SACREWELL MILL, SACREWELL FARM, GREAT NORTH ROAD, THORNHAUGH, PETERBOROUGH, PE8 6HJ



ARCHAEOLOGICAL MONITORING





**FEBRUARY 2013** 

PRE-CONSTRUCT ARCHAEOLOGY R11384

## ARCHAEOLOGICAL MONITORING AT SACREWELL MILL, SACREWELL FARM, GREAT NORTH ROAD, THORNHAUGH, PETERBOROUGH, PE8 6HJ

Site Code: N/A

Report No: R11384

Central National Grid Reference: NGR TF 07905 00057

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**Commissioning Client: Purcell UK Limited** 

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#### **ABSTRACT**

Pre-Construct Archaeology was commissioned by Purcell UK Limited on behalf of the William Scott Abbott Trust to carry out archaeological monitoring of a hand-dug test pit adjacent to the south-eastern gable wall of the mid-18<sup>th</sup>-century Grade II\* Listed watermill at Sacrewell Farm, Thornhaugh, Peterborough. Heritage Lottery Funding has been granted to restore and conserve the mill and to improve visitor access. The test pit was dug in order to investigate the foundations of the mill and to gauge the suitability of the ground for construction of an external staircase. The monitoring was undertaken on 19<sup>th</sup> February 2013. The Barnack limestone foundations of the mill were revealed, in addition to the brick foundation of a small later (c. 19<sup>th</sup>-century) outbuilding or wall, and an earlier undated metalled track underlying the existing farm track to the east of the mill building.

#### 1 INTRODUCTION

- 1.1 This report details the methodology and results of archaeological monitoring carried out by Pre-Construct Archaeology (PCA) at Sacrewell Mill, Sacrewell Farm and Country Centre, Great North Road, Thornhaugh, Peterborough (Figure 1; Plate 1). The project was commissioned by Purcell UK Limited on behalf of the William Scott Abbott Trust as part of a programme of building works to restore and conserve the historic Grade II\* Listed mid-18<sup>th</sup>-century watermill and to improve visitor access. The monitoring was of a test pit adjacent to the south-eastern gable wall of the mill building. The test pit was dug in order to investigate the foundations of the mill and to gauge the suitability of the ground for construction of an external staircase.
- 1.2 The client received advice from the Peterborough City Council Planning Archaeologist, Rebecca Casa-Hatton, that due to the historic and architectural importance of the watermill, archaeological monitoring of the test pit would be required. No formal brief for archaeological work was issued. The fieldwork took place on the 19<sup>th</sup> February 2013 and was managed for PCA by Mark Hinman and supervised by Tom Woolhouse.
- 1.3 Sacrewell Farm is located approximately 8km west of Peterborough, just north-east of the junction of the A1 and A47. The watermill is situated at c. 10m OD in the valley of a small stream which flows eastwards into the river Nene (Plates 2 and 3). A farm track runs approximately north to south past the east side of the mill buildings (Plates 4 and 5). The test pit was located directly beside the wall of the building, outside the room currently used as a toilet, in a part of the building which has a shallower pitched roof and is likely to be a slightly later extension to the original mid-18<sup>th</sup>-century groundplan (Plates 6-8). The solid geology of the area is Lincolnshire Limestone (British Geological Survey); no superficial geology is mapped but deposits of alluvium are likely to occur in places along the course of the stream. The stream is prone to periodic flooding (Head Ranger, pers. comm.).

#### 2 ARCHAEOLOGICAL AND HISTORICAL BACKGROUND

2.1 Sacrewell Mill is a Grade II\* Listed mid-18<sup>th</sup>-century pitchback watermill. Domesday Book records three watermills in the Wittering area, one of which is likely to have been on this site. After the Norman Conquest, Sacrewell Farm was part of the manor of Thornhaugh and is recorded as being owned by the St Medard family. In the 16<sup>th</sup> century, the land passed to the ownership of the Bedford Estate. All the main extant buildings were constructed in around 1750, when the land went from supporting 20 or more farmers to there being just three main tenants. In 1917, the farm was bought by William Scott Abbott. He and his wife Mary were keen for the farm to prosper and benefit others, so arranged for ownership to pass to a charitable trust after their deaths.

#### 3 METHODOLOGY

- 3.1 The monitoring archaeologist was present on site on the 19<sup>th</sup> February 2013 and observed the excavation of a 0.75m square hand-dug test pit adjacent to the south-eastern elevation of the mill building. Excavation ceased at a depth of 0.57m, when the Lincolnshire Limestone solid geology was encountered.
- 3.2 All aspects of the monitoring were conducted in accordance with the Institute for Archaeologists' Code of Conduct and the Standards and Guidance for Archaeological Field Evaluations (2008), as well as the Standards for Field Archaeology in the East of England (Gurney 2003). Field techniques and guidance are detailed within the PCA fieldwork induction manual (Taylor and Brown 2009).

#### 4 RESULTS

- 4.1 Beneath the grass verge adjacent to the south-east elevation of the mill is a shallow (0.15m deep) garden soil (1). Below this, the modern asphalt surface (2) of the adjacent farm track (up to 0.10m deep) extends right up to the wall of the mill building. The surface of the farm track is constructed on top of a 0.17m deep levelling layer of small to medium-sized (<180mm) and generally flat limestone rubble fragments in a silty sand matrix (3) (Plate 13).
- 4.2 Below (3) is a compact yellowy-orange silty sand layer (4) which becomes thicker to the east (up to 0.10m) (Plate 9). This overlies a layer of fairly tightly-packed limestone rubble in sandy silt (5), similar to Levelling Layer (3) but firmer. Layer (5) becomes shallower to the east, measuring 0.13m deep adjacent to the side of the mill but only 0.05m deep at the south-east edge of the test pit. The overlying silty sand layer (4) is likely to be a flood-borne alluvial deposit from the stream located a few metres to the east. Layer (5) represents an earlier metalled surface of the farm track, still thick adjacent to the side of the mill building, but worn and therefore shallower further away from the side of the building, where most of the farm traffic is likely to have moved (Plate 13).
- 4.3 The Lincolnshire Limestone solid geology is present at 0.57m below modern ground level (Plates 11 and 13).
- 4.4 The below-ground foundations of the mill consist of four courses of roughly squared Barnack Limestone blocks (7), generally measuring around 180-220mm long x 100-120mm deep (width unknown as only seen in elevation) separated by 10mm joints containing light grey-yellow lime mortar (Plates 11 and 12). The stones are identical to the blocks used in the above-ground part of the wall apart from being slightly smaller on average. Whether there is any consistent coursing was difficult to determine within the small test pit, but the blocks appeared to be laid in a

