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: 01972 735 390 Fax: 01772 735 399

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





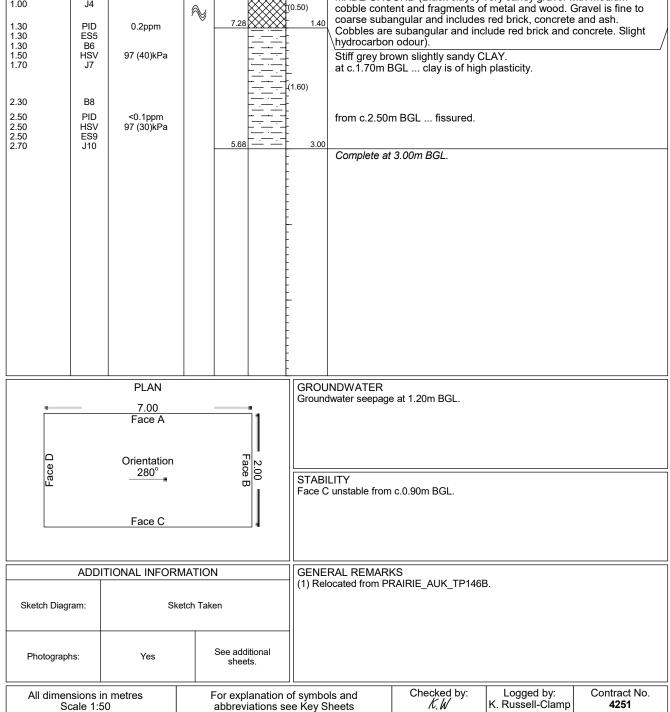
Figure PRAIRIE_AUK_TP146B.2 PRAIRIE_AUK_TP146B - Spoil



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

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP146C South Tees Development Corporation E:454595.940 N:521282.000 Method (Equipment) Start Date: Machine Excavated (360 Tracked Excavator) 8 682 14/04/2020 1 of 3 **SAMPLES & TESTS STRATA** Water Reduced Depth Depth Legend Description 0.10 MADE GROUND (Brown sandy topsoil). 0.05 J1 MADE GROUND (Black sandy gravel with medium cobble content 0.30 .12 (0.60) and fragments of metal and wood. Gravel is fine to coarse subangular and includes red brick and concrete). 0.50 B3 0.70 MADE GROUND (Strong grey concrete). MADE GROUND (Black clayey very sandy gravel with medium 1.00 J4 1(0.50) cobble content and fragments of metal and wood. Gravel is fine to



Project:

Client:

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





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: 01972 735 390 Fax: 01772 735 399

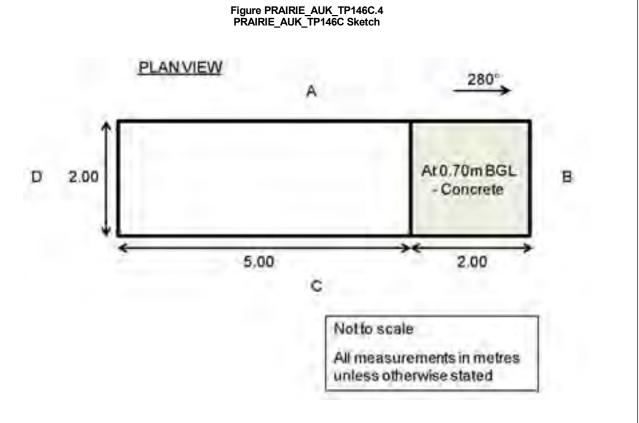


FINAL

Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP146C South Tees Development Corporation E:454595.940 N:521282.000 Start Date: 14/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 8.682 3 of 3





Status:-

Contract No.

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TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP147 South Tees Development Corporation E:454535.320 N:521258.153

Mathad (Faulina								1.454535.320 N:5212	200.10		Chast
Method (Equipr		e Excavated (36	0 Trac	ked Exc	avator)			Ground Level (m): 8.595		Start Date: 17/04/2020	Sheet: 1 of 3
SAI	MPLES &	TESTS		STRATA							1
Depth	Type No	Test Result	Water	Reduced Level							
0.40 0.60 1.10 1.50 1.70	J1 B2 J3 ES4 PID B5	<0.1ppm	1	7.80 7.60		(0.80)	MA an o fron MA con poc coa slag con at c	g. Slag content is 0-29 DE GROUND (Strong old floor). n c.0.80m BGL Fac DE GROUND (Brown tent, fragments of me kets of firm brown cla rse subangular and i	g green ce C: on black etal an ay. Sar nolude agular as vesice tete.	gular and incl ag is vesicul: n grey fine gr concrete wall. s sand and gr d occasional nd is fine to c es brick, refra and include c ular grey gre	rained concrete, possibly /structure. ravel with medium cobble coarse gravel sized coarse. Gravel is fine to ctory brick, concrete and concrete and brick. Slag en white).
		PLAN	•	•	•			ATER er at 1.60m BGL			
Face D		3.30 Face A Orientation 218°		 	3.00	Perched water at 1.60m BGL					
. E		Face C				STABILITY Pit sides and base stable throughout excavation.					
	ADDIT	IONAL INFORM	ЛАТІО	N				REMARKS	ther do	taile	
Sketch Dia	gram:	Ske	etch Tal	ken		(1) Refer to following sketch for further details.					
Photogra	phs:	Yes		See add							

Checked by: Logged by: K. Russell-Clamp All dimensions in metres Scale 1:50 For explanation of symbols and abbreviations see Key Sheets

TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP147 South Tees Development Corporation E:454535.320 N:521258.153
| Ground Level (m): 8.595 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 17/04/2020 2 of 3





Figure PRAIRIE_AUK_TP147.2 PRAIRIE_AUK_TP147



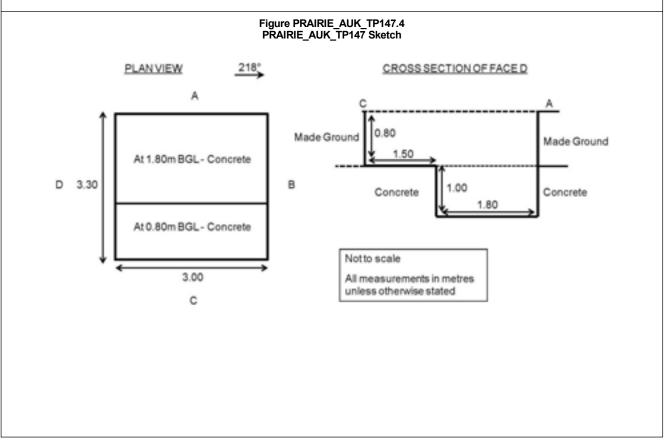
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 390 Fax: 01772 735 399



Client:

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





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Ġ	TRIAL PIT RECORD										Status:-	FINAL	
Project:		F	Prairie	Site Gr	ound Inv	estigatio	n Wor	ks				Exp	loratory Hole No.
Client:	Prairie Site Ground Investigation Works South Tees Development Corporation								RIE_AUK_TP148				
Method (Equipm	ent): Machine	Excavated (360) Trac	ked Exc	cavator)			:454428 Ground Le	3.137 N:52 evel (m): 8.724	1287.984	Start Date: 16/04/2020	Sheet:	1 of 2
SAM	IPLES &	TESTS							STR	ATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)					escription		
						(0.60)	MAI	E GRO	UND (Brov	wn sandy	/ topsoil).		
				8.12		(0.60)	MAI reba	DE GRO ir)).	UND (Stro	ng grey	reinforced co	oncrete	(10mm diameter
				7.52		1.20	Terr	ninated a	at 1.20m B	GL - due	to concrete	base.	
4		PLAN 2.50 Face A Orientation		T ac	1	GROU No gro	undwa	ATER ter inflow	<i>i</i> observed.				
Face D		284° ∎ Face C		G D	1.90	STABILITY Pit sides and base stable throughout excavation.							
	ADDIT	IONAL INFORM	1ATIO	N_				REMARK					
Sketch Diag	Sketch Diagram: No Sketch Taken				(1) No (2) Rel	sampl ocated	es taken. I to PRAI	RIE_AUK_	TP148A.				
Photograp	ohs:	Yes		See add shee									
	nsions in scale 1:50			For exp abbrev	lanation	of symbo	ls and	i	Check	ed by: W	Logged K. Russell	l by: -Clamp	Contract No. 4251

