

 SGi Consulting Engineers 45 Cross Street, Manchester M2 4JF	Project			Job no.	
	Russell Road			C1811	
	Calcs for			Start page no./Revision	
	Northern Boundary Wall Survey - Appendix B			B/ 14	
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	AJB	17/07/2025	IDB	17/07/2025	IDB
					Approved date
					17/07/2025



P14A (W13 & W14)



P14B (W13)

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P14C (W13)



P14D (W12)

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P14E (W12)



P15A (Pier 2)

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P16A (Pier 1)



P17A (W06)

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P17B (W06 & W07)



P17C (W07)

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P17D (W07)



P17E (W07)

 SGi Consulting Engineers 45 Cross Street, Manchester M2 4JF	Project			Job no.	
	Russell Road			C1811	
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					17/07/2025



P17F (W07)

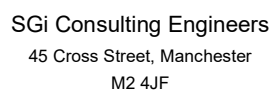


P17G (W07)

 SGi Consulting Engineers 45 Cross Street, Manchester M2 4JF	Project			Job no.	
	Russell Road			C1811	
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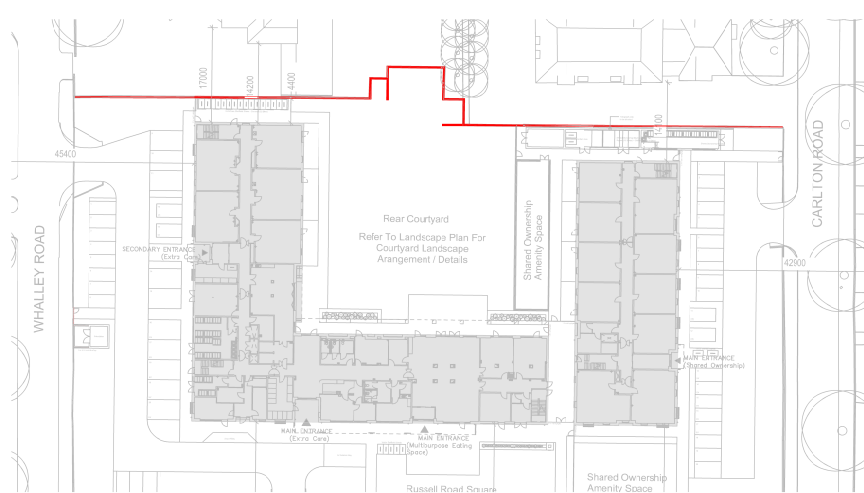


P17H (W08)