stretcher bond. The lowest course rests on a foundation layer (0.12m deep) of rough limestone rubble fragments (each <150mm) bonded with the same lime mortar (8) and resting directly (unbonded) on the surface of the bedrock.

4.5 Directly in front of the mill's wall foundation and parallel to it was a low (0.30m high in total) north to south-aligned brick wall (9) (Plates 9 and 10). This comprised two courses of pinkish-red bricks with relatively even firing, sparse to moderate small quartz inclusions, fairy regular arises and dimensions of 220 x 68 x 52mm. The bricks were laid on their sides rather than flat and bonded with light bluish-grey cement. The brick courses were bonded to a 0.16m deep foundation of limestone rubble (10), which was cut through alluvial Layer (4) and sealed by Levelling Layer (3) and Asphalt (2). To the west, there was a 10mm gap between Brick Wall (9) and Masonry Wall (7); the two were bonded together with the same cement used to bond the bricks. The appearance of the bricks and the stratigraphic position of the wall suggest a c. 19<sup>th</sup>-century date. The wall's ephemeral construction indicates that it was associated with a small outbuilding, such as a shed or store, or a non-structural wall, rather than being part of a larger building.

#### 5 CONCLUSIONS

The monitoring identified the Barnack Limestone foundations of the mill, the later (*c*. 19<sup>th</sup>-century) brick foundation of a small outbuilding or lean-to structure, and an undated earlier metalled surface of the farm track which runs north to south past the mill buildings. The Lincolnshire Limestone solid geology is present at 0.57m below modern ground level.

#### **6 ACKNOWLEDGEMENTS**

Pre-Construct Archaeology Limited is grateful to Matthew Wittrick of Purcell UK Limited for commissioning the project and to staff at Sacrewell Farm and Country Centre for their assistance.

#### 7 REFERENCES

Gurney, D. 2003 Standards for Field Archaeology in the East of England. East Anglian Archaeology Occasional Paper No. 14, ALGAO, Gressenhall

Institute for Archaeologists 2008 Code of Conduct and Standards and Guidance for Archaeological Field Evaluations

Taylor, G. and Brown, J. 2009 *Fieldwork Induction Manual*. Pre-Construct Archaeology Ltd, London

## **APPENDIX 1: PLATES**



Plate 1: Sacrewell Mill, view north-west



Plate 2: Mill stream to east of mill, view east



Plate 3: Mill Stream to east of mill, view south



Plate 4: Farm track to east of mill, view south



Plate 5: Farm track to east of mill, view north



Plate 6: Mill building, south-east and north-east elevations, view west



Plate 7: Location of test pit



Plate 8: The shallower pitched roof (right hand side) over the current hallway and toilet of the mill is a slightly later (*i.e.* after the mid 18<sup>th</sup> century) extension



Plate 9: Silty sand alluvial deposit (4), cut by rubble foundation (10) of Brick Wall (9), view west (50cm scale)



Plate 10: Brick Wall (9), view west (50cm scale)



Plate 11: Barnack Limestone foundations (7) and (8) of mill, resting on Lincolnshire Limestone bedrock (6), view west (50cm scale)



Plate 12: Barnack Limestone foundations (7) and (8) of mill, view west (50cm scale)



Plate 13: South-facing section of test pit, showing (from top to bottom): Topsoil (1), Asphalt (2), Levelling Layer (3), Alluvium (4), (sloping down to east) Metalled Surface (5), and the Lincolnshire Limestone Natural Geology (6) (50cm scale)

### **APPENDIX 2: CONTEXT REGISTER**

Context	Туре	Category	Notes
			Soil of grass verge between south-
			east elevation of mill building and
(1)	Topsoil	Layer	farm track. Modern.
			Current surface of farm track,
(2)	Asphalt	Layer	extending under verge. Modern.
			Limestone rubble in silty sand matrix.
(-)		_	Levelling deposit for farm track.
(3)	Levelling Layer	Layer	Modern.
(4)	Alluvium	Layer	Silty sand flood-borne deposit.
			Tightly-packed limestone rubble in
	Metalled		silty sand matrix. Earlier surface of
(5)	Surface	Layer	farm track. Undated.
(6) Natural Geology Layer Lincolnshire Limestone so		Lincolnshire Limestone solid geology.	
			Squared Barnack Limestone blocks
			bonded with lime mortar. Foundation
			for south-eastern elevation of mill
(7)	Masonry Wall	Structure	building. Mid 18 <sup>th</sup> C+.
			Limestone rubble foundation for (7).
(8)	Foundation	Structure	Mid 18 <sup>th</sup> C+.
			Red brick wall foundation bonded
(9)	Brick Wall	Structure	with cement. 19 <sup>th</sup> -century?
			Limestone rubble foundation for (9).
(10)	Foundation	Structure	19 <sup>th</sup> -century?

