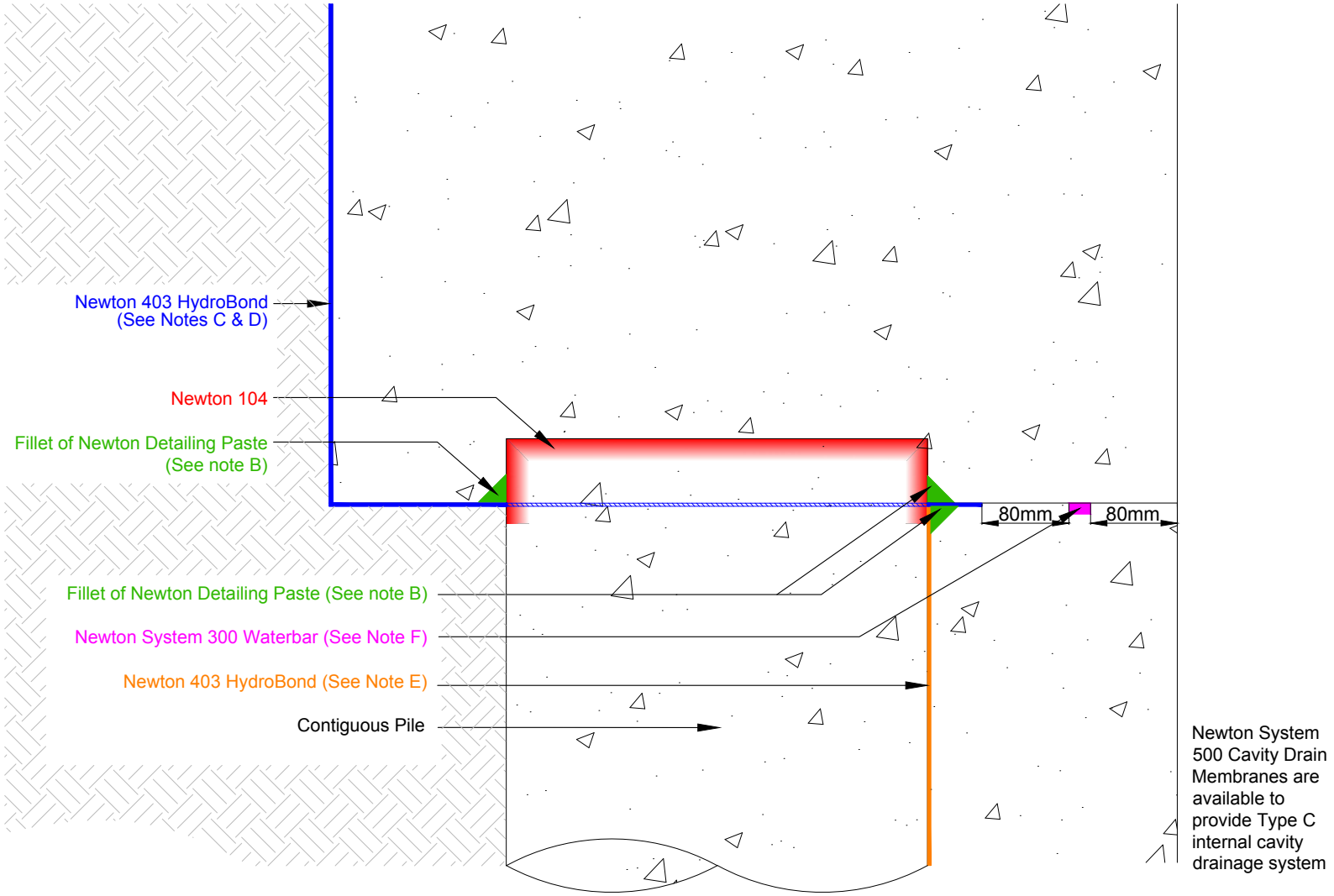
DO NOT SCALE

Section through pile



Notes

This drawing shows Newton 403 HydroBond used as a Type A primary waterproofing membrane. To be used in conjunction with H-ContigCL-02, 03 & 04.

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.

Newton 403 HydroBond is a mechanically bonded and self-healing membrane that is pre-applied to formwork for the placement of the reinforced concrete.

