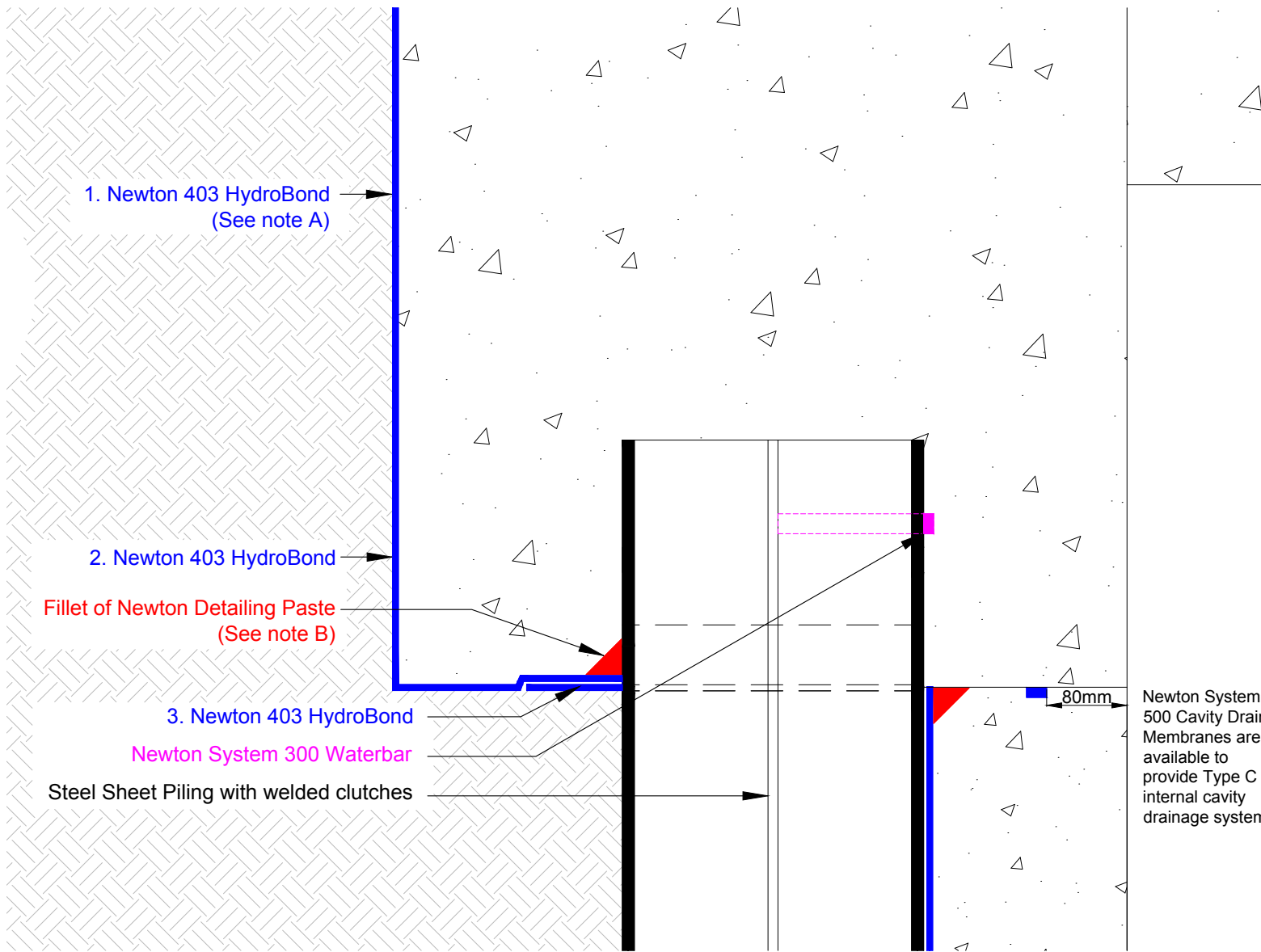


Section

DO NOT SCALE



1. Newton 403 HydroBond
(See note A)

2. Newton 403 HydroBond

Fillet of Newton Detailing Paste
(See note B)

3. Newton 403 HydroBond

Newton System 300 Waterbar

Steel Sheet Piling with welded clutches

Newton System 500 Cavity Drain Membranes are available to provide Type C internal cavity drainage system

80mm

Notes

This drawing shows Newton 403 HydroBond used as a Type A primary waterproofing membrane. 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.

