

The COAL AUTHORITY

Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG

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**LANDMARK INFORMATION GROUP
LIMITED
SOWTON INDUSTRIAL ESTATE
ABBEY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference: **51000252769001**
Your reference: **44975491**
Date of your enquiry: **20 March 2013**
Date we received your enquiry: **20 March 2013**
Date of issue: **20 March 2013**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

80 THORLEY DRIVE, CHEADLE, STOKE ON TRENT, STAFFORDSHIRE,

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

| | |
|-----------------------------|--------------------|
| Coal mining | See comments below |
| Brine Compensation District | No |

Information from the Coal Authority

Underground coal mining

Past

According to the records in our possession, the property is not within the zone of likely physical influence on the surface from past underground workings.

However the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

SMD 2014 0227

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

Coal mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of support

The property is not in an area for which a notice of entitlement to withdraw support has been published.

The property is not in an area for which a notice has been given under section 41 of the Coal Industry Act 1994, revoking the entitlement to withdraw support.

Working facilities orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to owners of former copyhold land

The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Comments on Coal Authority information

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Location map



Approximate position
of property

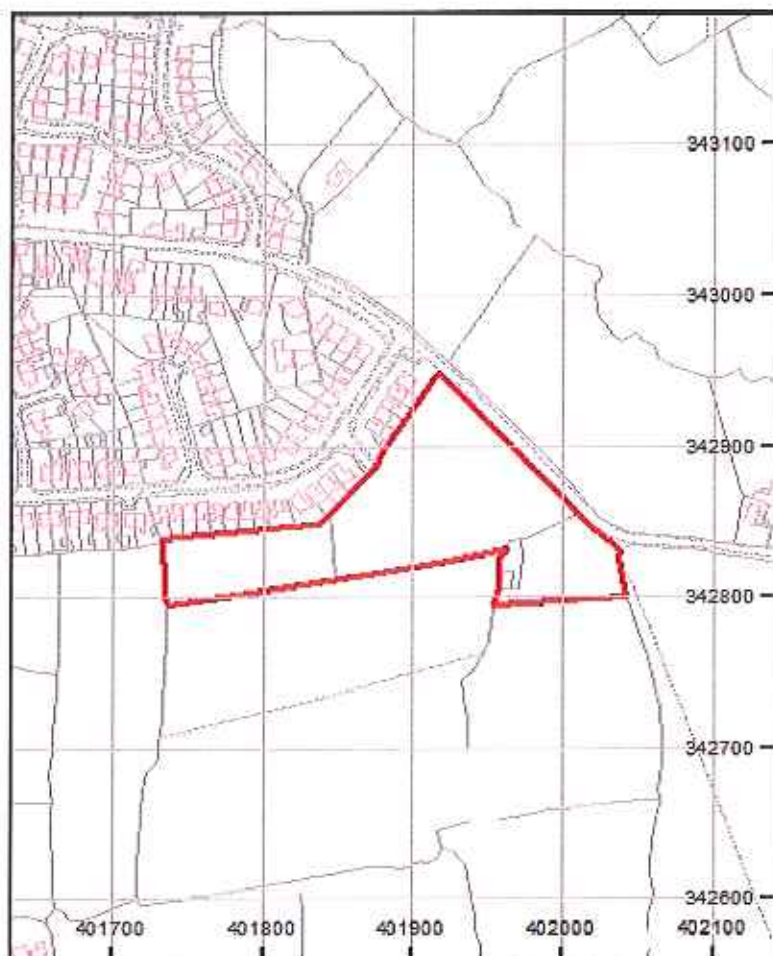


Enquiry boundary

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Key

Approximate position of enquiry
boundary shown



APPENDIX D
EXPLORATORY HOLE RECORDS

Project Name
Thorley Drive, Cheadle

Project No.
13052

Co-ords: -

Level: -

Equipment: Dynamic Percussive Sampling Rig

Dates: 25/03/2013

Client: David Wilson Homes Mercia

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|------|---------------|---------------------------|------|-----------------------|-----------|---|-----------------------------------|--|
| | | Depth (m) | Type | Results | | | | |
| ell | | 0.40 | D | N=11 (1,1,2,2,3,4) | 0.60 | | TOPSOIL | |
| | | 0.90 | D | | 1.65 | | | Firm grey and brown slightly sandy CLAY. (Pennine Lower Coal Measures) |
| | | 1.00 | CPT | | | | | |
| | | 1.80 | D | 2.45 | | Stiff to very stiff grey and brown slightly gravelly fissured CLAY. Gravel is angular fine to coarse sandstone. (Pennine Lower Coal Measures) | | |
| | | 2.00 | CPT | | | | 59/225mm 225mm (8,14,16,18,25) | |
| | | | | | | | End of Borehole at 2.45 m | |

Remarks: Groundwater not encountered during drilling.



