

**Notes**

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**SCALE FROM THESE DRAWINGS FOR PLANNING PURPOSES ONLY; ALL MEASUREMENTS TO BE CHECKED ON SITE FOR CONSTRUCTION PURPOSES**

EDITION 11.3

1. This edition incorporates alterations 1 through 5 of the BN Howe letter of 20th February 2010

2. This edition has amended notes on the Section A-A drawing on sheet 2, removing reference to a cavity filled masonry and block wall and inserting reference to a masonry faced timber frame insulated wall.

3. This edition to be read in conjunction with the accompanying schedule of work supplied by HOME PLAN-IT Ltd.

4. This edition has a Connection Elevation Detail drawing addition to Sheet 2 and a dimensioned floor plan of the new extension on the new Sheet 3.

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HOME PLAN-IT Limited is registered in the UK under Company No. 5269104  
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**Project:**  
 Side extension to provide toilet & kitchen facilities

**Site Address:**  
 Bosham Church (Our Lady of Assumption),  
 Fairfield Road, Bosham PO18 8JH

**Title:** Remedial foundation depths  
 HIGH WATER HIGH SHRINKAGE

**Drawing No:**  
 Edition 11.3 Sheet 4A

**Client:** St Richard's Parish, Chichester  
 Parish Admin Office  
 Cawley Road  
 Chichester  