A) The clutches of the piles should be sprayed with structurally capable waterproof concrete designed by a structural engineer. Please speak with a Newton specialist for further information.

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

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

D) Newton 403 HydroBond applied to inside of formwork prior to pouring of pile cap. Cut the Newton 403 HydroBond to tightly abut the profile of the heads of the contiguous piled wall. Sealed with a fillet of detailing mastic.

E) Newton 403 HydroBond mechanically fixed (shotfired) to profile of concrete piles. Vertical Newton 403 HydroBond abuts the underside of the peel adhered membrane on the soffit of beam, and seal around the profile of each pile with a fillet of Newton detailing paste.

F) Newton System 300 waterbar requires a minimum of 80mm concrete cover.

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 Contiguous piles with back blinding between piles

Drawing 1 of 4 Detailing to capping beam

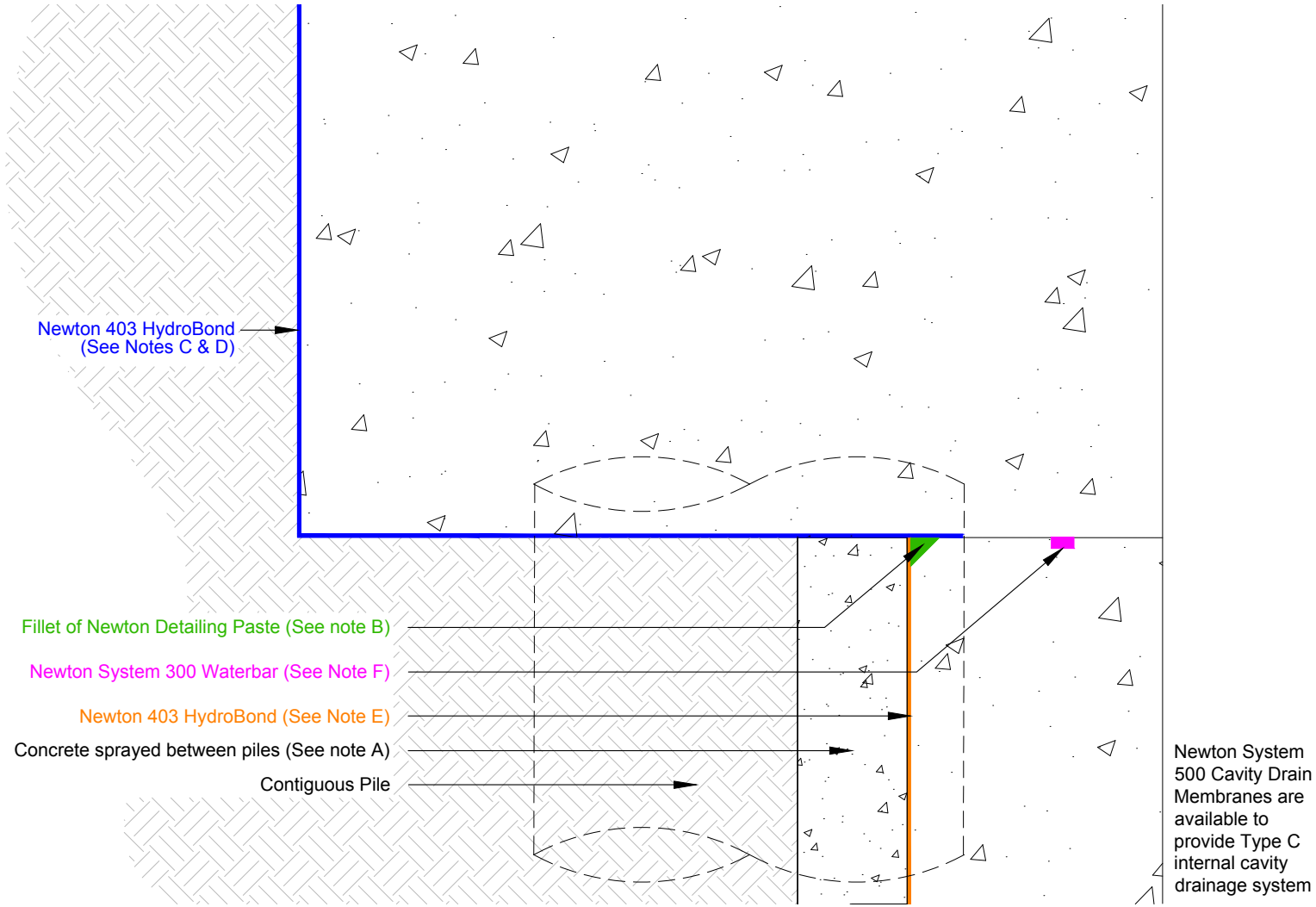
NEWTON WATERPROOFING

© Newton Waterproofing Systems
(*a trading name of John Newton & Co. Ltd.*)
Newton House, 17 - 20 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: 01732 360095 **W:** www.newtonwaterproofing.co.uk **E:** tech@newtonwaterproofing.co.uk

Scale	Drawing Reference	Original Reference	Drawing Revision
Not to scale	H-ContigCL-01		c
Date	**Designed by**	**Drawn by**	**Checked by**
24/05/2017	RC	AJG	DGB

DO NOT SCALE

Section through clutch of two piles



Notes

This drawing shows Newton 403 HydroBond used as a Type A primary waterproofing membrane. To be used in conjunction with H-ContigCL-01, 02 & 04.

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.

Newton 403 HydroBond is a mechanically bonded and self-healing membrane that is pre-applied to formwork for the placement of the Reinforced Concrete.

A) The clutches of the piles should be sprayed with structurally capable waterproof concrete designed by a structural engineer. Please speak with a Newton specialist for further information.

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

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

D) Newton 403 HydroBond applied to inside of formwork prior to pouring of pile cap. Cut the Newton 403 HydroBond to tightly abut the profile of the heads of the contiguous piled wall. Sealed with a fillet of Newton Detailing Paste.

E) Newton 403 HydroBond mechanically fixed (shotfired) to profile of concrete piles. Vertical hydrobond abuts the underside of the peel adhered membrane on the soffit of beam, and seal around the profile of each pile with a fillet of Newton Detailing Paste.

F) Newton System 300 waterbar requires a minimum of 80mm concrete cover.

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 Contiguous piles with back blinding between piles

