



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

Tel: 0191 387 4700 Fax: 0191 387 4710
Tel: 01772 735 300 Fax: 01772 735 999

TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454603.479 N:521283.232		PRAIRIE_AUK_TP146B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.643	Start Date: 14/04/2020	Sheet: 2 of 2

Figure PRAIRIE_AUK_TP146B.1
PRAIRIE_AUK_TP146B



Figure PRAIRIE_AUK_TP146B.2
PRAIRIE_AUK_TP146B - Spoil





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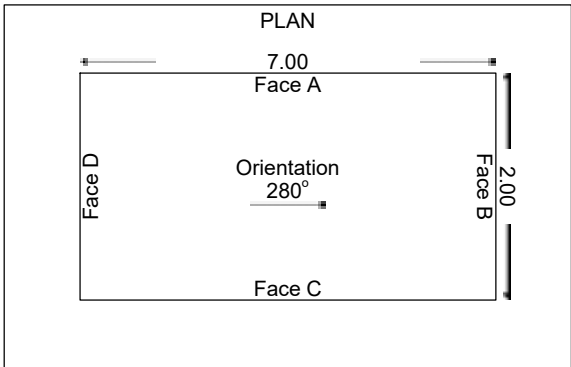
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG **Tel:** 0191 387 4700 **Fax:** 0191 387 4710
Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL **Tel:** 01772 735 300 **Fax:** 01772 735 999

TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454595.940 N:521282.000	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.682	Start Date: 14/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description		
0.05	J1			8.58		0.10	MADE GROUND (Brown sandy topsoil).		
0.30	J2						(0.60)	MADE GROUND (Black sandy gravel with medium cobble content and fragments of metal and wood. Gravel is fine to coarse subangular and includes red brick and concrete).	
0.50	B3					7.98		0.70	
						7.78		0.90	MADE GROUND (Strong grey concrete).
1.00	J4							(0.50)	MADE GROUND (Black clayey very sandy gravel with medium cobble content and fragments of metal and wood. Gravel is fine to coarse subangular and includes red brick, concrete and ash. Cobbles are subangular and include red brick and concrete. Slight hydrocarbon odour).
1.30	PID	0.2ppm				7.28		1.40	
1.30	ES5								
1.30	B6								
1.50	HSV	97 (40)kPa							Stiff grey brown slightly sandy CLAY. at c.1.70m BGL ... clay is of high plasticity.
1.70	J7							(1.60)	
2.30	B8								
2.50	PID	<0.1ppm					from c.2.50m BGL ... fissured.		
2.50	HSV	97 (30)kPa							
2.50	ES9								
2.50	J10								
2.70				5.68		3.00	Complete at 3.00m BGL.		



GROUNDWATER
Groundwater seepage at 1.20m BGL.

STABILITY
Face C unstable from c.0.90m BGL.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Relocated from PRAIRIE_AUK_TP146B.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454595.940 N:521282.000		PRAIRIE_AUK_TP146C
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.682	Start Date: 14/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP146C.1
PRAIRIE_AUK_TP146C



Figure PRAIRIE_AUK_TP146C.2
PRAIRIE_AUK_TP146C





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TRIAL PIT RECORD

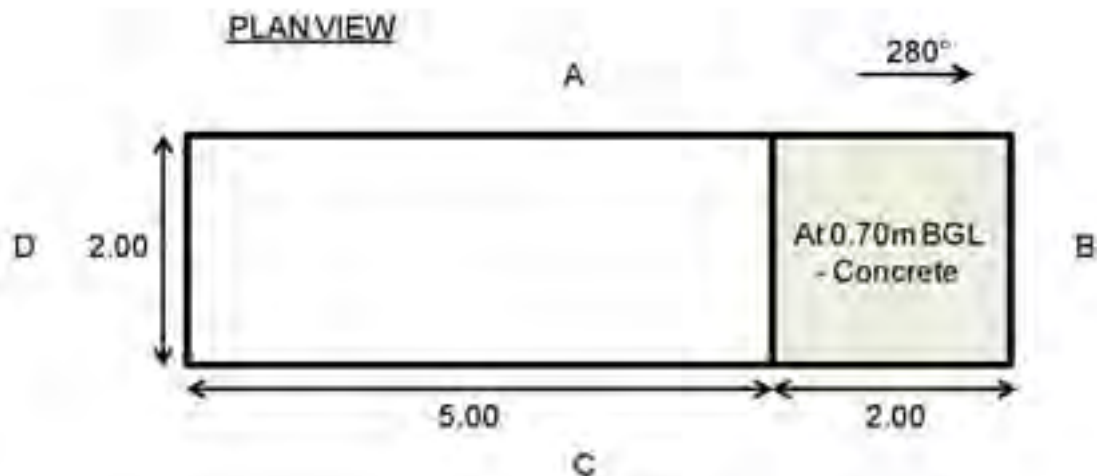
Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454595.940 N:521282.000		PRAIRIE_AUK_TP146C
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.682	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP146C.3
PRAIRIE_AUK_TP146C - Spoil



Figure PRAIRIE_AUK_TP146C.4
PRAIRIE_AUK_TP146C Sketch



Not to scale
All measurements in metres
unless otherwise stated



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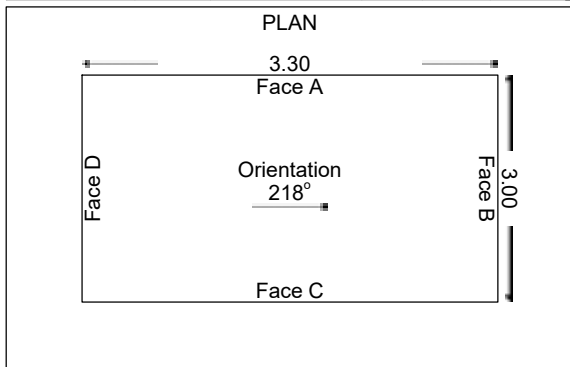
Tel: 0191 387 4700 **Fax:** 0191 387 4710
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454535.320 N:521258.153	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.595	Start Date: 17/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.40	J1		 ↓			(0.80)	MADE GROUND (Brown gravelly sand. Sand is fine to coarse. Gravel is fine to coarse subangular and includes concrete, brick and slag. Slag content is 0-25%. Slag is vesicular grey green white).
0.60	B2			7.80		0.80	
1.10	J3			7.60	1.00	MADE GROUND (Strong green grey fine grained concrete, possibly an old floor). from c.0.80m BGL ... Face C: concrete wall/structure.	
1.50	ES4	<0.1ppm		6.80	1.80	MADE GROUND (Brown black sand and gravel with medium cobble content, fragments of metal and occasional coarse gravel sized pockets of firm brown clay. Sand is fine to coarse. Gravel is fine to coarse subangular and includes brick, refractory brick, concrete and slag. Cobbles are subangular and include concrete and brick. Slag content is 0-25%. Slag is vesicular grey green white). at c.1.80m BGL ... concrete.	
1.50	PID						
1.70	B5					Terminated at 1.80m BGL - due to concrete base.	



GROUNDWATER
Perched water at 1.60m BGL

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Refer to following sketch for further details.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454535.320 N:521258.153		PRAIRIE_AUK_TP147
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.595	Start Date: 17/04/2020	

Figure PRAIRIE_AUK_TP147.1
PRAIRIE_AUK_TP147



Figure PRAIRIE_AUK_TP147.2
PRAIRIE_AUK_TP147





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TRIAL PIT RECORD

Status:-

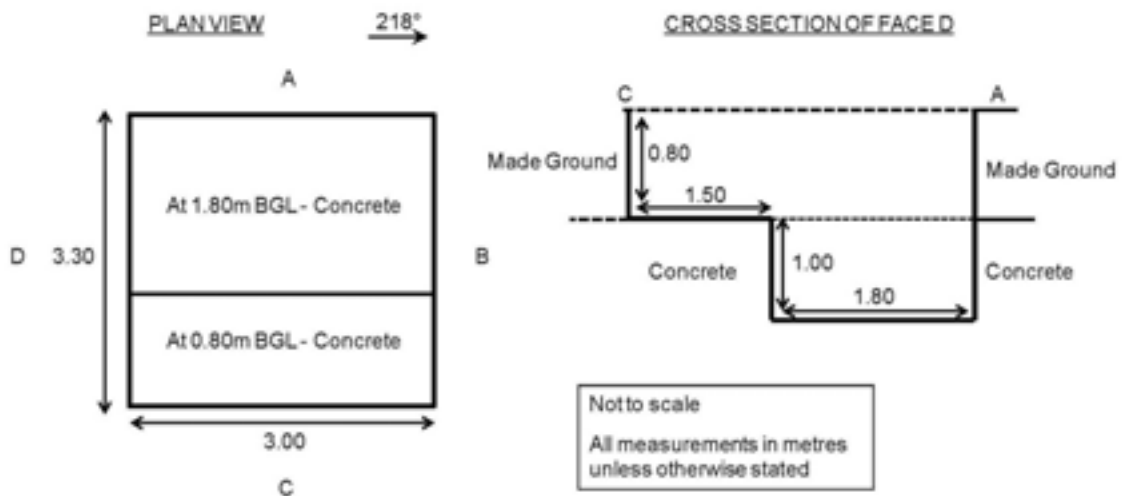
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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454535.320 N:521258.153		PRAIRIE_AUK_TP147
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.595	Start Date: 17/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP147.3
PRAIRIE_AUK_TP147 - Spoil



Figure PRAIRIE_AUK_TP147.4
PRAIRIE_AUK_TP147 Sketch





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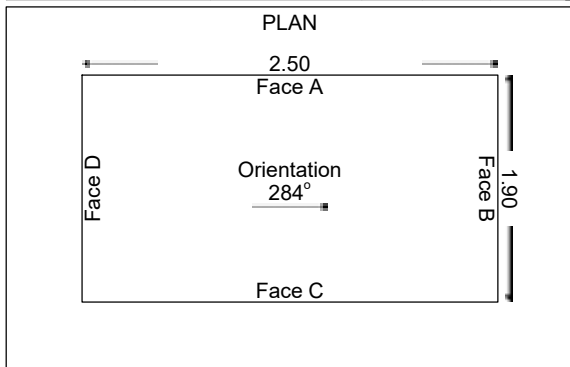
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454428.137 N:521287.984		PRAIRIE_AUK_TP148
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.724	Start Date: 16/04/2020	Sheet: 1 of 2

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				8.12		0.60	MADE GROUND (Brown sandy topsoil).
				7.52		1.20	MADE GROUND (Strong grey reinforced concrete (10mm diameter rebar)).
							Terminated at 1.20m BGL - due to concrete base.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) No samples taken.
 (2) Relocated to PRAIRIE_AUK_TP148A.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454428.137 N:521287.984		PRAIRIE_AUK_TP148
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.724	Start Date: 16/04/2020	

Figure PRAIRIE_AUK_TP148.1
PRAIRIE_AUK_TP148



Figure PRAIRIE_AUK_TP148.2
PRAIRIE_AUK_TP148





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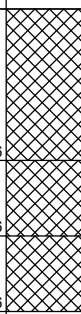
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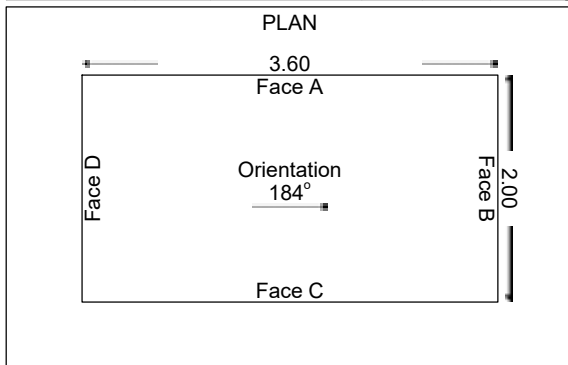
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454424.353 N:521284.277	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.956	Start Date: 16/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description		
0.50	J1					(1.00)	MADE GROUND (Grey brown gravelly sand with medium cobble and boulder content and fragments of metal, plastic, tile and wire. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes brick and concrete. Cobbles and boulders are subangular and include brick and concrete).		
0.80	B2			7.96		1.00			
1.30	J3	<0.1ppm		7.46		(0.50)	1.50	MADE GROUND (Black gravelly sand with fragments of metal. Sand is fine to coarse. Gravel is fine to coarse subangular and includes brick, concrete, ash and slag. Slag content is 0-25%. Slag is vesicular grey green white).	
1.30	B4						(0.50)	2.00	between c.1.00-1.20m BGL ... strong grey reinforced concrete (10mm diameter rebar).
1.40	ES5								MADE GROUND (Strong ground grey concrete or slag).
1.40	PID						Terminated at 2.00m BGL - due to concrete/slag base.		
1.40	B6								
1.70									



GROUNDWATER
Slight groundwater seepage at 1.70m BGL.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Relocated from PRAIRIE_AUK_TP148.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454424.353 N:521284.277		PRAIRIE_AUK_TP148A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.956	Start Date: 16/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP148A.1
PRAIRIE_AUK_TP148A



Figure PRAIRIE_AUK_TP148A.2
PRAIRIE_AUK_TP148A





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454424.353 N:521284.277		PRAIRIE_AUK_TP148A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.956	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP148A.3
PRAIRIE_AUK_TP148A - Spoil





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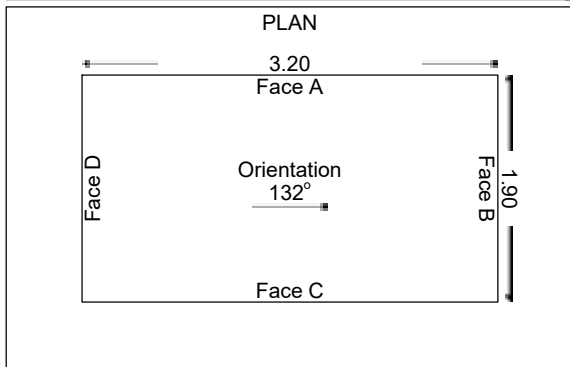
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454320.946 N:521308.856	PRAIRIE_AUK_TP149
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.798	Start Date: 09/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1				[Cross-hatched pattern]	1.50	MADE GROUND (Black clayey very sandy gravel with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, coal, coke, sinter and clinker. Cobbles are subangular and include concrete, slag and red brick. Slag content is 0-25%. Slag is vesicular grey green. Slight diesel odour noted).
1.00	B2						
1.30 1.30	ES3 PID	<0.1ppm		6.30		1.50	
1.80	J4				[Horizontal line pattern]	1.50	Firm indistinctly laminated orange brown mottled grey silty CLAY. at c.1.80m BGL ... clay is of intermediate to high plasticity.
2.00	HSV	55 (34)kPa					
2.20	B5						
2.80 2.80	J6 HSV	68 (20)kPa		4.80		3.00	Complete at 3.00m BGL.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454320.946 N:521308.856		PRAIRIE_AUK_TP149
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.798	Start Date: 09/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP149.1
PRAIRIE_AUK_TP149



Figure PRAIRIE_AUK_TP149.2
PRAIRIE_AUK_TP149





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454320.946 N:521308.856		PRAIRIE_AUK_TP149
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.798	Start Date: 09/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP149.3
PRAIRIE_AUK_TP149 - Spoil





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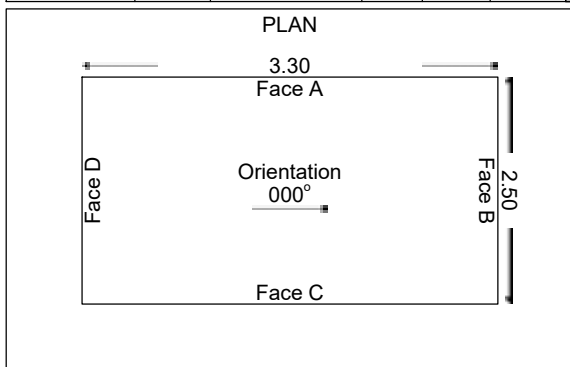
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		PRAIRIE_AUK_TP150	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Location: E:454235.334 N:521322.653	Sheet: 1 of 4
		Ground Level (m): 9.172	Start Date: 16/04/2020

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.50	J1			8.67	(0.50)	MADE GROUND (Brown black red sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, clinker, slag, brick and concrete. Slag content is 0-25%. Slag is vesicular).
0.60	B2				0.50	
1.50	ES3				(1.70)	MADE GROUND (Brown black grey clayey very sandy gravel with medium cobble content and fragments of metal and plastic. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, clinker, slag, brick and concrete. Slag content is 25-50%. Slag is vesicular). between c.0.50-2.20m BGL ... brick structure exposed on eastern side of pit and concrete structure exposed on southern and western sides of pit.
				6.97	2.20	at c.2.20m BGL ... 610mm diameter metal pipe (redundant) running 000 degrees. <i>Terminated at 2.20m BGL - due to service.</i>



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454235.334 N:521322.653		PRAIRIE_AUK_TP150
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.172	Start Date: 16/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP150.1
PRAIRIE_AUK_TP150



Figure PRAIRIE_AUK_TP150.2
PRAIRIE_AUK_TP150





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TRIAL PIT RECORD

Status:-

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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454235.334 N:521322.653		PRAIRIE_AUK_TP150
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.172	Start Date: 16/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP150.3
PRAIRIE_AUK_TP150



Figure PRAIRIE_AUK_TP150.4
PRAIRIE_AUK_TP150



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TRIAL PIT RECORD

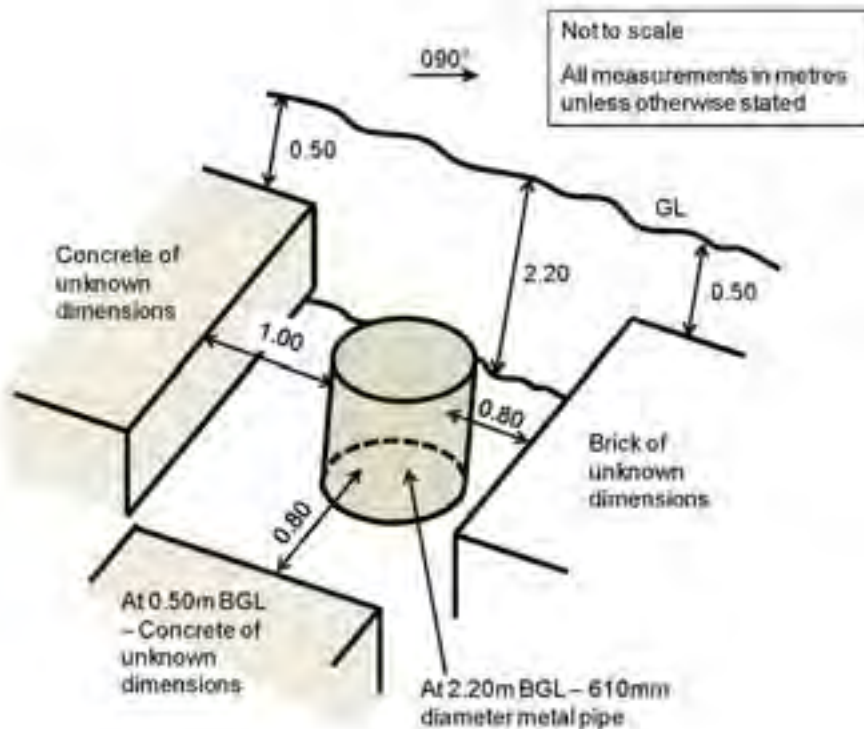
Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454235.334 N:521322.653		PRAIRIE_AUK_TP150
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.172	Start Date: 16/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP150.5
 PRAIRIE_AUK_TP150 - Spoil



Figure PRAIRIE_AUK_TP150.6
 PRAIRIE_AUK_TP150 Sketch





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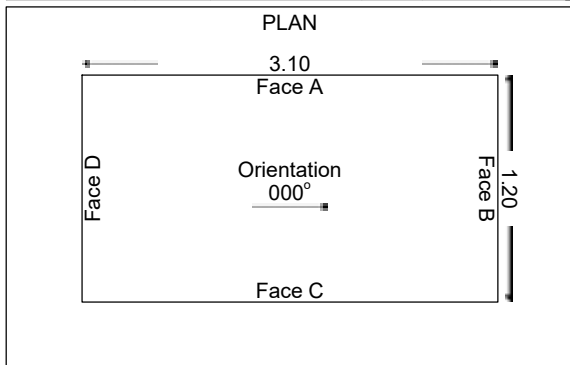
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:455089.187 N:521231.720	PRAIRIE_AUK_TP151
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.499	Start Date: 23/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.30	J1			10.30	[Cross-hatched pattern]	0.20	MADE GROUND (Grey sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes sandstone, concrete and red brick).
0.40	B2			10.00		0.50	
0.50	PID	1.1ppm		9.90		0.60	
0.80	J3				[Cross-hatched pattern]		MADE GROUND (Grey sandy gravel with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes weak (lean) mix concrete and fused grey ash).
1.00	B4						
1.00	PID	0.8ppm					
1.20	ES5						
1.50	PID	0.9ppm					
1.80	J6				[Cross-hatched pattern]	(2.30)	MADE GROUND (Compacted grey blue ash. Recovered as sandy gravel. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, weak concrete and possibly fused ash).
2.00	B7						
2.00	PID	<0.1ppm					
2.50	PID	<0.1ppm					
2.80	J8			7.60	[Cross-hatched pattern]	2.90	MADE GROUND (Grey brown black red clayey sandy gravel with high cobble content with fragments of metal. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker, coke, weak concrete and red and yellow brick. Cobbles are angular and include red and yellow brick and concrete).
3.00	PID	<0.1ppm					
3.20	B9						
3.80	J10				[Cross-hatched pattern]	(1.30)	Firm (friable) brown silty CLAY with yellow silty fine to medium sand lenses. Engineer notes becoming faintly interlaminated silt and clay with depth.
4.20	B11			6.30		4.20	
							Complete at 4.20m BGL.



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:455089.187 N:521231.720		PRAIRIE_AUK_TP151
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.499	Start Date: 23/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP151.1
PRAIRIE_AUK_TP151



Figure PRAIRIE_AUK_TP151.2
PRAIRIE_AUK_TP151





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:455089.187 N:521231.720		PRAIRIE_AUK_TP151
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.499	Start Date: 23/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP151.3
PRAIRIE_AUK_TP151



Figure PRAIRIE_AUK_TP151.4
PRAIRIE_AUK_TP151 - Spoil





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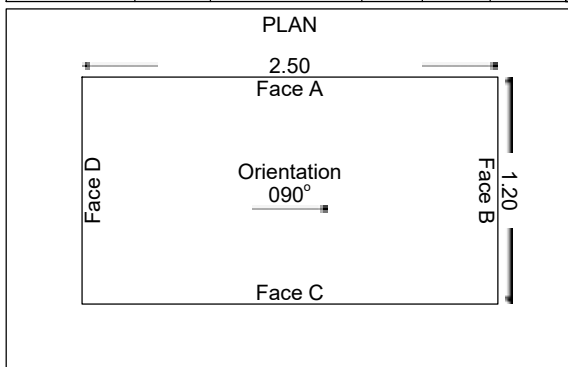
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:455033.237 N:521245.226	PRAIRIE_AUK_TP152
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.958	Start Date: 22/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.30	J1			9.76		0.20	MADE GROUND (Grey sandy gravel with fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes sandstone, concrete and slag. Slag content is 0-25%. Slag is vesicular grey).
0.50	PID	0.3ppm		9.56		0.40	
0.65	J2			9.36		0.60	
0.80	B3					(1.50)	MADE GROUND (Compacted grey blue ash. Recovered as sandy gravel. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, weak concrete and possible fused ash).
1.00	PID	1.6ppm					
1.50	PID	0.8ppm					
1.60	J4						
1.80	B5						
2.00	ES6			7.86		2.10	MADE GROUND (Grey sandy gravel with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes weak (lean) mix concrete and grey fused ash).
							MADE GROUND (Grey brown black red clayey sandy gravel with high cobble content and fragments of metal. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker, coke, weak concrete and red and yellow brick. Cobbles are angular and include red and yellow brick and concrete). at c.2.10m BGL ... concrete. <i>Terminated at 2.10m BGL - due to concrete base.</i>



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:455033.237 N:521245.226		PRAIRIE_AUK_TP152
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.958	Start Date: 22/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP152.1
PRAIRIE_AUK_TP152



Figure PRAIRIE_AUK_TP152.2
PRAIRIE_AUK_TP152





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:455033.237 N:521245.226		PRAIRIE_AUK_TP152
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.958	Start Date: 22/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP152.3
PRAIRIE_AUK_TP152 - Spoil





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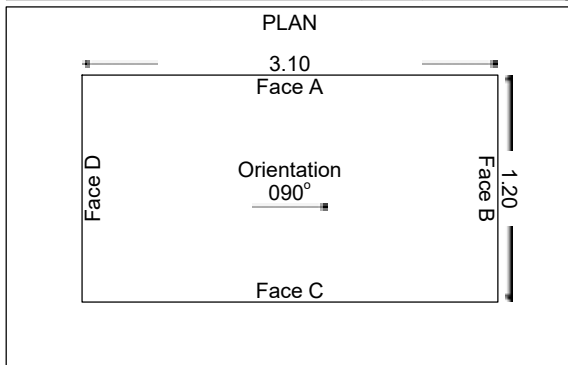
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP153
Client: South Tees Development Corporation	Location: E:454900.596 N:521232.384	
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.441	Start Date: 22/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1			9.24	[Cross-hatched pattern]	0.20	MADE GROUND (Grey sandy gravel with many rootlets and fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes sandstone, concrete and slag. Slag content is 0-25%. Slag is vesicular grey).
0.50	PID	1.8ppm		9.14		0.30	
0.80	J2				[Cross-hatched pattern]	0.60	MADE GROUND (Macadam).
0.90	B3					(0.60)	
1.00	PID	0.5ppm		8.24	[Cross-hatched pattern]	1.20	MADE GROUND (Compacted grey sandy gravel. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, weak concrete and possible fused ash).
1.10	ES4						
1.50	J5				[Horizontal dashed pattern]	(1.20)	MADE GROUND (Grey brown black red sandy gravel with medium cobble content and fragments of metal. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker, coke, weak concrete and slag. Cobbles are angular and include brick. Slag content is 0-25%. Slag is vesicular grey).
1.50	PID	<0.1ppm					
1.60	B6				[Horizontal dashed pattern]	2.40	Firm grey brown slightly sandy CLAY with sand lenses. Sand is fine to medium. at c.2.00m BGL ... 150mm diameter clay pipe (broken) at eastern end of pit running 000 degrees with slight seepage and hydrocarbon odour.
2.00	PID	<0.1ppm		7.04			
2.40	J7						Terminated at 2.40m BGL - due to service.



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W.</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454900.596 N:521232.384		PRAIRIE_AUK_TP153
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.441	Start Date: 22/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP153.1
PRAIRIE_AUK_TP153



Figure PRAIRIE_AUK_TP153.2
PRAIRIE_AUK_TP153





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454900.596 N:521232.384		PRAIRIE_AUK_TP153
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.441	Start Date: 22/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP153.3
PRAIRIE_AUK_TP153 - Spoil





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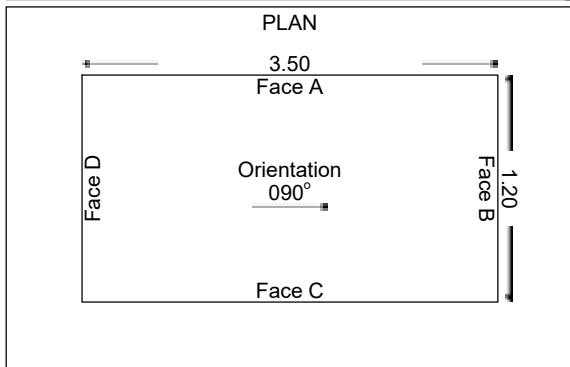
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454781.179 N:521239.256	PRAIRIE_AUK_TP154
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.292	Start Date: 21/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	PID J1	1.1ppm		9.19		0.10	MADE GROUND (Grey sandy gravel with many rootlets and fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes sandstone, concrete and slag. Slag content is 25-50%. Slag is vesicular grey).
0.60				8.99		0.30	
0.80	B2	0.2ppm		8.39		0.60	MADE GROUND (Grey gravel. Gravel is medium to coarse subangular and includes limestone and slag. Slag content is 0-25%).
0.85	ES3					0.90	
1.00	PID						
1.30	J4	<0.1ppm				(2.20)	MADE GROUND (Grey brown black sandy gravel with fragments of metal. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker, coke, weak concrete and possibly fused ash). at c.0.90m BGL ... 100mm diameter cast iron pipe in western most end of pit running 045 degrees.
1.50	PID						
1.60	B5						
2.30	J6						Firm grey brown slightly sandy CLAY. Sand is fine to medium. Engineer notes grading to interlaminated silt/clay with depth. at c.1.30m BGL ... clay is of high plasticity. at c.2.30m BGL ... clay is of intermediate plasticity.
2.60	B7						
				6.19		3.10	Complete at 3.10m BGL.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454781.179 N:521239.256		PRAIRIE_AUK_TP154
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.292	Start Date: 21/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP154.1
PRAIRIE_AUK_TP154



Figure PRAIRIE_AUK_TP154.2
PRAIRIE_AUK_TP154





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454781.179 N:521239.256		PRAIRIE_AUK_TP154
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.292	Start Date: 21/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP154.3
PRAIRIE_AUK_TP154



Figure PRAIRIE_AUK_TP154.4
PRAIRIE_AUK_TP154 - Spoil





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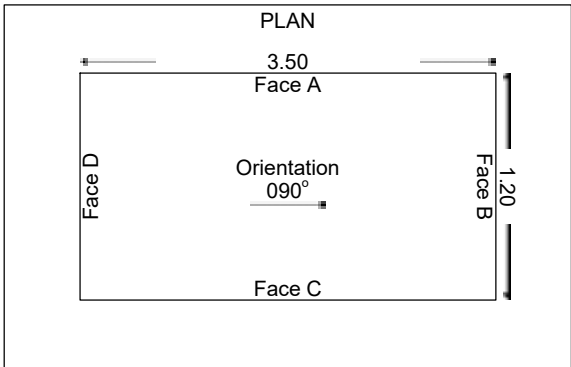
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454696.705 N:521187.080	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 9.536	Start Date: 21/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.40	J1			9.34		0.20	MADE GROUND (Grey sandy gravel with many rootlets and fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes sandstone, concrete and slag. Slag content is 25-50%. Slag is vesicular grey).
0.40	B2	1.8ppm		9.24		0.30	
0.50	ES3			8.74	0.80	MADE GROUND (Compacted slag recovered as brown cobbles. Cobbles are angular and include slag. Slag content is 50-75%. Slag is grey dark blue iron rich).	
1.00	PID	0.1ppm					MADE GROUND (Brown slightly clayey sandy gravel with fragments of metal. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker and coke).
1.20	J4					(1.40)	Firm grey brown slightly sandy silty CLAY. Sand is fine to medium. Engineer notes grading to interlaminated silt and clay with depth. at c.1.20m BGL ... clay is of intermediate plasticity.
1.50	PID	<0.1ppm					
1.60	B5						
2.20	J6			7.34		2.20	Complete at 2.20m BGL.



GROUNDWATER
Saturated strata at 0.80m BGL (slight inflow).

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454696.705 N:521187.080		PRAIRIE_AUK_TP155
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.536	Start Date: 21/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP155.1
PRAIRIE_AUK_TP155

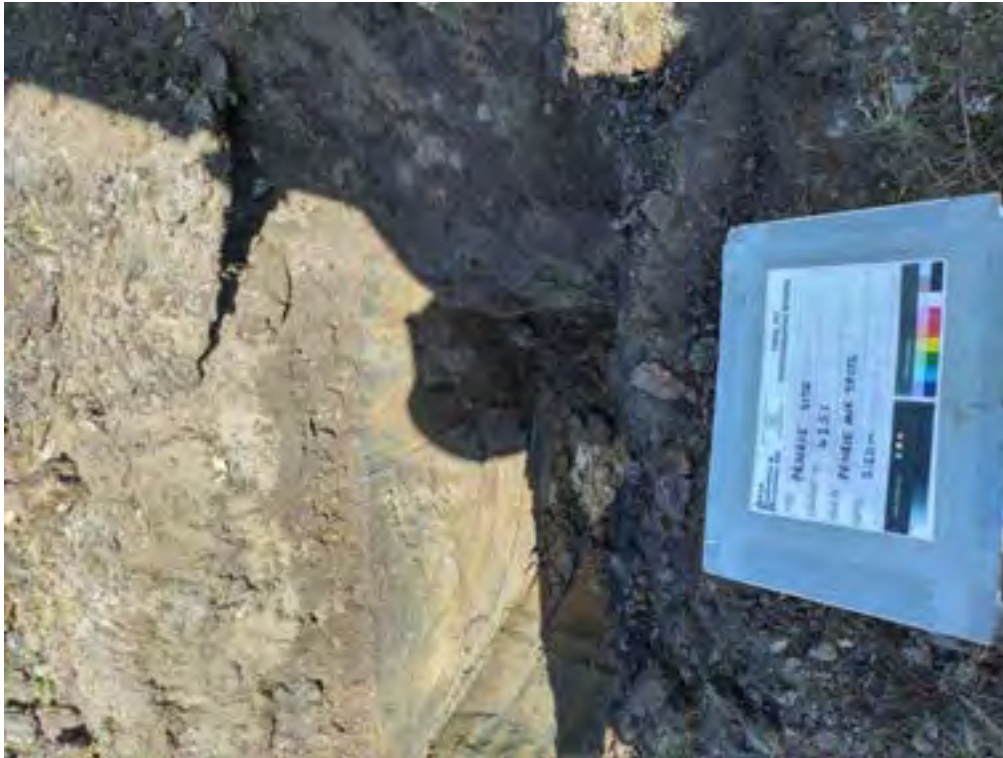
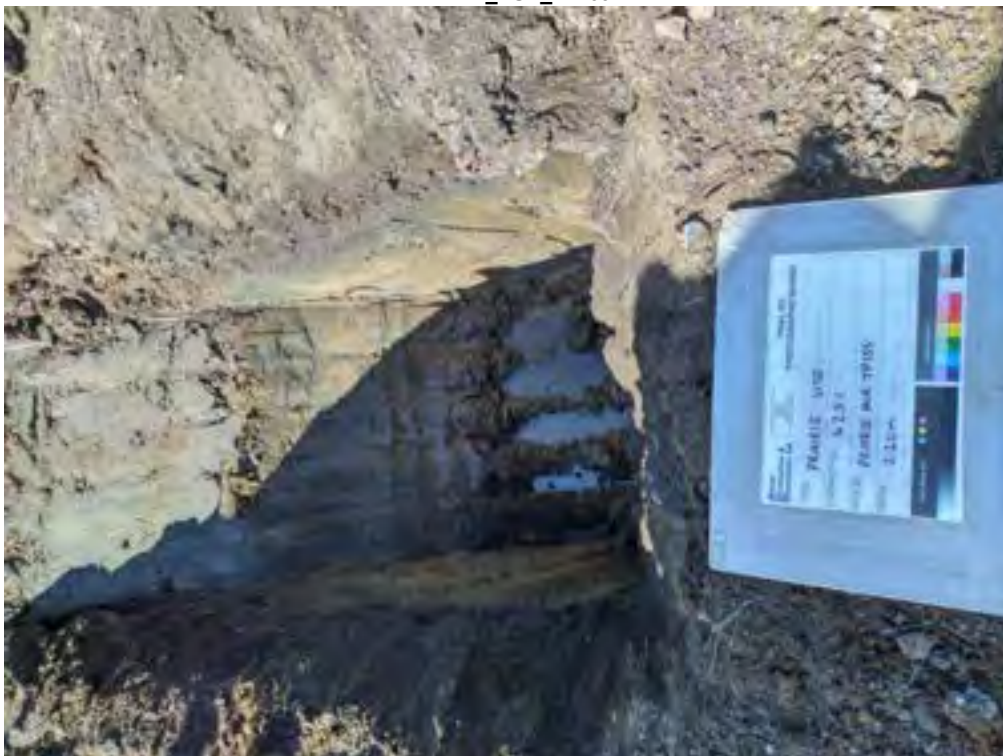


Figure PRAIRIE_AUK_TP155.2
PRAIRIE_AUK_TP155





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454696.705 N:521187.080		PRAIRIE_AUK_TP155
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.536	Start Date: 21/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP155.3
PRAIRIE_AUK_TP155 - Spoil



Figure PRAIRIE_AUK_TP155.4
PRAIRIE_AUK_TP155 - Spoil





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454622.162 N:521209.315		PRAIRIE_AUK_TP156
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.945	Start Date: 14/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP156.1
PRAIRIE_AUK_TP156



Figure PRAIRIE_AUK_TP156.2
PRAIRIE_AUK_TP156





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454622.162 N:521209.315		PRAIRIE_AUK_TP156
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.945	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP156.3
PRAIRIE_AUK_TP156 - Spoil





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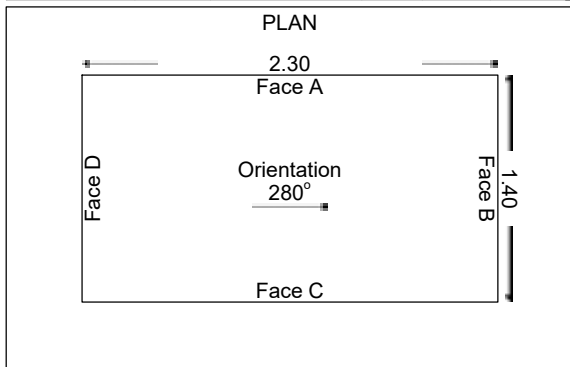
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454619.192 N:521200.662	PRAIRIE_AUK_TP156A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.863	Start Date: 14/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			Water	STRATA		
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)
0.10	J1				0.60	MADE GROUND (Black gravelly sand. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, macadam, concrete).
0.30	ES2				0.60	
0.30	PID	<0.1ppm		8.26	0.60	MADE GROUND (Strong dark grey fine grained concrete or slag).
0.50	B3			8.06	0.80	
0.70	B4					Firm orange brown mottled grey slightly sandy CLAY. at c.1.10m BGL .. clay is of low plasticity.
1.00	HSV	102 (40)kPa				
1.10	J5				1.70	
1.50	B6					Complete at 2.50m BGL.
2.00	HSV	99 (38)kPa			2.50	
2.10	J7			6.36		



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454619.192 N:521200.662		PRAIRIE_AUK_TP156A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.863	Start Date: 14/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP156A.1
PRAIRIE_AUK_TP156A



Figure PRAIRIE_AUK_TP156A.2
PRAIRIE_AUK_TP156A





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454619.192 N:521200.662		PRAIRIE_AUK_TP156A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.863	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP156A.3
PRAIRIE_AUK_TP156A - Spoil





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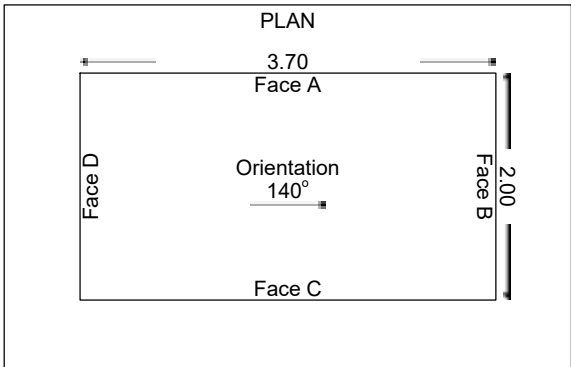
Tel: 0191 387 4700 Fax: 0191 387 4710
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No. PRAIRIE_AUK_TP157	
Client: South Tees Development Corporation		Location: E:454503.120 N:521204.274		Sheet: 1 of 3
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.742	Start Date: 17/04/2020	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.50	J1					MADE GROUND (Brown gravelly sand with low cobble content and fragments of metal, girders, metal pipe, metal rope and metal sheets. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red brick, concrete and slag. Cobbles are subangular and include concrete. Slag content is 0-25%. Slag is vesicular grey green white). at c.1.10m BGL ... concrete. <i>Terminated at 1.10m BGL - due to concrete base.</i>
0.80	ES2					
0.80	PID	<0.1ppm		7.64		
1.00	B3					



GROUNDWATER
 Damp at 1.10m BGL.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Relocated to PRAIRIE_AUK_TP157A.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454503.120 N:521204.274		PRAIRIE_AUK_TP157
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.742	Start Date: 17/04/2020	

Figure PRAIRIE_AUK_TP157.1
PRAIRIE_AUK_TP157



Figure PRAIRIE_AUK_TP157.2
PRAIRIE_AUK_TP157





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TRIAL PIT RECORD

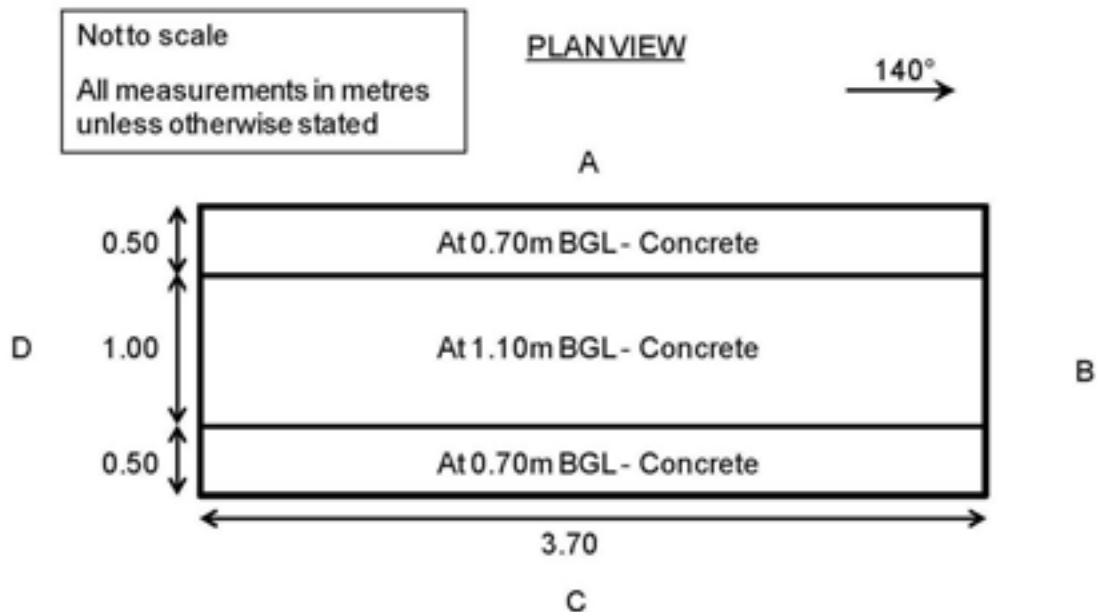
Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454503.120 N:521204.274		PRAIRIE_AUK_TP157
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.742	Start Date: 17/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP157.3
PRAIRIE_AUK_TP157 - Spoil



Figure PRAIRIE_AUK_TP157.4
PRAIRIE_AUK_TP157 Sketch





ALLIED EXPLORATION & GEOTECHNICS LIMITED

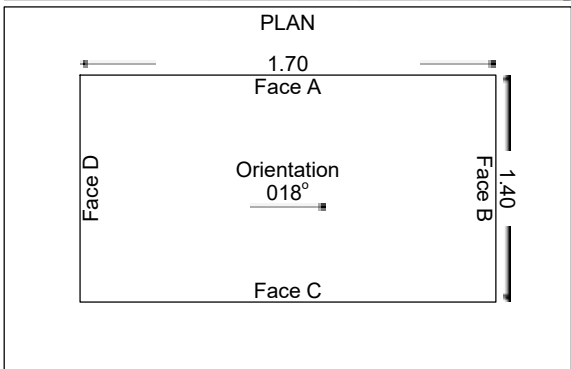
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG **Tel:** 0191 387 4700 **Fax:** 0191 387 4710
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454497.482 N:521205.005		PRAIRIE_AUK_TP157A
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.784	Start Date: 17/04/2020	Sheet: 1 of 3

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
				7.48		MADE GROUND (Brown gravelly sand with medium cobble content with fragments of metal. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red brick, concrete and slag. Cobbles are subangular and include concrete. Slag content is 0-25%. Slag is vesicular grey green white). from c.0.10m BGL ... Face A: brick structure. at c.1.30m BGL ... concrete. <i>Terminated at 1.30m BGL - due to concrete base.</i>
					1.30	



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

- (1) Relocated from PRAIRIE_AUK_TP157.
- (2) Relocated to PRAIRIE_AUK_TP157B.
- (3) No samples taken.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454497.482 N:521205.005		PRAIRIE_AUK_TP157A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.784	Start Date: 17/04/2020	
			Sheet: 2 of 3

Figure PRAIRIE_AUK_TP157A.1
PRAIRIE_AUK_TP157A



Figure PRAIRIE_AUK_TP157A.2
PRAIRIE_AUK_TP157A





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TRIAL PIT RECORD

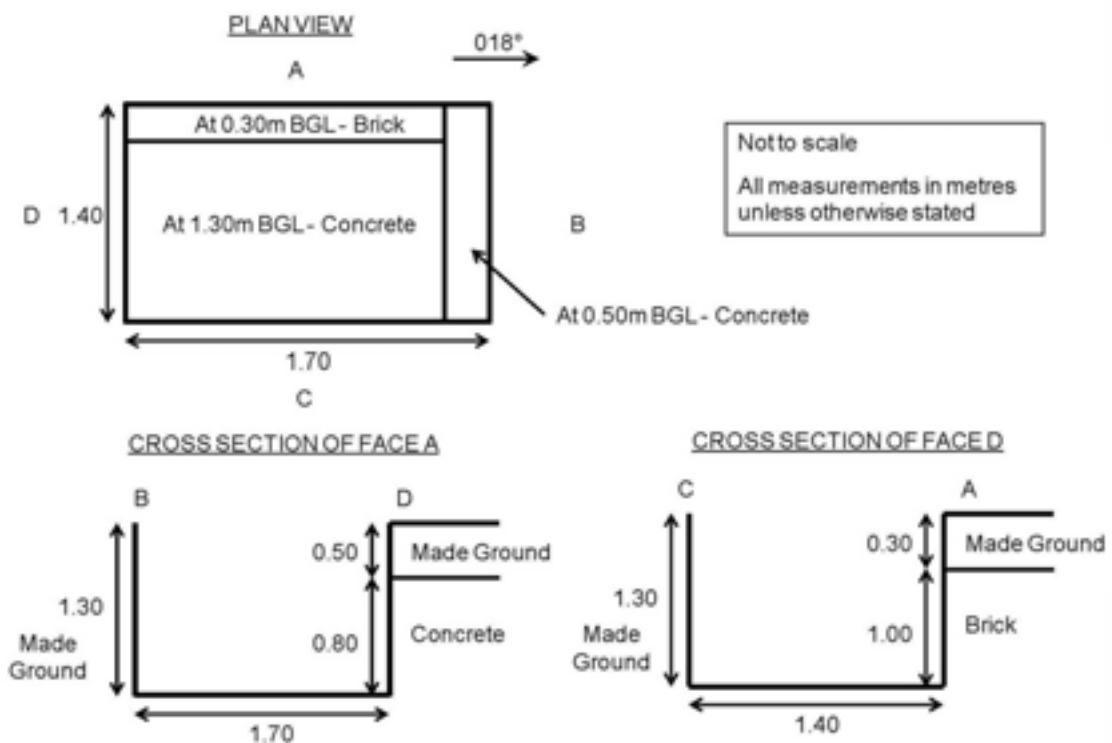
Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454497.482 N:521205.005		PRAIRIE_AUK_TP157A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.784	Start Date: 17/04/2020	
			Sheet: 3 of 3

Figure PRAIRIE_AUK_TP157A.3
PRAIRIE_AUK_TP157A - Spoil



Figure PRAIRIE_AUK_TP157A.4
PRAIRIE_AUK_TP157A Sketch





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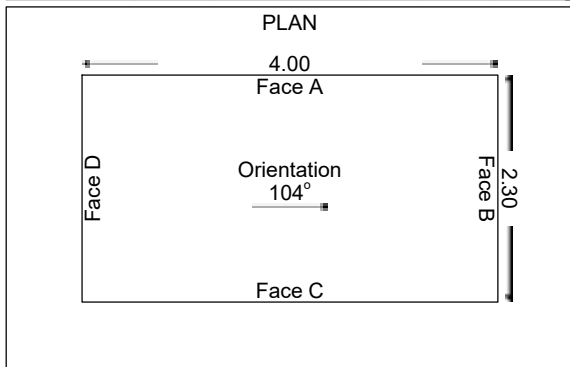
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454499.221 N:521207.945		PRAIRIE_AUK_TP157B
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.652	Start Date: 17/04/2020	Sheet: 1 of 3

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
			↓	5.15	(3.50)	MADE GROUND (Brown gravelly sand with high cobble and boulder content and fragments of metal, wire and metal pipe. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red brick and concrete. Cobbles are subangular and include concrete and brick. Boulders are subangular and include cemented red bricks and concrete with rebar (10-50mm diameter rebar)).
						Terminated at 3.50m BGL - due to concrete boulders.