#### APPENDIX 3: OASIS SUMMARY

#### OASIS ID: preconst1-144200

#### **Project details**

Project name Archaeological Monitoring at Sacrewell Watermill, Thornhaugh

the project

Short description of Pre-Construct Archaeology was commissioned by Purcell UK Limited on behalf of the William Scott Abbott Trust to carry out archaeological monitoring of a hand-dug test pit adjacent to the south-eastern gable wall of the mid-18th-century Grade II\* Listed watermill at Sacrewell Farm, Thornhaugh, Peterborough. Heritage Lottery Funding has been granted to restore and conserve the mill and to improve visitor access. The test pit was dug in order to investigate the foundations of the mill and to gauge the suitability of the ground for construction of an external staircase. The monitoring was undertaken on 19th February 2013. The Barnack limestone foundations of the mill were revealed, in addition to the brick foundation of a small later (c. 19th-century) outbuilding or wall, and an earlier undated metalled track underlying the existing farm track

to the east of the mill building.

Project dates Start: 19-02-2013 End: 19-02-2013

Previous/future

work

Not known / Not known

Type of project Recording project

Site status Listed Building

Current Land use Community Service 2 - Leisure and recreational buildings

Monument type WALL Post Medieval

Monument type WALL Post Medieval

Monument type COBBLED ROAD Uncertain

Significant Finds **BRICK Post Medieval** 

Investigation type "Test-Pit Survey"

Prompt Planning condition

#### **Project location**

Country **England** 

Site location CAMBRIDGESHIRE PETERBOROUGH THORNHAUGH

Sacrewell Watermill, Sacrewell Farm, Thornhaugh, Peterborough

Postcode PE8 6HJ

Study area 0.60 Square metres

Site coordinates TF 07905 00057 52 0 52 35 14 N 000 24 25 W Point

Height OD / Depth Min: 9.40m Max: 9.40m **Project creators** 

Name of Organisation

Pre-Construct Archaeology Ltd

Project brief originator

Rebecca Casa-Hatton

Project design originator

Mark Hinman

Project director/manager

Mark Hinman

Project supervisor

Tom Woolhouse

Type of

sponsor/funding

body

Charity

Name of sponsor/funding

body

The William Scott Abbott Trust

**Project archives** 

Physical Archive

Exists?

No

Physical Archive

notes

No finds

Digital Archive

recipient

Cambridgeshire County Council Archaeology Store

**Digital Contents** 

"none"

Digital Media available

"Images raster / digital photography", "Text"

Digital Archive

notes

Digital photos and grey report only

Paper Archive recipient

Cambridgeshire County Council Archaeology Store

Paper Contents

"none"

Paper Media available

"Unpublished Text"

Project bibliography 1

Grey literature (unpublished document/manuscript)

Publication type

Title Archaeological Monitoring at Sacrewell Mill, Sacrewell Farm, Great

North Road, Thornhaugh, Peterborough, PE8 6HJ

Author(s)/Editor(s) Woolhouse, T.

