



# 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:454599.377 N:521402.034		PRAIRIE_AUK_TP135
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.257	Start Date: 15/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP135.1  
PRAIRIE\_AUK\_TP135



Figure PRAIRIE\_AUK\_TP135.2  
PRAIRIE\_AUK\_TP135





# 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:454599.377 N:521402.034		<b>PRAIRIE_AUK_TP135</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.257	Start Date: 15/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP135.3  
PRAIRIE\_AUK\_TP135 - Spoil





# 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

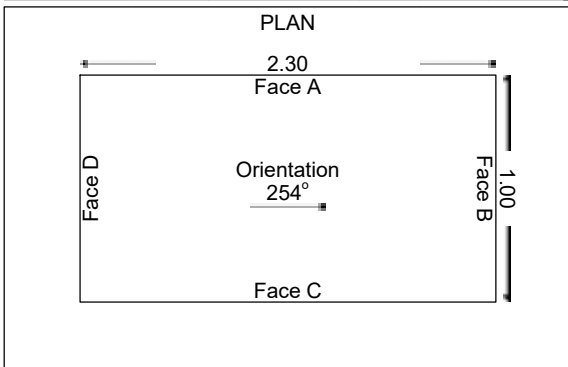
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP136	
Client: South Tees Development Corporation		Location: E:454510.702 N:521391.846	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 7.689	Start Date: 15/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description		
0.40	J1			7.64		MADE GROUND (Grass over brown sandy topsoil).		
0.60	B2			7.44		0.05	MADE GROUND (Strong fine grey reinforced concrete (10mm diameter)).	
0.80	ES3	<0.1ppm				0.25	MADE GROUND (Grey gravel. Gravel is fine to coarse subangular to subrounded and includes slag. Slag content is 75-100%. Slag is vesicular grey white. Sulphurous odour noted).	
0.80	PID							
1.00	J4					6.84	0.85	MADE GROUND (Soft to firm friable and desiccated burnt orange sandy clay/silt).
1.00	ES5						from c.0.85m BGL ... brick structure (depth not confirmed due to water ingress).	
1.50	B6	40 (18)kPa					at c.1.00m BGL ... silt is of intermediate plasticity.	
1.50	HSV							
2.00	J7					5.59	2.10	Firm to stiff grey brown slightly sandy CLAY.
2.40	J8	67 (16)kPa						
2.50	B9							
2.50	HSV							
2.90	ES10	<0.1ppm						
2.90	PID			4.59	3.10	Complete at 3.10m BGL.		



**GROUNDWATER**  
 Water strike at 0.30m BGL.

**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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454510.702 N:521391.846		PRAIRIE_AUK_TP136
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.689	Start Date: 15/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP136.1  
PRAIRIE\_AUK\_TP136



Figure PRAIRIE\_AUK\_TP136.2  
PRAIRIE\_AUK\_TP136





# 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:454510.702 N:521391.846		PRAIRIE_AUK_TP136
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.689	Start Date: 15/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP136.3  
PRAIRIE\_AUK\_TP136 - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:  
Regional Office:

Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
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

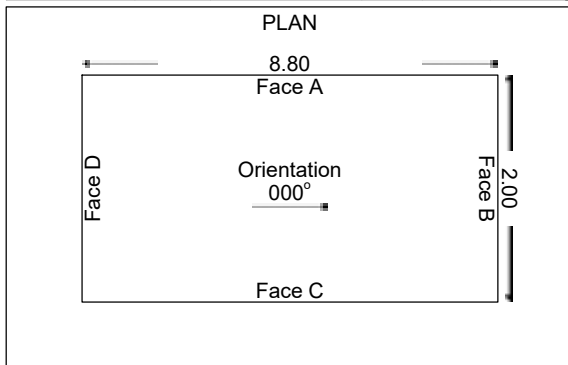
## TRIAL PIT RECORD

Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454392.936 N:521389.947	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 7.844	Start Date: 15/04/2020
		Sheet: 1 of 6	

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.10 0.20	J1 B2		↓ Water	7.34	[Cross-hatched pattern]	(0.50) 0.50	MADE GROUND (Grass over black sandy slightly gravelly topsoil with fragments of metal, metal pipes and plastic pipe. Gravel is fine to coarse subangular and includes concrete and brick). at c.0.10m BGL ... base of concrete drainage channel.	
0.60	J3					(0.95)	MADE GROUND (Black brown clayey sandy gravel with high cobble and boulder content and fragments of metal, metal pipe and plastic pipe. Gravel is fine to coarse subangular to subrounded and includes red brick, concrete and slag. Cobbles are subangular and includes brick and concrete. Slag content is 0-25%. Slag is vesicular grey green white).	
1.00	B4			6.39	[Horizontal line pattern]	1.45	at c.0.50m BGL ... top of covered drainage channel. at c.0.80m BGL ... 250mm diameter clay pipe running 315 degrees.	
1.30	ES5 PID	<0.1ppm				(1.45)	Firm thinly laminated grey brown sandy CLAY with fine yellow sand dusting on the laminae.	
1.60	J6						at c.1.80m BGL ... 150mm diameter clay pipe running 315 degrees. at c.2.00m BGL ... 250mm diameter clay pipe running 315 degrees.	
2.00 2.00	B7 HSV	48 (18)kPa					at c.2.60m BGL ... clay is of intermediate plasticity.	
2.60	J8				4.94		2.90	Complete at 2.90m BGL.



**GROUNDWATER**  
Water strike at 0.50m 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. <b>4251</b>
--	---	----------------------------	--------------------------------	-----------------------------



# 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:454392.936 N:521389.947		<b>PRAIRIE_AUK_TP137</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.844	Start Date: 15/04/2020	Sheet: 2 of 6

Figure PRAIRIE\_AUK\_TP137.1  
PRAIRIE\_AUK\_TP137



Figure PRAIRIE\_AUK\_TP137.2  
PRAIRIE\_AUK\_TP137





# 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:454392.936 N:521389.947		<b>PRAIRIE_AUK_TP137</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.844	Start Date: 15/04/2020	Sheet: 3 of 6

Figure PRAIRIE\_AUK\_TP137.3  
PRAIRIE\_AUK\_TP137



Figure PRAIRIE\_AUK\_TP137.4  
PRAIRIE\_AUK\_TP137







# 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:454392.936 N:521389.947		PRAIRIE_AUK_TP137
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.844	Start Date: 15/04/2020	Sheet: 4 of 6

Figure PRAIRIE\_AUK\_TP137.5  
PRAIRIE\_AUK\_TP137



Figure PRAIRIE\_AUK\_TP137.6  
PRAIRIE\_AUK\_TP137 - Clay Pipe





# 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

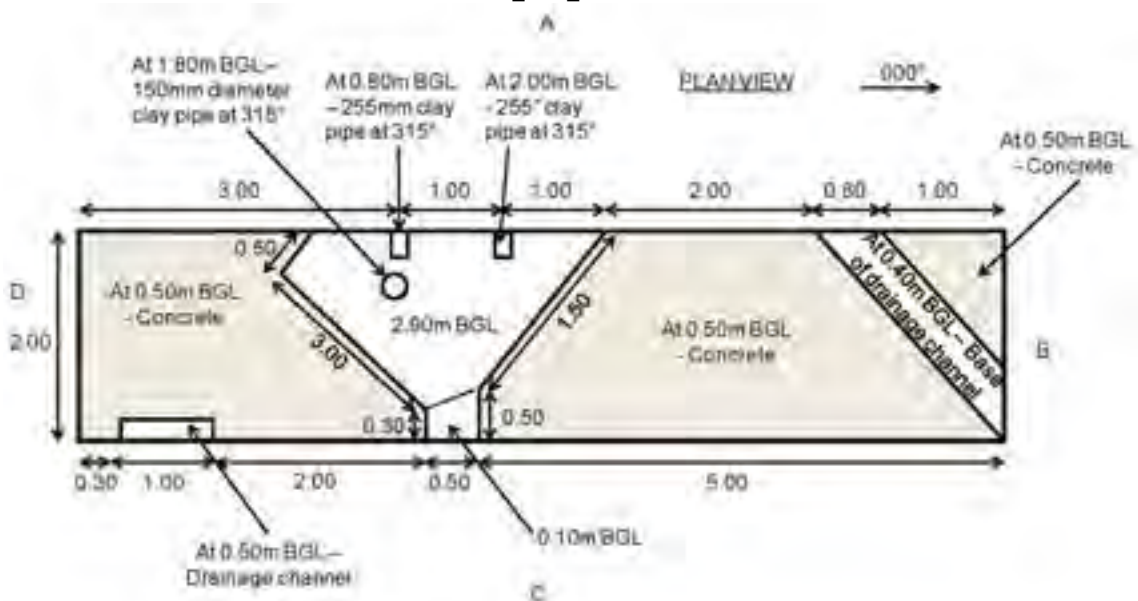
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454392.936 N:521389.947		PRAIRIE_AUK_TP137
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.844	Start Date: 15/04/2020	Sheet: 5 of 6

Figure PRAIRIE\_AUK\_TP137.7  
PRAIRIE\_AUK\_TP137 - Spoil



Figure PRAIRIE\_AUK\_TP137.8  
PRAIRIE\_AUK\_TP137 Sketch





# 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

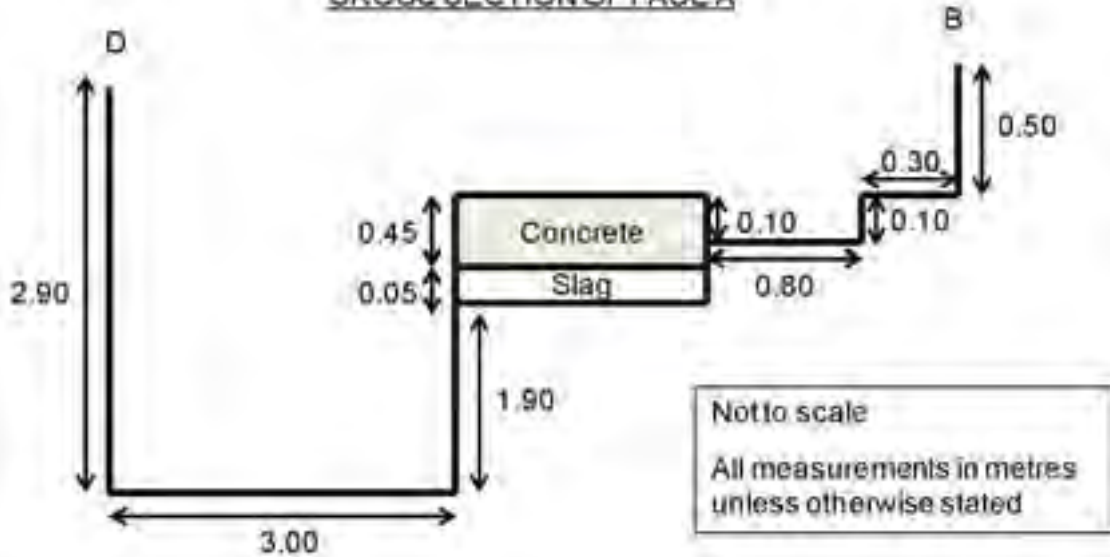
Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454392.936 N:521389.947		<b>PRAIRIE_AUK_TP137</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.844	Start Date: 15/04/2020	Sheet: 6 of 6

Figure PRAIRIE\_AUK\_TP137.9  
PRAIRIE\_AUK\_TP137 Sketch

### CROSS SECTION OF FACE A





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

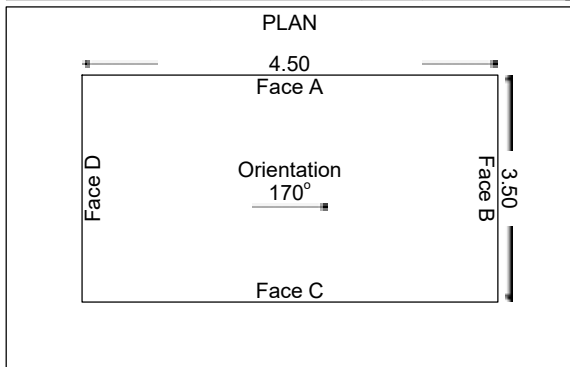
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454298.480 N:521339.714	<b>PRAIRIE_AUK_TP138</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.958	Start Date: 09/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.50	J1					MADE GROUND (Brown clayey very sandy gravel with high cobble content and fragments of metal and plastic. Sand is fine to coarse. Gravel is fine to coarse subangular and includes red brick and concrete. Cobbles are subangular and include red brick and concrete). at c.0.50m BGL ... slab of concrete, possible old floor.
1.00	B2					
1.20	ES3	<0.1ppm				
1.20	PID					
1.50	J4					
2.00	B5					at c.1.80m BGL ... slab of red bricks. at c.2.00m BGL ... metal slab with rebar. at c.2.20m BGL ... slab of red bricks.
				5.36		at c.2.60m BGL ... slab of red bricks. <i>Terminated at 2.60m BGL - due to instability.</i>



**GROUNDWATER**  
 No groundwater inflow observed.

**STABILITY**  
 Pit sides and base 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: K. Russell-Clamp	Contract No. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454298.480 N:521339.714		PRAIRIE_AUK_TP138
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.958	Start Date: 09/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP138.1  
PRAIRIE\_AUK\_TP138



Figure PRAIRIE\_AUK\_TP138.2  
PRAIRIE\_AUK\_TP138 - Boulders





# 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:454298.480 N:521339.714		<b>PRAIRIE_AUK_TP138</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 7.958	Start Date: 09/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP138.3  
PRAIRIE\_AUK\_TP138 - Spoil





# 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

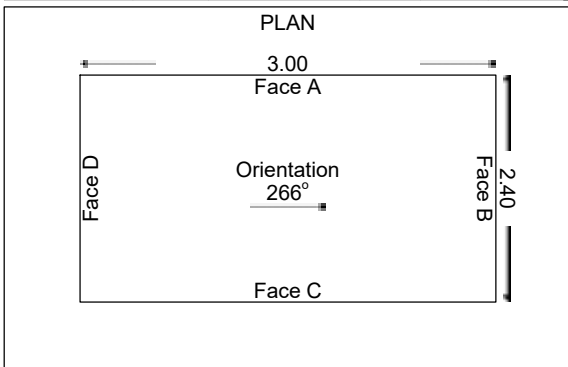
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.		
Client: South Tees Development Corporation		Location: E:454375.942 N:521348.422		PRAIRIE_AUK_TP139	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.365	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 (Brown clayey very sandy gravel with low cobble content and fragments of metal and glass. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and include concrete, slag and macadam. Cobbles are subangular and include concrete and macadam. Slag content is 0-25%. Slag is vesicular grey green white). from c.0.40m BGL ... Face A: concrete. from c.0.50m BGL ... Face C: concrete.
0.80	B2			7.37		1.00	
1.10	J3			7.17		1.20	
1.10	ES4	<0.1ppm					MADE GROUND (Black clayey gravelly sand with coarse gravel to cobble sized pockets of firm laminated black silt. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash. Slight burnt/chemical odour noted). at c.1.20m BGL ... concrete, possible old floor. <i>Terminated at 1.20m BGL - due to concrete obstruction.</i>
1.10	B5						
1.10	PID						



**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 to PRAIRIE\_AUK\_TP139A.

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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454375.942 N:521348.422		<b>PRAIRIE_AUK_TP139</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.365	Start Date: 16/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP139.1  
PRAIRIE\_AUK\_TP139



Figure PRAIRIE\_AUK\_TP139.2  
PRAIRIE\_AUK\_TP139







# 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

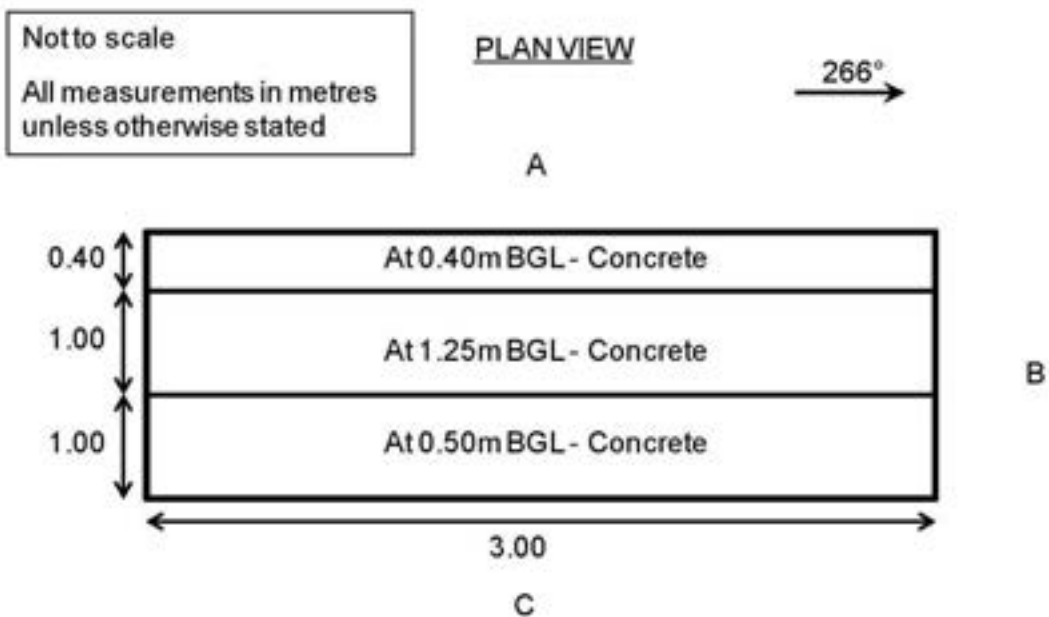
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454375.942 N:521348.422		PRAIRIE_AUK_TP139
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.365	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP139.3  
PRAIRIE\_AUK\_TP139 - Spoil



Figure PRAIRIE\_AUK\_TP139.4  
PRAIRIE\_AUK\_TP139 Sketch





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

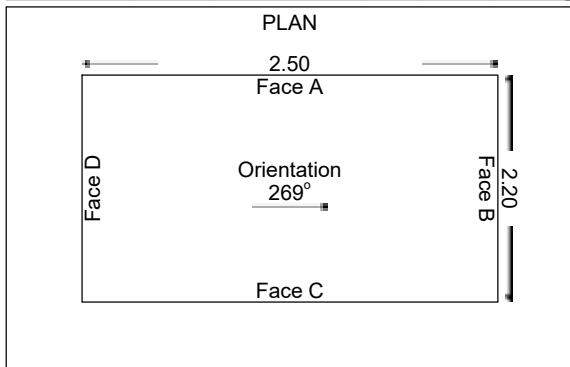
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works			<b>Exploratory Hole No.</b>		
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454376.105 N:521344.320		<b>PRAIRIE_AUK_TP139A</b>	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 8.406	<b>Start Date:</b> 16/04/2020	<b>Sheet:</b> 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				8.11		0.30	MADE GROUND (Brown slightly clayey gravelly sand with fragments of metal and glass. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes concrete and slag. Slag content is 0-25%. Slag is vesicular grey green white). at c.0.30m BGL ... concrete, possibly an old floor. <i>Terminated at 0.30m 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**  
 (1) Relocated from PRAIRIE\_AUK\_TP139.  
 (1) Relocated to PRAIRIE\_AUK\_TP139B.  
 (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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454376.105 N:521344.320		PRAIRIE_AUK_TP139A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.406	Start Date: 16/04/2020	

Figure PRAIRIE\_AUK\_TP139A.1  
PRAIRIE\_AUK\_TP139A



Figure PRAIRIE\_AUK\_TP139A.2  
PRAIRIE\_AUK\_TP139A





# 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:454376.105 N:521344.320		<b>PRAIRIE_AUK_TP139A</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.406	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP139A.3  
PRAIRIE\_AUK\_TP139A - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

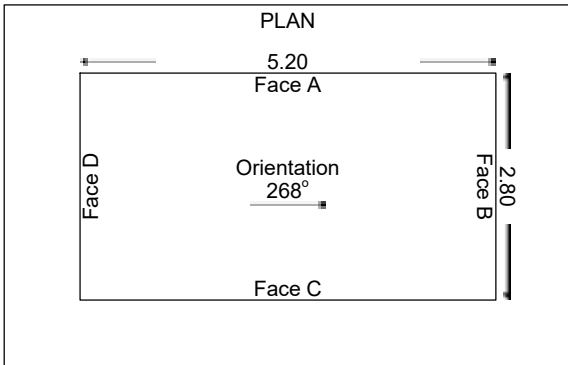
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL  
 Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454375.664 N:521349.513	<b>PRAIRIE_AUK_TP139B</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.371	Start Date: 16/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.10 0.20 0.30 0.30	J1 B2 ES3 PID	<0.1ppm	↓	7.87	(0.50)	MADE GROUND (Brown clayey very sandy gravel with medium cobble and boulder content and fragments of wood and metal. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes concrete, refractory brick and red brick. Cobbles and boulders are subangular and include red and yellow brick and concrete).	
				7.47	(0.40)		
					6.67	(0.80)	MADE GROUND (Strong grey concrete).
						(1.70)	MADE GROUND (Grey brown sandy gravel and cobbles. Gravel is fine to coarse subangular and includes red brick and refractory brick. Cobbles are subangular and include red brick and refractory brick). between c.1.20-2.20m BGL ... Face D: brick wall.
2.50	HSV	47 (16)kPa			(2.30)	Soft to firm thinly laminated grey brown sandy CLAY with fine yellow brown sand on the laminae. from c.2.00m BGL ... Face A: brick and concrete structure.	
3.00 3.10 3.30 3.30 3.50	J4 B5 ES6 PID HSV	<0.1ppm 77 (22)kPa		4.37	4.00	at c.3.00m BGL ... clay is of intermediate plasticity.  from c.3.50m BGL ... firm to stiff.	
						Complete at 4.00m BGL.	