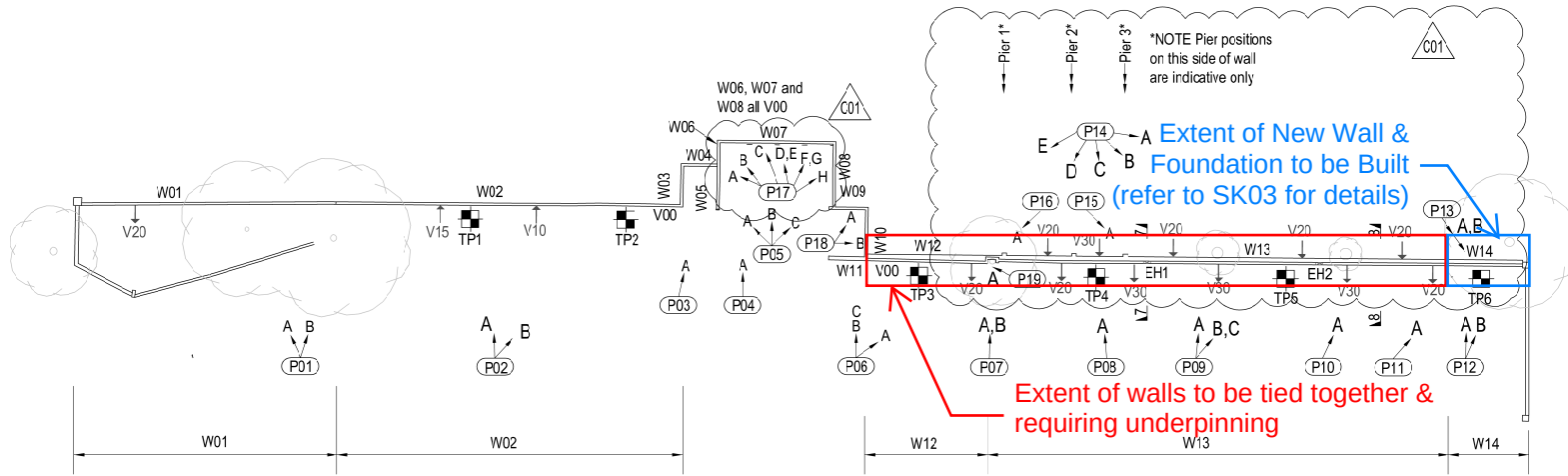


Project				Job no.	
Russell Road				C1811	
Calcs for				Start page no./Revision	
Northern Boundary Wall Survey - Appendix C				C / 1	
Calcs by	Calcs date	Checked by	Checked date	Approved by	Approved date

