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Project:

34 CARTERS ROAD

Millie Blay
Page 1 of 2
21/01/2013

Reference: 7152

By: NT

Date: 13-4-12

Sketch: 1



GARAGE

T₁

T₂

4m

4m

0.5m

34 CARTERS RD

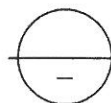
2m

T₄

2m

T₃

CARTERS ROAD



Test Location - Plan

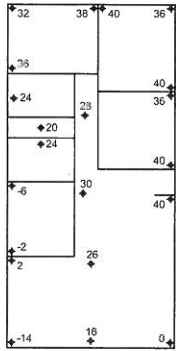
Note to Scale or Proportion

Notes:

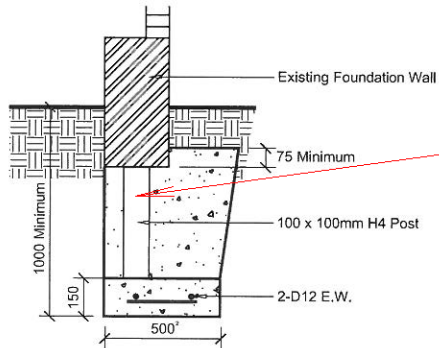
1. This plan has been produced to for the purpose of providing a reference. This is a sketch plan and is not to scale and only to approximate proportions.
2. The test locations are approximate only.

NOTES:

1. FLOOR LEVELS MEASURED WITH ZIP LEVEL ON 24/04/12



FLOOR LEVEL SURVEY & DAMAGE AREAS
SCALE 1:200

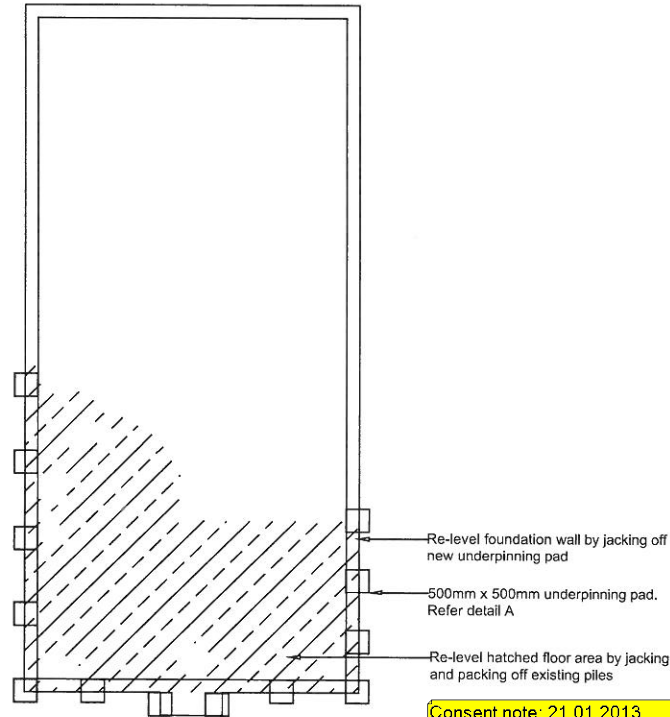


Section - Underpin Pile
SCALE 1:20

Consent note: 21.01.2013
Clarification: H5 treated timber required when in contact with the ground to meet NZS3602.

NOTES:

1. Engineer to verify 200kPa ground bearing.
2. Foundation to be re-levelled by:
 - Jacking foundation wall to be level by concurrently raising jacks.
 - Prop foundation off pad with post and wedge tight.
 - Removes jacks and excavation with concrete.
3. Lift jacks in 3mm increments.
4. Use 20mPa concrete.



FOUNDATION REPAIRS PLAN
SCALE 1:100

Consent note: 21.01.2013
Ensure reinstatement of connections meet section 6 NZS3604:2011.

SCOPE OF WORKS

The scope of works for the foundation repairs includes:


- Re-level the internal floor area and perimeter foundation wall in areas shown on plan.
- Make good damage caused by re-levelling works.

SPECIFICATION NOTES:

1. The Contractor is expected to inspect the subfloor and foundations before submitting tender to confirm access and methodology.
2. The Contractor shall have a documented health and safety procedure for the proposed lifting methodology.
3. If at any time prior to Practical Completion, the Contractor should become aware of any signs of distress, excessive settlement or deflection, conflict of components or any other indications whatsoever of actual or potential damage to the Contract Works or any part thereof, he shall forthwith notify the Engineer, and confirm such notice in writing as soon as is practicable.
4. The Contractor shall re-level the floor by both jacking the perimeter foundation wall and jacking onto of the existing piles. All lifting shall be undertaken concurrently using a series of jacks to achieve a planar floor.
5. The piles shall then be packed with timber.
6. Levels shall be measured with a laser level to ensure finished levels meet the following tolerances before reattaching bearers to piles:
 - a. Slopes in the floor between two points greater than 2m apart shall not exceed 0.5%.
 - b. The total floor height variation shall be less than 30mm.
9. The packing up of the timber floor shall be undertaken as follows:
 - a. Packers to consist of un-cracked 100mm (minimum) H5 treated timber packers.
 - b. No more than three packers to be used per pile.
 - c. Place Damp proof course between concrete and packers and secure packers with skew nails (pre-drilled if required)
 - d. Re-use existing fixings to attach piles and foundations to bearers and plates.
 - e. New fixings shall be installed where this is not possible. New fixings shall consist of proprietary nail plates with epoxied in M10 anchors or 4mm wire stapled to timber bearers and plates.
10. Contractor shall make good any cracked floor tiles, linings, windows, flooring and trim as the result of the re-levelling including easing of doors, draws and cupboards.
11. Contractor to provide PS3 for the re-levelling and epoxy application. The PS3 should include a plan showing the final levels.

Christchurch City Council
Approved Consent Plan
ABA10121857
Millie Blay
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21/01/2013

DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

 RD 2 Darfield Phone 03 4201906 Mobile 021 777993 Email: rce@rcengineers.co.nz	PROJECT TITLE 34 CARTERS ROAD, ARANUI CHRISTCHURCH	DRAWING TITLE EARTHQUAKE FOUNDATION REPAIRS	REV NO.	REVISION	DATE	APPROVED	PROJECT NO. 7152	DESIGNED SR
			1.	FOR CONSTRUCTION	July 2012	SR	SCALE @ A3 As Shown	DRAWN NT
							REV NO.	SHEET NO.
							1	S.01