**GROUNDWATER**  
 Water strike at 0.90m BGL.

**STABILITY**  
 Pit sides and base stable throughout excavation.

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

**GENERAL REMARKS**  
 (1) Descriptions represent Face B. Refer to following sketches 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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454375.664 N:521349.513		<b>PRAIRIE_AUK_TP139B</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.371	Start Date: 16/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP139B.1  
PRAIRIE\_AUK\_TP139B



Figure PRAIRIE\_AUK\_TP139B.2  
PRAIRIE\_AUK\_TP139B





# 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

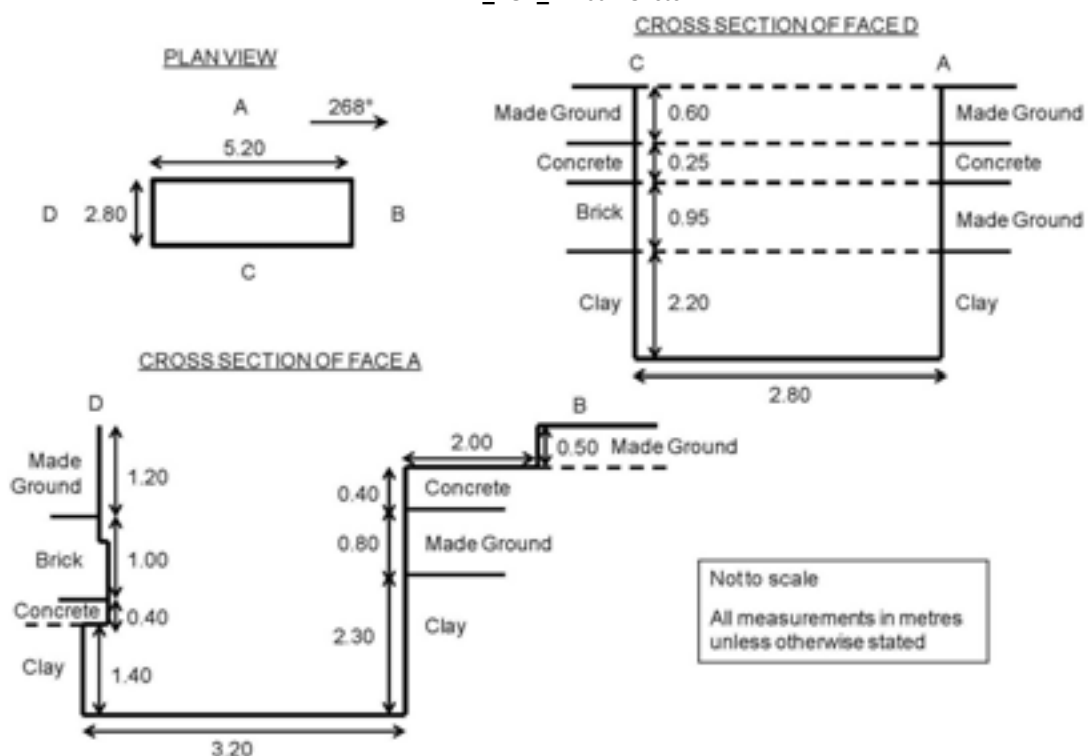
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454375.664 N:521349.513		<b>PRAIRIE_AUK_TP139B</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.371	Start Date: 16/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP139B.3  
 PRAIRIE\_AUK\_TP139B - Spoil



Figure PRAIRIE\_AUK\_TP139B.4  
 PRAIRIE\_AUK\_TP139B Sketch





# 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

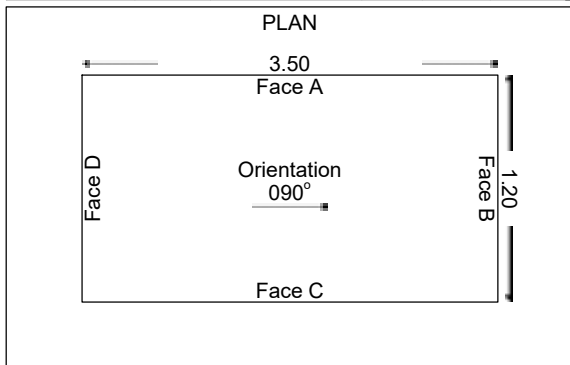
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:455029.355 N:521363.743	<b>PRAIRIE_AUK_TP140</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.765	Start Date: 23/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1			8.67	[Cross-hatched pattern]	0.10	MADE GROUND (Grey sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes sandstone, concrete and red brick).
0.50	PID	0.8ppm		8.47		0.30	
0.80	B2			8.37		0.40	
1.00	ES3					(0.80)	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	PID	<0.1ppm		7.57	[X-pattern]	1.20	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).
1.40	J4						
1.50	PID	<0.1ppm					
1.60	B5					(1.40)	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 brick, concrete and vesicular grey slag. Slag content is 25-50%).
2.40	J6					2.60	Firm (friable) brown silty CLAY with yellow silty fine to medium sand lenses. Engineer notes becoming interlaminated silt and clay with depth. <i>Complete at 2.60m BGL.</i>
2.50	B7			6.17			
2.60	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------





# 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:455029.355 N:521363.743		<b>PRAIRIE_AUK_TP140</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.765	Start Date: 23/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP140.1  
PRAIRIE\_AUK\_TP140



Figure PRAIRIE\_AUK\_TP140.2  
PRAIRIE\_AUK\_TP140





# 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:455029.355 N:521363.743		PRAIRIE_AUK_TP140
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.765	Start Date: 23/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP140.3  
PRAIRIE\_AUK\_TP140 - Spoil





# 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

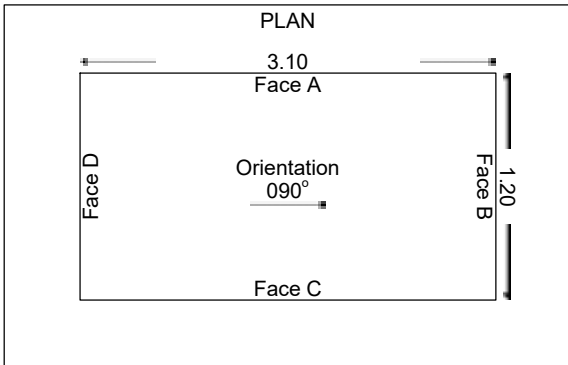
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP141	
Client: South Tees Development Corporation		Location: E:454997.498 N:521308.610	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.907	Start Date: 23/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1			8.71		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).
0.50	PID	0.8ppm				(0.70)	MADE GROUND (Grey brown black red clayey sandy gravel with high cobble content and fragments on 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 brick and concrete).
0.80	B2			8.01		0.90	MADE GROUND (Grey brown black red 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 brick and concrete).
1.00	PID	0.6ppm				(1.10)	MADE GROUND (Soft/loose black clayey silt with hydrocarbon/creosote/ammonia odour). (Engineer notes material is probably soot/chimney particles).
1.50	J3			6.91		2.00	at c.0.90m BGL ... solid brick wall section. Pit extended west to avoid.
2.00	ES4					(1.00)	MADE GROUND (Soft/loose black clayey silt with hydrocarbon/creosote/ammonia odour). (Engineer notes material is probably soot/chimney particles).
2.00	PID	1.6ppm		5.91		3.00	at c.3.00m BGL ... concrete base. Terminated at 3.00m 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**

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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454997.498 N:521308.610		<b>PRAIRIE_AUK_TP141</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.907	Start Date: 23/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP141.1  
PRAIRIE\_AUK\_TP141



Figure PRAIRIE\_AUK\_TP141.2  
PRAIRIE\_AUK\_TP141





# 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:454997.498 N:521308.610		PRAIRIE_AUK_TP141
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.907	Start Date: 23/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP141.3  
PRAIRIE\_AUK\_TP141 - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

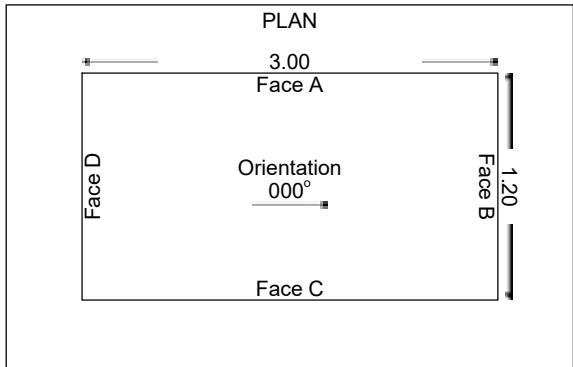
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454954.060 N:521286.604	<b>PRAIRIE_AUK_TP142</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.896	Start Date: 23/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1 PID B2	0.8ppm	~	8.70	[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 slag. Slag is vesicular grey).
0.50				(0.80)		MADE GROUND (Grey brown black 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 brick, slag and concrete. Slag content is 25-50%. Slag is vesicular green grey).	
0.70							
0.90	ES3 PID	3.9ppm		7.90		1.00	
1.00				7.70		1.20	
1.50	ES4 PID J5	3.0ppm				(0.50)	MADE GROUND (Concrete blocks (backfilled)).
1.50							MADE GROUND (Soft/loose black clayey silt with hydrocarbon/creosote/ammonia odour). (Engineer notes material is probably soot/chimney particles). at c.1.70m BGL ... concrete base.
1.60					7.20	1.70	Terminated at 1.70m BGL - due to concrete base.



**GROUNDWATER**  
Saturated strata between 1.00-1.20m BGL (Slight inflow). Engineer notes water contains globules of non aqueous phase liquid.

**STABILITY**  
Pit sides and base stable throughout excavation.

ADDITIONAL INFORMATION		
Sketch Diagram:	No Sketch Taken3	
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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454954.060 N:521286.604		<b>PRAIRIE_AUK_TP142</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.896	Start Date: 23/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP142.1  
PRAIRIE\_AUK\_TP142



Figure PRAIRIE\_AUK\_TP142.2  
PRAIRIE\_AUK\_TP142





# 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:454954.060 N:521286.604		PRAIRIE_AUK_TP142
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.896	Start Date: 23/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP142.3  
PRAIRIE\_AUK\_TP142 - Spoil







# ALLIED EXPLORATION & GEOTECHNICS LIMITED

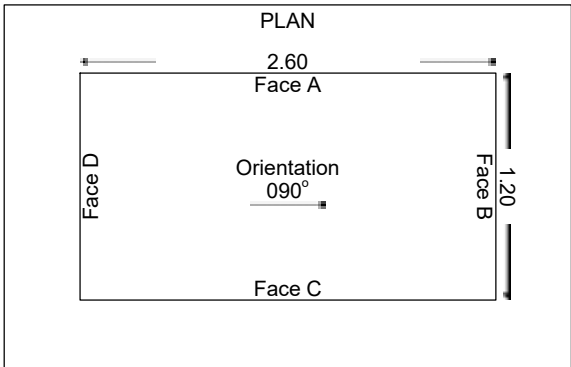
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: <b>Prairie Site Ground Investigation Works</b>		Exploratory Hole No. <b>PRAIRIE_AUK_TP143</b>
Client: <b>South Tees Development Corporation</b>	Location: <b>E:454890.560 N:521284.540</b>	
Method (Equipment): <b>Machine Excavated (360 Tracked Excavator)</b>	Ground Level (m): <b>8.721</b>	Start Date: <b>23/04/2020</b>
		Sheet: <b>1 of 3</b>

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.30	J1				(1.00)	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, weak concrete and red and yellow brick. Cobbles are angular and include brick, concrete and vesicular grey slag. Slag content is 25-50%).	
0.50	PID	<0.1ppm					
0.60	B2						
0.80	ES3				7.72	1.00	
1.00	PID	<0.1ppm				(0.80)	Firm (friable) brown silty CLAY.
1.30	J4						
1.50	B5			6.92	1.80		
1.60	ES6					<i>Terminated at 1.80m BGL - due to water ingress.</i>	



**GROUNDWATER**  
 Water strike at 1.80m BGL (Heavy inflow) - Water level rose to 1.60m BGL. Engineer notes unknown heavy water source discharging into pit. No known services in the area Arcadis instructed to backfill.

**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454890.560 N:521284.540		<b>PRAIRIE_AUK_TP143</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.721	Start Date: 23/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP143.1  
PRAIRIE\_AUK\_TP143



Figure PRAIRIE\_AUK\_TP143.2  
PRAIRIE\_AUK\_TP143





# 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:454890.560 N:521284.540		<b>PRAIRIE_AUK_TP143</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.721	Start Date: 23/04/2020	Sheet: 3 of 3

**Figure PRAIRIE\_AUK\_TP143.3**  
**PRAIRIE\_AUK\_TP143 - Spoil**





# 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

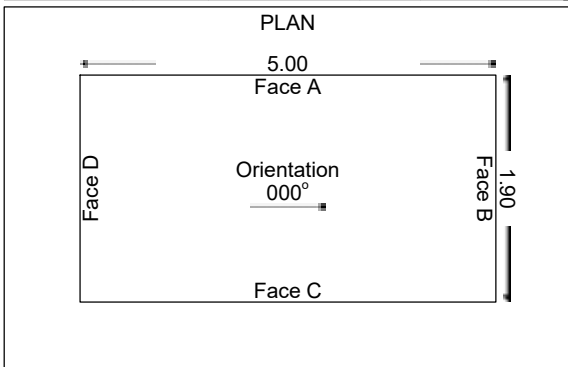
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454789.038 N:521289.908	<b>PRAIRIE_AUK_TP144</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.803	Start Date: 24/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.40	J1					MADE GROUND (Grey brown black red 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, concrete, slag and red and yellow brick. Cobbles are angular and include brick, concrete and slag. Slag content is 50-75%. Slag is vesicular grey). between c.0.00-1.20m BGL ... Faces A and C are concrete walls. at c.1.20m BGL ... concrete base. <i>Terminated at 1.20m BGL - due to concrete base.</i>
0.50	PID	0.8ppm			(1.20)	
0.60	B2					
0.80	ES3					
1.00	PID	1.5ppm		7.60	1.20	



**GROUNDWATER**  
 Saturated strata (slight inflow) at 1.10m BGL. Slight sheen noted.

**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454789.038 N:521289.908		<b>PRAIRIE_AUK_TP144</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.803	Start Date: 24/04/2020	Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP144.1  
PRAIRIE\_AUK\_TP144



Figure PRAIRIE\_AUK\_TP144.2  
PRAIRIE\_AUK\_TP144





# 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:454789.038 N:521289.908		PRAIRIE_AUK_TP144
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.803	Start Date: 24/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP144.3  
PRAIRIE\_AUK\_TP144 - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

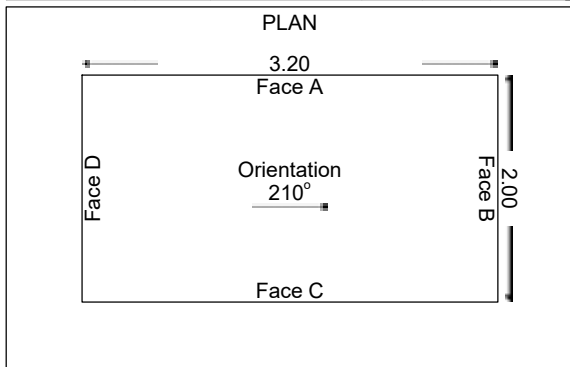
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454703.421 N:521301.805	<b>PRAIRIE_AUK_TP145</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.912	Start Date: 14/04/2020
		Sheet: 1 of 3

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.05	J1			8.81		0.10 MADE GROUND (Grass over brown sandy topsoil).
0.05	J2					
1.00	B3					at c.1.60m BGL ... slight hydrocarbon odour.
1.60	PID	0.2ppm		7.21		Firm to stiff orange brown mottled grey slightly sandy CLAY.
1.60	ES4					at c.1.90m BGL ... clay is of high plasticity.
1.90	J5					
2.00	HSV	77 (30)kPa				
2.40	B6					Firm thinly laminated grey brown slightly sandy CLAY with light grey sand on lamination surfaces. Sand is fine.
2.90	J7				at c.2.90m BGL ... clay is of high plasticity.	
3.00	HSV	64 (28)kPa				
3.40	B8				Complete at 3.50m BGL.	



**GROUNDWATER**  
 Groundwater seepage at 1.70m BGL.

**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: K. Russell-Clamp	Contract No. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454703.421 N:521301.805		PRAIRIE_AUK_TP145
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.912	Start Date: 14/04/2020	
			Sheet: 2 of 3

Figure PRAIRIE\_AUK\_TP145.1  
PRAIRIE\_AUK\_TP145



Figure PRAIRIE\_AUK\_TP145.2  
PRAIRIE\_AUK\_TP145







# 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:454703.421 N:521301.805	PRAIRIE_AUK_TP145
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.912	Start Date: 14/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP145.3  
PRAIRIE\_AUK\_TP145 - Spoil





# 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

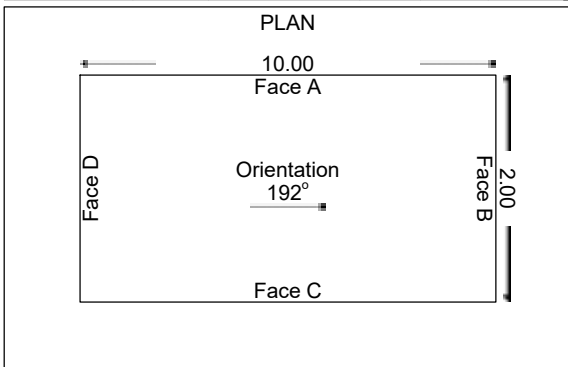
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454604.642 N:521287.306	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.695	Start Date: 14/04/2020
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				8.60	XXXXXX	0.10	MADE GROUND (Brown sandy gravelly topsoil. Sand is fine to coarse. Gravel is fine to coarse subangular and includes concrete). MADE GROUND (Strong grey concrete slab with rebar, possibly an old floor). <i>Terminated at 0.30m BGL - due to concrete base.</i>
				8.40	XXXXXX	0.30	



**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) No samples taken.  
 (2) Relocated to PRAIRIE\_AUK\_TP146A.

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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454604.642 N:521287.306		PRAIRIE_AUK_TP146
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.695	Start Date: 14/04/2020	Sheet: 2 of 2

Figure PRAIRIE\_AUK\_TP146.1  
PRAIRIE\_AUK\_TP146





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

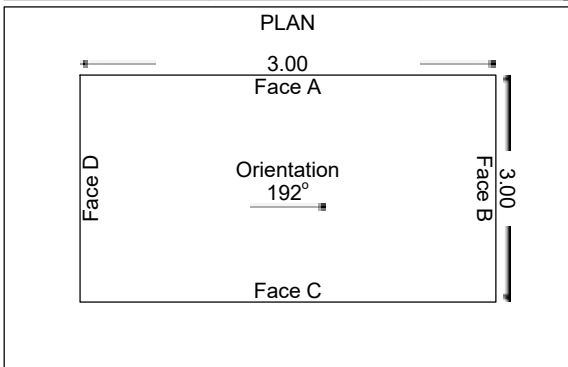
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454610.811 N:521287.001	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.602	Start Date: 14/04/2020
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				8.50	XXXXXX	0.10	MADE GROUND (Brown sandy gravelly topsoil. Sand is fine to coarse. Gravel is fine to coarse subangular and includes concrete). at c.0.10m BGL ... strong grey concrete slab, possibly an old floor. Terminated at 0.10m BGL - due to concrete base.



