

**Cunningham Lindsey United Kingdom**

Bristol Scanning P O Box 512 Bristol BS34 9BJ  
Telephone 01727 817890 Facsimile 01727 856956

Cunningham  
Lindsey

Mrs J Hill  
96A, Haverstock Hill  
LONDON  
NW3 2BD

24 June 2009

Our Ref: STHPA/GM/SM/2452270

Dear Mrs Hill

**INSURANCE CLAIM – SUBSIDENCE DAMAGE**

Following completion of the repair works we now enclose the following documentation:

- Certificate of Structural Adequacy
- Contractor Guarantees
- Copy of Schedule
- Shire Details
- A/B Drawings for Underpinning

We recommend that all the documents referred to above and previously sent to you are kept with the deeds of your home so that should any prospective purchaser require confirmation that the works were carried out in an appropriate manner, then reference can be made to these documents.

Yours sincerely  
for Cunningham Lindsey

PP H. EVANS

Greville Marchant  
*Project Management Services – Surveyor*  
Direct dial: 01727 817890  
E-mail: [PMSstalbans@cl-uk.com](mailto:PMSstalbans@cl-uk.com)

Enc

cc Home and Legacy



4603102



## Certificate of Structural Adequacy ( Substructure and Superstructure works - CL design )

Name of Property Owner: Mrs J Hill  
Address of Property: 96A, Haverstock Hill, LONDON, NW3 2BD  
Terms of Appointment: Instructed by the Buildings Insurers of the property to investigate and report on subsidence damage. To recommend mitigation measures. To recommend and arrange repairs under the terms of the buildings insurance policy.

### 1 Brief description of damage to the property:

Cracking to internal and external areas around the front entrance steps.

### 2 Cause of damage to the property

This is to certify that, as required by our Terms of Appointment, we have appraised the property as regards to the above damage which in our professional opinion has been caused by clay shrinkage subsidence.

### 3 Mitigation measures

Mitigation action included drain repairs.

This was taken on the advice of CET Safehouse Limited to remove or minimise the cause of damage identified under Section 2 above.

The property was monitored by us from September 2006 to October 2007 and found to be unstable.

### 4 Superstructure repairs/redecoration

Repair work has been undertaken to the property. The works consisted generally of crack repairs and re-decoration all as detailed on the attached specification prepared by Goodyer Limited for Cunningham Lindsey.

The work was undertaken by Goodyer Limited.

### 5 Shire Stabiliser Installation

We confirm that we have carried out our design work in relation to the Shire stabiliser design, exercising reasonable skill, care and diligence. From visual inspections in accordance with the Terms of Appointment, we confirm that the works are designed to enhance the loadbearing capability of the existing foundations and having been installed in accordance with the design referred to above, verified by the attached site installation record sheets, the repair should achieve the objective of stabilising the foundations of the property against progressive movement at the installation locations where those foundations had previously shown signs of structural movement.



**6 Underpinning Certificate**

We confirm that we have carried out our design work in relation to the remedial works required to the foundations of the property, exercising reasonable skill, care and diligence. From visual inspections in accordance with the Terms of Appointment, we confirm that the works appear to have achieved the objective of stabilising the foundations of the property against progressive movement at the locations where those foundations had previously shown signs of significant structural movement.

Signed: ..... 

Date:

For the Underpinning Contractor:

Signed: ..... 

Date:

For Cunningham Lindsey :

**7** This Certificate should be read in conjunction with the accompanying drawings and schedule, reference 2452270. This Certificate is a considered professional opinion and is not a warranty or guarantee as regards the works undertaken, and no liability shall attach to us except to the extent that we have failed to exercise reasonable skill, care and diligence in the provision of our services under our Terms of Appointment. This Certificate does not in any way increase our liability beyond that agreed under the Terms of Appointment. This Certificate is not a Certificate of Design of Construction as defined in The Building Act 1984 and The Building (Approved Inspectors, etc.) Regulations.

This Certificate is for the sole benefit of the above-named Property Owner and may not be relied on by any other person whatsoever. In the event that the above named Property Owner wishes to transfer of the benefit of this Certificate to another party then Cunningham Lindsey are to be informed.

Signed: ..... 

For Cunningham Lindsey

Date: 24 June 2009

Address: Bristol Scanning, P O Box 512, Bristol BS34 9BJ

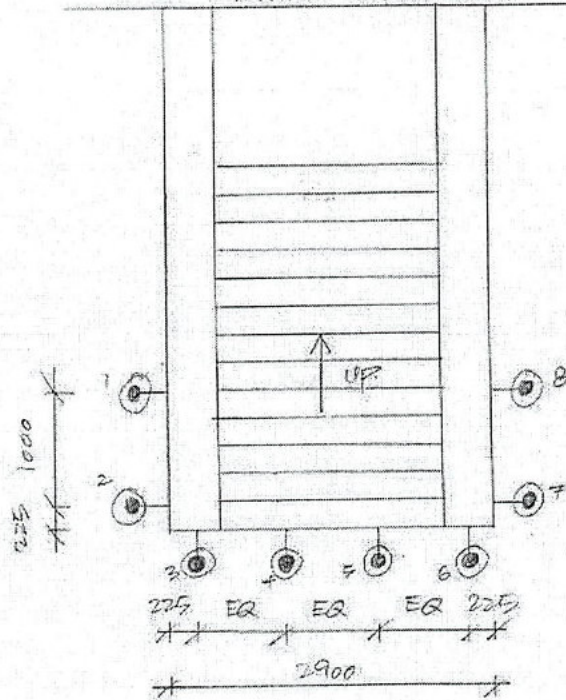
Ref. No.: STHPA/2452270

NAME: 96 Haverstock Hill	JOB REF: 2452270
PROJECT: Shire Scheme	SHEET NO/REV: 1/1