 PO18 1XB

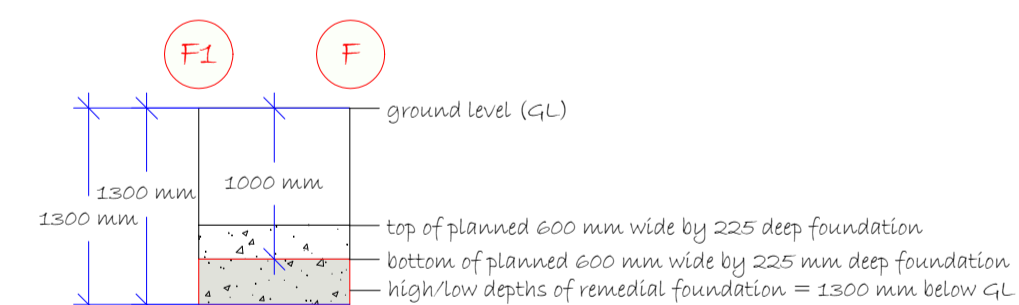
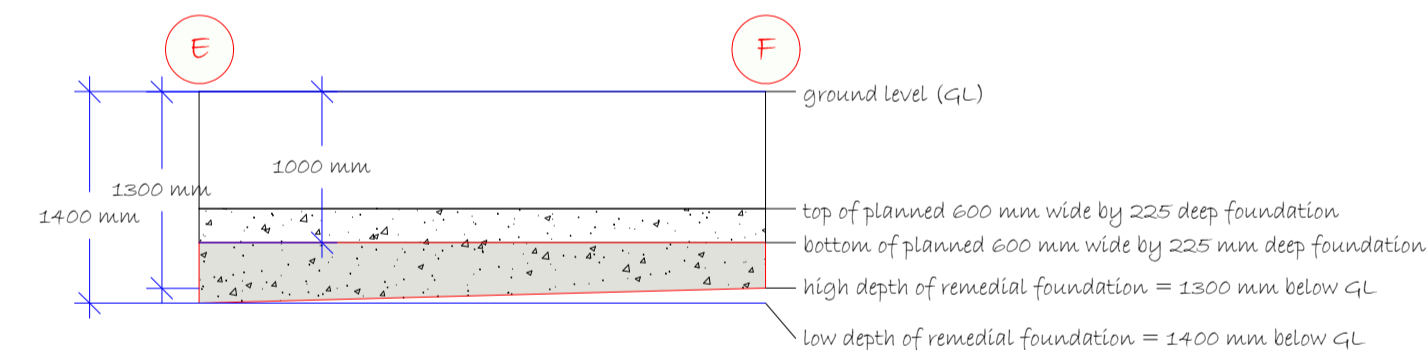
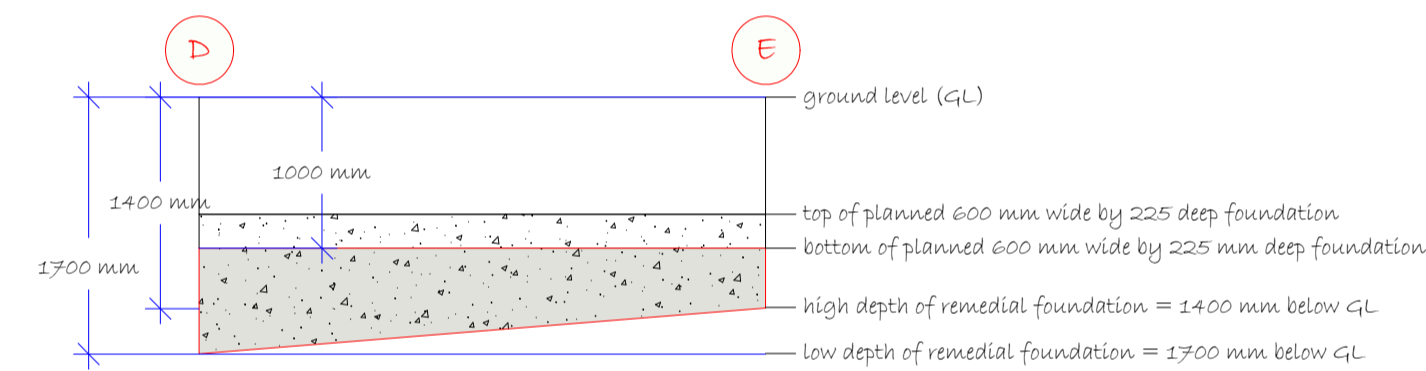
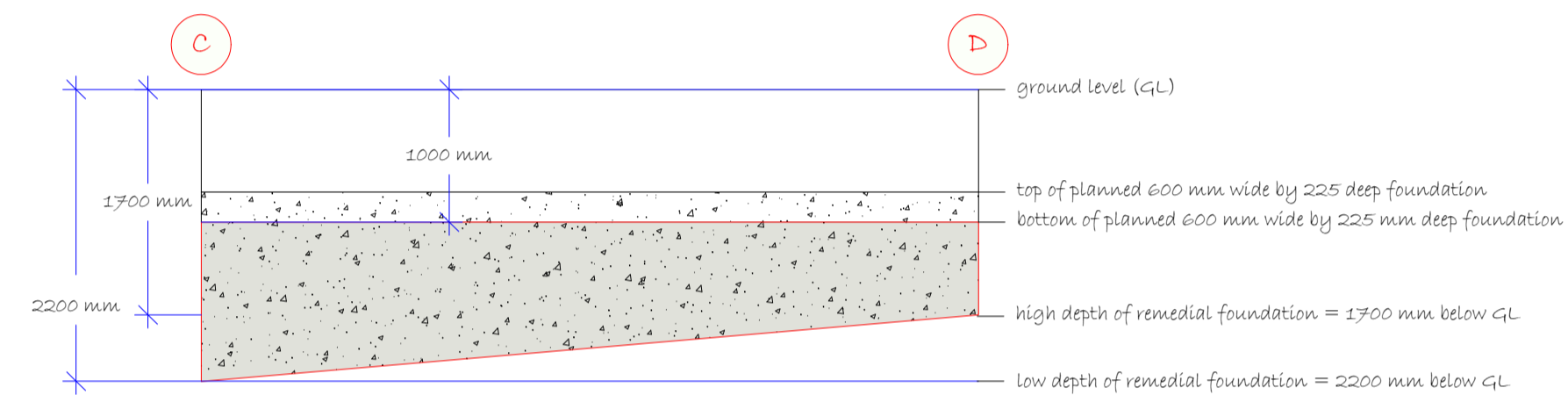
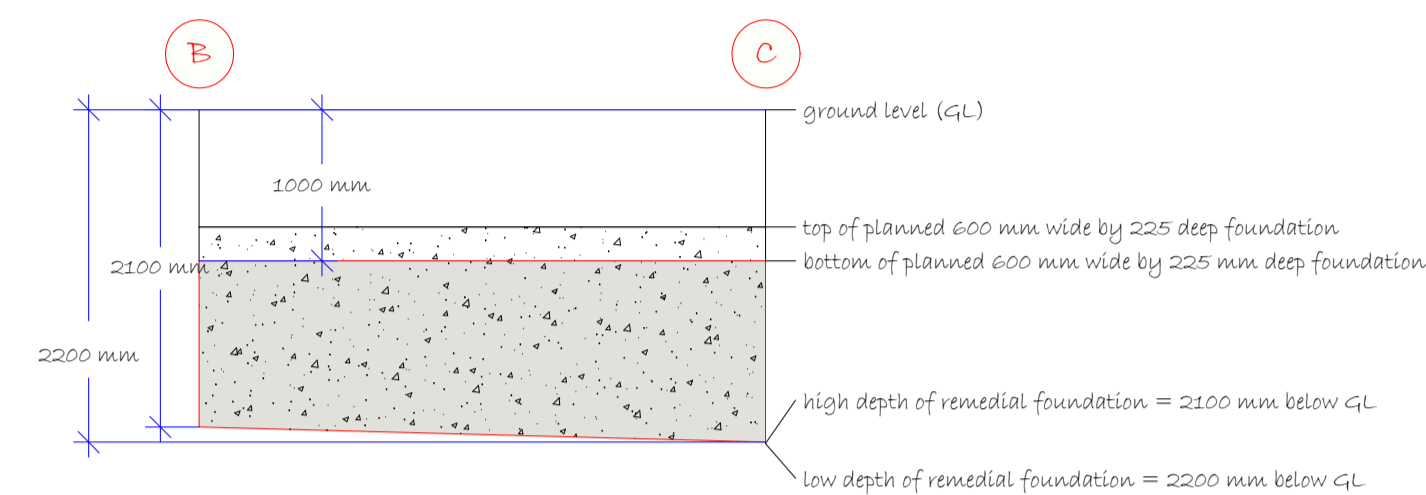
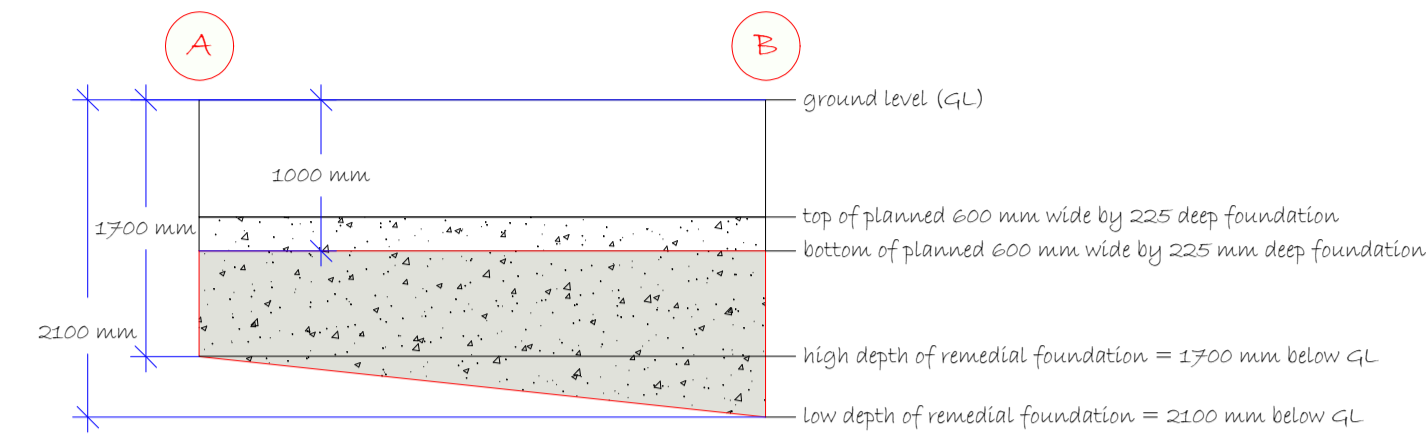
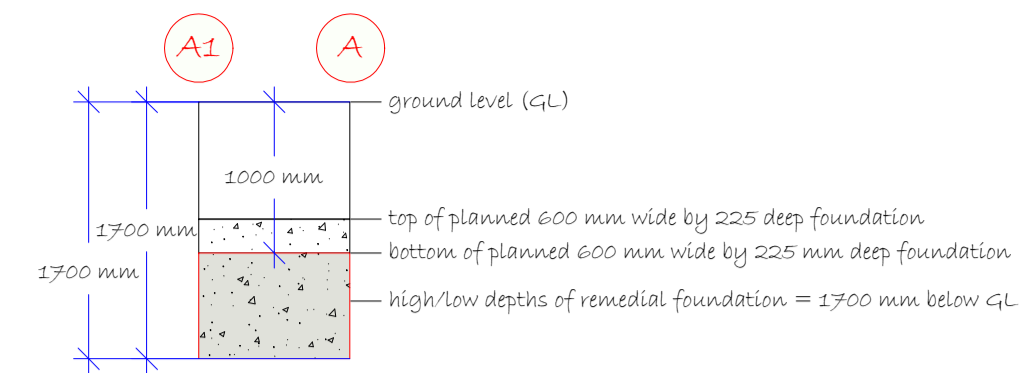
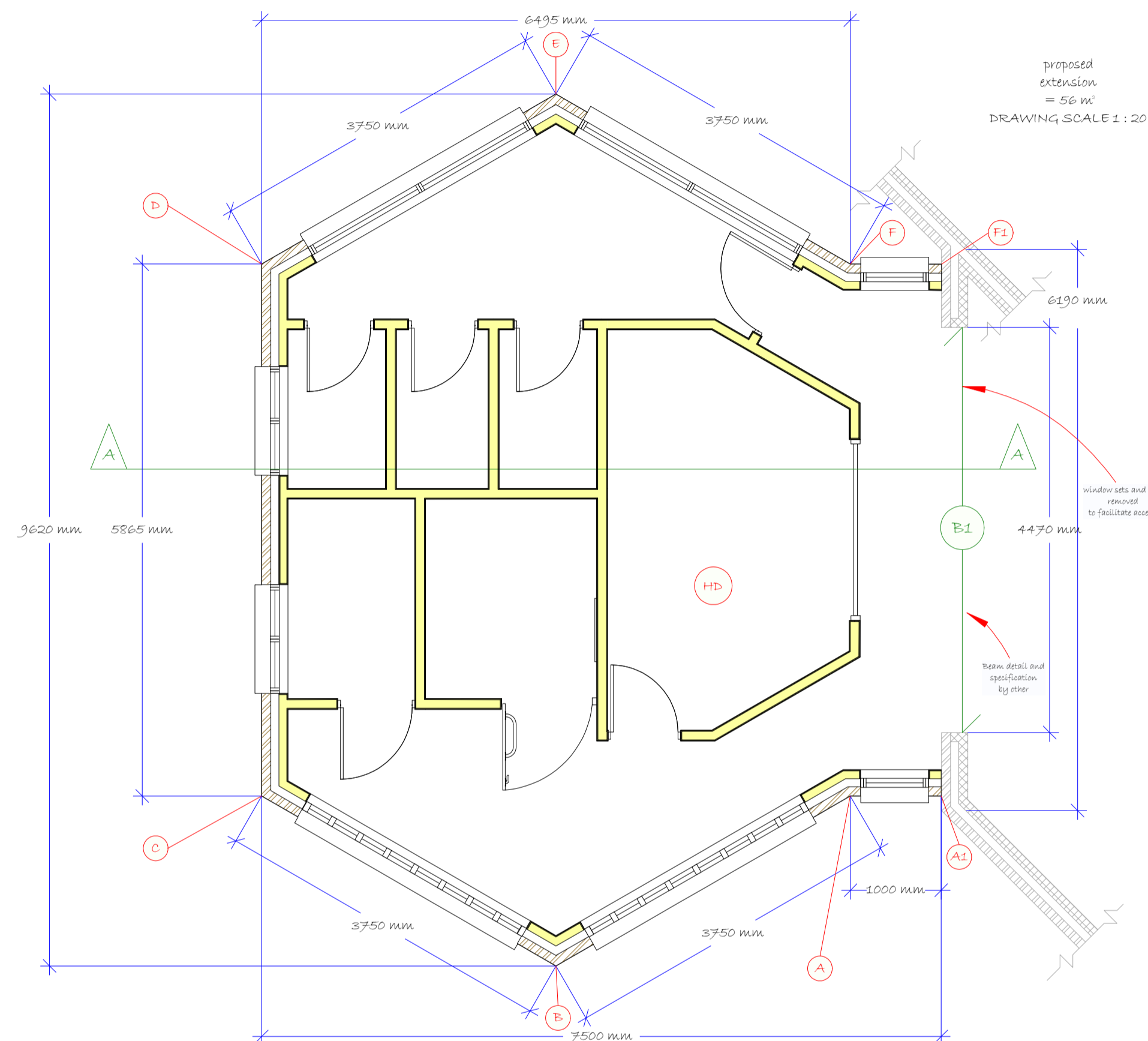
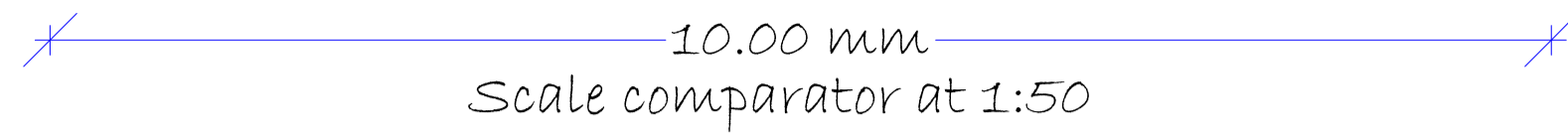
**Scale:** 1:50  
**Date:** November 2011 (Addendum)