**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) No samples taken.  
 (2) Relocated from PRAIRIE\_AUK\_TP146.  
 (3) Relocated to 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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454610.811 N:521287.001	PRAIRIE_AUK_TP146A
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 8.602	Start Date: 14/04/2020	Sheet: 2 of 2

Figure PRAIRIE\_AUK\_TP146A.1  
PRAIRIE\_AUK\_TP146A





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

Head Office:  
Regional Office:

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

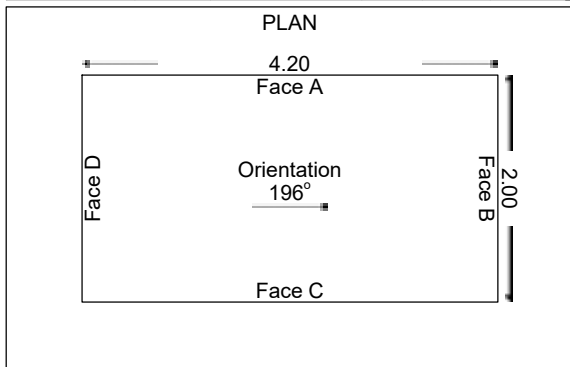
Tel: 0191 387 4700 Fax: 0191 387 4710  
Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. <b>PRAIRIE_AUK_TP146B</b>	
Client: South Tees Development Corporation		Location: E:454603.479 N:521283.232	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.643	Start Date: 14/04/2020
		Sheet: 1 of 2	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				8.54	[Cross-hatched legend symbol]	0.10	MADE GROUND (Brown sandy topsoil).
				8.34		0.30	MADE GROUND (Black sandy gravel with medium cobble content. Gravel is fine to coarse subangular and includes red brick and concrete. Cobbles are subangular and include red brick and concrete).
				8.04		0.60	MADE GROUND (Strong grey concrete slab, possibly an old floor). <i>Terminated at 0.60m BGL - due to concrete base.</i>



**GROUNDWATER**  
No groundwater inflow observed.

**STABILITY**  
Pit sides stable throughout excavation.

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

**GENERAL REMARKS**  
 (1) No samples taken.  
 (2) Relocated from PRAIRIE\_AUK\_TP146A.  
 (3) Relocated to PRAIRIE\_AUK\_TP146C.

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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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	

Figure PRAIRIE\_AUK\_TP146B.1  
PRAIRIE\_AUK\_TP146B



Figure PRAIRIE\_AUK\_TP146B.2  
PRAIRIE\_AUK\_TP146B - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

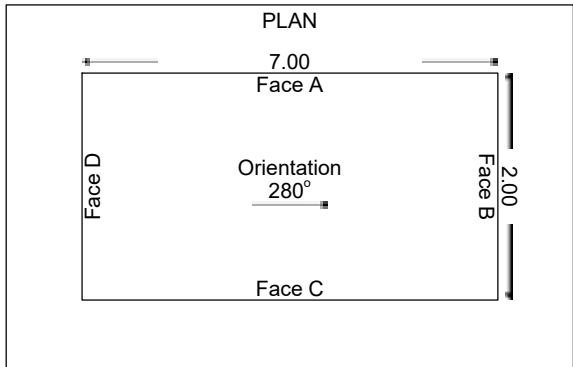
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works			<b>Exploratory Hole No.</b>
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454595.940 N:521282.000	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 8.682	<b>Start Date:</b> 14/04/2020
			<b>Sheet:</b> 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	MADE GROUND (Strong grey concrete).
				7.78			0.90	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).
1.00	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	Stiff grey brown slightly sandy CLAY. at c.1.70m BGL ... clay is of high plasticity.
1.30	ES5							
1.30	B6							
1.50	HSV	97 (40)kPa						
1.70	J7							
					(1.60)			
2.30	B8						from c.2.50m BGL ... fissured.	
2.50	PID	<0.1ppm						
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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------





# 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:454595.940 N:521282.000		<b>PRAIRIE_AUK_TP146C</b>
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





# 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:-

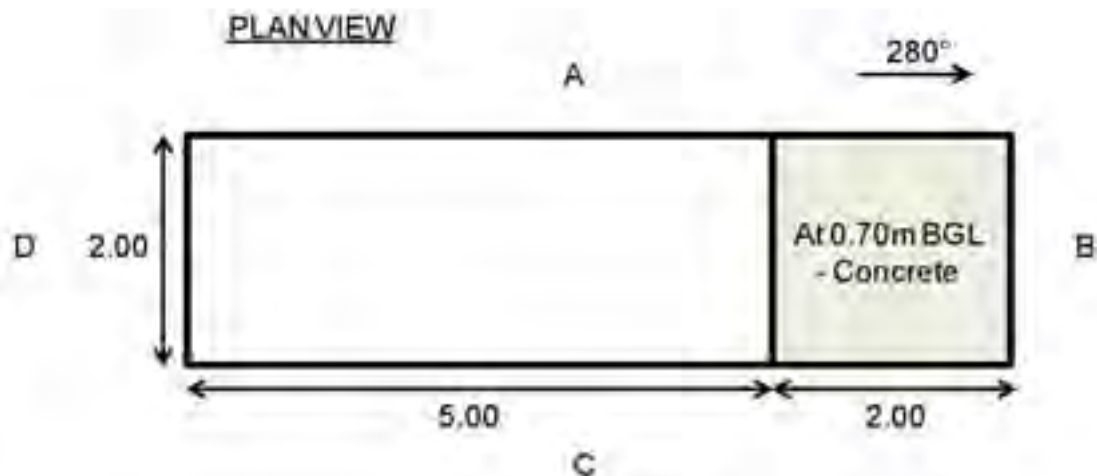
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454595.940 N:521282.000		<b>PRAIRIE_AUK_TP146C</b>
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



# ALLIED EXPLORATION & GEOTECHNICS LIMITED

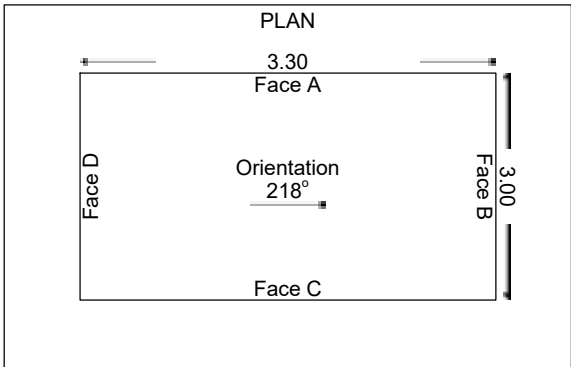
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works			<b>Exploratory Hole No.</b>		
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454535.320 N:521258.153		<b>PRAIRIE_AUK_TP147</b>	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 8.595	<b>Start Date:</b> 17/04/2020	<b>Sheet:</b> 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. <i>Terminated at 1.80m BGL - due to concrete base.</i>
1.50	PID						
1.70	B5						



**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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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: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: 2 of 3

Figure PRAIRIE\_AUK\_TP147.1  
PRAIRIE\_AUK\_TP147



Figure PRAIRIE\_AUK\_TP147.2  
PRAIRIE\_AUK\_TP147





# 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:-

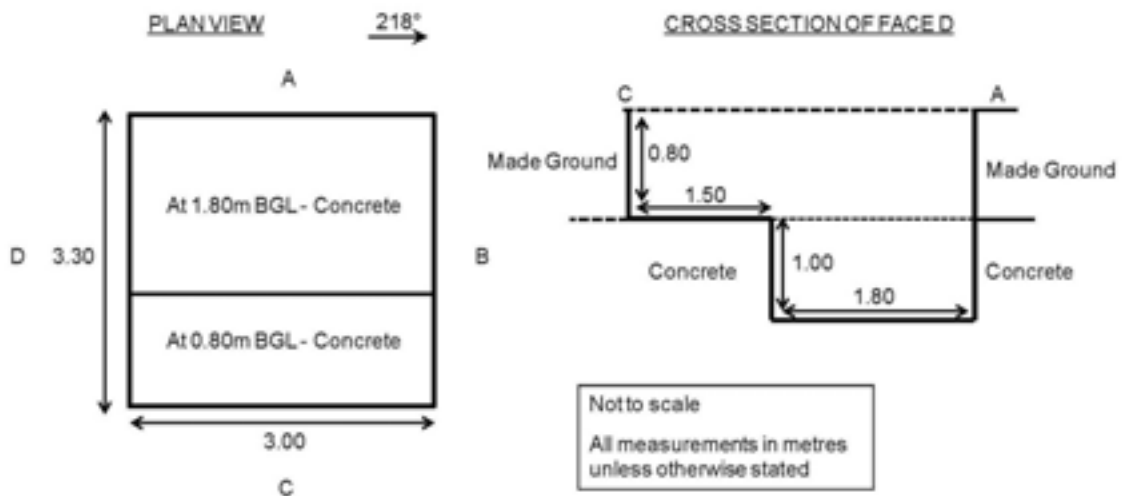
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454535.320 N:521258.153		<b>PRAIRIE_AUK_TP147</b>
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





# 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

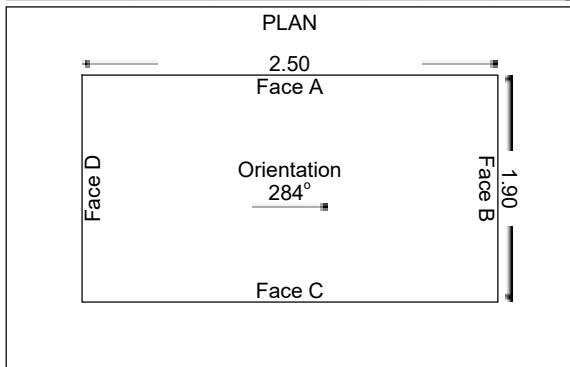
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP148	
Client: South Tees Development Corporation		Location: E:454428.137 N:521287.984	
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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

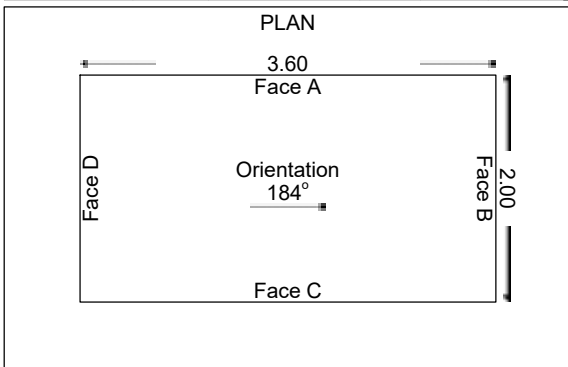
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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)	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					1.50	
1.40	ES5					(0.50)	between c.1.00-1.20m BGL ... strong grey reinforced concrete (10mm diameter rebar).
1.40	PID						
1.70	B6		6.96		2.00	MADE GROUND (Strong ground grey concrete or slag). <i>Terminated at 2.00m BGL - due to concrete/slag base.</i>	



**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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------





# 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:454424.353 N:521284.277		<b>PRAIRIE_AUK_TP148A</b>
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





# 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: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





# 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

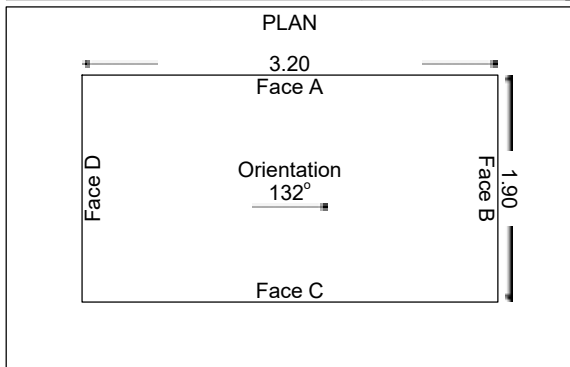
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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. <b>4251</b>
--	---	----------------------------	--------------------------------	-----------------------------



# 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: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	

Figure PRAIRIE\_AUK\_TP149.1  
PRAIRIE\_AUK\_TP149



Figure PRAIRIE\_AUK\_TP149.2  
PRAIRIE\_AUK\_TP149





# 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: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





# 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

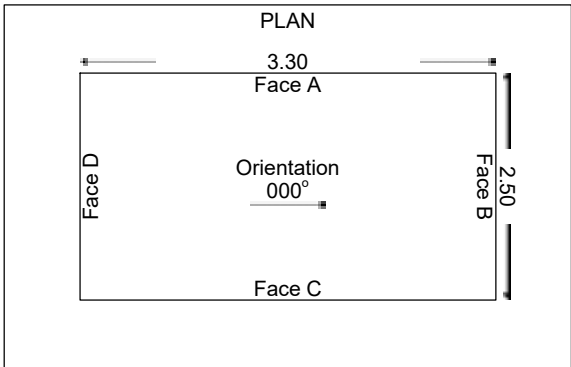
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

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					
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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454235.334 N:521322.653		<b>PRAIRIE_AUK_TP150</b>
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





# 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:454235.334 N:521322.653		<b>PRAIRIE_AUK_TP150</b>
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







# 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:-

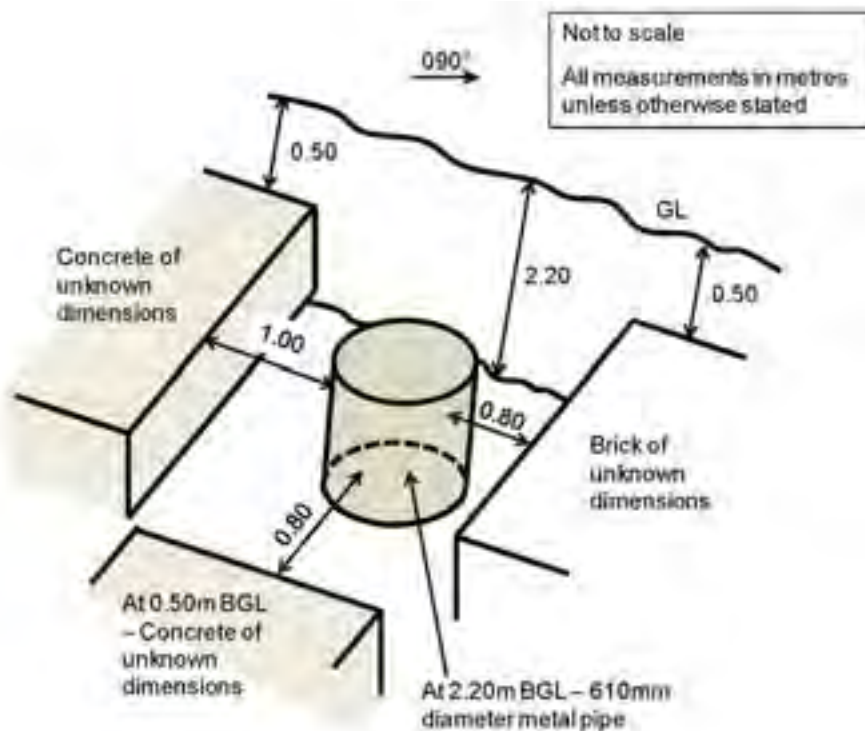
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454235.334 N:521322.653		<b>PRAIRIE_AUK_TP150</b>
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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

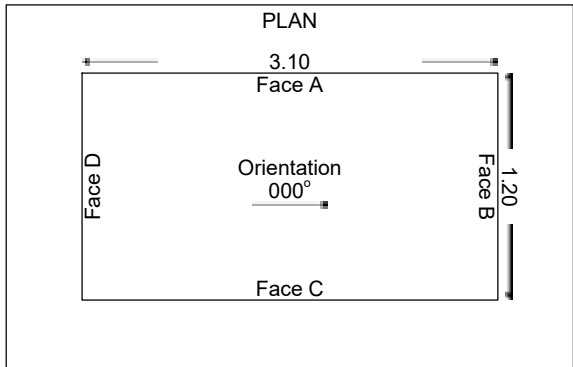
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

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		2.90	
3.00	PID	<0.1ppm			[X-pattern]		Firm (friable) brown silty CLAY with yellow silty fine to medium sand lenses. Engineer notes becoming faintly interlaminated silt and clay with depth.
3.20	B9						
3.80	J10					(1.30)	
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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:455089.187 N:521231.720		<b>PRAIRIE_AUK_TP151</b>
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





# 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:455089.187 N:521231.720		<b>PRAIRIE_AUK_TP151</b>
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





# 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

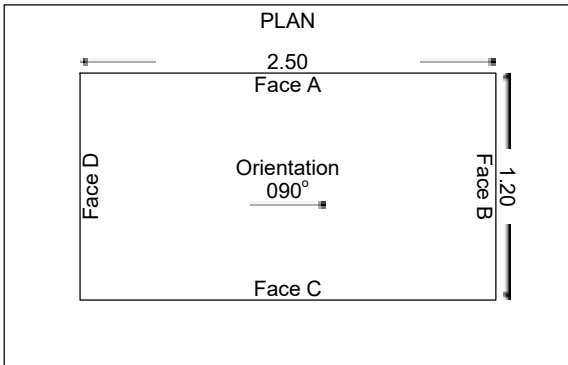
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:455033.237 N:521245.226	<b>PRAIRIE_AUK_TP152</b>
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	[Cross-hatched pattern]	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				[Cross-hatched pattern]	(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				[Cross-hatched pattern]	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).
1.80	B5						
2.00	ES6			7.86			
							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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:455033.237 N:521245.226		<b>PRAIRIE_AUK_TP152</b>
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





# 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. PRAIRIE_AUK_TP152	
Client: South Tees Development Corporation	Location: E:455033.237 N:521245.226		Sheet: 3 of 3
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 9.958	Start Date: 22/04/2020	

Figure PRAIRIE\_AUK\_TP152.3  
PRAIRIE\_AUK\_TP152 - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

