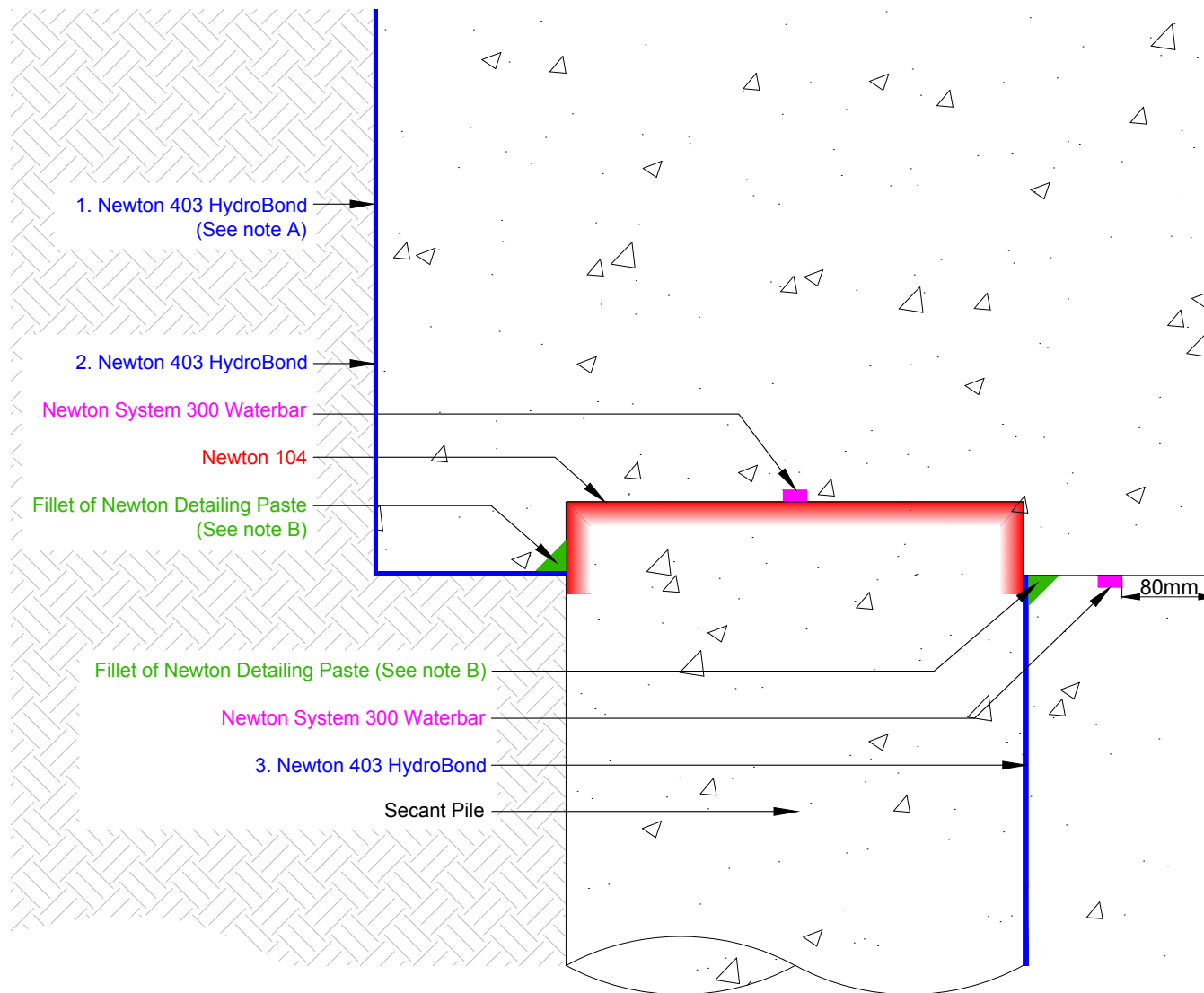


Section

DO NOT SCALE



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

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 to formwork for the placement of the reinforced concrete.

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

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) cut to tightly abut the profile of the secant piled wall. Sealed with a fillet of Newton Detailing Paste.

3. Newton 403 HydroBond mechanically fixed (shotfired) to profile of concrete piles. Neatly abut underside of capping beam, and seal with fillet of Newton Detailing Paste.

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 to Secant piles

Drawing 1 of 3 Detailing to capping beam

NOTE: This is a Newton waterproofing detail and copyright remains with John Newton & Co. Ltd. (trading as Newton Waterproofing Systems). Any specification/advice provided is only valid if used with products supplied by John Newton & Co. Ltd. For the design of the structure, please use a professional designer. We recommend that Newtons' waterproofing systems are installed by our NSBC registered contractors who can offer insurance backed guarantees and accept liability for both the design and installation of our systems. Please refer to product data sheets before installation of our products. Newton Waterproofing Systems reserve the right to update drawings and product literature at any time.