Project Name

Thorley Drive, Cheadle

Project No.

13052

Co-ords: -

Hole Type

WLS

Equipment: Dynamic Percussive Sampling Rig

Level: -

Scale

1:25

Logged By

AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description | |
|------|---------------|---------------------------|------|-------------------------|-----------|---------------|--------|--|---|
| | | Depth (m) | Type | Results | | | | | |
| | | | | | | | | TOPSOIL | |
| | | 0.40 | D | | 0.30 | | | Soft brown slightly sandy CLAY with silt (Subsoil) | |
| | | | | | 0.70 | | | Firm brown and orange-brown slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse sandstone. (Pennine Lower Coal Measures) | 1 |
| | | 1.00 | CPT | N=17 (3,3,3,4,5,5) | | | | | |
| | | 1.50 | D | | 1.60 | | | Stiff grey and purple-grey slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse siltstone. (Pennine Lower Coal Measures) | |
| | | 1.90 | CPT | 50/60mm 60mm (25,50) | 1.85 | | | Purple-grey SILTSTONE, very weak. (Pennine Lower Coal Measures) | 2 |
| | | | | | 2.00 | | | End of Borehole at 2.00 m | |
| | | | | | | | | | 3 |
| | | | | | | | | | 4 |

Remarks: Groundwater not encountered during drilling.
Refusal at 1.9 m depth.

Project Name

Thorley Drive, Cheadle

Project No.

13052

Co-ords: -

Hole Type

WLS

Equipment: Dynamic Percussive Sampling Rig

Level: -

Scale

1:25

Logged By

AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| ell | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description | |
|-----|------------------|---------------------------|------|--------------------------------|--------------|------------------|--------|--|---|
| | | Depth (m) | Type | Results | | | | | |
| | | | | | 0.30 | | | TOPSOIL | |
| | | 0.40 | D | | | | | Firm to stiff brown and grey slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse sandstone. (Pennine Lower Coal Measures) | |
| | | 1.00 | CPT | N=36 (7,7,9,8,9,10) | 1.00 | | | Stiff friable grey-green and purple-brown slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse siltstone. (Pennine Lower Coal Measures) | 1 |
| | | 1.50 | CPT | 50/150mm 150mm (9,12,19,31) | | | | | |
| | | | | | 1.80 | | | | |
| | | | | | | | | End of Borehole at 1.80 m | 2 |
| | | | | | | | | | 3 |
| | | | | | | | | | 4 |

Remarks: Groundwater not encountered during drilling.
Refusal at 1.5 m.

Project Name

Thorley Drive, Cheadle

Equipment: Dynamic Percussive Sampling Rig

Project No.

13052

Co-ords: -

Hole Type

WLS

Scale







1:25

Logged By

AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|---|------------------|---------------------------|-------------------------------|-----------------------|--------------|------------------|---|---|
| | | Depth (m) | Type | Results | | | | |
|  | | | | | | |  | TOPSOIL |
| | | 0.40 | D | | 0.30 | |  | Soft brown sandy CLAY with rootlets (Subsoil) |
| | | | | | 0.50 | |  | Firm brown slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse sandstone. (Pennine Lower Coal Measures) |
| | | 0.90 | D | | | |  | Firm to stiff friable brown, grey and purple-brown slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse sandstone. (Pennine Lower Coal Measures) |
| | | 1.00 | CPT | N=19 (2,4,5,4,5,5) | 1.00 | | | |
| | | 1.40 | D | | | |  | Firm to stiff friable brown, grey and purple-brown slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse sandstone. (Pennine Lower Coal Measures) |
| | 1.50 | CPT | 50/150mm 150mm - Abandoned | | | | | |
| | | | | 1.65 | | | | End of Borehole at 1.65 m |

Remarks: Groundwater not encountered during drilling.
Refusal at 1.5 m.