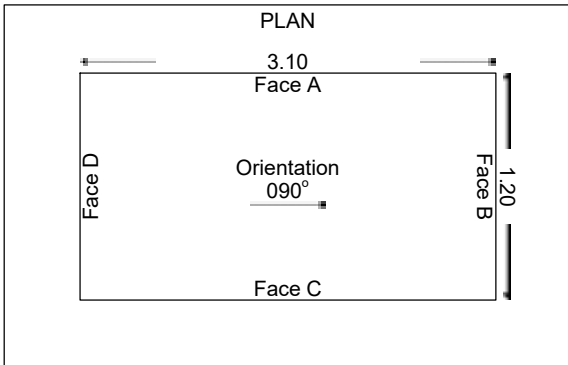
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1			9.24	[Cross-hatch 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	[Cross-hatch pattern]	0.30	
0.80	J2			8.84	[Cross-hatch pattern]	0.60	MADE GROUND (Macadam).
0.90	B3				[Cross-hatch pattern]	(0.60)	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).
1.00	PID	0.5ppm		8.24	[Cross-hatch pattern]	1.20	
1.10	ES4				[Cross-hatch pattern]		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	J5	<0.1ppm			[Horizontal dashes]	(1.20)	
1.50	PID	<0.1ppm			[Horizontal dashes]		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.
1.60	B6				[Horizontal dashes]		
2.00	PID	<0.1ppm			[Horizontal dashes]		Terminated at 2.40m BGL - due to service.
2.40	J7			7.04	[Horizontal dashes]	2.40	



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------





# 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: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	

Figure PRAIRIE\_AUK\_TP153.1  
PRAIRIE\_AUK\_TP153



Figure PRAIRIE\_AUK\_TP153.2  
PRAIRIE\_AUK\_TP153





# 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: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





# 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

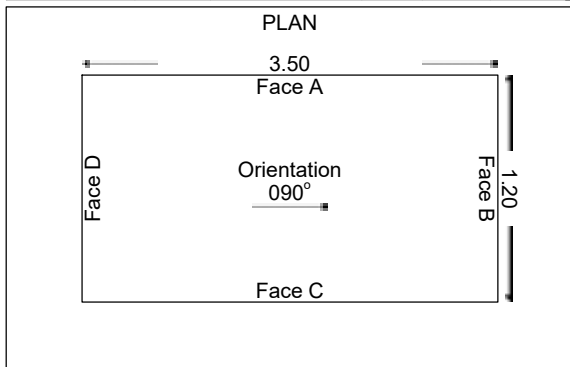
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454781.179 N:521239.256	<b>PRAIRIE_AUK_TP154</b>
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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454781.179 N:521239.256		<b>PRAIRIE_AUK_TP154</b>
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





# 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:454781.179 N:521239.256		<b>PRAIRIE_AUK_TP154</b>
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





# 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

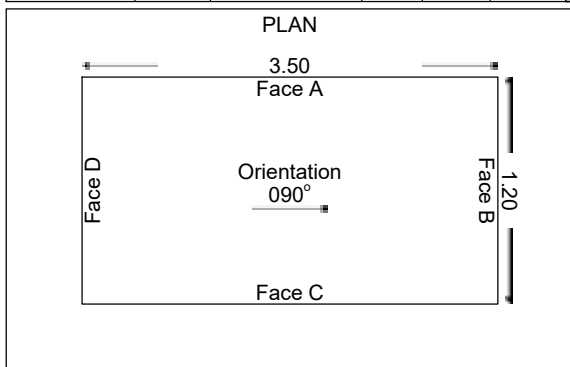
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP155	
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	1.8ppm	~	9.34	[Cross-hatched]	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			9.24		0.30	
0.50	ES3					(0.50)	
0.70				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					
1.20	J4					(1.40)	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).
1.50	PID	<0.1ppm					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.
1.60	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:-

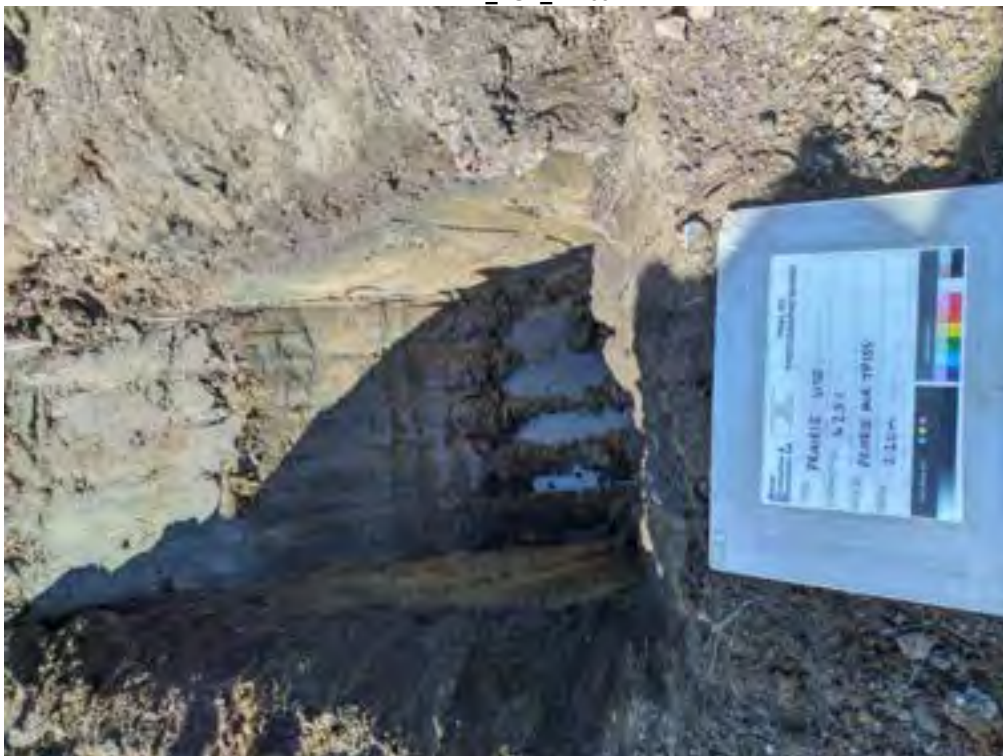
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454696.705 N:521187.080		<b>PRAIRIE_AUK_TP155</b>
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





# 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:454696.705 N:521187.080		<b>PRAIRIE_AUK_TP155</b>
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







# 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

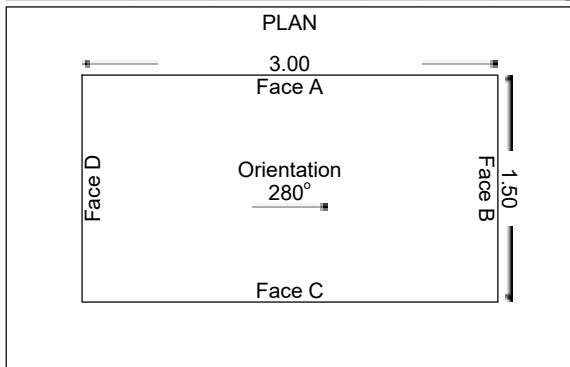
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454622.162 N:521209.315	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 8.945	Start Date: 14/04/2020
		Sheet: 1 of 3	

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
			↓	8.35		0.60	MADE GROUND (Black clayey sandy gravel with medium cobble content and fragments of wood and metal. Gravel is fine to coarse subangular to subrounded 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.0.60m BGL ... concrete. <i>Terminated at 0.60m BGL - due to concrete base.</i>



**GROUNDWATER**  
 Water strike at 0.60m BGL.

**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.  
 (2) Relocated to PRAIRIE\_AUK\_TP156A.

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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454622.162 N:521209.315		<b>PRAIRIE_AUK_TP156</b>
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





# 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:454622.162 N:521209.315		<b>PRAIRIE_AUK_TP156</b>
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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

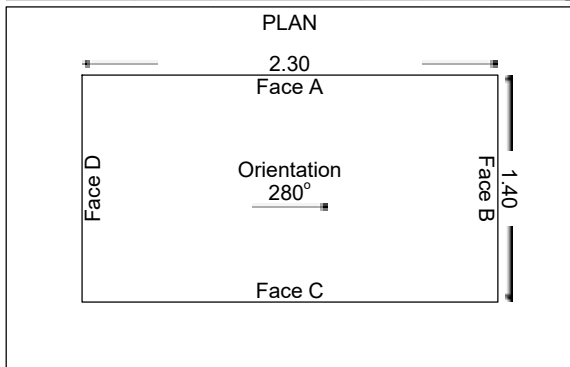
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.10	J1		Water			MADE GROUND (Black gravelly sand. Sand is fine to coarse. Gravel is fine to coarse subangular and includes ash, macadam, concrete).
0.30	ES2			8.26		
0.30	PID	<0.1ppm		8.06		MADE GROUND (Strong dark grey fine grained concrete or slag).
0.50	B3					Firm orange brown mottled grey slightly sandy CLAY. at c.1.10m BGL .. clay is of low plasticity.
0.70	B4					
1.00	HSV	102 (40)kPa				
1.10	J5					
1.50	B6					
2.00	HSV	99 (38)kPa				
2.10	J7			6.36		Complete at 2.50m 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: K. Russell-Clamp	Contract No. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454619.192 N:521200.662		<b>PRAIRIE_AUK_TP156A</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

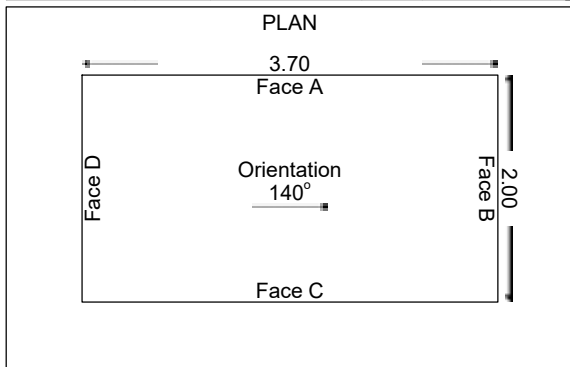
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No. <b>PRAIRIE_AUK_TP157</b>	
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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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: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







# 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

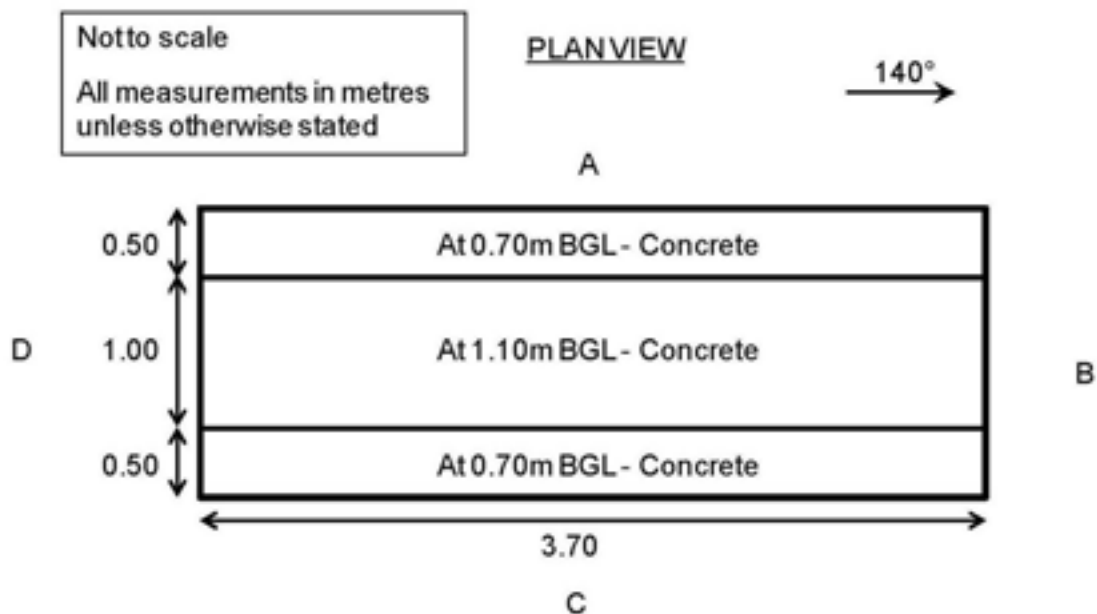
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E: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  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

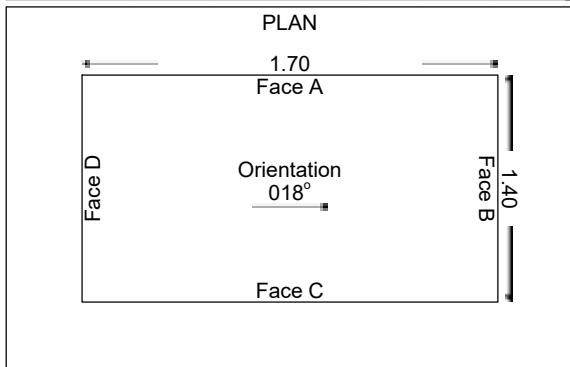
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				7.48		1.30	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>



**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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454497.482 N:521205.005		<b>PRAIRIE_AUK_TP157A</b>
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





# 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

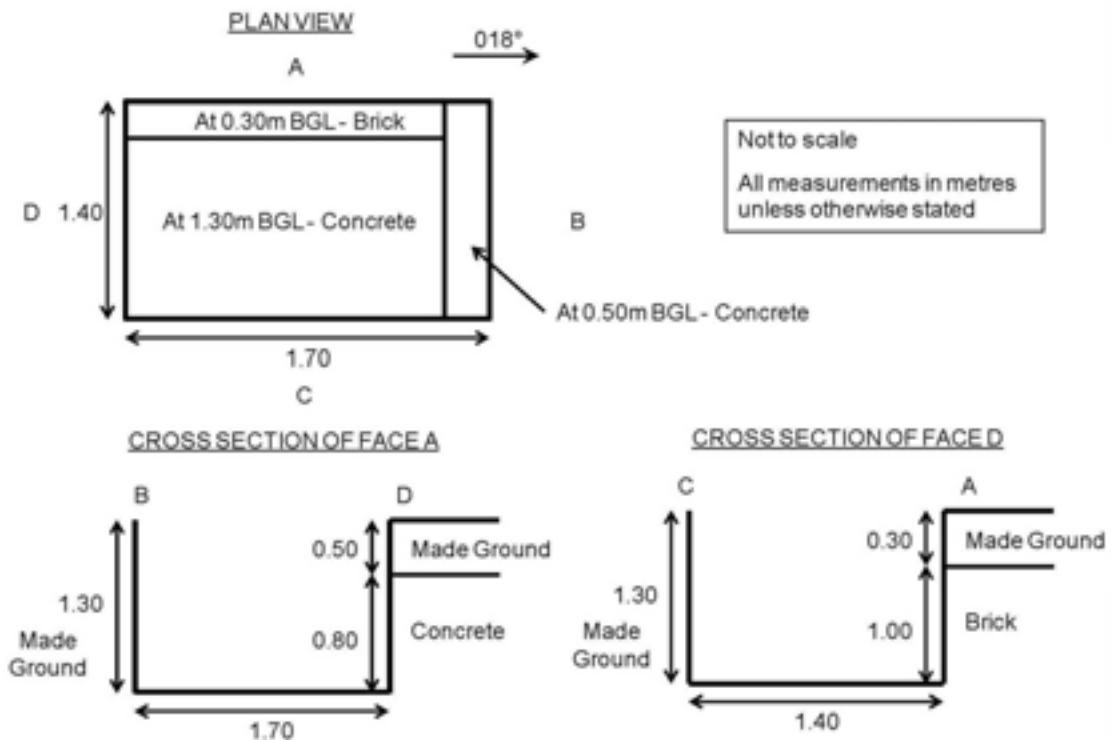
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E: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





# 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

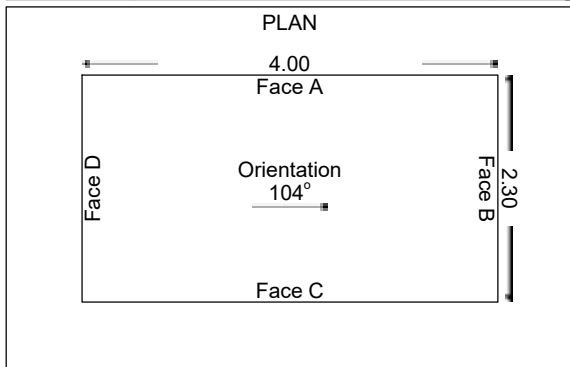
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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)).
					3.50	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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454499.221 N:521207.945		<b>PRAIRIE_AUK_TP157B</b>
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



# 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

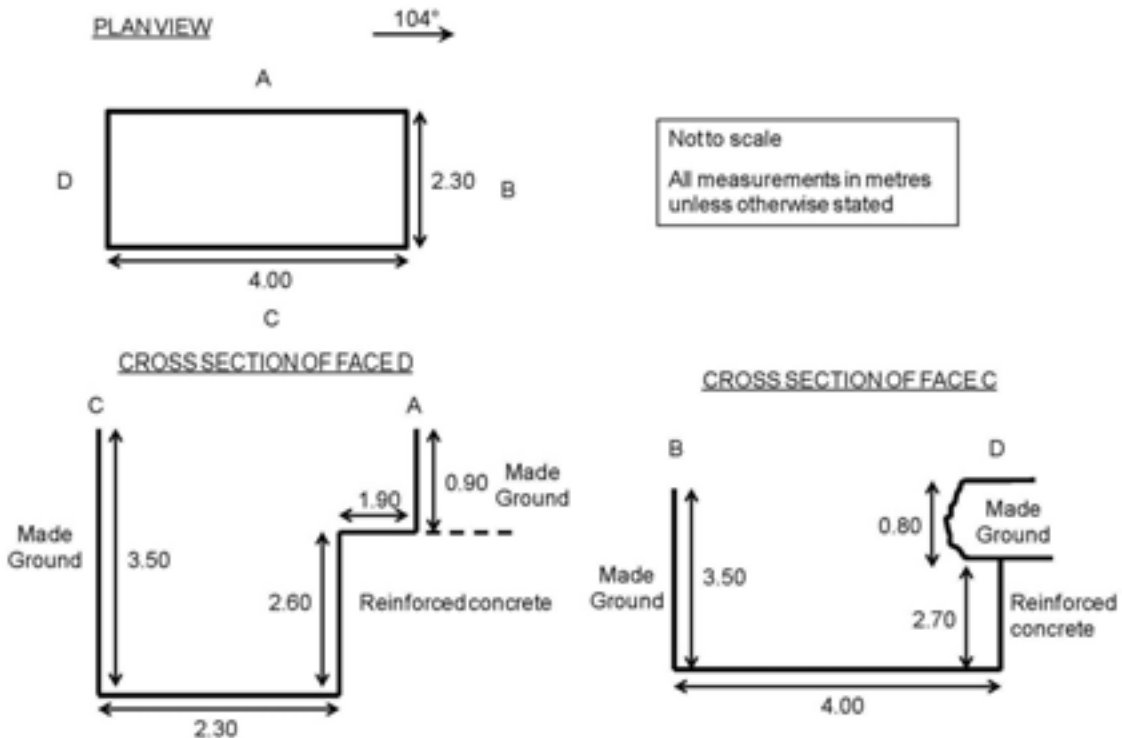
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454499.221 N:521207.945		<b>PRAIRIE_AUK_TP157B</b>
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





# 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

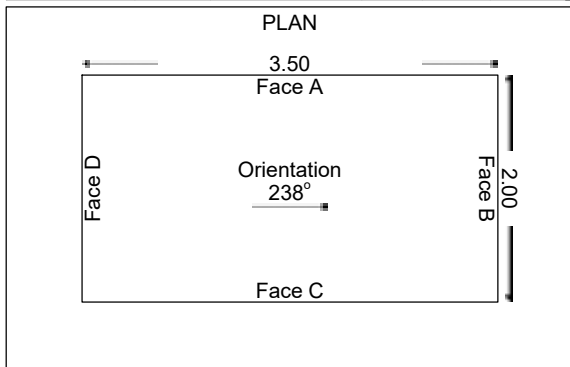
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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: 1 of 4

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.50	J1		↓		[Cross-hatch pattern]	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				Firm to stiff indistinctly laminated orange brown mottled grey slightly sandy CLAY.
1.30	PID					
1.50	J4					
1.90	B5			6.66	2.00	
2.50	J6	95 (41)kPa				Complete at 3.20m BGL.
2.50	HSV			(1.20)		
3.00	B7		5.46	3.20		