**DISTANCES FROM OAK**

- A1 = 19.2 M
- A = 18.2 M
- B = 14.4 M
- C = 13.3 M
- D = 18.3 M
- E = 21.6 M
- F = 22.2 M
- F1 = 23.2 M

Mature height potential of oak = 20 m.  
 HIGH shrinkage soil & HIGH water demand tree.

Source: NHBC Appendix 4.2C Table 14 Broad Leafed Trees



**BOSHAM CHURCH EXTENSION FOUNDATIONS HIGH WATER DEMAND TREE & HIGH SHRINKAGE SOIL**

RUN	A1-A	A-B	B-C	C-D	D-E	E-F	F-F1	Total
Planned depth (mm) of foundation 1000 mm below G.L. = Depth 1 (m)	0.225	0.225	0.225	0.225	0.225	0.225	0.225	
Length (m)	1.000	3.750	3.750	5.865	3.750	3.750	1.000	22.865
Width (m)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	
<b>Total Volume for planned foundation = V1 (m3)</b>	<b>0.135</b>	<b>0.506</b>	<b>0.506</b>	<b>0.792</b>	<b>0.506</b>	<b>0.506</b>	<b>0.135</b>	<b>3.087</b>

**PLANNED FOUNDATION EARTH TO BE REMOVED FROM SITE**

RUN	A1-A	A-B	B-C	C-D	D-E	E-F	F-F1	Total
Planned depth (mm) of foundation 1000 mm below G.L. = Depth 1 (m)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Length (m)	1.000	3.750	3.750	5.865	3.750	3.750	1.000	
Width (m)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	
<b>Total Volume of planned earth = VE1 (m3)</b>	<b>0.600</b>	<b>2.250</b>	<b>2.250</b>	<b>3.519</b>	<b>2.250</b>	<b>2.250</b>	<b>0.600</b>	<b>13.719</b>

**REMEDIAL FOUNDATION ADDITIONAL DEPTHS BELOW PLANNED 1 METRE DEPTH**

DEPTH	A1-A	A-B	B-C	C-D	D-E	E-F	F-F1	Total
Depth 2 Low (m)	0.700	1.100	1.200	1.200	0.700	0.400	0.200	
Length (m)	1.000	3.750	3.750	5.865	3.750	3.750	1.000	22.865
Width (m)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	
Volume 2 (m3)	0.420	2.475	2.700	4.223	1.575	0.900	0.120	12.413
Depth 3 High (m)	0.700	0.700	1.100	0.700	0.400	0.300	0.200	
Length (m)	1.000	3.750	3.750	5.865	3.750	3.750	1.000	22.865
Width (m)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	
Volume 3 (m3)	0.420	1.575	2.475	2.463	0.900	0.675	0.120	8.628

Volume 2 - Volume 3 = Volume 4 (m3)	0.000	0.900	0.225	1.760	0.675	0.225	0.000	3.785
Volume 4 x 50% = Volume 5 (m3)	0.000	0.450	0.113	0.880	0.338	0.113	0.000	1.892

<b>V3 + V5 = V6 (total additional foundation Volume m3)</b>	<b>0.420</b>	<b>2.025</b>	<b>2.588</b>	<b>3.343</b>	<b>1.238</b>	<b>0.788</b>	<b>0.120</b>	<b>10.521</b>
<b>V1 + V6 = V7 (Total foundation Volume m3)</b>	<b>0.555</b>	<b>2.531</b>	<b>3.094</b>	<b>4.135</b>	<b>1.744</b>	<b>1.294</b>	<b>0.255</b>	<b>13.607</b>

**REMEDIAL FOUNDATION EARTH TO BE REMOVED FROM SITE**

Original earth planned for removal = Volume E1	13.719
Additional earth for removal = Volume 6	10.521
<b>Total earth volume to be removed from site</b>	<b>24.240 m3 Volume</b>