Section

DO NOT SCALE

Notes

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

3. Newton 403 HydroBond

Secant Pile

Reinforced Concrete Wall

1. Newton 403 HydroBond (See note A)

Newton System 300 Waterbar

Fillet of Newton Detailing Paste (See note B)

Reinforced Concrete Raft

2. Newton 403 HydroBond

Suitable Substrate (see note C)

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 reinforced concrete.

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. First run of vertical Newton 403 HydroBond applied 900mm up from blinding level. Working from top down fix with Newton fasteners as necessary to allow close contouring of piles cut and splayed at base to form lap as per H-SEC-03.

2. Newton 403 HydroBond (under slab) loose laid onto suitable oversite lapped over the 'cut and splayed lap from vertical application.

3. Newton 403 HydroBond is lapped 70mm to the first run of Newton 403 HydroBond.

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

Newton HydroBond® System

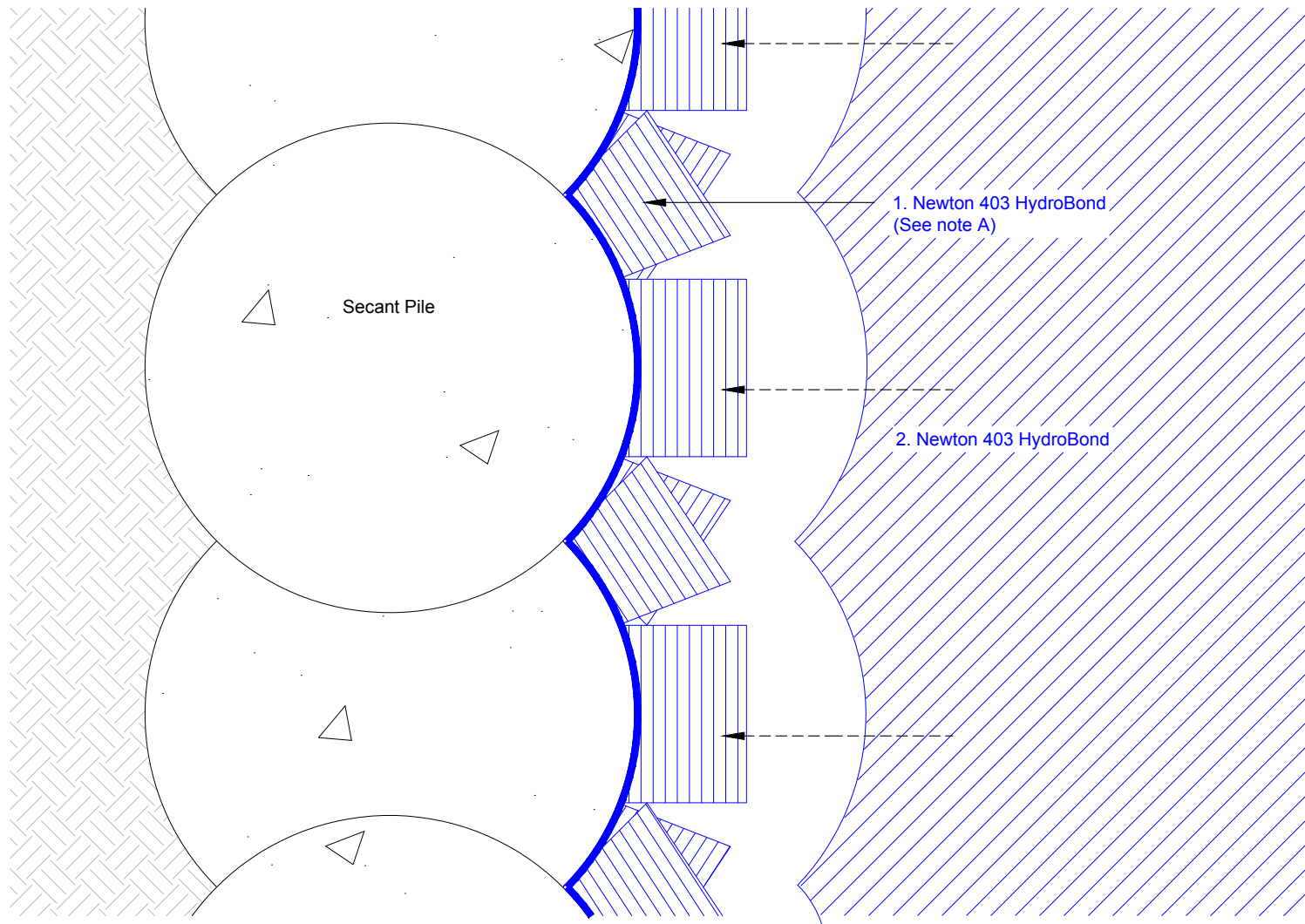
Newton 403 HydroBond to Secant piles

Drawing 2 of 3 Section showing wall to floor continuity

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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 secant 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 Reinforced Concrete.

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) loose laid onto suitable oversite lapped over the 'cut and splayed lap from vertical application.

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 to Secant piles

Drawing 3 of 3 Plan showing detailing of floor membrane to base of piles

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