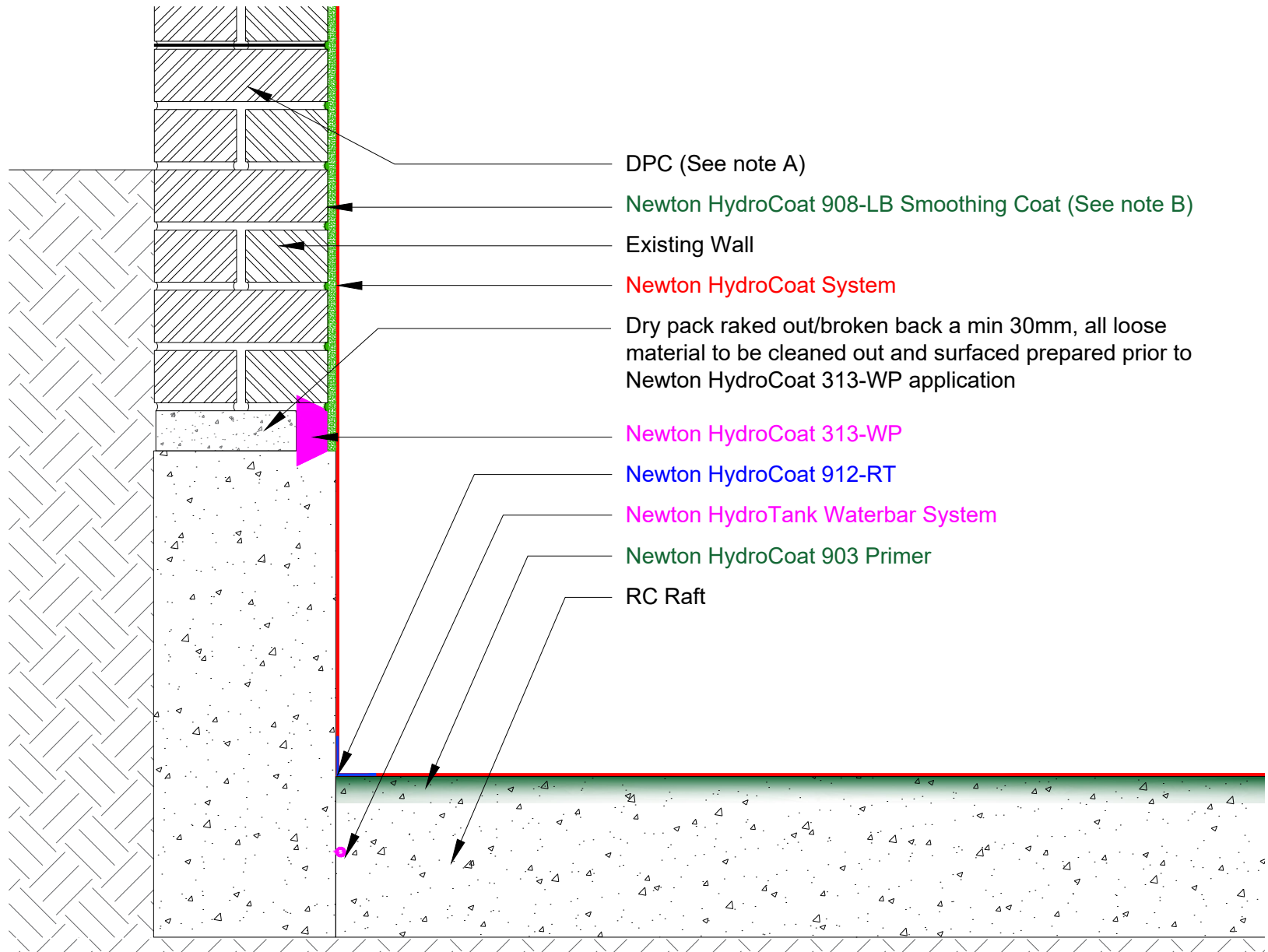


SECTION

DO NOT SCALE

Notes



DPC (See note A)

Newton HydroCoat 908-LB Smoothing Coat (See note B)

Existing Wall

Newton HydroCoat System

Dry pack raked out/broken back a min 30mm, all loose material to be cleaned out and surfaced prepared prior to Newton HydroCoat 313-WP application

Newton HydroCoat 313-WP

Newton HydroCoat 912-RT

Newton HydroTank Waterbar System

Newton HydroCoat 903 Primer

RC Raft

This detail shows a waterproofing solution for an underpinned earth retaining wall.

A. The existing plaster will need to be removed to above the DPC or if no DPC exists to 1200mm above external ground levels. The DPC can either be an existing viable dpc or a new Newton 804-DPC injected dpc.

The dry pack used within underpinning contains a large amount of free lime which can cause limescale build up within the drainage channel of the Newton CDM System should water enter through the dry pack. Joints between pins should be waterproofed with Newton HydroTank System.

B. A 10mm thick smoothing coat of Newton HydroCoat 908-LB smoothing coat may be required on brick and blockwork walls.

Newton HydroCoat 908-LB is an additive that is mixed with water & cement to form a bonding coat to add mechanical adhesion of subsequent plaster layers. Newton HydroCoat 908-LB is also added to the gauging water within the render mix where it significantly improves the bond to the mortar and waterproofs the render mix.

C. All construction joints (day joints, shrinkage joints, movement joints etc) should be waterproofed with Newton HydroTank System waterbars to limit water ingress through joints in the structure.

Please note, these details will only accommodate minor movement between wall and slab.

If a vapour barrier is required please refer to the Newton Technical Department.

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	JN-HC-07	Designed	DGB
Revision	B	Drawn	AJG
Date	26/09/2023	Checked	DB/TC