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: 01972 735 390 Fax: 01772 735 399

TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP148 South Tees Development Corporation E:454428.137 N:521287.984 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 16/04/2020 2 of 2





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	TRIAL PIT RECORD								Status:- FINAL	
Project:		Exploratory Hole No.								
Client:	nt: South Tees Development Corporation Local						: E:454424.353 N:521284	1 277	PRAIRIE_AUK_TP148A	
Method (Eq	nod (Equipment): Machine Excavated (360 Tracked Excavator)						Ground Level (m): 8.956	Start Date: 16/04/2020	Sheet: 1 of 3	
;	SAMPLES & TESTS						STRATA		1	
Depth	Type No	Test Result	Water	Reduced Level		Depth Thickness)		Description		
0.50	J1 B2			7.96		(1.00)	MADE GROUND (Grey bro boulder content and fragme fine to coarse. Gravel is fin includes brick and concrete and include brick and conc MADE GROUND (Black gr.	ents of metal, place to coarse subace. Cobbles and brete).	astic, tile and wire. Sand is angular to subrounded and poulders are subangular	
1.30 1.30 1.40 1.40 1.70	J3 B4 ES5 PID B6	<0.1ppm		7.46 6.96		(0.50) 1.50 (0.50) 2.00	is fine to coarse. Gravel is brick, concrete, ash and slavesicular grey green white) between c.1.00-1.20m BGL (10mm diameter rebar). MADE GROUND (Strong g	fine to coarse suag. Slag content strong grey	ubangular and includes is 0-25%. Slag is reinforced concrete	
		DIAN.					Terminated at 2.00m BGL -		Sidg base.	
[PLAN 3.60 Face A			1	GROUNDWATER Slight groundwater seepage at 1.70m BGL.				
<i>c</i>	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Orientation 184° ■ Face C		900	2.00	STABILITY Pit sides and base stable throughout excavation.				
	ADD	TIONAL INFORI	MATIO	N			RAL REMARKS	2149		
Sketch	Sketch Diagram: No Sketch Taken					(1) Kei	ocated from PRAIRIE_AUK_TF	- 1 4 0.		

Photographs:

All dimensions in metres Scale 1:50

See additional sheets.

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: K. Russell-Clamp

Contract No. 4251

Client:

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





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





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: Init 29 Rusiness Development Centre Fanam Wharf, Blackburn, BB1 5RI Tel: 01772 735 300 Fax: 01772 735 909

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		TR	IAL PIT F	RECORD		Status:- FINAL
Project:		Prairie Site Ground Inv	estigation Wo	orks		Exploratory Hole No.
Client:	South Tees Developme	nt Corporation	Location:	E:454320.946 N:5213	308.856	PRAIRIE_AUK_TP149
Method (E	equipment): Machine Excavated (3	860 Tracked Excavator)	•	Ground Level (m): 7.798	Start Date: 09/04/2020	Sheet: 1 of 3

	iviacnine	e Excavated (36)	ou Tracked Excavator)				7.798 09/04/2020 1 01 3			
SAM	MPLES &	TESTS					STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description			
0.50 1.00 1.30	J1 B2 ES3					(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).			
1.30	PID	<0.1ppm		6.30	**************************************	1.50	Firm indistinctly laminated orange brown mottled grey silty CLAY.			
1.80 2.00 2.20	J4 HSV B5	55 (34)kPa			* -× - * - × - * - × - - × - - × - - × -	(1.50)	at c.1.80m BGL clay is of intermediate to high plasticity.			
2.80 2.80	J6 HSV	68 (20)kPa		4.80	× × ×	3.00	Complete at 3.00m BGL.			
	1	PLAN			I		UNDWATER oundwater inflow observed.			
-		3.20 Face A			1	I NO GIO	Junuwaka IIIIIOW ODSETVEU.			
Face D		Orientation 132° ■		ם כפ ס	1.90 	STABILITY Pit sides and base stable throughout excavation.				
		Face C]					
	ADDIT	ΓΙΟΝΑL INFORM	MATIO	N		GENE	ERAL REMARKS			
Sketch Dia	gram:	No Si	ketch Ta	aken		OLINLIVAL NEIVIANNO				

Checked by:

Logged by: K. Russell-Clamp

Contract No.

4251

Print Date and Time: 06/11/2020 14:32:03

Yes

Photographs:

All dimensions in metres Scale 1:50

See additional sheets.

For explanation of symbols and abbreviations see Key Sheets

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





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





Status:-

◮	Head Office: Regional Office:	Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-te-Street, Co. Durham, DH2 2RG Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL	Tel: 0191 387 4700 Fax: 0191 Tel: 01772 735 300 Fax: 0177
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation

FINAL Exploratory Hole No. Location: PRAIRIE_AUK_TP150 Start Date: 1 of 1

							E:454235.334 N:521322.65		
Method (Equipn	hod (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	Depth (Thickness)	Depth (Thickness) Description		
0.50 0.60	J1 B2 ES3			6.97		(1.70)	MADE GROUND (Brown black coarse. Gravel is fine to coarse slag, brick and concrete. Slag MADE GROUND (Brown black medium cobble content and frine to coarse. Gravel is fine to clinker, slag, brick and concrevesicular). between c.0.50-2.20m BGL side of pit and concrete structusides of pit. at c.2.20m BGL 610mm dia 000 degrees. Terminated at 2.20m BGL - due	e subangular content is 0-2 k grey clayey agments of mo coarse subate. Slag content brick structurure exposed of meter metal p	and includes ash, clinker, 25%. Slag is vesicular). very sandy gravel with letal and plastic. Sand is ingular and includes ash, ent is 25-50%. Slag is the exposed on eastern on southern and western
		PLAN 3.30 Face A			1		NDWATER undwater inflow observed.		

	PLAN	
-	3.30	
	Face A	- 1
Face D	Orientation 	2.50 —— Face B
	Face C	,

Client:

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

STABILITY
Pit sides and base stable throughout excavation.

Ш	GENERAL REMARKS
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Checked by: Logged by: D. Portsmouth All dimensions in metres Scale 1:50 Contract No. For explanation of symbols and abbreviations see Key Sheets 4251

Client:

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





Project:

Client:

3 of 4

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP150 South Tees Development Corporation E:454235.334 N:521322.653 Start Date: 16/04/2020



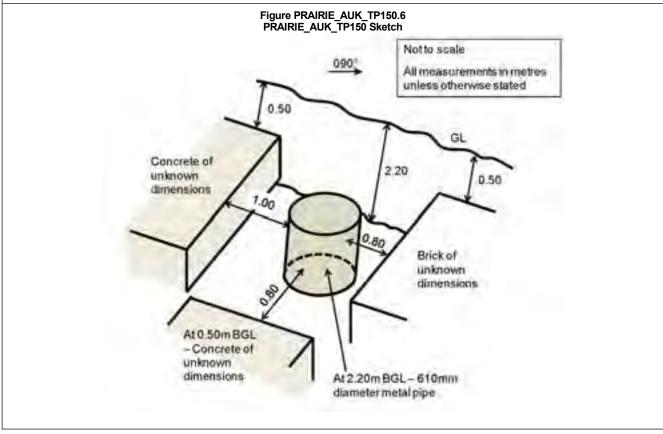


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 rel: 01772 735 300 Fax: 01772 735 999

Status:-

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





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 Tel: 01772 735 300 Fax: 01772 735 999

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TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP151 South Tees Development Corporation E:455089.187 N:521231.720 | Ground Level (m): | St Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date:

Method (Equiph		Excavated (36	0 Trac	ked Exc	cavator)			10.499	23/04/2020	Sneet:	1 of 3
SAN	MPLES &	TESTS						STRATA		•	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description		
0.00				10.30		0.20	is fir	DE GROUND (Grey sand ne to coarse subangular			
0.30 0.40 0.50	J1 B2 PID	1.1ppm		10.00 9.90		0.50 0.60	IAM	brick). DE GROUND (Grey sand d is fine to coarse. Grave	dy gravel with n	nedium co	bbble content.
0.80 1.00	J3 B4					- - -	inclu MAI	udes weak (lean) mix cou DE GROUND (Compacte	ncrete and fuse ed grey blue as	ed grey as h. Recove	ered as sandy
1.00 1.20 1.50	PID ES5 PID	0.8ppm 0.9ppm					Gra	rel. Sand is fine to coarse vel is fine to coarse suba possibly fused ash).	e and includes angular and inc	predomin ludes ash	, weak concrete
1.80	J6	о.эррт				(2.30)	MAI high	DE GROUND (Grey brow cobble content with frag	gments of meta	l. Sand is	fine to coarse
2.00 2.00	B7 PID	<0.1ppm					and bricl	includes predominantly includes ash, clinker, co.c. Cobbles are angular a	ke, weak conc	rete and r	ed and yellow
2.50	PID	<0.1ppm		7.60		200	con	crete).			
3.00	J8 PID	<0.1ppm		7.60	× ×	2.90	Firm	n (friable) brown silty CLA es. Engineer notes beco	AY with yellow soming faintly int	silty fine to	o medium sand ed silt and clav
3.20	B9				X X	(1.30)		depth.	9		,
3.80	J10				X X X						
4.20	B11			6.30	x x	4.20	Con	nplete at 4.20m BGL.			
						-					
						- - -					
						- - -					
		PLAN				GROU No grou		ATER ter inflow observed.			
		3.10 Face A			1						
0		Orientation		- Ω Ω							
Face D					.20 	STABII Pit side		base stable throughout ex	cavation.		
		Face C			ļ						
	ADDIT	IONAL INFORM	MATIO	N		GENE	RAL F	REMARKS			
Sketch Dia	gram:	No Si	ketch T	aken							
Photographs: Yes See additional sheets.											

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No.

4251

All dimensions in metres

Scale 1:50

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

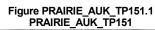
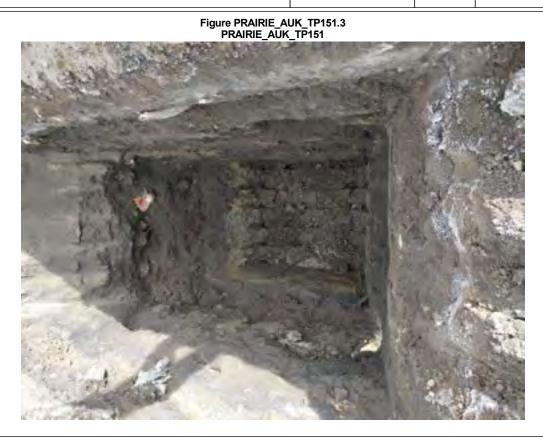




Figure PRAIRIE_AUK_TP151.2 PRAIRIE_AUK_TP151



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





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TRIAL PIT RECORD

FINAL

Status:-

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Project:			Prairie	Site Gr	ound Inv	estigatio/	n Works			Expl	loratory Hole No.
Client: South Tees Development Corporation							: - 455000	007 N 504045 00	0	PRAI	RIE_AUK_TP152
Method (Equipment): Machine Excavated (360 Tracked Excavator)							Ground Le	3.237 N:521245.22 evel (m): 9.958	Start Date: 22/04/2020	Sheet:	1 of 3
SAI	MPLES &	TESTS						STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			escription		
0.30 0.50 0.65 0.80 1.00 1.50 1.60 1.80 2.00	J1 PID J2 B3 PID PID J4 B5 ES6	0.3ppm 1.6ppm 0.8ppm		9.76 9.56 9.36		0.20	wood. Sand includes sar is vesicular yesicular gravel. Sand Gravel is fin and possible MADE GRO Sand is fine includes we. MADE GRO high cobble and includes and includes brick. Cobbl concrete).	DUND (Compacted d is fine to coarse a e to coarse subang	grey blue as grey blue as gular and includes gular and includes gravel with n is fine to coarete and grey black red claents of metal h. Gravel is fe, weak concil include red	to coars g conter h. Reco predom ludes as nedium rse suba fused a ayey san l. Sand i rine to co rete and and yell	vered as sandy inantly ash. sh, weak concrete cobble content. angular and ash). Idy gravel with its fine to coarse subangular red and yellow
Sketch Dia	gram:	PLAN 2.50 Face A Orientation 090° Face C	RMATIO Sketch T	N		STABI Pit side		oderately stable thro	ughout excava	ation.	
	ensions in Scale 1:50			For exp	lanation iations s	of symbo	ols and Sheets	Checked by:	Logged D. Portsr		Contract No. 4251

South Tees Development Corporation

Client:

TRIAL PIT RECORD Exploratory Hole No. Prairie Site Ground Investigation Works

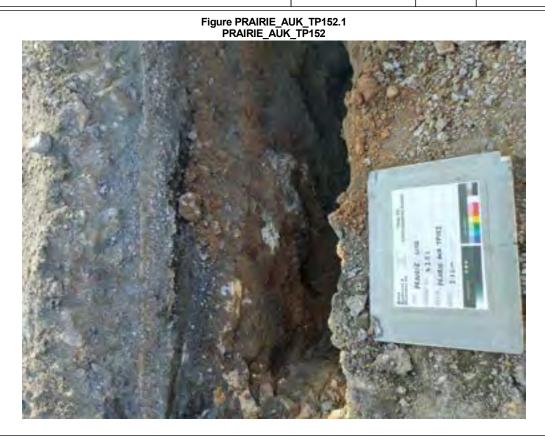
PRAIRIE_AUK_TP152

FINAL

2 of 3

E:455033.237 N:521245.226 Ground Level (m): 9.958 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 22/04/2020

Location:





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



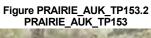
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Ġ	TRI		FINAL			
Project:	Prairie Site Ground Inve	estigation Wo	rks		Exploratory Hole No	Э.
Client:	South Tees Development Corporation	Location:	E:454900.596 N:521232.38	34	PRAIRIE_AUK_TP1	53
Method (Eq	uipment): Machine Excavated (360 Tracked Excavator)	•	Ground Level (m): 9.441	Start Date: 22/04/2020	Sheet: 1 of 3	

ethod (Equipment): Machine Excavated (360 Trad	cked Ex	cavator)		Ground Le	9.441	Start Date: 22/04/2020	Sheet:	1 of 3
SAMPLES & TESTS						STRATA			
Depth Type Test No Result	Water	Reduced Level	Legend	Depth (Thickness)		De	escription		
1.50 J1 1.8ppm 1.80 J2 90 B3 0.5ppm 1.10 ES4 0.5ppm ES4 0.1ppm 86 8.00 PID <0.1ppm 87 <0.1ppm 88 <0		9.24 9.14 8.84 8.24		0.20 0.30 0.60 - 0.60 - 1.20 - (1.20) 	fragments of coarse subal content is 0-MADE GRO coarse and i subangular ash). MADE GRO cobble conteincludes preincludes are includes are includes are includes are includes and grey). Firm grey br to medium. at c.2.00m E of pit running odour. Terminated a	UND (Grey sandy of metal and wood. Singular and included 25%. Slag is vesicul UND (Macadam). UND (Compacted of includes predominated and includes ash, we want and fragments of dominantly ash. Grey brown the include brick. Slag own slightly sandy of the same	Sand is fine is a sandstone ular grey). grey sandy grey sandy grey sandy grey sandy grey sandy grey sand	gravel. Savel is fine to coarse and slag. 1-25%. Slavel lens pe (broke	e. Gravel is fine to e and slag. Slag and is fine to be to coarse possible fused el with medium to coarse and subangular and Cobbles are ag is vesicular es. Sand is fine
# 3.10 Face A			i 1		NDWATER undwater inflov	v observed.			
Orientation Orientation Orientation Face B Face C				STABI Pit side		ble throughout excav	vation.		
ADDITIONAL INFORMATION					RAL REMAR	(S			
Sketch Diagram: No	Sketch 1	Γaken							
Photographs: Yes		See add shee							
All dimensions in metres Scale 1:50		For exp	lanation	of symbo see Key S	ls and heets	Checked by:	Logged D. Portsr	d by: mouth	Contract No. 4251