GROUNDWATER
 Water strike at 1.00m BGL.

STABILITY
 All faces unstable below 0.50m BGL

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Relocated from PRAIRIE_AUK_TP157A.
 (2) No samples taken.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454499.221 N:521207.945		PRAIRIE_AUK_TP157B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.652	Start Date: 17/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP157B.1
PRAIRIE_AUK_TP157B



Figure PRAIRIE_AUK_TP157B.2
PRAIRIE_AUK_TP157B



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TRIAL PIT RECORD

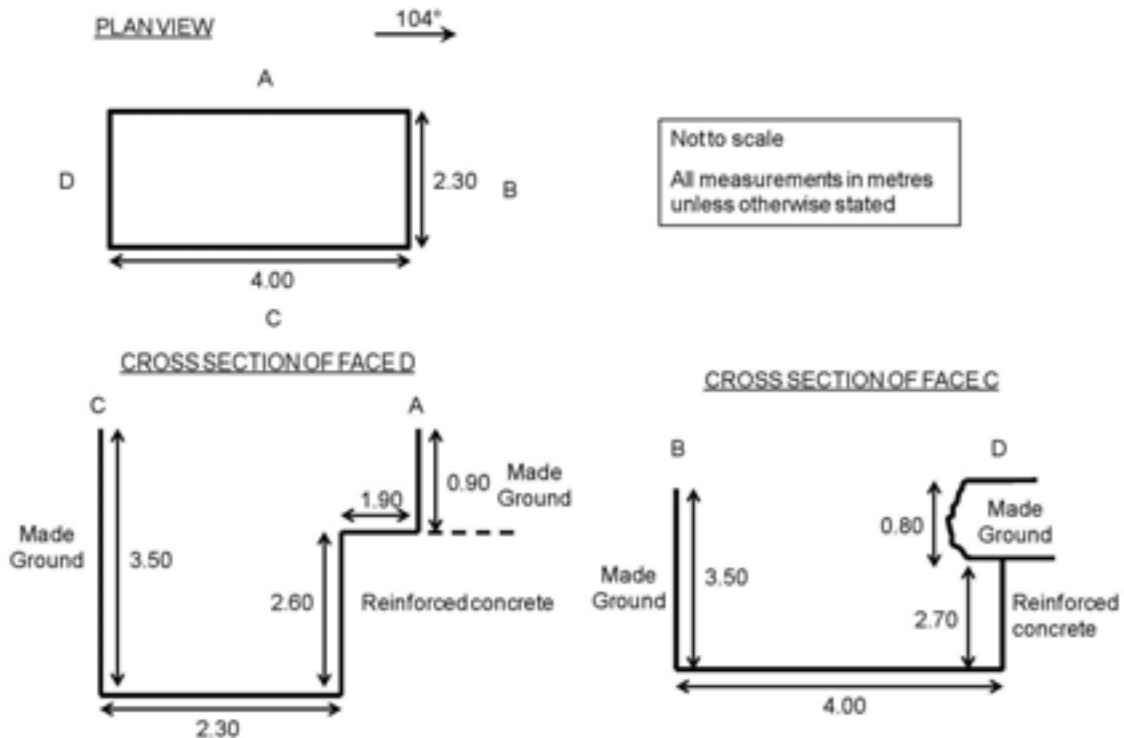
Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454499.221 N:521207.945		PRAIRIE_AUK_TP157B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.652	Start Date: 17/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP157B.3
 PRAIRIE_AUK_TP157B - Spoil



Figure PRAIRIE_AUK_TP157B.4
 PRAIRIE_AUK_TP157B Sketch





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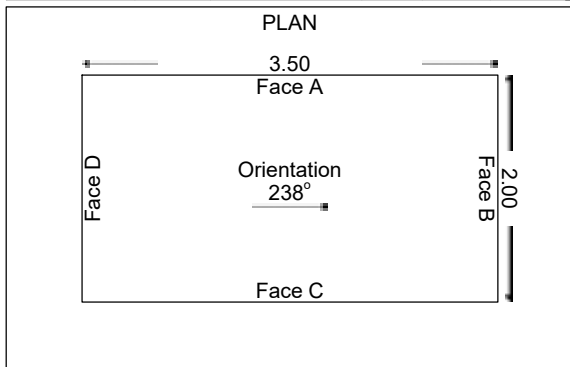
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No. PRAIRIE_AUK_TP158
Client: South Tees Development Corporation		Location: E:454406.541 N:521196.157	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.657	Start Date: 17/04/2020
			Sheet: 1 of 4

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1						MADE GROUND (Brown gravelly sand with high cobble and boulder content and fragments of metal and scaffold pipes. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red brick, concrete and slag. Cobbles and boulders are subangular and include red brick and concrete. Slag content is 0-25%. Slag is vesicular grey green white).
1.00	B2					(2.00)	
1.30	ES3	<0.1ppm					
1.30	PID						
1.50	J4						
1.90	B5				6.66	2.00	Firm to stiff indistinctly laminated orange brown mottled grey slightly sandy CLAY.
2.50	J6	95 (41)kPa				(1.20)	
2.50	HSV						
3.00	B7				5.46	3.20	Complete at 3.20m BGL.



GROUNDWATER
Water strike at 1.00m BGL.

STABILITY
Faces A and B unstable from 0.50m BGL.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454406.541 N:521196.157		PRAIRIE_AUK_TP158
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.657	Start Date: 17/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP158.1
PRAIRIE_AUK_TP158



Figure PRAIRIE_AUK_TP158.2
PRAIRIE_AUK_TP158





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454406.541 N:521196.157		PRAIRIE_AUK_TP158
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.657	Start Date: 17/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP158.3
PRAIRIE_AUK_TP158



Figure PRAIRIE_AUK_TP158.4
PRAIRIE_AUK_TP158 - Spoil





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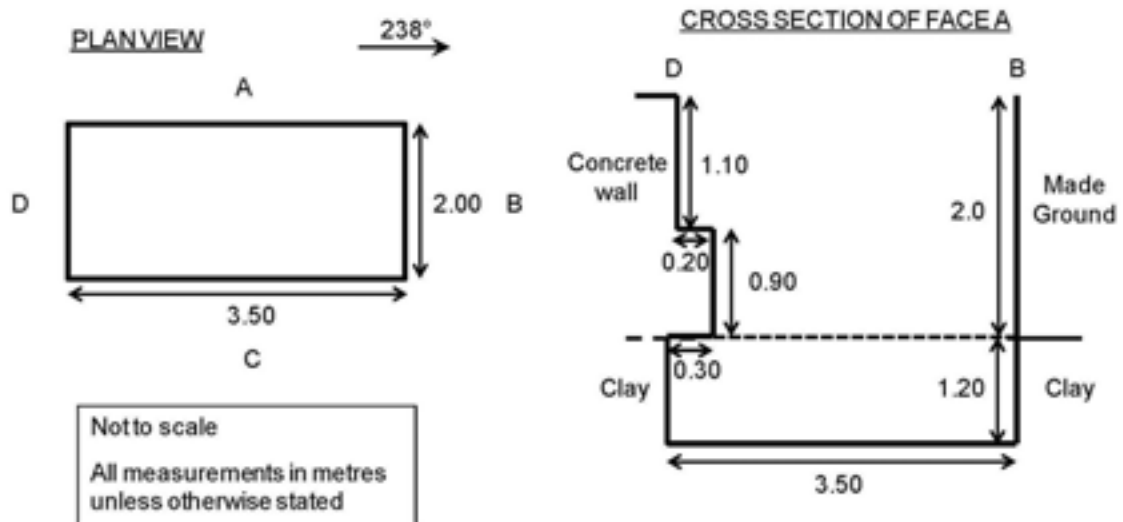
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454406.541 N:521196.157		PRAIRIE_AUK_TP158
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.657	Start Date: 17/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP158.5
PRAIRIE_AUK_TP158 Sketch





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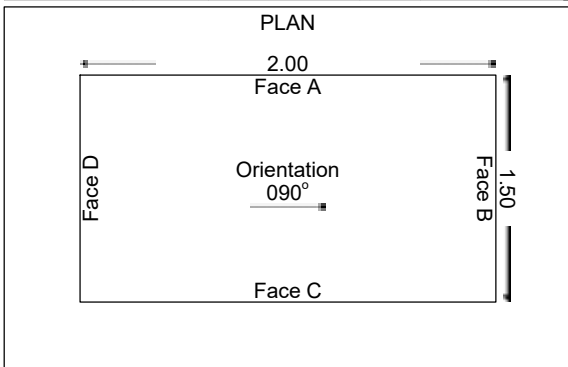
Tel: 0191 387 4700 Fax: 0191 387 4710
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP159	
Client: South Tees Development Corporation		Location: E:454285.744 N:521206.190	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.909	Start Date: 16/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.20 0.40 0.60 0.60	J1 B2 ES3 PID	<0.1ppm		8.01		MADE GROUND (Brown black red sandy gravel with fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, clinker and slag. Slag content is 0-25%).
				7.41		MADE GROUND (Brown gravel. Gravel is fine to medium subrounded and includes sandstone and clinker). (Pipe bedding). at c.1.20m BGL ... 150mm diameter clay pipe (broken).
1.80	J4					Soft to firm (friable) interlaminated brown SILT and CLAY with silty sand/sandy silt lenses.
2.30	B5					Complete at 2.50m BGL.



GROUNDWATER
 Saturated strata between 0.90-1.50m BGL (Slow inflow)

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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Tel: 01772 735 300 Fax: 01772 735 999

TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454285.744 N:521206.190		PRAIRIE_AUK_TP159
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.909	Start Date: 16/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP159.1
PRAIRIE_AUK_TP159



Figure PRAIRIE_AUK_TP159.2
PRAIRIE_AUK_TP159





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454285.744 N:521206.190		PRAIRIE_AUK_TP159
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.909	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP159.3
PRAIRIE_AUK_TP159



Figure PRAIRIE_AUK_TP159.4
PRAIRIE_AUK_TP159 - Spoil





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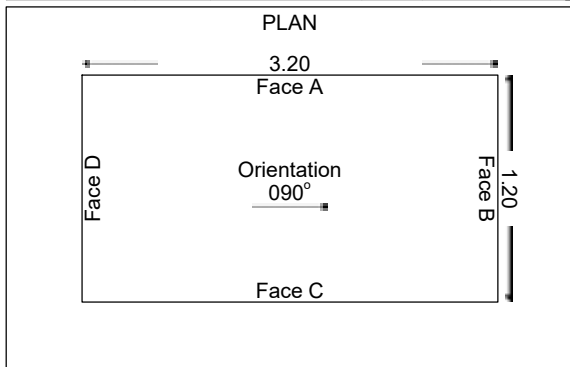
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454601.562 N:521089.621	PRAIRIE_AUK_TP160
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.063	Start Date: 21/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.20	J1					MADE GROUND (Grey sandy gravel with many rootlets. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, concrete, ash, coke and brick. Slag content is 25-50%. Slag is vesicular grey).
0.30	B2			9.66	0.40	
				9.46	0.60	
0.70	J3			9.26	0.80	MADE GROUND (Concrete and 10mm diameter rebar).
0.75	ES4					MADE GROUND (Brown sandy gravel with fragments of metal. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker and coke). Firm laminated grey brown slightly sandy CLAY. Sand is fine to medium. at c.0.80m BGL ... 150mm diameter cast iron pipe (redundant) in western edge of pit running 000 degrees.
1.00	PID	0.7ppm				
1.10	J5					
1.30	B6				1.30	
1.50	PID	<0.1ppm				
2.10	J7			7.96	2.10	Terminated at 2.10m BGL - due to service.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454601.562 N:521089.621		PRAIRIE_AUK_TP160
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.063	Start Date: 21/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP160.1
PRAIRIE_AUK_TP160



Figure PRAIRIE_AUK_TP160.2
PRAIRIE_AUK_TP160





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454601.562 N:521089.621		PRAIRIE_AUK_TP160
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.063	Start Date: 21/04/2020	

Figure PRAIRIE_AUK_TP160.3
PRAIRIE_AUK_TP160



Figure PRAIRIE_AUK_TP160.4
PRAIRIE_AUK_TP160 - Spoil





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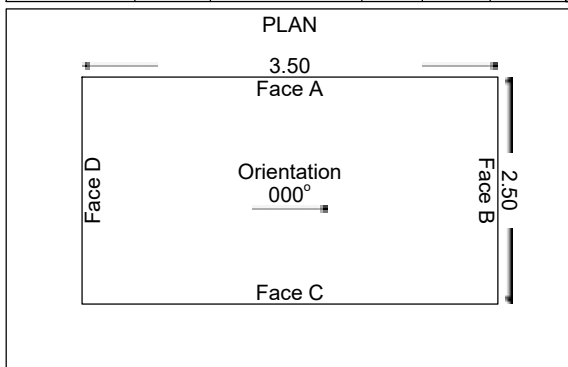
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454550.399 N:521081.305	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.027	Start Date: 20/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			Water	STRATA			
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1		9.73		0.30	MADE GROUND (Grey sandy gravel with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, concrete and coke. Slag content is 25-50%. Cobbles are angular and include slag. Slag content is 75-100%. Slag is vesicular grey green).	
0.80	B2	0.8ppm			(0.90)		
0.80	PID						
1.00	ES3		8.83		1.20	MADE GROUND (Grey red and black sandy gravel and cobbles with fragments of wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes concrete, slag, ash and brick. Cobbles are subangular and include slag and concrete. Slag content is 25-50%. Slag is vesicular grey).	
1.50	J4					(Engineer notes concrete structure close to pit walls).	
1.80	B5				(1.50)	at c.1.20m BGL ... concrete noted. Pit extended west to avoid.	
2.00	ES6	<0.1ppm				between c.1.20-2.30m BGL ... possibly reworked due to adjacent structures.	
2.00	PID					Firm brown laminated brown CLAY with yellow fine to coarse sand lenses.	
2.50	J7		7.33		2.70	Complete at 2.70m BGL.	



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Concrete walls bound pit to east and west.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454550.399 N:521081.305		PRAIRIE_AUK_TP161
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.027	Start Date: 20/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP161.1
PRAIRIE_AUK_TP161



Figure PRAIRIE_AUK_TP161.2
PRAIRIE_AUK_TP161





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454550.399 N:521081.305		PRAIRIE_AUK_TP161
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.027	Start Date: 20/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP161.3
PRAIRIE_AUK_TP161



Figure PRAIRIE_AUK_TP161.4
PRAIRIE_AUK_TP161 - Spoil





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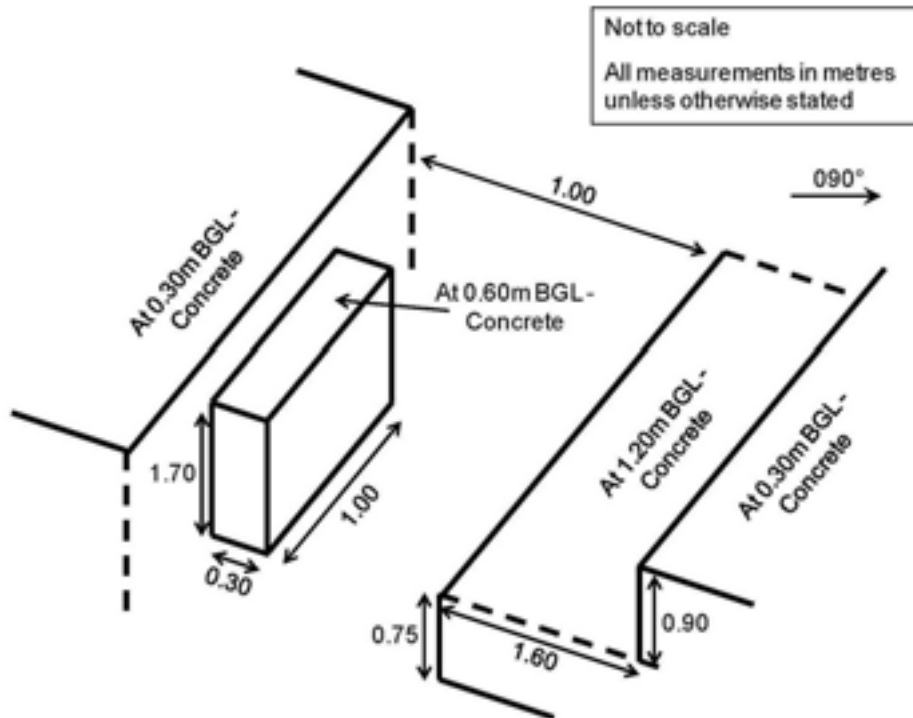
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP161	
Client: South Tees Development Corporation	Location: E:454550.399 N:521081.305		Sheet: 4 of 4
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.027	Start Date: 20/04/2020	

Figure PRAIRIE_AUK_TP161.5
PRAIRIE_AUK_TP161 Sketch





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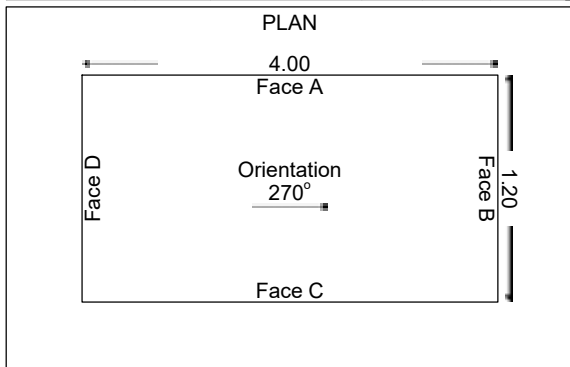
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP162	
Client: South Tees Development Corporation		Location: E:454442.350 N:521100.483	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.562	Start Date: 14/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.70	J1	<0.1ppm		10.16		0.40	MADE GROUND (Brown red yellow cobbles. Cobbles are angular and include red brick).	
0.90	B2			10.06		0.50	MADE GROUND (Concrete).	
1.60	J3			8.76		1.80	1.30	MADE GROUND (Black brown clayey very sandy gravel with medium cobble content and fragments of wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes brick, slag, ash and clinker. Slag content is 50-75%. Cobbles are angular and include slag and red brick. Slag content is 25-50%. Slag is vesicular grey).
1.70	ES4							
1.70	PID			7.56		3.00	1.20	MADE GROUND (Soft to firm brown silty slightly sandy clay with lenses of orange brown sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes ash and clinker). at c.2.50m BGL ... clay is of high plasticity.
2.00	J5							
2.50	B6			6.56		4.00	1.00	Firm interlaminated brown slightly sandy SILT and CLAY. at c.3.10m BGL ... clay of high plasticity.
3.10	J7							
3.50	B8				Complete at 4.00m BGL.			



GROUNDWATER
 Saturated strata at 2.80m BGL within granular lenses (heavy inflow).

STABILITY
 Pit sides moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454442.350 N:521100.483		PRAIRIE_AUK_TP162
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.562	Start Date: 14/04/2020	

Figure PRAIRIE_AUK_TP162.1
PRAIRIE_AUK_TP162



Figure PRAIRIE_AUK_TP162.2
PRAIRIE_AUK_TP162





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454442.350 N:521100.483		PRAIRIE_AUK_TP162
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.562	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP162.3
PRAIRIE_AUK_TP162 - Spoil





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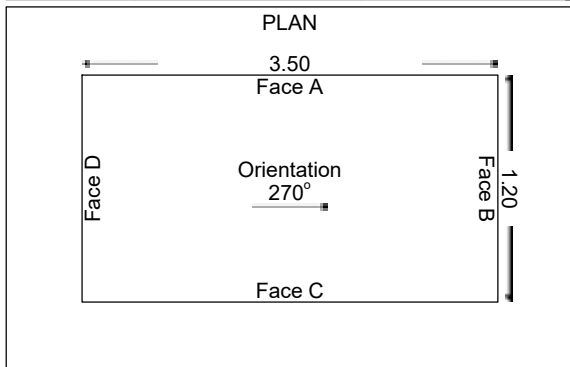
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP163	
Client: South Tees Development Corporation		Location: E:454390.977 N:521100.487	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 9.875	Start Date: 14/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			Water	STRATA		
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)
0.50	J1		9.78	[Cross-hatched pattern]	0.10	MADE GROUND (Brown black sand with many rootlets. Sand is fine to coarse and includes ash).
0.80	B2		8.88		1.00	MADE GROUND (Red brown black very sandy gravel with fragments of wood. Sand is fine to coarse. Gravel is fine to coarse and includes clinker, ash, coke, concrete, red brick and slag. Slag content is 0-25%. Slag is vesicular. Engineer notes 75mm diameter electric cable (broken and loose in pit) found within strata).
1.20	ES3	4.5ppm	8.58	[Horizontal line pattern]	1.30	MADE GROUND (Black gravel and cobbles with fragments of wood. Gravel is fine to coarse subangular and includes concrete, slag and ash. Cobbles are subangular and include slag. Slag content is 50-75%. Slag is vesicular. Strong hydrocarbon/creosote odour).
1.20	PID				1.10	Soft to firm grey brown slightly sandy CLAY.
1.60	J4					at c.1.60m BGL ... clay is of intermediate plasticity.
1.70	B5					
1.90	ES6	2.1ppm				
1.90	PID					
2.00	HSV	54 (36)kPa	7.48		2.40	Complete at 2.40m BGL.



GROUNDWATER
 Saturated strata at 1.10m BGL (slight inflow).

STABILITY
 Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

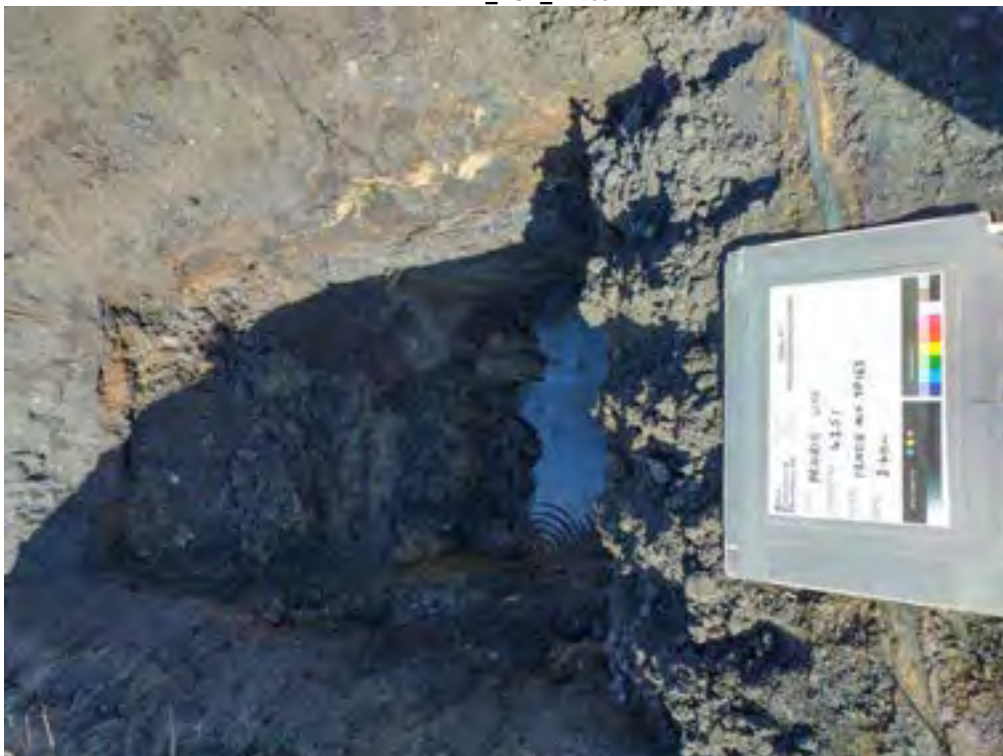
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454390.977 N:521100.487		PRAIRIE_AUK_TP163
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.875	Start Date: 14/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP163.1
PRAIRIE_AUK_TP163



Figure PRAIRIE_AUK_TP163.2
PRAIRIE_AUK_TP163





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation		Location: E:454390.977 N:521100.487	PRAIRIE_AUK_TP163
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.875	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP163.3
PRAIRIE_AUK_TP163 - Spoil





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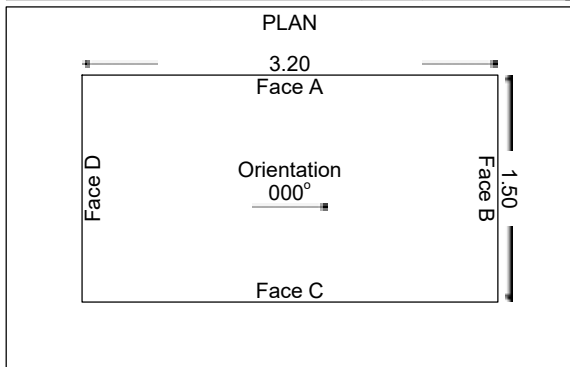
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454338.024 N:521112.664	PRAIRIE_AUK_TP164
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.003	Start Date: 16/04/2020
		Sheet: 1 of 4

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.50	J1		Water	9.60		0.40	MADE GROUND (Brown black red sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, clinker and slag. Slag content is 0-25%. Slag is vesicular).	
0.60	B2			9.20		0.80	MADE GROUND (Black brown grey sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, clinker, concrete and slag. Slag content is 25-50%. Slag is vesicular).	
0.70	ES3	<0.1ppm		8.80		1.20	MADE GROUND (Grey gravel and cobbles. Gravel is fine to coarse subangular and includes slag. Cobbles are angular and include slag. Slag content is 100%. Slag is vesicular).	
0.70	PID							MADE GROUND (Brown red orange slightly gravelly sand. Sand is fine to coarse. Gravel is fine to medium subangular and includes clinker and coke).
1.00	B4							
1.30	ES5	<0.1ppm						
1.30	PID							
1.40	J6							
1.80	B7							
2.60	J8							
2.80	B9					Soft to firm interlaminated brown SILT and CLAY with silty sand lenses.		
3.80	J10					Complete at 3.80m BGL.		



GROUNDWATER
 Saturated strata at 2.40m BGL (Slow inflow).

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454338.024 N:521112.664		PRAIRIE_AUK_TP164
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.003	Start Date: 16/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP164.1
PRAIRIE_AUK_TP164



Figure PRAIRIE_AUK_TP164.2
PRAIRIE_AUK_TP164





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454338.024 N:521112.664		PRAIRIE_AUK_TP164
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.003	Start Date: 16/04/2020	

Figure PRAIRIE_AUK_TP164.3
PRAIRIE_AUK_TP164



Figure PRAIRIE_AUK_TP164.4
PRAIRIE_AUK_TP164 - Spoil





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454338.024 N:521112.664		PRAIRIE_AUK_TP164
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.003	Start Date: 16/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP164.5
PRAIRIE_AUK_TP164 - Spoil





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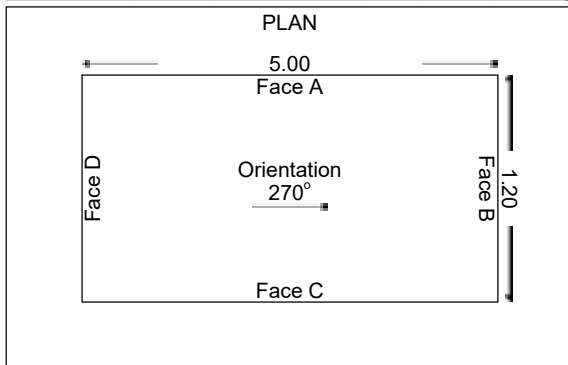
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454460.835 N:521028.046	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.490	Start Date: 15/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.50	J1					MADE GROUND (Red brown yellow slightly clayey/silty sandy gravel with high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red and yellow brick, slag and concrete. Cobbles are angular and include red and yellow brick. Slag content is 0-25%. Slag is vesicular). from c.0.00m BGL ... Face B: Concrete pillars.	
0.80	B2						
1.00	ES3						
1.00	PID	<0.1ppm				(2.60)	
1.50	J4						
1.80	B5						
2.50	J6			10.89		2.60	at c.2.60m BGL ... concrete slab - pit extended 3.00m east.
2.80	B7					(0.70)	MADE GROUND (Red brown yellow sandy gravel with high cobble content and pockets of ash. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red and yellow brick, slag and concrete. Cobbles are angular and include yellow and red brick. Slag content is 0-25%. Slag is vesicular). at c.3.30m BGL ... concrete. Engineer notes evidence of reworked clay but unable to excavate properly to determine due to concrete. <i>Terminated at 3.30m BGL - due to concrete base.</i>
3.30	PID	<0.1ppm		10.19		3.30	
3.30	ES8						



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides moderately unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Brick wall found in Face A - set back under the concrete top layer - unable to measure. Refer to Photographs and sketches for further details.
 (2) Brick wall bisects pit (between Face A and Face C). Mainly demolished during excavation.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454460.835 N:521028.046		PRAIRIE_AUK_TP165
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.490	Start Date: 15/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP165.1
PRAIRIE_AUK_TP165



Figure PRAIRIE_AUK_TP165.2
PRAIRIE_AUK_TP165



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TRIAL PIT RECORD

Status:-

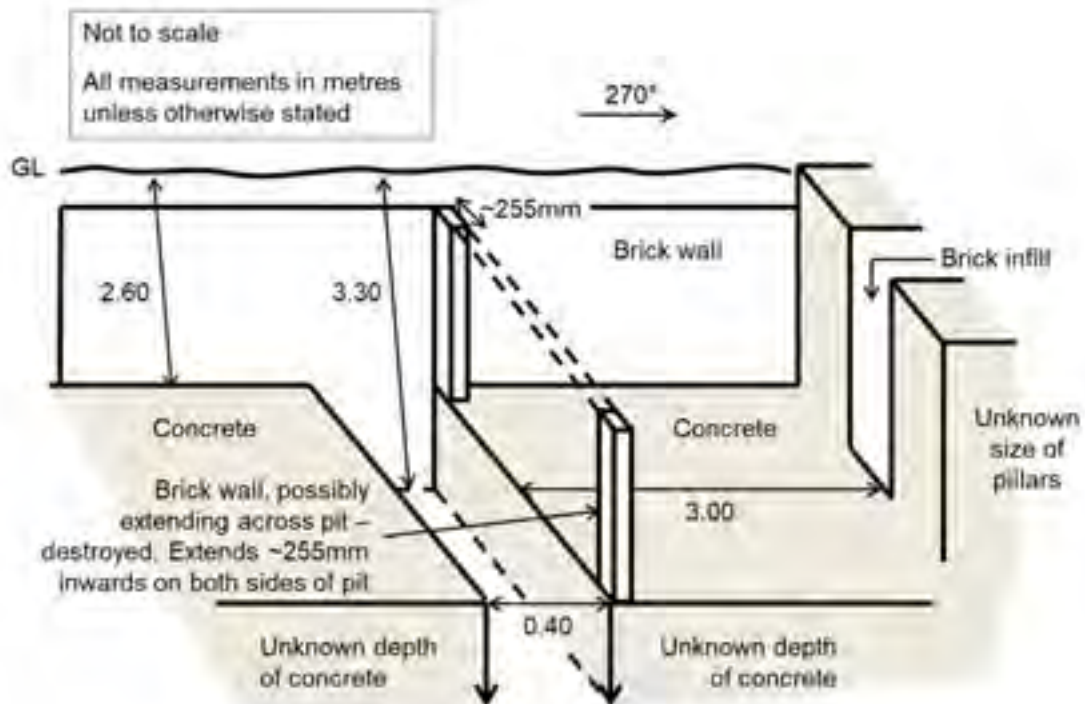
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP165	
Client: South Tees Development Corporation	Location: E:454460.835 N:521028.046		Sheet: 3 of 3
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.490	Start Date: 15/04/2020	

Figure PRAIRIE_AUK_TP165.3
PRAIRIE_AUK_TP165 - Spoil



Figure PRAIRIE_AUK_TP165.4
PRAIRIE_AUK_TP165 Sketch





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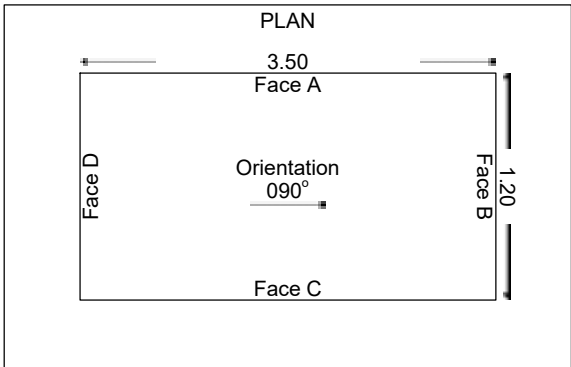
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454598.318 N:520991.331	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 11.088	Start Date: 20/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.35	J1	0.2ppm	Water	10.79		MADE GROUND (Grey sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, concrete, ash and coke. Slag content is 25-50%. Gravel is vesicular grey).
0.40	B2			10.59		MADE GROUND (Black brown sandy gravel. Sand is fine to coarse and includes predominantly ash. Gravel is fine to medium subangular to subrounded and includes ash, clinker and coke).
0.45	ES3			10.29		MADE GROUND (Soft to firm grey mottled black silty clay). Firm slightly laminated brown grey CLAY.
0.50	PID	<0.1ppm	Water			
0.60	J4					
0.70	B5					
1.00	J6					
1.10	PID					
1.20	B7			9.59		Complete at 1.50m BGL.



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454598.318 N:520991.331		PRAIRIE_AUK_TP166
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.088	Start Date: 20/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP166.1
PRAIRIE_AUK_TP166



Figure PRAIRIE_AUK_TP166.2
PRAIRIE_AUK_TP166





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation		Location: E:454598.318 N:520991.331	PRAIRIE_AUK_TP166
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.088	Start Date: 20/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP166.3
PRAIRIE_AUK_TP166 - Spoil





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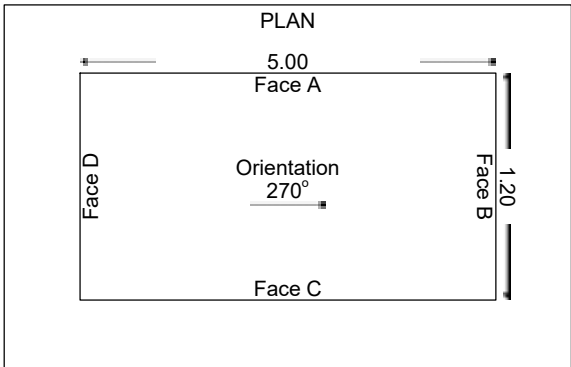
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP167	
Client: South Tees Development Corporation		Location: E:454482.468 N:520987.280	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 15/04/2020
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.50	J1			13.01		MADE GROUND (Red brown yellow sandy gravel with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red and yellow brick, slag and concrete. Cobbles are angular and include red and yellow brick. Slag content is 0-25%).
0.80	B2					MADE GROUND (Grey cobbles and boulders with rebar (10-50mm). Cobbles and boulders are angular and include concrete).
1.50	J3					
1.80	B4					at c.1.80m BGL ... slightly clayey/silty sandy gravel with medium cobble content.
2.40	J5					
2.50	ES6			10.61		at c.2.60m BGL ... concrete slab.
2.50	PID	<0.1ppm				Terminated at 2.60m BGL - due to concrete base.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides moderately unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454482.468 N:520987.280		PRAIRIE_AUK_TP167
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 15/04/2020	

Figure PRAIRIE_AUK_TP167.1
PRAIRIE_AUK_TP167



Figure PRAIRIE_AUK_TP167.2
PRAIRIE_AUK_TP167





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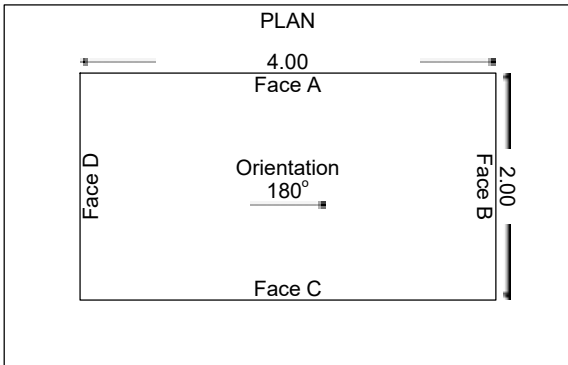
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP168	
Client: South Tees Development Corporation		Location: E:454395.577 N:521002.419	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.121	Start Date: 09/04/2020
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.05	ES1	<0.1ppm	Water	10.02		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash). MADE GROUND (Brown black red sandy gravel with fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, clinker and slag. Slag content is 0-25%. Slag is vesicular) MADE GROUND (Soft to firm grey mottled black silty clay with low cobble content. Cobbles are angular and include red brick). Firm to stiff brown red grey slightly sandy CLAY with occasional sand lenses.	
0.05	PID			9.72		0.40		
0.20	J2			(0.70)				
0.30	B3							
0.60	J4			(1.10)				
0.80	B5	9.02	1.10					
1.40	J6	96 (42)kPa	Water		(1.00)	1.60	Complete at 2.10m BGL.	
1.60	B7					8.02		2.10
2.00	HSV							



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454395.577 N:521002.419		PRAIRIE_AUK_TP168
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.121	Start Date: 09/04/2020	Sheet: 2 of 2

Figure PRAIRIE_AUK_TP168.1
PRAIRIE_AUK_TP168



Figure PRAIRIE_AUK_TP168.2
PRAIRIE_AUK_TP168 - Spoil





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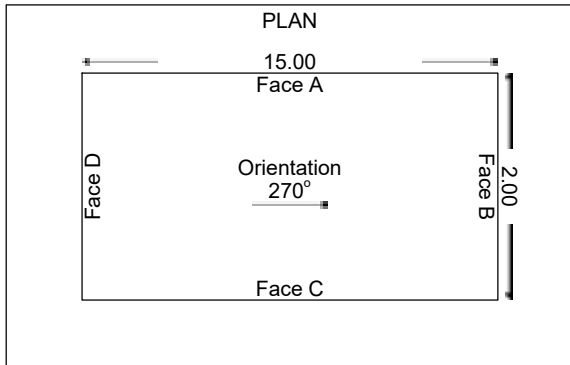
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454473.400 N:520964.531	PRAIRIE_AUK_TP169
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.930	Start Date: 15/04/2020
		Sheet: 1 of 4

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1			12.23		0.70	MADE GROUND (Red brown yellow sandy gravel with high cobble content and many rootlets. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red and yellow brick, slag and concrete. Cobbles are angular and includes red and yellow brick. Slag content is 0-25%. Slag is vesicular grey). at c.0.70m BGL ... concrete slab (coke oven slab). Pit extended 3.00m east.
0.80	B2			11.73		1.20	
1.50	ES3			10.73		2.20	MADE GROUND (Red brown yellow clayey very sandy gravel with high cobble content and pockets of ash. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red and yellow brick, slag and concrete. Cobbles are angular and include red and yellow brick. Slag content is 0-25%. Slag is vesicular grey. Engineer also notes iron plates, 50mm rebar, cast iron metal objects). at c.1.20m BGL ... concrete. Flat concrete structure with 3 No. 460mm diameter cast iron pipes cast into the structure running N-S. Pipes are hollow (empty) and are voided beneath to a depth of 3.80m BGL. Pit extended 3.00m east. MADE GROUND (Red brown yellow sandy gravel with high cobble content and pockets of ash. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red and yellow brick, slag and concrete. Cobbles are angular and include yellow and red brick. Slag content is 0-25%. Slag is vesicular grey. Engineer also notes iron plates, 50mm rebar, cast iron metal girders and other unknown metal objects). at c.2.20m BGL ... concrete. Flat concrete structure with railway rails at extremities. Pit extended 9.00m east. <i>Terminated at 2.20m BGL - due to concrete base.</i>



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides moderately unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454473.400 N:520964.531		PRAIRIE_AUK_TP169
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.930	Start Date: 15/04/2020	

Figure PRAIRIE_AUK_TP169.1
PRAIRIE_AUK_TP169



Figure PRAIRIE_AUK_TP169.2
PRAIRIE_AUK_TP169





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454473.400 N:520964.531		PRAIRIE_AUK_TP169
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.930	Start Date: 15/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP169.3
PRAIRIE_AUK_TP169



Figure PRAIRIE_AUK_TP169.4
PRAIRIE_AUK_TP169





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454473.400 N:520964.531		PRAIRIE_AUK_TP169
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.930	Start Date: 15/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP169.5
PRAIRIE_AUK_TP169 - Spoil





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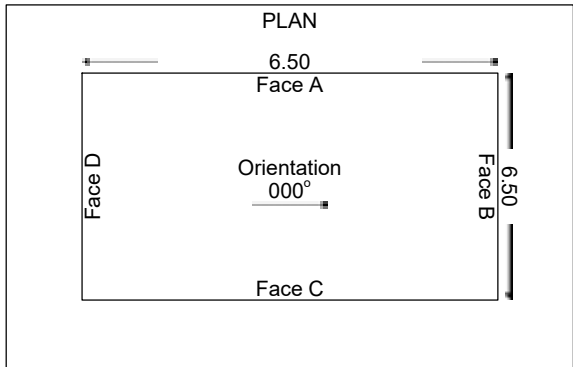
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454583.361 N:521042.047	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.409	Start Date: 21/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.30	J1			10.21		0.20	MADE GROUND (Grey sandy gravel with many rootlets. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, concrete, ash, coke and red brick. Slag content is 25-50%. Slag is vesicular grey green).
0.40	B2					(0.50)	
0.50	ES3	<0.1ppm		9.71		0.70	
0.50	PID			9.61		0.80	MADE GROUND (Brown black grey sandy gravel with high cobble content. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker, coke, red brick and slag. Cobbles are angular and include brick and concrete. Slag content is 25-50%. Slag is vesicular grey green).
1.00	ES4	17.5ppm			(0.50)		
1.00	PID			9.11		1.30	MADE GROUND (Concrete and cast iron cover. Pit extended to excavate down eastern edge of slab).
1.50	J5	1.1ppm			(0.50)		
1.50	PID			8.61		1.80	MADE GROUND (Firm grey mottled black silty slightly sandy clay with yellow brown sand lenses. Sand is fine to medium. Slight hydrocarbon odour). Firm to stiff (friable) laminated red brown CLAY with brown silty fine to medium sand lenses. <i>Complete at 1.80m BGL.</i>
1.80	B6						



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454583.361 N:521042.047		PRAIRIE_AUK_TP170
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.409	Start Date: 21/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP170.1
PRAIRIE_AUK_TP170



Figure PRAIRIE_AUK_TP170.2
PRAIRIE_AUK_TP170





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation		Location: E:454583.361 N:521042.047	PRAIRIE_AUK_TP170
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.409	Start Date: 21/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP170.3
PRAIRIE_AUK_TP170 - Spoil





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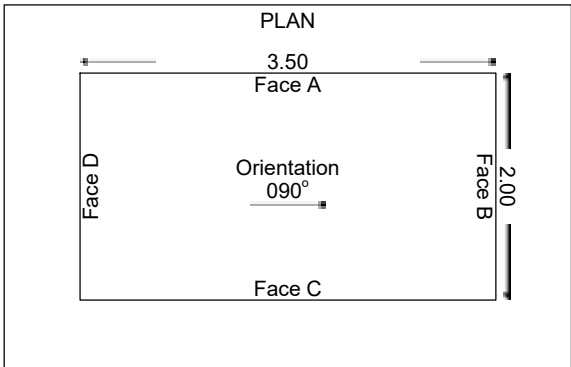
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454564.178 N:520951.248	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 11.593	Start Date: 20/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.50	PID	1.4ppm	Water	11.09		MADE GROUND (Grey sandy gravel with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and include slag, concrete and coke. Gravel slag content is 25-50%. Cobbles are angular and includes slag. Cobble slag content is 75-100%. Slag is vesicular grey green).
0.60	J1					
0.70	B2					
0.75	ES3					
1.00	PID	1.3ppm		10.59		MADE GROUND (Brown black sandy gravel. Sand is fine to coarse and includes predominantly ash. Gravel is fine to medium subangular to subrounded and includes ash, clinker and coke).
1.10	J4					
1.20	B5					
1.30	ES6					
1.50	J7	<0.1ppm	10.29		MADE GROUND (Soft to firm grey mottled silty clay). Firm laminated brown CLAY with yellow brown fine to coarse sand lenses.	
1.50	PID					
1.80	B8		9.49		Complete at 2.10m BGL.	



