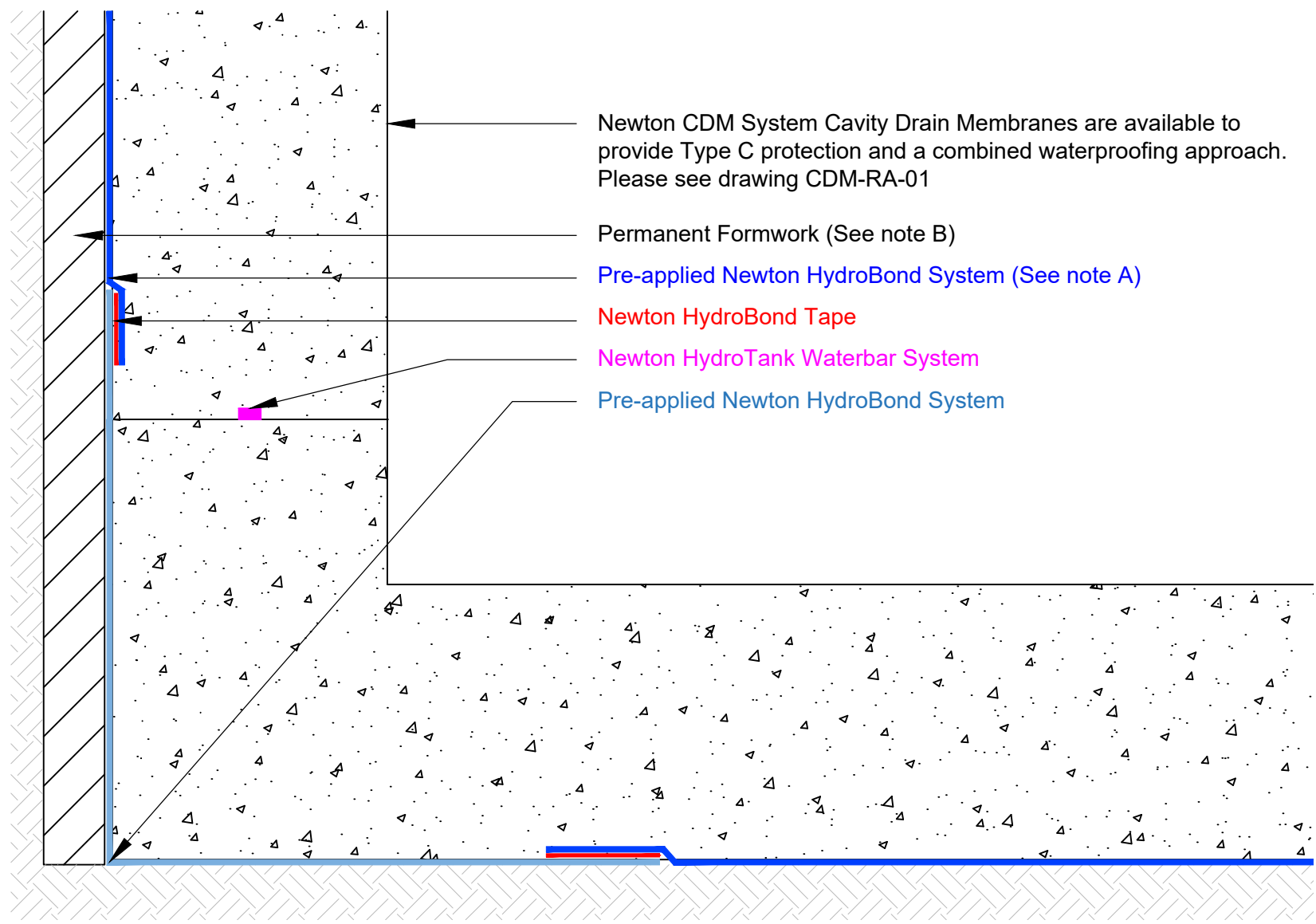


SECTION

DO NOT SCALE

Notes



Newton CDM System Cavity Drain Membranes are available to provide Type C protection and a combined waterproofing approach. Please see drawing CDM-RA-01

Permanent Formwork (See note B)

Pre-applied Newton HydroBond System (See note A)

Newton HydroBond Tape

Newton HydroTank Waterbar System

Pre-applied Newton HydroBond System

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 Pre-applied 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.

Suitable horizontal supports for Newton Pre-applied HydroBond membrane 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.

This detail is intended as guidance only and provides an understanding of how the products and systems can be configured as part of a waterproofing strategy; and should not be understood as being the project waterproofing design or that Newton are fulfilling the role as appointed waterproofing designer as recommended by BS 8102:2022.

Newton or our delivery partners can fulfil the appointed role of waterproofing designer. Please speak to our Technical Team for further information.

To access further details and relevant technical information please call our Technical Team on 01732 360 095 or refer to our [website](#).

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.

Reference	HB-01	Designed	AJG
Revision	B	Drawn	AJG
Date	20/11/2023	Checked	