





APPENDIX VI
REC EXPLORATORY LOGS

Trial Pit Record

Trial Pit Number: TP101

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
		MADE GROUND: Soft brown gravelly sandy clay. Gravel is fine to coarse sub-rounded to rounded of sandstone and mudstone.	0.40	ES	0.20							
1.0		MADE GROUND: Red brown gravelly clayey fine to medium SAND with some cobbles. Gravel is fine to coarse sub-angular to sub-rounded of sandstone. Cobbles are sub-angular to rounded of sandstone.	1.70	B	1.50							
2.0		Terminated at 1.70m bgl due to red sandstone bedrock.										
3.0												
4.0												
5.0												
6.0												

Key

B. Bulk (Bag)

W. Water

U100. 100mm Undisturbed

U38. 38mm Undisturbed Sample

SPT. Standard Penetration Test

D. Disturbed

G. Amber Glass Jar / Bottle

CPT. Cone Penetration Test

U100. Blows (Recovery mm)

V. 40ml Glass Vial

T. Plastic Tub

N. 'N' Value

HV. Hand Shear Vane

PID. Photo Ionisation Detector

ES. Environmental Sample

Notes

Dimensions: 0.65m x 0.85m x 1.70m

Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT).

Stability: Stable

Groundwater: None encountered

Date: 10/04/13

Status: Final

Trial Pit Record

Trial Pit Number: TP102

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.00 - 0.20		MADE GROUND: Brown gravelly sandy clay. Gravel is fine to coarse sub-rounded to rounded of sandstone and mudstone.	0.20	ES T	0.40 0.50							
0.20 - 0.40		Brown sandy gravelly CLAY. Gravel is fine to coarse angular to sub-angular of sandstone.	0.40									
0.40 - 2.00		Red brown gravelly cobbly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded of sandstone. Cobbles are sub-angular to sub-rounded of sandstone.	2.00									
2.00 - 6.00		Terminated at 2.00m bgl due to sandstone bedrock.										

Key

- | | | |
|--------------------------------|-----------------------------|--------------------------------|
| B. Bulk (Bag) | D. Disturbed | T. Plastic Tub |
| W. Water | G. Amber Glass Jar / Bottle | N. 'N' Value |
| U100. 100mm Undisturbed | CPT. Cone Penetration Test | HV. Hand Shear Vane |
| U38. 38mm Undisturbed Sample | U100. Blows (Recovery mm) | PID. Photo Ionisation Detector |
| SPT. Standard Penetration Test | V. 40ml Glass Vial | ES. Environmental Sample |

Notes

Dimensions: 0.65m x 0.85m x 2.00m Date: 10/04/13
 Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT). Status: Final
 Stability: Stable
 Groundwater: None encountered

Trial Pit Record

Trial Pit Number: TP104

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
		MADE GROUND: Brown gravelly clayey fine to medium sand. Gravel is fine to coarse angular to sub-angular of brick and sandstone.	0.60									
1.0		MADE GROUND: Red brown black ashy gravelly clayey fine to medium sand with some cobbles. Gravel fine to coarse sub-angular to angular of sandstone, brick, bottles, metal and textiles.		B	0.80							
				ES	1.20							
2.0												
3.0												
4.0												
4.80			4.80									
5.0		Red sandy cobbles of angular to sub-angular cobbles of sandstone.	5.00									
		Complete at 5.00m bgl.										
6.0												

Key

- | | | |
|--------------------------------|-----------------------------|--------------------------------|
| B. Bulk (Bag) | D. Disturbed | T. Plastic Tub |
| W. Water | G. Amber Glass Jar / Bottle | N. 'N' Value |
| U100. 100mm Undisturbed | CPT. Cone Penetration Test | HV. Hand Shear Vane |
| U38. 38mm Undisturbed Sample | U100. Blows (Recovery mm) | PID. Photo Ionisation Detector |
| SPT. Standard Penetration Test | V. 40ml Glass Vial | ES. Environmental Sample |

Notes

Dimensions: 0.65m x 0.85m x 1.70m Date: 10/04/13
 Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT). Status: Final
 Stability: Stable
 Groundwater: None encountered