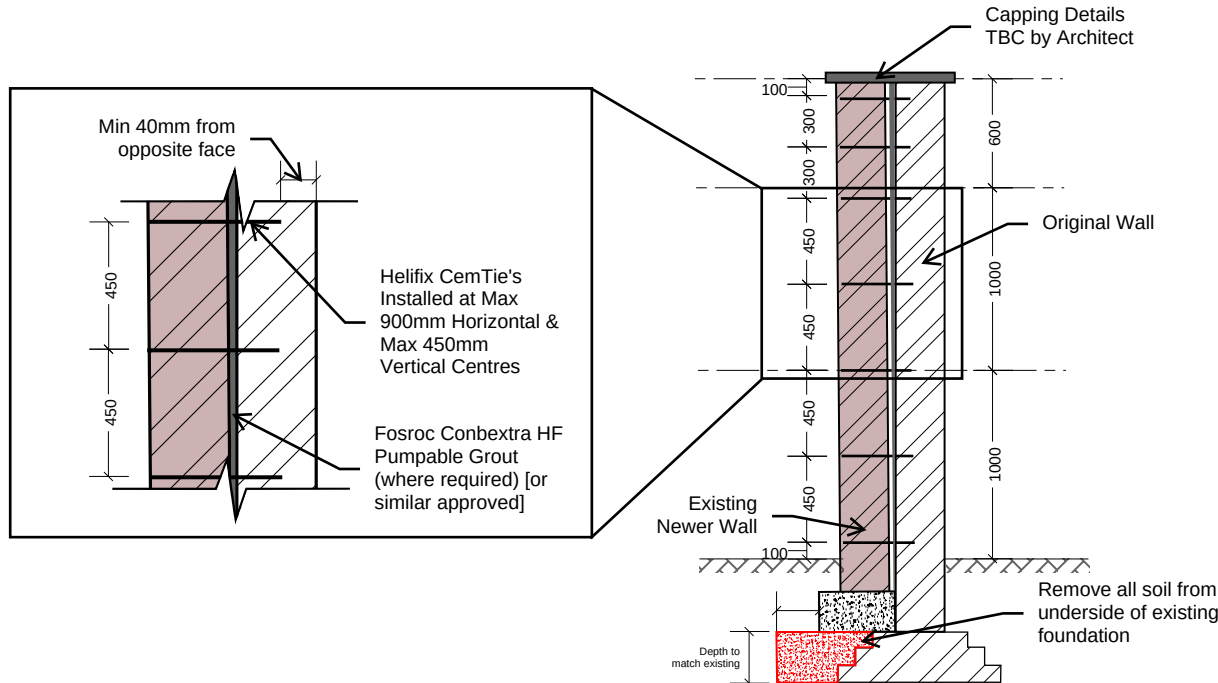
Remedial Proposals



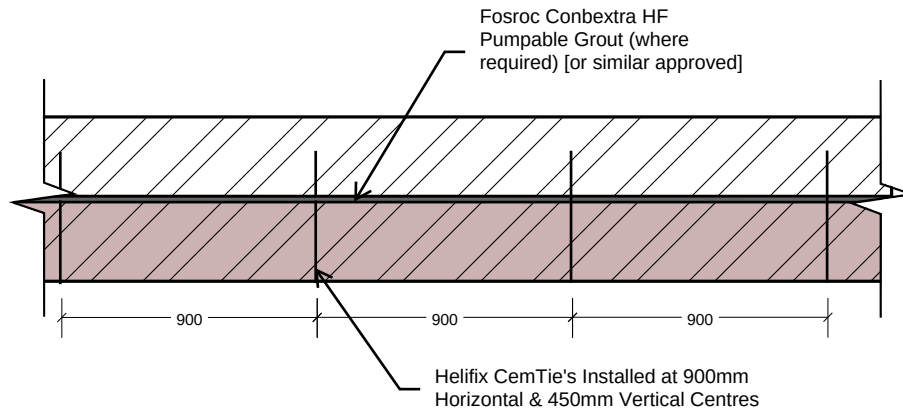
KEY PLAN (NTS)



PLAN ON BOUNDARY WALL (1:200)



Typical Wall (Vertical)Section
(Not to Scale)



Typical Wall Plan View
(Not to Scale)

Remedial Sequencing

1. Foundations

- 1.1 - Excavate pockets labelled 1 only - to underside of existing foundation (refer to GA on SK02).
- 1.2 - Cast concrete to these pockets.
- 1.3 - Excavate pockets labelled 2 only (minimum 24 hours after concrete pour to first set of pockets).
- 1.4 - Cast concrete to these pockets.
- 1.5 - Continue in sequence until all pockets are complete, allowing a minimum of 24 hours between concrete pours and next sequence.

2. Wall Ties

- 2.1 - Drill lowest row of pilot holes (in accordance with manufacturer's details).
- 2.2 - In locations where there is a gap between the walls, fill void using pumped high flow grout (Fosroc Conbextra HF Pumpable) up to the level of the holes.
- 2.3 - Re drill pilot holes if required.
- 2.4 - Install ties to this row.
- 2.5 - Repeat for the following lifts, casting one row at a time.
- 2.6 - Final capping detail to be proposed by Architect.

3. Crack Stitching

- 3.1 - Install crack stitching in all locations shown on SK03 strictly in accordance with manufacturers details and recommendations.