Project Name

Thorley Drive, Cheadle

Project No.

13052

Co-ords: -

Hole Type

WLS

Equipment: Dynamic Percussive Sampling Rig

Level: -

Scale




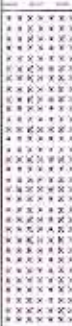
1:25

Client: David Wilson Homes Mercia

Dates: 25/03/2013

Logged By

AMG

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description | |
|------|---------------|---------------------------|------|-----------------------------------|-----------|---------------|--|--|--|
| | | Depth (m) | Type | Results | | | | | |
| | | 0.30 | D | | 0.50 | |  | TOPSOIL | |
| | | 0.80 | D | | 1.10 | |  | Firm becoming firm to stiff below 0.9 m grey and brown CLAY. (Pennine Lower Coal Measures) | |
| | | 1.00 | CPT | N=20 (1,2,4,4,5,7) | 1.40 | |  | Stiff brown and grey slightly sandy CLAY with occasional siltstone gravel. (Pennine Lower Coal Measures) | |
| | | 1.70 | D | | 2.45 | |  | Brown and grey thinly bedded SILTSTONE, very weak. (Pennine Lower Coal Measures) | |
| | | 2.00 | CPT | 56/225mm 225mm (5,10,18,18,20) | | | | | |
| | | | | | | | | End of Borehole at 2.45 m | |

Remarks: Groundwater not encountered during drilling.

Project Name

Thorley Drive, Cheadle

Project No.

13052

Co-ords: -

Hole Type

WLS

Equipment: Dynamic Percussive Sampling Rig

Level: -

Scale

1:25

Client: David Wilson Homes Mercia

Dates: 25/03/2013

Logged By

AMG

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description | |
|------|---------------|---------------------------|------|----------------------------|-----------|---------------|--------|--|---|
| | | Depth (m) | Type | Results | | | | | |
| | | | | | 0.30 | | | TOPSOIL | |
| | | 0.40 | D | | 0.60 | | | Soft to firm brown sandy CLAY (Subsoil) | |
| | | | | | | | | Brown slightly clayey slightly silty SAND. | |
| | | 1.00 | CPT | N=13 (2,2,3,3,3,4) | 1.10 | | | Stiff brown, orange-brown and grey slightly sandy CLAY. (Pennine Lower Coal Measures) | 1 |
| | | 1.40 | D | | 1.70 | | | Stiff brown and grey-brown slightly gravelly fissured CLAY. Gravel is angular fine to coarse sandstone. (Pennine Lower Coal Measures) | |
| | | 2.00 | CPT | N=60 (9,11,12,12,17,19) | 2.45 | | | End of Borehole at 2.45 m | 2 |
| | | | | | | | | | 3 |
| | | | | | | | | | 4 |

Remarks: Groundwater not encountered during drilling.