This system could be suitable for Grades 1, 2 and 3 of the environmental table within BS8102:2009.

A) Newton 403 HydroBond is a mechanically bonded and self-healing membrane that is pre-applied ready for the placement of the RC structure to a suitable smooth sound substrate.

B) For the Newton Detailing Paste please contact the Newton Technical Department to confirm which product is suitable for the intended application.

System 300 Waterbar secured to primed profiled steel with Newton 309 Contact Adhesive.

1. Newton 403 HydroBond terminated at ground level. Continuity to DPC level as per Newton instructions.

2. Newton 403 HydroBond peel adhered to capping beam (applied to inside of formwork prior to pouring) lapped over the 100mm tabs Newton 403 HydroBond can be rolled straight over tabs with no need for cutting.

3. Newton 403 HydroBond cut from template (including 100mm tab to form lap) laid into clutches of piles to neatly abut face of steel (H-SH 03) sealed with fillet of Newton Detailing Paste (see note B).

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

Newton HydroBond® System

Installation of Newton 403 HydroBond to Sheet pile cap

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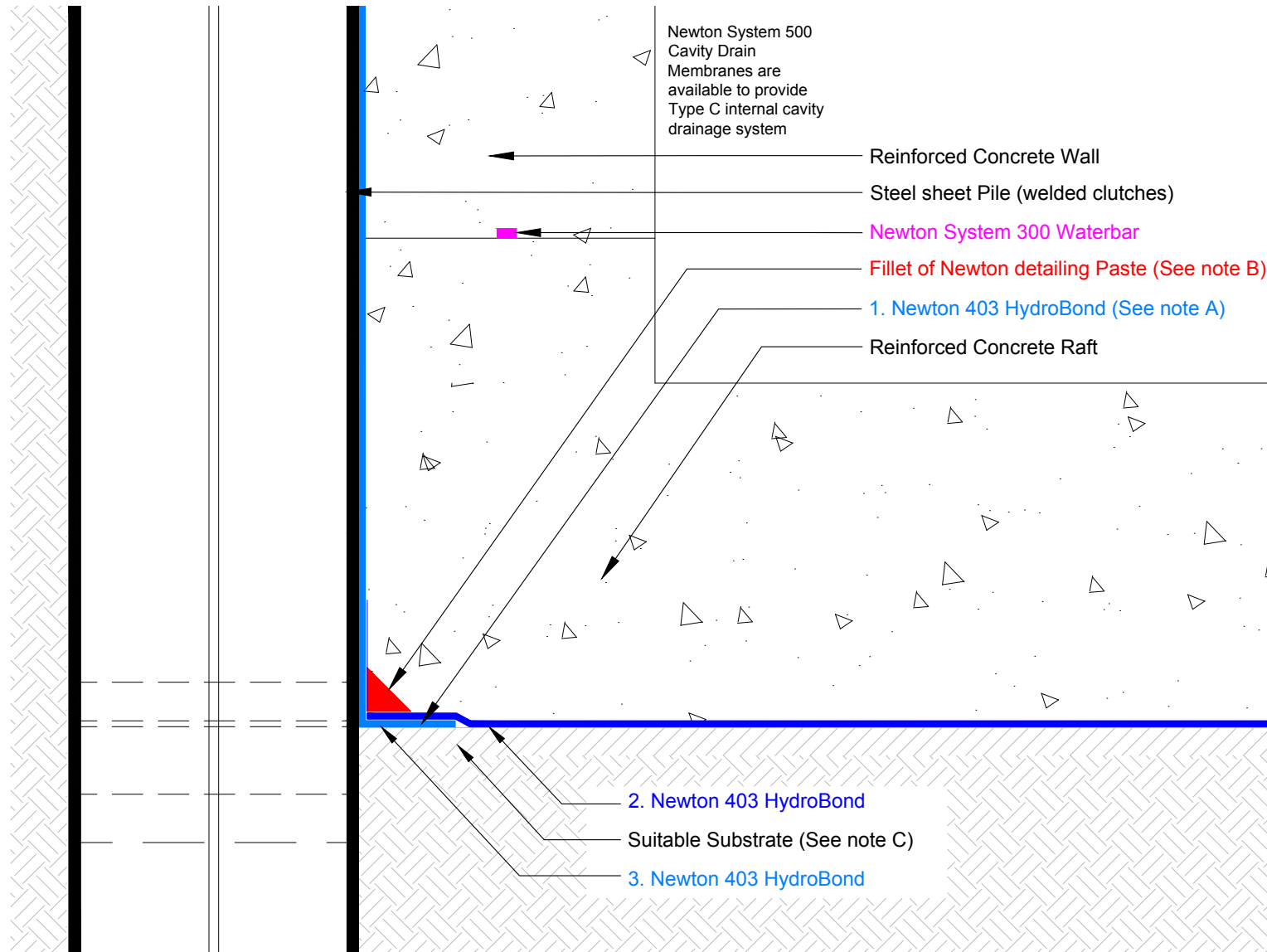