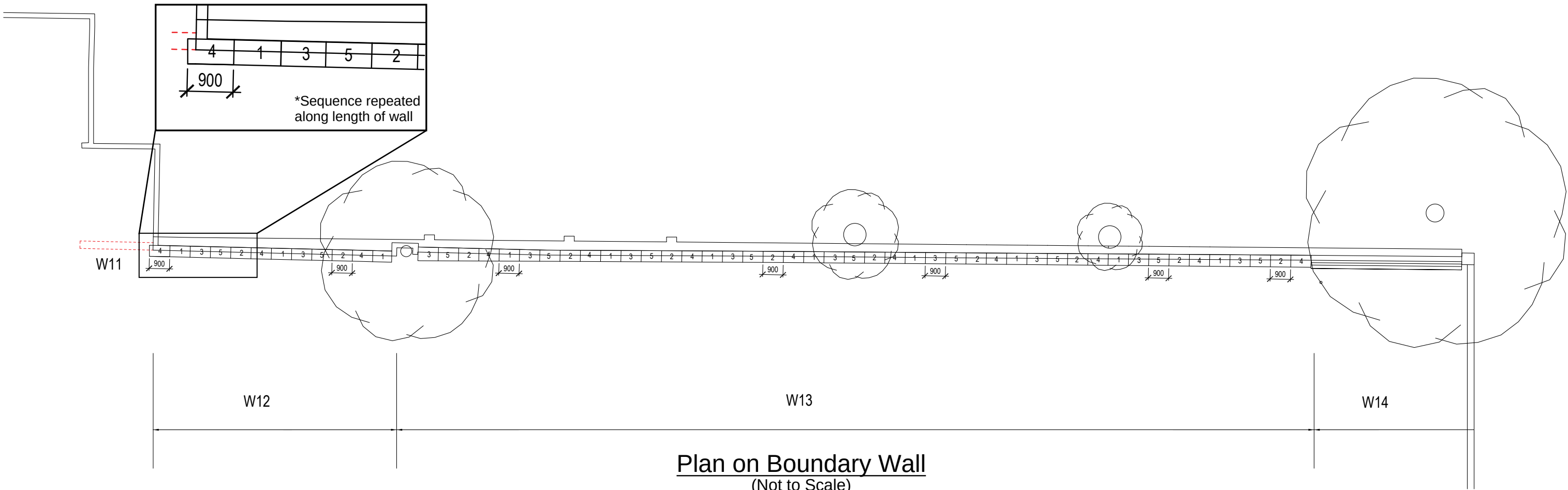
Foundation Remedial Notes

- Concrete to be RC25/30
- New concrete to be installed in maximum 900mm long pockets strictly in accordance with GA provided on SK02.
- Should any variation of existing foundations be found to that shown on these drawings, contact SGI for further advice.
- Multiple pockets of a different sequence must not be dug or cast on the same day. I.e. pockets for sequence 2 cannot be excavated until a minimum of 24 hours after pockets to sequence 1 have been cast. This is to ensure the wall always has suitable bearing along it's length at any one time.

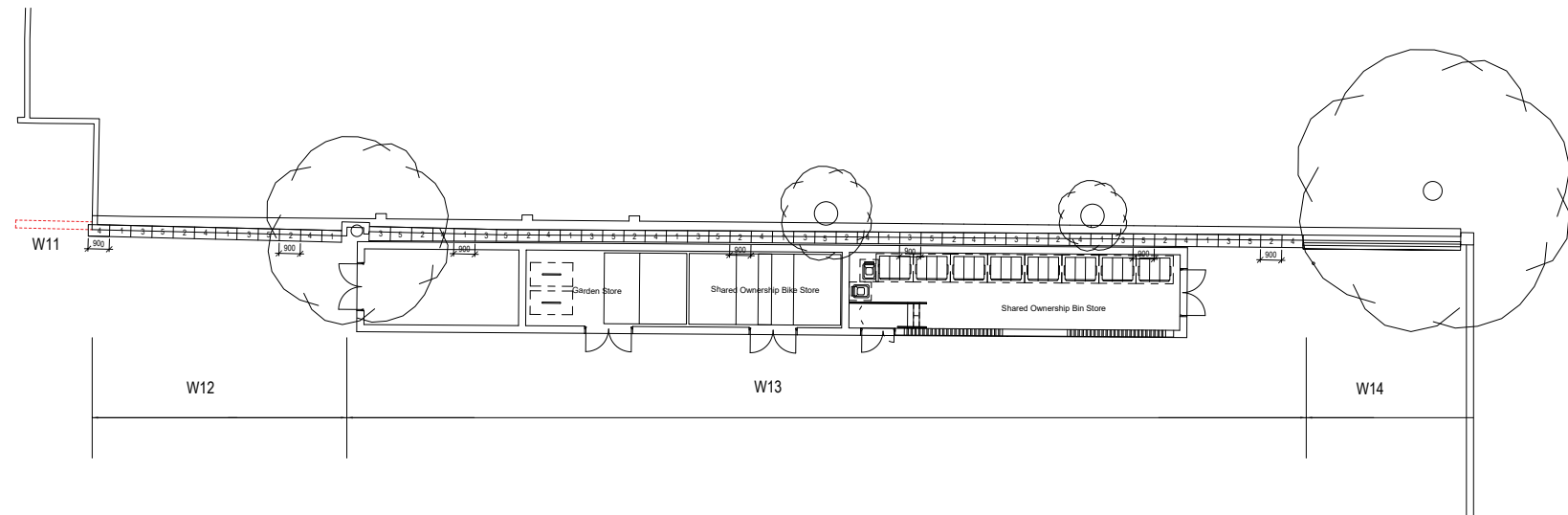
Wall Tie Remedial Notes

- Wall ties to be Helifix CemTie (minimum 355mm long) installed at maximum 450mm vertical and maximum 900mm Horizontal centres.
- Ties to be installed strictly in accordance with Manufacturer's details and recommendations.
- Alternative ties not permitted without authorisation from SGI.
- Grout only required in locations where there is a gap between the two existing masonry walls.