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454564.178 N:520951.248		PRAIRIE_AUK_TP171
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.593	Start Date: 20/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP171.1
PRAIRIE_AUK_TP171



Figure PRAIRIE_AUK_TP171.2
PRAIRIE_AUK_TP171





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation		Location: E:454564.178 N:520951.248	PRAIRIE_AUK_TP171
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.593	Start Date: 20/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP171.3
PRAIRIE_AUK_TP171 - Spoil





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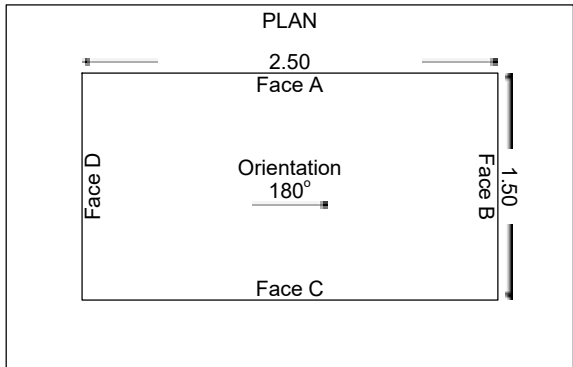
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454508.970 N:520896.605	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.862	Start Date: 06/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.40	J1	<0.1ppm		12.66		0.20	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
0.60	B2			11.90		MADE GROUND (Brown sandy gravel with high cobble content with fragments of metal, wire, plastic and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, brick and concrete. Cobbles are subangular and include red and yellow brick, concrete and slag. Slag content is 25-50%. Slag is vesicular). at c.0.60m BGL ... cobbles.	
0.80	ES3						
0.80	PID						
1.40	J4						
1.60	B5	10.76	2.10	at c.2.10m BGL ... engineer notes possible service as TP was near 'Industrial water pipes'. Concrete obstruction was centered in the pit and ran E-W - unknown dimensions due to possible service. <i>Terminated at 2.10m BGL - due to instability and concrete obstruction.</i>			



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454508.970 N:520896.605		PRAIRIE_AUK_TP172
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.862	Start Date: 06/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP172.1
PRAIRIE_AUK_TP172



Figure PRAIRIE_AUK_TP172.2
PRAIRIE_AUK_TP172





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454508.970 N:520896.605		PRAIRIE_AUK_TP172
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.862	Start Date: 06/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP172.3
PRAIRIE_AUK_TP172 - Spoil





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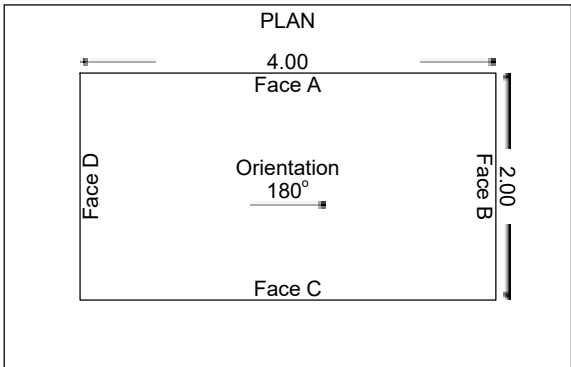
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454451.197 N:520922.212	PRAIRIE_AUK_TP173
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.407	Start Date: 09/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				11.31		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
				11.01		0.40	
0.60	J1	<0.1ppm					MADE GROUND (Grey gravel. Gravel is medium to coarse subangular to subrounded and includes slag. Slag content is 75-100%. Slag is vesicular). Soft to firm brown grey thinly and thickly interbedded SILT and CLAY with occasional sand lenses. at c.0.80m BGL ... very sandy gravel with clay pockets.
0.80	B2						
0.90	ES3						
0.90	PID						
1.40	J4						
1.50	HSV*					(2.30)	
1.80	B5						
2.40	J6						
2.50	HSV*						
				8.71		2.70	Complete at 2.70m BGL.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Material too friable/sandy for HSV testing.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454451.197 N:520922.212		PRAIRIE_AUK_TP173
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.407	Start Date: 09/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP173.1
PRAIRIE_AUK_TP173



Figure PRAIRIE_AUK_TP173.2
PRAIRIE_AUK_TP173





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454451.197 N:520922.212		PRAIRIE_AUK_TP173
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.407	Start Date: 09/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP173.3
PRAIRIE_AUK_TP173 - Spoil





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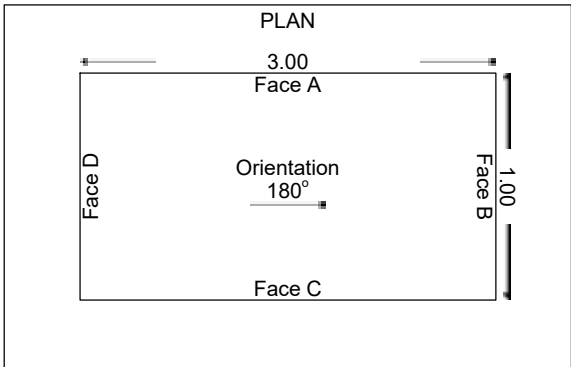
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		PRAIRIE_AUK_TP174	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Location: E:454464.960 N:520888.025	Sheet: 1 of 3
		Ground Level (m): 11.852	Start Date: 08/04/2020

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.40	J1			11.75		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).	
0.60	B2					(1.00)	MADE GROUND (Brown grey black sandy gravel and cobbles with rebar noted (20mm) with fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse of clinker, ash, coal, concrete, red brick and slag. Slag content is 0-25%. Slag is vesicular grey).	
0.80	ES3	<0.1ppm			10.75		1.10	Soft (friable) grey brown mottled clayey SILT with CLAY interbeds and yellow sand lenses. Sand is fine to coarse. at c.1.20m BGL ... clay is of low to intermediate plasticity.
0.80	PID							
1.20	J4							
1.40	B5							
1.60	ES6	<0.1ppm					(1.50)	
1.60	PID							
					9.25		2.60	Complete at 2.60m BGL.



GROUNDWATER
Groundwater seepage at 2.00m BGL (slight inflow).

STABILITY
Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Engineer notes pit moved west by 1m due to old concrete (30mm rebar) foundation uncovered with abandoned electric cables running N-S, adjacent and parallel to foundation.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454464.960 N:520888.025		PRAIRIE_AUK_TP174
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.852	Start Date: 08/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP174.1
PRAIRIE_AUK_TP174



Figure PRAIRIE_AUK_TP174.2
PRAIRIE_AUK_TP174





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454464.960 N:520888.025		PRAIRIE_AUK_TP174
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.852	Start Date: 08/04/2020	

Figure PRAIRIE_AUK_TP174.3
PRAIRIE_AUK_TP174 - Spoil





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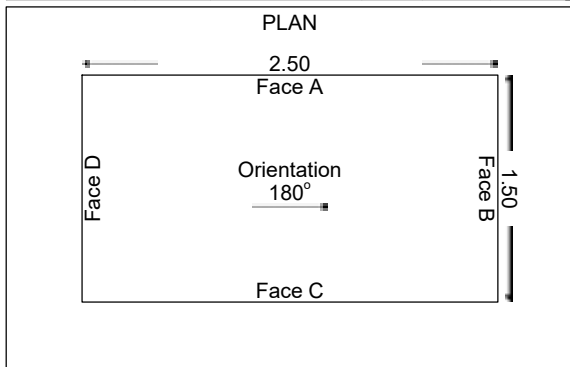
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454511.473 N:520862.590	PRAIRIE_AUK_TP175
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.085	Start Date: 06/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.40	J1			11.79		0.30	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).	
0.60	B2					(0.60)	MADE GROUND (Brown clayey sandy cobbles. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, brick and concrete. Cobbles are subangular and include brick and concrete. Slag content is 25-50%. Slag is vesicular. Strong Hydrocarbon odour).	
0.80	ES3	101.1ppm		11.19		0.90	at c.0.60m BGL ... loose broken piece of 6" pipe containing black sandy gel like liquid - possibly partially solidified tar/oil.	
0.80	PID							
1.40	J4							Firm brown sandy CLAY with silt lenses. Sand is fine to medium.
1.50	HSV	49 (20)kPa						Engineer notes grades to silt with clay interbeds. Hydrocarbon odour.
1.60	B5							
1.80	ES6							
1.80	PID	5.3ppm						
2.50	HSV*							
2.60	J7				(3.60)			
2.80	B8							
3.50	HSV*							
3.60	J9							
				7.59		4.50	Complete at 4.50m BGL.	



GROUNDWATER
 Perched water at 0.90m BGL - slight inflow.

STABILITY
 Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454511.473 N:520862.590		PRAIRIE_AUK_TP175
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.085	Start Date: 06/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP175.1
PRAIRIE_AUK_TP175



Figure PRAIRIE_AUK_TP175.2
PRAIRIE_AUK_TP175





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454511.473 N:520862.590		PRAIRIE_AUK_TP175
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.085	Start Date: 06/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP175.3
PRAIRIE_AUK_TP175 - Spoil





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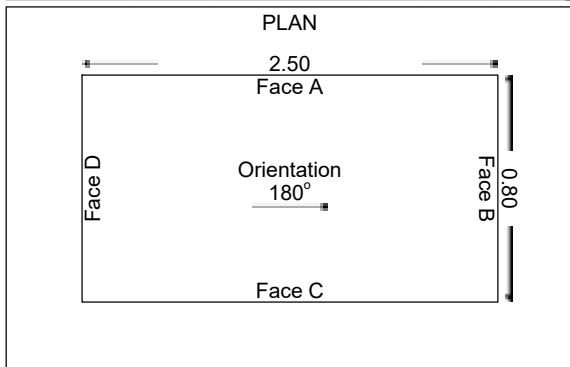
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454471.902 N:520790.947	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.168	Start Date: 07/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.40 0.50	J1 B2			11.87	[Cross-hatch pattern]	MADE GROUND (Grey gravel. Gravel is fine to coarse subangular to subrounded and includes slag. Slag content is 75-100%. Slag is vesicular).
0.90 0.90	ES3 PID	1.1ppm		11.17	[Cross-hatch pattern]	MADE GROUND (Red, brown and black clayey sandy gravel with fragments of wood. Sand is fine to coarse. Gravel is fine to coarse of clinker, ash, coal, concrete, red brick and slag. Slag content is 0-25%. Slag is vesicular grey). (Engineer notes 150mm cast iron pipe broken and loose in pit).
1.50 1.50	HSV J4	54 (36)kPa		10.17	[X pattern]	Soft to firm grey brown mottled slightly sandy silty CLAY with traces of organic debris.
2.00	B5					Complete at 2.00m BGL.



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454471.902 N:520790.947		PRAIRIE_AUK_TP176
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.168	Start Date: 07/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP176.1
PRAIRIE_AUK_TP176



Figure PRAIRIE_AUK_TP176.2
PRAIRIE_AUK_TP176





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454471.902 N:520790.947		PRAIRIE_AUK_TP176
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.168	Start Date: 07/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP176.3
PRAIRIE_AUK_TP176 - Spoil





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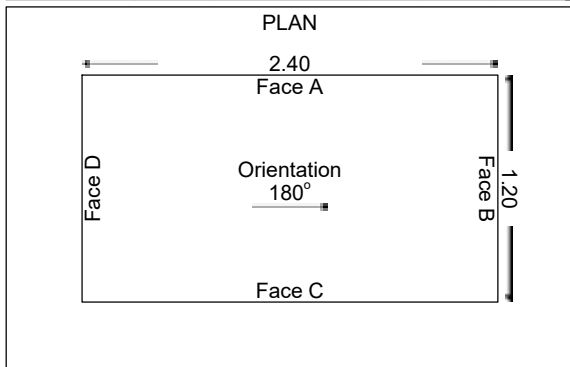
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454522.291 N:520695.237	PRAIRIE_AUK_TP177
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.982	Start Date: 07/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.50	J1	1.1ppm		12.88		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).	
0.60	ES2			12.58		0.40		MADE GROUND (Grey gravel. Gravel is coarse and includes slag. Slag content is 75-100%. Slag is vesicular (used as ballast)).
0.70	PID			(0.40)		MADE GROUND (Red brown black sandy gravel. Sand is fine to coarse. Gravel is fine to medium and includes clinker, ash, coal, concrete and slag. Slag content is 0-25%).		
0.90	B3			12.18		0.80		MADE GROUND (Soft to firm brown grey mottled dark grey slightly sandy clay. Sand is fine to medium). at c.0.90m BGL ... clay is of high plasticity.
1.00	J4			11.78		1.20		MADE GROUND (Grey gravel with cobbles and boulders. Gravel is fine to coarse subangular and includes slag. Cobbles are angular to subangular and include slag. Boulders are subangular to subrounded of slag. Slag content is 100%. Slag is vesicular).
1.40	J6	<0.1ppm				1.10	Terminated at 2.30m BGL - due to instability and proximity to services.	
1.80	B7			10.68	2.30			
1.90	ES8							
1.90	PID							



GROUNDWATER
 Saturated strata at 1.40m BGL (heavy inflow).

STABILITY
 Pit sides unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454522.291 N:520695.237		PRAIRIE_AUK_TP177
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.982	Start Date: 07/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP177.1
PRAIRIE_AUK_TP177



Figure PRAIRIE_AUK_TP177.2
PRAIRIE_AUK_TP177





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454522.291 N:520695.237		PRAIRIE_AUK_TP177
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.982	Start Date: 07/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP177.3
PRAIRIE_AUK_TP177 - Spoil





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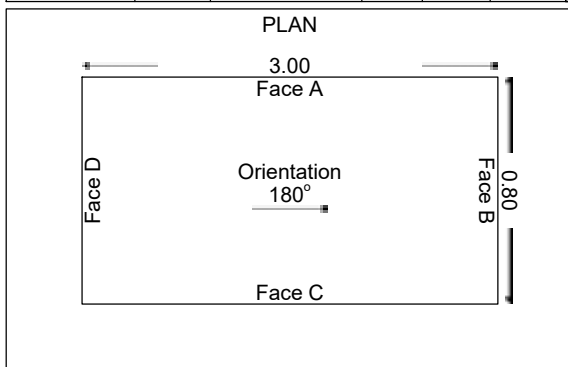
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454541.891 N:520667.710	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.162	Start Date: 06/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.40	J1			13.06		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).	
0.60	B2			12.86		0.30		MADE GROUND (Grey gravel. Gravel is coarse and includes slag (used as ballast). Slag content is 75-100%. Slag is vesicular).
0.80	ES3	<0.1ppm				(1.20)	MADE GROUND (Red brown black clayey very sandy gravel. Sand is fine to coarse. Gravel is fine to medium and includes clinker, ash, coal and concrete).	
0.80	PID					11.66	1.50	
1.40	J4					(1.70)	Firm brown grey mottled dark grey slightly sandy CLAY. Sand is fine to medium. at c.1.60m BGL ... clay is of very high plasticity.	
1.60	B5							
1.80	HSV	53 (26)kPa				9.96		3.20
2.80	HSV	52 (26)kPa				(1.30)	Stiff friable red brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular and includes sandstone and mudstone.	
3.50	HSV*		8.66			4.50		
							Complete at 4.50m BGL.	



GROUNDWATER
Perched water at 1.50m BGL (slight inflow).

STABILITY
Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454541.891 N:520667.710		PRAIRIE_AUK_TP178
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.162	Start Date: 06/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP178.1
PRAIRIE_AUK_TP178



Figure PRAIRIE_AUK_TP178.2
PRAIRIE_AUK_TP178





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation		Location: E:454541.891 N:520667.710	PRAIRIE_AUK_TP178
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.162	Start Date: 06/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP178.3
PRAIRIE_AUK_TP178 - Spoil





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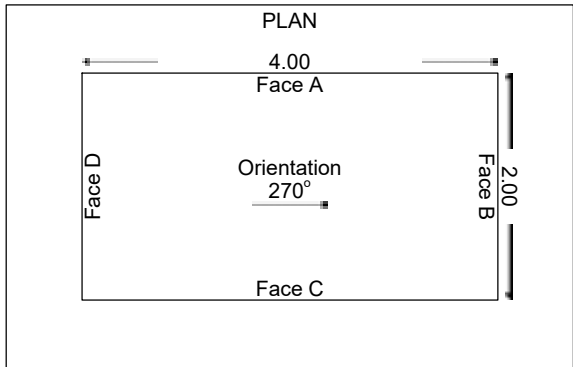
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP179	
Client: South Tees Development Corporation		Location: E:454418.321 N:521016.092	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.823	Start Date: 09/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			Water	STRATA			
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	Description
0.20	J1		10.72	[Cross-hatched pattern]	0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).	
0.40	B2		10.22		0.60	MADE GROUND (Brown clayey/silty very gravelly sand with medium cobble content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes red brick, concrete, ash, clinker and slag. Slag content is 0-25%).	
1.00	B3		9.52		1.30	MADE GROUND (Grey cobbles and boulders. Cobbles are subangular and include slag. Boulders are subangular and include slag. Slag is vesicular).	
1.40	ES4	3.8ppm	9.32		1.50	MADE GROUND (Black sandy gravel with fragments of metal. Sand is fine to coarse. Gravel is fine to coarse subangular and include red brick, clinker, ash, concrete and slag. Slag content is 0-25%. Strong hydrocarbon/creosote odour and sheen noted).	
1.40	PID						
1.70	J5		8.82	[Cross-hatched pattern]	2.00	MADE GROUND (Black sandy gravel with fragments of metal. Sand is fine to coarse. Gravel is fine to coarse subangular and include red brick, clinker, ash, concrete and slag. Slag content is 0-25%. Strong hydrocarbon/creosote odour and sheen noted).	
1.80	B6						
2.00	PID	2.1ppm					
2.00	ES7						
2.00	HSV*					Soft to firm brown slightly organic grey mottled black thinly and thickly interbedded SILT and CLAY with occasional sand lenses. Slight hydrocarbon/creosote odour. at c.1.70m BGL ... clay is of high plasticity. <i>Complete at 2.00m BGL.</i>	



GROUNDWATER
 Saturated strata at 1.20m BGL (heavy inflow).

STABILITY
 Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454418.321 N:521016.092		PRAIRIE_AUK_TP179
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.823	Start Date: 09/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP179.1
PRAIRIE_AUK_TP179



Figure PRAIRIE_AUK_TP179.2
PRAIRIE_AUK_TP179





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454418.321 N:521016.092		PRAIRIE_AUK_TP179
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.823	Start Date: 09/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP179.3
PRAIRIE_AUK_TP179 - Spoil





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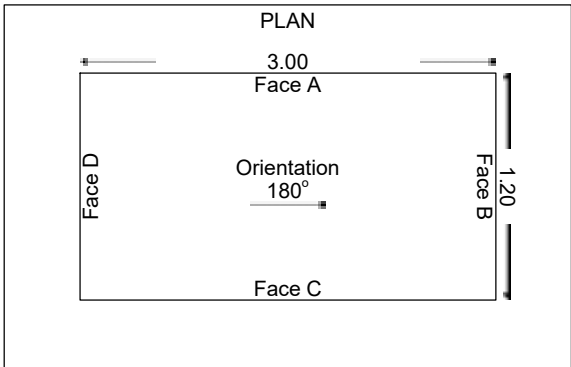
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP180	
Client: South Tees Development Corporation		Location: E:454435.374 N:521058.356	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.569	Start Date: 14/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.10 0.20 0.30 0.30	J1 B2 ES3 PID	<0.1ppm		12.17		0.40	MADE GROUND (Red brown black sandy gravel. Sand is fine to coarse. Gravel is fine to coarse and includes clinker, ash, concrete and slag. Slag content is 0-25%) at c.0.40m BGL ... concrete slab. <i>Terminated at 0.40m BGL - due to concrete base.</i>



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454435.374 N:521058.356		PRAIRIE_AUK_TP180
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.569	Start Date: 14/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP180.1
PRAIRIE_AUK_TP180



Figure PRAIRIE_AUK_TP180.2
PRAIRIE_AUK_TP180





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454435.374 N:521058.356		PRAIRIE_AUK_TP180
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.569	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP180.3
PRAIRIE_AUK_TP180 - Spoil





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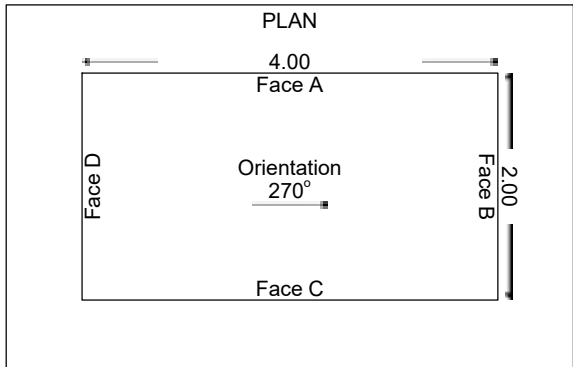
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP181	
Client: South Tees Development Corporation		Location: E:454402.534 N:521065.535	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.158	Start Date: 09/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.30	J1			10.06		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
0.50	B2			(0.70)		MADE GROUND (Brown very sandy gravel. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes red brick, concrete, ash, clinker and slag. Slag content is 0-25%).	
0.60	ES3	<0.1ppm		9.36		0.80	MADE GROUND (Grey cobbles and boulders. Cobbles are subangular and includes slag. Boulders are subangular and includes slag. Slag content is 100%. Slag is vesicular green grey).
0.60	PID			8.46		1.70	
1.10	B4			8.46		1.70	Firm becoming stiff brown red grey CLAY with occasional sand lenses and interlaminated silt and clay laminae. at c.1.80m BGL ... clay is of intermediate plasticity.
1.80	J5	93 (42)kPa				(1.00)	
2.00	HSV						
2.00	B6						
2.50	ES7	<0.1ppm		7.46		2.70	Complete at 2.70m BGL.
2.50	PID						



GROUNDWATER
Saturated strata at 1.70m BGL (slight inflow).

STABILITY
Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454402.534 N:521065.535		PRAIRIE_AUK_TP181
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.158	Start Date: 09/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP181.1
PRAIRIE_AUK_TP181



Figure PRAIRIE_AUK_TP181.2
PRAIRIE_AUK_TP181





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454402.534 N:521065.535		PRAIRIE_AUK_TP181
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.158	Start Date: 09/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP181.3
PRAIRIE_AUK_TP181 - Spoil





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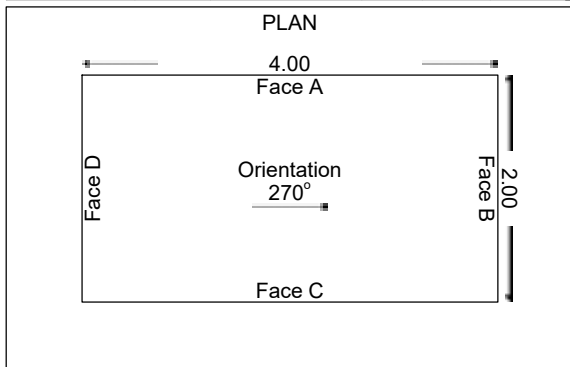
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454443.617 N:520943.326	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 11.335	Start Date: 09/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.30	J1			11.24		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
0.60	B2			10.54		0.80	MADE GROUND (Brown grey black clayey very sandy gravel and cobbles with fragments of wood, wood and rebar (10mm). Sand is fine to coarse. Gravel is fine to coarse and includes clinker, ash, coal, concrete, red brick and slag. Slag content is <0-25%. Slag is vesicular grey).
0.90 0.90	ES3 PID	6.2ppm		10.24	1.10	MADE GROUND (Black brown sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes brick, concrete, ash, clinker and slag. Slag content is 25-50%. Slag is partially vesicular green grey. Strong hydrocarbon/creosote odour and sheen noted).	
1.30	J4				(1.60)	Soft to firm brown grey thinly and thickly interbedded SILT and CLAY with occasional sand lenses. at c.1.30m BGL ... clay is of intermediate plasticity.	
1.50	HSV*						
1.60	B5						
2.00	ES6						
2.50	HSV*		8.64	2.70	Complete at 2.70m BGL.		



GROUNDWATER
Saturated strata at 1.10m BGL (slight inflow).

STABILITY
Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Material too friable/sandy for HSV testing.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454443.617 N:520943.326		PRAIRIE_AUK_TP182
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.335	Start Date: 09/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP182.1
PRAIRIE_AUK_TP182



Figure PRAIRIE_AUK_TP182.2
PRAIRIE_AUK_TP182





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454443.617 N:520943.326		PRAIRIE_AUK_TP182
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.335	Start Date: 09/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP182.3
PRAIRIE_AUK_TP182 - Spoil





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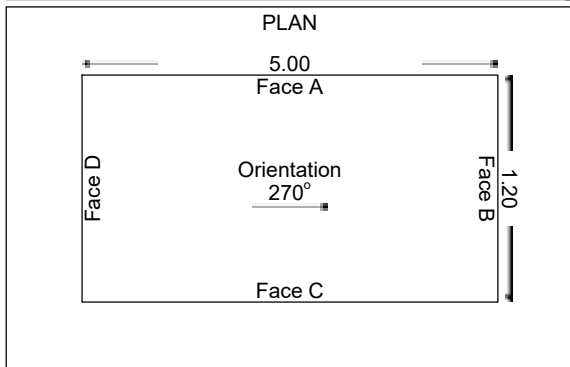
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP183	
Client: South Tees Development Corporation		Location: E:454449.050 N:521042.255	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.301	Start Date: 14/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.50	J1			13.20		MADE GROUND (Brown sand with many rootlets. Sand is fine to coarse and includes ash).	
0.80	B2			(0.90)		MADE GROUND (Black brown sandy gravel with high cobble content and fragments of wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes brick, slag, ash and clinker. Gravel slag content is 50-75%. Cobbles are angular of slag and red brick. Cobble slag content is 0-25%).	
				12.30		(1.00)	MADE GROUND (Concrete with 10-20mm rebar. Pit extended to continue excavation).
				11.70		(0.60)	MADE GROUND (Infilled void: red brown cobbles and boulders with fragments of metal. Cobbles are angular and include yellow and red brick. Boulders are angular and include yellow and red brick).
				9.20		(2.50)	at c.4.10m BGL ... concrete slab. Terminated at 4.10m BGL - due to concrete slab.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Pit extended east by 3.00m to expose a backfilled void beneath concrete between c.1.60-4.10m BGL.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454449.050 N:521042.255		PRAIRIE_AUK_TP183
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.301	Start Date: 14/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP183.1
PRAIRIE_AUK_TP183



Figure PRAIRIE_AUK_TP183.2
PRAIRIE_AUK_TP183





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454449.050 N:521042.255		PRAIRIE_AUK_TP183
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.301	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP183.3
PRAIRIE_AUK_TP183 - Spoil





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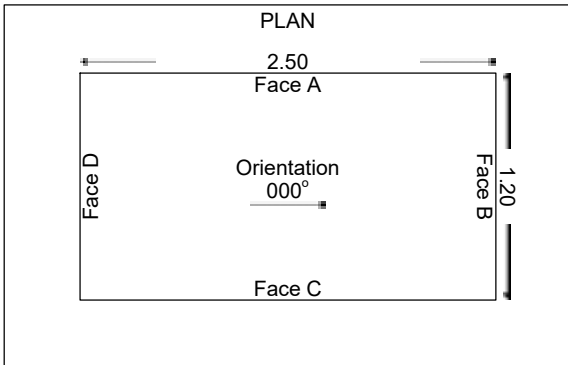
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454469.256 N:520988.871	PRAIRIE_AUK_TP184
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.090	Start Date: 16/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.20 0.30 0.30	J1 ES2 PID	<0.1ppm		12.69		0.40	MADE GROUND (Brown black red sandy gravel with fragments of metal and wood. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, clinker and slag. Slag content is 0-25%. Slag is vesicular grey)
0.80	B3			11.99		1.10	MADE GROUND (Brown red sandy gravel with high cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red and yellow brick. Cobbles are angular and include red and yellow brick). at c.1.10m BGL ... concrete with possible old rawl bolt holes (steel erecting points). Engineer notes that when probed the holes indicate a void below concrete to approximately 4.30m BGL. <i>Terminated at 1.10m BGL - due to concrete obstruction.</i>



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454469.256 N:520988.871		PRAIRIE_AUK_TP184
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.090	Start Date: 16/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP184.1
PRAIRIE_AUK_TP184



Figure PRAIRIE_AUK_TP184.2
PRAIRIE_AUK_TP184





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454469.256 N:520988.871		PRAIRIE_AUK_TP184
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.090	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP184.3
PRAIRIE_AUK_TP184 - Spoil





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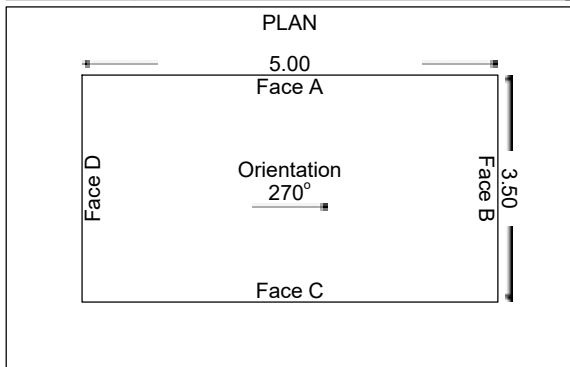
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP185	
Client: South Tees Development Corporation		Location: E:454481.915 N:520916.920	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.725	Start Date: 08/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				12.53		0.20	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
						(1.80)	MADE GROUND (Red and yellow cobbles and boulders. Cobbles are angular and include red and yellow brick and coke. Boulders are angular and include red and yellow brick).
				10.73		2.00	
						(0.40)	MADE GROUND (Concrete foundation. Engineer notes slab runs north-south adjacent to concrete vertical wall).
				10.33		2.40	at c.2.00-2.40m BGL ... pit extended east to uncover edge of foundation (5m long). Foundation broken through to reveal underlying clay stratum.
3.00	J1					(1.60)	MADE GROUND (Soft to firm brown slightly sandy slightly gravelly clay with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red brick and coke. Cobbles are angular and include red brick).
3.50	B2						
4.10	J3			8.73		4.00	Friable interbedded brown SILT and laminated CLAY.
4.20	B4					(0.50)	
4.30	ES5			8.23		4.50	Complete at 4.50m BGL.
4.30	PID	<0.1ppm					



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides unstable between 0.00-2.00m BGL. Stable between 2.00-4.50m BGL.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454481.915 N:520916.920		PRAIRIE_AUK_TP185
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.725	Start Date: 08/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP185.1
PRAIRIE_AUK_TP185



Figure PRAIRIE_AUK_TP185.2
PRAIRIE_AUK_TP185





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TRIAL PIT RECORD

Status:-

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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454481.915 N:520916.920		PRAIRIE_AUK_TP185
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.725	Start Date: 08/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP185.3
PRAIRIE_AUK_TP185 - Spoil





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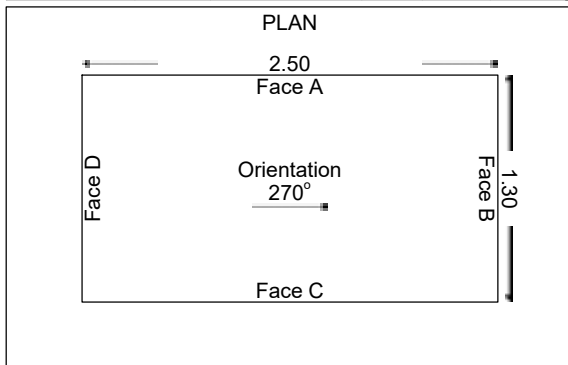
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP186	
Client: South Tees Development Corporation		Location: E:454477.645 N:520853.859	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.310	Start Date: 07/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.35	J1	5.1ppm		12.01		0.30	MADE GROUND (Brown slightly clayey sand with many rootlets. Sand is predominantly ash).
0.40	B2			11.71		0.60	MADE GROUND (Red brown black sandy gravel with fragments of wood and rebar (30mm). Sand is fine to coarse. Gravel is fine to coarse and includes clinker, concrete, red brick and slag. Slag content is 0-25%. Slag is vesicular grey and green).
0.50	ES3			1.20		1.80	MADE GROUND (Grey cobbles and boulders. Cobbles are angular and includes red brick and concrete. Boulders are angular and include concrete with 10-20mm rebar).
0.50	PID						at c. 1.80m BGL ... concrete base/slab.
1.00	EW4			Terminated at 1.80m BGL - due to concrete slab.			



GROUNDWATER
Saturated strata at 1.00m BGL (moderate inflow) - water exists in what is thought to be a backfilled basement/cellar.

STABILITY
Pit sides unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454477.645 N:520853.859		PRAIRIE_AUK_TP186
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.310	Start Date: 07/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP186.1
PRAIRIE_AUK_TP186



Figure PRAIRIE_AUK_TP186.2
PRAIRIE_AUK_TP186





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TRIAL PIT RECORD

Status:-

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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454477.645 N:520853.859		PRAIRIE_AUK_TP186
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.310	Start Date: 07/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP186.3
PRAIRIE_AUK_TP186 - Spoil





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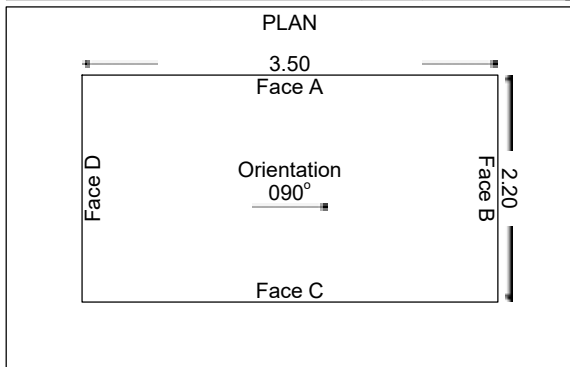
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP187
Client: South Tees Development Corporation	Location: E:454559.634 N:520971.721	
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.120	Start Date: 20/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1	1.3ppm		10.77		0.35	MADE GROUND (Grey sandy gravel. Sand is fine to coarse subangular and includes slag, concrete, ash and coke. Slag content is 25-50%. Slag is vesicular grey).
0.50	PID			10.32		(0.45)	MADE GROUND (Brown black sandy gravel. Sand is fine to coarse and includes predominantly ash. Gravel is fine to medium subangular to subrounded and includes ash, clinker and coke).
0.60	B2	0.2ppm		9.92		1.20	MADE GROUND (Soft to firm grey mottled black silty clay).
0.70	ES3			(0.40)		Firm laminated brown CLAY with yellow brown fine to coarse sand lenses.	
1.00	J4			9.32		(0.60)	
1.10	PID			1.80		Complete at 1.80m BGL.	
1.30	B5						
1.50	J6						
1.80	B7						
	ES8						



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454559.634 N:520971.721		PRAIRIE_AUK_TP187
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.120	Start Date: 20/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP187.1
PRAIRIE_AUK_TP187



Figure PRAIRIE_AUK_TP187.2
PRAIRIE_AUK_TP187





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TRIAL PIT RECORD

Status:-

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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454559.634 N:520971.721		PRAIRIE_AUK_TP187
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.120	Start Date: 20/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP187.3
PRAIRIE_AUK_TP187 - Spoil





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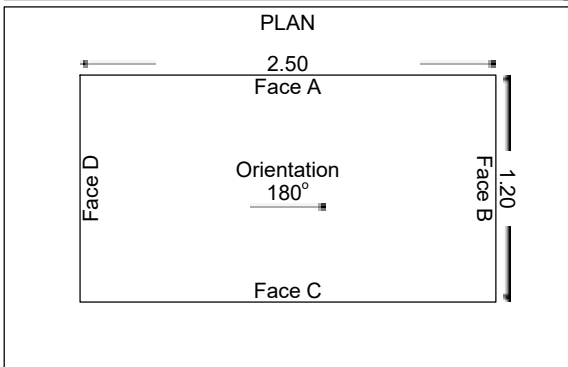
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454468.960 N:520911.169	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.622	Start Date: 08/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.40	J1			12.52		0.10	
0.60	B2						MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash). at c.0.00-2.10m BGL ... eastern pit wall is concrete. Unable to obtain thickness of wall due to instability of pit edges.
1.00	ES3	1.2ppm					2.00
1.00	PID						MADE GROUND (Brown grey black clayey/silty sandy gravel and cobbles with fragments of wood and metal (girders/RSJ). Sand is fine to coarse. Gravel is fine to coarse and includes clinker, ash, coal, concrete, red brick and slag. Slag content is 0-25%. Slag is vesicular grey).
1.40	J4						
1.60	B5			10.52	2.10	at c.2.10m BGL .. concrete obstruction (possible basement). <i>Terminated at 2.10m BGL - due to concrete obstruction.</i>	



GROUNDWATER
Saturated strata at 1.70m BGL (heavy inflow) - engineer notes water in pit possibly due to groundwater filling up basement/cellar over time.

STABILITY
Pit sides unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Engineer notes possible backfilled basement. Water in pit exists possibly due to ground water filling up basement/cellar over time.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454468.960 N:520911.169		PRAIRIE_AUK_TP188
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.622	Start Date: 08/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP188.1
PRAIRIE_AUK_TP188



Figure PRAIRIE_AUK_TP188.2
PRAIRIE_AUK_TP188





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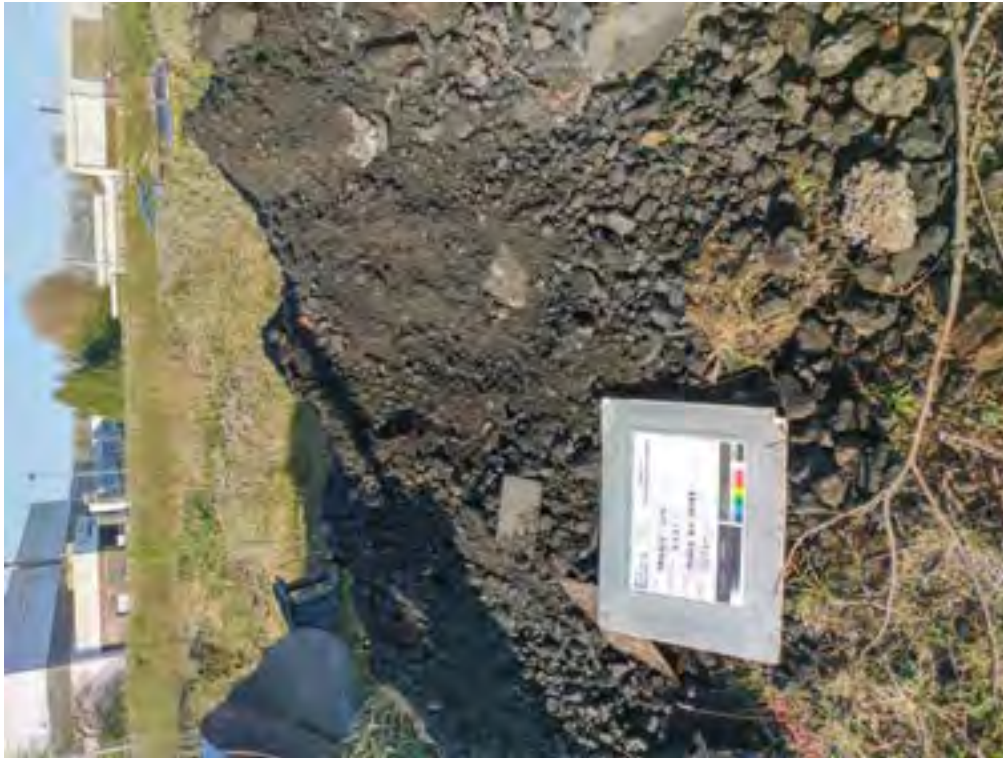
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation		Location: E:454468.960 N:520911.169	PRAIRIE_AUK_TP188
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.622	Start Date: 08/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP188.3
PRAIRIE_AUK_TP188 - Spoil





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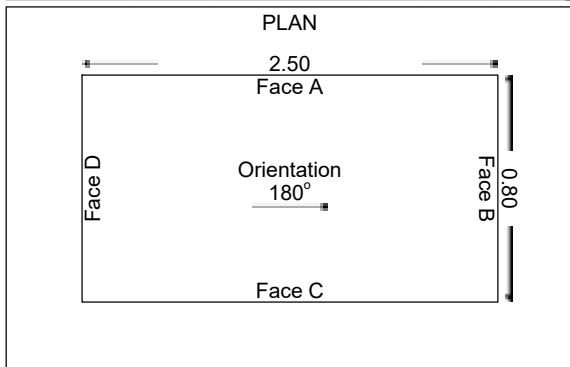
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454508.538 N:520739.484	PRAIRIE_AUK_TP189
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.680	Start Date: 07/04/2020
		Sheet: 1 of 2

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.30	J1			12.58		0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
0.50	B2					(1.20)	MADE GROUND (Red brown black clayey/silty very sandy gravel with fragments of wood. Sand is fine to coarse. Gravel is fine to medium and includes clinker, ash, coal, concrete, red brick and slag. Slag content is 0-25%. Slag is vesicular grey).
1.40	J3	83 (42)kPa		11.38		1.30	Soft to firm grey brown mottled silty CLAY/clayey SILT with traces of organic debris.
1.50	HSV						at c.1.40m BGL ... clay is of high plasticity.
1.50	B4						at c.1.50m BGL ... slightly sandy slightly gravelly clay.
1.60	ES4A	<0.1ppm					
1.60	PID						
2.50	HSV	103 (46)kPa		9.98		2.70	Firm to stiff brown red slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to coarse subangular and includes sandstone and mudstone. Engineer notes rare laminae observed).
2.70	J5					at c.2.70m BGL ... clay is of intermediate plasticity.	
2.90	B6					<i>Complete at 3.00m BGL.</i>	
3.00	PID	<0.1ppm		9.68			
3.00	ES7						



GROUNDWATER
 Perched water at 1.30m BGL (slight inflow).