2013 Date

Issuer or publisher Pre-Construct Archaeology

Place of issue or

publication

Stapleford

30-page A4 bound report containing 13 digital photos and a Description

location plan of the test pit

Thomas Woolhouse (twoolhouse@pre-construct.com) Entered by

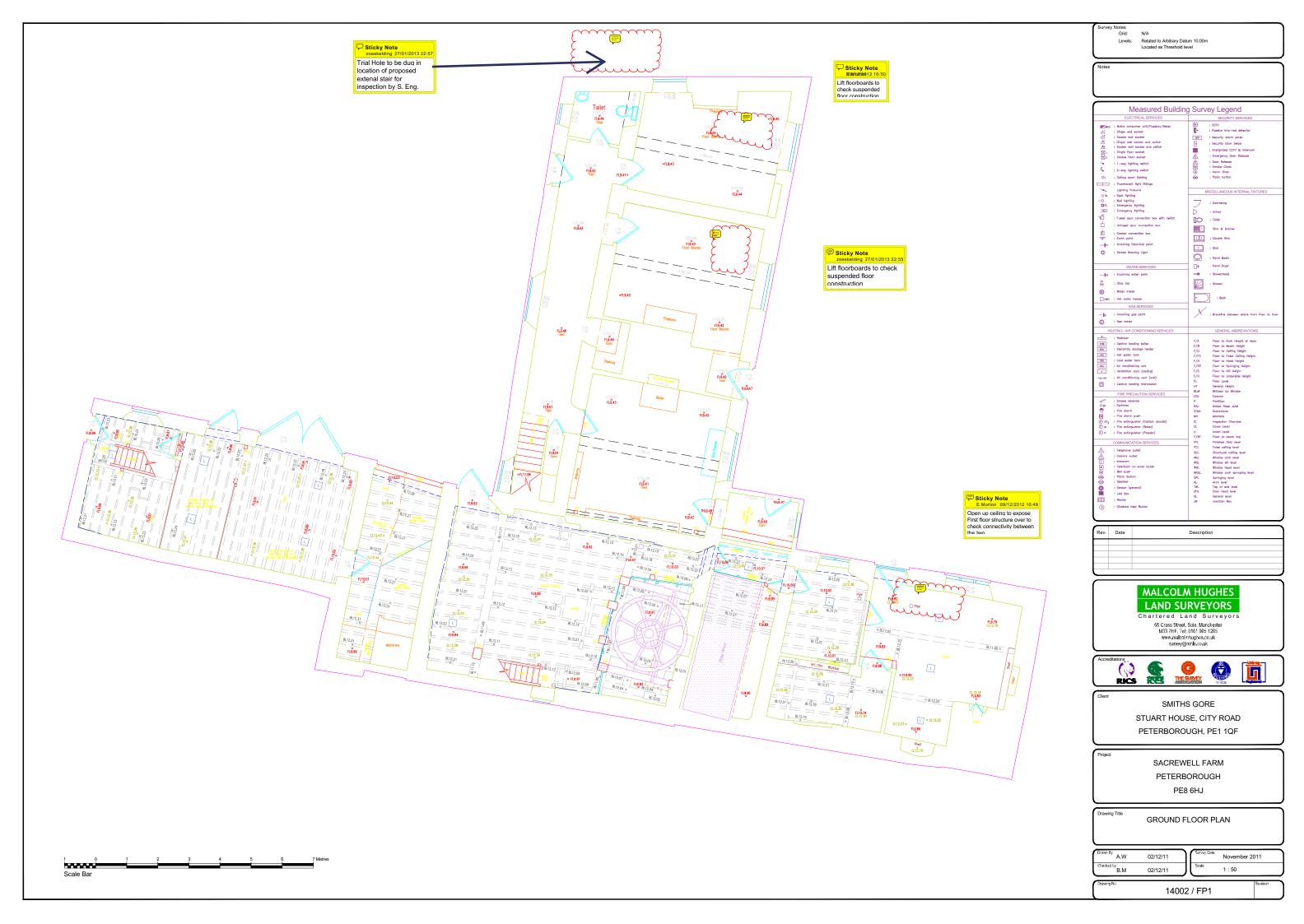
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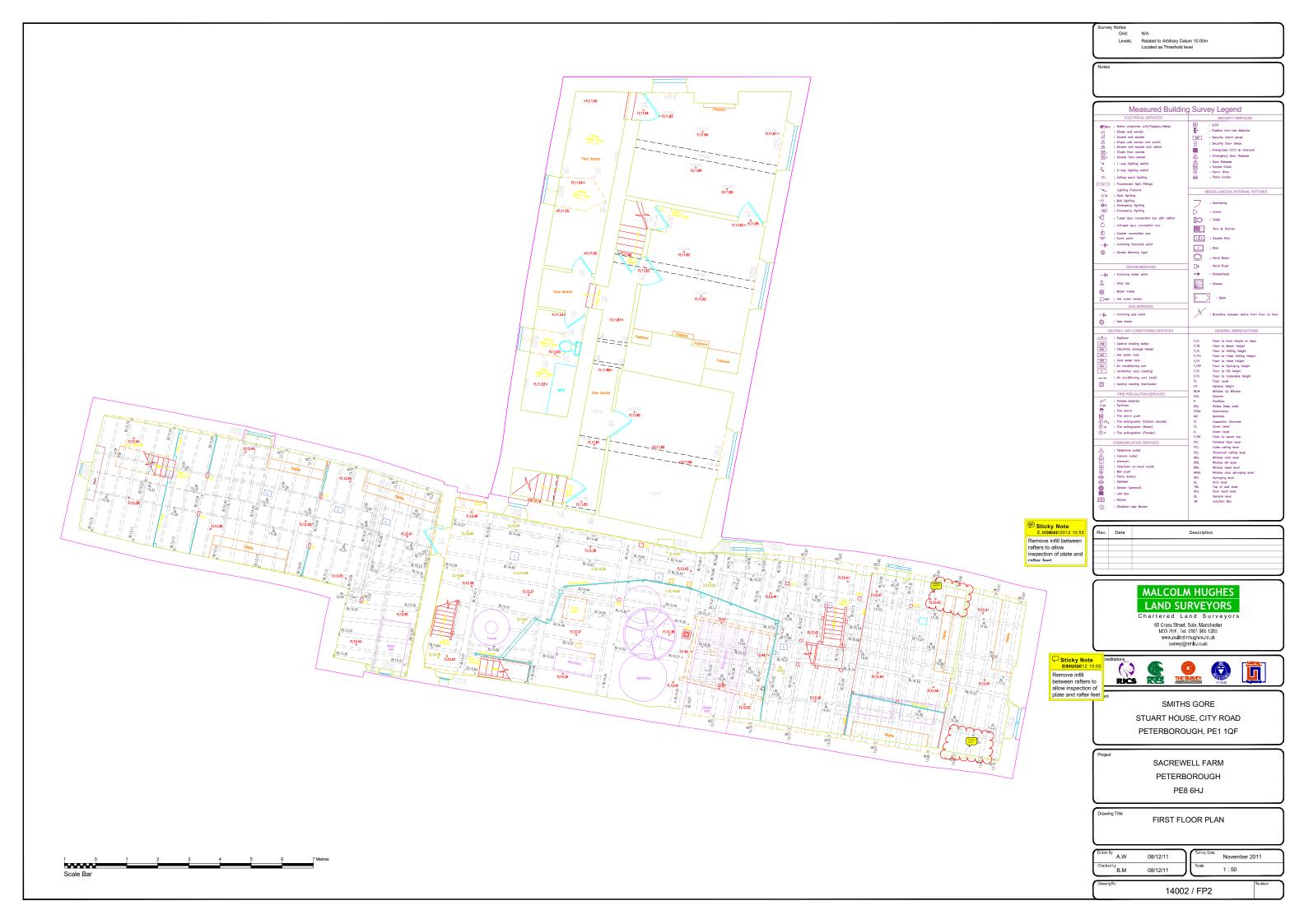
## **OASIS:**