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP153 South Tees Development Corporation E:454900.596 N:521232.384 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 22/04/2020 2 of 3







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



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 Init 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

Status:-

- 4	
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TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP154 South Tees Development Corporation E:454781.179 N:521239.256 | Ground Level (m): | S Method (Equipment): Start Date: Sheet:

Method (Equipm		Excavated (360	Trac	ked Exc	cavator)		Ground Leve	el (m): 9.292	Start Date: 21/04/2020	Sheet:	1 of 3	
SAN	IPLES &	TESTS					STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Г	Description			
0.50 0.60 0.80 0.85 1.00 1.30 1.50 1.60	PID J1 B2 ES3 PID J4 PID B5	1.1ppm 0.2ppm <0.1ppm		9.19 8.99 8.39		0.30 fr (0.60) CC 0.90 s	agments of no parse subance ontent is 25-5 ADE GROUI in a part of the part of	gular and include 50%. Slag is ves ND (Grey gravel dincludes limes ND (Grey browns fine to coarse as se subangular alpossibly fused a Lamburg 045 degrees wn slightly sandy as grading to inte Lamburg of his Lamburg of	Šand is fine es sandstone es sandstone es candstone es cultur grey). I. Gravel is mitone and slate black sandy and includes particular includes a sh). meter cast iros. r CLAY. Sanderlaminated sigh plasticity.	to coarse concrete edium to g. Slag co gravel wi predomina sh, clinke on pipe in I is fine to lt/clay wit	Gravel is fine to e and slag. Slag coarse ontent is 0-25%). Ith fragments of antly ash. Gravel r, coke, weak western most	
		PLAN 3.50 Face A			1	GROUNI No ground	WATER water inflow o	bbserved.				
Face D	Orientation Face D 1.20 B			STABILIT Pit sides a		e throughout exc	avation.					
Face C												
	ADDIT	IONAL INFORM	ATIOI	N		GENERA	L REMARKS	3				
Sketch Diag	gram:	No Sk	etch Ta	aken								
Photographs: Yes See additional sheets.												

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. 4251

All dimensions in metres

Scale 1:50

Project:

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP154 South Tees Development Corporation E:454781.179 N:521239.256 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 21/04/2020



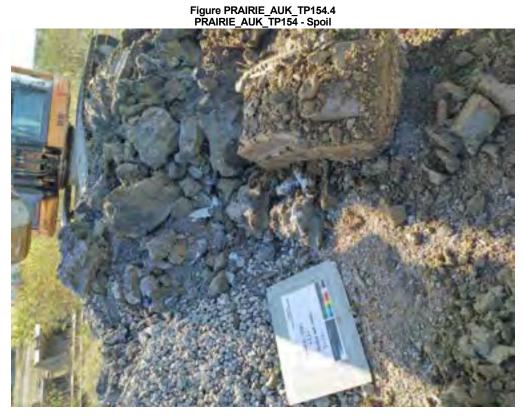


Project:

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP154 South Tees Development Corporation E:454781.179 N:521239.256 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 21/04/2020 3 of 3





South Tees Development Corporation

Method (Equipment):

Machine Excavated (360 Tracked Excavator)

Client:

Location:

Ground Level (m): 9.536

2	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 F Tel: 01772 735 300 F
Ğ		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

FINAL Exploratory Hole No. PRAIRIE_AUK_TP155 E:454696.705 N:521187.080 Start Date: 21/04/2020

1 of 3

Status:-

SAM	IPLES &	TESTS					STRATA
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.40 0.40 0.50 0.70 1.00 1.20 1.50 1.60	J1 PID B2 ES3 PID J4 PID B5	1.8ppm 0.1ppm <0.1ppm		9.34 9.24 8.74		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). 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). 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). 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. Complete at 2.20m BGL.
		PLAN					NDWATER ted strata at 0.80m BGL (slight inflow).

3.50 Face A Face D 1.20 Face B Orientation 090° Face C

Saturated strata at 0.80m BGL (slight inflow).

Pit sides and base stable throughout excavation. GENERAL REMARKS

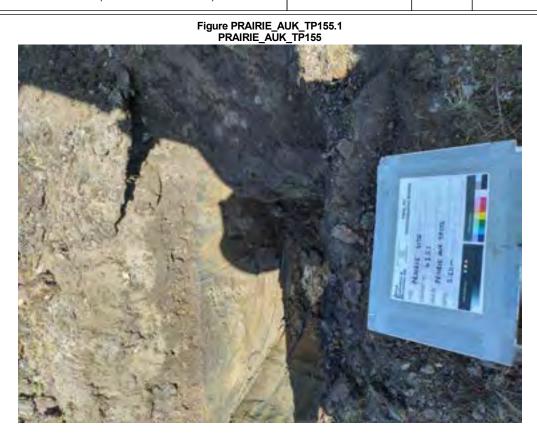
ADDITIONAL INFORMATION Sketch Diagram: No Sketch Taken See additional sheets. Photographs: Yes

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

STABILITY

TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP155 South Tees Development Corporation E:454696.705 N:521187.080 Start Date: 21/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) 2 of 3





Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP155 South Tees Development Corporation E:454696.705 N:521187.080 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 21/04/2020 3 of 3





	-	Head Office: Ur Regional Office: Ur	nit 25 Stel nit 20 Bus	lla Gill Indus siness Develo	trial Estate, Popment Centr	elton Fell, Ches e, Eanam Whar	ster-le-Str f, Blackb	reet, Co. Durham, DH2 2RG Te rurn, BB1 5BL Te	el: 0191 387 4 el: 01772 735	4700 Fax: 0191 38 300 Fax: 01772 7	7 4710 35 999	
TRIAL PIT RECORD											Status:- FINAL	
Project: Prairie Site Ground Investigation Works											Exploratory Hole No.	
Client:	South Te	es Develonment (Corno	ration		Location	:		PRAIRIE_AUK_TP156			
South Tees Development Corporation Method (Equipment):								E:454622.162 N:5212	Sheet:			
	Machin	e Excavated (360	Trac	ked Exc	cavator)			8.945		14/04/2020	1 of 3	
SAMPLES & TESTS								STRA	ΛTA			
Depth	Type No	Test Result	Water	Reduced Level Legend (Depth (Thickness)	Description					
			1	8.35		(0.60) - 0.60 	con sub Col 0-2 at c	tent and fragments o	of wood ed and inc and inc grey gr rete.	and metal. includes rec clude concre een white).	,	
PLAN							GROUNDWATER Water strike at 0.60m BGL.					
3.00 — 1						vvaler	ou ike	at 0.00III DGL.				
O Orientation Face B 280° CB B						CTAD	II ITV					
B					STABI Pit side		d base stable througho	out excav	ation.			
Face C												
ADDITIONAL INFORMATION							GENERAL REMARKS (1) No samples taken.					
Sketch Diagram: Sketch				en	(1) NO (2) Rel	ocate	iles taken. d to PRAIRIE_AUK_Ti	P156A.				
Photograp	phs:	Yes	Yes See additional sheets.									