STABILITY
 Pit sides stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454508.538 N:520739.484		PRAIRIE_AUK_TP189
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.680	Start Date: 07/04/2020	Sheet: 2 of 2

Figure PRAIRIE_AUK_TP189.1
PRAIRIE_AUK_TP189



Figure PRAIRIE_AUK_TP189.2
PRAIRIE_AUK_TP189 - Spoil





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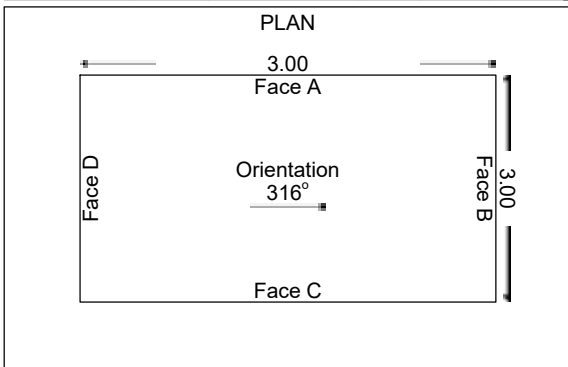
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP190	
Client: South Tees Development Corporation		Location: E:454378.486 N:521222.806	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 7.754	Start Date: 16/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
			↓			(0.80)	MADE GROUND (Black gravelly sand with fragments of metal and tile. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red brick, concrete and slag. Slag content is 0-25%. Slag is vesicular grey green white).
				6.95		0.80	
				6.75		1.00	MADE GROUND (Yellow sand. Sand is fine to coarse). (Engineer notes possible pipe bedding). <i>Terminated at 1.00m BGL - due to possible service.</i>



GROUNDWATER
 Water strike at 0.80m BGL.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) No samples taken.
 (2) Relocated to PRAIRIE_AUK_TP190A.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454378.486 N:521222.806		PRAIRIE_AUK_TP190
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.754	Start Date: 16/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP190.1
PRAIRIE_AUK_TP190



Figure PRAIRIE_AUK_TP190.2
PRAIRIE_AUK_TP190





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454378.486 N:521222.806		PRAIRIE_AUK_TP190
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.754	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP190.3
PRAIRIE_AUK_TP190 - Spoil





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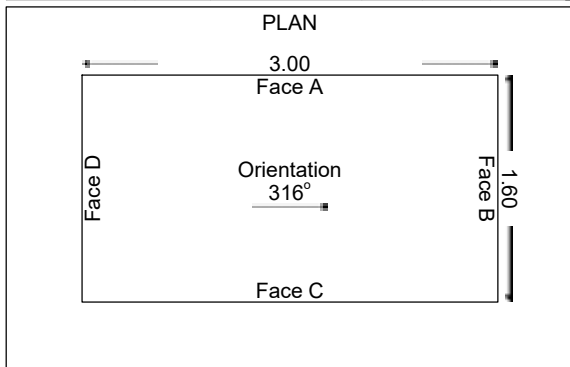
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454379.638 N:521216.552		PRAIRIE_AUK_TP190A
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 7.939	Start Date: 16/04/2020	Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.50	J1		↓			MADE GROUND (Black clayey sand and gravel with low cobble content and fragments of metal and pipe. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes red brick, concrete, ash and slag. Cobbles are subangular and include red brick and concrete. Slag content is 0-25%. Slag is vesicular grey green white). between c.0.70-1.20m BGL ... brick structure in Face C and D housing cables.	
1.00	B2			6.74			
1.10	ES3	<0.1ppm					
1.10	PID						
1.50	J4						
1.50	HSV	51 (20)kPa					
2.00	B5					Firm thinly laminated grey brown slightly sandy CLAY with fine yellow brown sand on the laminae.	
2.50	J6						
2.50	HSV	53 (18)kPa		4.94		3.00	Complete at 3.00m BGL.



GROUNDWATER
 Water at 1.20m BGL (engineer notes running out of cable duct)

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Relocated from PRAIRIE_AUK_TP190.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: K. Russell-Clamp	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454379.638 N:521216.552		PRAIRIE_AUK_TP190A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.939	Start Date: 16/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP190A.1
PRAIRIE_AUK_TP190A



Figure PRAIRIE_AUK_TP190A.2
PRAIRIE_AUK_TP190A



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TRIAL PIT RECORD

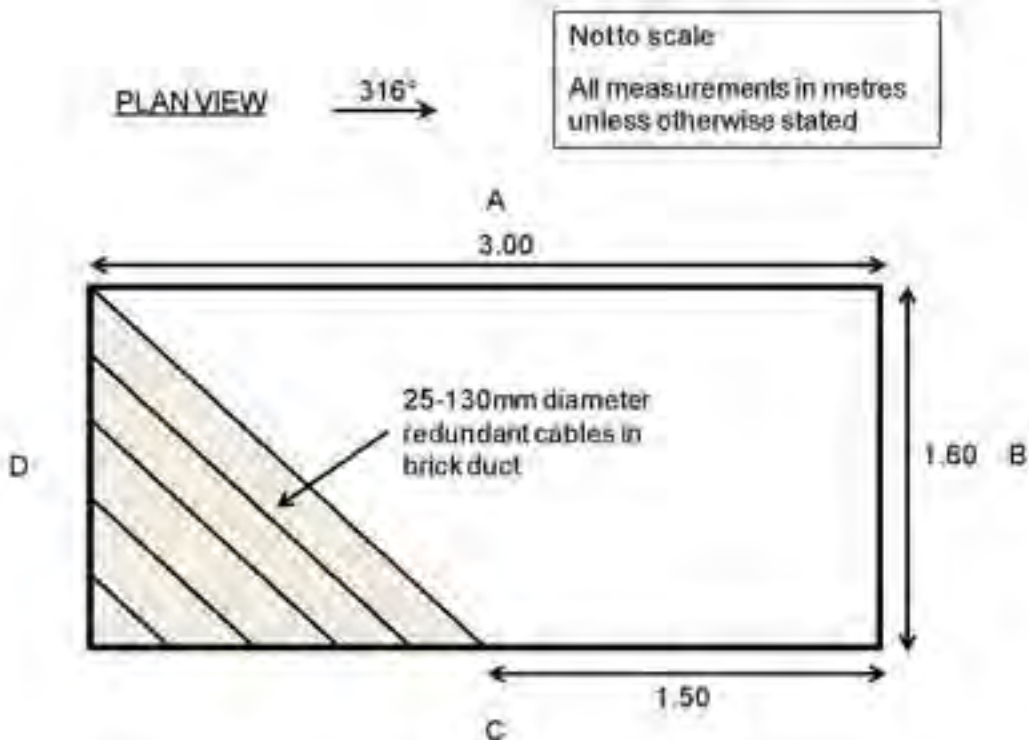
Status:-
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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454379.638 N:521216.552		PRAIRIE_AUK_TP190A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.939	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP190A.3
 PRAIRIE_AUK_TP190A - Spoil



Figure PRAIRIE_AUK_TP190A.4
 PRAIRIE_AUK_TP190A Sketch





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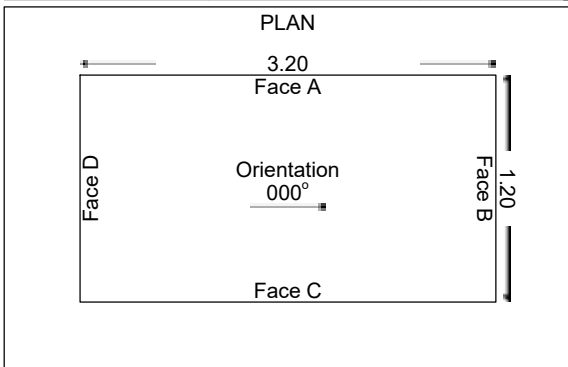
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP191	
Client: South Tees Development Corporation		Location: E:454367.523 N:521122.414	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.876	Start Date: 28/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				8.78	[Cross-hatched pattern]	0.10	MADE GROUND (Brown black sand with many rootlets. Sand is fine to coarse and is predominantly ash).
						(0.80)	MADE GROUND (Red brown black sandy gravel with low cobble content. Sand is fine to coarse. Gravel is fine to coarse and includes clinker, ash, coke, concrete, wood, red brick and slag. Gravel slag content is 0-25%. Cobbles are subangular and includes red brick and slag. Cobble slag content is 50-75%. Slag is vesicular grey green. Slight hydrocarbon odour noted).
				7.98	[Horizontal line pattern]	0.90	Soft becoming firm grey mottled black slightly sandy CLAY. Sand is fine to medium.
				7.68		(0.90)	Firm brown grey sandy CLAY with yellow sand lenses. Sand is fine to medium.
				6.78		2.10	Complete at 2.10m BGL.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) No samples taken.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454367.523 N:521122.414		PRAIRIE_AUK_TP191
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.876	Start Date: 28/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP191.1
PRAIRIE_AUK_TP191



Figure PRAIRIE_AUK_TP191.2
PRAIRIE_AUK_TP191





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454367.523 N:521122.414		PRAIRIE_AUK_TP191
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.876	Start Date: 28/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP191.3
PRAIRIE_AUK_TP191 - Spoil





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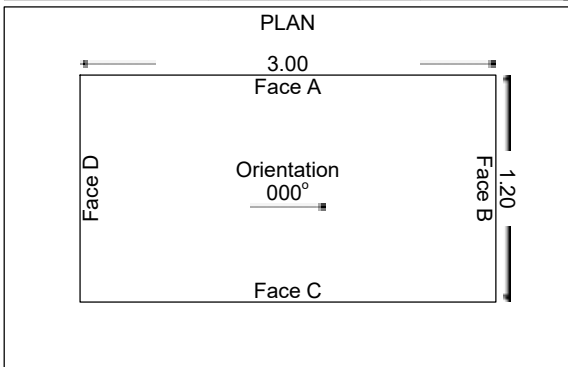
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP192	
Client: South Tees Development Corporation		Location: E:454373.500 N:521098.322	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 9.246	Start Date: 01/05/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				9.15		0.10	MADE GROUND (Brown black sand with many rootlets. Sand is fine to coarse and predominantly ash).
						(1.00)	MADE GROUND (Red brown black sandy gravel with low cobble content. Sand is fine to coarse. Gravel is fine to coarse and includes clinker, ash, coke, concrete, wood, red brick and slag. Gravel slag content is 0-25%. Cobbles are subangular and includes red brick and slag. Cobble slag content is 50-75%. Slag is vesicular grey green. Slight hydrocarbon odour noted).
				8.15		1.10	Soft becoming firm grey mottled black slightly sandy CLAY. Sand is fine to medium.
				7.95		1.30	Firm brown grey CLAY.
						(0.80)	Complete at 2.10m BGL.
				7.15		2.10	



GROUNDWATER
 Saturated strata at 1.10m BGL (slight inflow).

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454373.500 N:521098.322		PRAIRIE_AUK_TP192
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.246	Start Date: 01/05/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP192.1
PRAIRIE_AUK_TP192



Figure PRAIRIE_AUK_TP192.2
PRAIRIE_AUK_TP192





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454373.500 N:521098.322		PRAIRIE_AUK_TP192
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.246	Start Date: 01/05/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP192.3
PRAIRIE_AUK_TP192 - Spoil





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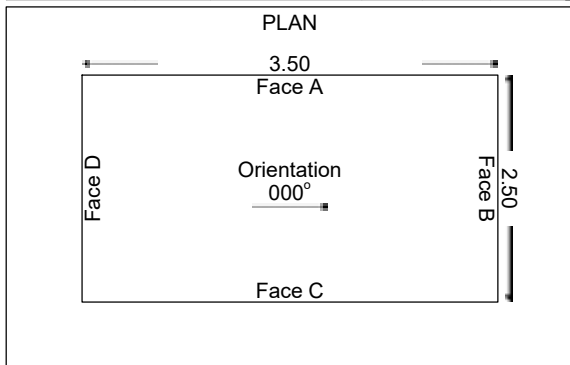
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278	PRAIRIE_AUK_TP193
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.665	Start Date: 30/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.80	ES1			10.52		0.15	<p>MADE GROUND (Brown grey very sandy gravel with many rootlets. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Slag is vesicular grey).</p> <p>MADE GROUND (Black brown sandy gravel. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, concrete and clinker. Slag content is 25-50%. Slag is vesicular grey).</p> <p>at c.0.15m BGL ... railway lines 1.50m apart - extended pit west. at c.0.40m BGL ... 10mm grey cable running 000 degrees along side eastern edge of pit.</p> <p>MADE GROUND (Black sandy gravel and cobbles. Sand is fine to coarse and includes ash. Gravel is fine to coarse angular to subangular and includes clinker, ash concrete and wood. Cobbles are angular and includes slag. Slag content is 75-100%. Slag is vesicular grey and green. Strong creosote/hydrocarbon sheen and odour noted).</p> <p>Firm grey green mottled black CLAY.</p> <p>Complete at 1.00m BGL.</p>
				10.07		(0.45)	
				9.77		0.90	
				9.67		1.00	



GROUNDWATER
 Saturated strata at 0.80m BGL (slight inflow).

STABILITY
 Pit sides and base slightly unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278		PRAIRIE_AUK_TP193
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.665	Start Date: 30/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP193.1
PRAIRIE_AUK_TP193



Figure PRAIRIE_AUK_TP193.2
PRAIRIE_AUK_TP193





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278		PRAIRIE_AUK_TP193
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.665	Start Date: 30/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP193.3
PRAIRIE_AUK_TP193 - Spoil





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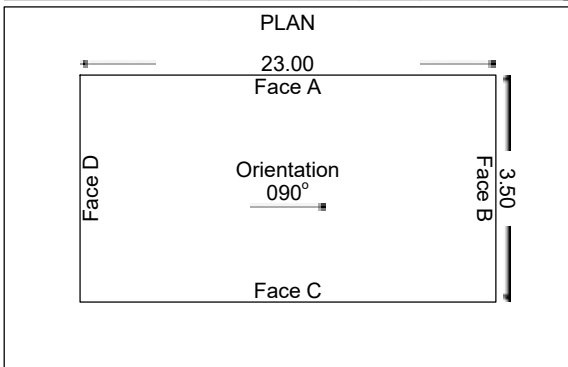
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		PRAIRIE_AUK_TP193A	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Location: E:454417.220 N:521030.278	
		Ground Level (m): 10.665	
		Start Date: 30/04/2020	
		Sheet: 1 of 5	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
				10.47		0.20 MADE GROUND (Brown grey sandy gravel with many rootlets. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Slag is vesicular grey). MADE GROUND (Brown black sandy gravel and cobbles with medium boulder content, steel girders, metal sheets, sections of railway line, and fragments of metal, wood and plastic. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes red brick, ash, clinker, concrete and slag. Slag content is 25-50%. Slag is vesicular grey. Cobbles are angular and include of red brick and concrete with 10-30mm rebar. Boulders are angular and include concrete).
				(4.40)		
				6.07		4.60 Complete at 4.60m BGL.



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base unstable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Trial pit excavated across slope exposing various subsurface structures - refer to sketch following PRAIRIE_AUK_TP194E.
 (2) No samples taken.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278		PRAIRIE_AUK_TP193A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.665	Start Date: 30/04/2020	Sheet: 2 of 5

Figure PRAIRIE_AUK_TP193A.1
PRAIRIE_AUK_TP193A



Figure PRAIRIE_AUK_TP193A.2
PRAIRIE_AUK_TP193A





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TRIAL PIT RECORD

Status:-

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Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278		PRAIRIE_AUK_TP193A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.665	Start Date: 30/04/2020	

Figure PRAIRIE_AUK_TP193A.3
PRAIRIE_AUK_TP193A



Figure PRAIRIE_AUK_TP193A.4
PRAIRIE_AUK_TP193A





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278		PRAIRIE_AUK_TP193A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.665	Start Date: 30/04/2020	

Figure PRAIRIE_AUK_TP193A.5
PRAIRIE_AUK_TP193A - Spoil



Figure PRAIRIE_AUK_TP193A.6
PRAIRIE_AUK_TP193A - Spoil





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TRIAL PIT RECORD

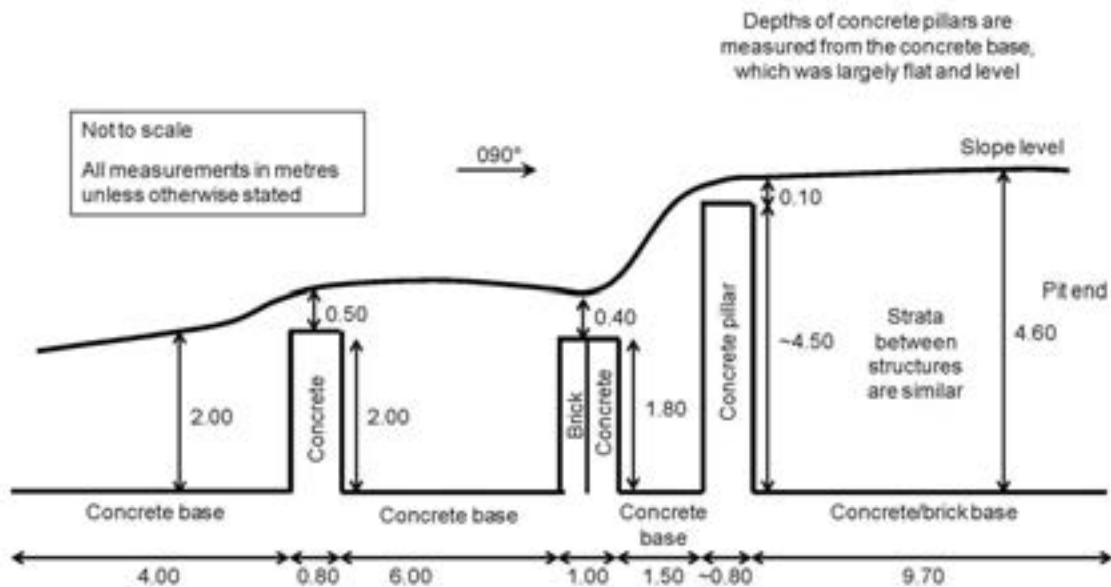
Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278		PRAIRIE_AUK_TP193A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.665	Start Date: 30/04/2020	Sheet: 5 of 5

Figure PRAIRIE_AUK_TP193A.7
PRAIRIE_AUK_TP193A - Spoil



Figure PRAIRIE_AUK_TP193A.8
PRAIRIE_AUK_TP193A Sketch





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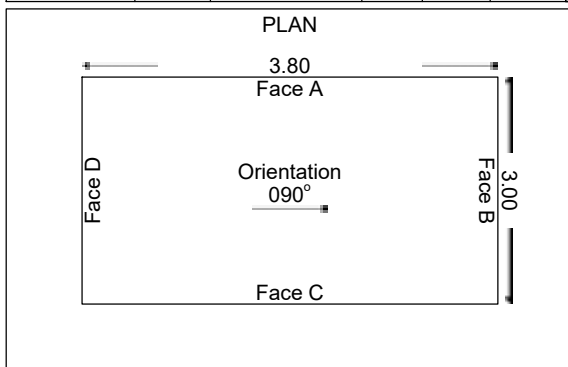
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP194A	
Client: South Tees Development Corporation		Location: E:454444.765 N:520997.809	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 29/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
1.40	ES1					(1.40)	MADE GROUND (Brown grey very sandy gravel with medium cobble content. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes slag, sandstone, red brick and concrete. Gravel slag content is 25-50%. Cobbles are angular and includes red brick, concrete and slag. Cobbles slag content is 0-25%. Slag is vesicular grey). at c.0.50m BGL ... 300mm diameter cast iron pipe running 000 degrees.
				11.81		1.40	MADE GROUND (Brown black sandy gravel with low cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag. Cobbles are angular and include slag. Slag content is 75-100%. Slag is vesicular grey. Strong hydrocarbon/creosote odour). at c.1.50m BGL ... broken 150mm diameter clay pipe running 000 degrees.
				11.61		1.60	Firm brown grey mottled black CLAY. Hydrocarbon odour noted. (Engineer notes contamination from strata above). <i>Complete at 2.20m BGL.</i>
				11.01		2.20	



GROUNDWATER
 Saturated strata at 1.50m BGL (moderate inflow) - caused by broken pipe running north-south.

STABILITY
 Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Trial pit excavated across slope exposing various subsurface structures - refer to sketch following PRAIRIE_AUK_TP194E.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP194A.1
PRAIRIE_AUK_TP194A



Figure PRAIRIE_AUK_TP194A.2
PRAIRIE_AUK_TP194A





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP194A.3
PRAIRIE_AUK_TP194 (From Section E looking towards Section A)



Figure PRAIRIE_AUK_TP194A.4
PRAIRIE_AUK_TP194 - Spoil





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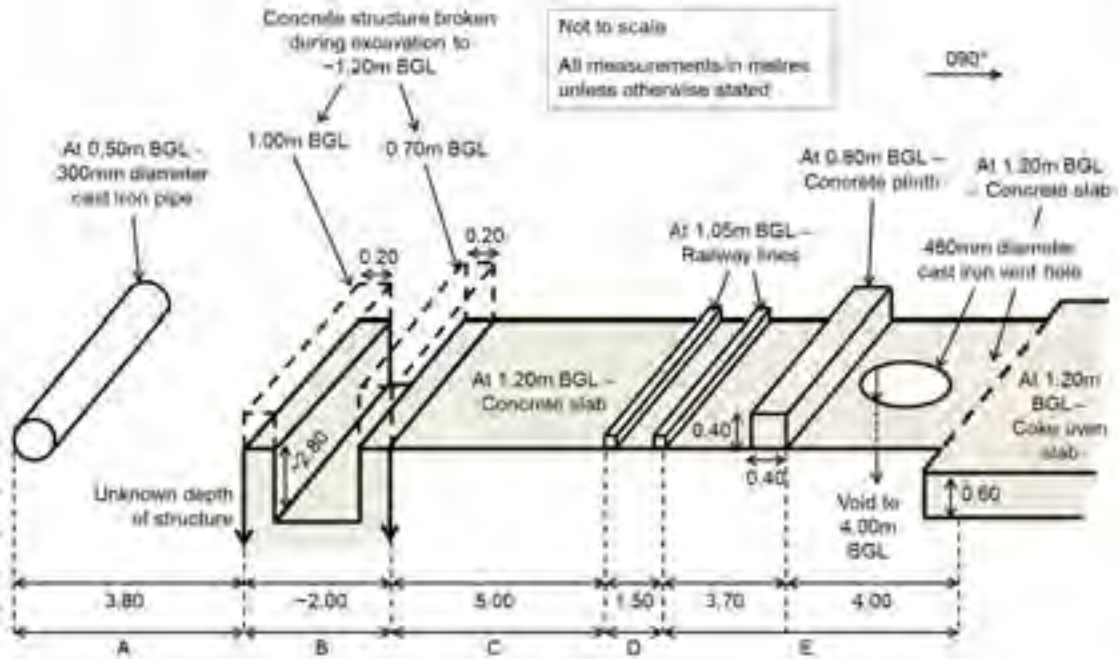
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP194A.5
PRAIRIE_AUK_TP194 Sketch





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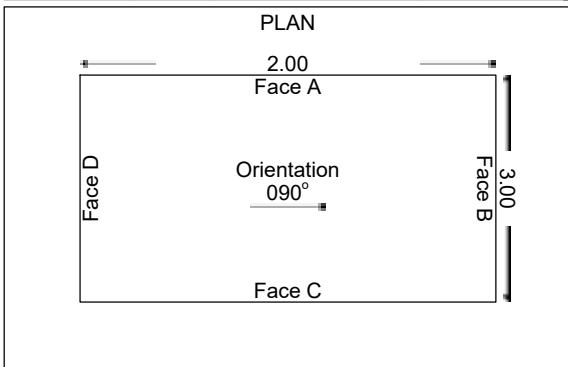
Tel: 0191 387 4700 Fax: 0191 387 4710
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454444.765 N:520997.809	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 29/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
			~	10.41	(2.80)	MADE GROUND (Grey sandy gravel and cobbles. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag. Gravel slag content is 50-75%. Cobbles are angular and include slag. Cobbles slag content is 75-100%. Slag is vesicular grey and green).
					2.80	at c.2.80m BGL ... concrete slab (possible foundation) - pit extended. <i>Terminated at 2.80m BGL - due to concrete obstruction.</i>



GROUNDWATER
 Saturated strata at 1.80m BGL (heavy inflow).

STABILITY
 Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Trial pit excavated across slope exposing various subsurface structures - refer to sketch following PRAIRIE_AUK_TP194E.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP194B.1
PRAIRIE_AUK_TP194B



Figure PRAIRIE_AUK_TP194B.2
PRAIRIE_AUK_TP194B (Looking towards Section C)





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Tel: 01772 735 300 Fax: 01772 735 999

TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	

Figure PRAIRIE_AUK_TP194B.3
PRAIRIE_AUK_TP194 (From Section E looking towards Section A)



Figure PRAIRIE_AUK_TP194B.4
PRAIRIE_AUK_TP194 - Spoil





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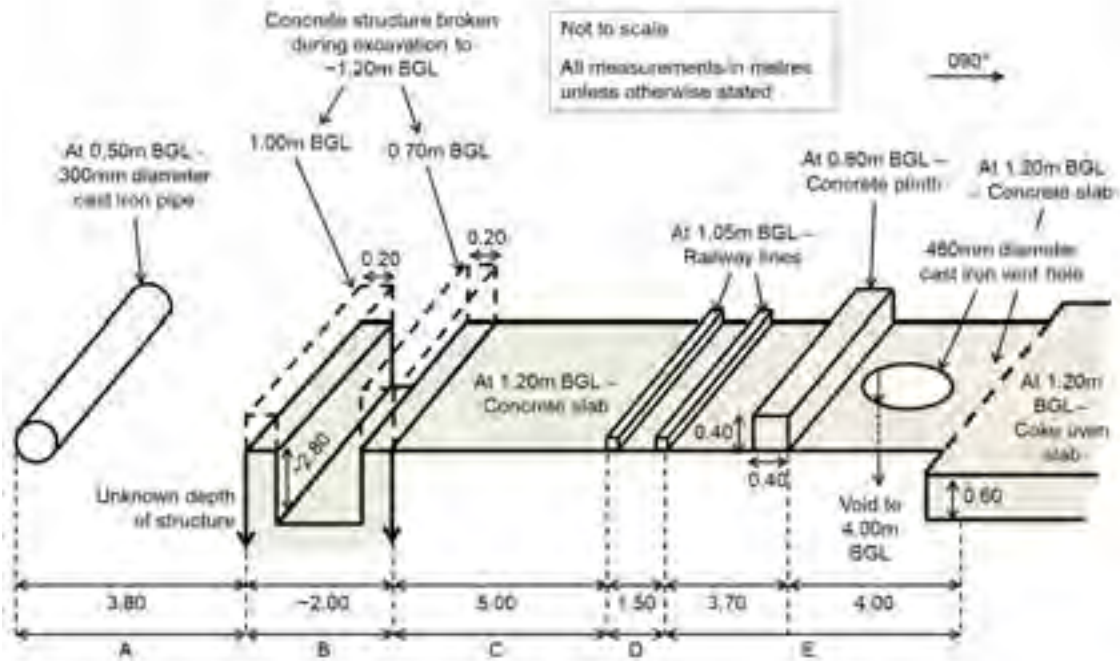
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP194B.5
PRAIRIE_AUK_TP194 Sketch





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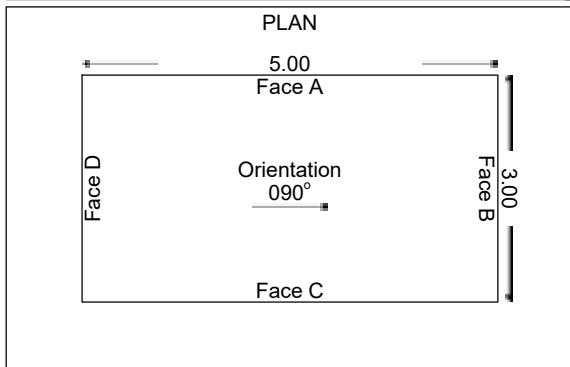
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP194C	
Client: South Tees Development Corporation		Location: E:454444.765 N:520997.809	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 29/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
				12.01		MADE GROUND (Grey gravel and cobbles. Gravel is fine to coarse subangular and includes slag and red brick. Slag content is 25-50%. Cobbles are subangular and include slag, concrete, metal, wood and red and yellow brick. Slag content is 50-75%. Slag is vesicular grey). at c.1.20m BGL ... concrete slab (possible foundation) - pit extended. <i>Terminated at 1.20m BGL - due to concrete obstruction.</i>



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Trial pit excavated across slope exposing various subsurface structures - refer to sketch following PRAIRIE_AUK_TP194E.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194C
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP194C.1
PRAIRIE_AUK_TP194C



Figure PRAIRIE_AUK_TP194C.2
PRAIRIE_AUK_TP194 (Section B looking towards Section C)





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194C
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	

Figure PRAIRIE_AUK_TP194C.3
PRAIRIE_AUK_TP194 (From Section E looking towards Section A)



Figure PRAIRIE_AUK_TP194C.4
PRAIRIE_AUK_TP194 - Spoil





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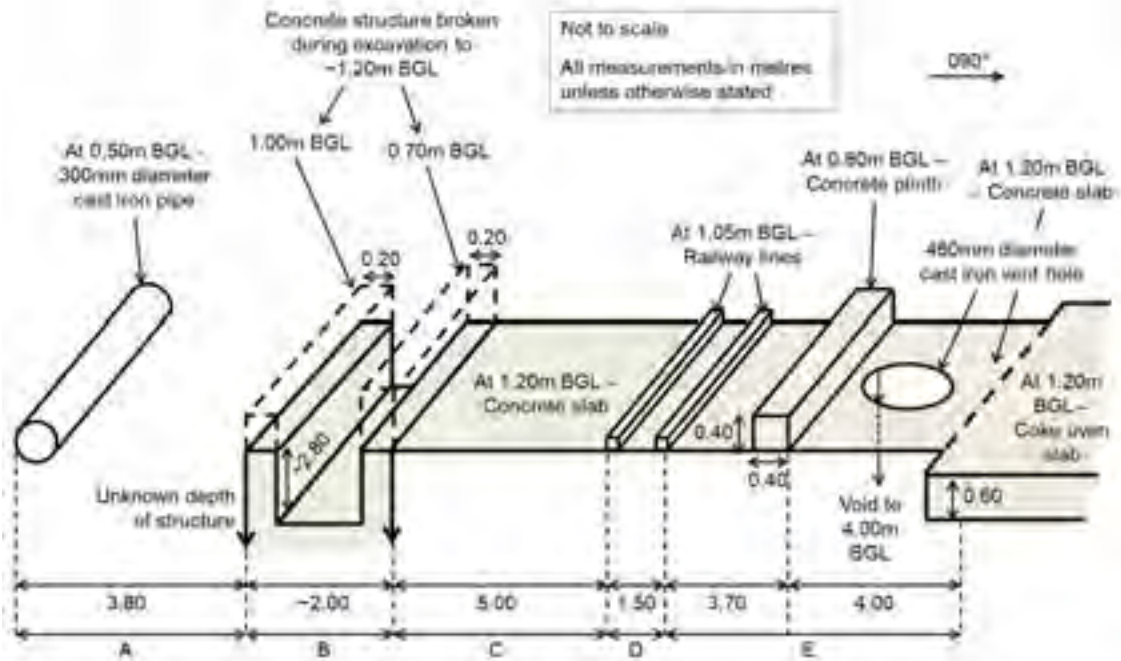
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194C
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP194C.5
PRAIRIE_AUK_TP194 Sketch





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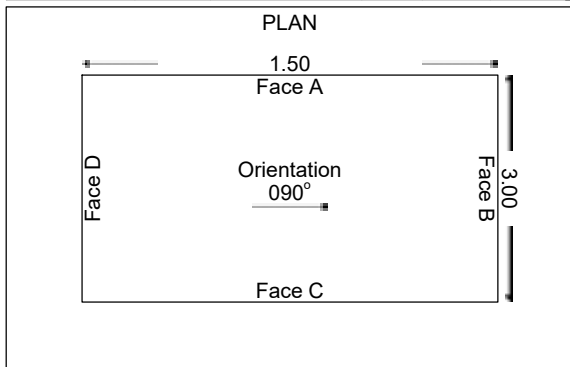
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP194D	
Client: South Tees Development Corporation		Location: E:454444.765 N:520997.809	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 29/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
				11.51		MADE GROUND (Grey gravel and cobbles with fragments of metal and wood. Gravel is fine to coarse subangular and includes slag and red brick. Gravel slag content is 25-50%. Cobbles are subangular and include slag, concrete and red and yellow brick. Cobble slag content is 50-75%. Slag is vesicular grey).
						at c.1.70m BGL ... concrete slab (possible foundation) - pit extended. Terminated at 1.70m BGL - due to concrete obstruction.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Trial pit excavated across slope exposing various subsurface structures - refer to sketch following PRAIRIE_AUK_TP194E.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194D
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP194D.1
PRAIRIE_AUK_TP194D



Figure PRAIRIE_AUK_TP194D.2
PRAIRIE_AUK_TP194D





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194D
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	

Figure PRAIRIE_AUK_TP194D.3
PRAIRIE_AUK_TP194 (From Section E looking towards Section A)



Figure PRAIRIE_AUK_TP194D.4
PRAIRIE_AUK_TP194 - Spoil





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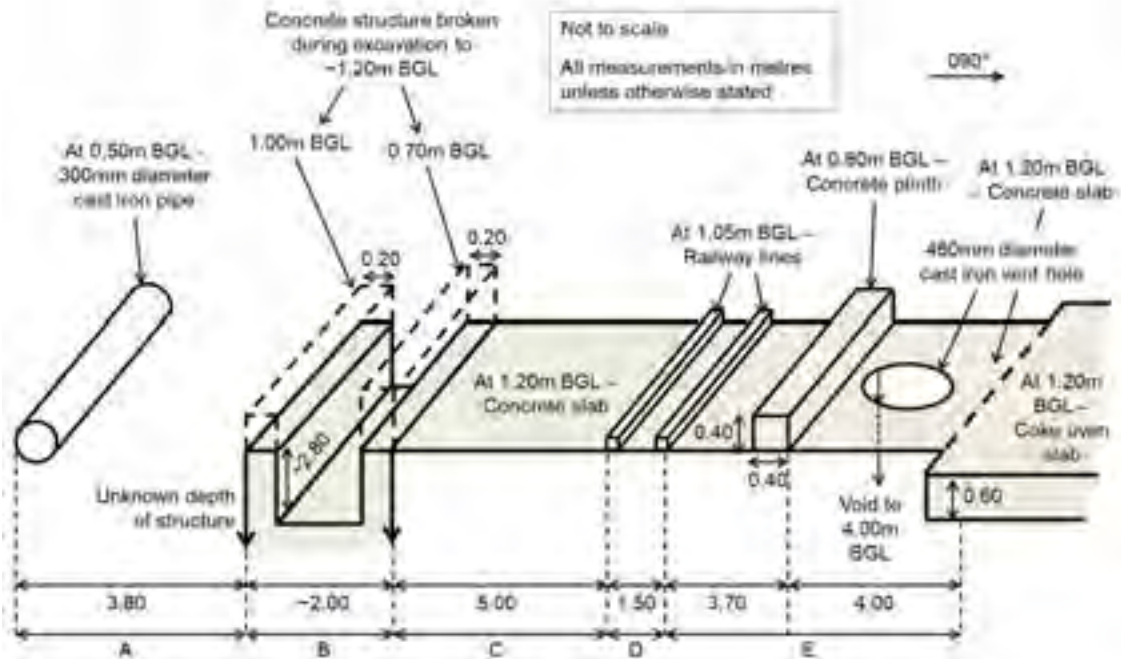
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194D
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP194D.5
PRAIRIE_AUK_TP194 Sketch





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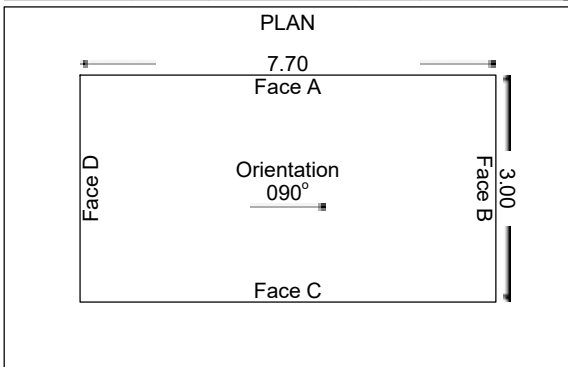
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP194E	
Client: South Tees Development Corporation		Location: E:454444.765 N:520997.809	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 29/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
				12.01		MADE GROUND (Grey gravel and cobbles. Gravel is fine to coarse subangular and includes slag and red brick. Slag content is 25-50%. Cobbles are subangular and include slag, concrete, metal, wood and red and yellow brick. Slag content is 50-75%. Slag is vesicular grey). at c.1.20m BGL ... concrete slab. Engineer notes voided beneath to 4.00m BGL. <i>Terminated at 1.20m BGL - due to concrete obstruction.</i>



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Trial pit excavated across slope exposing various subsurface structures - refer to following sketch.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194E
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP194E.1
PRAIRIE_AUK_TP194E



Figure PRAIRIE_AUK_TP194E.2
PRAIRIE_AUK_TP194E





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194E
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	

Figure PRAIRIE_AUK_TP194E.3
PRAIRIE_AUK_TP194E



Figure PRAIRIE_AUK_TP194E.4
PRAIRIE_AUK_TP194 (From Section E looking towards Section A)





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TRIAL PIT RECORD

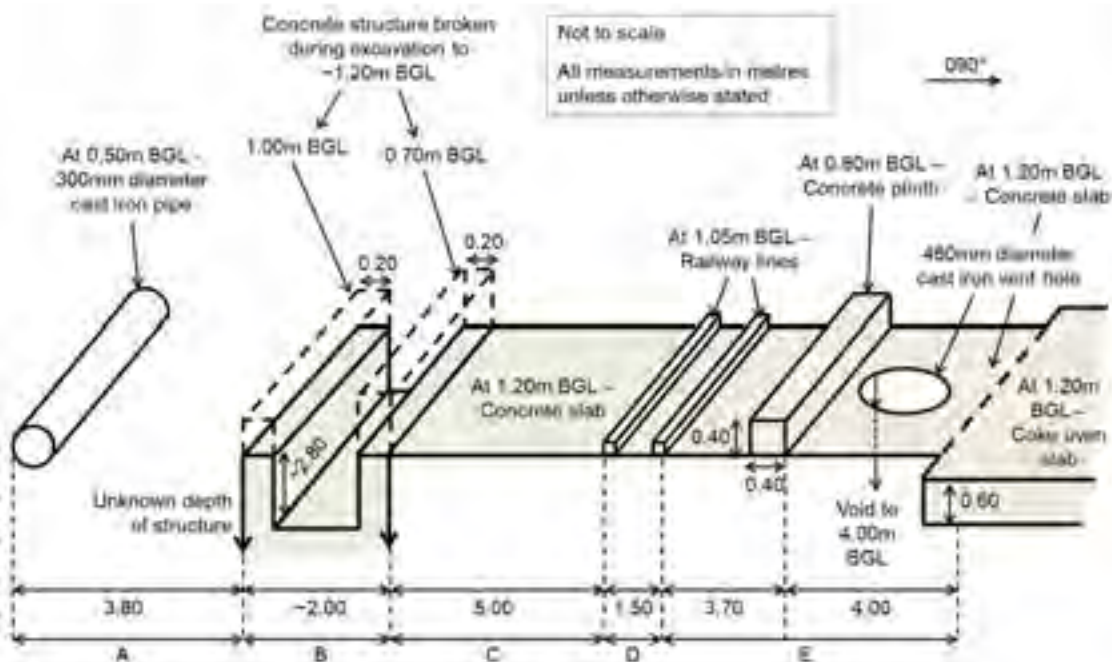
Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		PRAIRIE_AUK_TP194E
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP194E.5
 PRAIRIE_AUK_TP194 - Spoil



Figure PRAIRIE_AUK_TP194E.6
 PRAIRIE_AUK_TP194 Sketch





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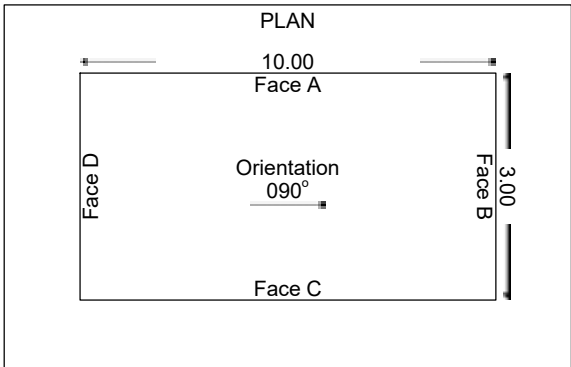
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		PRAIRIE_AUK_TP195	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Location: E:454479.190 N:520939.302	Ground Level (m): 12.556
		Start Date: 28/04/2020	Sheet: 1 of 4

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				12.46		0.10	<p>MADE GROUND (Brown grey very sandy gravel with many rootlets. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Slag is vesicular grey).</p> <p>MADE GROUND (Brown grey very sandy gravel with high cobble content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, concrete and red and yellow brick. Slag content is 0-25%. Cobbles are angular and include red and yellow brick and concrete. Slag is vesicular grey). at c.0.70m BGL ... concrete slab - extend pit east.</p> <p>MADE GROUND (Brown grey very sandy gravel with high cobble content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, concrete and red and yellow brick. Slag content is 0-25%. Cobbles are angular and include red and yellow brick and concrete. Slag is vesicular grey). at c.1.10m BGL ... concrete slab - extend pit east.</p> <p>MADE GROUND (Brown grey very sandy gravel with high cobble content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, concrete and red and yellow brick. Slag content is 0-25%. Cobbles are angular and include red and yellow brick and concrete. Slag is vesicular grey). at c.2.10m BGL ... concrete slab.</p> <p><i>Terminated at 2.10m BGL - due to concrete obstruction.</i></p>
				11.86		(0.60)	
				11.46		(0.40)	
						(1.00)	
				10.46		2.10	



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Trial pit excavated on slope.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454479.190 N:520939.302		PRAIRIE_AUK_TP195
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.556	Start Date: 28/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP195.1
PRAIRIE_AUK_TP195



Figure PRAIRIE_AUK_TP195.2
PRAIRIE_AUK_TP195





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454479.190 N:520939.302		PRAIRIE_AUK_TP195
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.556	Start Date: 28/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP195.3
PRAIRIE_AUK_TP195



Figure PRAIRIE_AUK_TP195.4
PRAIRIE_AUK_TP195 - Spoil





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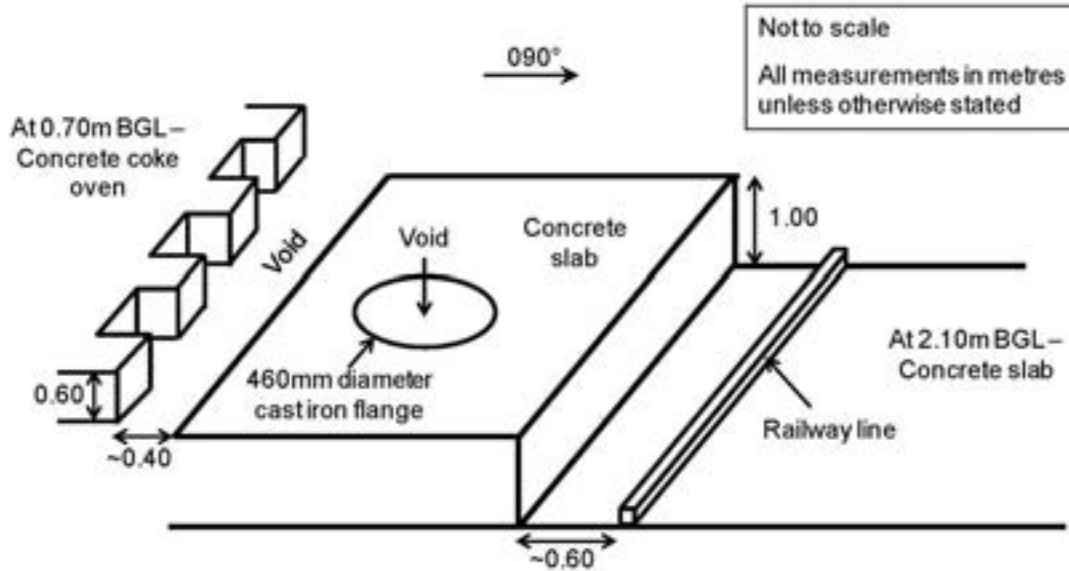
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454479.190 N:520939.302		PRAIRIE_AUK_TP195
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.556	Start Date: 28/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP195.5
PRAIRIE_AUK_TP195 Sketch