**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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------





# 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:454406.541 N:521196.157		<b>PRAIRIE_AUK_TP158</b>
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





# 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:454406.541 N:521196.157		<b>PRAIRIE_AUK_TP158</b>
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





# 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

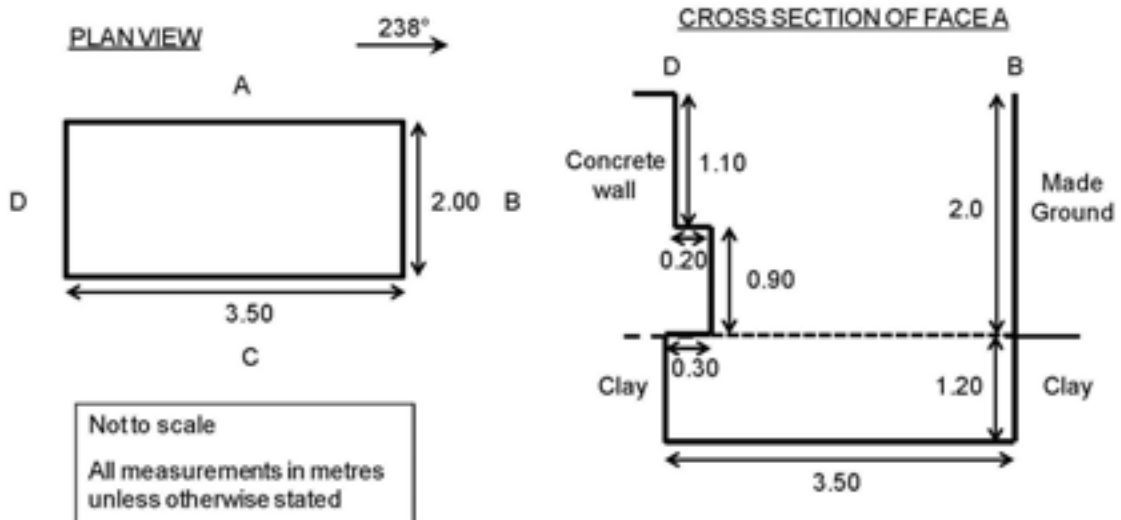
## TRIAL PIT RECORD

Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454406.541 N:521196.157		<b>PRAIRIE_AUK_TP158</b>
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





# 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

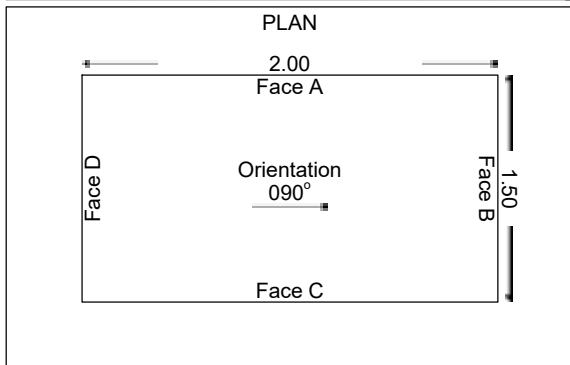
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. 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	Depth (Thickness)	Description
0.20	J1	<0.1ppm		8.01		(0.90)	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%).
0.40	B2					(0.60)	MADE GROUND (Brown gravel. Gravel is fine to medium subrounded and includes sandstone and clinker). (Pipe bedding).
0.60	ES3					7.41	at c.1.20m BGL ... 150mm diameter clay pipe (broken).
0.60	PID					(1.00)	Soft to firm (friable) interlaminated brown SILT and CLAY with silty sand/sandy silt lenses.
1.80	J4						
2.30	B5			6.41		2.50	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454285.744 N:521206.190		<b>PRAIRIE_AUK_TP159</b>
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





# 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:454285.744 N:521206.190		<b>PRAIRIE_AUK_TP159</b>
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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

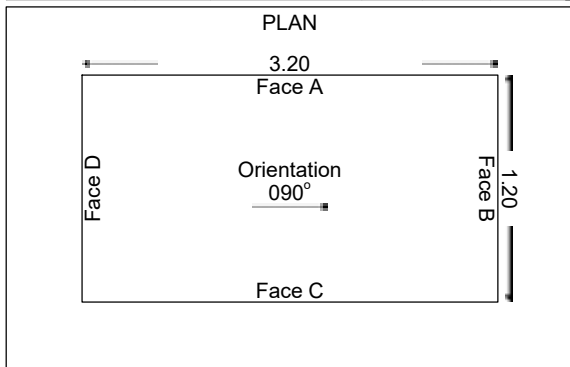
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.20	J1					(0.40)	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454601.562 N:521089.621		<b>PRAIRIE_AUK_TP160</b>
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







# 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:454601.562 N:521089.621		<b>PRAIRIE_AUK_TP160</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 10.063	Start Date: 21/04/2020	Sheet: 3 of 3

Figure PRAIRIE\_AUK\_TP160.3  
PRAIRIE\_AUK\_TP160



Figure PRAIRIE\_AUK\_TP160.4  
PRAIRIE\_AUK\_TP160 - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

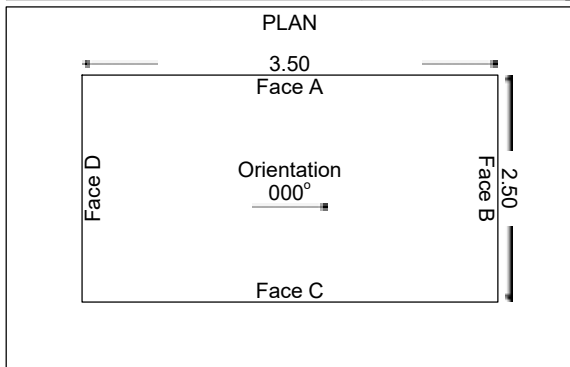
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50	J1			9.73	[Cross-hatched pattern]	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	[Cross-hatched pattern]	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				[Horizontal line pattern]		(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	[Horizontal line pattern]	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454550.399 N:521081.305		<b>PRAIRIE_AUK_TP161</b>
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





# 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:454550.399 N:521081.305		<b>PRAIRIE_AUK_TP161</b>
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





# 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

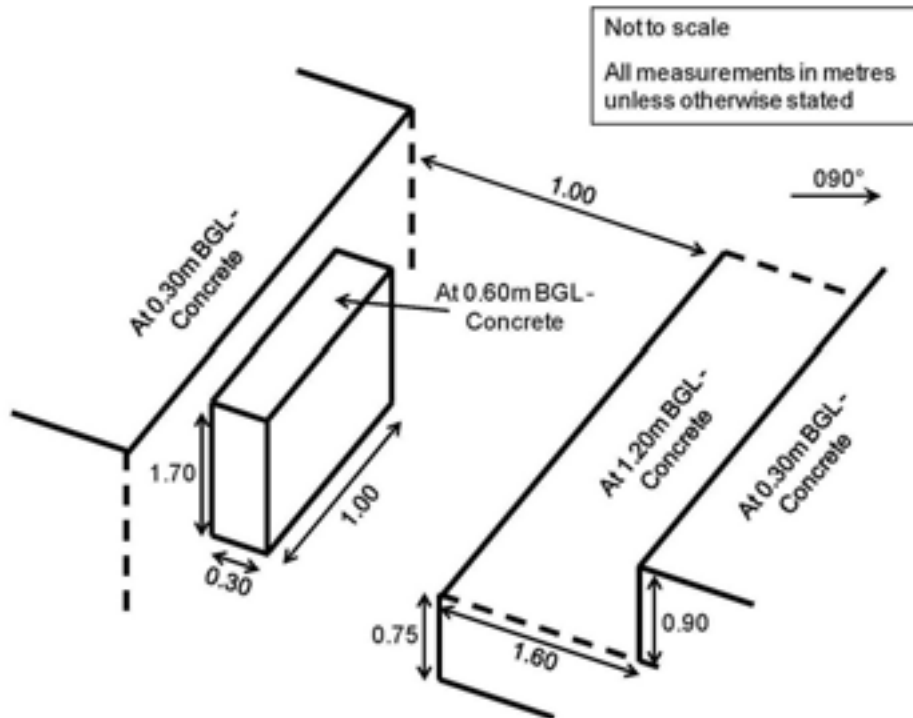
## TRIAL PIT RECORD

Status:-

**FINAL**

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

Figure PRAIRIE\_AUK\_TP161.5  
PRAIRIE\_AUK\_TP161 Sketch





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

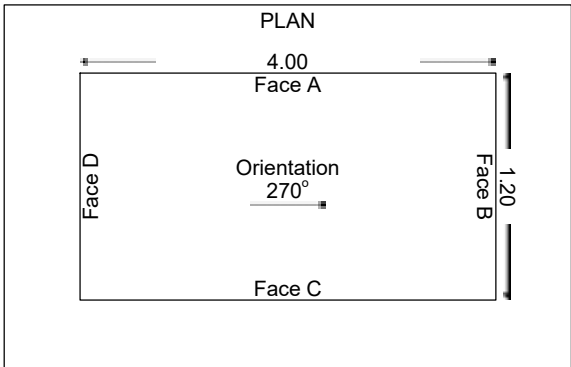
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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	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	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).
2.00	J5						
2.50	B6			6.56		4.00	at c.2.50m BGL ... clay is of high plasticity.
3.10	J7						
3.50	B8	1.00	Firm interlaminated brown slightly sandy SILT and CLAY. at c.3.10m BGL ... clay of high plasticity.				
				at c.3.50m BGL ... insufficiently cohesive.			
				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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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: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





# 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:454442.350 N:521100.483		<b>PRAIRIE_AUK_TP162</b>
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







# ALLIED EXPLORATION & GEOTECHNICS LIMITED

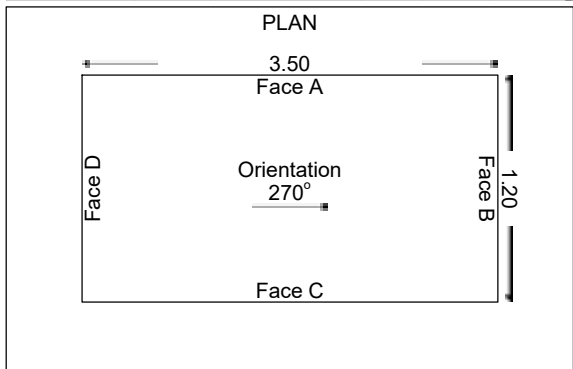
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.50	J1			9.78		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	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					
1.60	J4					1.10 Soft to firm grey brown slightly sandy CLAY.
1.70	B5					
1.90	ES6	2.1ppm				
1.90	PID	54 (36)kPa				
2.00	HSV			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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454390.977 N:521100.487		<b>PRAIRIE_AUK_TP163</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

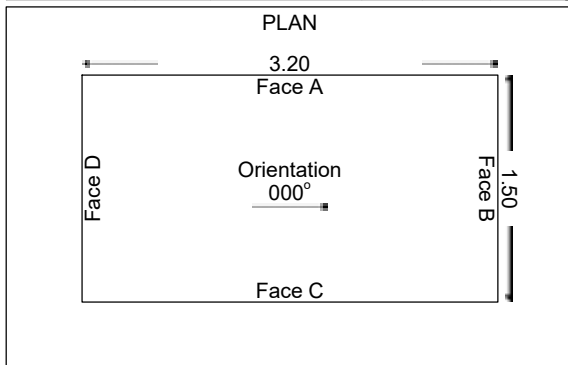
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454338.024 N:521112.664	<b>PRAIRIE_AUK_TP164</b>
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	<0.1ppm		9.60		(0.40) 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		(0.40) 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			8.80		(0.40) 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			<0.1ppm		7.60	(1.20) 2.40
1.00	B4	2.60	J8				
1.30	ES5	<0.1ppm		6.20	(1.40) 3.80	Complete at 3.80m BGL.	
1.30	PID						3.80
1.40	J6	<0.1ppm		6.20	(1.40) 3.80	Complete at 3.80m BGL.	
1.80	B7						<0.1ppm
2.60	J8	<0.1ppm		6.20	(1.40) 3.80	Complete at 3.80m BGL.	
2.80	B9						<0.1ppm
3.80	J10	<0.1ppm		6.20	(1.40) 3.80	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454338.024 N:521112.664		<b>PRAIRIE_AUK_TP164</b>
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





# 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: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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

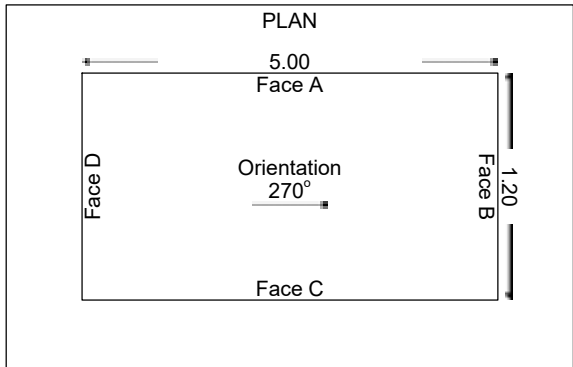
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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	<0.1ppm						
1.00	PID			(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).
3.30	PID	<0.1ppm						at c.3.30m BGL ... concrete. Engineer notes evidence of reworked clay but unable to excavate properly to determine due to concrete.
3.30	ES8			10.19			3.30	Terminated at 3.30m BGL - due to concrete base.



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------





# 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: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



# 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:-

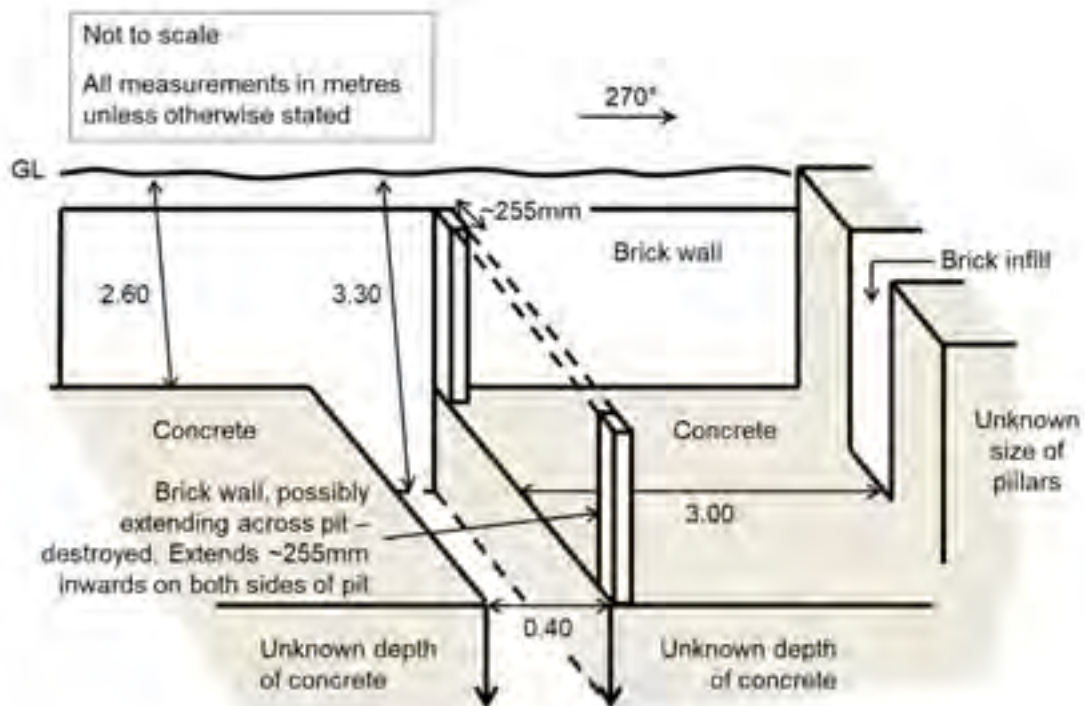
**FINAL**

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

Figure PRAIRIE\_AUK\_TP165.3  
PRAIRIE\_AUK\_TP165 - Spoil



Figure PRAIRIE\_AUK\_TP165.4  
PRAIRIE\_AUK\_TP165 Sketch





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

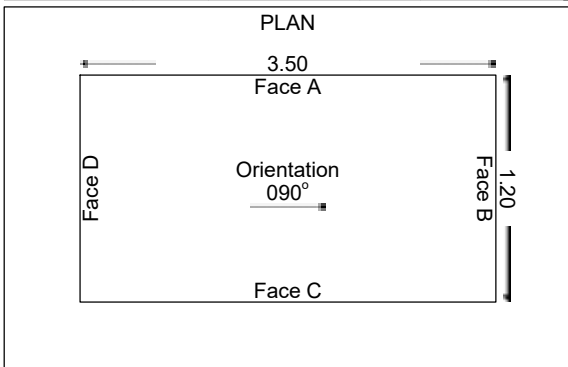
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works		<b>Exploratory Hole No.</b>	
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454598.318 N:520991.331	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 11.088	<b>Start Date:</b> 20/04/2020
		<b>Sheet:</b> 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	ES8			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. <b>4251</b>
--	---	----------------------------	-----------------------------	-----------------------------



# 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:454598.318 N:520991.331		<b>PRAIRIE_AUK_TP166</b>
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





# 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:454598.318 N:520991.331		<b>PRAIRIE_AUK_TP166</b>
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**





# 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

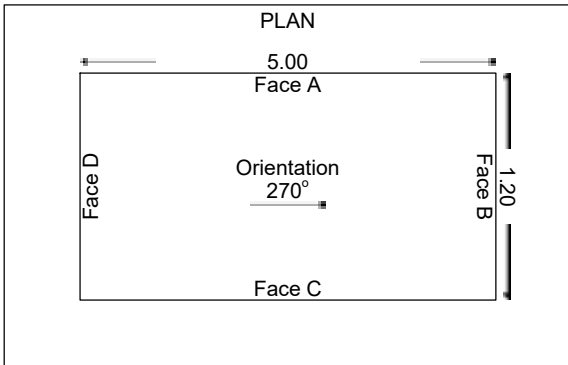
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. 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					at c.2.60m BGL ... concrete slab.
2.50	PID	<0.1ppm		10.61		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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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: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	Sheet: 2 of 2

Figure PRAIRIE\_AUK\_TP167.1  
PRAIRIE\_AUK\_TP167



Figure PRAIRIE\_AUK\_TP167.2  
PRAIRIE\_AUK\_TP167





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

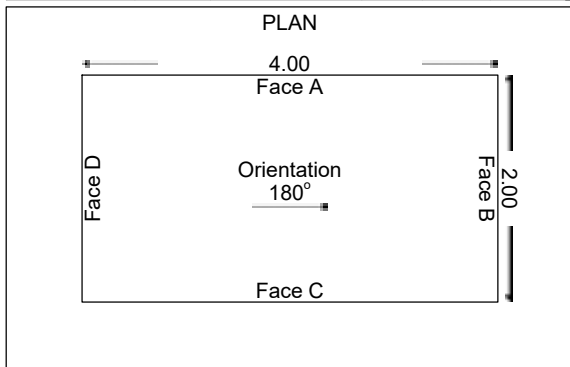
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

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).
0.05	PID			9.72		0.40	
0.20	J2			(0.70)		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)	
0.30	B3						
0.60	J4						
0.80	B5	9.02	1.10	MADE GROUND (Soft to firm grey mottled black silty clay with low cobble content. Cobbles are angular and include red brick).			
1.40	J6	(1.00)					
1.60	B7						
2.00	HSV	96 (42)kPa	8.02	2.10	Complete at 2.10m 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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

