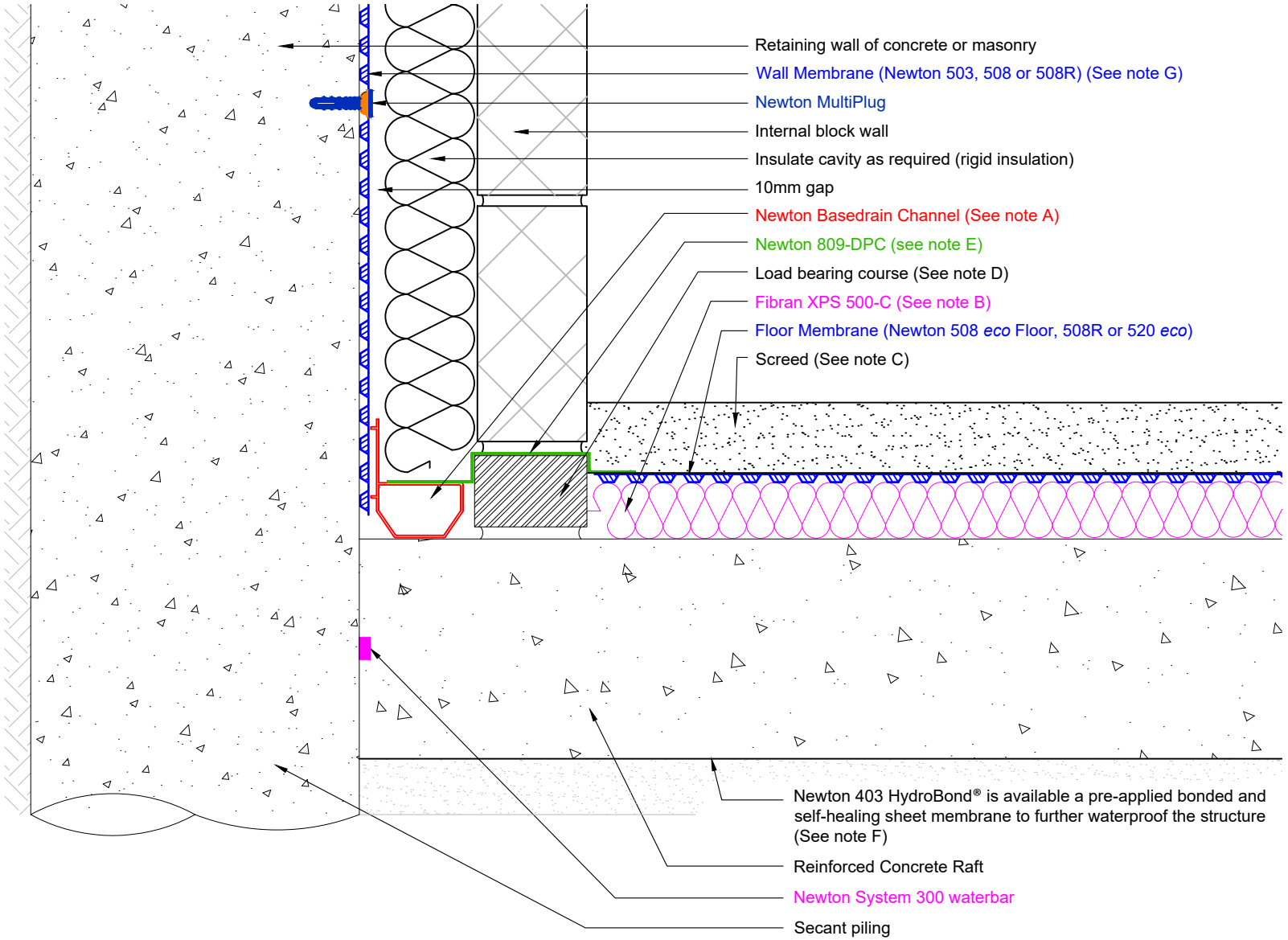

Notes

The structure should be constructed to BS EN 1992 (Eurocode 2), and of sufficient mass and quality so as able to resist heads of water pressure as required by BS8102.

All construction joints (day joints, shrinkage joints, movement joints etc) should be waterproofed with Newton System 300 waterbars to limit water ingress thorough joints in the structure.

It is recommended that the concrete be treated with Newton 906 Lime Inhibitor to limit the leaching of free lime from the concrete.

A) Newton Basedrain should always be laid level and connected to the sump chamber or safe gravity drainage with at least two Drainage Connectors, see drawings CDM-P03 (Basedrain Layout & Parts) and CDM-P09 (Titan-Pro Pump System). Construction joints to the floor should be protected by Newton Floordrain, see drawing CDM-D01 (Construction joints protected by Newton Floordrain). For supporting walls detailing please see drawing CDM-D03.

B) Newton Fibran XPS 500-C is placed below the Newton flooring membrane as a fully drained supporting spacer. The maximum floor load is 16 Mpa (1.6 tonnes/m2). Newton Fibran XPS 500-C has a thermal conductivity of 0.035W/mk and as such will make a significant contribution to the U-value of the floor.