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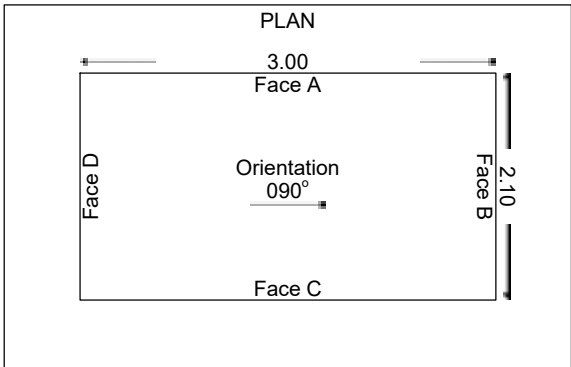
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820	PRAIRIE_AUK_TP196A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020
		Sheet: 1 of 4

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
1.40	ES1					(1.40)	MADE GROUND (Brown grey very sandy gravel with medium cobble content. Sand is fine to coarse and includes predominantly ash. Gravel is fine to coarse subangular and includes slag, sandstone, brick and concrete. Slag content is 25-50%. Cobbles are angular and include red brick, concrete and slag. Slag content 0-25%. Slag is vesicular grey). at c.0.50m BGL ... 300mm cast iron pipe running 000 degrees.
				9.79	1.40		
				9.59	1.60		MADE GROUND (Brown grey sandy gravel with medium cobble content. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag. Gravel slag content is 75-100%. Cobbles are angular and include slag. Cobble slag content is 75-100%. Slag is vesicular grey/grey green. Strong hydrocarbon/creosote odour and sheen noted). Firm brown grey mottled black CLAY. Hydrocarbon contamination from strata above. <i>Complete at 2.00m BGL.</i>
				9.19	2.00		



GROUNDWATER
Saturated strata at 1.80m BGL (Heavy inflow)

STABILITY
Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Trial pit excavated on slope.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820		PRAIRIE_AUK_TP196A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP196A.1
PRAIRIE_AUK_TP196A



Figure PRAIRIE_AUK_TP196A.2
PRAIRIE_AUK_TP196 (Section A towards Section B)





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820		PRAIRIE_AUK_TP196A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP196A.3
PRAIRIE_AUK_TP196 (Section B towards Section A)



Figure PRAIRIE_AUK_TP196A.4
PRAIRIE_AUK_TP196 - Spoil





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TRIAL PIT RECORD

Status:-

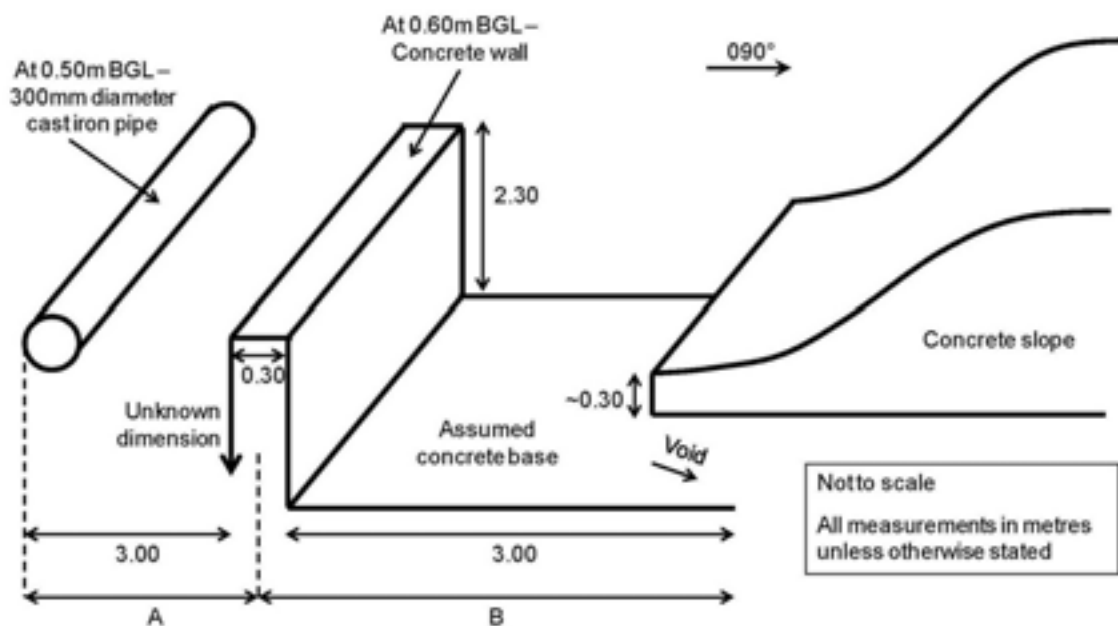
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820		PRAIRIE_AUK_TP196A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP196A.5
PRAIRIE_AUK_TP196 - Spoil



Figure PRAIRIE_AUK_TP196A.6
PRAIRIE_AUK_TP196 Sketch





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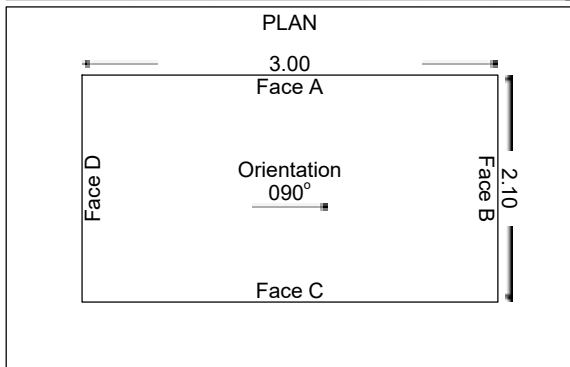
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP196B
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820	
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020
		Sheet: 1 of 5

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
				9.99		MADE GROUND (Grey sandy gravel and cobbles. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag. Gravel slag content 50-75%. Cobbles are angular and include slag. Cobble slag content is 75-100%. Slag is vesicular).
				8.29		MADE GROUND (Grey gravel and cobbles with low to medium boulder content. Gravel is fine to coarse subangular and includes slag. Gravel slag content is 25-50%. Cobbles are subangular and include slag, concrete and metal. Cobble slag content is 50-75%. Boulders are subangular and include concrete, metal and wood. Slag is vesicular).
						Terminated at 2.90m BGL - due to concrete obstruction.



GROUNDWATER
 Saturated strata at 1.80m BGL (heavy inflow).

STABILITY
 Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Trial pit excavated on slope.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820		PRAIRIE_AUK_TP196B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 2 of 5

Figure PRAIRIE_AUK_TP196B.1
PRAIRIE_AUK_TP196B



Figure PRAIRIE_AUK_TP196B.2
PRAIRIE_AUK_TP196B





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820		PRAIRIE_AUK_TP196B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 3 of 5

Figure PRAIRIE_AUK_TP196B.3
PRAIRIE_AUK_TP196 (Section A towards Section B)



Figure PRAIRIE_AUK_TP196B.4
PRAIRIE_AUK_TP196 (Section B towards Section A)





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820		PRAIRIE_AUK_TP196B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020	

Figure PRAIRIE_AUK_TP196B.5
PRAIRIE_AUK_TP196 - Spoil



Figure PRAIRIE_AUK_TP196B.6
PRAIRIE_AUK_TP196 - Spoil





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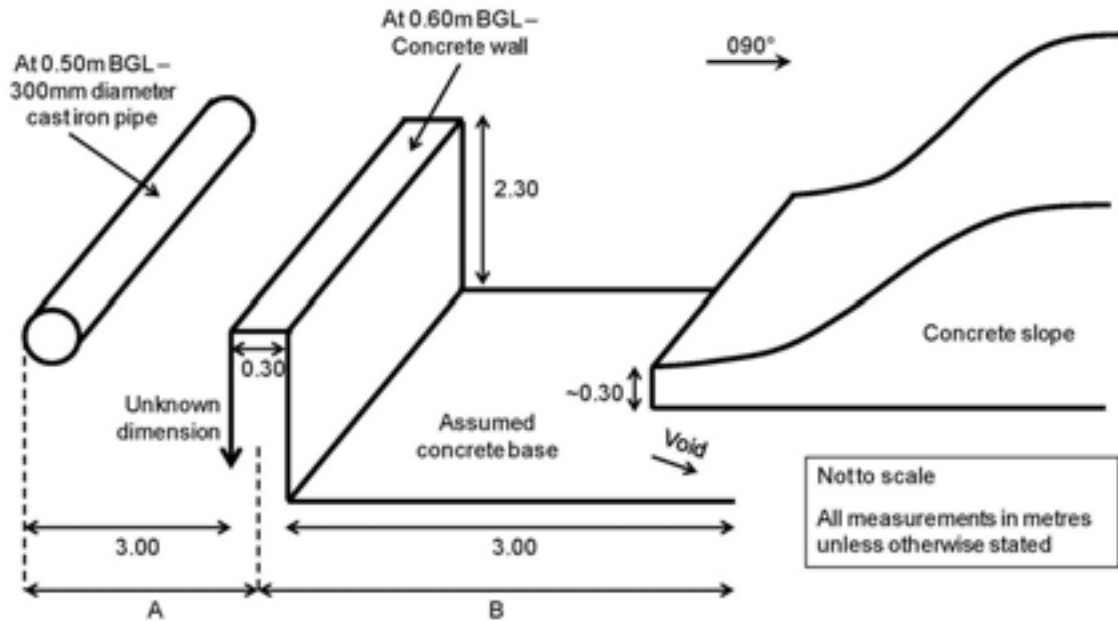
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454436.008 N:520967.820		PRAIRIE_AUK_TP196B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 5 of 5

Figure PRAIRIE_AUK_TP196B.7
PRAIRIE_AUK_TP196 Sketch





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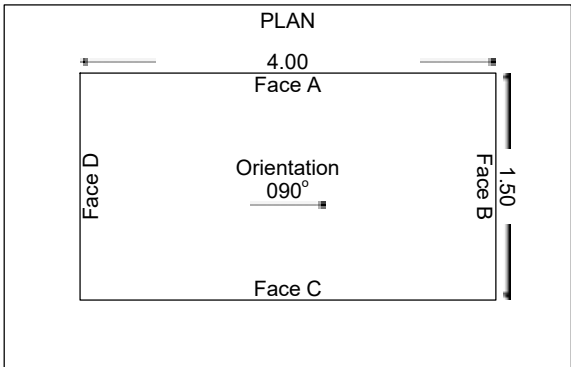
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454449.745 N:520922.379	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 11.396	Start Date: 29/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
						1.80	MADE GROUND (Brown grey very sandy gravel with medium cobble content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and include slag, sandstone, red brick and concrete. Gravel slag content is 25-50%. Cobbles are angular and include red brick, concrete and slag. Cobble slag content is 0-25%. Slag is vesicular grey).
				9.60	1.80	1.00	MADE GROUND (Brown grey very gravel and cobbles with low boulder content and metal (girders). Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, sandstone, red brick and concrete. Gravel slag content is 25-50%. Cobbles are angular and include red brick, concrete, slag, wood and metal. Cobble slag content is 0-25%. Boulders are angular and include concrete. Slag is vesicular grey).
				8.60	2.80		<i>Terminated at 2.80m BGL - due to concrete obstruction.</i>



GROUNDWATER
Saturated strata at 1.80m BGL (heavy inflow).

STABILITY
Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

- (1) Trial pit excavated on slope.
- (2) No samples taken.
- (3) Trial pit excavated across slope exposing various subsurface structures - refer to following sketch.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454449.745 N:520922.379		PRAIRIE_AUK_TP197
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.396	Start Date: 29/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP197.1
PRAIRIE_AUK_TP197



Figure PRAIRIE_AUK_TP197.2
PRAIRIE_AUK_TP197





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454449.745 N:520922.379		PRAIRIE_AUK_TP197
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.396	Start Date: 29/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP197.3
PRAIRIE_AUK_TP197



Figure PRAIRIE_AUK_TP197.4
PRAIRIE_AUK_TP197





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454449.745 N:520922.379		PRAIRIE_AUK_TP197
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 11.396	Start Date: 29/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP197.5
PRAIRIE_AUK_TP197 - Spoil

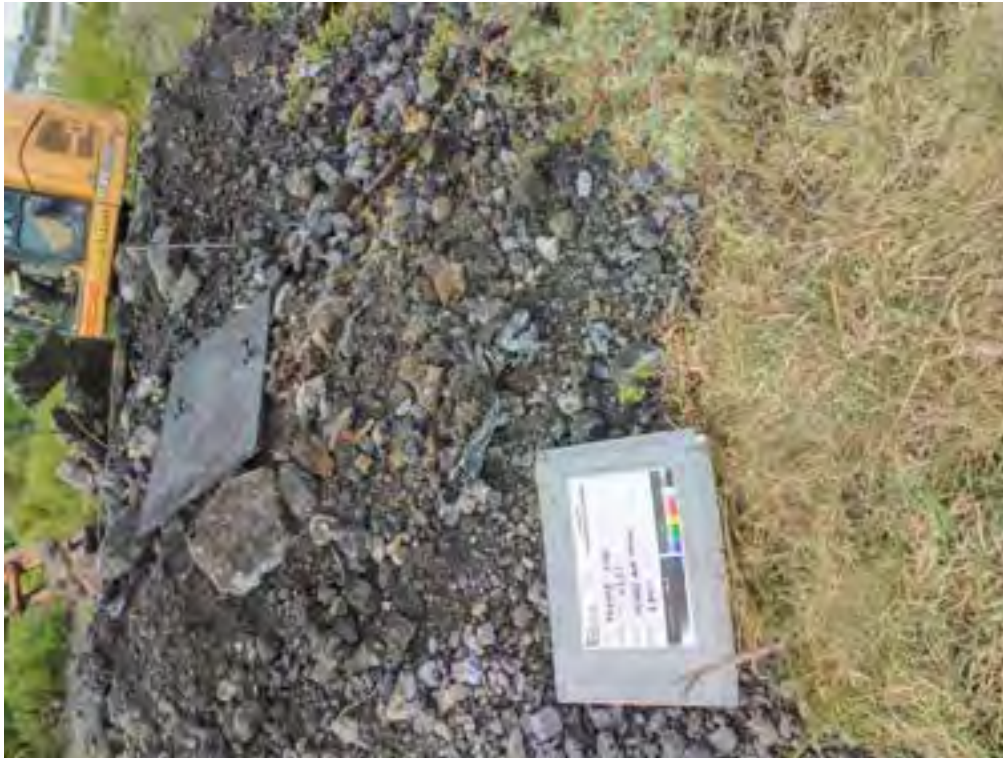
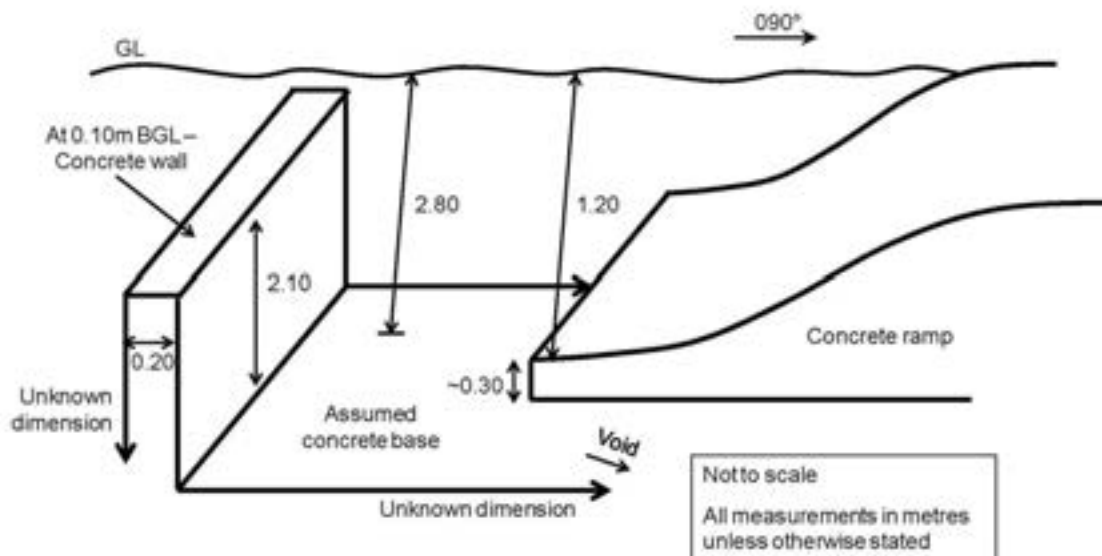


Figure PRAIRIE_AUK_TP197.6
PRAIRIE_AUK_TP197 Sketch





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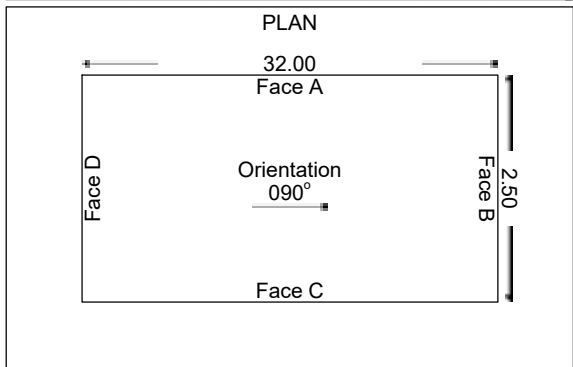
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG **Tel:** 0191 387 4700 **Fax:** 0191 387 4710
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454458.796 N:520990.155	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.937	Start Date: 27/04/2020
		Sheet: 1 of 7	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				12.74		0.20	MADE GROUND (Brown grey very sandy gravel with many rootlets. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Slag is vesicular grey).
						(1.00)	MADE GROUND (Red brown black sandy gravel with high cobble and low boulder content and metal and wood. Sand is fine to coarse. Gravel is fine to coarse angular and includes clinker, ash, concrete, red brick and slag. Slag content is 0-25%. Cobbles are angular and include red and yellow brick and concrete (rebar 10-20mm). Boulders are angular and include red and yellow brick sections and concrete (rebar 10-20mm). Slag is vesicular grey green).
				11.74		1.20	MADE GROUND (Red brown black sandy gravel with high cobble content and fragments of wood. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, coal, concrete and red brick. Cobbles are angular and include red and yellow brick, metal, wood and concrete).
				10.34		2.60	at c.1.20m BGL ... concrete, extend pit east. at c.2.60m BGL ... concrete, extend pit east. <i>Terminated at 2.60m BGL - due to concrete obstruction.</i>



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Trial pit excavated across slope exposing various subsurface structures - refer to following sketch.
 (2) At 2.60m BGL - pit extended north from western end. Same ground conditions encountered to 1.60m BGL.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454458.796 N:520990.155		PRAIRIE_AUK_TP198
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.937	Start Date: 27/04/2020	Sheet: 2 of 7

Figure PRAIRIE_AUK_TP198.1
PRAIRIE_AUK_TP198



Figure PRAIRIE_AUK_TP198.2
PRAIRIE_AUK_TP198





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454458.796 N:520990.155		PRAIRIE_AUK_TP198
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.937	Start Date: 27/04/2020	Sheet: 3 of 7

Figure PRAIRIE_AUK_TP198.3
PRAIRIE_AUK_TP198



Figure PRAIRIE_AUK_TP198.4
PRAIRIE_AUK_TP198





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TRIAL PIT RECORD

Status:-

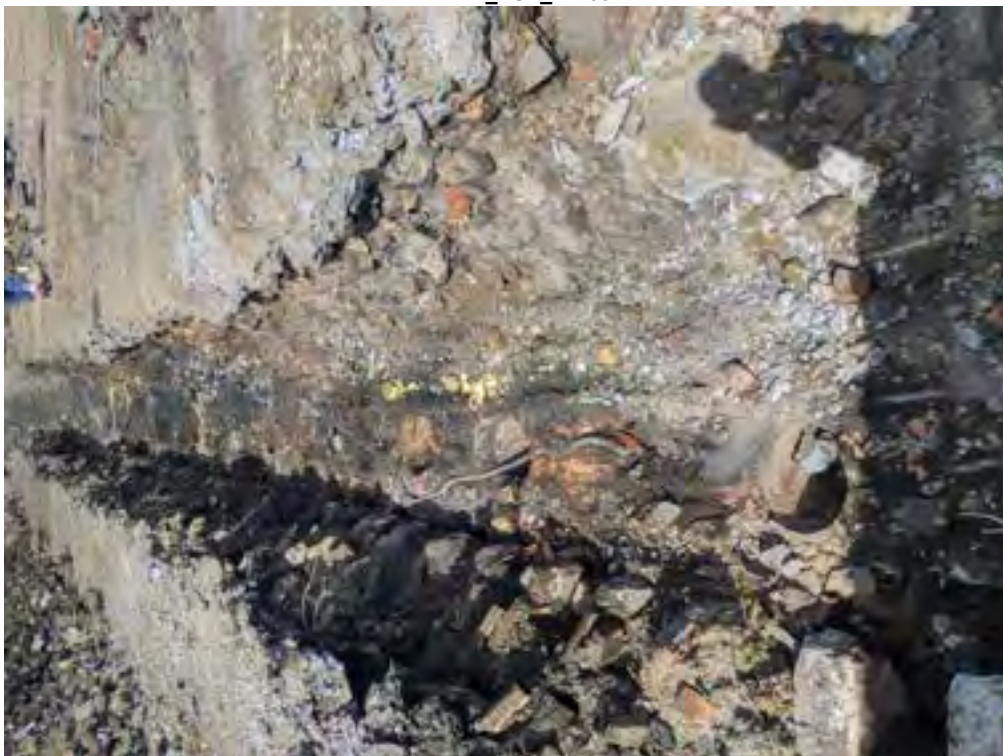
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454458.796 N:520990.155	PRAIRIE_AUK_TP198
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.937	Start Date: 27/04/2020
Sheet: 4 of 7		

Figure PRAIRIE_AUK_TP198.5
PRAIRIE_AUK_TP198



Figure PRAIRIE_AUK_TP198.6
PRAIRIE_AUK_TP198





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454458.796 N:520990.155		PRAIRIE_AUK_TP198
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.937	Start Date: 27/04/2020	Sheet: 5 of 7

Figure PRAIRIE_AUK_TP198.7
PRAIRIE_AUK_TP198



Figure PRAIRIE_AUK_TP198.8
PRAIRIE_AUK_TP198





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TRIAL PIT RECORD

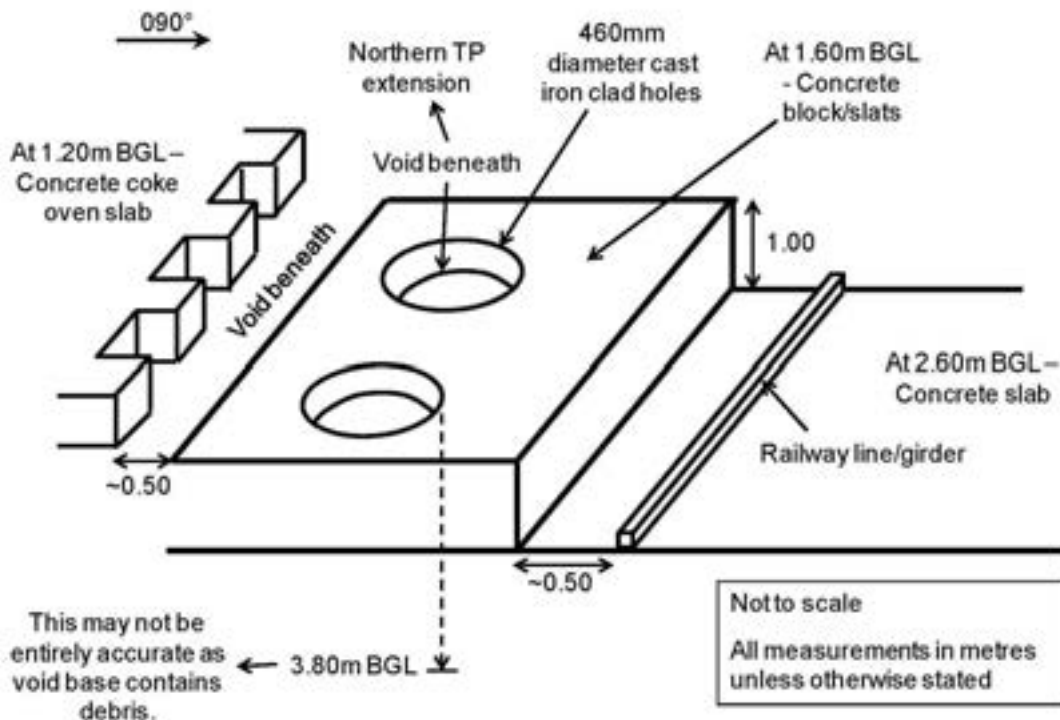
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FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454458.796 N:520990.155		PRAIRIE_AUK_TP198
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.937	Start Date: 27/04/2020	Sheet: 6 of 7

Figure PRAIRIE_AUK_TP198.9
 PRAIRIE_AUK_TP198 - Spoil



Figure PRAIRIE_AUK_TP198.10
 PRAIRIE_AUK_TP198 Sketch





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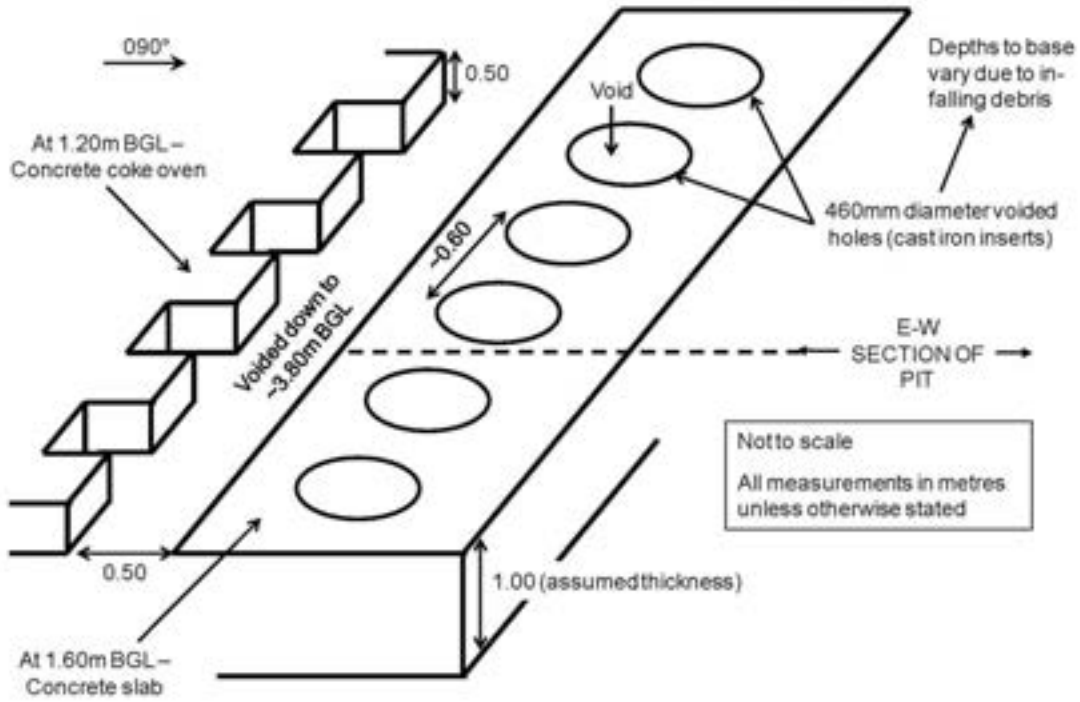
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454458.796 N:520990.155		PRAIRIE_AUK_TP198
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.937	Start Date: 27/04/2020	Sheet: 7 of 7

Figure PRAIRIE_AUK_TP198.11
PRAIRIE_AUK_TP198 Sketch





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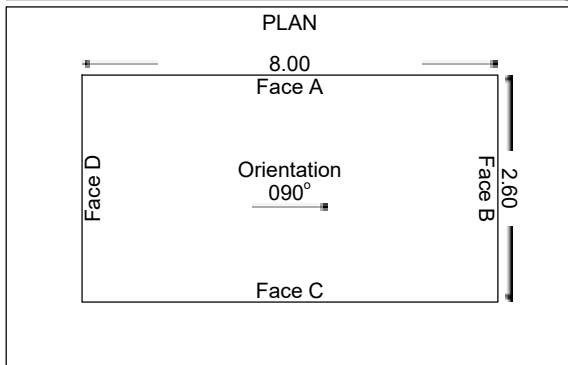
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP199	
Client: South Tees Development Corporation		Location: E:454465.130 N:521024.309	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.209	Start Date: 27/04/2020
		Sheet: 1 of 4	

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
				13.01		0.20 MADE GROUND (Brown grey very sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, sandstone and concrete with many rootlets. Slag content is 25-50%. Slag is vesicular grey).
				(2.80)		MADE GROUND (Red brown black sandy gravel with high cobble and low boulder content and fragments of wood and metal. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, coal, concrete, wood, red brick and slag. Slag content is 0-25%. Cobbles are angular and includes red and yellow brick and concrete (rebar 10-50mm). Boulders are angular and include red and yellow brick sections and concrete (rebar 10-30mm). Slag is vesicular grey green).
				10.21		3.00 MADE GROUND (Concrete and red brick floor).
				9.41		(0.80) 3.80 MADE GROUND (Red brown black sandy gravel with high cobble content and fragments/sections of metal and wood. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, coal, concrete and red brick. Cobbles are angular and include red and yellow brick and concrete).
				8.21		(1.20) 5.00
				8.01		5.20 Firm to stiff red brown grey slightly sandy CLAY. Sand is fine to medium. Complete at 5.20m BGL.



GROUNDWATER
 No groundwater inflow observed.

STABILITY
 Pit sides and base moderately stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
 (1) Various subsurface structures exposed during excavation - refer to following sketch.
 (2) No samples taken.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454465.130 N:521024.309		PRAIRIE_AUK_TP199
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.209	Start Date: 27/04/2020	Sheet: 2 of 4

Figure PRAIRIE_AUK_TP199.1
PRAIRIE_AUK_TP199



Figure PRAIRIE_AUK_TP199.2
PRAIRIE_AUK_TP199





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454465.130 N:521024.309		PRAIRIE_AUK_TP199
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.209	Start Date: 27/04/2020	Sheet: 3 of 4

Figure PRAIRIE_AUK_TP199.3
PRAIRIE_AUK_TP199



Figure PRAIRIE_AUK_TP199.4
PRAIRIE_AUK_TP199 - Spoil





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TRIAL PIT RECORD

Status:-

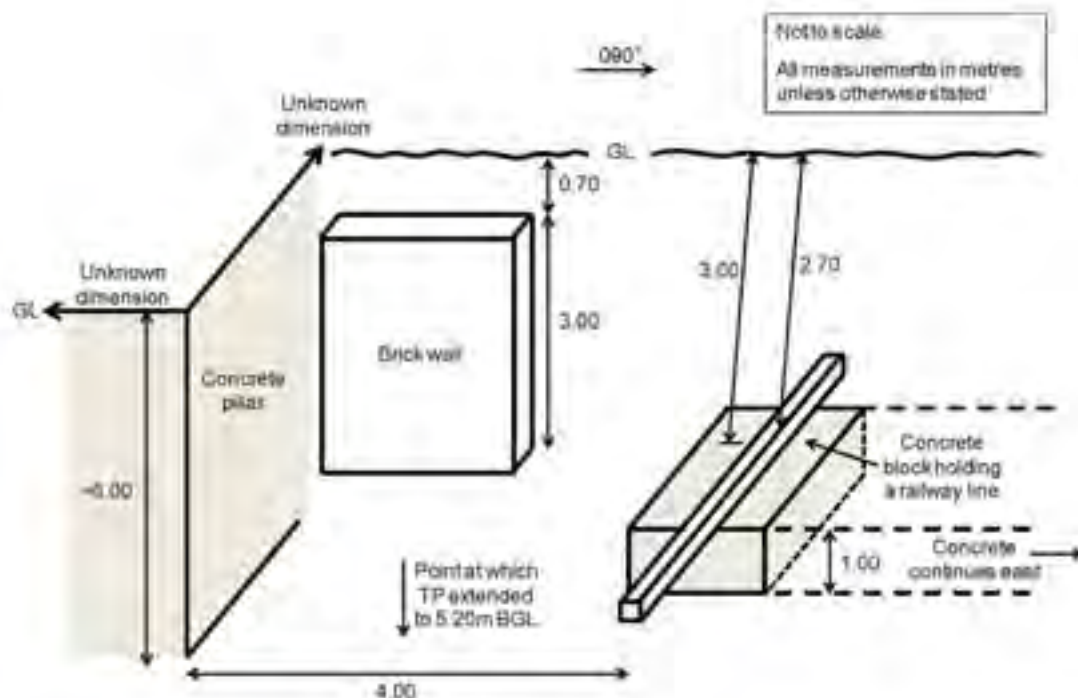
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Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454465.130 N:521024.309		PRAIRIE_AUK_TP199
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.209	Start Date: 27/04/2020	Sheet: 4 of 4

Figure PRAIRIE_AUK_TP199.5
PRAIRIE_AUK_TP199 - Spoil



Figure PRAIRIE_AUK_TP199.6
PRAIRIE_AUK_TP199 Sketch





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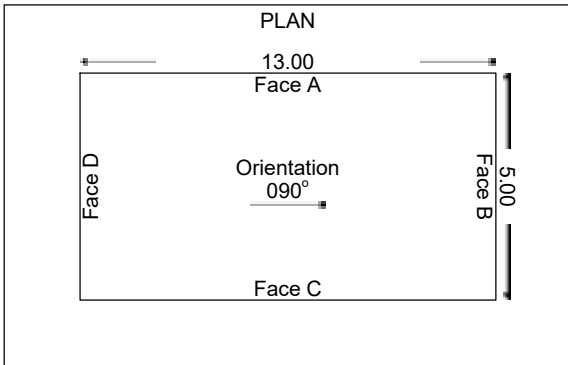
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.		
Client: South Tees Development Corporation		Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200A	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 1 of 6	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				10.33		0.20	MADE GROUND (Brown grey very sandy gravel with medium cobble content with many rootlets. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Cobbles are angular and include red brick. Slag is vesicular grey).
				9.53		1.00	MADE GROUND (Brown grey very sandy gravel with medium cobble content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, concrete and red and yellow brick. Slag content is 25-50%. Cobbles are angular and include red and yellow brick and concrete. Slag is vesicular grey). at c.0.20m BGL ... concrete encountered - extended pit west.
				8.03		2.50	MADE GROUND (Black grey sandy gravel. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes ash, clinker, coke and red brick). at c.2.00m BGL ... concrete in western end of pit - pit extended.
				7.73		2.80	Firm brown grey yellow sandy CLAY. Sand is fine to medium.
							Complete at 2.80m BGL.



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

- (1) Trial pit extended west on slope.
- (2) Structures exposed when extending pit west which were backfilled with material the same as between 0.20-1.00m BGL but with medium boulder content (concrete). Structures bottomed out at 3.50m BGL.
- (3) Various structures exposed during excavation - refer to sketch following PRAIRIE_AUK_TP200B.
- (4) No samples taken.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 2 of 6

Figure PRAIRIE_AUK_TP200A.1
PRAIRIE_AUK_TP200



Figure PRAIRIE_AUK_TP200A.2
PRAIRIE_AUK_TP200





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 3 of 6

Figure PRAIRIE_AUK_TP200A.3
PRAIRIE_AUK_TP200



Figure PRAIRIE_AUK_TP200A.4
PRAIRIE_AUK_TP200





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	

Figure PRAIRIE_AUK_TP200A.5
PRAIRIE_AUK_TP200



Figure PRAIRIE_AUK_TP200A.6
PRAIRIE_AUK_TP200





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 5 of 6

Figure PRAIRIE_AUK_TP200A.7
PRAIRIE_AUK_TP200 - Spoil



Figure PRAIRIE_AUK_TP200A.8
PRAIRIE_AUK_TP200 - Spoil





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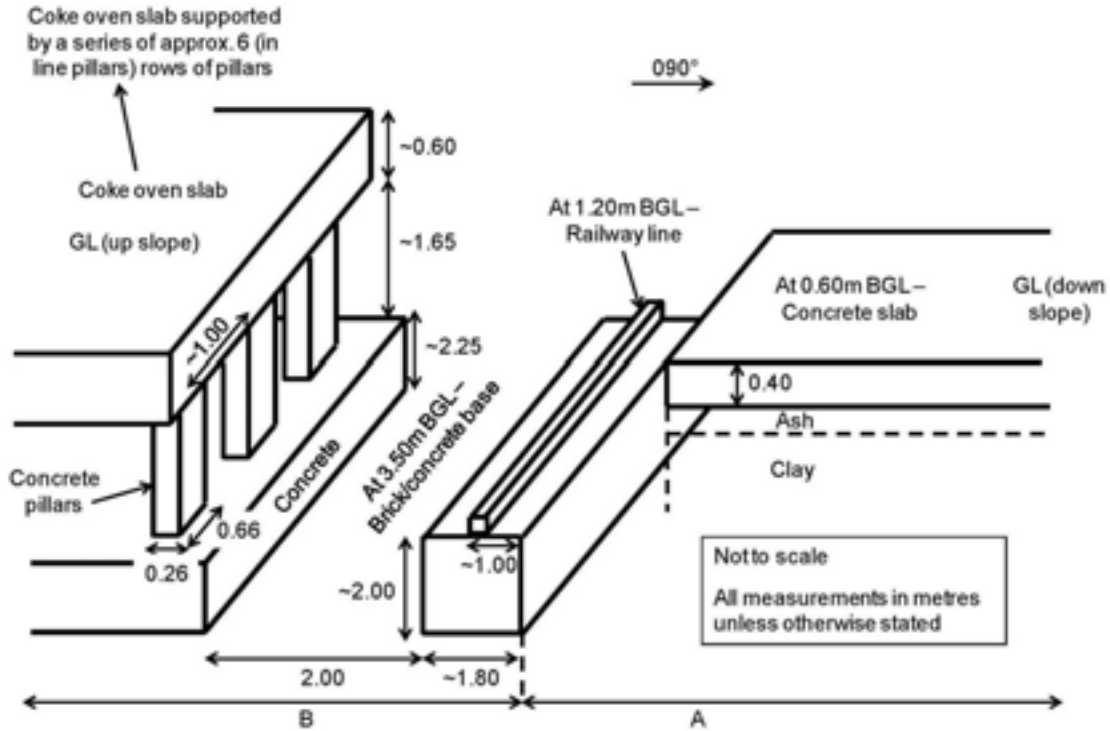
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 6 of 6

Figure PRAIRIE_AUK_TP200A.9
PRAIRIE_AUK_TP200 Sketch





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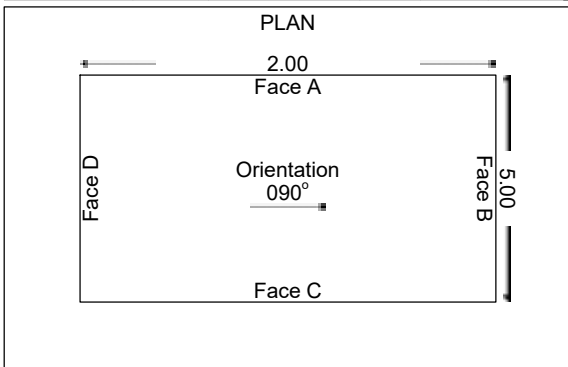
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TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454446.479 N:521086.026	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.527	Start Date: 28/04/2020
		Sheet: 1 of 6	

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
				10.33		0.20	MADE GROUND (Brown grey very sandy gravel with medium cobble content with many rootlets. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Cobbles are angular and include red brick. Slag is vesicular grey).	
							(3.30)	MADE GROUND (Brown grey very sandy gravel with medium cobble and boulder content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, concrete and red and yellow brick. Slag content is 25-50%. Cobbles are angular and include red and yellow brick and concrete. Boulders are angular and include concrete. Slag is vesicular grey).
				7.03			3.50	Terminated at 3.50m BGL - due to concrete/brick base.



GROUNDWATER
 Water strike at 3.50m BGL (slight inflow).

STABILITY
 Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 2 of 6

Figure PRAIRIE_AUK_TP200B.1
PRAIRIE_AUK_TP200



Figure PRAIRIE_AUK_TP200B.2
PRAIRIE_AUK_TP200





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 3 of 6

Figure PRAIRIE_AUK_TP200B.3
PRAIRIE_AUK_TP200



Figure PRAIRIE_AUK_TP200B.4
PRAIRIE_AUK_TP200





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 4 of 6

Figure PRAIRIE_AUK_TP200B.5
PRAIRIE_AUK_TP200



Figure PRAIRIE_AUK_TP200B.6
PRAIRIE_AUK_TP200





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TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 5 of 6

Figure PRAIRIE_AUK_TP200B.7
PRAIRIE_AUK_TP200 - Spoil



Figure PRAIRIE_AUK_TP200B.8
PRAIRIE_AUK_TP200 - Spoil





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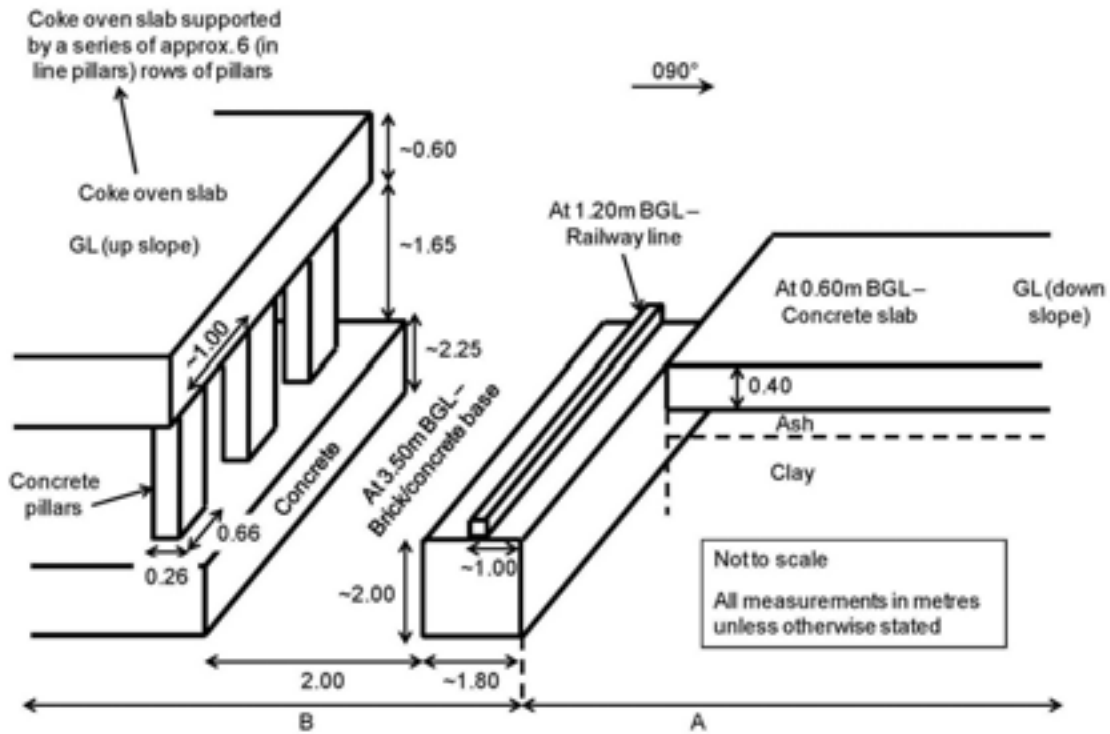
TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454446.479 N:521086.026		PRAIRIE_AUK_TP200B
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 6 of 6

Figure PRAIRIE_AUK_TP200B.9
PRAIRIE_AUK_TP200 Sketch





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Head Office:
Regional Office:

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Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

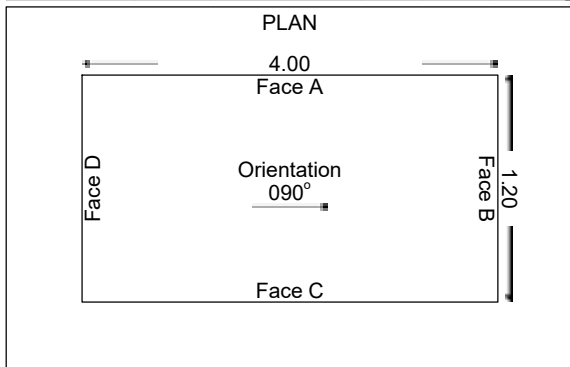
Tel: 0191 387 4700 Fax: 0191 387 4710
Tel: 01772 735 300 Fax: 01772 735 999

TRIAL PIT RECORD

Status:-
FINAL

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP201	
Client: South Tees Development Corporation		Location: E:454512.591 N:520927.507	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 15.534	Start Date: 28/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
3.60	ES1			15.33		0.20	
				(1.20)		MADE GROUND (Brown black grey compacted ash/clinker. Recovered as a sandy gravel. Sand is fine to coarse and predominantly ash. Gravel is fine to coarse subangular and includes ash and clinker).	
				14.13		1.40	MADE GROUND (Brown grey yellow very sandy gravel with high cobble content. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, concrete, sandstone and red and yellow brick. Slag content is 0-25%. Cobbles are angular and include red and yellow brick and concrete. Slag is vesicular grey).
				(1.60)			
				12.53		3.00	MADE GROUND (Yellow grey very clayey sandy gravel with high cobble content. Sand is fine to coarse and is predominantly ash. Gravel is fine to coarse subangular and includes ash, clinker, coke, red brick and sandstone. Cobbles are angular and include sandstone and concrete. Engineer notes strata is mixed slightly (in-situ) with strata above due to gradient of slope).
				(1.40)			
				11.13		4.40	Complete at 4.40m BGL.