Project Name

Thorley Drive, Cheadle

Project No. _____

13052

Co-ords: -

| Hole Type | Location | Depth | Notes |
|-----------|----------|-------|-------|
| 1 | 100 | 100 | |
| 2 | 100 | 100 | |
| 3 | 100 | 100 | |
| 4 | 100 | 100 | |
| 5 | 100 | 100 | |
| 6 | 100 | 100 | |
| 7 | 100 | 100 | |
| 8 | 100 | 100 | |
| 9 | 100 | 100 | |
| 10 | 100 | 100 | |
| 11 | 100 | 100 | |
| 12 | 100 | 100 | |
| 13 | 100 | 100 | |
| 14 | 100 | 100 | |
| 15 | 100 | 100 | |
| 16 | 100 | 100 | |
| 17 | 100 | 100 | |
| 18 | 100 | 100 | |
| 19 | 100 | 100 | |
| 20 | 100 | 100 | |
| 21 | 100 | 100 | |
| 22 | 100 | 100 | |
| 23 | 100 | 100 | |
| 24 | 100 | 100 | |
| 25 | 100 | 100 | |
| 26 | 100 | 100 | |
| 27 | 100 | 100 | |
| 28 | 100 | 100 | |
| 29 | 100 | 100 | |
| 30 | 100 | 100 | |
| 31 | 100 | 100 | |
| 32 | 100 | 100 | |
| 33 | 100 | 100 | |
| 34 | 100 | 100 | |
| 35 | 100 | 100 | |
| 36 | 100 | 100 | |
| 37 | 100 | 100 | |
| 38 | 100 | 100 | |
| 39 | 100 | 100 | |
| 40 | 100 | 100 | |
| 41 | 100 | 100 | |
| 42 | 100 | 100 | |
| 43 | 100 | 100 | |
| 44 | 100 | 100 | |
| 45 | 100 | 100 | |
| 46 | 100 | 100 | |
| 47 | 100 | 100 | |
| 48 | 100 | 100 | |
| 49 | 100 | 100 | |
| 50 | 100 | 100 | |
| 51 | 100 | 100 | |
| 52 | 100 | 100 | |
| 53 | 100 | 100 | |
| 54 | 100 | 100 | |
| 55 | 100 | 100 | |
| 56 | 100 | 100 | |
| 57 | 100 | 100 | |
| 58 | 100 | 100 | |
| 59 | 100 | 100 | |
| 60 | 100 | 100 | |
| 61 | 100 | 100 | |
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| 63 | 100 | 100 | |
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| 65 | 100 | 100 | |
| 66 | 100 | 100 | |
| 67 | 100 | 100 | |
| 68 | 100 | 100 | |
| 69 | 100 | 100 | |
| 70 | 100 | 100 | |
| 71 | 100 | 100 | |
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| 75 | 100 | 100 | |
| 76 | 100 | 100 | |
| 77 | 100 | 100 | |
| 78 | 100 | 100 | |
| 79 | 100 | 100 | |
| 80 | 100 | 100 | |
| 81 | 100 | 100 | |
| 82 | 100 | 100 | |
| 83 | 100 | 100 | |
| 84 | 100 | 100 | |
| 85 | 100 | 100 | |
| 86 | 100 | 100 | |
| 87 | 100 | 100 | |
| 88 | 100 | 100 | |
| 89 | 100 | 100 | |
| 90 | 100 | 100 | |
| 91 | 100 | 100 | |
| 92 | 100 | 100 | |
| 93 | 100 | 100 | |
| 94 | 100 | 100 | |
| 95 | 100 | 100 | |
| 96 | 100 | 100 | |
| 97 | 100 | 100 | |
| 98 | 100 | 100 | |
| 99 | 100 | 100 | |
| 100 | 100 | 100 | |

WLS

Equipment: Dynamic Percussive Sampling Rig

Level: -

Scale

1:25




Logged By

AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

AMG

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|------|------------------|---------------------------|----------|--------------------------------|--------------|------------------|--|---|
| | | Depth (m) | Type | Results | | | | |
| ell | | 0.30 | D | | | |  | TOPSOIL |
| | | 0.90 1.00 | D CPT | N=16 (3,3,3,4,4,5) | 0.70 | |  | Firm grey and brown CLAY. (Pennine Lower Coal Measures) |
| | | 1.60 | D | | 1.40 | |  | Stiff to very stiff grey slightly gravelly CLAY. Gravel is angular fine to coarse mudstone. (Pennine Lower Coal Measures) |
| | | 1.80 | CPT | 60/150mm 150mm (7,10,15,35) | 2.10 | | | |
| | | | | | | | | End of Borehole at 2.10 m |

Remarks: Groundwater not encountered during drilling.
Refusal at 1.8 m.



Project Name

Thorley Drive, Cheadle

Project No.

13052

Co-ords: -

Hole Type

WLS

Equipment: Dynamic Percussive Sampling Rig

Level: -

Scale

1:25

Client: David Wilson Homes Mercia

Dates: 25/03/2013

Logged By

AMG

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|------|---------------|---------------------------|------|----------------------|-----------|---------------|--------|--|
| | | Depth (m) | Type | Results | | | | |
| | | 0.20 | D | | 0.30 | | | TOPSOIL |
| | | 0.90 | D | | 0.80 | | | possible MADE GROUND: Soft dark grey gravelly clay. Gravel is angular fine to coarse mudstone. |
| | | 1.00 | CPT | N=2 (1,0,1,0,0,1) | | | | |
| | | 2.00 | CPT | N=3 (0,0,0,1,1,1) | | | | |
| | | 2.80 | D | | 2.50 | | | possible MADE GROUND: Soft/wet brown, grey and dark grey slightly sandy slightly gravelly clay. Gravel is angular fine to coarse mudstone, sandstone and coal. |
| | | 3.00 | CPT | N=7 (0,2,3,1,2,1) | | | | |
| | | 4.00 | CPT | N=7 (0,0,0,1,3,3) | | | | |
| | | | Type | Results | | | | |

Continued next sheet

Remarks: Groundwater encountered below 3 m.