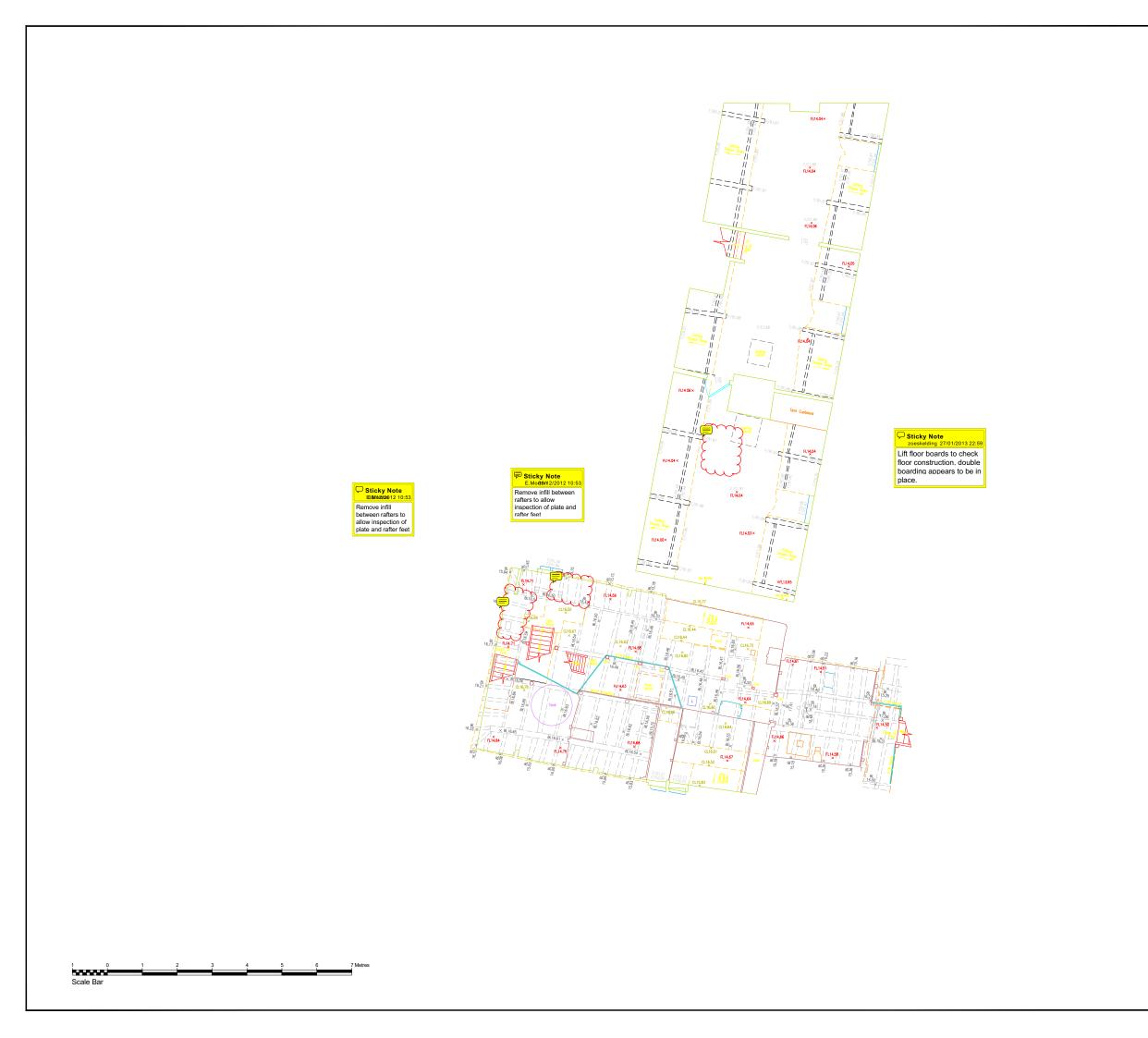
Please e-mail English Heritage for OASIS help and advice

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Cite only: http://www.oasis.ac.uk/form/print.cfm for this page







N/A Related to Arbitrary Datum 10.00m Located as Threshold level

Measured Building Survey Legend			
ELECTRICAL SERVICES	SECURITY SERVICES		
■wou : Moins consumer unit/Fusebox/Meter  - Single wall socket	: CCTV : Passive info-red detector		
☐ : Double wall socket	SAF : Security alarm panel		
i Single wall socket and switch	R : Security Door Swipe		
📇 : Double wall socket and switch	: Intergrated CCTV & Intercom		
: Single floor socket	: Emergency Door Release		
2 : Double Floor socket  1 -way lighting switch	Door Release		
	SC : Smoke Clook		
	A : Alarm Siren		
OL : Celling point lighting	Panic button		
: Fluorescent light fittings			
Ughting Pullcord  O.SL. : Spot lighting	MISCELLANEOUS INTERNAL FIXTURES		
O : Wall lighting	<del>-  </del> -		
QEL : Emergency Eighting	Doorswing : Doorswing		
EL : Emergency Eghting	: Urinal		
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: Unfused spur connection box	Sink & Drainer		
c : Cooker connection box	STok & Drainer		
· Earth point	: Double Sink		
im : incoming Electrical point	: Sink		
🔅 : Strobe Warning Light			
	: Hand Basin		
WATER SERVICES	□⇒ . Hand Dryer		
	: Showerhead		
ST : Stop top	: Shower		
(ii) : Water meter	a ; Bath		
HMH : Hot water heater	- Both		
GAS SERVICES	-		
—¶g : Incoming gas point	: Breakfine between stairs from floor to floor		
: Gas meter			
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HEATING / AIR CONDITIONING SERVICES    I Redister	F/A Floor to Arch Height or Apex F/B Floor to Been Height F/C Floor to Caffey Beight F/T Floor to Caffey Beight F/T Floor to Caffey Beight Floor to Toske Ceiling Height Floor to Toske Ceiling Height Floor to Toske Ceiling Height Floor to Underride Height Floor to Underride Height Fl. Floor to Underride Height Fl. Floor Could Height Fl. Floor to Underride Height Fl. Floor to Dearn Height Floor to Dearn Height Fl. Floor to Merch Height Fl. Floor Height Floor Height Fl. Floor to Dearn Height Fl. Floor to Merch Height Fl. Floor to Merch Height Fl. Floor to Merch Height Floor Heigh		

Rev.	Date	Description
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## MALCOLM HUGHES LAND SURVEYORS Chartered Land Surveyors