Checked by:

For explanation of symbols and abbreviations see Key Sheets

Logged by: K. Russell-Clamp Contract No. 4251

Print Date and Time: 06/11/2020 14:32:52

All dimensions in metres Scale 1:50

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







ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999

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





Status:-

FINAL

≙	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 Tel: 01772 735 300 Fax: 0177
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Project: Prairie Site Ground Inves	Prairie Site Ground Investigation Works								
Client: South Tees Development Corporation	Location: E:4546	619.192 N:521200.66		PRAIRIE_	AUK_TP156A				
Method (Equipment): Machine Excavated (360 Tracked Excavator)	Groun	d Level (m): 8.863	Start Date: 14/04/2020	Sheet:	1 of 3				

							0.000				
SAM	IPLES &	TESTS					STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description				
0.10 0.30 0.30 0.50 0.70	J1 ES2 PID B3 B4	<0.1ppm		8.26 8.06		(0.60) 0.60	MADE OBOUND (O)				
1.00 1.10	HSV J5	102 (40)kPa				-	Firm orange brown mottled grey slightly sandy CLAY. at c.1.10m BGL clay is of low plasticity.				
2.00 2.10	B6 HSV	99 (38)kPa				(1.70) - - - - - - -					
2.10	J7			6.36		2.50	Complete at 2.50m BGL.				
PLAN 2.30					-	GROU No gro	UNDWATER oundwater inflow observed.				

	PLAN	
-	2.30	
	Face A	- 1
Face D	Orientation 280° <u>∎</u>	— 1.40 — Face B
	Face C	

STABILITY
Pit sides and base stable throughout excavation.

			J L			
ADD	ITIONAL INFOR	MATION	GENERAL REMARK	(S		
Sketch Diagram:	No :	Sketch Taken				
Photographs:	Yes	See additional sheets.				
All dimensions in metros For explanation of			of symbols and	Checked by:	I oaged by:	Contract No

For explanation of symbols and abbreviations see Key Sheets ecked by: K,WAll dimensions in metres Scale 1:50 | Logged by: |K. Russell-Clamp 4251

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





ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999

Status:-

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



Status:-

FINAL

Exploratory Hole No.

◮	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 3 Tel: 01772 735 300 Fax: 01772
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Client:	South Tees Development Corporation						Location:				PRAIR	IE_AUK_TP157	
Method (Equipm	ent):	Excavated (36			avator)			:454503 Ground Le	3.120 N:52120 evel (m): 8.742		Start Date: 17/04/2020	Sheet:	1 of 3
SAM	IPLES &	TESTS				STRATA							
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)				De	escription		
0.50 0.80 0.80 1.00	J1 ES2 PID B3	<0.1ppm		7.64		(1.10)	fragi Sand inclu inclu white	ments of dis fine lides reduced ide concept. 1.10m E	f metal, girder to coarse. Gra brick, concre	s, met avel is te and ntent is te.	tal pipe, me s fine to coa d slag. Cobb s 0-25%. Sl	tal rope a rse subar lles are s ag is ves	ble content and and metal sheets. Ingular and ubangular and ubangular grey green
		PLAN 3.70 Face A			1	GROU Damp		ATER m BGL.					
Face D		Orientation 140° Face C		2.00 ——— Face B			STABILITY Pit sides and base stable throughout excavation.						
	ADDIT	IONAL INFOR	MATIOI	N				REMARK	KS IRIE_AUK_TP1	157A			
Sketch Diag	ıram:	Sk	etch Tak	en		(1) 1(8)	J-0410U	i ivai	/_\\				
Photograp	hs:	Yes		See add shee		1							
	nsions in cale 1:50			For exp	lanation (of symbo	ols and	l	Checked I	by:	Logged K. Russell	l by: -Clamp	Contract No. 4251

Project:

Client:

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 735 390 Fax: 01772 735 399

Status:-

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP157 South Tees Development Corporation E:454503.120 N:521204.274 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 17/04/2020 2 of 3



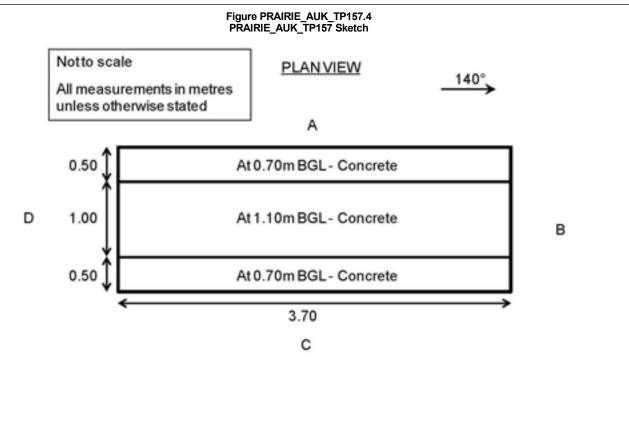


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01972 735 390 Fax: 01772 735 399



TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP157 South Tees Development Corporation E:454503.120 N:521204.274 Start Date: 17/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) 3 of 3





					TR	IAL P	T RECORD		Status:- FINAL
Project:			Prairie	Site Gr	ound Inv	estigatio/	n Works		Exploratory Hole No.
Client:	South Tees	Development	Corpo	ration		Location	: E:454497.482 N:521205.0	205	PRAIRIE_AUK_TP157A
Method (Equipm	ent): Machine I	Excavated (36	0 Trac	ked Ex	cavator)	-	Ground Level (m): 8.784	Start Date: 17/04/2020	Sheet: 1 of 3
SAN	IPLES & T	ESTS					STRATA		
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Description	
				7.48		(1.30)	MADE GROUND (Brown grawith fragments of metal. San coarse subangular and inclu-Cobbles are subangular and 0-25%. Slag is vesicular grey from c.0.10m BGL Face A at c.1.30m BGL concrete. Terminated at 1.30m BGL - d	d is fine to coa des red brick, include concry green white). : brick structur	arse. Gravel is fine to concrete and slag. ete. Slag content is
	PLAN					NDWATER undwater inflow observed.			
	Tace A Orientation Olas Face C								
Face D						STABI Pit side	LITY s and base stable throughout ex	cavation.	

ADD	ITIONAL INFOR	MATION	GENERAL REMARK			
Sketch Diagram:	Sk	etch Taken	(1) Relocated from PF (2) Relocated to PRA (3) No samples taken	IRIE AUK TP157B.		
Photographs:	Yes	See additional sheets.				
All dimensions Scale 1:		For explanation abbreviations se		Checked by:	Logged by: K. Russell-Clamp	Contract No. 4251

Print Date and Time: 06/11/2020 14:33:10

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: 01972 735 390 Fax: 01772 735 399

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





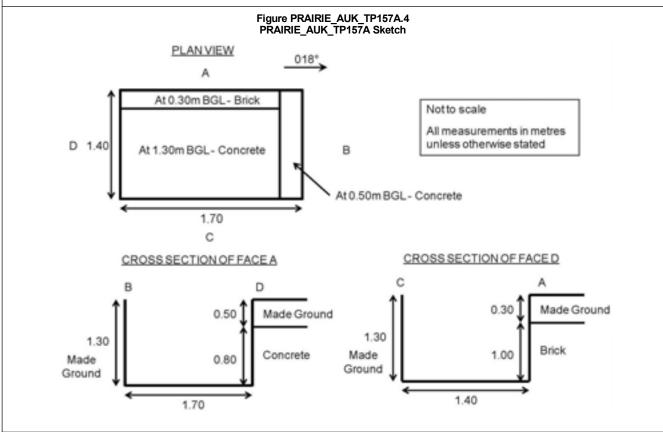
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Regional Office: Unit 25 Unit 25 Stella Gill State, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL
Tel: 01772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



Client:

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





Status:-

FINAL

♣	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Project:	Prairie Site Ground Investigation Works								Exploratory Hole No.
Client:	South Tee	es Development	Corpo	oration		Location		15	PRAIRIE_AUK_TP157B
Method (Equipm	nent): Machine	e Excavated (360) Trad	cked Exc	cavator)		E:454499.221 N:521207.94 Ground Level (m): 8.652	Start Date: 17/04/2020	Sheet: 1 of 3
SAN	MPLES &	TESTS					STRATA	<u>'</u>	ı
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	С	Description	
			‡	5.15		(3.50)	MADE GROUND (Brown gravicontent and fragments of metacoarse. Gravel is fine to coarse and concrete. Cobbles are subbrick. Boulders are subangular concrete with rebar (10-50mm) Terminated at 3.50m BGL - due	al, wire and me subangular oangular and r and include diameter reb	etal pipe. Sand is fine to and includes red brick include concrete and cemented red bricks and ar)).
		PLAN					INDWATER strike at 1.00m BGL.		
Q (2)		4.00 Face A Orientation							
Face D		104° Face C			2.30 ———	STAB All face	ILITY es unstable below 0.50m BGL		
	ADDIT	TIONAL INFORM	IATIC	N			RAL REMARKS	7.0	
Sketch Diag					ocated from PRAIRIE_AUK_TP15 samples taken.	IA.			
Photograp	ohs:	Yes		See add					

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: K. Russell-Clamp

Contract No. 4251

All dimensions in metres Scale 1:50

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 735 909

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



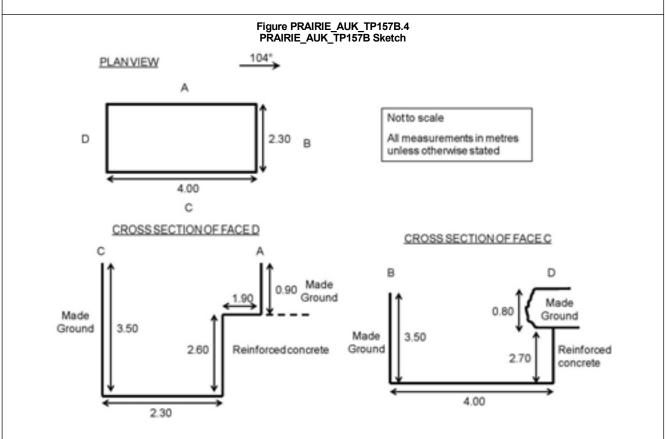


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Regional Office: Unit 25 Unit 25 Stella Gill State, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL
Tel: 01772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



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





◮	Head Office: Regional Office:	Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester- Unit 20 Business Development Centre, Eanam Wharf, Bl
65		TRIAL PIT
Project:		D :: 0" 0 11 " " "

Client:

TR	IAL PIT R	ECORD		FINAL
Prairie Site Ground Inv	estigation Wo	rks		Exploratory Hole No.
South Tees Development Corporation	Location:	E:454406.541 N:521196.1	57	PRAIRIE_AUK_TP158
oment):		Ground Level (m):	Start Date:	Sheet:

				Ji da doi i			E	:454406.541 N:521196.1			
Method (Equip		e Excavated (36	0 Trac	cked Exc	cavator)			Ground Level (m): 8.657	Start Date: 17/04/2020	Sheet:	1 of 4
SA	MPLES &	TESTS						STRATA		1	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		1	Description		
0.50 1.00 1.30 1.30 1.50	J1 B2 ES3 PID J4 B5	<0.1ppm	<u>‡</u>	6.66		(2.00)	cont coat cont red gree	DE GROUND (Brown gravelent and fragments of met ree. Gravel is fine to coarscrete and slag. Cobbles a brick and concrete. Slag cen white).	al and scaffol se subangular nd boulders a content is 0-25	d pipes. and incl re suban 5%. Slag	Sand is fine to udes red brick, gular and includ is vesicular grey
2.50 2.50 3.00	J6 HSV B7	95 (41)kPa		5.46		(1.20) - - - - - - - - - - - - - - - - - - -	san	n to stiff indistinctly lamina dy CLAY.	ted orange br	own mot	ilea grey siigntiy
		DLAN				- -	NIDVA	(ATED			
•		9LAN 3.50 Face A			1	GROU Water		ATER at 1.00m BGL.			
Orientation				STABI Faces		B unstable from 0.50m BGI	L.				
		Face C].						
	ADDIT	TIONAL INFORM	ИАТІО	N		GENE	RAL F	REMARKS			
Sketch Dia	agram:	Ske	etch Tal	ken							
Photogra	aphs:	Yes		See add							

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: K. Russell-Clamp

Contract No. 4251

All dimensions in metres Scale 1:50

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





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: 01972 735 390 Fax: 01772 735 399

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



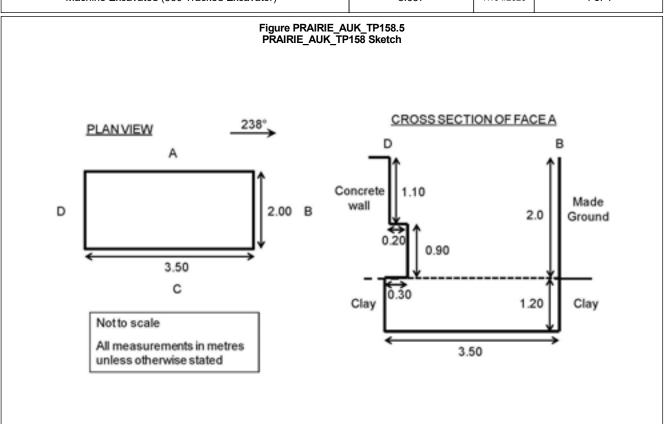




Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4700 Fax: 0197 375 999



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



Status:-

FINAL

Exploratory Hole No.

	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: 019 Tel: 01772 735 300 Fax: 017
E		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

		'	Tanic	One On	ound inv	esugano	II WOIRS		Exploratory Hole No
Client: Location: South Tees Development Corporation									PRAIRIE_AUK_TP1
		'					E:454285.744 N:521206.19	90	
lethod (Equipr						•	Ground Level (m):	Start Date:	Sheet:
	Machine	Excavated (36	0 Trac	ked Exc	cavator)		8.909	16/04/2020	1 of 3
SAI	MPLES &	TESTS					STRATA		
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	1	Description	
0.20 0.40 0.60 0.60	J1 B2 ES3 PID	<0.1ppm		8.01		(0.90) - - - - - - - - - - - - - - - - - - -	MADE GROUND (Brown blace metal and wood. Sand is fine subangular and includes ash, 0-25%). MADE GROUND (Brown grave subrounded and includes sand (Pipe bedding).	to coarse. Graclinker and s	avel is fine to coarse lag. Slag content is
1.80	J4			7.41	×— × ; × — × ;	(1.00)	at c.1.20m BGL 150mm dia Soft to firm (friable) interlamin sand/sandy silt lenses.		
2.30	B5			6.41	^ -x	2.50			
		PLAN 2.00 Face A			1		INDWATER ted strata between 0.90-1.50m BG	GL (Slow inflow)
Face D		Orientation 090° ■		race b	1.50	STABI Pit side	LITY es and base stable throughout exc	avation.	
		Face C][
	ADDIT	IONAL INFORM	MATIO	N		GENE	RAL REMARKS		
						- -	•		

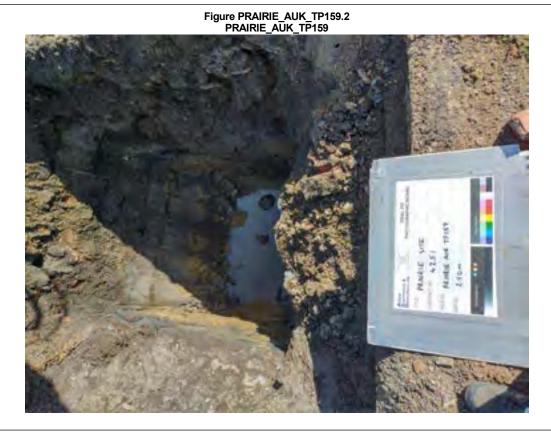
ADD	ITIONAL INFOR	MATION	GENERAL REMARK	KS		
Sketch Diagram:	No s	Sketch Taken				
Photographs:	Yes	See additional sheets.				
All dimensions i		For explanation of abbreviations se	of symbols and see Key Sheets	Checked by: <i>K,W</i>	Logged by: D. Portsmouth	Contract No. 4251

Print Date and Time: 06/11/2020 14:33:56

ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999

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





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





Location:

Status:-

FINAL

Exploratory Hole No.