Project Name

Thorley Drive, Cheadle

Equipment: Dynamic Percussive Sampling Rig

Project No.

13052

Co-ords: -

Level: -

| Hole Type | Location | Depth | Remarks |
|-----------|----------|-------|---------|
| 1 | ... | ... | ... |
| 2 | ... | ... | ... |
| 3 | ... | ... | ... |
| 4 | ... | ... | ... |
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| 19 | ... | ... | ... |
| 20 | ... | ... | ... |
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| 25 | ... | ... | ... |
| 26 | ... | ... | ... |
| 27 | ... | ... | ... |
| 28 | ... | ... | ... |
| 29 | ... | ... | ... |
| 30 | ... | ... | ... |
| 31 | ... | ... | ... |
| 32 | ... | ... | ... |
| 33 | ... | ... | ... |
| 34 | ... | ... | ... |
| 35 | ... | ... | ... |
| 36 | ... | ... | ... |
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| 38 | ... | ... | ... |
| 39 | ... | ... | ... |
| 40 | ... | ... | ... |
| 41 | ... | ... | ... |
| 42 | ... | ... | ... |
| 43 | ... | ... | ... |
| 44 | ... | ... | ... |
| 45 | ... | ... | ... |
| 46 | ... | ... | ... |
| 47 | ... | ... | ... |
| 48 | ... | ... | ... |
| 49 | ... | ... | ... |
| 50 | ... | ... | ... |
| 51 | ... | ... | ... |
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| 53 | ... | ... | ... |
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| 55 | ... | ... | ... |
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| 65 | ... | ... | ... |
| 66 | ... | ... | ... |
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| 68 | ... | ... | ... |
| 69 | ... | ... | ... |
| 70 | ... | ... | ... |
| 71 | ... | ... | ... |
| 72 | ... | ... | ... |
| 73 | ... | ... | ... |
| 74 | ... | ... | ... |
| 75 | ... | ... | ... |
| 76 | ... | ... | ... |
| 77 | ... | ... | ... |
| 78 | ... | ... | ... |
| 79 | ... | ... | ... |
| 80 | ... | ... | ... |
| 81 | ... | ... | ... |
| 82 | ... | ... | ... |
| 83 | ... | ... | ... |
| 84 | ... | ... | ... |
| 85 | ... | ... | ... |
| 86 | ... | ... | ... |
| 87 | ... | ... | ... |
| 88 | ... | ... | ... |
| 89 | ... | ... | ... |
| 90 | ... | ... | ... |
| 91 | ... | ... | ... |
| 92 | ... | ... | ... |
| 93 | ... | ... | ... |
| 94 | ... | ... | ... |
| 95 | ... | ... | ... |
| 96 | ... | ... | ... |
| 97 | ... | ... | ... |
| 98 | ... | ... | ... |
| 99 | ... | ... | ... |
| 100 | ... | ... | ... |

WLS

Scale



1:25

Logged By

AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|---|---------------------------|------|----------------------|--------------|------------------|---|---|
| | Depth (m) | Type | Results | | | | |
|  | 5.00 | CPT | N=4 (1,1,1,1,1,1) | 6.45 | |  | <p>possible MADE GROUND: Soft/wet brown, grey and dark grey slightly sandy slightly gravelly clay. Gravel is angular fine to coarse mudstone, sandstone and coal.</p> |
| | 6.00 | CPT | N=4 (0,0,1,1,1,1) | | | | |
| | | | | | | | End of Borehole at 6.45 m |

Remarks: Groundwater encountered below 3 m.



Project Name

Thorley Drive, Cheadle

Equipment: Dynamic Percussive Sampling Rig

Project No.