GROUNDWATER
No groundwater inflow observed.

STABILITY
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	Sketch Taken	
Photographs:	Yes	See additional sheets.

GENERAL REMARKS
(1) Trial pit excavated into a raised earth bund. All measurements taken from top of slope.

All dimensions in metres Scale 1:50	For explanation of symbols and abbreviations see Key Sheets	Checked by: <i>K.W</i>	Logged by: D. Portsmouth	Contract No. 4251
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Tel: 01772 735 300 Fax: 01772 735 999

TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454512.591 N:520927.507		PRAIRIE_AUK_TP201
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 15.534	Start Date: 28/04/2020	Sheet: 2 of 3

Figure PRAIRIE_AUK_TP201.1
PRAIRIE_AUK_TP201



Figure PRAIRIE_AUK_TP201.2
PRAIRIE_AUK_TP201





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Tel: 0191 387 4700 Fax: 0191 387 4710
Tel: 01772 735 300 Fax: 01772 735 999

TRIAL PIT RECORD

Status:-

FINAL

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454512.591 N:520927.507		PRAIRIE_AUK_TP201
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 15.534	Start Date: 28/04/2020	Sheet: 3 of 3

Figure PRAIRIE_AUK_TP201.3
PRAIRIE_AUK_TP201



Figure PRAIRIE_AUK_TP201.4
PRAIRIE_AUK_TP201 - Spoil



Groundwater Observations Made at the Time of Site Works



ALLIED EXPLORATION & GEOTECHNICS LIMITED

**GROUNDWATER OBSERVATIONS MADE AT THE TIME OF SITE WORKS
(WATER STRIKES)**

Head Office: 100-25 Sheela Var Industrial Estate, Puzosai P.O., Changanassery, Cochin - 686005
 Regional Office: 100-25 Sheela Var Industrial Estate, Puzosai P.O., Changanassery, Cochin - 686005
 Tel: 0472 2511111 Fax: 0472 2511112

Exploratory Hole No.	Date	Depth of Water (m)	Depth of Casing (m)	Depth Sealed (m)	Final Depth (m)	Total Time (mins)	Depth After 5 mins	Depth After 10 mins	Depth After 15 mins	Depth After 20 mins	Remarks
PRASR_AUR_BH101	27/04/2020	3.00	2.60	4.00	2.55	20	2.88	2.64	2.60	2.58	Slow inflow
PRASR_AUR_BH101	28/04/2020	14.60	14.45		12.35	20	14.05	13.72	13.11	12.35	Slow inflow
PRASR_AUR_BH102	15/04/2020	3.00	2.88	4.00	2.85	20	2.95	2.93	2.90	2.88	Water strike (slow inflow)
PRASR_AUR_BH102	16/04/2020	8.50	8.40		4.32	20	6.84	6.11	5.63	4.32	Water strike
PRASR_AUR_BH110	21/04/2020	10.30	10.05	12.50	8.47	20	9.42	9.05	8.75	8.47	Water strike
PRASR_AUR_BH107	06/04/2020	2.00									Water strike
PRASR_AUR_BH108	06/04/2020	2.30									Water strike
PRASR_AUR_BH112	22/04/2020	2.40									Water strike
PRASR_AUR_BH111	05/04/2020	1.70									Water strike
PRASR_AUR_BH115	08/04/2020	0.30									Water strike
PRASR_AUR_BH119	22/04/2020	2.20									Water strike
PRASR_AUR_BH118	20/04/2020	1.30									Water strike

Contract Title :-	Praini Side Ground Investigation Works	Client :-	South Tees Development Corporation
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AEG Contract No. :-	4251	Certificate No. :-	GWOWS/4251/1



ALLIED EXPLORATION & GEOTECHNICS LIMITED

**GROUNDWATER OBSERVATIONS MADE AT THE TIME OF SITE WORKS
(WATER STRIKES)**

Plot No. 20, Sector 10, Gurgaon, Haryana, India. Phone: +91 122 421 1111. Fax: +91 122 421 1112. Email: info@alliedgeotech.com

Exploratory Hole No.	Date	Depth of Water (m)	Depth of Casing (m)	Depth Sealed (m)	Final Depth (m)	Total Time (mins)	Depth After 5 mins	Depth After 10 mins	Depth After 15 mins	Depth After 20 mins	Remarks
PRAIRIE_AUK_TP121	09/04/2020	0.90									Water strike
PRAIRIE_AUK_TP122	08/04/2020	0.30									Water strike (Heavy inflow)
PRAIRIE_AUK_TP123	08/04/2020	0.60									Water strike
PRAIRIE_AUK_TP127	23/04/2020	1.70									Water strike
PRAIRIE_AUK_TP132	02/04/2020	1.90									Water strike
PRAIRIE_AUK_TP133	15/04/2020	1.10									Water strike
PRAIRIE_AUK_TP136	15/04/2020	0.30									Water strike
PRAIRIE_AUK_TP137	15/04/2020	0.50									Water strike
PRAIRIE_AUK_TP139	16/04/2020	0.90									Water strike
PRAIRIE_AUK_TP141	23/04/2020	1.80			1.60						Water strike (Heavy inflow)
PRAIRIE_AUK_TP147	17/04/2020	1.60									Perched water
PRAIRIE_AUK_TP158	14/04/2020	0.60									Water strike

Contract Title :- Prairie Site Ground Investigation Works	Client :- South Tees Development Corporation	AEG Contract No :- 4251	Certificate No :- GWCWS/4251/2
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**GROUNDWATER OBSERVATIONS MADE AT THE TIME OF SITE WORKS
(WATER STRIKES)**

Head Office: 111-113 Main St, Adelaide SA 5000. Tel: 08 847 0000 Fax: 08 847 0711
Regional Office: 111-113 Main St, Adelaide SA 5000. Tel: 08 847 0000 Fax: 08 847 0711

Exploratory Hole No.	Date	Depth of Water (m)	Depth of Casing (m)	Depth Sealed (m)	Final Depth (m)	Total Time (mins)	Depth After 5 mins	Depth After 10 mins	Depth After 15 mins	Depth After 20 mins	Remarks
PRAIRIE_AUG_TP1078	17/04/2020	1.00									Water strike
PRAIRIE_AUG_TP1156	17/04/2020	1.00									Water strike.
PRAIRIE_AUG_TP1190	16/04/2020	0.80									Water strike.
PRAIRIE_AUG_TP1604	16/04/2020	1.20									Water running from brick cable duct in Faces C and D.
PRAIRIE_AUG_TP2008	25/04/2020	3.50									Water strike (Slight inflow).



Contract Title :-	Prairie Site Ground Investigation Works	Client :-	South Tees Development Corporation
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AEG Contract No. :- 4251		Certificate No. :- GWGWS/4251/3	

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Head Office: Unit 25, River Oak Industrial Estate, Patten Way, Consett, Co. Durham, DA7 2NS. Tel: 0191 387 4333 Fax: 0191 387 4716
Regional Office: Unit 20, Business Development Centre, Easing Wood, Blaydon, SR1 3SE. Tel: 01772 726 303 Fax: 01772 726 289

GROUNDWATER OBSERVATIONS MADE AT THE TIME OF SITE WORKS (GROUNDWATER SEEPAGES)

Monitoring Point	Date	Depth (m)	Remarks
PRAIRIE_AIK_TP101	01/04/2020	2.00	Groundwater seepage.
PRAIRIE_AIK_TP114	07/04/2020	0.50	Groundwater seepage.
PRAIRIE_AIK_TP117	23/04/2020	2.50	Groundwater seepage.
PRAIRIE_AIK_TP118	23/04/2020	1.40	Groundwater seepage.
PRAIRIE_AIK_TP120	20/04/2020	1.50	Groundwater seepage.
PRAIRIE_AIK_TP128	17/04/2020	2.70	Slight groundwater seepage (water perched on concrete base).
PRAIRIE_AIK_TP128	17/04/2020	1.00	Saturated strata (slight inflow) at 1.00m BGL. Engineer notes contaminated water seeping from contaminated mudstone pocket into clay.
PRAIRIE_AIK_TP142	23/04/2020	1.20	Saturated strata between 1.00-1.20m BGL (Slight inflow). Water contains globules of oil/contaminants.
PRAIRIE_AIK_TP144	24/04/2020	1.10	Saturated strata (Slight inflow)
PRAIRIE_AIK_TP145	14/04/2020	1.70	Groundwater seepage.
PRAIRIE_AIK_TP148C	14/04/2020	1.20	Groundwater seepage.
PRAIRIE_AIK_TP148A	16/04/2020	1.70	Slight groundwater seepage.
PRAIRIE_AIK_TP150	21/04/2020	0.80	Saturated strata (Slight inflow).
PRAIRIE_AIK_TP150	16/04/2020	1.50	Saturated strata between 0.90-1.50m BGL.
PRAIRIE_AIK_TP152	14/04/2020	2.80	Saturated strata (Heavy inflow).
PRAIRIE_AIK_TP153	14/04/2020	1.10	Saturated strata (Slight inflow).
PRAIRIE_AIK_TP154	16/04/2020	2.40	Saturated strata between 1.20-2.40m BGL (Slow inflow).
PRAIRIE_AIK_TP114	08/04/2020	2.00	Slight groundwater seepage.
PRAIRIE_AIK_TP115	06/04/2020	0.90	Perched water (Slight inflow).
PRAIRIE_AIK_TP117	07/04/2020	1.40	Saturated strata (Heavy inflow)

Contract Title :- **Prairie Site Ground Investigation Works**

Client :- **South Tees Development Corporation**

Certificate No. :- **GWOS/4251/1**

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AEG Contract No. :- **4251**



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:
Regional Office:

Unit 25, West 1st Industrial Estate, Parker Hill, Chesham, Bucks, UK, Dunsmuir, DKO 2BN
Unit 25, Enterprise Development Centre, Easing Street, Banbury, BB1 3BL

Tel: 0121 357 4200 Fax: 0121 357 4719
Tel: 01272 725 888 Fax: 01272 725 999

GROUNDWATER OBSERVATIONS MADE AT THE TIME OF SITE WORKS (GROUNDWATER SEEPAGES)

Monitoring Point	Date	Depth (m)	Remarks
PRARIÉ_AIK_TP178	09/04/2020	1.50	Perched water (Slight inflow)
PRARIÉ_AIK_TP179	09/04/2020	1.20	Saturated strata (Heavy inflow)
PRARIÉ_AIK_TP181	09/04/2020	1.70	Saturated strata (Slight inflow)
PRARIÉ_AIK_TP182	09/04/2020	1.10	Saturated strata (Slight inflow)
PRARIÉ_AIK_TP189	07/04/2020	1.00	Saturated strata (Moderate inflow). Possibly backfilled cellar/basement.
PRARIÉ_AIK_TP192	08/04/2020	1.70	Saturated strata (Heavy inflow)
PRARIÉ_AIK_TP189	07/04/2020	1.30	Perched water (Slight inflow)
PRARIÉ_AIK_TP192	01/05/2020	1.10	Saturated strata (Slight inflow)
PRARIÉ_AIK_TP193	30/04/2020	0.60	Saturated strata (Slow inflow)
PRARIÉ_AIK_TP194	29/04/2020	1.50	Saturated strata (Moderate inflow)
PRARIÉ_AIK_TP198	29/04/2020	1.80	Saturated strata (Heavy inflow)
PRARIÉ_AIK_TP199	29/04/2020	1.80	Saturated strata (Heavy inflow)
PRARIÉ_AIK_TP199	29/04/2020	1.80	Saturated strata (Heavy inflow)
PRARIÉ_AIK_TP199	29/04/2020	1.80	Saturated strata (Heavy inflow)

Contract Title - **Prarié Site Ground Investigation Works**

Client - **South Tees Development Corporation**

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Groundwater Monitoring Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 10 Seabank, Old Durham Road, Felling, Chester-le-Forge, Cheshire, CH3 9JF. Tel: 01772 507 470 Fax: 01772 507 471
 Regional Office: Unit 20 Seabank Development Centre, Tarsuff Wharf, Rainton, East Durham, NE1 5SE. Tel: 01772 795 330 Fax: 01772 725 360

GROUNDWATER MONITORING RESULTS

Monitoring Point	Date and Time	Depth and Type of Well	Ground Level (mAOD)	Water Depth (mBGL)	Reduced Water Level (mAOD)	Remarks
PRAIRIE_AUK_BH101	05/05/2020 00:00	10.00m 19mm SPIE	8.64	2.00	6.64	
PRAIRIE_AUK_BH101	15/05/2020 12:05	10.00m 19mm SPIE	8.64	1.77	6.87	
PRAIRIE_AUK_BH101	30/05/2020 09:27	10.00m 19mm SPIE	8.64	1.69	6.95	
PRAIRIE_AUK_BH101	05/05/2020 00:00	16.50m 50mm SP	8.64	3.00	5.64	
PRAIRIE_AUK_BH101	15/05/2020 12:05	16.50m 50mm SP	8.64	1.76	6.88	
PRAIRIE_AUK_BH101	30/05/2020 09:23	16.50m 50mm SP	8.64	1.64	7.00	
PRAIRIE_AUK_BH102	05/05/2020 00:00	7.20m 50mm SP	8.21	1.10	7.11	
PRAIRIE_AUK_BH102	15/05/2020 14:16	7.20m 50mm SP	8.21	0.83	7.38	
PRAIRIE_AUK_BH102	30/05/2020 09:10	7.20m 50mm SP	8.21	0.90	7.31	
PRAIRIE_AUK_BH103	05/05/2020 00:00	8.50m 50mm SP	7.68	2.25	5.43	
PRAIRIE_AUK_BH103	15/05/2020 11:40	8.50m 50mm SP	7.68	1.71	5.97	
PRAIRIE_AUK_BH103	30/05/2020 08:49	8.50m 50mm SP	7.68	1.92	5.76	
PRAIRIE_AUK_BH104	05/05/2020 00:00	18.50m 50mm SP	6.70	6.40	2.30	
PRAIRIE_AUK_BH104	15/05/2020 14:35	18.50m 50mm SP	6.70	4.05	4.64	
PRAIRIE_AUK_BH104	30/05/2020 11:01	18.50m 50mm SP	6.70	6.21	2.49	
PRAIRIE_AUK_BH105	05/05/2020 00:00	11.00m 50mm SP	8.26	4.60	3.66	
PRAIRIE_AUK_BH105	15/05/2020 15:25	11.00m 50mm SP	8.26	4.40	3.77	
PRAIRIE_AUK_BH105	30/05/2020 12:09	11.00m 50mm SP	8.26	4.61	3.75	
PRAIRIE_AUK_BH106	05/05/2020 00:00	10.00m 50mm SP	8.71	5.94	4.77	
PRAIRIE_AUK_BH106	15/05/2020 14:52	10.00m 50mm SP	8.71	2.73	5.98	

SP = Sample / SPIE = Standpipe/Pressure

Contract Title :- **Prairie Site Ground Investigation Works**

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 Regional Office: Unit 20 Business Development Centre, Eastern Street, Shepparton, VIC 3630. Tel: 03532 729 385 Fax: 03532 729 486

GROUNDWATER MONITORING RESULTS

Monitoring Point	Date and Time	Depth and Type of Well	Ground Level (mAOD)	Water Depth (mBGL)	Reduced Water Level (mAOD)	Remarks
PRAIRIE_AUK_BH100	30/06/2020 11:28	10.00m 50mm SP	8.71	3.28	5.43	
PRAIRIE_AUK_BH107	05/05/2020 00:00	8.00m 50mm SP	10.16	3.16	7.00	
PRAIRIE_AUK_BH107	15/05/2020 12:41	8.00m 50mm SP	10.16	3.21	6.95	
PRAIRIE_AUK_BH107	30/06/2020 13:05	8.00m 50mm SP	10.16	3.12	7.04	
PRAIRIE_AUK_BH108	06/05/2020 06:00	8.00m 19mm SPIE	8.86	2.20	6.66	
PRAIRIE_AUK_BH108	15/06/2020 15:17	8.00m 19mm SPIE	8.86	1.14	7.72	
PRAIRIE_AUK_BH108	30/06/2020 11:55	8.00m 19mm SPIE	8.86	0.55	8.31	
PRAIRIE_AUK_BH108	06/05/2020 08:00	14.00m 50mm SP	8.85	5.00	3.85	
PRAIRIE_AUK_BH108	15/06/2020 15:15	14.00m 50mm SP	8.85	4.91	3.95	
PRAIRIE_AUK_BH108	30/06/2020 11:51	14.00m 50mm SP	8.85	4.91	4.05	
PRAIRIE_AUK_BH109	06/05/2020 00:00	11.80m 50mm SP	12.00	5.44	6.56	
PRAIRIE_AUK_BH109	15/06/2020 13:04	11.80m 50mm SP	12.00	5.97	6.03	
PRAIRIE_AUK_BH109	30/06/2020 13:29	11.80m 50mm SP	12.00	5.72	6.28	
PRAIRIE_AUK_BH110	06/05/2020 00:00	20.80m 50mm SP	7.80	4.00	3.80	
PRAIRIE_AUK_BH110	15/06/2020 12:23	20.80m 50mm SP	7.80	3.84	3.96	
PRAIRIE_AUK_BH110	30/06/2020 09:46	20.80m 50mm SP	7.80	3.87	3.93	

SP = Standpipe - SPIE = Standard Piezometer

Contract Title -> Prairie Site Ground Investigation Works	Client -> South Tees Development Corporation
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Gas Monitoring Results





ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 20 Boscobon Development Centre, (Barnsley Road), Barnsley, South Yorkshire, S70 2BQ. Tel: 01773 751 300 Fax: 01773 751 999
 Regional Office: Unit 10 Binks and Industrial Estate, Polesden Farm, Chesham, Bucks, HP8 4JH. Tel: 01494 600 000 Fax: 01494 600 001

GAS MONITORING RESULTS

Monitoring Point	Date and Time	Weather Condition	Temperature °C	Depth and Type of Well	Drilled Level (m AOD)	Water Depth (m AOD)	Reflowed Water Level (m AOD)	Flow Rate (m³)	O₂ Pressure (kPa)	ATM Pressure (kPa)	Methane % by Vol		Methane % LEL		Carbon Dioxide % by Vol		Oxygen % by Vol	Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	Comments	
											(%)	(ppm)	(%)	(ppm)	(%)	(ppm)					
PM002_AUG_B010	08/05/2020 00:00	Fair	16	15.00m 50mm SP	8.64	2.93	8.64	-1.2	11.13	1028	0.4	0.4	8.0	8.0	0.1	<0.1	18.0	19.8	1.0	4.0	
PM002_AUG_B010	08/05/2020 00:00	Fair	14	10.50m 50mm SP	8.64	3.00	8.64	-0.4	1.53	1028	0.4	0.4	8.0	8.0	0.1	0.1	20.3	20.3	1.0	<0.1	
PM002_AUG_B010	08/05/2020 00:00	Fair	14	7.20m 50mm SP	8.21	1.10	7.11	-5.0	-2.43	1028	0.4	0.4	8.0	8.0	0.1	<0.1	20.5	20.5	1.0	<1.0	
PM002_AUG_B010	15/05/2020 14:18	Overcast	15	7.20m 60mm SP	8.21	0.83	7.38	-0.1	0.33	1016	0.1	0.1	2.0	2.0	0.1	0.1	20.4	20.4	<1.0	1.0	
PM002_AUG_B010	30/05/2020 06:10	Overcast	15	7.20m 50mm SP	8.21	0.60	7.21	0.1	-0.07	1001	<0.1	<0.1	<2.0	<2.0	0.1	0.1	20.5	20.5	<1.0	3.0	
PM002_AUG_B010	08/05/2020 00:00	Fair	14	8.50m 50mm SP	7.88	2.25	8.43	-5.3	-3.36	1028	0.4	0.4	8.0	8.0	0.1	0.1	20.5	20.5	1.0	8.0	
PM002_AUG_B010	08/05/2020 00:00	Fair	14	18.50m 50mm SP	8.70	8.40	2.50	-3.7	-2.08	1028	0.4	0.4	8.0	8.0	0.1	0.1	20.4	20.4	1.0	2.0	
PM002_AUG_B010	15/05/2020 14:28	Overcast	15	18.50m 50mm SP	8.70	4.09	4.84	0.1	-0.09	1018	0.1	0.1	2.0	2.0	0.3	0.3	18.9	18.0	<1.0	8.0	
PM002_AUG_B010	30/05/2020 11:01	Overcast	15	18.50m 50mm SP	8.70	6.21	2.46	0.1	-0.21	1001	0.1	0.1	2.0	2.0	0.3	0.3	18.9	18.8	<1.0	2.0	
PM002_AUG_B010	08/05/2020 00:00	Fair	14	11.00m 50mm SP	8.28	4.80	3.88	0.8	-2.48	1037	0.4	0.4	8.0	8.0	0.1	0.1	20.4	20.4	1.0	<1.0	
PM002_AUG_B010	15/05/2020 15:28	Overcast	15	11.00m 50mm SP	8.28	4.49	3.71	0.1	0.02	1016	0.1	0.1	2.0	2.0	0.3	0.3	18.6	19.0	<1.0	5.0	

See attached Calibration Certificate for Model No. and any other details. SP = Standpipe - SPPE = Standpipe Piezometer. (P) = Peak - (S) = Steady - (D) = Decline.

Contract Title :-	Plaine Site Ground Investigation Works	Client :-	South Tees Development Corporation
Date of Issue :-	05/11/2020	Page No. :-	1 of 3
Approved By :-		Checked By :-	
AEG Contract No. :-	4251	Certificate No. :-	MON/4251/1



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25, South Gate Industrial Estate, Westley Road, Chesham, Bucks, HP80 1JG, UK. Tel: 01753 634400 Fax: 01753 634472
Regional Office: Unit 25, Business Development Centre, Eastern Point, Southampton, SO1 1JG, UK. Tel: 01703 756 800 Fax: 01703 756 899

GAS MONITORING RESULTS

Monitoring Point	Date Test	Weather Condition	Temperature °C	Depth Test (Type of Well)	Drilling Date (m/d/y)	Water Depth (m/d/c)	Reduced Water Level (m/d/c)	Flow Rate (l/m)	Dry Pressure (mbars)	ATM Pressure (mbars)	Methane % v/v		Methane % IEL		Oxygen % v/v		Hydrogen Sulfide (ppm)	Carbon Monoxide (ppm)	Remarks
											(P)	(S)	(P)	(S)	(P)	(S)			
PR001E_AUG_BH106	30/06/2020 12:00	Overcast	15	11.00m 50mm SP	8.26	4.51	3.75	0.1	1002	1002	<0.1	<0.1	0.2	0.2	18.8	19.8	<1.0	4.0	
PR001E_AUG_BH106	06/06/2020 00:00	Fair	14	10.00m 50mm SP	8.71	3.94	8.77	0.6	1027	1027	0.4	0.4	0.0	0.1	20.4	20.4	1.0	<1.0	
PR001E_AUG_BH106	15/06/2020 14:52	Overcast	16	10.00m 50mm SP	8.71	2.73	8.98	0.0	1018	1018	0.1	0.1	2.0	2.0	19.9	19.9	<1.0	2.0	
PR001E_AUG_BH106	30/06/2020 11:28	Overcast	18	10.00m 50mm SP	8.71	3.29	5.43	0.0	1002	1002	<0.1	<0.1	<2.0	<2.0	20.6	20.6	<1.0	2.0	
PR001E_AUG_BH107	06/06/2020 00:00	Fair	14	8.00m 50mm SP	10.15	3.18	7.00	1.1	1027	1027	0.4	0.4	0.0	0.0	19.8	19.8	1.0	2.0	
PR001E_AUG_BH107	15/06/2020 12:41	Overcast	15	8.00m 50mm SP	10.15	3.21	8.95	0.1	1018	1018	0.1	0.1	2.0	2.0	18.8	18.8	<1.0	2.0	
PR001E_AUG_BH107	30/06/2020 13:05	Overcast	15	8.00m 50mm SP	10.16	3.17	7.04	0.1	1002	1002	0.1	0.1	<2.0	<2.0	18.6	18.6	<1.0	3.0	
PR001E_AUG_BH108	06/06/2020 00:00	Fair	14	8.00m 16mm SP/EG	8.88	2.20	8.66	4.4	1007	1007	0.6	0.6	10.0	10.0	20.2	20.2	1.0	<1.0	
PR001E_AUG_BH108	15/06/2020 15:17	Overcast	15	8.00m 16mm SP/EG	8.88	1.14	7.72	0.2	1018	1018	0.1	0.1	2.0	2.0	18.8	18.8	<1.0	1.0	
PR001E_AUG_BH108	30/06/2020 11:55	Overcast	15	8.00m 16mm SP/EG	8.88	0.58	8.51	0.0	1000	1000	<0.1	<0.1	<2.0	<2.0	20.6	20.6	<1.0	<1.0	
PR001E_AUG_BH108	06/06/2020 00:00	Fair	14	14.00m 50mm SP	8.86	3.00	3.86	7.1	1027	1027	0.6	0.5	10.0	10.0	20.1	20.1	1.0	4.0	

See attached Calibration Certificate for Model No. and any other details. SP = Standpipe - SP/EG = Standpipe Piezometer, (P) = Peak - (S) = Steady - (O) = Decline.

Contract Title :-	Prairie Site Ground Investigation Works	Client :-	South Tees Development Corporation
Date of Issue :-	05/11/2020	Page No. :-	2 of 3
Approved By :-		Checked By :-	
AEG Contract No. :-	4251	Certificate No. :-	MON/4251/2



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: 10000 100th Ave, Edmonton, Alberta T5A 0A6, Canada
 Regional Office: 2425 Sunport Development Centre, Edmonton, Alberta T5B 3L2
 Tel: 780-441-2000 Fax: 780-441-2001
 Email: info@allied-geotech.com Website: www.allied-geotech.com

GAS MONITORING RESULTS

Monitoring Point	Date and Time	Weather Condition	Temperature °C	Depth and Type of Well	Ground Level (m AOD)	Water Depth (m AOD)	Reduced Water Level (m AOD)	Flow Rate (m³/d)	O ₂ Pressure (mmHg)	ATM Pressure (mmHg)	Methane % v/v		Carbon Dioxide % v/v		Oxygen % v/v	Hydrogen Sulfide (ppm)	Carbon Monoxide (ppm)	
											(%)	(%)	(%)	(%)				
msumnt_AUG_Bem06	06/06/2020 03:00	Fair	14	11.80m 50mm SP	12.08	6.48	6.66	-1.2	-1.02	-1.02	0.4	0.4	0.0	0.6	0.0	16.0	10.0	1.0
msumnt_AUG_Bem06	15/06/2020 13:04	Overcast	15	11.80m 50mm SP	12.08	6.57	6.12	0.1	0.02	-1.016	0.1	0.1	2.0	1.7	18.4	16.4	1.0	
msumnt_AUG_Bem16	20/06/2020 13:26	Overcast	15	11.80m 50mm SP	12.09	6.72	5.37	0.4	4.19	-1.022	0.5	0.5	10.0	4.0	15.4	16.4	10.0	
msumnt_AUG_Bem16	06/06/2020 09:00	Fair	14	20.60m 50mm SP	7.60	4.00	3.80	-0.8	-2.25	-1.029	0.5	0.5	10.0	0.1	20.4	19.0	3.0	
msumnt_AUG_Bem10	13/06/2020 12:23	Overcast	15	20.60m 50mm SP	7.60	3.64	3.66	0.1	-0.07	-1.016	0.1	0.1	2.0	0.2	11.9	11.9	32.6	
msumnt_AUG_Bem16	20/06/2020 09:46	Overcast	15	20.60m 50mm SP	7.60	3.97	3.03	0.1	-0.21	-1.001	0.1	0.1	3.0	0.4	9.6	9.9	13.9	

See attached Calibration Certificate for Model No. and any other details. SP = Standpipe - SPM = Standpipe Piezometer. (P) = Peak - (B) = Steady - (D) = Decline.

Contract Title :- Prairie Site Ground Investigation Works	Client :- South Tees Development Corporation	AEG Contract No. :- 4251
Date of Issue :- 05/11/2020	Checked By :- 	Certificate No. :- MON/4251/3
Approved By :- 		



CERTIFICATION OF CALIBRATION



Date Of Calibration: 09-Mar-2020

Issued by: QED Environmental Systems Ltd.

Certificate Number: G506066_2/25251

Customer: Allied Exploration & Geotechnics Ltd
25 Stella Gill Industrial Estate Pelton Fell Chester Le Street
County Durham DH2 2RG UNITED KINGDOM

Description: Gas Analyser

Model: GAS000

Serial Number: G506066

UKAS Accredited results:

Results after adjustment :

Methane (CH ₄)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.41
15.0	15.0	0.64
50.0	49.6	0.94

Carbon Dioxide (CO ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.43
15.0	14.8	0.70
50.0	50.3	1.1

Oxygen (O ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.3	21.4	0.31

The inwards assessment was carried out 02-Mar-2020.

The maximum adjustment is larger than the inwards assessment uncertainty.

Inwards assessment data is available if requested.

All concentrations are molar.

CH₄, CO₂ readings recorded at : 32.5 °C ± 2.5 °C

O₂ readings recorded at : 24.0 °C ± 2.5 °C

Barometric Pressure : 1002 mbar ± 4 mbar

Method of Test : The analyser is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure LP004.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance: 108 IGC Instance: 108

Page 1 of 2 | LP015GIUKAS-2.4

www.qedenv.com +44 (0) 333 800 0088 sales@qedenv.co.uk

QED Environmental Systems Ltd, Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QF, UNITED KINGDOM

Registered in England and Wales 1898134

CERTIFICATION OF CALIBRATION



Date Of Calibration: 09-Mar-2020

Certificate Number: G506066_2/25251

Issued by: QED Environmental Systems Ltd.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrations marked 'Non-UKAS Accredited results' on this certificate have been included for completeness.

Non-UKAS accredited results after adjustment:

Barometer (mbar)	
Reference	Instrument Reading
1002	1002

Additional Gas Cells		
Gas	Certified Gas (ppm)	Instrument Reading (ppm)
CO	504	509
H ₂ S	262	262

Date of issue : 11-Mar-2020

Approved by Signatory

Laura McBride

Laboratory Inspection

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:108 IGC Instance:108

Page 2 of 2 | LPO15GIUKAS-2.4

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QED Environmental Systems Ltd, Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

Registered in England and Wales 2898794

CERTIFICATION OF CALIBRATION



Date Of Calibration: 18-Jun-2020

Certificate Number: G506065_2/25880

Issued by: QED Environmental Systems Ltd.

Customer: Allied Exploration & Geotechnics Ltd
25 Stella Gill Industrial Estate Pelton Fell Chester Le Street
County Durham DH2 2RG UNITED KINGDOM

Description: Gas Analyser

Model: GA5000

Serial Number: G506065

UKAS Accredited results:

Results after adjustment :

Methane (CH ₄)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.41
15.0	15.0	0.64
60.0	59.8	0.94

Carbon Dioxide (CO ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.43
15.0	14.8	0.70
39.9	40.0	1.1

Oxygen (O ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.1	21.2	0.31

The inwards assessment was carried out 14-May-2020.

The maximum adjustment is larger than the inwards assessment uncertainty.

Inwards assessment data is available if requested.

All concentrations are molar.

CH₄, CO₂ readings recorded at : 32.5 °C ± 2.5 °C

O₂ readings recorded at : 22.8 °C ± 2.5 °C

Barometric Pressure : 1000 mbar ± 4 mbar

Method of Test : The analyser is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure LP004.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:109 IGC Instance:109

Page 1 of 2 | LP015G/UKAS-2.4

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QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QR, UNITED KINGDOM

Registered in England and Wales 3898734

CERTIFICATION OF CALIBRATION



Date Of Calibration: 18-Jun-2020

Certificate Number: G506065_2/25880

Issued by: QED Environmental Systems Ltd.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrations marked 'Non-UKAS Accredited results' on this certificate have been included for completeness.

Non-UKAS accredited results after adjustment:

Barometer (mbar)	
Reference	Instrument Reading
1000	1001

Internal Flow	
Applied (l/hr)	Instrument Reading (l/hr)
5.0	5.1
10.0	9.9

Date of Issue : 19-Jun-2020

Approved by Signatory

Laura McBride
Laboratory Inspection

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:109 IGC Instance:109

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QED Environmental Systems Ltd, Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

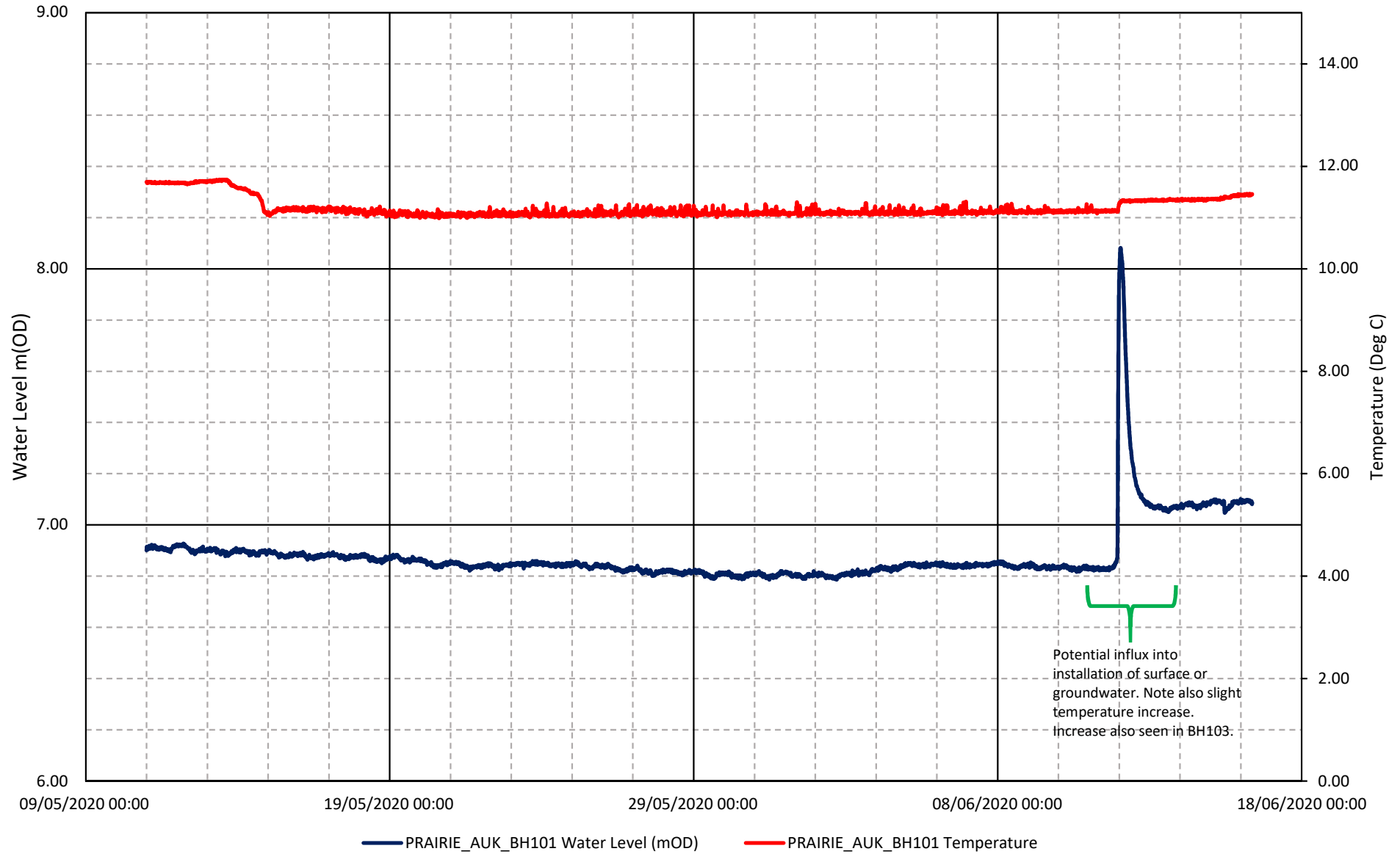
Registered in England and Wales 1894734

Continuous Groundwater/Tidal Monitoring Results



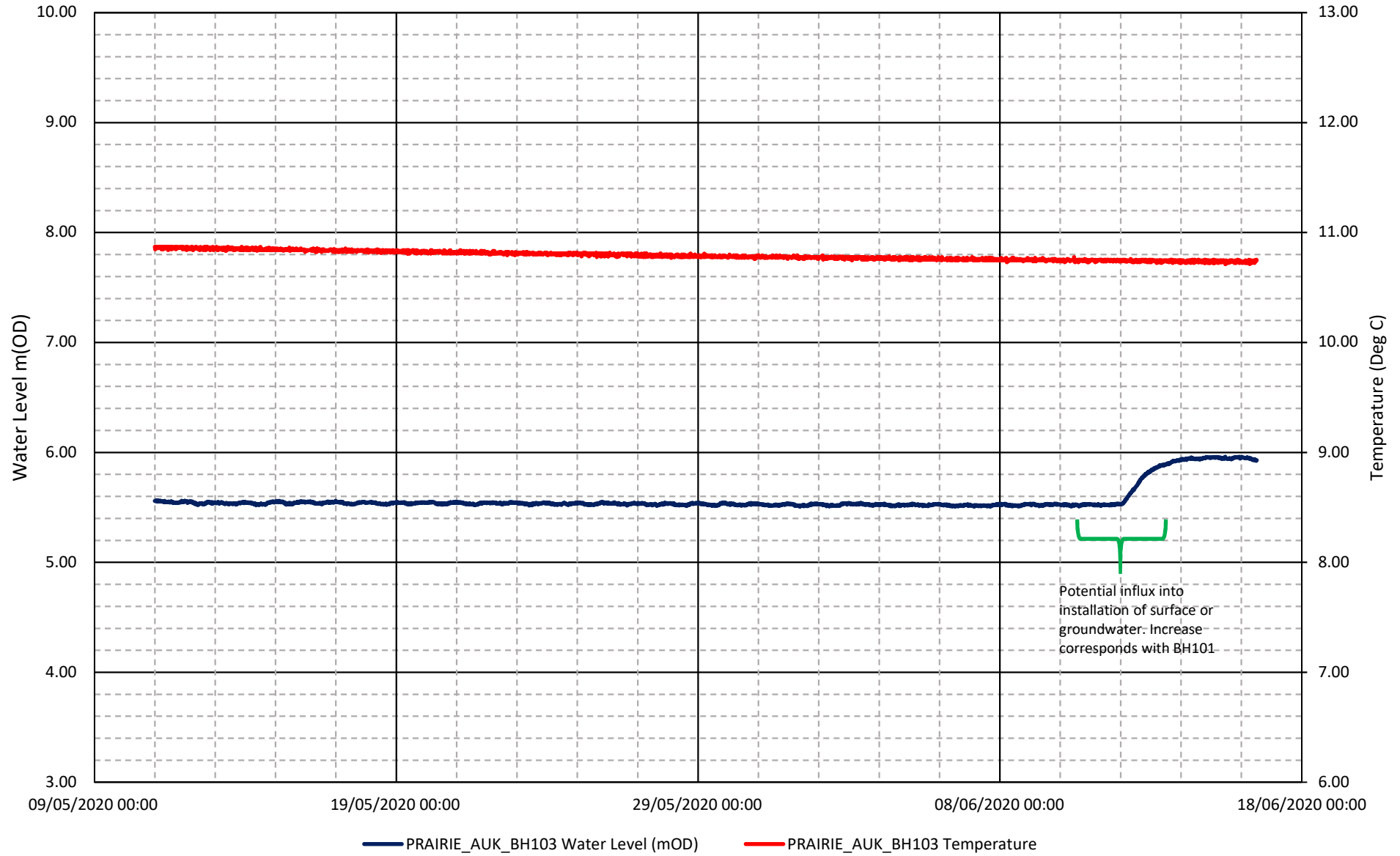
GROUNDWATER MONITORING DATA

GROUNDWATER MONITORING DATA



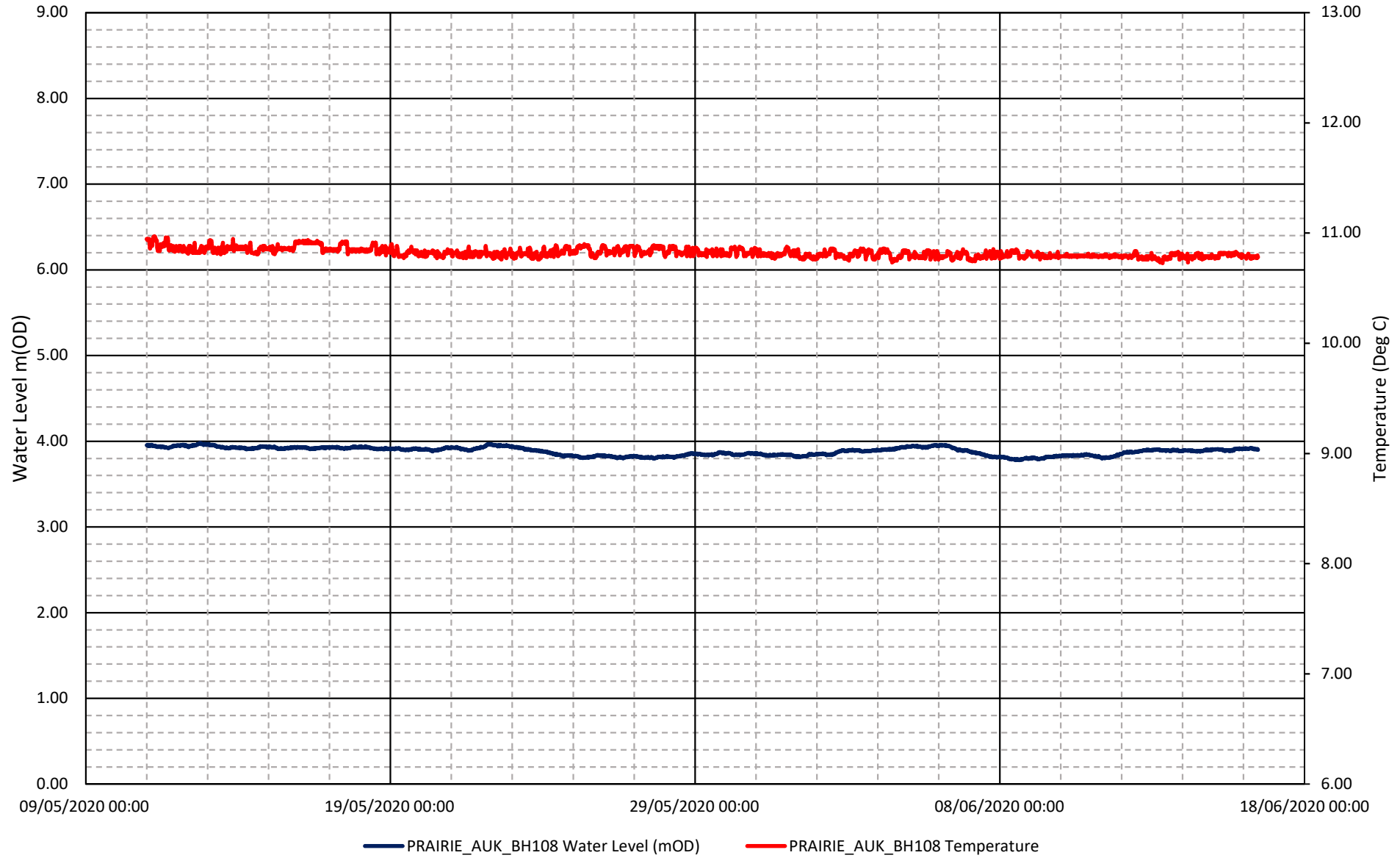
GROUNDWATER MONITORING DATA

GROUNDWATER MONITORING DATA



GROUNDWATER MONITORING DATA

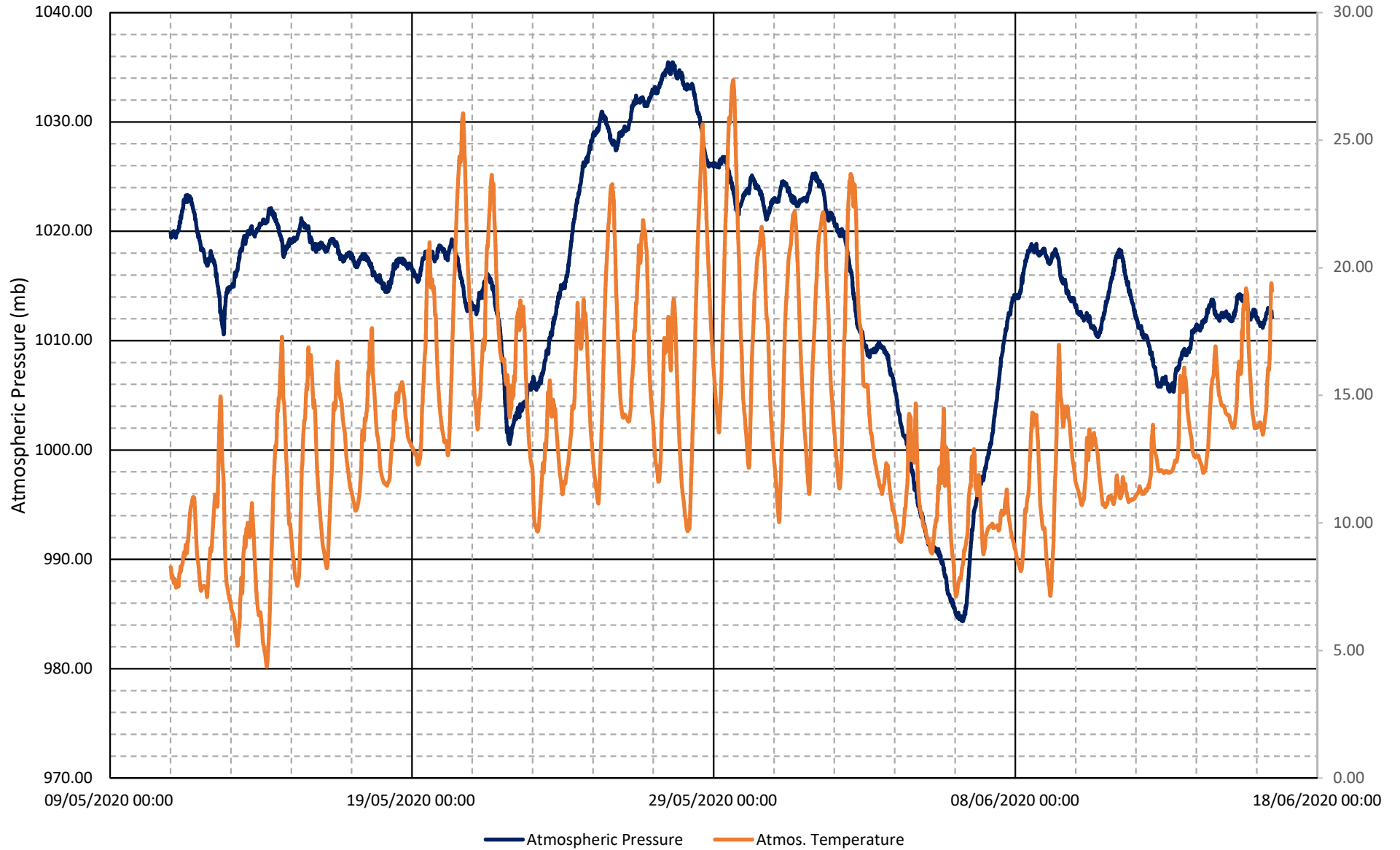
GROUNDWATER MONITORING DATA



Title: Prairie Site Ground Investigation Works
Contract No: 4251
Client: South Tees Development Corporation
Printed: 05/11/2020

GROUNDWATER MONITORING DATA

ATMOSPHERIC PRESSURE MONITORING DATA



Title: Prairie Site Ground Investigation Works
Contract No: 4251
Client: South Tees Development Corporation
Printed: 05/11/2020

In-situ Test Report Certificate



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Stella Oil Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG - Tel: 0191 3874700 Fax: 0191 3874710
Regional Office: Unit 20 Business Development Centre, Epsom/Wheat, Blockbury, BB1 5BC - Tel: 01254 503 200 Fax: 01254 602 190



IN-SITU TESTING REPORT CERTIFICATE



Contract Title: Prairie Site Ground Investigation Works

AEG Reference: 4251

Client Address: South Tees Development Corporation

I certify that *In-situ* testing was carried out on the above contract in accordance with techniques outlined in BS 1377: 1990: Part 9 or other appropriate standards as quoted, and the following results, given on the attached enclosures, were obtained.