PRAIRIE_AUK_TP160

◮	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 3 Tel: 01772 735 300 Fax: 01772
E		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation

Client:

5	South Tee	es Development	Corpo	ration			- 4	- 4004 F00 N F04	000 004	PRAIRIE_AUK_TP16
Method (Equipn					, ,			54601.562 N:521(ound Level (m):	Start Date:	Sheet:
	Machine	e Excavated (36	U Trac	ked Exc	cavator)			10.063	21/04/202	20 1 of 3
SAM	MPLES &	TESTS						STRA	TA	
Depth	Type No	Test Result	Water	Reduced Level	Legend (Depth Thickness))		Description	1
0.20 0.30 0.70 0.75 1.00 1.10 1.30 1.50	J1 B2 J3 ES4 PID J5 B6 PID	0.7ppm <0.1ppm		9.66 9.46 9.26		(0.40)	MADE MADE is fine coarse Firm la mediur at c.0.8 wester	se. Gravel is fine te, ash, coke and ar grey). GROUND (Conc GROUND (Brown to coarse and incisubangular and iminated grey brown. Bom BGL 150m edge of pit runn ated at 2.10m BG	to coarse suban brick. Slag cont rete and 10mm on sandy gravel would be predominated by the sandy sandy sandy sandy sandy sandy and diameter casting 000 degrees	with fragments of metal. San antly ash. Gravel is fine to nker and coke). y CLAY. Sand is fine to t iron pipe (redundant) in s.
-		3.20 Face A			1			inflow observed.		
Face D		Orientation 090°		- ac	1.20 	STABI Pit side	ILITY es and ba	se stable througho	out excavation.	
		Face C]]					
	ADDIT	TONAL INFORM	ИАТІО	N		GENE	RAL RE	MARKS		
Okat-l- D'		N. O	leate - T	alran						
Sketch Dia	gram:	NO S	ketch T	aken		H				

Checked by:

Logged by: D. Portsmouth

Contract No.

4251

Photographs:

All dimensions in metres Scale 1:50

See additional sheets.

For explanation of symbols and abbreviations see Key Sheets

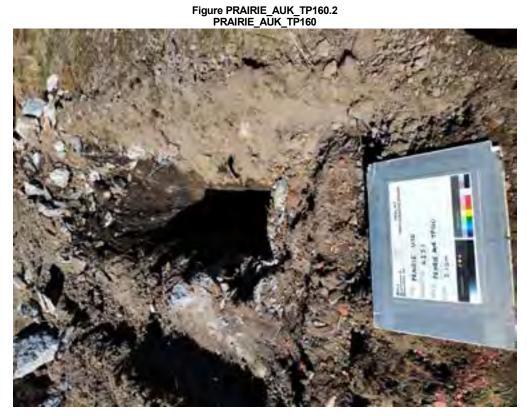
Project:

Client:

Status:-

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





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





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¢Ξ	TRI	AL PIT R	ECORD		FINAL
Project:	Prairie Site Ground Inve	estigation Wo	rks		Exploratory Hole No.
Client:	South Tees Development Corporation	Location:	E:454550.399 N:521081.30	5	PRAIRIE_AUK_TP161
Method (Eq	uipment): Machine Excavated (360 Tracked Excavator)	•	Ground Level (m): 10.027	Start Date: 20/04/2020	Sheet: 1 of 4

							E:454550.399 N:521081.3		
Method (Equi		e Excavated (360) Trac	ked Exc	cavator)		Ground Level (m): 10.027	Start Date: 20/04/2020	Sheet: 1 of 4
Si	AMPLES 8	TESTS					STRATA	-	1
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	I	Description	
0.50 0.80 0.80 1.00 1.50 1.80 2.00 2.00 2.50	J1 B2 PID ES3 J4 B5 ES6 PID J7	0.8ppm <0.1ppm		9.73		(1.50)	MADE GROUND (Grey sandy is fine to coarse. Gravel is fine slag, concrete and coke. Slag angular and include slag. Slag grey green). MADE GROUND (Grey red at fragments of wood. Sand is fine subangular and includes concessubangular and include slag as Slag is vesicular grey). (Engineer notes concrete struat c.1.20m BGL concrete nbetween c.1.20-2.30m BGL structures. Firm brown laminated brown (lenses.) Complete at 2.70m BGL.	e to coarse su content is 25 g content is 75 and black sand ne to coarse. crete, slag, as and concrete. cuture close to oted. Pit exter. possibly rew	bangular and includes -50%. Cobbles are 5-100%. Slag is vesicular y gravel and cobbles with Gravel is fine to coarse h and brick. Cobbles are Slag content is 25-50%. pit walls). nded west to avoid. orked due to adjacent
ŀ		PLAN 3.50 Face A			1		NDWATER undwater inflow observed.		
Face D		Orientation 000° Face C		T ace D	2.50 —	STABI Pit side	LITY ss and base stable throughout exc	avation.	
	ADDI [*]	TIONAL INFORM	IATIO	N			RAL REMARKS ncrete walls bound pit to east and	west.	
Sketch D	Diagram:	Sket	tch Tal	ken			p		
Photog	raphs:	Yes		See add shee					

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. **4251**

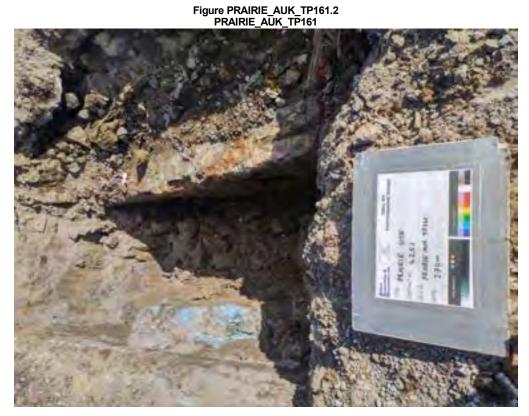
All dimensions in metres Scale 1:50

ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999

2 of 4

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





Project:

Client:

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

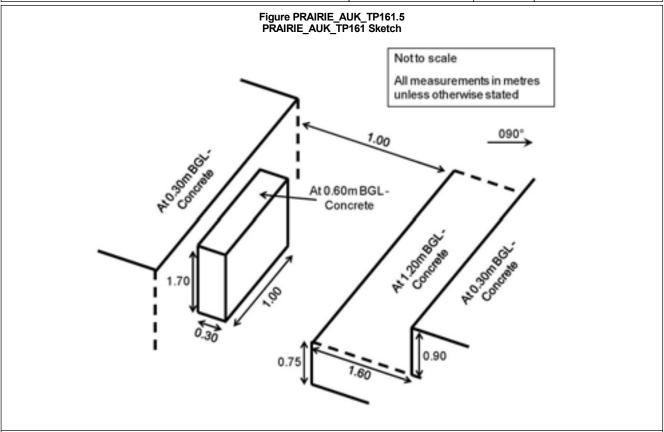




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Status:-TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP161 South Tees Development Corporation E:454550.399 N:521081.305 Start Date: 20/04/2020 Method (Equipment): Machine Excavated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



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

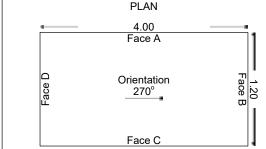
Tel: 0191 387 4700 Fax: 0191 387 4710

Status:-

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TRIAL PIT RECORD FINAL Project: Prairie Site Ground Investigation Works Client: South Tees Development Corporation E:454442.350 N:521100.483 Method (Equipment): Ground Level (m): Start Date: 14/04/2020 1 of 3

	Machine Excavated (360 Tracked Excavator)							14/04/2020	1 of 3	
S	SAMPLES &	TESTS			STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Description		
0.70 0.90 1.60 1.70 2.00 2.50 3.10 3.50	J1 B2 J3 ES4 PID J5 B6 J7	<0.1ppm		10.16 10.06 8.76	× × × × × × × × × × × × × × × × × × ×	(1.30) (1.20) (1.00) (1	cobble content and fragn s fine to coarse subanguages Slag content is 50-75%. ed brick. Slag content is MADE GROUND (Soft to	ete). brown clayey very nents of wood. San and includes by Cobbles are angular 25-50%. Slag is well as and gravel. Sandy gravel. Sandular to subrounded of high plasticity.	sandy gravel with medium id is fine to corse. Gravel rick, slag, ash and clinker. ar and include slag and esicular grey). ghtly sandy clay with is fine to coarse. Gravel and includes ash and	
• 		PLAN 4.00 Face A			<u>. </u>		DWATER I strata at 2.80m BGL with	in granular lenses (h	neavy inflow).	