Trial Pit Record

Trial Pit Number: TP105

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.0 - 0.5	[Cross-hatched pattern]	MADE GROUND: Brown gravelly clayey fine to medium sand with some cobbles. Gravel is fine to coarse angular to sub-angular of brick, glass, porcelain and sandstone. Cobbles are rounded of sandstone.	0.50	ES	0.80							
0.5 - 1.0	[Cross-hatched pattern]	MADE GROUND: Red brown very gravelly coarse sand with many cobbles. Gravel is fine to coarse angular to sub-angular of brick and glass. Cobbles are rounded of sandstone.	0.80									
1.0 - 2.0	[Cross-hatched pattern]	MADE GROUND: Black brown ashy gravelly fine to coarse sand. Gravel is fine to coarse sub-angular to angular of clinker, glass, fabric, metal, rubber and wood. Cobbles are angular of sandstone.		B	2.00							
2.0 - 4.0	[Cross-hatched pattern]		4.10									
4.0 - 4.6	[Dotted pattern]	Red gravelly fine to coarse SAND. Gravel is fine to coarse sub-angular of sandstone.	4.60									
4.6 - 5.0		Complete at 4.60m bgl.										
5.0 - 6.0												

Key

B. Bulk (Bag)

W. Water

U100. 100mm Undisturbed

U38. 38mm Undisturbed Sample

SPT. Standard Penetration Test

D. Disturbed

G. Amber Glass Jar / Bottle

CPT. Cone Penetration Test

U100. Blows (Recovery mm)

V. 40ml Glass Vial

T. Plastic Tub

N. 'N' Value

HV. Hand Shear Vane

PID. Photo Ionisation Detector

ES. Environmental Sample

Notes

Dimensions: 0.65m x 0.85m x 4.60m

Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT).

Stability: Stable

Groundwater: None encountered

Date: 10/04/13

Status: Final

Trial Pit Record

Trial Pit Number: TP106

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.0 - 0.30	[Cross-hatch pattern]	MADE GROUND: Brown gravelly clayey fine sand. Gravel is coarse angular to sub-angular of brick and sandstone.	0.30	ES	0.10							
0.30 - 2.50	[Cross-hatch pattern]	MADE GROUND: Black clayey gravelly fine to medium sand with some cobbles. Gravel is coarse angular to sub-angular of brick, bottles, metal and plastic. Cobbles are sub-angular to angular of mixed lithology.										
2.50 - 3.50	[Dotted pattern]	Red brown clayey gravelly fine to coarse SAND. Gravel is fine to coarse sub-angular to sub-rounded of sandstone and mudstone.	2.50	B	2.50							
3.50 - 6.0		Complete at 3.50m bgl.	3.50									

Key

B. Bulk (Bag)

W. Water

U100. 100mm Undisturbed

U38. 38mm Undisturbed Sample

SPT. Standard Penetration Test

D. Disturbed

G. Amber Glass Jar / Bottle

CPT. Cone Penetration Test

U100. Blows (Recovery mm)

V. 40ml Glass Vial

T. Plastic Tub

N. 'N' Value

HV. Hand Shear Vane

PID. Photo Ionisation Detector

ES. Environmental Sample

Notes

Dimensions: 0.65m x 0.85m x 3.50m

Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT).

Stability: Stable

Groundwater: None encountered

Date: 10/04/13

Status: Final

Trial Pit Record

Trial Pit Number: TP107

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.0 - 0.30	[Cross-hatched pattern]	MADE GROUND: Brown gravelly clayey fine sand. Gravel is fine to coarse angular to sub-rounded of brick and sandstone.	0.30									
0.30 - 0.90	[Cross-hatched pattern]	MADE GROUND: Red / black brown ashy gravelly fine to coarse sand. Gravel is fine to coarse sub-angular to angular of glass, metals, brick and wood.	0.90	ES	0.90							
0.90 - 1.20	[Cross-hatched pattern]	Red clayey gravel with some cobbles. Gravel is fine to coarse angular to sub-angular of sandstone. Cobbles are angular to sub-angular of sandstone.		B	1.20							
1.20 - 2.00	[Cross-hatched pattern]											
2.00 - 3.00	[Cross-hatched pattern]	Collapse at 2.00m bgl.										
3.00 - 6.00	[Cross-hatched pattern]	Complete at 3.00m bgl.	3.00									

Key

B. Bulk (Bag)

W. Water

U100. 100mm Undisturbed

U38. 38mm Undisturbed Sample

SPT. Standard Penetration Test

D. Disturbed

G. Amber Glass Jar / Bottle

CPT. Cone Penetration Test

U100. Blows (Recovery mm)

V. 40ml Glass Vial

T. Plastic Tub

N. 'N' Value

HV. Hand Shear Vane

PID. Photo Ionisation Detector

ES. Environmental Sample

Notes

Dimensions: 0.65m x 0.85m x 1.70m

Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT).