The tests carried out are indicated in the attached table showing the enclosure number and the total number of pages.

For and on behalf of Allied Exploration & Geotechnics Limited

- Nick Vater (Managing Director)
 Kerry Wade (Technical Manager)

Signed

Date: 05 November 2020

Tests marked not UKAS accredited in this certificate are not included in the UKAS accreditation schedule for our laboratory. Any opinions and interpretations expressed herein are outside the scope of the laboratory's UKAS accreditation

IN-SITU TESTING REPORT CERTIFICATE

ENCLOSURES

Enclosure Number	Description	UKAS Accredited	Reference	No. of Pages
0	Test Report Certificate	N/A		2
1	Standard Penetration Test Results (SPT)	Yes	BS 1377 Part 9 1990	15
2	Hand Shear Vane Test Results	No		7
3	Photo-Ionisation Detector Test Results	No		7
4	<i>In-situ</i> Water Quality Parameter Test Results	No		9
5	Hydraulic Conductivity Slug Test Results	No		15
-	Density by Core Cutter Method	Yes	BS 1377 Part 9 1990	-
-	Determination of the Vane Shear Strength (Down the Hole)	Yes	BS 1377 Part 9 1990	-
-	Shallow Pad (skip) Load Test Results	No	BS 1377 Part 9 1990	-
-	Determination of the California Bearing Ratio	Yes	BS 1377 Part 9 1990	-
-	Plate Loading Test Results	No	BS 1377 Part 9 1990	-
-	Apparent Resistivity of Soil	No	BS 1377 Part 9 1990	-
-	Redox Potential of Soil	No	BS 1377 Part 9 1990	-
-	Determination of the Soil Infiltration Rate for Spokaway Design	No	BRE Digest 385 1991	-

Standard Penetration Test Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED


Units 23, Broomfield Close, Broomfield, Essex, UK. Tel: 01702 343000 Fax: 01702 343001
 Unit 20, Broomfield Development Centre, Turpin Way, Basildon, Essex, UK. Tel: 01702 705 900 Fax: 01702 705 901

STANDARD PENETRATION TEST RESULTS

(BS EN ISO 22476-3: 2005)

Exploratory Hole No.	Tail Depth (Reference Level)	Water Depth (Ground Level)	Rod Length	SPT Hammer Fall	SCALED DRIVE						TEST DRIVE								Energy Meter Cor	Pen position	SPT Value (Layer No.)	SPT Value	Remarks				
					Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows						Pen	Blows	Pen	Blows
EXP001_AUG_01101	4.00 (4.54)	Dry (3.50)	4.00	41x65	75	2	75	3	150	5	15	3	75	3	225	6	75	6	300	13	6	5	23.06	13	6	5	
	6.00 (2.54)	Dry (3.50)	6.00	41x65	75	2	75	3	150	6	75	3	75	4	300	5	75	5	300	17	17	6	17.65	17	12	6	
EXP002_AUG_01101	9.00 (0.96)	Dry (0.30)	9.00	41x65	75	2	75	2	150	5	75	5	75	5	300	5	75	5	300	18	18	6	15.07	18	18	6	
	12.00 (1.38)	Dry (12.30)	12.00	41x65	75	8	75	10	450	19	75	22	75	34	255	28	60	30	205	100	-	5	2.85	-	-	5	
EXP003_AUG_01101	14.00 (0.30)	Dry (13.50)	14.00	41x65	75	18	75	18	450	32	75	28	75	22	165	27	60	29	265	100	-	6	2.85	-	-	6	
	15.00 (0.96)	11.26 (15.30)	15.00	41x65	75	12	75	20	450	37	75	25	75	32	240	30	70	15	245	100	-	5	2.45	-	-	5	
EXP004_AUG_01101	17.00 (0.35)	12.08 (18.80)	17.00	41x65	75	17	75	16	450	27	75	5	75	8	18	12	70	26	100	85	5.45	5.45	5.45	5.45	47	5	
	19.00 (0.36)	13.17 (17.82)	19.00	41x65	75	30	75	20	450	50	75	20	75	600					25	100	0.25	0.25	0.25	0.25	1	5	
EXP005_AUG_01101	19.40 (0.78)	11.02 (19.20)	19.40	41x65	75	15	75	15	450	30	75	20	75	100					20	100	0.20	0.20	0.20	0.20	1	5	
	21.50 (0.18)	Dry (2.30)	21.50	41x65	75	2	75	3	450	5	75	4	75	4	75	5	75	6	300	20	0.74	0.65	15.00	20	13	5	

NOTE: Please refer to calculation certificate for additional information and corresponding Exploratory Hole record for scaling details. Unrecorded and corrected SPTV values are presented on the attached graphical plot relative to each Exploratory Hole.

	Contract Title :- Prairie Site Ground Investigation Works		Client :- South Tees Development Corporation		AEG Contract No :- 4251	
	Date of issue :- 05/11/2020		Page No :- 1 of 5		Certificate No :- SPT/4251/1	
Checked By :- <i>LC</i>		Approved By :- <i>AW</i>				

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25 Pringle Court Industrial Estate, Pringle Road, Chorleywood, GL53 0JG, Gloucestershire
 Regional Office: Unit 22 Business Development Centre, Elwyn Way, Stourport, WR9 5SL, Worcestershire

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No	Test Depth (Reduced Level)	Water Depth (Correct)	Rod Length	SPT Hammer Fall	Energy Ratio (%)	SEATING DRIVE												TEST DRIVE												Total Pen	Total Blows	Rod Length Cor _f	Energy Ratio Cor _f	Pen (mm)	SPTF Value	SPTF Value (Corr)	Remarks
						Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows												
PR1000_AUG_00010	0.50 (2.18)	Dry (0.30)	5.50	4.00	51	75	3	75	4	150	1	75	5	75	5	75	5	75	5	75	6	75	5	300	21	0.82	0.85	14.29	21	15	5						
PR1000_AUG_00011	0.50 (0.82)	Dry (0.30)	8.50	4.00	51	75	4	75	5	150	9	75	8	75	6	75	10	75	10	75	11	300	37	300	37	0.54	0.85	8.11	37	30	5						
PR1000_AUG_00012	11.50 (2.02)	Dry (13.30)	11.50	17.00	51	75	0	75	17	150	23	75	28	75	16	75	18	75	18	75	20	300	80	300	80	1.00	0.85	3.75	96	96	5						
PR1000_AUG_00013	13.00 (4.32)	Dry (12.80)	13.00	18.00	51	75	0	75	18	150	25	75	25	75	41	50	34					200	100	200	100	1.00	0.85	2.00	-	-	5						
PR1000_AUG_00014	13.50 (5.82)	Dry (13.30)	13.50	20.00	51	75	22	75	20	150	48	75	47	75	53							330	100	330	100	1.00	0.85	3.30	-	-	5						
PR1000_AUG_00015	7.00 (1.70)	Dry (6.80)	7.00	7.00	51	75	5	75	5	150	10	75	6	75	6	75	8	75	8	75	10	300	32	300	32	0.88	0.85	9.38	32	24	5						
PR1000_AUG_00016	10.00 (3.30)	Dry (9.80)	10.00	12.00	51	75	0	75	7	150	13	75	9	75	9	75	9	75	9	75	10	300	36	300	36	1.00	0.85	8.33	36	31	5						
PR1000_AUG_00017	12.00 (3.30)	Dry (11.80)	12.00	18.00	51	75	0	75	18	150	26	75	16	75	34	75	31	75	31	75	28	270	100	270	100	1.00	0.85	2.70	-	-	5						
PR1000_AUG_00018	13.00 (4.30)	Dry (12.80)	13.00	20.00	51	75	10	75	20	150	30	75	23	75	34	75	42					225	100	225	100	1.00	0.85	2.25	-	-	5						
PR1000_AUG_00019	4.00 (4.20)	Dry (4.20)	4.00	4.00	51	75	2	75	3	150	5	75	3	75	3	75	3	75	3	75	4	300	13	300	13	0.75	0.85	23.08	13	8	5						

NOTE: Please refer to calculation certificate for additional information and corresponding Exploratory Hole record for sampling details. Unconnected and corrected SPTF₁ values are presented on the attached graphical plot (relative to each Exploratory Hole).

	Contract Title :-		Client :-		AEG Contract No :-	
	Praine Site Ground Investigation Works		South Tees Development Corporation		4251	
Date of Issue :-		Checked By :-		Approved By :-		Certificate No. :-
05/11/2020		LC		XW		
Page No. :-		2 of 5				


ALLIED EXPLORATION & GEOTECHNICS LIMITED

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Regional Office: Unit 25 Dunrobin Development Centre, Easingwold, East Yorkshire, UK. Tel: 01752 774300 Fax: 01752 752 699

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No.	Test Depth (Referenced Level)	Water Content (Clayey)	Rod Length	SPT Hammer Eff.	SEATING DRIVE								TEST DRIVE								Energy Ratio Cor	Rod Length Cor	Energy Ratio Cor	Penetration	SPT Value	SPT Value (Corr)	Block or Core	Remarks							
					No	mm	No	mm	No	mm	No	mm	No	mm	No	mm	No	mm	No	mm									No	mm	Total Blows	Total Pen	Total Blows	Total Pen	
PR1602_AUG_00001	0.50 (1.70)	Dry (0.30)	0.90	41kN	3	75	4	150	7	75	4	75	4	75	4	75	4	75	4	75	4	75	4	75	6	300	19	14	5						
PR1602_AUG_00002	0.50 (1.24)	4.32 (9.30)	0.90	41kN	12	75	23	150	35	75	28	75	38	26																					
PR1602_AUG_00003	11.00 (2.74)	2.50 (10.00)	1.30	41kN	60			50	60	72	100																								
PR1602_AUG_00004	11.20 (2.04)	7.89 (11.00)	1.20	41kN	50	50		50	50	66	100																								
PR1602_AUG_00005	7.00 (1.71)	Dry (0.50)	7.00	41kN	5	75	9	150	10	75	5	75	6	7	7	75	9	75	7	75	9	75	9	75	9	300	27	20	5						
PR1602_AUG_00006	10.00 (1.25)	Dry (0.60)	10.00	41kN	5	75	10	150	15	75	15	75	12	75	12	75	12	75	12	75	12	75	12	75	12	300	52	44	5						
PR1602_AUG_00007	10.50 (1.70)	Dry (10.30)	10.50	41kN	80			75	80	40	100																								
PR1602_AUG_00008	4.00 (0.16)	1.63 (2.46)	4.00	41kN	3	75	3	150	5	75	3	75	4	5	5	75	5	75	5	75	5	75	5	75	5	300	17	11	5						
PR1602_AUG_00009	6.50 (2.66)	Dry (0.30)	6.60	41kN	3	75	3	150	8	75	3	75	4	5	5	75	4	75	5	75	5	75	5	75	5	300	17	12	5						
PR1602_AUG_00010	9.00 (1.16)	Dry (7.60)	9.00	41kN	25	50	25	110	50	40	100																								

NOTE: Please refer to calibration certificate for additional information and corresponding Exploratory Hole record to sampling details. Unconnected and corrected SPTN values are presented on the attached graph and relative to each Exploratory Hole.

	Contract Title :- Prairie Site Ground Investigation Works		Client :- South Tees Development Corporation		AEG Contract No :- 4251	
	Date of Issue :- 05/11/2020	Page No. :- 3 of 5	Checked By :- <i>LC</i>	Approved By :- <i>KW</i>	Certificate No. :- SPT/4251/3	



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 25, Birchley Way, Brierley Hill, Birmingham, B37 7YU
 Regional Office: Unit 25, Business Development Centre, Epsom Water, Broomfield, Essex, SS16 5BL

STANDARD PENETRATION TEST RESULTS

(BS EN ISO 22476-3: 2005)

Exploratory Hole No.	Test Depth (Reduced Level) m	Moist. Contn. (w) %	Rod Length m	SPT Hammer Hit	Energy Ratio E _s %	SEATING DRIVE												TEST DRIVE												Penetration	SPT Value (COR) No.	Shape of Core	Remarks
						Blow		Pen		Blow		Pen		Blow		Pen		Blow		Pen		Energy Ratio Cor	Rod Length Cor										
						No.	mm	No.	mm	No.	mm	No.	mm	No.	mm	No.	mm	No.	mm	No.	mm			Total Blows	Total Pen (mm)								
PH001	3.50 (0.30)	Dry (0.30)	0.60	1	15	3	180	4	75	3	75	3	75	3	75	3	75	4	300	13	0.85	0.74	20.08	13	0								
PH002	5.50 (0.30)	Dry (0.30)	0.50	2	75	3	180	5	75	0	75	12	75	14	75	21	300	40	300	40	0.85	0.82	8.12	40	0								
PH003	7.00 (1.00)	Dry (0.60)	7.00	0	75	8	180	16	75	15	75	17	75	20	75	21	300	70	300	70	0.85	0.86	3.85	70	0								
PH004	8.00 (0.30)	Dry (0.30)	8.00	0	50	100	70	60	35	100	70	60	35	100	70	60	35	100	65	100	65	0.85	0.84	0.58	65	0							
PH005	9.00 (0.14)	Dry (0.60)	9.00	0	50	100	35	50	40	100	35	50	40	100	35	50	40	100	40	100	40	0.85	0.86	0.40	40	0							
PH006	2.00 (10.00)	Dry (1.00)	2.00	3	75	3	180	5	75	3	75	3	75	4	75	5	300	15	300	15	0.85	0.88	20.00	15	0								
PH007	4.00 (0.00)	Dry (0.80)	4.00	2	75	3	180	4	75	3	75	3	75	4	75	5	300	21	300	21	0.85	0.76	14.29	21	0								
PH008	6.00 (0.00)	Dry (0.60)	6.00	0	75	0	180	20	75	53	35	47					110	100	100	100	0.85	0.84	1.10	100	0								
PH009	8.50 (5.50)	Dry (0.30)	8.50	50	50	60	50	50	40	100							45	100	100	100	0.80	0.80	0.40	100	0								
PH010	6.50 (1.30)	Dry (0.30)	6.50	3	75	3	180	6	75	3	75	3	75	3	75	4	300	13	300	13	0.85	0.86	20.08	13	0								

NOTE: Please refer to calculation articles for accurate information and corresponding Exploratory Hole word for sampling details. Unconnected and corrected SPTV values are presented on the attached graph and relative to each Exploratory Hole.

	Contract Title :- Prairie Site Ground Investigation Works	Client :- South Tees Development Corporation	AEG Contract No :- 4251
	Date of Issue :- 05/11/2020	Page No. :- 4 of 5	Certificate No. :- SPT/4251/4
Checked By :- <i>LC</i>		Approved By :- <i>AW</i>	

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 30 Brimley Industrial Estate, Parkway, Chester-le-Strade, Ch. Doubles, DO-2 3HS
 Regional Office: Unit 30 Cullinane Development Centre, Elms Way, Stockton, ST1 3SE

STANDARD PENETRATION TEST RESULTS

(BS EN ISO 22476-3: 2005)

Exploratory Hole No.	Test Depth (Measured Level)			Water Depth (Casing)	Penetration	SPT Blows per Foot		Energy Ratio E_r	SEATING DRIVE										TEST DRIVE							SPT Values	SPT Value (Corr)	Remarks											
	ft	m	ft			Blows			Pen		Blows		Pen		Blows		Pen		Total Blows	Total Pen	No	mm	No	mm	No				mm	No	mm	No	mm	No	mm	No	mm		
						Prt	Blows		Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows	Pen	Blows																				Pen	Blows
100000_AUG_08010	0.50 (0.15)	0.61	0.00	Dry (0.30)	14.00	3	15	8	150	9	75	9	75	9	75	9	75	9	75	9	75	10	140	34	75	34	300	45	0.65	0.65	5.00	48	-	-	-	-	-	0	0
100000_AUG_08010	1.25	12.50	12.50	Dry (12.30)	14.00	9	75	17	150	27	75	15	75	15	75	15	75	15	75	15	75	26	75	41	300	66	1.00	0.85	3.00	68	123	-	-	-	-	-	0	0	
100000_AUG_08010	1.80	18.00	18.00	8.74 (13.60)	14.00	15	75	19	150	34	75	25	75	27	70	42	-	-	-	-	-	-	-	220	100	1.00	0.85	2.20	-	-	-	-	-	-	-	-	0	0	
100000_AUG_08010	15.00	15.00	15.00	7.00 (14.80)	15.00	46	50	-	86	50	70	100	-	-	-	-	-	-	-	-	-	-	70	100	1.00	0.85	0.70	-	-	-	-	-	-	-	-	-	-	0	0
100000_AUG_08010	15.50	15.50	15.50	7.39 (15.30)	15.50	35	50	-	35	50	100	-	-	-	-	-	-	-	-	-	-	-	53	100	1.00	0.85	0.50	-	-	-	-	-	-	-	-	-	-	0	0

NOTE: Please refer to detailed schedule for additional information and corresponding Exploratory Hole record for sampling details. Unconnected and corrected SPTV values are presented on the attached graphical plot relative to each Exploratory Hole

Contract Title: **Pravle Site Ground Investigation Works** Client: **South Tees Development Corporation** AEG Contract No: **4251**

Date of Issue: **05/11/2020** Page No: **5 of 5** Checked By: *LC* Approved By: *dw* Certificate No: **SPT/4251/5**

AEG **UKAS** 1367

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:
Regional Office:

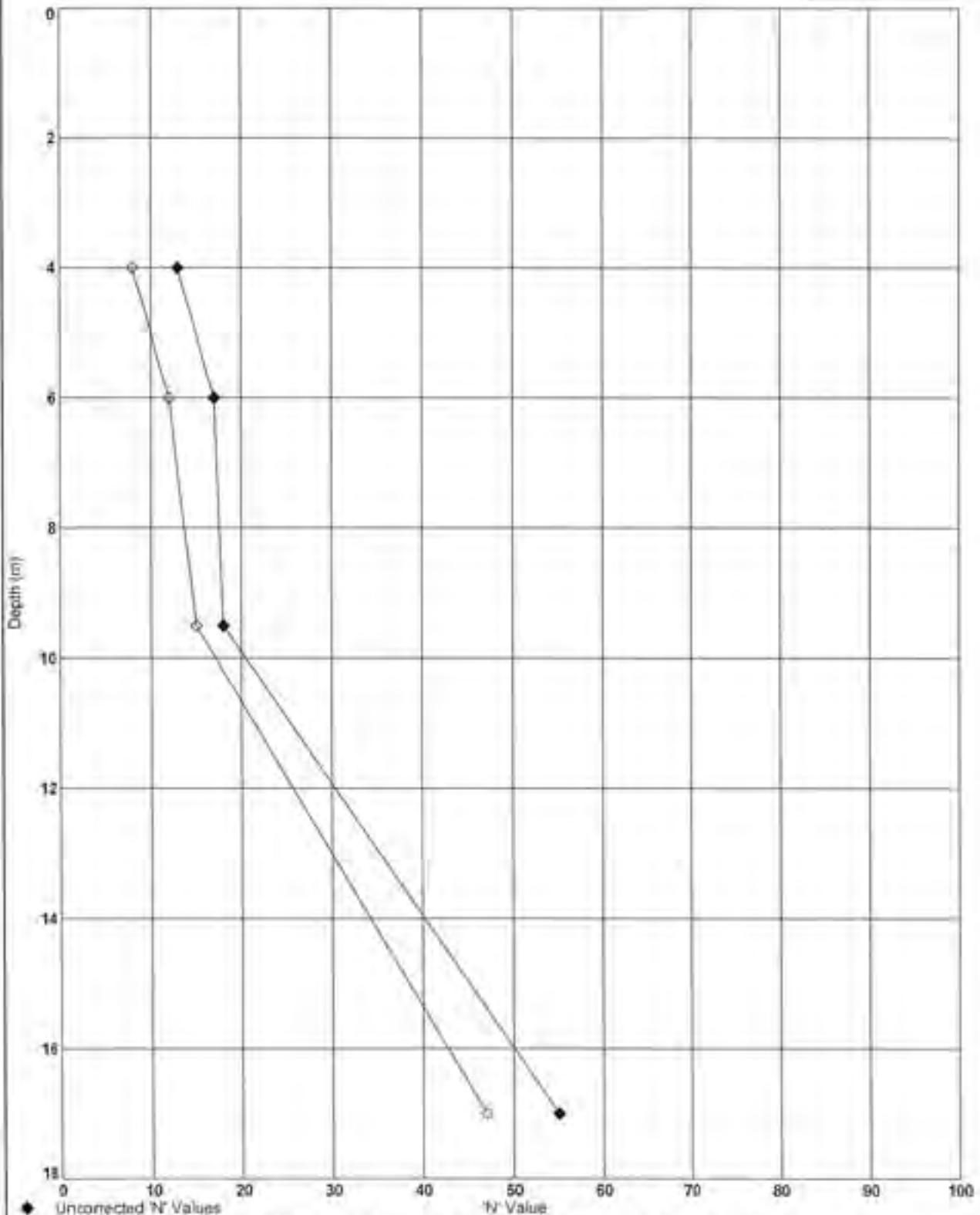
100/101 Broomfield Road, Broomfield, Essex, SS10 2JF
Unit 10, Riverside, Leamington Spa, Warwick, CV32 3NF

UK: 0181 207 4770 Fax: 0181 207 3119
US: 01772 202 800/804 01772 202 800

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No:

PRAIRIE_AUK_BH101



Contract Title -
Prairie Site Ground Investigation Works

Client -
South Tees Development Corporation



Date of issue -
05/11/2020

Certificate No -
SPT/4251/Graph/PRAIRIE_AUK_BH101

Operator -
L. Sekirk

Checked By -
LC

Approved By -
ASW

AEG Contract No -
4251

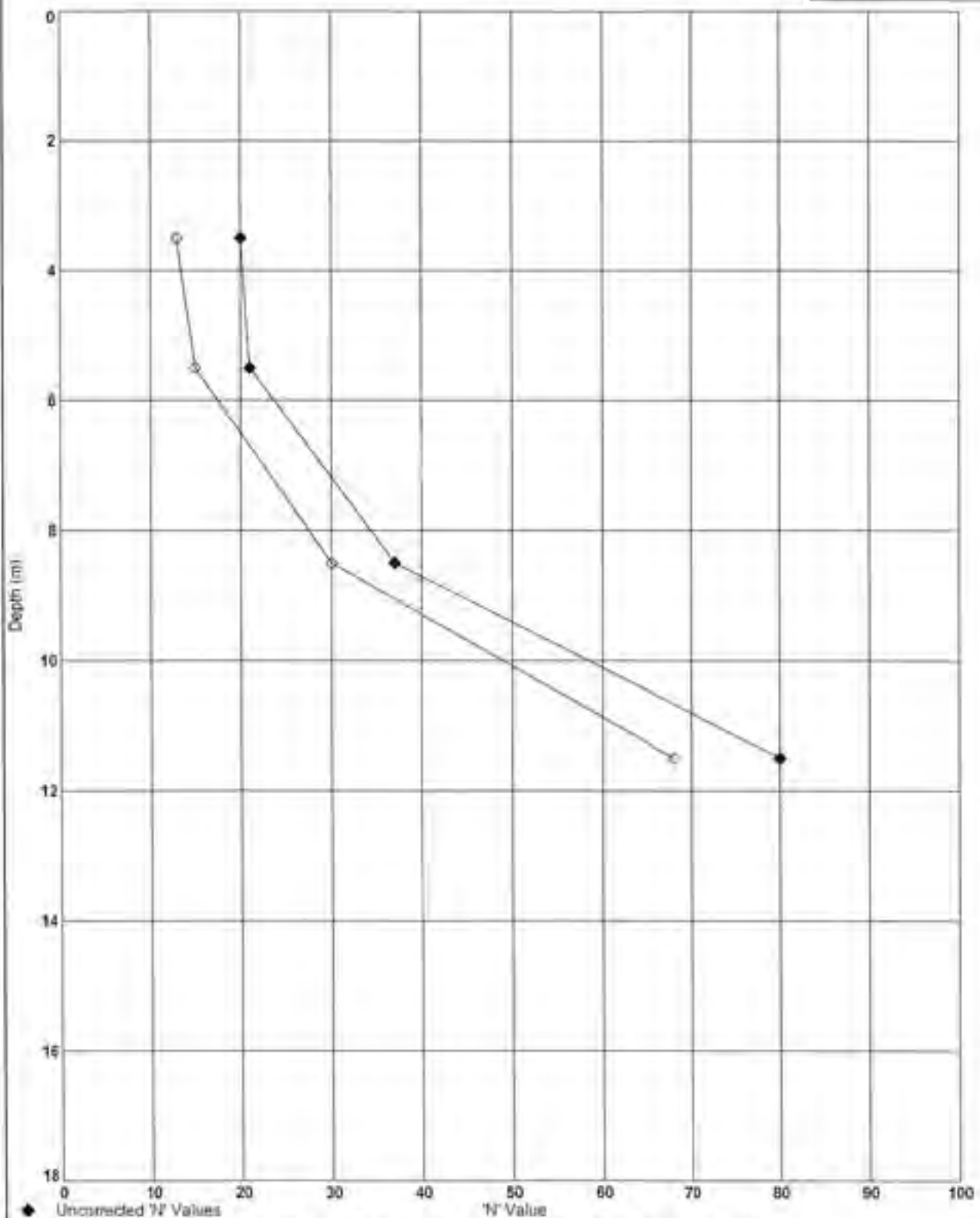


ALLIED EXPLORATION & GEOTECHNICS LIMITED

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STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No
PRAIRIE_AUK_BH103



Contract Title - **Prairie Site Ground Investigation Works**

Client - **South Tees Development Corporation**



Date of issue - **05/11/2020**

Certificate No - **SPT/4251/Graph/PRAIRIE_AUK_BH103**

Operator - **L. Selkirk**

Checked By - **LC**

Approved By - **KW**

AEG Contract No. - **4251**



1367

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:
Regional Office

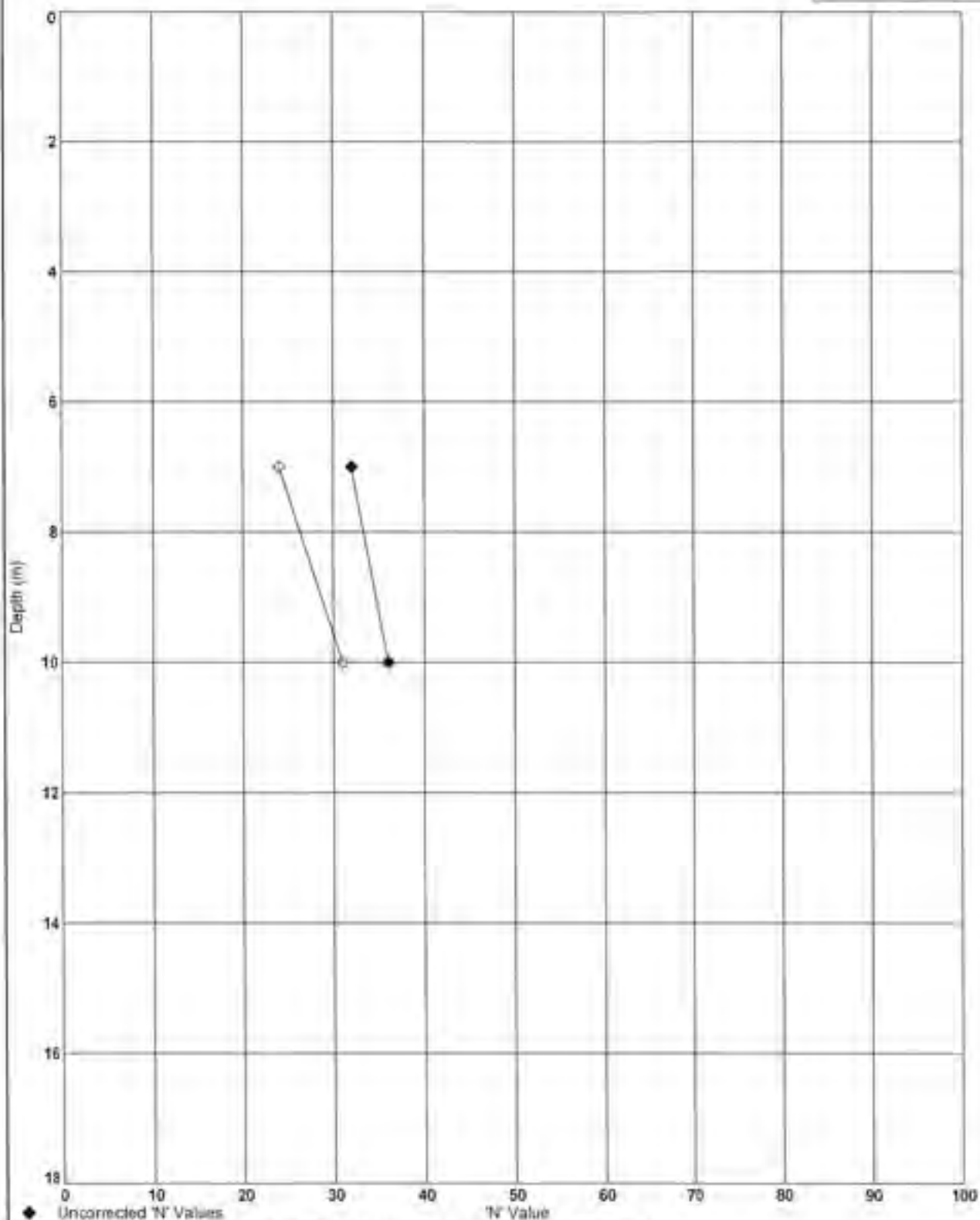
Unit 25, Green Hill Industrial Estate, Pease Road, Chatteris, Cambs, UK, Cambs, CB4 2DQ
Unit 20, Saxon's Development Centre, Europe Wharf, London, E91 3SE

Tel: 01455 861 400 Fax: 01455 287 474
Tel: 0207 251 300 Fax: 02072 716 260

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No.

PRAIRIE_AUK_BH104



◆ Uncorrected 'N' Values

○ Corrected 'N' Values

Note: Graph does not display extrapolated SPT results (e.g. refusals).

Contract Title :-

Frame Site Ground Investigation Works

Client :-

South Tees Development Corporation



Date of issue :-

05/11/2020

Certificate No. :-

SPT/4251/Graph/PRAIRIE_AUK_BH104

Operator :-

L.S./L.H

Checked By :-

LC

Approved By :-

ALW

AEG Contract No. :-

4251



1357

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office
Regional Office

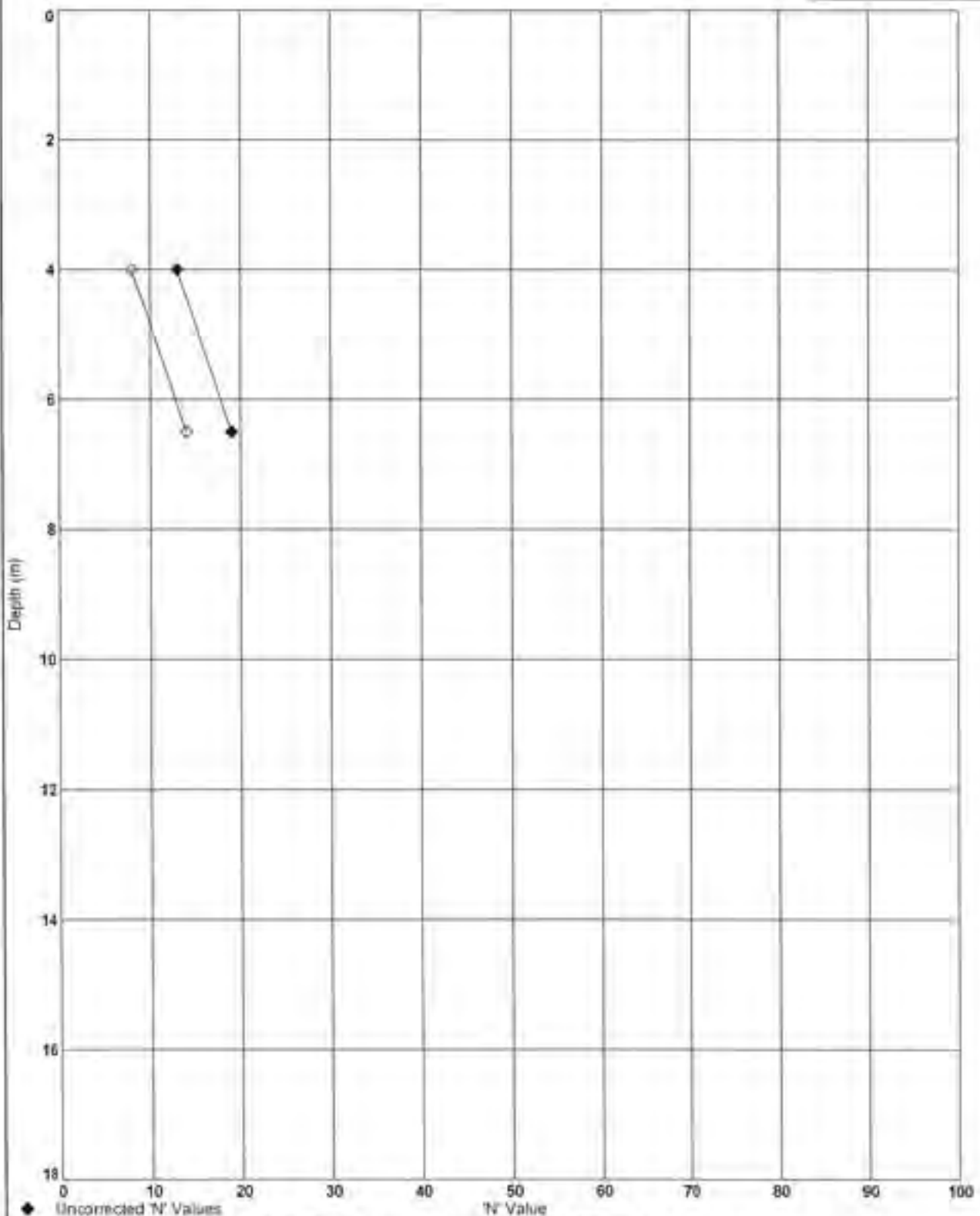
Unit 25, 26 & 27, Old Mill Lane, Churchfields, Churchfields, Colchester, CO1 2JQ
Unit 20, Science & Technology Centre, Eastern Water, Barking, E15 3BQ

Tel: 0201 861 4300 Fax: 0201 861 4310
Tel: 0202 727 261 Fax: 01771 725 268

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No.

PRAIRIE_AUK_BH105



Contract Title :-

Praxe Site Ground Investigation Works

Client :-

South Tees Development Corporation



Date of Issue :-

05/11/2020

Certificate No. :-

SPT/4251/Graph/PRAIRIE_AUK_BH105

Operator :-

L. Selkirk

Checked By :-

LC

Approved By :-

ASW

AEG Contract No. :-

4251



1367

ALLIED EXPLORATION & GEOTECHNICS LIMITED

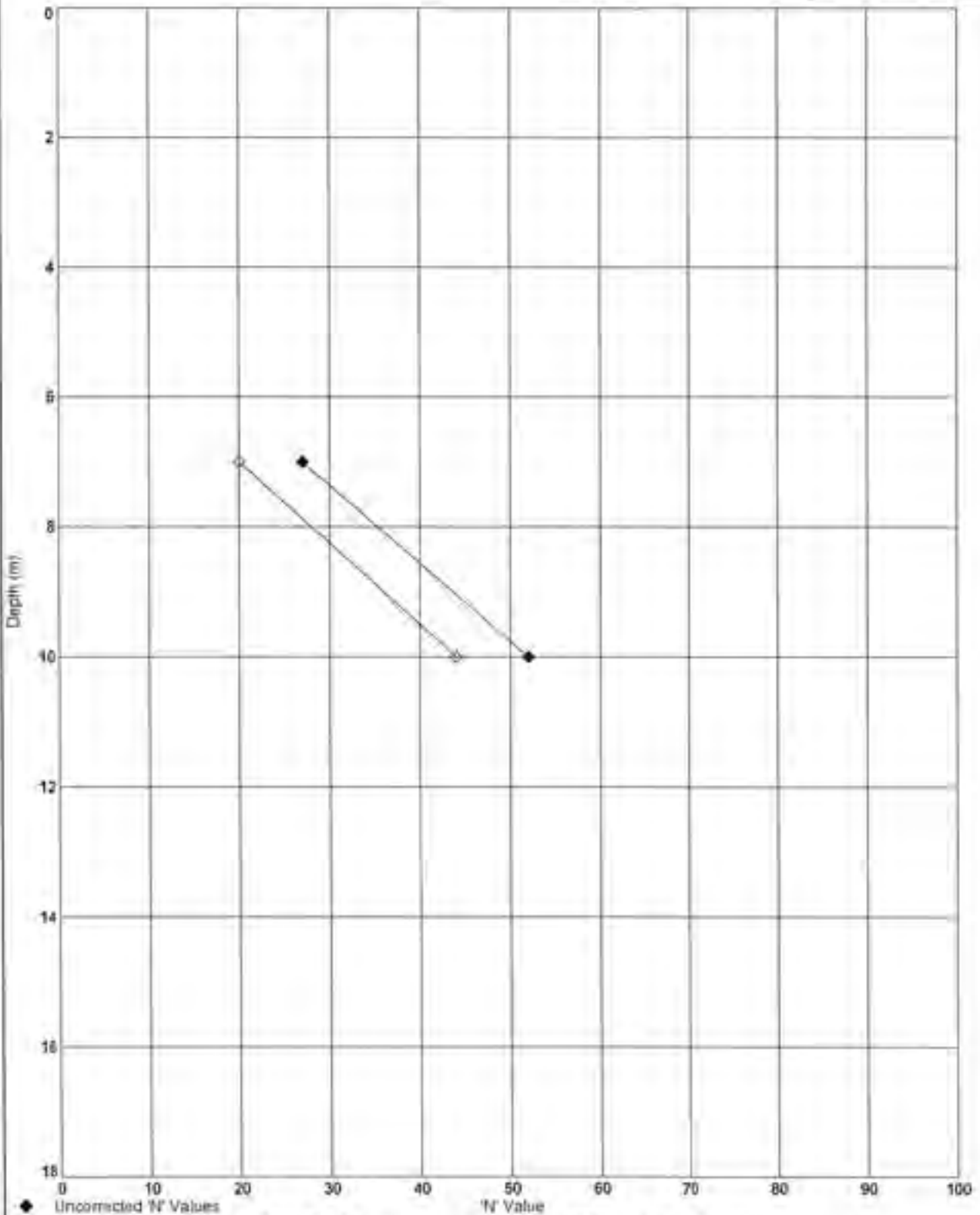
Head Office:
Regional Office:

Unit 28, 29 & 30, The Old Mill, Church Lane, Chatteris, Cambs, UK. Cambs, CB2 2JF
Unit 20, Enterprise Development Centre, Luton Road, Bedford, BB1 1SL

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Tel: 01227 732 563 Fax: 01227 732 569

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No:
PRAIRIE_AUK_BH106



Contract Title - **Prarie Site Ground Investigation Works** Client - **South Tees Development Corporation**

	Date of issue - 05/11/2020	Certificate No. - SPT/4251/Graph/PRAIRIE_AUK_BH106	Operator - L. Selkirk
	Checked By - <i>LC</i>	Approved By - <i>ASW</i>	AEG Contract No. - 4251
			 1367

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:
Regional Office

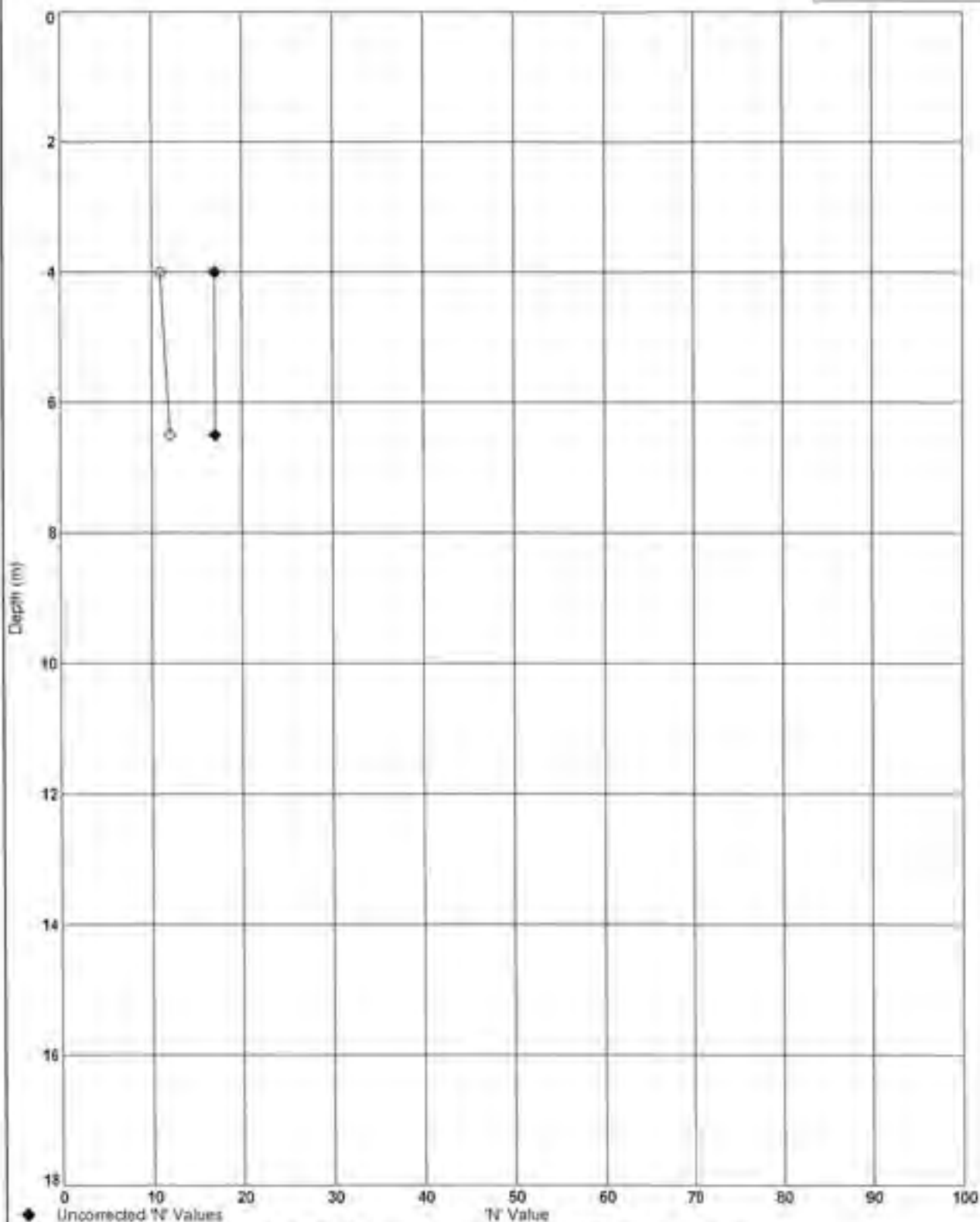
Unit 25, Green Oak Industrial Estate, Park Road, Chesham-Bell, Ox. Bucks, MK36 2HR
Unit 20, Eastman Development Centre, South Wood, Blotton, BS1 5SL

Tel: 01295 361 470 Fax: 01295 361 471
Tel: 01773 735 501 Fax: 01773 735 502

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No

PRAIRIE_AUK_BH107



◆ Uncorrected 'N' Values

○ Corrected 'N' Values

Note: Graph does not display extrapolated SPT results (e.g. refusals).