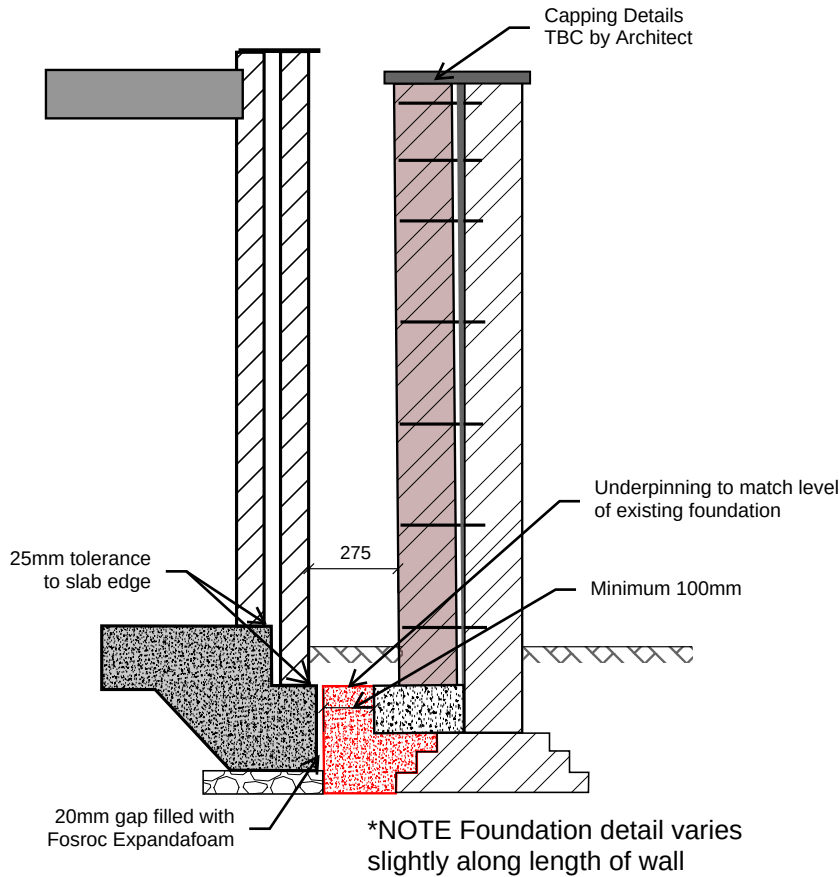
C01		CM	28/01/2026
Rev.	Description	By	Date
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CLIENT ROWLINSON CONSTRUCTION			
PROJECT RUSSELL ROAD, WHALLEY RANGE			
DRAWN BY CM		DATE JAN 2026	
TITLE REMEDIAL WORKS TO EXISTING BOUNDARY WALL (1 of 3)			
SCALE NTS	SHEET A3	DRAWING No. C1811-SK01	ISSUE No. C01



Plan on Boundary Wall
(Not to Scale)



Overlay of Bin & Cycle Store

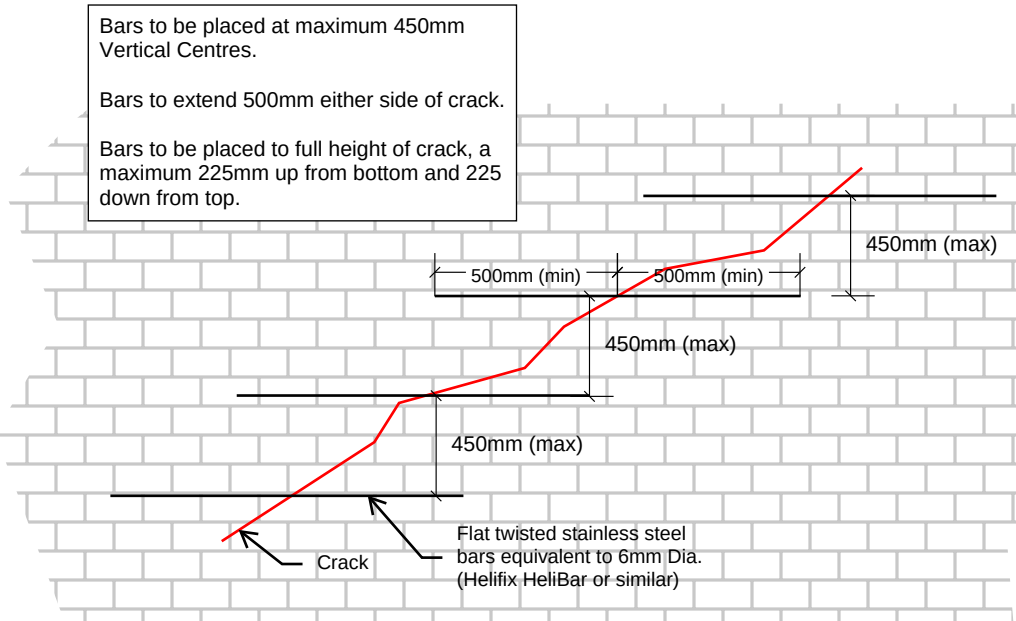


Setting Out of Bin/Cycle Store
from Boundary Wall
(Not to Scale)