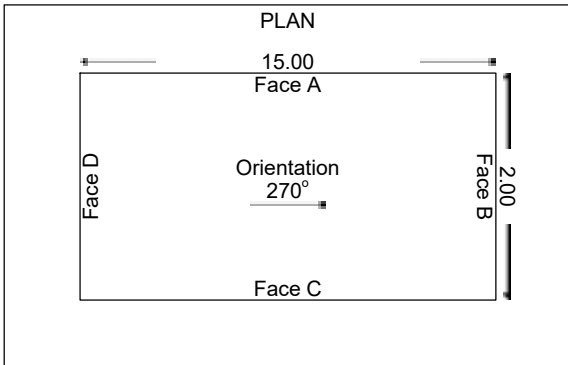
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454473.400 N:520964.531	<b>PRAIRIE_AUK_TP169</b>
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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454473.400 N:520964.531		<b>PRAIRIE_AUK_TP169</b>
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 12.930	Start Date: 15/04/2020	Sheet: 2 of 4

Figure PRAIRIE\_AUK\_TP169.1  
PRAIRIE\_AUK\_TP169



Figure PRAIRIE\_AUK\_TP169.2  
PRAIRIE\_AUK\_TP169





# 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: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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

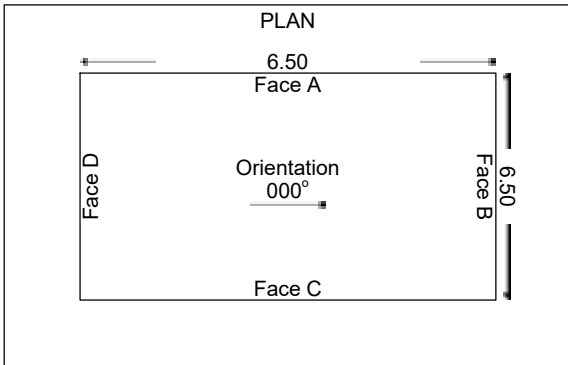
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works		<b>Exploratory Hole No.</b>	
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454583.361 N:521042.047	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 10.409	<b>Start Date:</b> 21/04/2020
		<b>Sheet:</b> 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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454583.361 N:521042.047		<b>PRAIRIE_AUK_TP170</b>
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





# 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: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







# 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

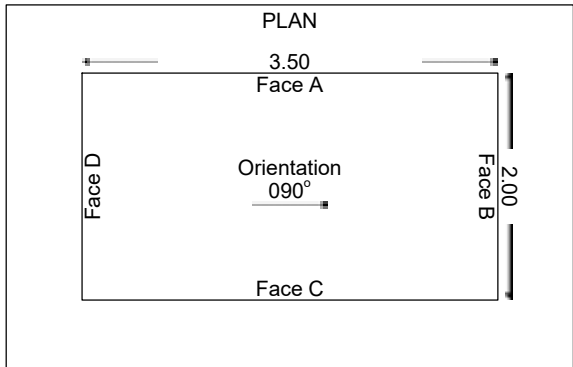
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454564.178 N:520951.248	<b>PRAIRIE_AUK_TP171</b>
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	Depth (Thickness)	Description
0.50	PID	1.4ppm		11.09	[Cross-hatched pattern]	(0.50) 0.50	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					(0.50)	
0.70	B2						
0.75	ES3			10.59	[Cross-hatched pattern]	1.00	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).
1.00	PID	1.3ppm					
1.10	J4			10.29	[Cross-hatched pattern]	1.30	MADE GROUND (Soft to firm grey mottled silty clay).
1.20	B5						
1.30	ES6						
1.50	J7					(0.80)	Firm laminated brown CLAY with yellow brown fine to coarse sand lenses.
1.50	PID	<0.1ppm					
1.80	B8			9.49	[Horizontal line pattern]	2.10	
							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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454564.178 N:520951.248		<b>PRAIRIE_AUK_TP171</b>
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





# 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:454564.178 N:520951.248		<b>PRAIRIE_AUK_TP171</b>
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





# 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

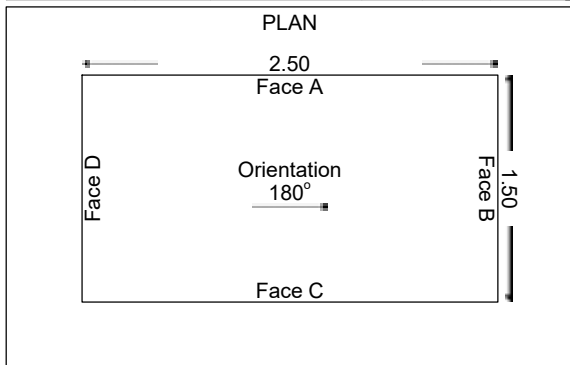
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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: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





# 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:454508.970 N:520896.605		<b>PRAIRIE_AUK_TP172</b>
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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

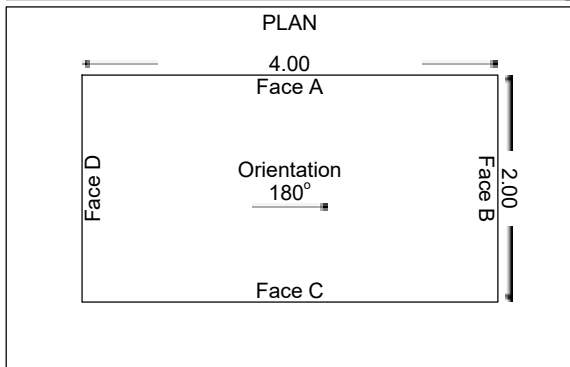
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				11.31	x x x x	0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
				11.01	x x x x	0.40	
0.60	J1	<0.1ppm	Water		x x x x		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*				x x x x	(2.30)	
1.80	B5				x x x x		
2.40	J6				x x x x		
2.50	HSV*				x x x x		
				8.71	x x x x	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454451.197 N:520922.212		<b>PRAIRIE_AUK_TP173</b>
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







# 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: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





# 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

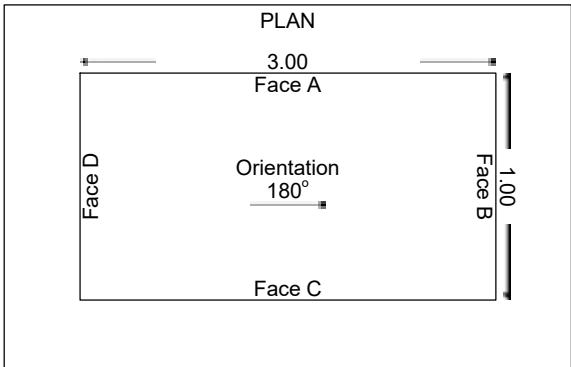
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.40	J1			11.75		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						
1.60	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454464.960 N:520888.025		<b>PRAIRIE_AUK_TP174</b>
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





# 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: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: 3 of 3

Figure PRAIRIE\_AUK\_TP174.3  
PRAIRIE\_AUK\_TP174 - Spoil





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

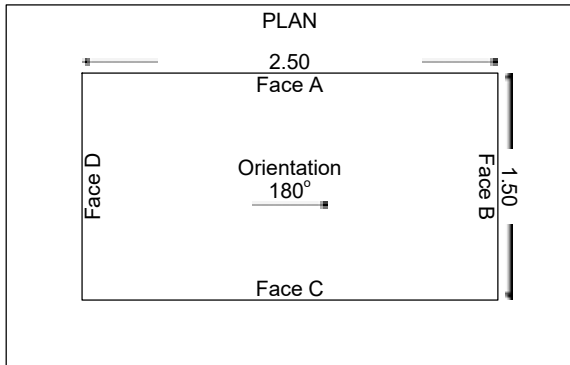
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
0.40	J1			11.79		MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash).
0.60	B2					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		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					at c.1.40m BGL ... clay is of intermediate plasticity.
1.80	ES6					
1.80	PID	5.3ppm				
2.50	HSV*					
2.60	J7					
2.80	B8					
3.50	HSV*					
3.60	J9					
				7.59		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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454511.473 N:520862.590		<b>PRAIRIE_AUK_TP175</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

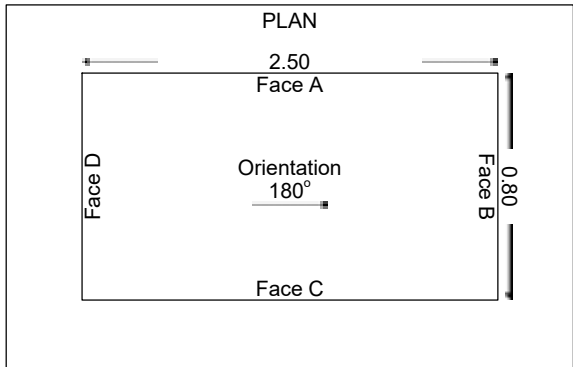
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works		<b>Exploratory Hole No.</b>	
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454471.902 N:520790.947	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 12.168	<b>Start Date:</b> 07/04/2020
		<b>Sheet:</b> 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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------





# 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:454471.902 N:520790.947		<b>PRAIRIE_AUK_TP176</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

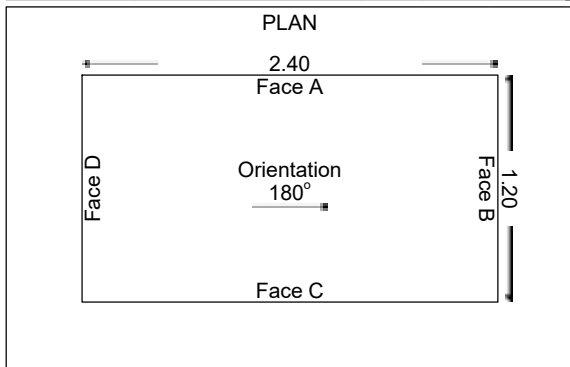
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works		<b>Exploratory Hole No.</b>	
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454522.291 N:520695.237	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 12.982	<b>Start Date:</b> 07/04/2020
		<b>Sheet:</b> 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	[Cross-hatched pattern]	0.10	MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash). MADE GROUND (Grey gravel. Gravel is coarse and includes slag. Slag content is 75-100%. Slag is vesicular (used as ballast)). 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%). MADE GROUND (Soft to firm brown grey mottled dark grey slightly sandy clay. Sand is fine to medium). 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).
0.60	ES2			12.58		0.40	
0.70	PID			12.18		0.80	
0.90	B3			11.78		1.20	
1.00	B5			10.68		2.30	
1.40	J6	<0.1ppm	☞				Terminated at 2.30m BGL - due to instability and proximity to services.
1.80	B7						
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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454522.291 N:520695.237		<b>PRAIRIE_AUK_TP177</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

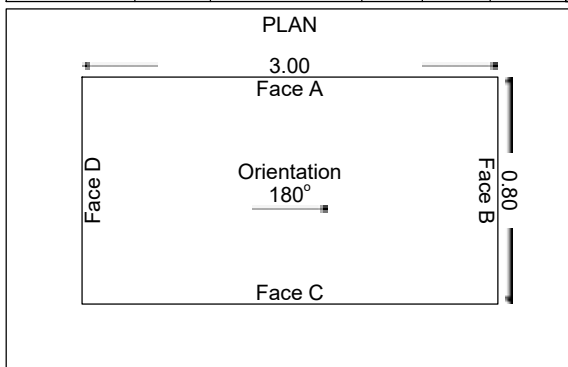
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E: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: 1 of 3

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.40	J1			13.06		0.10	
0.60	B2			12.86		0.30	
0.80	ES3	<0.1ppm				(1.20)	
0.80	PID					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).	
1.40	J4			11.66		1.50	
1.60	B5					(1.70)	
1.80	HSV	53 (26)kPa					
2.80	HSV	52 (26)kPa				9.96	3.20
3.50	HSV*					(1.30)	
						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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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: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





# 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: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







# ALLIED EXPLORATION & GEOTECHNICS LIMITED

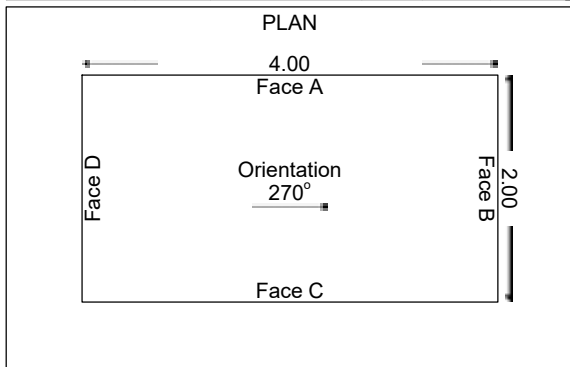
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description		
0.20	J1			10.72		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								
1.80	B6								
2.00	PID	2.1ppm							
2.00	ES7								
2.00	HSV*								



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454418.321 N:521016.092		<b>PRAIRIE_AUK_TP179</b>
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





# 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:454418.321 N:521016.092		<b>PRAIRIE_AUK_TP179</b>
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





# 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

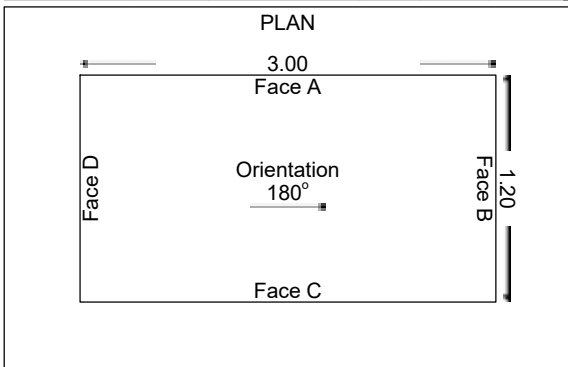
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. 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	Description
0.10 0.20 0.30 0.30	J1 B2 ES3 PID	<0.1ppm		12.17		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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454435.374 N:521058.356		<b>PRAIRIE_AUK_TP180</b>
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





# 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:454435.374 N:521058.356		<b>PRAIRIE_AUK_TP180</b>
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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

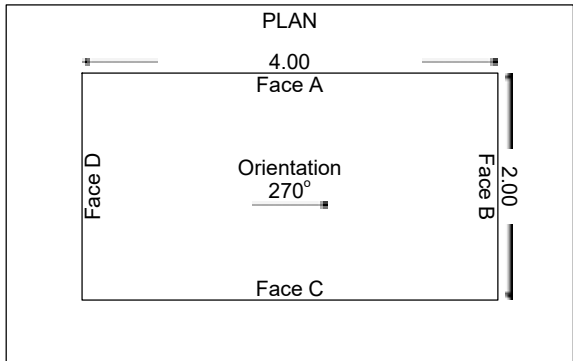
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description	
0.30	J1			10.06		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						
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						
2.00	HSV	93 (42)kPa					
2.00	B6						
2.50	ES7	<0.1ppm					
2.50	PID			7.46		Complete at 2.70m BGL.	



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454402.534 N:521065.535		<b>PRAIRIE_AUK_TP181</b>
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







# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

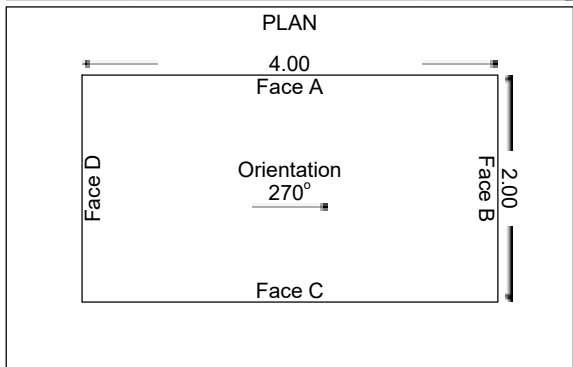
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works		<b>Exploratory Hole No.</b>	
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454443.617 N:520943.326	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 11.335	<b>Start Date:</b> 09/04/2020
		<b>Sheet:</b> 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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454443.617 N:520943.326	<b>PRAIRIE_AUK_TP182</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

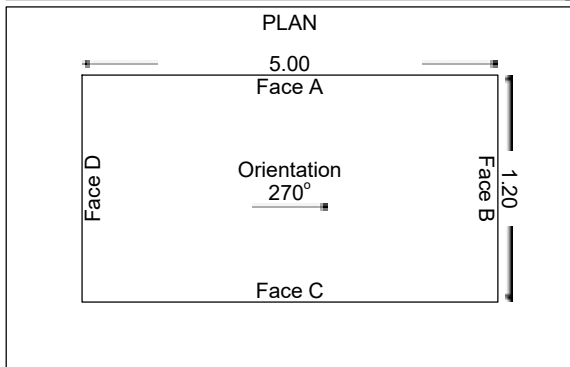
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454449.050 N:521042.255	<b>PRAIRIE_AUK_TP183</b>
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		MADE GROUND (Concrete with 10-20mm rebar. Pit extended to continue excavation).
				11.70		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).
				(2.50)		
				9.20		at c.4.10m BGL ... concrete slab. <i>Terminated at 4.10m BGL - due to concrete slab.</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**  
 (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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454449.050 N:521042.255		<b>PRAIRIE_AUK_TP183</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

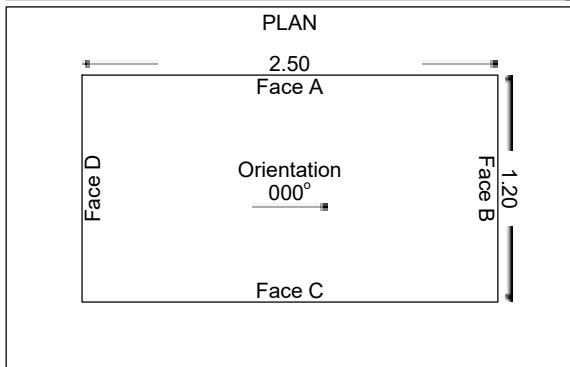
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eaman Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP184
Client: South Tees Development Corporation	Location: E:454469.256 N:520988.871	
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	J1					(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)
0.30	ES2	<0.1ppm		12.69		0.40	
0.30	PID					(0.70)	
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
--	---	------------------------	--------------------------	-------------------





# 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:454469.256 N:520988.871		<b>PRAIRIE_AUK_TP184</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

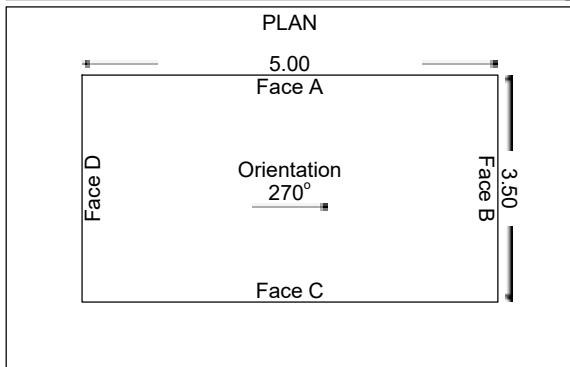
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. 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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454481.915 N:520916.920		<b>PRAIRIE_AUK_TP185</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

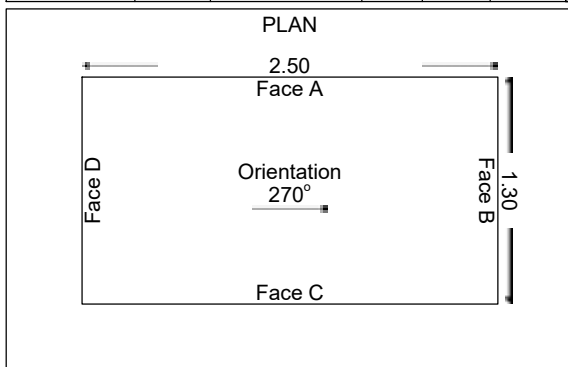
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454477.645 N:520853.859	<b>PRAIRIE_AUK_TP186</b>
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	Description	
0.35	J1	5.1ppm		12.01		MADE GROUND (Brown slightly clayey sand with many rootlets. Sand is predominantly ash).	
0.40	B2			11.71		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						
0.50	PID						
1.00	EW4						
				10.51		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). at c. 1.80m BGL ... concrete base/slab. <i>Terminated at 1.80m BGL - due to concrete slab.</i>	