C) Screed to manufacturers recommendations or current British Standard.

D) The load bearing course will be engineering brick or a load bearing insulation if a cold bridge is to be avoided. Newton Basedrain'T'-Pieces should be placed through the load bearing course at 2m centres to allow water to pass to the Floordrain.

E) i) Newton 809-DPC is taped to the Newton Floor membrane with Newton Waterseal Tape - not shown.
ii) Take the Newton 809-DPC across onto the top of the Newton Basedrain within the cavity as shown, tape to the Newton Basedrain with Newton Waterseal Tape - not shown (option).

F) Refer to H-SEC for application of Newton 403 HydroBond.

G) Wall membrane should be trimmed to 40mm from slab to keep clear of the Basedrain holes.

To access further details and relevant technical information please call our Technical Team on 01732 360095 or refer to our website.

Newton CDM System

Secant piling

Drawing 1 of 3 Detailing typical wall to floor continuity

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Scale	Drawing Reference	Original Reference	Drawing Revision
Not to scale	CDM-SECA-01		c
Date	**Designed by**	**Drawn by**	**Checked by**
08/06/2020	DGB	CER	RC

Section

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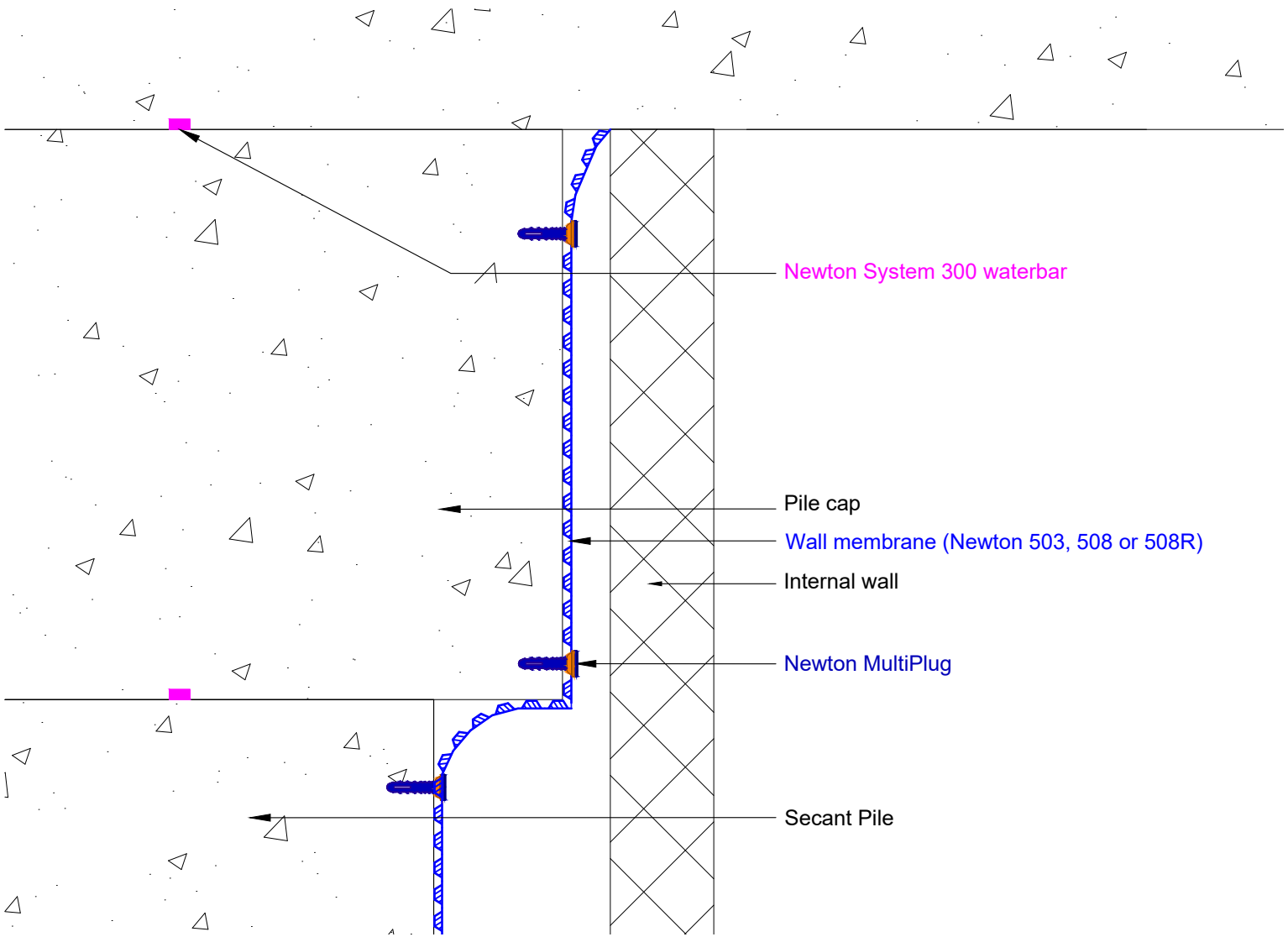

Notes

This detail shows the termination of Newton CDM System in front of Secant piles.