Stability: Stable

Groundwater: None encountered

Date: 10/04/13

Status: Final

Trial Pit Record

Trial Pit Number: TP108

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.0		MADE GROUND: Brown gravelly clayey fine to coarse sand with some cobbles. Gravel is fine to coarse sub-angular to angular of brick. Cobbles are sub-rounded to rounded of sandstone.	0.30	ES	0.90							
0.90		MADE GROUND: Red brown gravelly fine to coarse sand. Gravel is angular to sub-angular of sandstone.	0.90									
2.90		MADE GROUND: Black clayey ashy gravel with some cobbles. Gravel is fine to coarse sub-angular to sub-rounded of glass, bottles, wood, brick, burnt fabric, metal, wire tyres and clinker. Cobbles are rounded of sandstone. (2.90m bgl large sandstone).	2.90									
3.50		Red SANDSTONE.	3.50									
3.80			3.80									
4.0		Complete at 3.80m bgl.										
5.0												
6.0												

Key

B. Bulk (Bag)

W. Water

U100. 100mm Undisturbed

U38. 38mm Undisturbed Sample

SPT. Standard Penetration Test

D. Disturbed

G. Amber Glass Jar / Bottle

CPT. Cone Penetration Test

U100. Blows (Recovery mm)

V. 40ml Glass Vial

T. Plastic Tub

N. 'N' Value

HV. Hand Shear Vane

PID. Photo Ionisation Detector

ES. Environmental Sample

Notes

Dimensions: 0.65m x 0.85m x 1.70m

Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT).

Stability: Stable

Groundwater: None encountered

Date: 10/04/13

Status: Final

Trial Pit Record

Trial Pit Number: TP109

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.0		MADE GROUND: Brown gravelly clayey fine sand. Gravel is fine to coarse sub-angular of brick.	0.20	ES	0.20							
0.80		MADE GROUND: Red brown gravelly clayey fine to medium sand. Gravel is medium to coarse sub-angular to sub-rounded of brick.	0.80									
3.90		MADE GROUND: Red brown black ashy gravelly clayey fine to medium sand with some cobbles. Gravel is fine to coarse sub-angular to angular of clinker, glass, wood and fabric. Cobbles are sub-rounded of sandstone.	3.90									
4.0		Red clayey sandy COBBLES. Cobbles are angular to sub-angular of sandstone.	4.50									
5.0		Complete at 4.50m bgl.										
6.0												

Key

B. Bulk (Bag)

W. Water

U100. 100mm Undisturbed

U38. 38mm Undisturbed Sample

SPT. Standard Penetration Test

D. Disturbed

G. Amber Glass Jar / Bottle

CPT. Cone Penetration Test

U100. Blows (Recovery mm)

V. 40ml Glass Vial

T. Plastic Tub

N. 'N' Value

HV. Hand Shear Vane

PID. Photo Ionisation Detector

ES. Environmental Sample

Notes

Dimensions: 0.65m x 0.85m x 1.70m

Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT).

Stability: Stable

Groundwater: None encountered

Date: 10/04/13

Status: Final

Trial Pit Record

Trial Pit Number: TP110

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.00		MADE GROUND: Brown gravelly clayey fine sand. Gravel is fine to coarse sub-rounded to rounded of sandstone.	0.20									
0.20		MADE GROUND: Red brown clayey fine sand.										
1.00		MADE GROUND: Red black brown ashy gravelly clayey fine to coarse sand with some cobbles. Gravel is fine to coarse sub-angular to angular of clinker, plastic, metal, glass and bricks. Cobbles are angular to sub-rounded brick and sandstone		ES	1.20							
2.00		Red SANDSTONE.	2.00									
2.50			2.50									
3.00		Complete at 2.50m bgl.										
4.00												
5.00												
6.00												