Contract Title :-

Prairie Site Ground Investigation Works

Client :-

South Trees Development Corporation



Date of Issue :-

05/11/2020

Certificate No :-

SPT/4251/Graph/PRAIRIE_AUK_BH107

Operator :-

L. Selkirk

Checked By :-

LC

Approved By :-

AKW

AEG Contract No :-

4251



1367

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:
Regional Office:

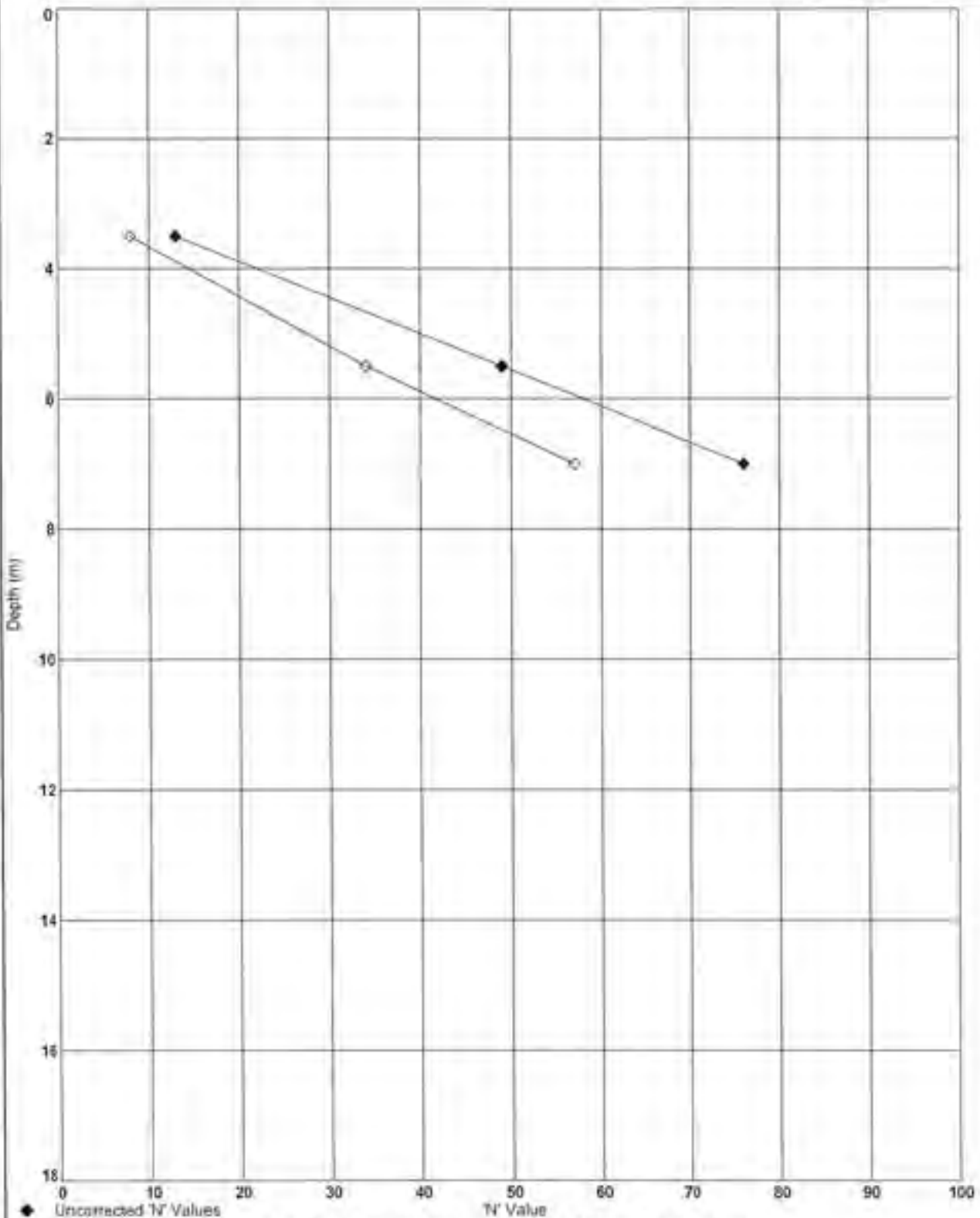
Unit 25, 26 & 27, Old Industrial Estate, Farnley Road, Churchfields, Doncaster, DN4 2PP
Unit 37, Enterprise Development Centre, South Wharf, Barnsley, S11 5SL

Tel: 0114 307 4700 Fax: 0114 302 4716
Tel: 01773 735 303 Fax: 01773 735 305

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No.

PRAIRIE_AUK_BH108



Contract Title - **Prairie Site Ground Investigation Works**

Client - **South Tees Development Corporation**



Date of issue - 05/11/2020

Certificate No - SPT/4251/Graph/PRAIRIE_AUK_BH108

Operator - LS/LH

Checked By - *LC*

Approved By - *ALW*

AEG Contract No - 4251



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office
Regional Office

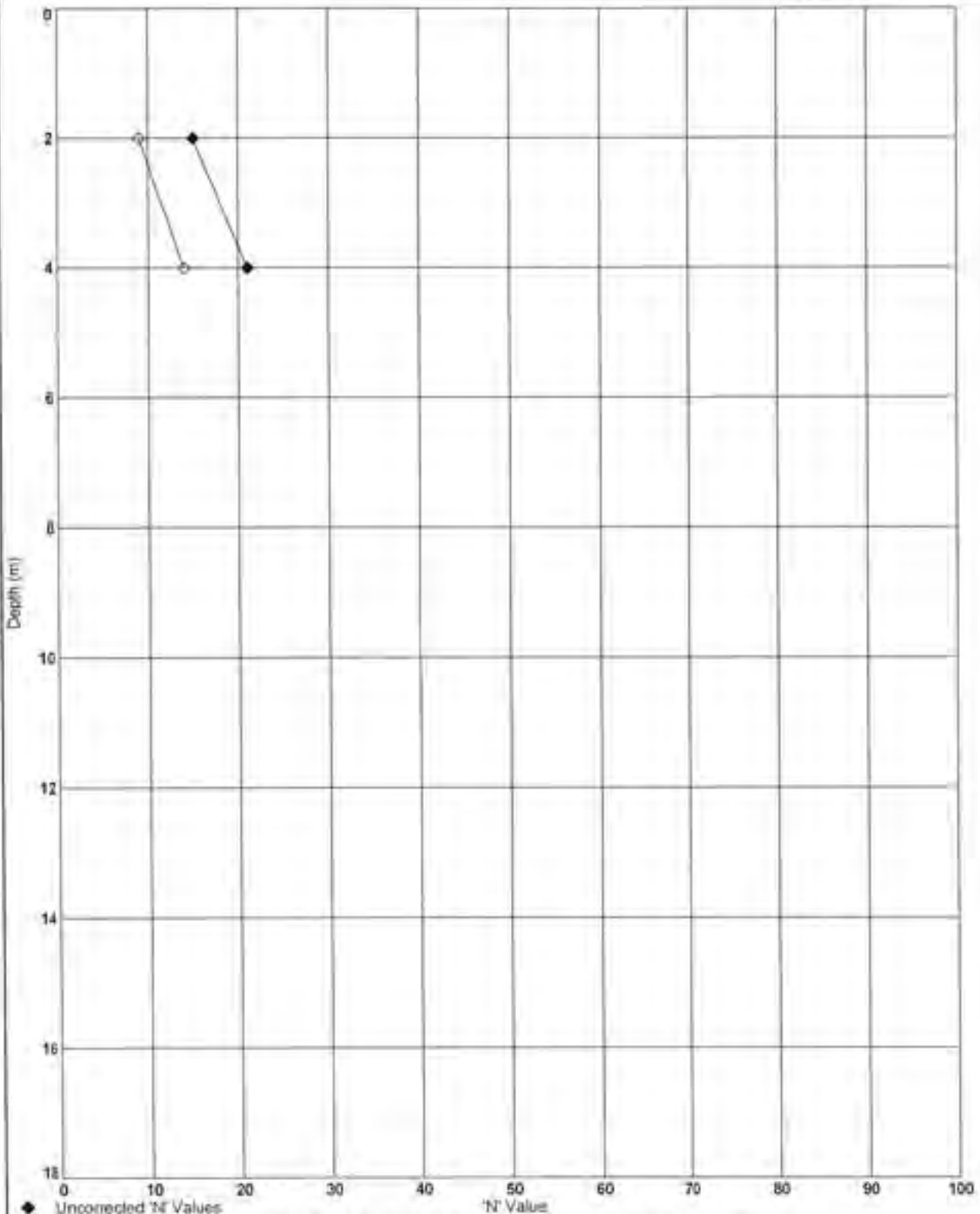
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Tel: 0191 261 4700 Fax: 0191 261 4710
Tel: 01752 735 265 Fax: 01752 735 266

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No

PRAIRIE_AUK_BH109



◆ Uncorrected 'N' Values
○ Corrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals).

Contract Title :- Prairie Site Ground Investigation Works

Client :- South Tees Development Corporation



Date of issue :- 05/11/2020

Certificate No :- SPT/4251/Graph/PRAIRIE_AUK_BH109

Operator :- L.S.L.H.

Checked By :- LC

Approved By :- ALW

AEG Contract No :- 4251



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:
Regional Office:

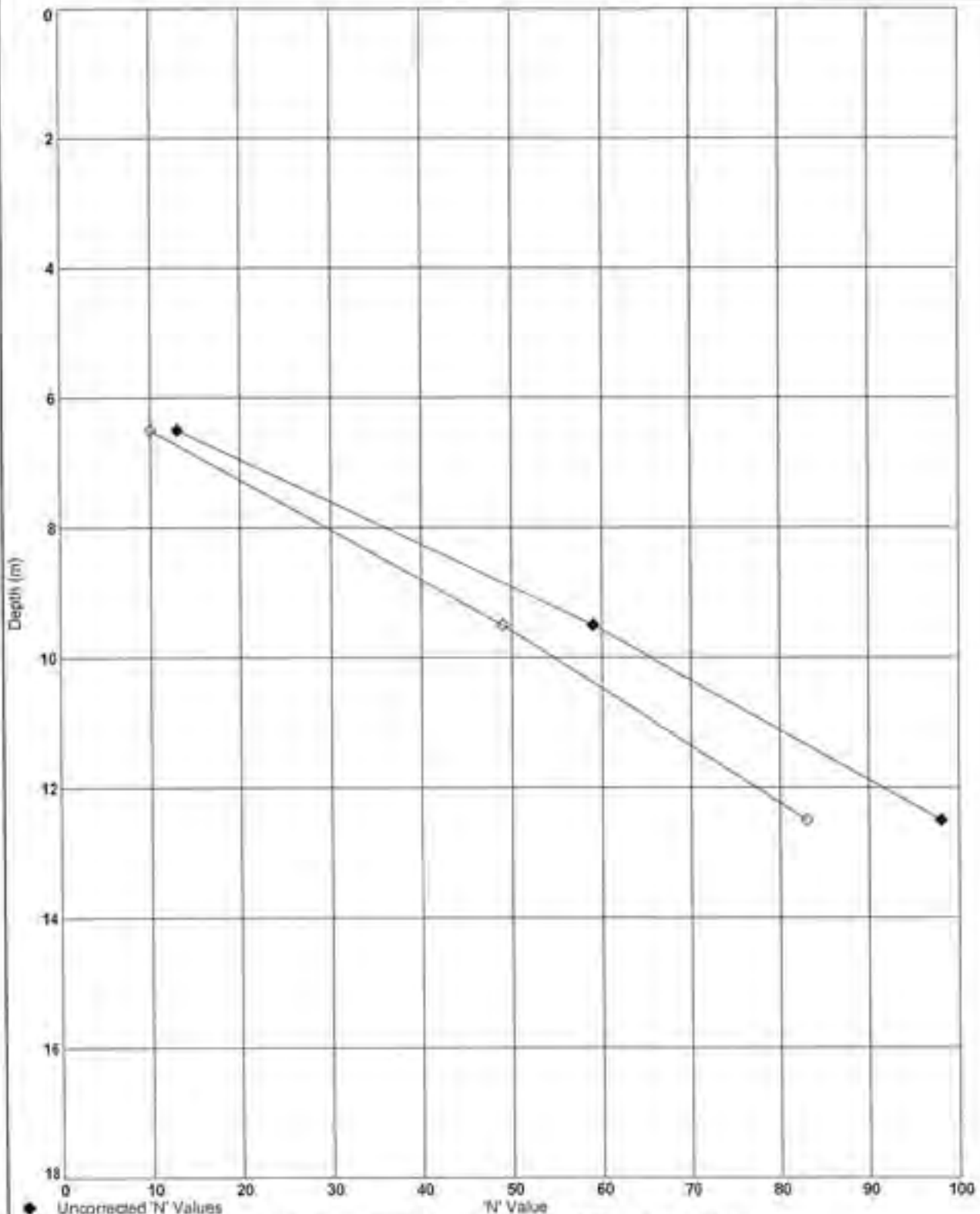
Unit 25-26, Oak Industrial Estate, Fyfe Park, Chester-le-Street, Co. Durham, DA1 2BC
Unit 20 Business Development Centre, Falcon Works, Blaydon, NE11 5BL

Tel: 0191 361 4100 Fax: 0191 361 4716
Tel: 01752 226 228 Fax: 01752 726 889

STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

Exploratory Hole No

PRAIRIE_AUK_BH110



Contract Title :- Prairie Site Ground Investigation Works

Client :- South Tees Development Corporation



Date of issue :- 05/11/2020

Certificate No :- SPT/4251/Graph/PRAIRIE_AUK_BH110

Operator :- LS/LH

Checked By :- LC

Approved By :- *LS*

AEG Contract No :- 4251



Unit 25 Stella Gill Industrial Estate
Pelton Fell
Chester-le-Street
DH2 2RG

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005



SPT Hammer Ref: ATH09
Test Date: 23/05/2019
Report Date: 07/01/2020
File Name: ATH09.spt
Test Operator: BP

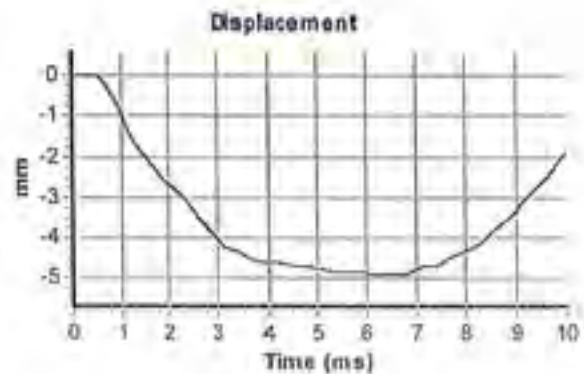
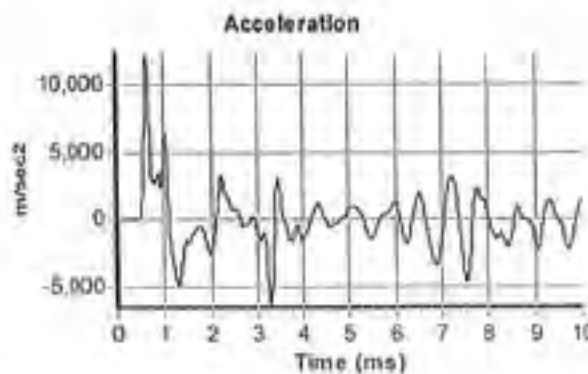
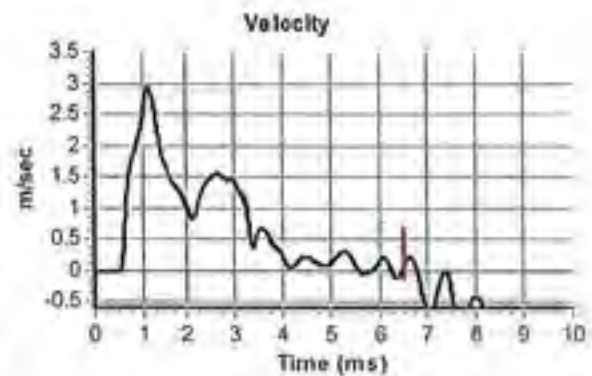
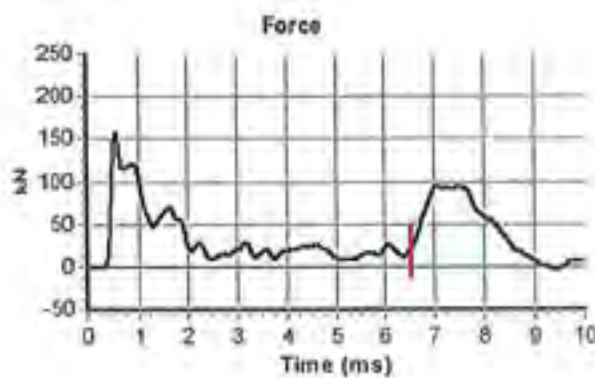
Instrumented Rod Data

Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.5
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 5991
Accelerometer No.2: 5990

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 14.1

Comments / Location



Calculations

Area of Rod A (mm²): 970
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 241

Energy Ratio E_r (%): **51**

Signed: Brian Proctor
Title: Technician

The recommended calibration interval is 12 months

Hand Shear Vane Test Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 23 Road 300 Industrial Estate, Neway Park, Neway, Northampton NN4 9JF, UK. Tel: 01772 758 800 Fax: 01773 774 888
Regional Office: Unit 23 Riverside Development Centre, Emerald View, Stratford, CV3 5JF, UK. Tel: 01772 758 800 Fax: 01773 774 888

HAND SHEAR VANE TEST RESULTS

Exploratory Hole No.	Date	Depth (m)	1st Result (kPa)	2nd Result (kPa)	3rd Result (kPa)	4th Result (kPa)	Average (kPa)	Remarks
EMERALD_AUG_1140	01/04/2020	1.60	72 (32)	54	55	59	58 (32)	
EMERALD_AUG_1140	01/04/2020	2.80	56 (22)	54	55	42	53 (22)	
EMERALD_AUG_1140	01/04/2020	4.40	52 (18)	44	44	48	47 (18)	
EMERALD_AUG_1140	01/04/2020	3.00	90 (22)	82	85	88	87 (22)	
EMERALD_AUG_1140	01/04/2020	3.90	90 (32)	84	90	80	85 (32)	
EMERALD_AUG_1140	01/04/2020	2.00	60 (20)	60	60	60	60 (20)	
EMERALD_AUG_1140	01/04/2020	3.00	64 (24)	60	68	62	64 (24)	
EMERALD_AUG_1140	23/04/2020	2.00	72 (25)	72	55	58	70 (26)	
EMERALD_AUG_1140	23/04/2020	3.00	130	130	130	130	130	Results in excess of 130kPa - exceeds the device measuring range.
EMERALD_AUG_1140	05/04/2020	1.00	73 (34)	72	68	75	72 (34)	
EMERALD_AUG_1140	06/04/2020	2.60	64 (34)	62	58	72	57 (34)	
EMERALD_AUG_1140	21/04/2020	2.00	75 (40)	82	82	86	82 (40)	

Residual results given in brackets.

	Contract Title :-		Client :-		AEG Contract No :-	
	Prairie Site Ground Investigation Works		South Tees Development Corporation		4251	
Date of Issue :-		Checked By :-		Approved By :-		Certificate No. :-
05/11/2020		LC		[Signature]		
Page No. :-		1 of 7		HSV/4251/1		


ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: 124-130 South Star Freeway, Springvale, Vic. 3173, Australia. Phone: (61) 39594 1111 Fax: (61) 39594 1112
 Regional Office: Unit 20 Gateway Development Centre, Eastern Shore Freeway, Berridge, SA 5207, Australia. Phone: (61) 83324 1111 Fax: (61) 83324 1112

HAND SHEAR VANE TEST RESULTS

Exploratory Hole No.	Date	Depth m	1st Result kPa	2nd Result kPa	3rd Result kPa	4th Result kPa	Average kPa	Remarks
HSV4251/08	21/04/2020	3.00	100 (40)	110	90	110	103 (40)	
HSV4251/09	21/04/2020	3.00	60 (18)	58	56	60	59 (18)	
HSV4251/10	21/04/2020	4.00	50 (12)	44	52	50	49 (12)	
HSV4251/11	22/04/2020	2.50	60 (30)	64	80	74	70 (30)	
HSV4251/12	22/04/2020	3.00	100 (32)	92	112	100	101 (32)	
HSV4251/13	22/04/2020	2.50	68 (38)	78	88	68	76 (38)	
HSV4251/14	22/04/2020	3.10	54 (24)	52	58	58	56 (24)	
HSV4251/15	06/04/2020	3.50	50 (20)	50	60	56	54 (20)	
HSV4251/16	08/04/2020	2.00	30 (8)	20	30	20	25 (8)	
HSV4251/17	23/04/2020	2.00	100 (68)	90	98	110	100 (68)	
HSV4251/18	23/04/2020	3.00	130	130	130	130	130	Results in excess of 130kPa - exceeds the device measuring range.
HSV4251/19	23/04/2020	1.60	64 (42)	72	68	68	68 (42)	

Roundoff results given in brackets.

	Contract Title :-	Client :-	AEG Contract No. :-
	Prairie Site Ground Investigation Works	South Tees Development Corporation	4251
Date of Issue :-	Checked By :-	Approved By :-	Certificate No. :-
05/11/2020	LC	AKW	HSV4251/2
Page No. :-	2 of 7		

ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Unit 10 Suburban Development Centre, 12000-10th Avenue, Edmonton, Alberta T6C 2G4
 Tel: 781-345-4100 Fax: 781-345-4101
 Email: info@allied-geotech.com Website: www.allied-geotech.com

HAND SHEAR VANE TEST RESULTS

Exploratory Hole No.	Date	Depth (m)	1st Result (kPa)	2nd Result (kPa)	3rd Result (kPa)	4th Result (kPa)	Average (kPa)	Remarks
PHASE_AUG_1P-04	23/04/2020	2.60	80 (40)	65	62	80	82 (40)	
PHASE_AUG_1P-05	22/04/2020	2.50	52 (20)	40	54	40	47 (20)	
PHASE_AUG_1P-18	22/04/2020	3.00	70 (22)	60	66	64	65 (22)	
PHASE_AUG_1P-06A	20/04/2020	1.50	50 (22)	62	66	60	62 (22)	
PHASE_AUG_1P-06B	20/04/2020	2.50	70 (18)	76	76	74	74 (18)	
PHASE_AUG_1P-04	08/04/2020	2.40	32 (20)	34	32	30	32 (20)	
PHASE_AUG_1P-17A	23/04/2020	2.50	70 (34)	68	72	68	70 (34)	
PHASE_AUG_1P-11	02/04/2020	2.60	46 (20)	62	50	22	45 (20)	
PHASE_AUG_1P-11	02/04/2020	3.60	66 (34)	60	60	58	59 (34)	
PHASE_AUG_1P-12	22/04/2020	1.00	42 (22)	30	44	46	41 (22)	
PHASE_AUG_1P-08	22/04/2020	1.50	76 (18)	80	64	64	71 (18)	
PHASE_AUG_1P-14	20/04/2020	1.50	76 (18)	64	66	68	69 (18)	

Residual results given in brackets.

Contract Title :-	Prairie Site Ground Investigation Works	Client :-	South Tees Development Corporation
Date of Issue :-	05/11/2020	Page No. :-	3 of 7
Contract No. :-		Approved By :-	
Contract No. :-	4251	Checked By :-	
Contract No. :-	4251	Certificate No. :-	HSV/4251/3



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: Unit 23 South Tees Development Centre, Liberty Road, Redcliffe, South Tees, Durham, DA1 1DL. Tel: 01712 75 288 Fax: 01712 75 199.
 Regional Office: Unit 23 South Tees Development Centre, Liberty Road, Redcliffe, South Tees, Durham, DA1 1DL. Tel: 01712 75 288 Fax: 01712 75 199.

HAND SHEAR VANE TEST RESULTS

Exploratory Hole No.	Date	Depth (m)	1st Result (kPa)	2nd Result (kPa)	3rd Result (kPa)	4th Result (kPa)	Average (kPa)	Remarks
HSV4251/4	20/04/2020	2.50	84 (28)	86	84	82	84 (28)	
HSV4251/4	15/04/2020	1.60	66 (22)	72	66	72	70 (22)	
HSV4251/4	15/04/2020	2.80	70 (20)	62	72	74	70 (20)	
HSV4251/4	15/04/2020	1.50	38 (18)	40	40	42	40 (18)	
HSV4251/4	15/04/2020	2.50	66 (16)	66	70	64	67 (16)	
HSV4251/4	15/04/2020	2.00	56 (18)	42	48	46	46 (18)	
HSV4251/4	15/04/2020	2.50	44 (16)	50	46	46	47 (16)	
HSV4251/4	15/04/2020	3.50	60 (22)	70	80	76	77 (22)	
HSV4251/4	14/04/2020	2.00	62 (30)	72	76	76	77 (30)	
HSV4251/4	14/04/2020	3.00	62 (28)	62	64	68	64 (28)	
HSV4251/4	14/04/2020	1.50	98 (40)	100	94	96	97 (40)	
HSV4251/4	14/04/2020	2.50	92 (30)	106	92	96	97 (30)	

Residual results given in brackets.

Contract Title >	Praine Site Ground Investigation Works	Client >	South Tees Development Corporation
Date of Issue >	05/11/2020	Checked By >	LC
Page No. >	4 of 7	Approved By >	HW
Contract No. >	AEG	AEG Contract No. >	4251
Certificate No. >		Certificate No. >	HSV/4251/4

ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: 105 St. Michaels Drive, Invercargill, New Zealand
 Regional Office: 105 St. Michaels Drive, Invercargill, New Zealand
 Unit 25 Business Development Estate, Green Mount, Auckland, 0617 002

HAND SHEAR VANE TEST RESULTS

Exploratory Hole No.	Date	Depth m	1st Result kPa	2nd Result kPa	3rd Result kPa	4th Result kPa	Average kPa	Remarks
HSV14251/5	09/04/2020	2.00	59 (34)	60	60	60	55 (34)	
HSV14251/5	09/04/2020	2.80	78 (20)	70	54	70	68 (20)	
HSV14251/5	14/04/2020	1.00	106 (40)	102	100	98	102 (40)	
HSV14251/5	14/04/2020	2.00	100 (38)	100	98	95	99 (38)	
HSV14251/5	17/04/2020	2.50	98 (41)	92	92	98	95 (41)	
HSV14251/5	18/04/2020	2.00						Not suitable for HSV testing - too friable
HSV14251/5	16/04/2020	2.50						Not suitable for HSV testing - too friable
HSV14251/5	14/04/2020	3.50						Not suitable for HSV testing - insufficiently cohesive
HSV14251/5	14/04/2020	2.00	58 (36)	42	62		54 (36)	
HSV14251/5	16/04/2020	2.50						Not suitable for HSV testing - too friable
HSV14251/5	16/04/2020	3.00						Not suitable for HSV testing - too friable
HSV14251/5	16/04/2020	3.50						Not suitable for HSV testing - too friable

(Result results given in brackets)

Contract Title -	Prairie Site Ground Investigation Works	Client -	South Tiers Development Corporation
Date of Issue -	05/11/2020	Page No -	5 of 7
Approved By -		Checked By -	
AEG Contract No -	4251	Certificate No -	HSV/4251/5





ALLIED EXPLORATION & GEOTECHNICS LIMITED

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HAND SHEAR VANE TEST RESULTS

Exploratory Hole No.	Date	Depth (m)	1st Result (kPa)	2nd Result (kPa)	3rd Result (kPa)	4th Result (kPa)	Average (kPa)	Remarks
ES001_AEG_1616	09/04/2020	2.00	100 (42)	98	90		96 (42)	
ES002_AEG_1617	09/04/2020	1.50						Not suitable for HSV testing - too friable.
ES003_AEG_1617	09/04/2020	2.50						Not suitable for HSV testing - too friable.
ES004_AEG_1616	06/04/2020	1.50	48 (20)	52	46		49 (20)	
ES005_AEG_1616	06/04/2020	2.50						Not suitable for HSV testing - too friable.
ES006_AEG_1616	06/04/2020	3.50						Not suitable for HSV testing - too friable.
ES007_AEG_1616	07/04/2020	1.50	56 (36)	42	62		54 (36)	
ES008_AEG_1616	06/04/2020	1.80	48 (26)	56	54		53 (26)	
ES009_AEG_1616	06/04/2020	2.80	48 (26)	54	54		52 (26)	
ES010_AEG_1616	06/04/2020	3.50						Not suitable for HSV testing - too friable.
ES011_AEG_1616	09/04/2020	2.00						Not suitable for HSV testing - too friable.
ES012_AEG_1616	09/04/2020	2.00	80 (42)	100	96		93 (42)	

Residual results given in brackets.

Contract Title :-	Pranaj Site Ground Investigation Works	Client :-	South Tees Development Corporation
Date of Issue :-	05/11/2020	Page No. :-	5 of 7
Approved By :-		Checked By :-	
AEG Contract No. :-	4251	Certificate No. :-	HSV/4251/6



ALLIED EXPLORATION & GEOTECHNICS LIMITED

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 Tel: 01494 474444 Fax: 01494 474445
 Email: sales@allied-geotech.co.uk
 Website: www.allied-geotech.co.uk

HAND SHEAR VANE TEST RESULTS

Exploratory Hole No.	Date	Depth (m)	1st Result (kPa)	2nd Result (kPa)	3rd Result (kPa)	4th Result (kPa)	Average (kPa)	Remarks
HSV42517	09/04/2020	1.50						Not suitable for HSV testing - too friable.
HSV42517	09/04/2020	2.50						Not suitable for HSV testing - too friable.
HSV42517	07/04/2020	1.50	62 (42)	90	98		83 (47)	
HSV42517	07/04/2020	2.50	105 (46)	100	105		103 (46)	
HSV42517	15/04/2020	1.50	50 (20)	50	52	52	51 (20)	
HSV42517	15/04/2020	2.50	54 (18)	58	60	60	53 (18)	

Finalist results given in brackets.

	Contract Title :-	Priming Site Ground Investigation Works	Client :-	South Tees Development Corporation	AEG Contract No :-	4251	
	Date of Issue :-	05/11/2020	Page No. :-	7 of 7	Checked By :-	LC	
				Approved By :-	KW	Certificate No :-	HSV/42517

Photo-ionisation Detector Test Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED

(Incorporated in Singapore) UIC 10 0000 100 UIC 10 0000 100 UIC 10 0000 100 UIC 10 0000 100 UIC 10 0000 100
 Registered Office: Unit 10, Block 100, Finlayson Road, Singapore 100228 Tel: 65 6334 8888 Fax: 65 6334 8888
 Unit 10, Block 100, Finlayson Road, Singapore 100228 Tel: 65 6334 8888 Fax: 65 6334 8888

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_BH101	3.00	0.2	27/04/2020	
PRAIRIE_AUK_BH103	2.50	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_BH104	5.50	0.2	03/04/2020	
PRAIRIE_AUK_BH105	3.00	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_BH106	5.50	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_BH107	3.00	0.1	24/04/2020	
PRAIRIE_AUK_BH108	2.50	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_BH109	0.50	2.9	23/04/2020	
PRAIRIE_AUK_BH109	1.00	12.8	23/04/2020	
PRAIRIE_AUK_BH109	1.70	27.6	23/04/2020	
PRAIRIE_AUK_BH109	2.50	10.8	23/04/2020	
PRAIRIE_AUK_BH109	3.50	26.1	23/04/2020	
PRAIRIE_AUK_BH110	3.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP101	1.00	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP101	2.20	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP102	0.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP102	1.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP102	1.50	0.1	21/04/2020	
PRAIRIE_AUK_TP102	2.00	0.1	21/04/2020	
PRAIRIE_AUK_TP102	2.50	0.2	21/04/2020	
PRAIRIE_AUK_TP102	3.00	0.4	21/04/2020	
PRAIRIE_AUK_TP102	3.50	0.7	21/04/2020	
PRAIRIE_AUK_TP103	0.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP103	1.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP103	1.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP104	1.50	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP105	1.20	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP105	2.50	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	0.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	1.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	1.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	2.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	3.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	1.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	2.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP108	1.00	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP108	2.00	1.7	06/04/2020	
PRAIRIE_AUK_TP108	3.00	0.6	06/04/2020	
PRAIRIE_AUK_TP109	0.50	See Remarks	21/04/2020	<0.1ppm

See attached Calibration Certificate for Model No. and any other details

Contract Title:-- Prairie Site Ground Investigation Works	Client:-- South Tees Development Corporation
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ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office
Regional Office

Unit 2, Wood 3P, Moorfield Road, Peterborough, Cambridgeshire, UK
Unit 20, Business Development Centre, Eagle Way, Telford, Shropshire, UK

Tel: 01753 621200 Fax: 01753 281415
Tel: 01772 055588 Fax: 01772 055589

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP109	1.00	0.1	21/04/2020	
PRAIRIE_AUK_TP109	1.50	0.1	21/04/2020	
PRAIRIE_AUK_TP109	2.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP109	3.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	0.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	1.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	1.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	2.50	0.3	21/04/2020	
PRAIRIE_AUK_TP110	3.00	0.2	21/04/2020	
PRAIRIE_AUK_TP110	3.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	4.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	4.50	0.1	21/04/2020	
PRAIRIE_AUK_TP111	0.40	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP111	1.00	0.1	22/04/2020	
PRAIRIE_AUK_TP111	1.50	0.2	22/04/2020	
PRAIRIE_AUK_TP111	2.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP111	3.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	0.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	1.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	2.00	0.5	22/04/2020	
PRAIRIE_AUK_TP112	2.10	0.9	22/04/2020	
PRAIRIE_AUK_TP112	2.70	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	3.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP113	1.30	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP114	0.50	7.2	07/04/2020	
PRAIRIE_AUK_TP114	0.90	130.0	07/04/2020	
PRAIRIE_AUK_TP115	1.90	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP116	0.50	5.4	23/04/2020	
PRAIRIE_AUK_TP116	1.30	7.1	23/04/2020	
PRAIRIE_AUK_TP116	1.60	8.8	23/04/2020	
PRAIRIE_AUK_TP116	2.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP116	3.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP117	0.50	9.1	23/04/2020	
PRAIRIE_AUK_TP117	1.20	10.4	23/04/2020	
PRAIRIE_AUK_TP117	2.00	9.6	23/04/2020	
PRAIRIE_AUK_TP117	3.00	11.1	23/04/2020	
PRAIRIE_AUK_TP118	0.50	0.2	23/04/2020	
PRAIRIE_AUK_TP118	1.20	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP118	1.60	See Remarks	23/04/2020	<0.1ppm

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Contract Title -

Prairie Site Ground Investigation Works

Client -

South Tees Development Corporation



Calibration Compliant -
YES

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LC

Approved By -
AKW

AEG Contract No. -
4251



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:
Regional Office:

296/297 South Old Road, South Shields, Tyne and Wear, NE33 1BB
Unit 27, Riverside Development Centre, South Shields, Tyne and Wear, NE33 1BB

Tel: 0191 261 7700 Fax: 0191 261 4714
Tel: 0191 751 222 Fax: 0191 751 222

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP118	2.20	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP119	0.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP119	1.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP119	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP119	2.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP119	2.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP120	0.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120	1.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120	1.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120A	0.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120A	1.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120A	1.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120A	2.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP121	1.50	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP122	1.00	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP123	0.60	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP124	1.50	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP124	2.50	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP126	2.60	0.2	17/04/2020	
PRAIRIE_AUK_TP127	0.30	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP127	1.40	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP127A	2.80	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP128	0.90	0.9	17/04/2020	
PRAIRIE_AUK_TP129	2.10	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP130	1.00	1.0	17/04/2020	
PRAIRIE_AUK_TP131	1.80	See Remarks	02/04/2020	<0.1ppm
PRAIRIE_AUK_TP132	1.30	See Remarks	02/04/2020	<0.1ppm
PRAIRIE_AUK_TP133	0.20	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP133	0.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP133	0.60	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP133	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	0.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	1.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	1.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	2.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	2.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP135	1.30	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP136	0.80	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP136	2.90	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP137	1.30	See Remarks	15/04/2020	<0.1ppm

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Contract Title :-

Prairie Site Ground Investigation Works

Client :-

South Tees Development Corporation



Calibration Compliant :-

YES

Date of Issue :-

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LC

Approved By :-

[Signature]

AEG Contract No. :-

4251



ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: 125-127 South Hill Road, Bournemouth, Dorset, BH1 1AB Tel: 01202 301 800 Fax: 01202 301 410
Regional Office: 125-127 South Hill Road, Bournemouth, Dorset, BH1 1AB Tel: 01202 301 800 Fax: 01202 301 410

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP138	1.20	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP139	1.10	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP139B	0.30	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP139B	3.30	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP140	0.50	0.8	23/04/2020	
PRAIRIE_AUK_TP140	1.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP140	1.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP141	0.50	0.8	23/04/2020	
PRAIRIE_AUK_TP141	1.00	0.6	23/04/2020	
PRAIRIE_AUK_TP141	2.00	1.6	23/04/2020	
PRAIRIE_AUK_TP142	0.50	0.8	23/04/2020	
PRAIRIE_AUK_TP142	1.00	3.9	23/04/2020	
PRAIRIE_AUK_TP142	1.50	3.0	23/04/2020	
PRAIRIE_AUK_TP143	0.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP143	1.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP144	0.50	0.8	24/04/2020	
PRAIRIE_AUK_TP144	1.00	1.5	24/04/2020	
PRAIRIE_AUK_TP145	1.60	0.2	14/04/2020	
PRAIRIE_AUK_TP146C	1.30	0.2	14/04/2020	
PRAIRIE_AUK_TP146C	2.50	See Remarks	14/04/2020	<0.1ppm
PRAIRIE_AUK_TP147	1.50	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP148A	1.40	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP149	1.30	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP150	0.70	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	0.50	1.1	23/04/2020	
PRAIRIE_AUK_TP151	1.00	0.6	23/04/2020	
PRAIRIE_AUK_TP151	1.50	0.9	23/04/2020	
PRAIRIE_AUK_TP151	2.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	2.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	3.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP152	0.50	0.3	22/04/2020	
PRAIRIE_AUK_TP152	1.00	1.6	22/04/2020	
PRAIRIE_AUK_TP152	1.50	0.8	22/04/2020	
PRAIRIE_AUK_TP153	0.50	1.8	22/04/2020	
PRAIRIE_AUK_TP153	1.00	0.5	22/04/2020	
PRAIRIE_AUK_TP153	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP153	2.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP154	0.50	1.1	21/04/2020	
PRAIRIE_AUK_TP154	1.00	0.2	21/04/2020	
PRAIRIE_AUK_TP154	1.50	See Remarks	21/04/2020	<0.1ppm

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ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office: 116/211-215/216 Industrial Estate, Plover Field, Greenway Road, St. Dunstons, (SVC 200) Tel: 01473 807490 Fax: 01473 811416
Regional Office: 105/211-215/216 Industrial Estate, Plover Field, Greenway Road, St. Dunstons, (SVC 200) Tel: 01473 807490 Fax: 01473 811416

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP155	0.40	1.8	21/04/2020	
PRAIRIE_AUK_TP155	1.00	0.1	21/04/2020	
PRAIRIE_AUK_TP155	1.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP155A	0.30	See Remarks	14/04/2020	<0.1ppm
PRAIRIE_AUK_TP157	0.80	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP158	1.30	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP159	0.60	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP160	1.00	0.7	21/04/2020	
PRAIRIE_AUK_TP160	1.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP161	0.80	0.8	20/04/2020	
PRAIRIE_AUK_TP161	2.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP162	1.70	See Remarks	14/04/2020	<0.1ppm
PRAIRIE_AUK_TP163	1.20	4.5	14/04/2020	
PRAIRIE_AUK_TP163	1.90	2.1	14/04/2020	
PRAIRIE_AUK_TP164	0.70	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP164	1.30	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP165	1.00	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP165	3.30	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP166	0.50	0.2	20/04/2020	
PRAIRIE_AUK_TP166	1.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP167	2.50	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP168	0.05	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP169	1.50	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP170	0.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP170	1.00	17.5	21/04/2020	
PRAIRIE_AUK_TP170	1.50	1.1	21/04/2020	
PRAIRIE_AUK_TP171	0.50	1.4	20/04/2020	
PRAIRIE_AUK_TP171	1.00	1.3	20/04/2020	
PRAIRIE_AUK_TP171	1.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP172	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP173	0.90	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP174	0.90	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP174	1.80	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP175	0.80	101.1	06/04/2020	
PRAIRIE_AUK_TP175	1.80	5.3	06/04/2020	
PRAIRIE_AUK_TP176	0.90	1.1	07/04/2020	
PRAIRIE_AUK_TP177	0.60	1.1	07/04/2020	
PRAIRIE_AUK_TP177	1.90	See Remarks	07/04/2020	<0.1ppm
PRAIRIE_AUK_TP178	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP179	1.40	3.8	09/04/2020	

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Contract Title :- Prairie Site Ground Investigation Works	Client :- South Tees Development Corporation
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