This system is suitable for habitable Grade 3 of the environmental table within BS8102:2009 where no dampness is tolerable.

To access further details and relevant technical information please call our Technical Team on 01732 360095 or refer to our website.

Newton CDM System

Secant piling

Drawing 2 of 3 Detailing to capping beam

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Plan

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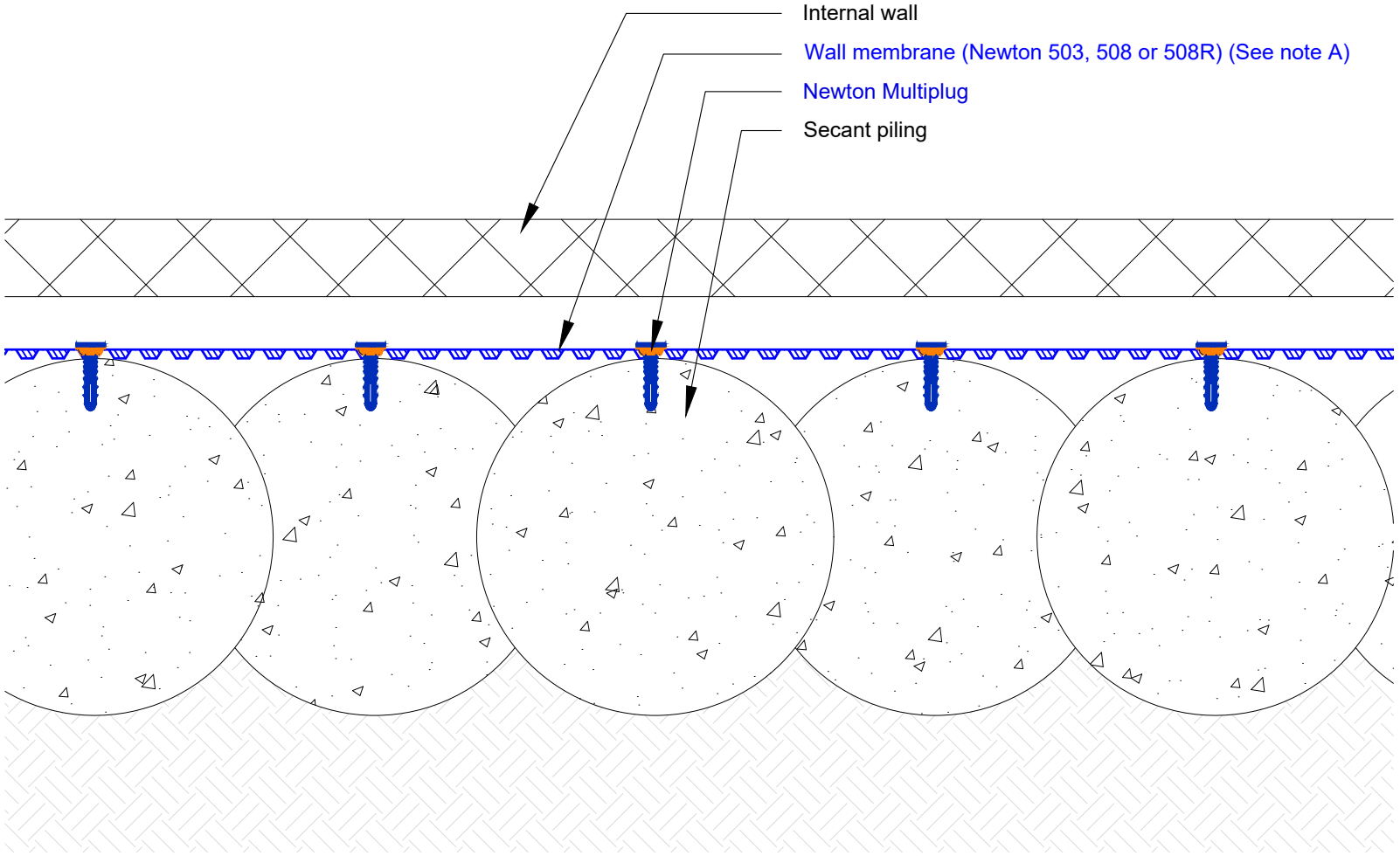

Notes

This detail show the methods for fixing the Newton CDM System Wall membrane to Secant piling.

A) Ensure all lap joints for the Newton System 500 Wall membrane and but joints for the Newton Basedrain occur at the inner most face of the piles.

To access further details and relevant technical information please call our Technical Team on 01732 360095 or refer to our website.

Newton CDM System

Secant piling

Drawing 3 of 3 Plan showing typical fixing of Wall membrane

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