Drawing 2 of 4 Detailing to capping beam

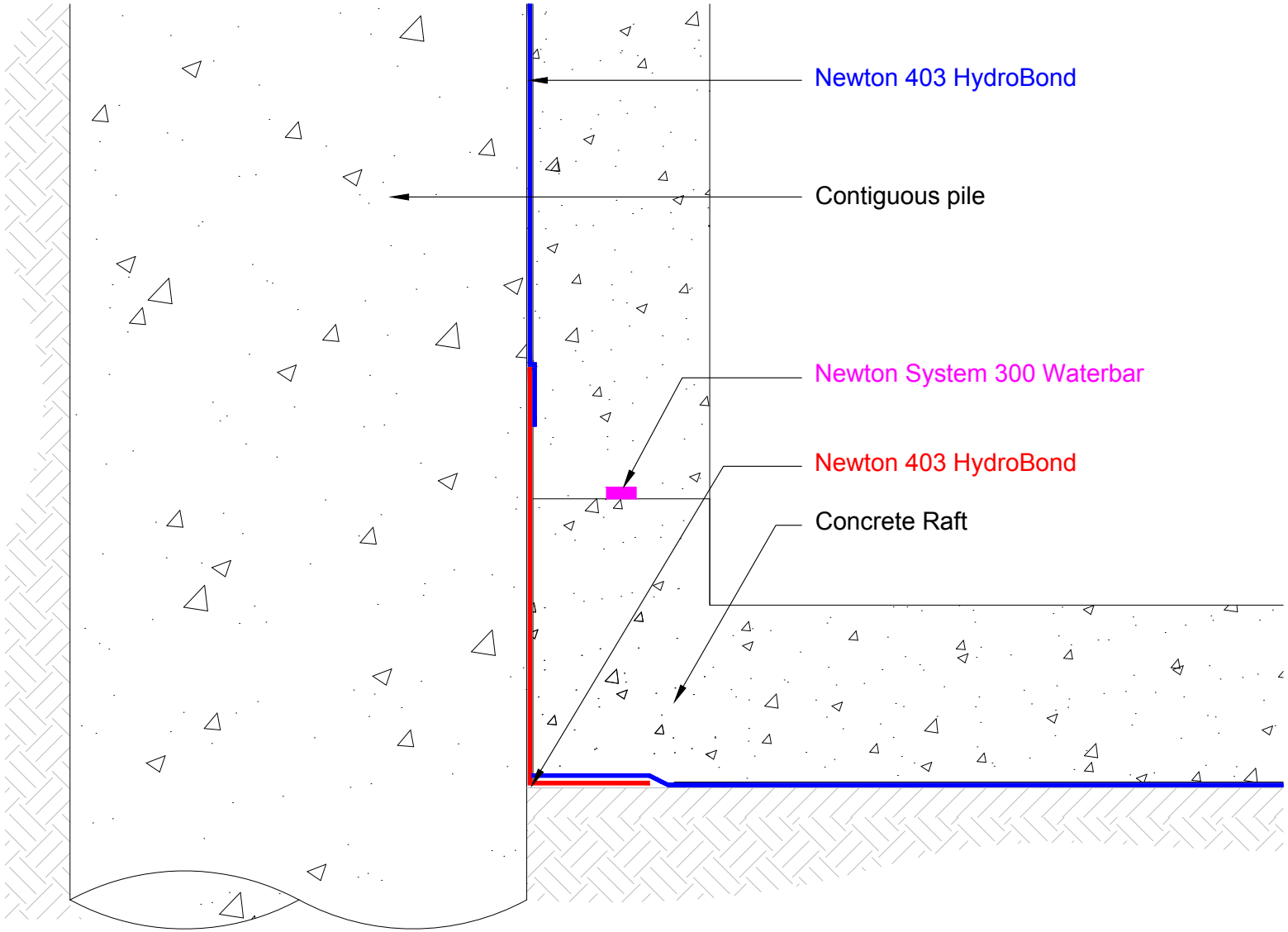
NEWTON WATERPROOFING

© Newton Waterproofing Systems
(a trading name of John Newton & Co. Ltd.)
Newton House, 17 - 20 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: 01732 360095 **W:** www.newtonwaterproofing.co.uk **E:** tech@newtonwaterproofing.co.uk

Scale	Drawing Reference	Original Reference	Drawing Revision
Not to scale	H-ContigCL-02		c
Date	**Designed by**	**Drawn by**	**Checked by**
24/05/2017	RC	AJG	DGB

DO NOT SCALE

Section



Notes

This drawing shows Newton 403 HydroBond waterproofing Contiguous piles and a concrete slab. To be used in conjunction with H-ContigCL-01, 02 & 03.

Construction should be to BS EN 1992 (Eurocode 2) and capable of resisting heads of water pressure as required by BS8102.

Newton 403 HydroBond is a mechanically bonded and self-healing membrane that is pre-applied ready for the placement of the concrete to a suitable smooth sound substrate such as a concrete blinding, closed cell insulation, void former system or drainage membrane such as Newton 410 GeoDrain.

Earth between piles should be dug back no more than 1/3 of pile diameter and back blinded to ensure the membrane has a firm level substrate to be fixed to.

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 Contiguous piles with back blinding between piles