Cunningham  
Lindsey

National Design Office  
Solent House, 1460 Solent Business Park, Whiteley  
Fareham, Hants PO15 7AF  
Telephone: 01489 587785 Facsimile: 01489 585817

**CALCULATIONS**  
MAIN BUILDING



PILE LAYOUT PLAN (Scale 1:50)

**ALL NOTES:**

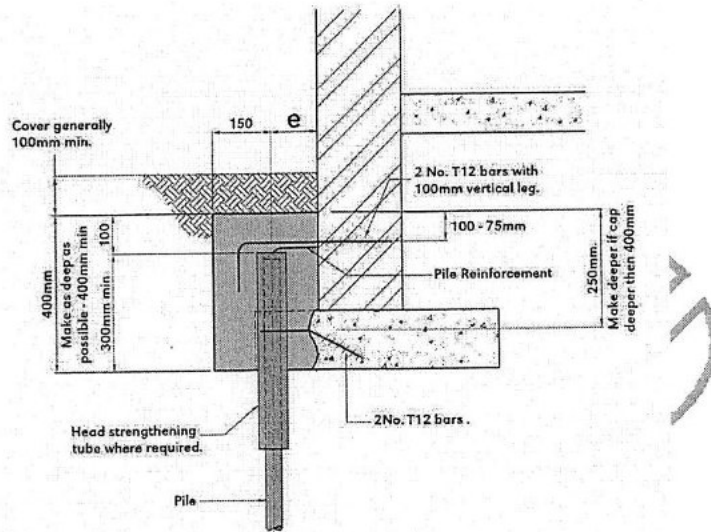
1. ALL STABILISERS TO BE INSTALLED AT MAXIMUM SPACING OF 1000mm MAX CTRS.
2. THOR EA 380 ML TO BE USED FOR ALL HEAD CONNECTION DETAILS.
3. CONTRACTOR TO LOCATE ALL SERVICES PRIOR TO WORK COMMENCEMENT.
4. PROJECTION OF EXISTING FOUNDATIONS TO BE LOCALLY REMOVED.

CALC BY: <i>Forg</i>	DATE: <i>2/9/08</i>	CHCK'D BY:	DATE:
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3.2.1 Remedial Connection Detail - Solid Wall & Concrete Foundation  
500mm to 800mm deep with cover to cap



Notes:

Design Specific:

1. Design Calculation Type 1

General:

1. Support to be as close to face of wall as possible. Generally target  $e=120\text{mm}$ .
2. Excavations to be 300mm wide on plan.
3. Break out spread/foundation where possible to allow for supports to be set close to face of wall.
4. Scrape/wash face of wall to form shear key.
5. Reinforcement to be generally 125mm min. penetration.

Loading:

Top 1.25m tube size	Allowable connection load - kN					
	Distance from face of wall - m					
	0.1m	0.12m	0.15m	0.18m	0.2m	0.25m
40mmØ	31.5kN	26.3kN	21.0kN	17.5kN	15.8kN	12.6kN
60mmØ	54kN*	48.8kN	39.0kN	32.5kN	29.3kN	23.4kN
40mm+60mmØ	54kN*	54kN*	54kN*	46.5kN	41.9kN	33.5kN

\* These loads are limited by the shear capacity of the connection and not the bending of the support.

### SHIRE INSTRUCTION

Policyholder: Mrs J Hill

Our Ref:STHPA/HAE/2452270

Further to our recent conversation, please find attached our Contractor's Instruction sheet + sketch and Head Connection Detail, for the proposed Shire scheme, for issuing onto Goodyer.

***B.Regis will not be required for this scheme.***

NDO Input complete.

To now get the works to site. please:

- 1/ Send a copy of the SI Report to the Superstructure Contractor (if available).
- 2/ CDM documents (Risk assessments & Method Statements, where required) to be approved by the Planning Supervisor.
- 3/ F10 to be issued to the H&SE (if applicable).
- 4/ Alternative accommodation to be finalised (if applicable).
- 5/ Mandate and excess cheque to be obtained from the insured.
- 6/ Appoint the Superstructure Contractor and discuss the enabling works required and agree a start date.
- 7/ Pre-start meeting to be held.
- 8/ Schedule of superstructure works to be validated and approved.
- 9/ Forward this e-mail (by e-mail), together with the attachments, to the Superstructure Contractor.
- 10/ Advise the superstructure contractor that if the DPM is breached (if applicable), then the contractor is to ensure that measures are taken to prevent future damp ingress as required, and as discussed with you (the regional office).

Regards