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SMITHS GORE STUART HOUSE, CITY ROAD PETERBOROUGH, PE1 1QF

SACREWELL FARM PETERBOROUGH PE8 6HJ

SECOND FLOOR PLAN

ĺ	A.W	16/12/11
	Checked by B.M	16/12/11

14002 / FP3

N/A Related to Arbitrary Datum 10.00m Located as Threshold level

		ig ourv	g Survey Legend		
	ELECTRICAL SERVICES		SECURITY SERVICES		
MCU	: Nains consumer unit/Fusebox/Mater	₩	: CCTV		
4	: Single wall socket	-	: Passive infa-red detector		
ď.	: Double wall socket	SAP	: Security alarm panel		
占	: Single wall socket and switch : Double wall socket and switch	G	: Security Door Swipe		
× .	: Single floor socket	-	: Intergrated CCTV & Intercom		
× 2	: Double floor socket	A	: Emergency Door Release		
· ·	: 1-way lighting switch	_ ▲	: Door Release		
4	: 2-way lighting switch	80 (A)	: Smoke Cloak : Alarm Siren		
OL	: Celling point lighting	ĕ	: Panic button		
	: Fluorescent light fittings				
-	Ughting Pullcord				
OS.	: Spot lighting	- N	MISCELLANEOUS INTERNAL FIXTURES		
-0	: Wall lighting	I —	: Doorewing		
<b>Q</b> EL	: Emergency lighting		: Doorswing		
	: Emergency Eghting		: Urinal		
ΥĞ	: Fused spur connection box with switch	IIO.	: Tollet		
占	: Unfused spur connection box				
ė.	: Cooker connection box		Sink & Drainer		
-	: Earth point		: Double Sink		
—In	: Incoming Electrical point				
			: Slink		
*	: Strobe Warning Light		: Hand Basin		
	WATER SERVICES	⇒	. Hand Dryer		
-Is	: Incoming water point	-0	: Showerhead		
ST 🖂	: Stop top		: Shower		
m m	: Water meter		. Jinangi		
_	: Hot water heater		) ; Both		
HMH		_	J . 2201		
	GAS SERVICES	$\dashv$ $\checkmark$			
<b>—</b> [6	: Incoming gas point	/	: Breakfine between stairs from floor to		
0	: Gas meter				
	EATING / AIR CONDITIONING SERVICES		GENERAL ABBREVIATIONS		
	: Radiator	E/A	Clear to Arch Milaht or Annu		
CHB	: Central heating boiler	F/A F/B	Floor to Arch Height or Apex Floor to Beam Height		
CHB ESH	: Central heating bailer : Electricity starage heater	F/B F/C	Floor to Beam Height Floor to Celling Height		
ESH HWT	: Central healing boiler : Electricity starage heater : Hot water tank	F/B F/C F/FC	Floor to Beam Height Floor to Celling Height Floor to False Celling Height		
ESH HWT	Central healing bailer     Electricity storage heater     Hot water tank     Cold water tank	F/B F/C F/FC F/H	Floor to Beam Height Floor to Ceiling Height Floor to False Ceiling Height Floor to Head Height		
ESH HWT OWT	: Central healing baller : Electricity storage heater : Hot water tank : Cold water tank : Air conditioning unit	F/B F/C F/FC F/H F/SP	Floor to Beam Height Floor to Ceiling Height Floor to False Ceiling Height Floor to Head Height Floor to Springing Height		
CHB ESH HWT OWT ADU V	: Central healing boiler : Electricity storage heater : Hot water tank : Cold water tank : Air conditioning unit : Ventilation duct (ceiling)	F/B F/C F/FC F/H	Floor to Beam Height Floor to Ceiling Height Floor to False Ceiling Height Floor to Head Height		
CHB ESH HWT OWT AGU	: Central healing baller : Electricity storage heater : Hote water tank : Cold water tank : Air conditioning unit : Ventilation duct (centra) : Air conditioning vent (wati)	F/B F/C F/FC F/H F/SP F/S	Floor to Beam Height Floor to Celling Height Floor to False Celling Height Floor to Head Height Floor to Springing Height Floor to Springing Height Floor to SIII Height		
CHB ESH HWT OWT ADU V	: Central healing boiler : Electricity storage heater : Hot water tank : Cold water tank : Air conditioning unit : Ventilation duct (ceiling)	F/B F/C F/FC F/H F/SP F/S F/U FL HT	Floor to Beam Height Floor to Celling Height Floor to Floor be Floor believe Height Floor to Head Height Floor to Springing Height Floor to Sill Height Floor to Underside Height Floor Lavel Centeral Height		
CHB ESH HWT OWT AGU	: Central healing baller : Electricity storage heater : Hot water tank : Cold water tank : Air conditioning unit : Aer conditioning unit : Aer conditioning unit : Aer conditioning unit : Central healing vent (vail) : Central healing thermostat	F/B F/C F/FC F/H F/SP F/S F/U FL HT BUW	Floor to Beam Height Floor to Celling Height Floor to Toles Celling Height Floor to These Celling Height Floor to Simpling Height Floor to Simpling Height Floor to Underside Height Floor Level General Height Bridded Up Window		
CHB ESH HWT OWT ACU V	Central healthy boiler     Electricity storage heater     Hot water took     Code water took     Code water took     Ventraling with     Ventraling with     Ventraling with     Code water (eath)     Code code (eath)     Code code (eath)     Code code (eath)	F/B F/C F/FC F/H F/SP F/S F/U FL HT BUW COL	Floor to Beam Height Floor to Caling Height Floor to False Caling Height Floor to False Caling Height Floor to Head Height Floor to Still Height Floor to Still Height Floor to Underded Height Floor Level Germen Height BitGood Up Window Column		
CHB CSH CSH CMT	: Central healing baller : Electricity storage heater : Hot water tank : Cold water tank : Air conditioning unit : Aer conditioning unit : Aer conditioning unit : Aer conditioning unit : Central healing vent (vail) : Central healing thermostat	F/B F/C F/TC F/H F/SP F/S F/U FL HT BUW COL P	Floor to Bearn Height Floor to Celling Height Floor to False Celling Height Floor to False Celling Height Floor to Height Floor to Springing Height Floor to Springing Height Floor to Underside Height Floor Level General Height Bridde Up Whodow Column Partition		