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454477.645 N:520853.859		<b>PRAIRIE_AUK_TP186</b>
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





# 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: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







# ALLIED EXPLORATION & GEOTECHNICS LIMITED

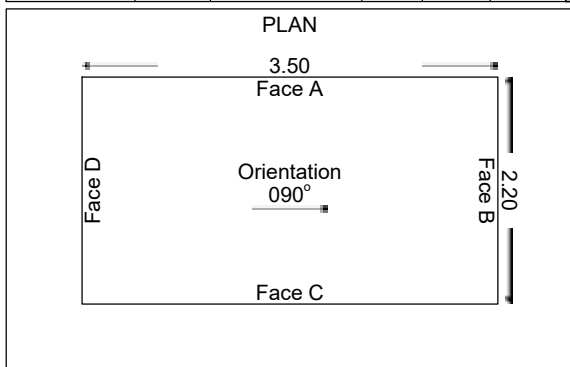
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works			<b>Exploratory Hole No.</b>	
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454559.634 N:520971.721		<b>PRAIRIE_AUK_TP187</b>
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 11.120	<b>Start Date:</b> 20/04/2020	<b>Sheet:</b> 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			9.32		(0.60)	Firm laminated brown CLAY with yellow brown fine to coarse sand lenses.	
1.00	J4			9.32				
1.10	PID							
1.30	B5							
1.50	J6							
1.80	B7							
	ES8						Complete at 1.80m 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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454559.634 N:520971.721		<b>PRAIRIE_AUK_TP187</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

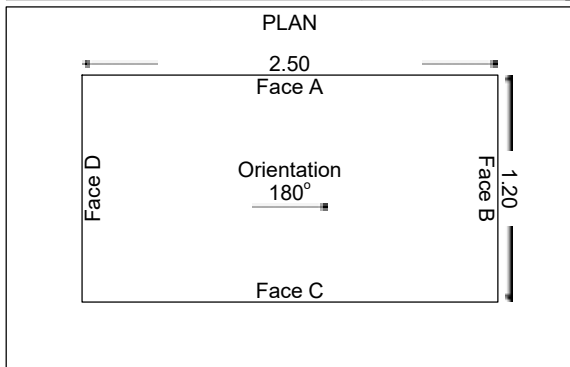
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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					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).
1.00	PID						
1.40	J4						
1.60	B5			10.52		2.10	
<p>at c.2.10m BGL .. concrete obstruction (possible basement).  <i>Terminated at 2.10m BGL - due to concrete obstruction.</i></p>							



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454468.960 N:520911.169		<b>PRAIRIE_AUK_TP188</b>
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





# 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

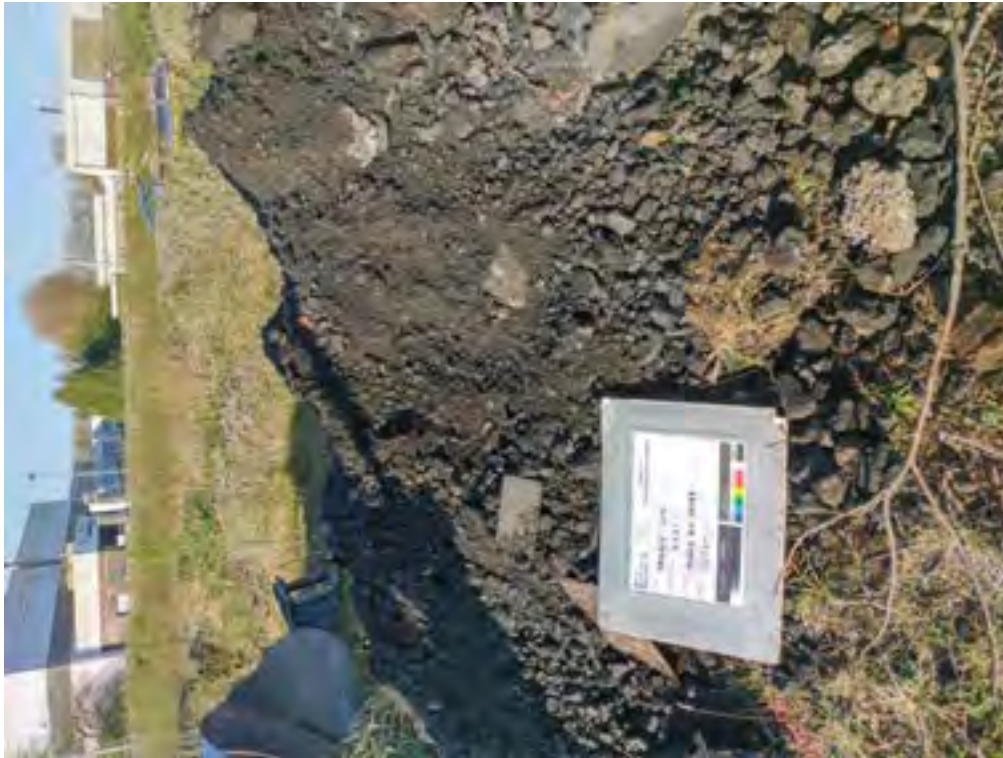
## TRIAL PIT RECORD

Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454468.960 N:520911.169		<b>PRAIRIE_AUK_TP188</b>
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**





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

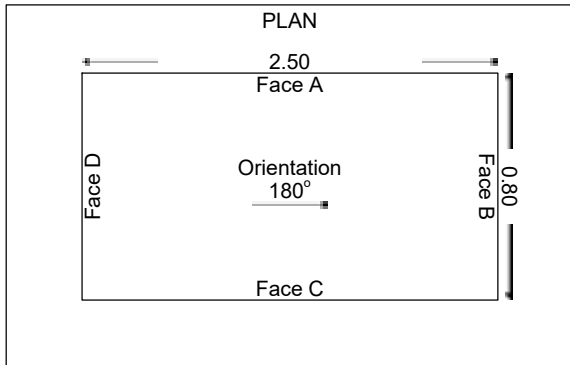
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454508.538 N:520739.484	<b>PRAIRIE_AUK_TP189</b>
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			11.38		1.30	Soft to firm grey brown mottled silty CLAY/clayey SILT with traces of organic debris.
1.50	HSV	83 (42)kPa					at c.1.40m BGL ... clay is of high plasticity.
1.50	B4					(1.40)	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			9.68		Complete at 3.00m BGL.	
3.00	PID	<0.1ppm					
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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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: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







# ALLIED EXPLORATION & GEOTECHNICS LIMITED

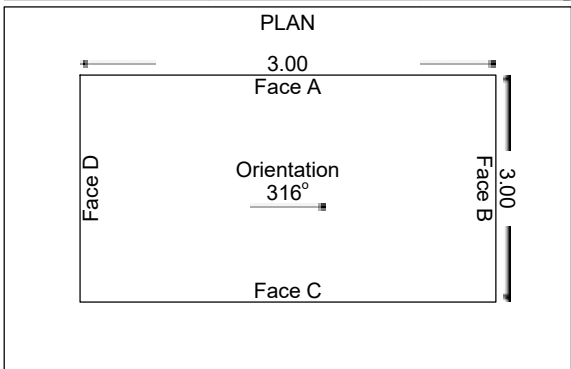
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
			↓		[Cross-hatch pattern]	(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	[Cross-hatch pattern]	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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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:454378.486 N:521222.806		<b>PRAIRIE_AUK_TP190</b>
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





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

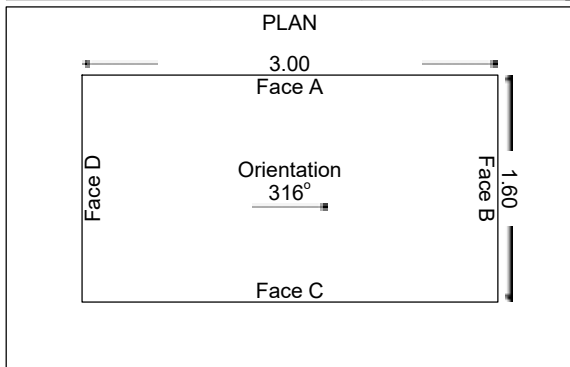
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710  
 Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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		↓		[Cross-hatch pattern]	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).	
1.00	B2			6.74		1.20	between c.0.70-1.20m BGL ... brick structure in Face C and D housing cables.
1.10	ES3	<0.1ppm					
1.10	PID						
1.50	J4						
1.50	HSV	51 (20)kPa					Firm thinly laminated grey brown slightly sandy CLAY with fine yellow brown sand on the laminae.
2.00	B5				[Horizontal line pattern]	(1.80)	
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. <b>4251</b>
--	---	---------------------------	--------------------------------	-----------------------------



# 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: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	

Figure PRAIRIE\_AUK\_TP190A.1  
PRAIRIE\_AUK\_TP190A



Figure PRAIRIE\_AUK\_TP190A.2  
PRAIRIE\_AUK\_TP190A



# 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

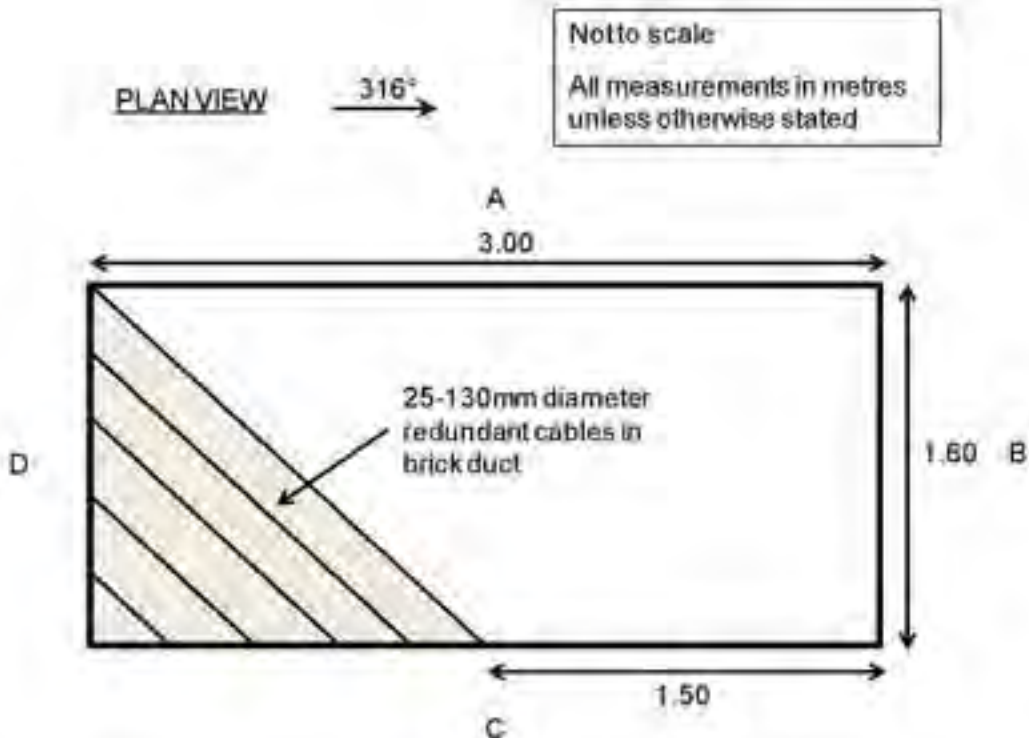
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454379.638 N:521216.552		<b>PRAIRIE_AUK_TP190A</b>
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





# 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

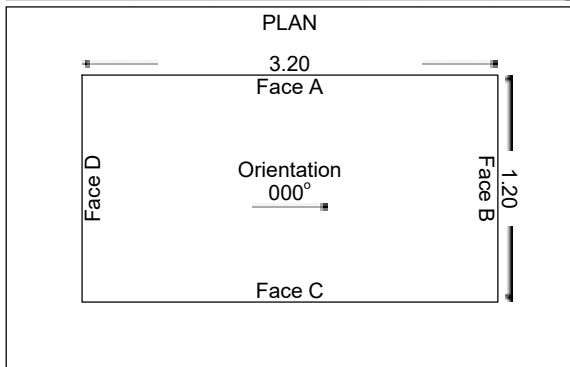
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			Water	STRATA			
Depth	Type No	Test Result		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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454367.523 N:521122.414		<b>PRAIRIE_AUK_TP191</b>
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







# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

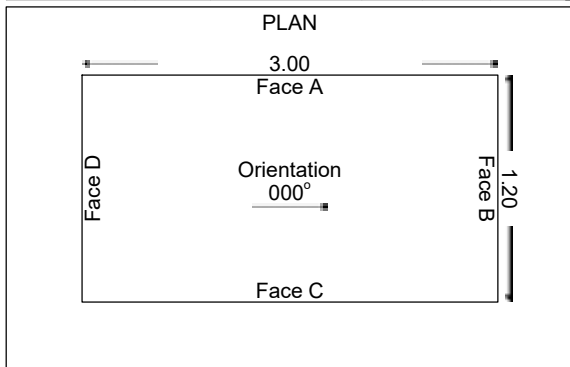
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
				9.15	[Cross-hatch pattern]	0.10	MADE GROUND (Brown black sand with many rootlets. Sand is fine to coarse and predominantly ash).
				8.15	[Cross-hatch pattern]	1.10	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).
				7.95	[Horizontal line pattern]	1.30	Soft becoming firm grey mottled black slightly sandy CLAY. Sand is fine to medium.
				7.15	[Horizontal line pattern]	2.10	Firm brown grey CLAY.
							(0.80)



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454373.500 N:521098.322		<b>PRAIRIE_AUK_TP192</b>
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

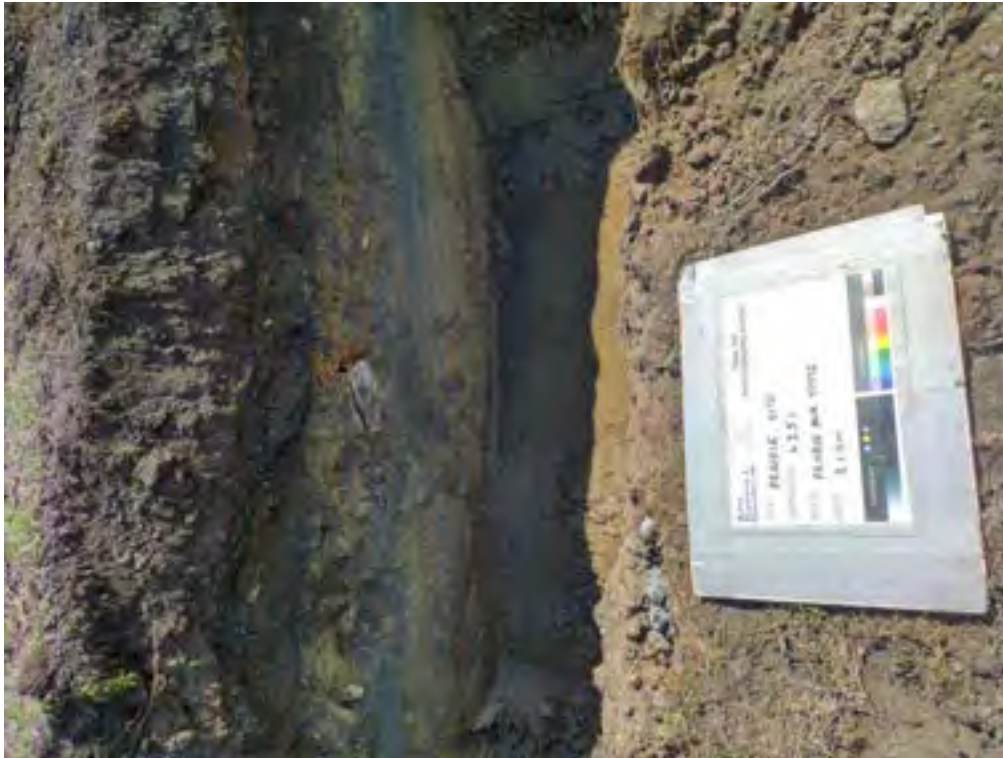


Figure PRAIRIE\_AUK\_TP192.2  
PRAIRIE\_AUK\_TP192





# 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: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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

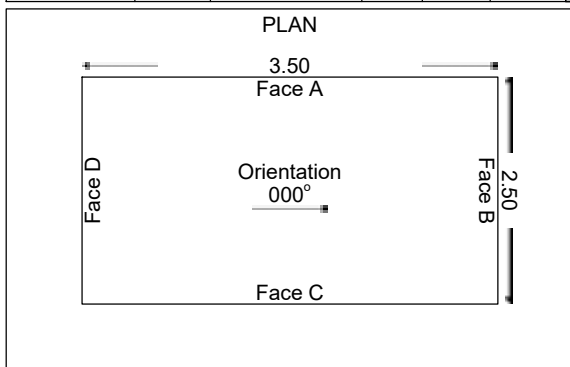
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

<b>Project:</b> Prairie Site Ground Investigation Works		<b>Exploratory Hole No.</b>	
<b>Client:</b> South Tees Development Corporation		<b>Location:</b> E:454417.220 N:521030.278	
<b>Method (Equipment):</b> Machine Excavated (360 Tracked Excavator)		<b>Ground Level (m):</b> 10.665	<b>Start Date:</b> 30/04/2020
		<b>Sheet:</b> 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)	0.60	
				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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454417.220 N:521030.278		<b>PRAIRIE_AUK_TP193</b>
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





# 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:454417.220 N:521030.278		<b>PRAIRIE_AUK_TP193</b>
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





# 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

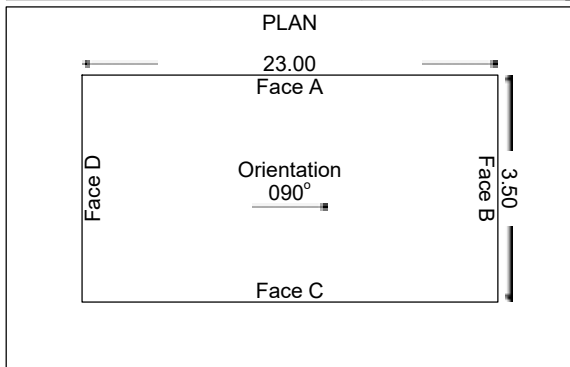
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E:454417.220 N:521030.278	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------





# 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: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.1  
PRAIRIE\_AUK\_TP193A



Figure PRAIRIE\_AUK\_TP193A.2  
PRAIRIE\_AUK\_TP193A





# 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: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





# 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: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





# 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

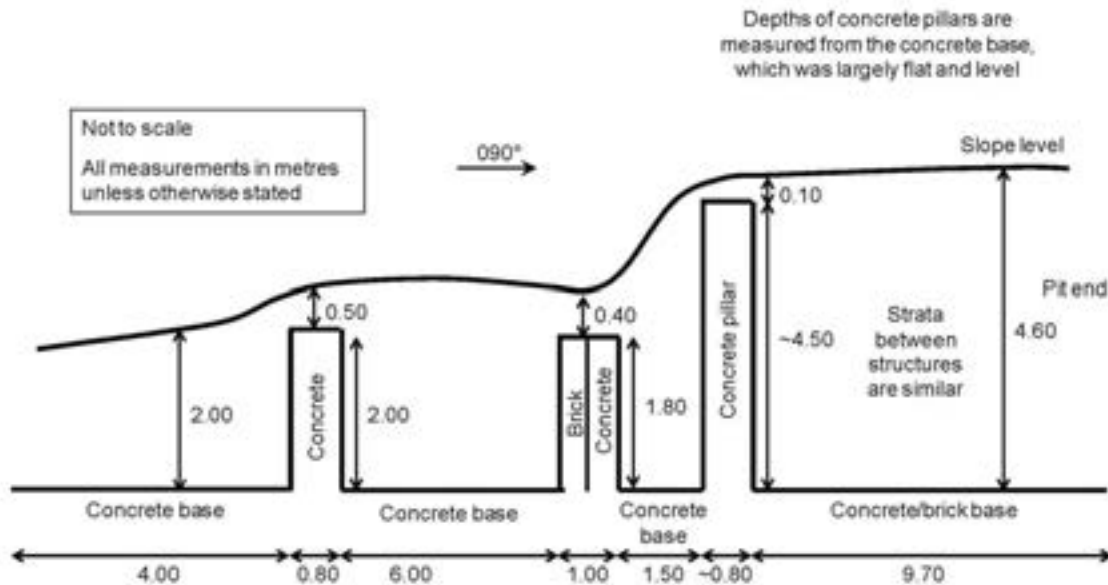
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454417.220 N:521030.278		<b>PRAIRIE_AUK_TP193A</b>
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





