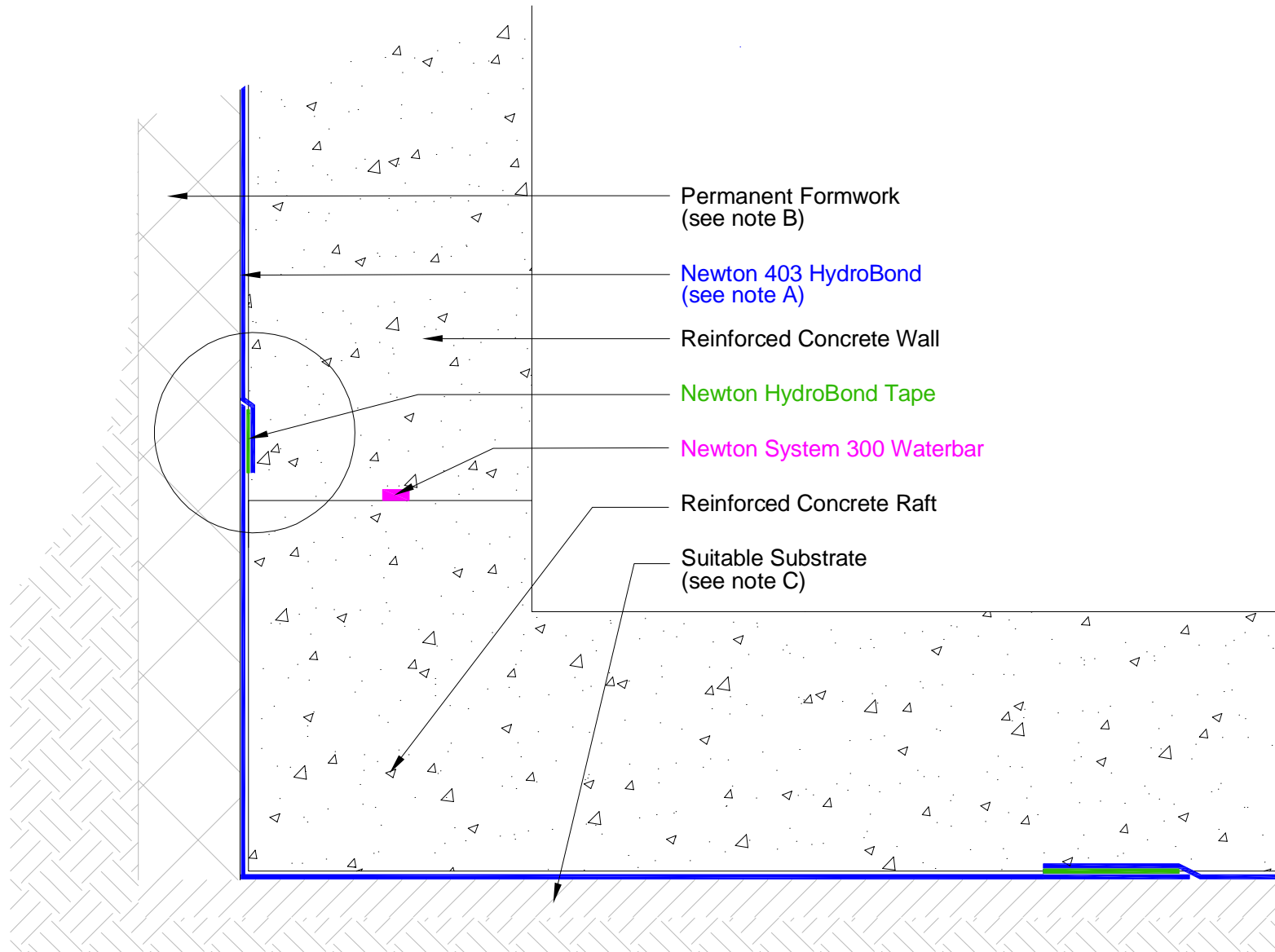


Section

DO NOT SCALE

Notes



This drawing shows a typical method of waterproofing a raft foundation RC structure. Construction should be to BS EN 1992 (Eurocode 2) and capable of resisting heads of water pressure as required by BS8102.

A) Newton 403 HydroBond is a mechanically bonded and self-healing membrane that is pre-applied ready for the placement of the concrete raft to a suitable smooth sound substrate (see note C below).

B) Types of permanent formwork include existing structures, piled walls including sheet, contiguous, secant pile etc, and king post walls. The permanent formwork should be smooth, sound and uniform to provide full and continuous support for the membrane. The permanent formwork can be lined with a suitable closed cell insulation if required. Please speak to our technical department with regards to methodology for the facing off of irregular shaped permanent formwork.

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.

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 permanent formwork.

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.