Key

B. Bulk (Bag)

W. Water

U100. 100mm Undisturbed

U38. 38mm Undisturbed Sample

SPT. Standard Penetration Test

D. Disturbed

G. Amber Glass Jar / Bottle

CPT. Cone Penetration Test

U100. Blows (Recovery mm)

V. 40ml Glass Vial

T. Plastic Tub

N. 'N' Value

HV. Hand Shear Vane

PID. Photo Ionisation Detector

ES. Environmental Sample

Notes

Dimensions: 0.65m x 0.85m x 1.70m

Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT).

Stability: Stable

Groundwater: None encountered

Date: 10/04/13

Status: Final

Trial Pit Record

Trial Pit Number: TP111

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
0.0 - 0.5		MADE GROUND: Brown gravelly clayey fine to medium sand. Gravel is medium to coarse angular to sub-angular of brick.	0.50									
0.5 - 1.2		MADE GROUND: Red black brown ashy gravelly fine to medium sand. Gravel is fine to coarse sub-angular to sub-rounded of glass, clinker, slag, metal, wood and brick.	1.20									
1.2 - 2.5		Red very weathered SANDSTONE.	2.50									
2.5 - 3.0		Complete at 2.50m bgl.										
3.0 - 4.0												
4.0 - 5.0												
5.0 - 6.0												

Key

- | | | |
|--------------------------------|-----------------------------|--------------------------------|
| B. Bulk (Bag) | D. Disturbed | T. Plastic Tub |
| W. Water | G. Amber Glass Jar / Bottle | N. 'N' Value |
| U100. 100mm Undisturbed | CPT. Cone Penetration Test | HV. Hand Shear Vane |
| U38. 38mm Undisturbed Sample | U100. Blows (Recovery mm) | PID. Photo Ionisation Detector |
| SPT. Standard Penetration Test | V. 40ml Glass Vial | ES. Environmental Sample |

Notes

Dimensions: 0.65m x 0.85m x 1.70m Date: 10/04/13
 Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT). Status: Final
 Stability: Stable
 Groundwater: None encountered

Trial Pit Record

Trial Pit Number: TP112

Project Number: 44808

Contract Name: Gateacre High School, Liverpool

Client: Countryside Properties

Engineer: C. Radiven

Date Started: 08/04/13

Date Completed: 08/04/13

Elevation AOD (m): N/A

Co-ordinates: N/A

Excavation Method: JCB 3CX



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SUBSURFACE PROFILE

SAMPLES AND IN-SITU TESTING

Depth (mbgl)	Legend	Description	Depth of Strata (mbgl)	Type	Depth (mbgl)	Water Level (mbgl)	P.I.D (ppm)					Field / Laboratory Testing
							0	25	50	75	100	
		MADE GROUND: Brown gravelly clayey fine to medium sand. Gravel is fine to coarse angular to sub-angular of brick.	0.40									
1.0		MADE GROUND: Red black brown ashy gravelly clayey fine to medium sand. Gravel is fine to coarse sub-angular to angular of clinker, brick, metal, bottles and wood.		ES	1.50							
2.0		Red brown CLAY with some cobbles. Cobbles are sub-angular to angular of sandstone.	2.00									
			2.50									
3.0		Complete at 2.50m bgl on sandstone.										
4.0												
5.0												
6.0												

Key

- | | | |
|--------------------------------|-----------------------------|--------------------------------|
| B. Bulk (Bag) | D. Disturbed | T. Plastic Tub |
| W. Water | G. Amber Glass Jar / Bottle | N. 'N' Value |
| U100. 100mm Undisturbed | CPT. Cone Penetration Test | HV. Hand Shear Vane |
| U38. 38mm Undisturbed Sample | U100. Blows (Recovery mm) | PID. Photo Ionisation Detector |
| SPT. Standard Penetration Test | V. 40ml Glass Vial | ES. Environmental Sample |

Notes

Dimensions: 0.65m x 0.85m x 1.70m Date: 10/04/13
 Services: Prior to excavation the trial pit location was scanned with a Cable Avoidance Tool (CAT). Status: Final
 Stability: Stable
 Groundwater: None encountered