13052

Co-ords: -

Level: -

| Hole Type | Location | Depth | Remarks |
|-----------|----------|-------|---------|
| 1 | 100 | 100 | |
| 2 | 100 | 100 | |
| 3 | 100 | 100 | |
| 4 | 100 | 100 | |
| 5 | 100 | 100 | |
| 6 | 100 | 100 | |
| 7 | 100 | 100 | |
| 8 | 100 | 100 | |
| 9 | 100 | 100 | |
| 10 | 100 | 100 | |
| 11 | 100 | 100 | |
| 12 | 100 | 100 | |
| 13 | 100 | 100 | |
| 14 | 100 | 100 | |
| 15 | 100 | 100 | |
| 16 | 100 | 100 | |
| 17 | 100 | 100 | |
| 18 | 100 | 100 | |
| 19 | 100 | 100 | |
| 20 | 100 | 100 | |
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| 22 | 100 | 100 | |
| 23 | 100 | 100 | |
| 24 | 100 | 100 | |
| 25 | 100 | 100 | |
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| 30 | 100 | 100 | |
| 31 | 100 | 100 | |
| 32 | 100 | 100 | |
| 33 | 100 | 100 | |
| 34 | 100 | 100 | |
| 35 | 100 | 100 | |
| 36 | 100 | 100 | |
| 37 | 100 | 100 | |
| 38 | 100 | 100 | |
| 39 | 100 | 100 | |
| 40 | 100 | 100 | |
| 41 | 100 | 100 | |
| 42 | 100 | 100 | |
| 43 | 100 | 100 | |
| 44 | 100 | 100 | |
| 45 | 100 | 100 | |
| 46 | 100 | 100 | |
| 47 | 100 | 100 | |
| 48 | 100 | 100 | |
| 49 | 100 | 100 | |
| 50 | 100 | 100 | |
| 51 | 100 | 100 | |
| 52 | 100 | 100 | |
| 53 | 100 | 100 | |
| 54 | 100 | 100 | |
| 55 | 100 | 100 | |
| 56 | 100 | 100 | |
| 57 | 100 | 100 | |
| 58 | 100 | 100 | |
| 59 | 100 | 100 | |
| 60 | 100 | 100 | |
| 61 | 100 | 100 | |
| 62 | 100 | 100 | |
| 63 | 100 | 100 | |
| 64 | 100 | 100 | |
| 65 | 100 | 100 | |
| 66 | 100 | 100 | |
| 67 | 100 | 100 | |
| 68 | 100 | 100 | |
| 69 | 100 | 100 | |
| 70 | 100 | 100 | |
| 71 | 100 | 100 | |
| 72 | 100 | 100 | |
| 73 | 100 | 100 | |
| 74 | 100 | 100 | |
| 75 | 100 | 100 | |
| 76 | 100 | 100 | |
| 77 | 100 | 100 | |
| 78 | 100 | 100 | |
| 79 | 100 | 100 | |
| 80 | 100 | 100 | |
| 81 | 100 | 100 | |
| 82 | 100 | 100 | |
| 83 | 100 | 100 | |
| 84 | 100 | 100 | |
| 85 | 100 | 100 | |
| 86 | 100 | 100 | |
| 87 | 100 | 100 | |
| 88 | 100 | 100 | |
| 89 | 100 | 100 | |
| 90 | 100 | 100 | |
| 91 | 100 | 100 | |
| 92 | 100 | 100 | |
| 93 | 100 | 100 | |
| 94 | 100 | 100 | |
| 95 | 100 | 100 | |
| 96 | 100 | 100 | |
| 97 | 100 | 100 | |
| 98 | 100 | 100 | |
| 99 | 100 | 100 | |
| 100 | 100 | 100 | |







WLS

Scale
1:25

Logged By
AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|--|------------------|---------------------------|------|--------------------------|--------------|------------------|--|---|
| | | Depth (m) | Type | Results | | | | |
|  | | | | | | |  | TOPSOIL |
| | | 0.30 | D | | 0.30 | |  | Soft dark grey sandy CLAY with rootlets. (Subsoil) |
| | | | | | 0.60 | |  | Firm grey and brown slightly gravelly CLAY. Gravel is angular fine to coarse mudstone and coal. (Pennine Lower Coal Measures) |
| | | 1.00 | CPT | N=10 (1,1,1,2,3,4) | 0.95 | |  | Stiff brown and grey fissured CLAY. (Pennine Lower Coal Measures) |
| | | | | | 1.70 | |  | Grey MUDSTONE, very weak with a clayey matrix. (Pennine Lower Coal Measures) |
| | | 2.00 | CPT | N=23 (2,3,3,6,7,7) | | | | |
| | | 2.50 | D | | | | | |
| | | 3.00 | CPT | N=43 (7,9,9,10,12,12) | | | | |
| | | | | | 3.45 | | | |
| | | | | | | | | End of Borehole at 3.45 m |