# ALLIED EXPLORATION & GEOTECHNICS LIMITED

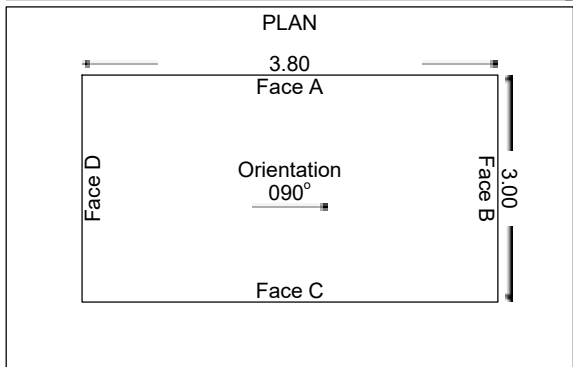
**Head Office:** Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG    **Tel:** 0191 387 4700 **Fax:** 0191 387 4710  
**Regional Office:** Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL    **Tel:** 01772 735 300 **Fax:** 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

SAMPLES & TESTS			STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Description
1.40	ES1			11.81	(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.
				11.61	1.60	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.
				11.01	(0.60)	Firm brown grey mottled black CLAY. Hydrocarbon odour noted. (Engineer notes contamination from strata above). <i>Complete at 2.20m BGL.</i>
				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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194A</b>
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





# 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: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	

Figure PRAIRIE\_AUK\_TP194A.3  
PRAIRIE\_AUK\_TP194 (From Section E looking towards Section A)



Figure PRAIRIE\_AUK\_TP194A.4  
PRAIRIE\_AUK\_TP194 - Spoil





# 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

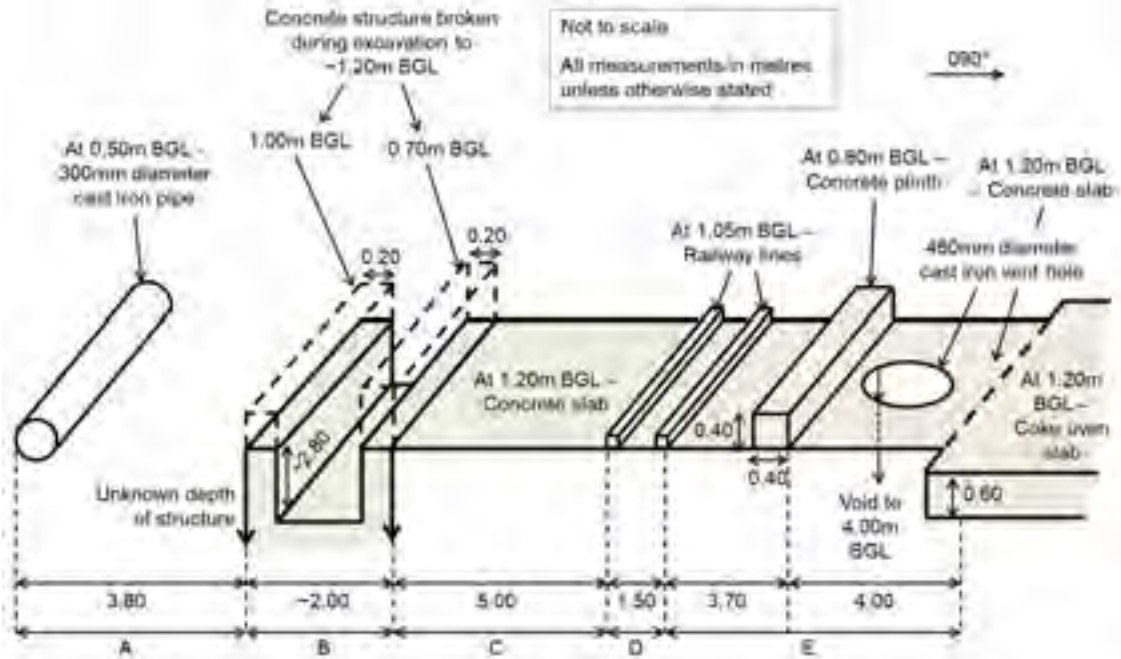
## TRIAL PIT RECORD

Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194A</b>
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







# 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

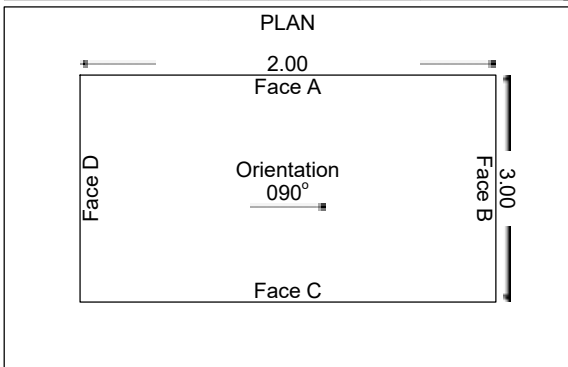
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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
			~		[Cross-hatched pattern]	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).
				10.41	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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194B</b>
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)





# 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: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





# 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

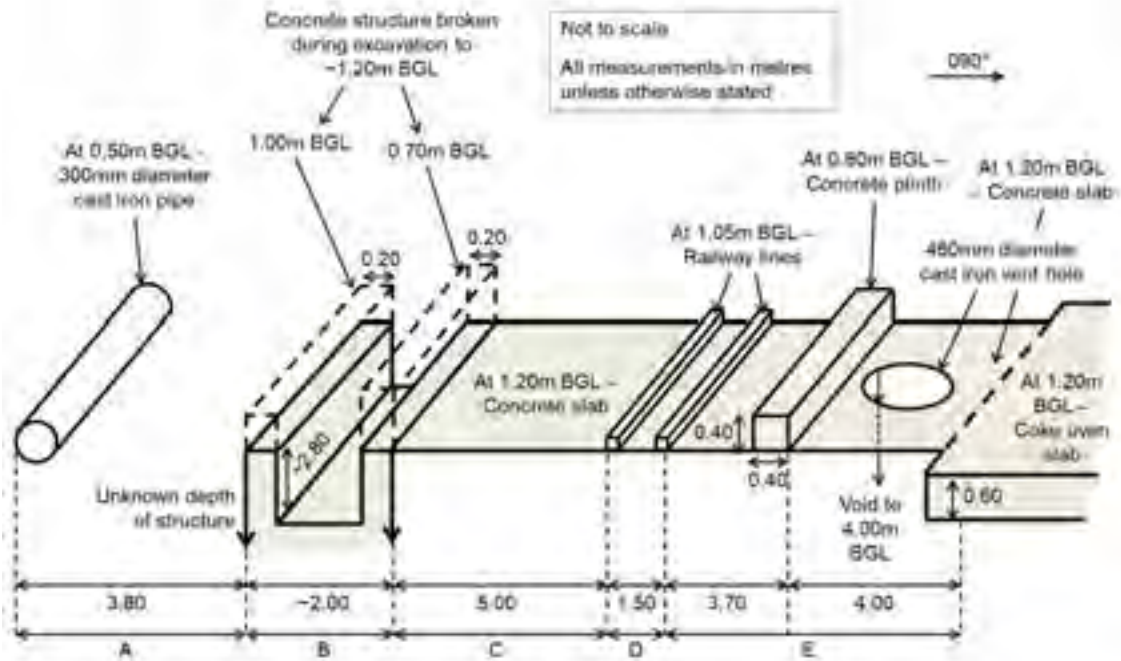
## TRIAL PIT RECORD

Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194B</b>
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





# 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

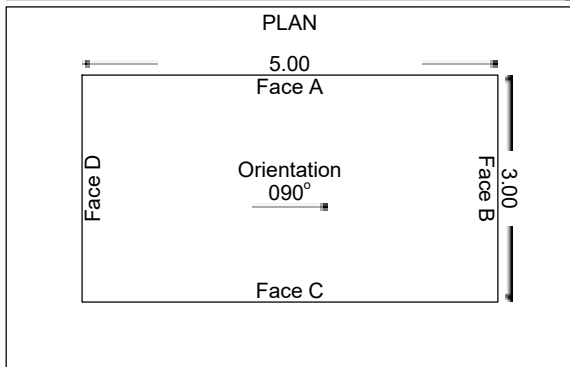
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. <b>PRAIRIE_AUK_TP194C</b>	
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>
				1.20		



**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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194C</b>
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)





# 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: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





# 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

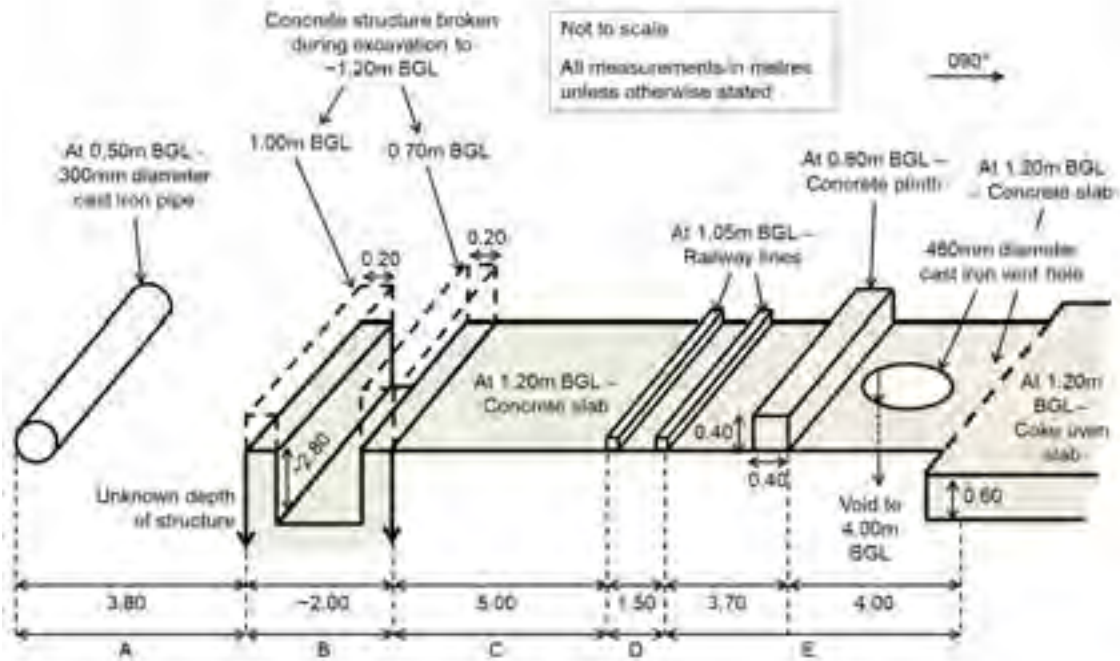
## TRIAL PIT RECORD

Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194C</b>
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







# 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

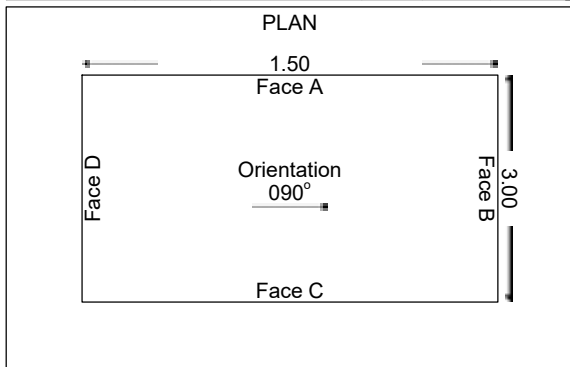
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

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

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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194D</b>
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





# 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: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





# 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

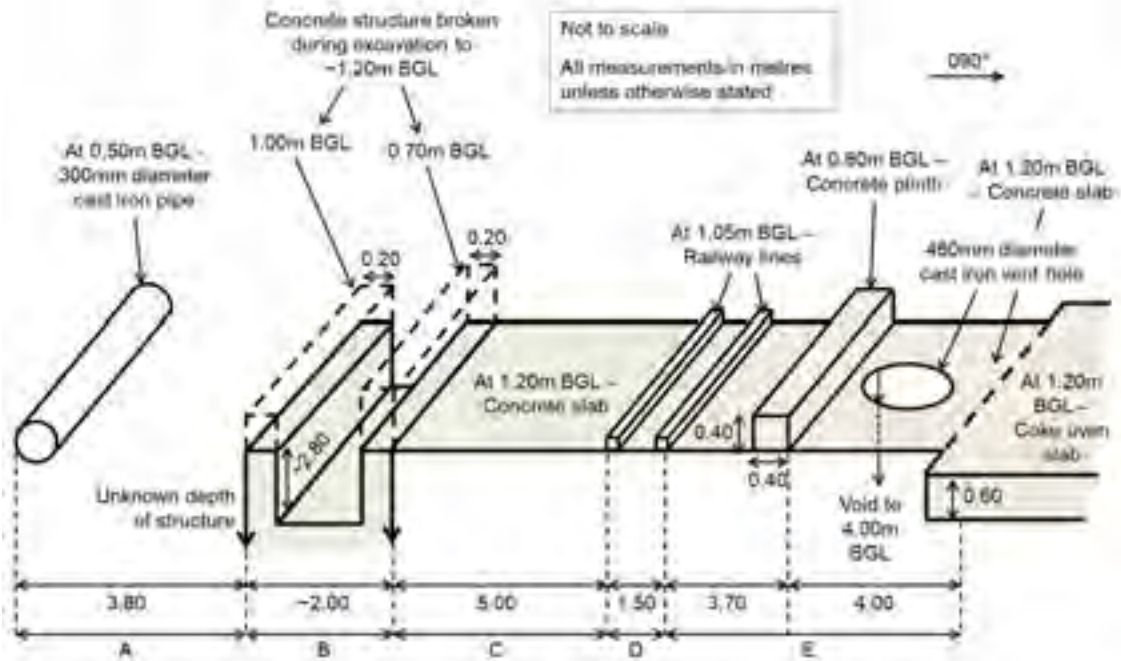
## TRIAL PIT RECORD

Status:-

**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194D</b>
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





# 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

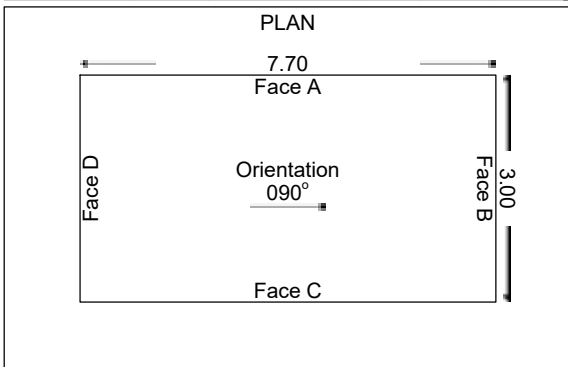
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No.	
Client: South Tees Development Corporation		Location: E: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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------



# 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: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.1  
PRAIRIE\_AUK\_TP194E



Figure PRAIRIE\_AUK\_TP194E.2  
PRAIRIE\_AUK\_TP194E





# 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: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: 3 of 4

Figure PRAIRIE\_AUK\_TP194E.3  
PRAIRIE\_AUK\_TP194E



Figure PRAIRIE\_AUK\_TP194E.4  
PRAIRIE\_AUK\_TP194 (From Section E looking towards Section A)





# 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

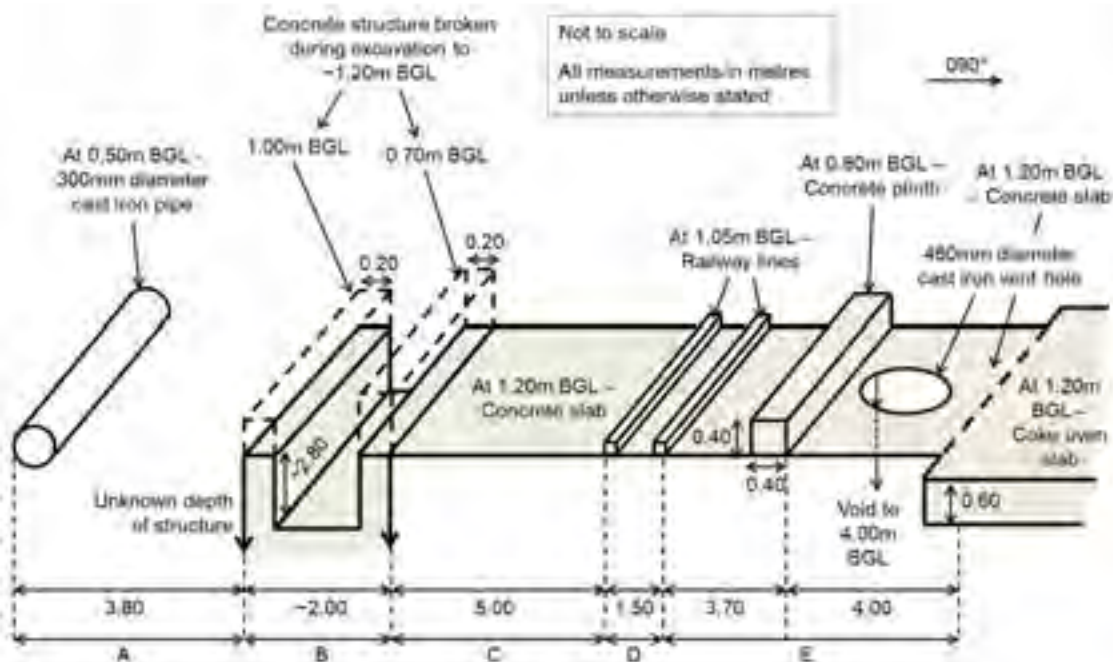
Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works			Exploratory Hole No.
Client: South Tees Development Corporation	Location: E:454444.765 N:520997.809		<b>PRAIRIE_AUK_TP194E</b>
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







# 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

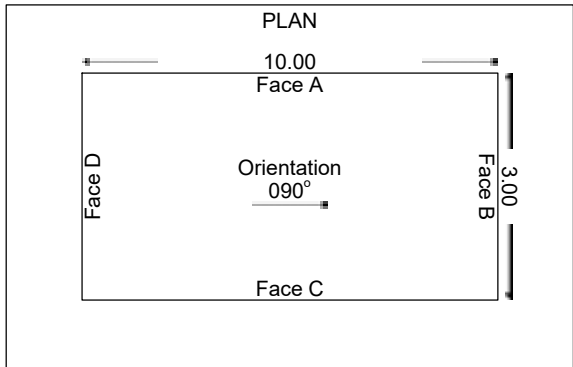
Tel: 0191 387 4700 Fax: 0191 387 4710  
 Tel: 01772 735 300 Fax: 01772 735 999

## TRIAL PIT RECORD

Status:-  
**FINAL**

Project: Prairie Site Ground Investigation Works		Exploratory Hole No. PRAIRIE_AUK_TP195	
Client: South Tees Development Corporation		Location: E:454479.190 N:520939.302	
Method (Equipment): Machine Excavated (360 Tracked Excavator)		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.  <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. <b>4251</b>
--	---	---------------------------	-----------------------------	-----------------------------