C02		CM	29/01/2026
C01		CM	28/01/2026
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CLIENT			
ROWLINSON CONSTRUCTION			
PROJECT			
RUSSELL ROAD, WHALLEY RANGE			
DRAWN BY		DATE	
CM		JAN 2026	
TITLE			
REMEDIAL WORKS TO EXISTING BOUNDARY WALL (2 of 3)			
SCALE	SHEET	DRAWING No.	ISSUE No.
NTS	A3	C1811-SK02	C02



Elevation on W13



Typical Crack Stitching Detail

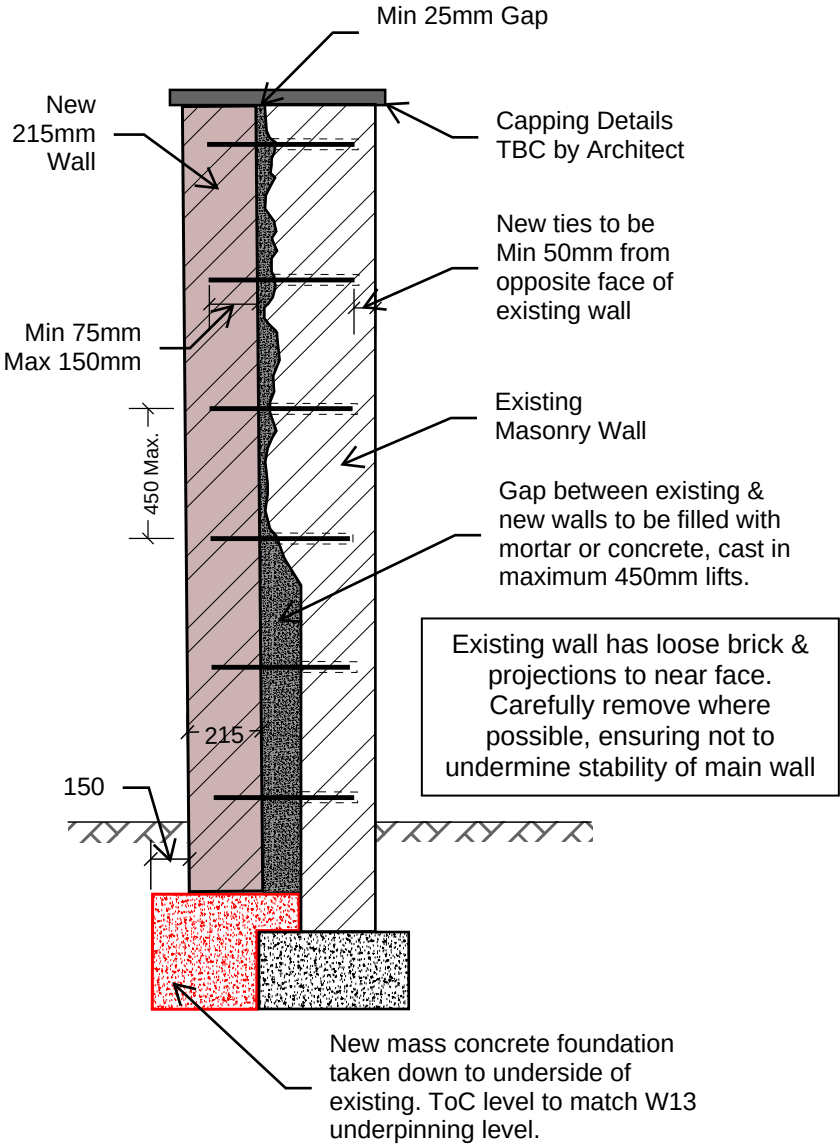
Masonry Repair - Crack Stitching

- Method Statement:
- Cut horizontal slots 40mm deep into bed joints.
 - Ensure top & bottom faces of brick are exposed within slot
 - Remove all dust & debris from slot and seal using primer (Helifix HeliPrimer or similar)
 - Cut bars to length (Helifix HeliBar or similar)
 - Inject 10mm-15mm bead of grout (Helifix HeliBond cementitious grout or similar) into back of prepared slot
 - Push bar to back of slot ensuring displacement of the grout
 - Install a further 10mm-15mm bead of grout ensuring bar is fully covered
 - Force grout into slot using finger trowel ensuring bar & grout composite is tightly packed into joint
 - Grout should finish approximately 10mm from surface of brickwork
 - Re-point masonry where required.

Notes

Pointing can commence immediately after grout has been trowelled.

Refer to manufacturers specification & recommendations for exact procedure. Should any information differ to the above, manufacturers details to take precedence.



New Wall & Foundation to W14
(Not to Scale)

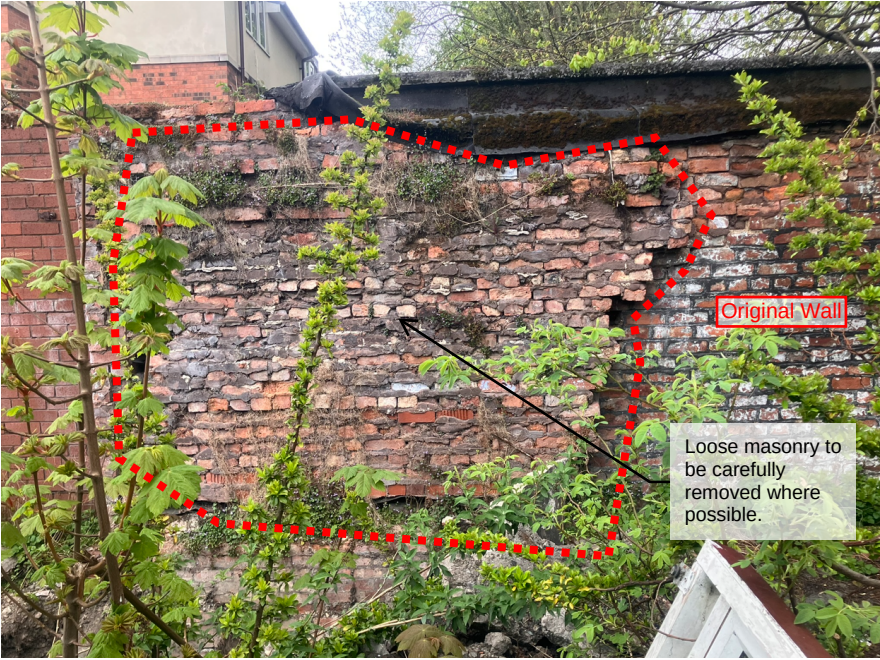