ONB ESH HINT OWT ACU V	Central healing baller     Indicatify storage header     Indicatify storage header     Indicatify storage header     Indicatify storage header     Indicatify storage     Indicati	F/B F/C F/FC F/H F/SP F/S F/U FL HT BUW COL	Floor to Beam Height Floor to Caling Height Floor to False Caling Height Floor to False Caling Height Floor to Head Height Floor to Still Height Floor to Still Height Floor to Underded Height Floor Level Germen Height BitGood Up Window Column		
CHB CSH CSH CMT	Centrol healthy baller     Secretary became to the control to	F/B F/C F/FC F/H F/SP F/S F/U FL HT BUW COL P RSJ	Foor to Beam Height Foor to Called Height Foor to Trice Colling Height Foor to Trice Colling Height Floor to Stylenging Height Floor to Stylenging Height Floor to Understeel Height Floor to Understeel Height Floor to Understeel General Height Befided Us Window Column Portition Rotad Staul Joint		
SSH HINT ONT ACU V	Central healing baller Electricity storogen header 1 Hot water tank 1 Air conditioning unit 1 vendrating unit 1 vendrating unit 2 vendrating unit 2 vendrating unit 2 vendrating unit 5 central healing internantet FIRE PRECAUTION SERVICES 1 Simoles detailer 1 Fire oberne 1 Fire oberne	F/B F/C F/PC F/H F/SP F/S F/U PL HT BUW COL P RSJ STAN MH IC	Foor to Beam Height Foor to Cather Height Foor to Face Colling Height Foor to Hose Colling Height Foor to Hose Height Foor to State Height Foor to State Height Foor to Underside Height Foor to Underside Height Foor Level Foor Level General Height Foor Level Foor L		
CHB CHAT CONT CONT CONT CONT CONT CONT CONT CON	Central healing baller Description years heart State when the Central State And Central State And Central State And Central State And Central Healing	F/B F/C F/FO F/H F/SP F/S F/U FL HI BUW COL P RSJ STAN MH IC CL	Foor to Glaven Height Foor to Calling Height Foor to Fries Calling Height Foor to Hose Calling Height Foor to Hose Height Foor to William Foor to William Foor to William Foor to State Foor to State Foor to State Foor to State Foor to Underside Height Foor to Underside Height Foor Lovel		
CHB CSH HWT OWT ACU V	Central healths baller Electricity storego header  1-bits were took 1-bits conditioning unit 1-bits conditioning 1-bits conditioni	F/B F/C F/PC F/H F/SP F/S F/U PL HT BUW COL P RSJ STAN MH IC	Foor to Elevan Height Foor to Celling Height Foor to Fries Celling Height Foor to Heed Height Floor to Heed Height Floor to Springing Height Floor to Springing Height Floor to Underdie Floor to Underdie Floor to Underdie Floor to Underdie Height Heigh		
CHB CHAT CONT CONT CONT CONT CONT CONT CONT CON	Central healing baller Description years heart State when the Central State And Central State And Central State And Central State And Central Healing	F/8 F/C F/H F/SP F/S F/U FL HT BUW COL P RSJ STAN MH IC CL IL F/BT F/ET	Front to Elevan Height Front to Celling Height Front to Celling Height Front to Free Celling Height Front to Hose Celling Height Front to Start Height Front to Still Height Front to Still Height Front to Still Height Front to Still Height Height Celling Height Front to Still Height Height Front Height Front Height Front Telling Height Height Front Telling Height Front Height Still Height Still Height Still Height Front Height Front Height Front Height Front Height Front Height Front Height Heig		
CHB	Centrol healing baller Electricity storego header  1 Not wester tonk Codd wester tonk 1 Arc conditioning unit 1 Arc conditioning unit 1 Arc conditioning unit 1 Centrol healing intermostet FIRE PRECAUTION SERVICES  1 Smoles, executor 1 Signification 1 Fire softinguation 2 If the conditioning 1 Fire softinguation 2 If the conditioning 1 Fire endinguation 2 If the endinguation 3 If the endinguation 4 If the endinguation 4 If the endinguation 5 If the endinguation 6 If the endinguation 7 If the endinguation 7 If the endinguation 8 If the endinguat	F/8 F//C F//H F/SP F/S F//U FL HT BUW COL P RSJ STAN MH IC CL IL F/8T FFL FCL	Foor to Genn-Height Foor to Calling Height Foor to Fries Calling Height Foor to Hose Calling Height Foor to Hose Calling Height Foor to William Foor to Underside Height Foor to Underside Height Foor Lovel General Height Foor to Sean Foor to Sean Foor to Sean top Findhand Foor level For Lovel Foor to Sean top Findhand Foor level For Lovel Foor to Sean top Findhand Foor level For Lovel F		
CHB	Control healthy boller  I hick weet fook  I hick conditioning unit  I we conditioning unit  I western healthy betweet  I Service healthy betweet  I The observe healthy  I The continguater (Conton double)  I The continguater (Ventor)  COMMUNICATION SERVICES  I Telephone coulds  I Telephone coulds  I Commiss coulds	F/8 F/C F/H F/SP F/S F/U FL HT BUW COL P RSJ STAN MH IC CL IL F/BT F/ET	Foor to Calley Height Foor to Calley Height Foor to Calley Height Foor to Folse Calling Height Foor to Hose Calling Height Foor to State John Factoria Foor to Common Foot to State John Foor to Seam Height Foor colored Height Foor to Seam Height Foor colored Height Foor colore		