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| Scale Not to scale | Drawing Reference H-SH-01 | Original Reference | Drawing Revision C |
| Date 24/05/2017 | Designed by RC | Drawn by AJG | Checked by DGB/RC |

Section

DO NOT SCALE



Notes

This drawing shows Newton 403 HydroBond used as a Type A primary waterproofing membrane. 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.

This system could be suitable for Grades 1, 2 & 3 of the environmental table within BS8102:2009 where some dampness is tolerable

A) Newton 403 HydroBond is a mechanically bonded and self-healing membrane that is pre-applied ready for the placement of the RC structure to a suitable smooth sound substrate

B) For the Newton Detailing Paste please contact the Newton Technical Department to confirm which product is suitable for the intended application.

C) Suitable horizontal supports for Newton 403 HydroBond include concrete blinding, closed cell insulation, void former system or drainage membrane such as Newton 410 GeoDrain. Support should be smooth, sound and uniform to fully support the membrane ready for the placement of the concrete.

1. Newton 403 HydroBond cut from template (including 100mm tab to form lap) laid into clutches of piles to neatly abut face of steel (See H-SH-03) reinforced with fillet of Newton Detailing Paste (See note B).

2. Newton 403 HydroBond (under slab) laid onto suitable oversite, lapped over the 100mm tabs Newton 403 HydroBond can be cut to profile.

3. At base of piles, vertical Newton 403 HydroBond extended horizontally onto blinding, cut and splayed as necessary to lay flat.