Remarks: Groundwater not encountered during drilling.

| | |
|--|---------|
| Project Name | Project |
| Thorley Drive, Cheadle | 13 |
| Equipment: Dynamic Percussive Sampling Rig | |

Project No.
13052

Co-ords: -









| Hole Type | WLS |
|-----------|--------|
| 1 | 0.0000 |
| 2 | 0.0000 |
| 3 | 0.0000 |
| 4 | 0.0000 |
| 5 | 0.0000 |
| 6 | 0.0000 |
| 7 | 0.0000 |
| 8 | 0.0000 |
| 9 | 0.0000 |
| 10 | 0.0000 |
| 11 | 0.0000 |
| 12 | 0.0000 |
| 13 | 0.0000 |
| 14 | 0.0000 |
| 15 | 0.0000 |
| 16 | 0.0000 |
| 17 | 0.0000 |
| 18 | 0.0000 |
| 19 | 0.0000 |
| 20 | 0.0000 |
| 21 | 0.0000 |
| 22 | 0.0000 |
| 23 | 0.0000 |
| 24 | 0.0000 |
| 25 | 0.0000 |
| 26 | 0.0000 |
| 27 | 0.0000 |
| 28 | 0.0000 |
| 29 | 0.0000 |
| 30 | 0.0000 |
| 31 | 0.0000 |
| 32 | 0.0000 |
| 33 | 0.0000 |
| 34 | 0.0000 |
| 35 | 0.0000 |
| 36 | 0.0000 |
| 37 | 0.0000 |
| 38 | 0.0000 |
| 39 | 0.0000 |
| 40 | 0.0000 |
| 41 | 0.0000 |
| 42 | 0.0000 |
| 43 | 0.0000 |
| 44 | 0.0000 |
| 45 | 0.0000 |
| 46 | 0.0000 |
| 47 | 0.0000 |
| 48 | 0.0000 |
| 49 | 0.0000 |
| 50 | 0.0000 |
| 51 | 0.0000 |
| 52 | 0.0000 |
| 53 | 0.0000 |
| 54 | 0.0000 |
| 55 | 0.0000 |
| 56 | 0.0000 |
| 57 | 0.0000 |
| 58 | 0.0000 |
| 59 | 0.0000 |
| 60 | 0.0000 |
| 61 | 0.0000 |
| 62 | 0.0000 |
| 63 | 0.0000 |
| 64 | 0.0000 |
| 65 | 0.0000 |
| 66 | 0.0000 |
| 67 | 0.0000 |
| 68 | 0.0000 |
| 69 | 0.0000 |
| 70 | 0.0000 |
| 71 | 0.0000 |
| 72 | 0.0000 |
| 73 | 0.0000 |
| 74 | 0.0000 |
| 75 | 0.0000 |
| 76 | 0.0000 |
| 77 | 0.0000 |
| 78 | 0.0000 |
| 79 | 0.0000 |
| 80 | 0.0000 |
| 81 | 0.0000 |
| 82 | 0.0000 |
| 83 | 0.0000 |
| 84 | 0.0000 |
| 85 | 0.0000 |
| 86 | 0.0000 |
| 87 | 0.0000 |
| 88 | 0.0000 |
| 89 | 0.0000 |
| 90 | 0.0000 |
| 91 | 0.0000 |
| 92 | 0.0000 |
| 93 | 0.0000 |
| 94 | 0.0000 |
| 95 | 0.0000 |
| 96 | 0.0000 |
| 97 | 0.0000 |
| 98 | 0.0000 |
| 99 | 0.0000 |
| 100 | 0.0000 |