Drawing 3 of 4 Section showing wall to floor continuity

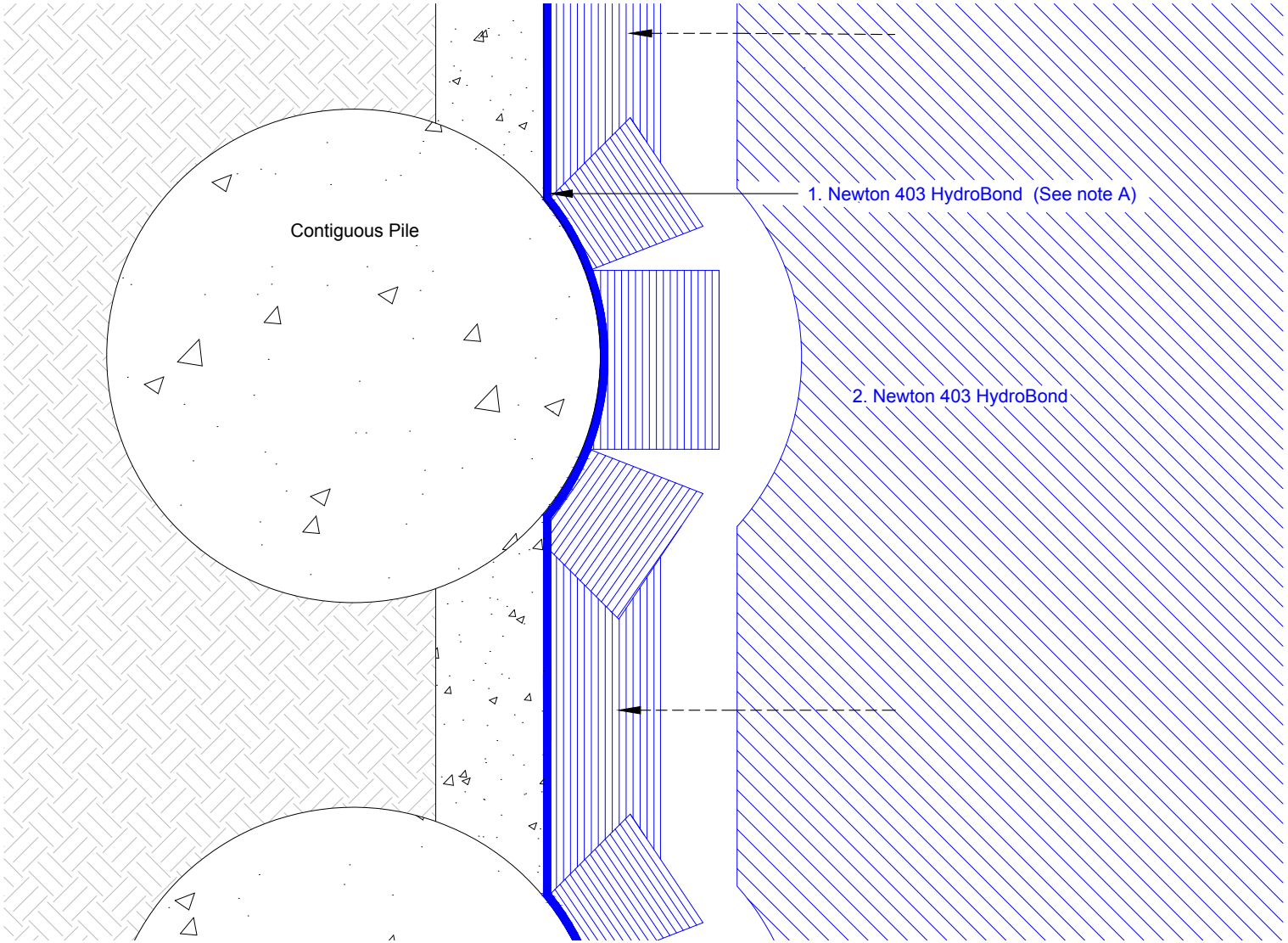
NEWTON WATERPROOFING

© Newton Waterproofing Systems
(a trading name of John Newton & Co. Ltd.)
Newton House, 17 - 20 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: 01732 360095 **W**: www.newtonwaterproofing.co.uk **E**: tech@newtonwaterproofing.co.uk

Scale	Drawing Reference	Original Reference	Drawing Revision
Not to scale	H-ContigCL-03		c
Date	**Designed by**	**Drawn by**	**Checked by**
24/05/2017	RC	AJG	DGB

DO NOT SCALE

Plan



Notes

This drawing shows Newton 403 HydroBond used as a Type A primary waterproofing membrane to Contiguous piles and RC slab. To be used in conjunction with H-ContigCL-01, 03 & 04.

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.

Earth between piles should be dug back no more than 1/3 of pile diameter and back blinded to ensure the membrane has a firm level substrate to be fixed to.

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 Contiguous piles with back blinding between piles

Drawing 4 of 4 Plan showing detailing of floor membrane to base of piles

NEWTON WATERPROOFING

© Newton Waterproofing Systems
(*a trading name of John Newton & Co. Ltd.*)
Newton House, 17 - 20 Sovereign Way, Tonbridge, Kent, TN9 1RH
T: 01732 360095 **W**: www.newtonwaterproofing.co.uk **E**: tech@newtonwaterproofing.co.uk

Scale	Drawing Reference	Original Reference	Drawing Revision
Not to scale	H-ContigCL-04		c
Date	**Designed by**	**Drawn by**	**Checked by**
24/05/2017	RC	AJG	DGB