COMB DSH INNT ONT ACU V OSP © N © P  ACU P D OSP E C O	Control healing baller Description years heart See to the Control healing baller Code water tank A conditioning unit A conditioning unit A conditioning unit A conditioning verif (wild) Central healing thermostet FIRE PRECAUTION SERVICES I similar detector I similar detector I fire actinguater (Corton double) I fire actinguater (Corton double) I fire actinguater (fiveter) COMMUNICATION SERVICES  Talephone coults I commissioned I fire actinguater (Corton double) I fire actinguater (Fiveter) COMMUNICATION SERVICES  I filephone coults I commissioned I commissioned I control south	F/8 F//C F//T F/SP F/S F/U FL HT COL P RSJ STAN MH IC CL IL F/BT FFL FFL SOL SOL	Foor to Genn-Height Foor to Calling Height Foor to Fries Calling Height Foor to Hose Calling Height Foor to Hose Calling Height Foor to William Foor to Underside Height Foor to Underside Height Foor Lovel General Height Foor to Sean Foor to Sean Foor to Sean top Findhand Foor level For Lovel Foor to Sean top Findhand Foor level For Lovel Foor to Sean top Findhand Foor level For Lovel F		
COMB DSH INNT ONT ACU V OSP © N © P  ACU P D OSP E C O	Control healthy boller  I hold water fook  I fook f	F/B F/C F/YC F/YI F/SIP F/S F/U FL HT BUW COL P RSJ STAN MH IC CL IL F/GT FFL FCL SOL WAL WSL WHL	Foor to Beam Height Foor to Calley Height Foor to Fries Calling Height Foor to Head Height Foor to Head Height Foor to William Height Foor to William Height Foor to William Height Foor to Underside Height Foor to Underside Height Foor to Underside Height Foor Level Foor to Window Column Particles Foor to Sean Ada Science Level Food Height Foor to Beam Hop Foolwhelm Chember Cover Level Foor to Beam top Foolwhelm Foor to Height Structural calling level Window and all level Window all level		
COMB DSH INNT ONT ACU V OSP © N © P  ACU P D OSP E C O	Control healing baller  Description years hear  Heal west tank  A conditioning unit  A conditioning west (wish)  Central healing hermostet  FIRE PRECAUTION SERVICES  I simole, electer  I spiniske  I fire ostimpaster  I fire ostimpaster  I fire continguation (Conton double)  I fire continguation con-audit outlet  I fire continguation con-audit outlet  I fire tangenome subset	F/8 F/O F/YIC F/H F/SP F/S F/U FL HT BUW COL P RSJ STAN MH IC CL IL F/GET FFL FCL SQL WASL	Front to Elevan Height Front to Calling Height Front to Calling Height Front to Tries Calling Height Front to Tries Calling Height Front to Springing Height Front to Street Height Front to Underside Height Front to Underside Height Front Level Height Front to Density Front Level Height		
	Control healthy boller  I hold veder froit  I hold conditioning unit  I whereful duct (certing)  I he conditioning unit  I were conditioning were (well)  I Certrol healthy thermostat  FIRE PRECAUTION SERVICES  I Sprinker  I Fire doming unit  I Fire during unit  I Fire continguater (Corbon double)  I Fire extinguater (Weder)  COMMUNICATION SERVICES  I Telephone outlet  I offerne coultet  I offerne coultet  I reference outlet  I reference outl	F/B F/C F/PC F/PC F/PC F/PC F/PC F/PC F/PC	Front to Elevan Height Front to Celling Height Front to Celling Height Front to Free Celling Height Front to Head Height Front to Head Height Front to Head Height Front to Springing Height Elevan to Still Height Front to Still Height Front Height Height with Height Front Height Height with Height Front Height He		
	Control healing baller  Description years hearing  Hold west tank  And conditioning unit  And conditioning west (wist)  Centrol healing intermentate  FIRE PRECAUTION SERVICES  Service description  FIRE PRECAUTION SERVICES  I Smeak extractor  I Pre- other push  I Comman castet  I Telephore could unite  I Telephore could  I Telephore coul	F/8 F/O F/YIC F/H F/SP F/S F/U FL HT BUW COL P RSJ STAN MH IC CL IL F/GET FFL FCL SQL WASL	Front to Elevan Height Front to Calling Height Front to Calling Height Front to Tries Calling Height Front to Tries Calling Height Front to Springing Height Front to Street Height Front to Underside Height Front to Underside Height Front Level Height Front to Density Front Level Height		
	Control healthy boller  I hick west fook  I hick west fook  I hick west fook  I hick west fook  I hick conditioning unit  I hic conditioning unit  I hick conditioning unit  I western healthy between the services  I Smoke desector  I Smoke desector  I Smoke western push  I The observation push  I The observation push  I The observation push  I The conditioning to Control doubles  I The conditioning to Control doubles  I The control push  I reservation control  I reservation control  I reservation control  I reservation  I referration control  I before  I servation  I special  I servation  I special  I servation  I servation	F/B F/C F/PC F/PC F/PC F/PC F/PC F/PC F/PC	Foor to Green Height Foor to Calling Height Foor to Fries Calling Height Foor to Tries Calling Height Foor to Yes Calling Height Foor to Springing Height Foor to State Fo		
	Control healing baller  Description years hearing  Heal west tank  Are conditioning unit  Are conditioning  COMMUNICATION SERVICES  Telephone condition  Telephone co	F/B F/C F//TC F//TC F//TC F//TC F/M F/SSP F/SS F/U R HT BUNN COL P RSJ STAN MH IC CL LL L F/SET FFL SOL WSL WSL WSL WSL WSL WSL WSL WSL CL L U SOL WSL WSL WSL WSL WSL CL L U CL	Froor to Calley Height Froor to Calley Height Froor to Calley Height Froor to Froise Calling Height Froor to Hood Height Froor to Hood Height Froor to Standard Froor Standard Froor Standard Froor Standard Froor to Standard Froor t		
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Rev.	Date	Description

## MALCOLM HUGHES

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SMITHS GORE STUART HOUSE, CITY ROAD PETERBOROUGH, PE1 1QF

SACREWELL FARM PETERBOROUGH PE8 6HJ

THIRD FLOOR PLAN

17/12/11 B.M 17/12/11

14002 / FP4

Scale Bar

# PCA

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