Scale
1:25

Logged By
AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|--|------------------|---------------------------|------|--------------------------------|--------------|------------------|---|--|
| | | Depth (m) | Type | Results | | | | |
|  | | | | | | |  | TOPSOIL |
| | | 0.40 | D | | 0.40 | |  | Firm locally firm to stiff grey-brown, brown and grey slightly gravelly CLAY. Gravel is angular fine to coarse mudstone and sandstone. (Pennino Lower Coal Measures) |
| | | 1.00 | CPT | N=9 (1,2,2,2,2,3) | 1.00 | |  | Firm brown and grey slightly sandy CLAY. (Pennine Lower Coal Measures) |
| | | | | | 1.40 | |  | Firm dark grey and brown gravelly CLAY. Gravel is angular fine to coarse carbonaceous shale. (Pennine Lower Coal Measures) |
| | | 2.00 | CPT | N=28 (4,5,7,7,7,7) | 1.90 | |  | Firm dark grey gravelly CLAY. Gravel is angular fine to coarse carbonaceous shale. (Pennino Lower Coal Measures) |
| | | | | | 2.45 | |  | Dark grey carbonaceous SHALE, very weak. (Pennine Lower Coal Measures) |
| | | 2.60 | CPT | 50/150mm 150mm (9,11,14,36) | 2.90 | |  | End of Borehole at 2.90 m |

Remarks: Groundwater not encountered during drilling.
Refusal at 2.6 m.

Project Name

Thorley Drive, Cheadle

Project No.

13052

Co-ords: -

Level: -

Equipment: Dynamic Percussive Sampling Rig

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| ell | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description | |
|-----|------------------|---------------------------|------|----------------------|--------------|------------------|--------|---|---|
| | | Depth (m) | Type | Results | | | | | |
| | | 0.30 | D | | 0.45 | | | TOPSOIL | |
| | | 0.70 | D | | | | | possible MADE GROUND: Soft slightly gravelly becoming gravelly below 1 m clay. Gravel is angular fine to coarse mudstone and shale. | |
| | | 1.00 | CPT | N=8 (1,2,2,2,2,2) | | | | | 1 |
| | | 1.60 | D | | 1.65 | | | possible MADE GROUND: Soft grey and dark grey slightly sandy gravelly clay. Gravel is angular fine to coarse mudstone. | 2 |
| | | 2.70 | D | | | | | | |
| | | 3.00 | CPT | N=5 (1,1,1,1,1,2) | | | | | 3 |
| | | 4.00 | CPT | N=4 (0,0,0,0,2,2) | | | | | 4 |
| | | | Type | Results | | | | | |

Continued next sheet

Remarks: Groundwater encountered below 4 m.

Project Name

Thorley Drive, Cheadle

Equipment: Dynamic Percussive Sampling Rig

Project No.

13052

Co-ords: -

Level: -

Dates: 25/03/2013

Hole Type

WLS

Scale
1:25

Logged By
AMG

Client: David Wilson Homes Mercia

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|------|------------------|---------------------------|------|----------------------|--------------|------------------|--------|---|
| | | Depth (m) | Type | Results | | | | |
| | | 5.00 | CPT | N=5 (0,0,1,2,1,1) | | | | possible MADE GROUND: Soft grey and dark grey slightly sandy gravelly clay. Gravel is angular fine to coarse mudstone. |
| | | | | | 5.45 | | | End of Borehole at 5.45 m |

Remarks: Groundwater encountered below 4 m.



Project Name

Thorley Drive, Cheadle

Equipment: Dynamic Percussive Sampling Rig

Project No.

13052

Co-ords: -





Level: -

Scale
1:25

Logged By
AMG

Client: David Wilson Homes Mercia

Dates: 25/03/2013

| Well | Water Strikes | Samples & In Situ Testing | | | Depth (m) | Level (m AOD) | Legend | Stratum Description |
|--|------------------|---------------------------|------|-----------------------------|--------------|---|--|---------------------|
| | | Depth (m) | Type | Results | | | | |
|  | | 0.20 | D | | 0.30 |  | TOPSOIL | |
| | | | | | | | Firm brown and dark grey CLAY, (Pennine Lower Coal Measures) | |
| | | 0.90 | D | N=12 (2,2,3,3,3,3) | 1.00 |  | Stiff dark grey slightly gravelly CLAY. Gravel is angular fine to coarse mudstone. (Pennine Lower Coal Measures) | |
| | | 1.00 | CPT | | | | | |
| | | 1.40 | D | N=54 (10,11,11,14,14,15) | 1.95 |  | End of Borehole at 1.95 m | |
| 1.50 | CPT | | | | | | | |

Remarks: Groundwater not encountered during drilling.
Refusal at 1.5 m.



Nov 2014 0222