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

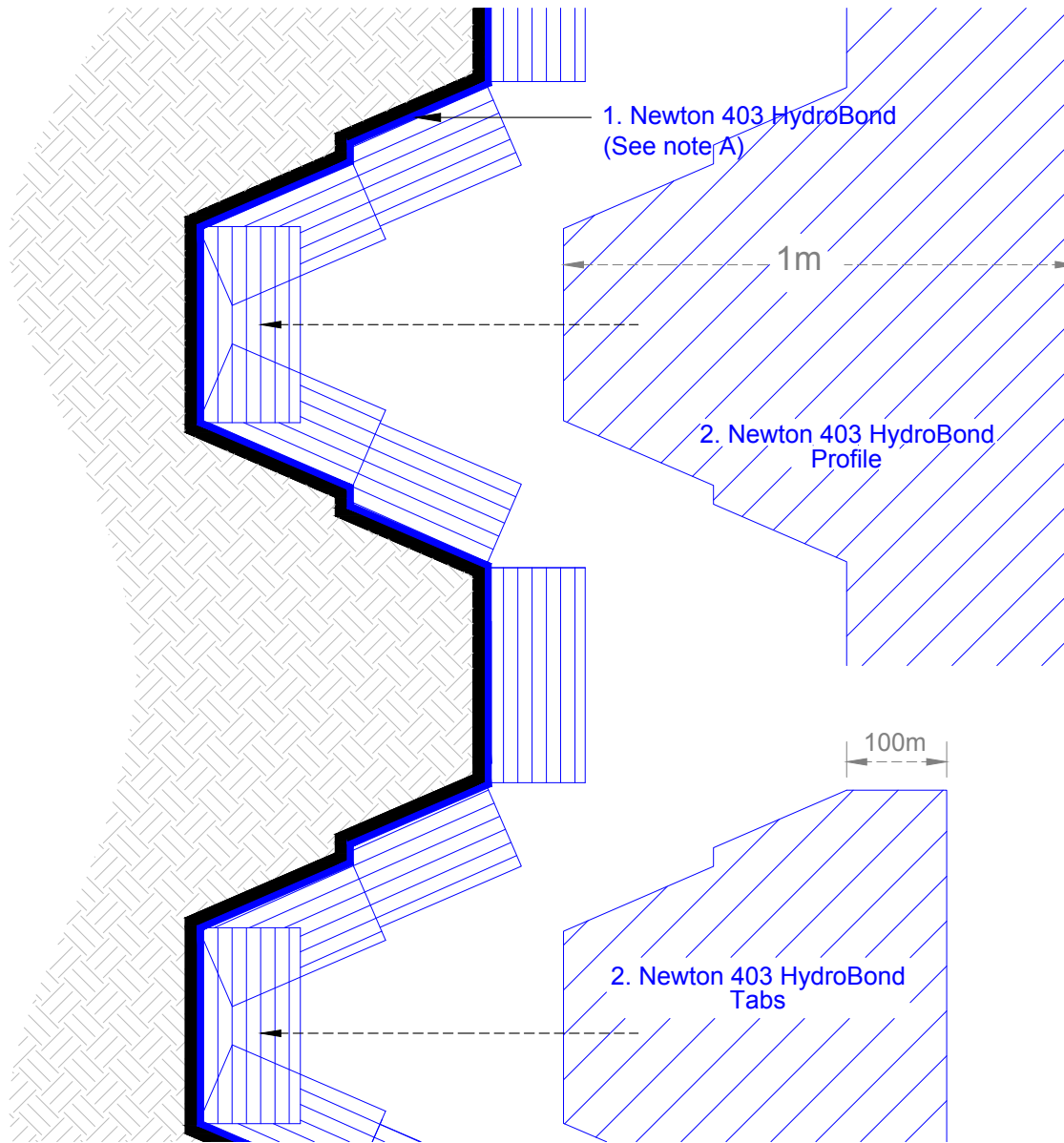
Newton HydroBond® System

Typical full installation of Newton 403 HydroBond to Sheet pile

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Plan

DO NOT SCALE



Notes

This drawing shows Newton 403 HydroBond used as a Type A primary waterproofing membrane abutting a steel piled wall in plan view. 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.

This system could be suitable for Grades 1, 2 and 3 of the environmental table within BS8102:2009.

A) Newton 403 HydroBond is a mechanically bonded and self-healing membrane that is pre-applied ready for the placement of the RC structure to a suitable smooth sound substrate.

1. At base of piles, vertical Newton 403 HydroBond extended horizontally onto blinding (min 100mm), cut and splayed as necessary to allow to lay flat.

2. Newton 403 HydroBond (under slab) cut to shape of profile and lapped over the 100mm vertical to horizontal laps.

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

Newton HydroBond® System

Newton 403 HydroBond abutting Sheet Pile

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| Scale Not to scale | Drawing Reference H-SH-03 | Original Reference | Drawing Revision C |
| Date 24/05/2017 | Designed by RC | Drawn by AJG | Checked by DGB/RC |