Photo on LHS of W14
(Not to Scale)



Photo on RHS of W14
(Not to Scale)

W14 Remediation Sequencing

- Carefully remove any loose masonry from previous facing wall.
- Excavate ground to expose existing foundation, being careful not to undermine the base.
- Cast new foundation to details shown in adjacent section.
- Construct new wall in 450mm lifts, using Helifix ties drilled minimum 70mm into existing wall and placed at maximum 450mm vertical and 900mm horizontal centres.
- After each lift, fill cavity with either Fosroc Conbextra GP grout or concrete.
- Finish wall with capping stone to Architect's details.

W14 Remediation Notes

- New brickwork to be Clay bricks of durability designation F2/S2 (frost resistant).
- Mortar to be Class M6.
- Concrete to foundations to be RC25/30.
- Brickwork & Mortar colours to be confirmed by Architect.
- Wall is in poor condition and should be stabilised with temporary shoring prior to carrying out any works.
- Loose brickwork is present. Where necessary carefully remove loose brickwork as required for safety during construction. The completed wall will be fully tied i.e. no need to remove loose brickwork to suit completed wall.
- New wall line to be agreed with Architect & Engineer prior to construction.
- Remedial wall ties will need cutting to length by the contractor.
- Remedial wall tie levels to suit coursing of new wall to allow them to be built in.

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