STABILITY
Pit sides moderately stable throughout excavation.

	ADD	ITIONAL INFOR	MATION	GENERAL REMARK	KS		
	Sketch Diagram:	No ·	Sketch Taken				
	Photographs:	Yes	See additional sheets.				
ĺ	All dimensions	in metres	For explanation of	of symbols and	Checked by:	Logged by:	Contract No.

All dimensions in metres Scale 1:50

Scale 1:50

For explanation of symbols and abbreviations see Key Sheets

For explanation of symbols and abbreviations see Key Sheets

Checked by: Logged by: D. Portsmouth

4251

Status:-

TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP162 South Tees Development Corporation E:454442.350 N:521100.483 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 14/04/2020 Ground Level (m): 10.562 2 of 3





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Status:-

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



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

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP163 South Tees Development Corporation E:454390.977 N:521100.487 Ground Level (m): 9.875 Method (Equipment): Start Date: Machine Excavated (360 Tracked Excavator) 14/04/2020 1 of 3 **SAMPLES & TESTS** STRATA Water Reduced Depth Depth Legend Description MADE GROUND (Brown black sand with many rootlets. Sand is fine to coarse and includes ash). MADE GROUND (Red brown black very sandy gravel with fragments of wood. Sand is fine to coarse. Gravel is fine to coarse and includes (0.90)0.50 .11 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). B2 0.80 **₹** MADE GROUND (Black gravel and cobbles with fragments of wood. 1.20 FS3 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). PID 1.20 4.5ppm 1.60 1.70 J4 B5 (1.10) Soft to firm grey brown slightly sandy CLAY. 1.90 1.90 2.00 FS6 at c.1.60m BGL ... clay is of intermediate plasticity. PID 2.1ppm 54 (36)kPa Complete at 2.40m BGL. **GROUNDWATER** Saturated strata at 1.10m BGL (slight inflow).

	PLAN	
-	3.50	
	Face A	- 11
Face D	Orientation 270° ∎	- 1.20 - Face B
	Face C	

STABILITY Pit sides stable throughout excavation.

ADD	ITIONAL INFOR	RMATION	GENERAL REMARK	(S		
Sketch Diagram:	Sketch Diagram: No Sketch Taken					
Photographs: Yes		See additional sheets.				
All dimensions i	in metres	For explanation of	of symbols and	Checked by:	Logged by:	Contract No.

For explanation of symbols and Logged by: All dimensions in metres D. Portsmouth abbreviations see Key Sheets K.W 4251 Scale 1:50

ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999

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





Status:-

Œ	TRI		FINAL		
Project:	Prairie Site Ground Inve	rks		Exploratory Hole No.	
Client:	South Tees Development Corporation	Location:	E:454390.977 N:521100.48	37	PRAIRIE_AUK_TP163
Method	(Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 9.875	Start Date: 14/04/2020	Sheet: 3 of 3



Location:

Status:-

FINAL

Exploratory Hole No.

<u> </u>	Head Office: Regional Office:	Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-ie-Street, Co. Durham, DH2 2RG Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL	Tel: 0191 387 4700 Fax: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Client:

Client:	South Tee	s Development	Corpo	ration		Location				PRAIF	RIE_AUK_TP164
Method (Equipment): Machine Excavated (360 Tracked Excavator)						E:454338 Ground Le		Start Date:	Sheet:	1 of 4	
Machine Excavated (360 Tracked Excavator)								10.003	16/04/2020		1 of 4
SAN	//PLES &	TESTS			ı	1	STRATA				
Depth Type Test ਤੁੰ Reduced No Result S Level			Legend	Depth (Thickness)	Description						
2.60 J8 X X X X X X X X X X X X X X X X X X		× × × × × × × × × × × × × × × × × × ×	(0.40) (0				Sand is fine to ludes ash, clinker, vesicular). is fine to coarse and include slag. y sand. Sand is and includes				
3.80	J10			6.20	x		Complete at	3.80m BGL.			
#	PLAN 3.20 Face A Orientation						JNDWATER ted strata at 2.4	40m BGL (Slow inf	low).		
Orientation Orientation ORIGINATION ORIGINATION ORIGINATION Face C					STAB Pit side		able throughout exc	cavation.			
	ADDITIONAL INFORMATION					GENE	RAL REMAR	KS			
Sketch Diagram: No Sketch Taken											
Photograp	Photographs: Yes See additional sheets.										
All dimensions in metres For explanation Scale 1:50 abbreviations s					of symbo	ols and Sheets	Checked by:	Logged D. Portsr	l by: nouth	Contract No. 4251	

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





TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP164 South Tees Development Corporation E:454338.024 N:521112.664 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 16/04/2020 Ground Level (m): 10.003 3 of 4





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



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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP165 South Tees Development Corporation E:454460.835 N:521028.046

Method (Equip	mont)·							Ground Level (m):	1020.04	Start Date:	Sheet:
Metriou (Equipi		e Excavated (36	0 Trad	ked Exc	cavator)			13.490		15/04/2020	1 of 3
SA	MPLES 8	TESTS						STR	RATA	•	•
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			D	escription	
0.50 0.80 1.00 1.00 1.50 1.80 2.50 2.80 3.30 3.30	J1 B2 ES3 PID J4 B5 J6 B7 PID ES8	<0.1ppm		10.89		(2.60)	at c MAI con coa con at c	n high cobble conterse subangular and crete. Cobbles are tent is 0-25%. Slag on c.0.00m BGL Figure 2.60m BGL Figure 3.60m BGL Figure 3.60m BGL Figure 3.60m BGL Figure 3.60m BGL Content and pockets of rise subangular and crete. Cobbles are tent is 0-25%. Slag 3.3.0m BGL content subangular and crete. Cobbles are tent is 0-25%. Slag 3.3.0m BGL content subangular and crete. Cobbles are tent is 0-25%. Slag 3.3.0m BGL content subangular and crete.	nt. Sand d include angular j is vesic ace B: (d brown y f ash. Sa d include angular j is vesic crete. E.	ab - pit extend yellow sandye and include cular). Concrete pilla yellow sandye and is fine to es red and yellow and include cular).	ded 3.00m east. gravel with high cobble coarse. Gravel is fine to llow brick, slag and yellow and red brick. Slag s evidence of reworked
								minated at 3.30m B			ermine due to concrete. base.
		PLAN				GROU	INDW	/ATER			
-		5.00 Face A			1			ater inflow observed.			
Face D	Orientation Fall 120 B							derately unstable thre	oughout	excavation.	
		Face C][
	ADDITIONAL INFORMATION							REMARKS			
ADDITIONAL INFORMATION Sketch Diagram: Sketch Taken							(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.				
						∃					

See additional sheets. Photographs:

Checked by: Logged by: D. Portsmouth Contract No. All dimensions in metres Scale 1:50 For explanation of symbols and abbreviations see Key Sheets 4251

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



Figure PRAIRIE_AUK_TP165.2 PRAIRIE_AUK_TP165

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 735 390 Fax: 01772 735 399

Status:-

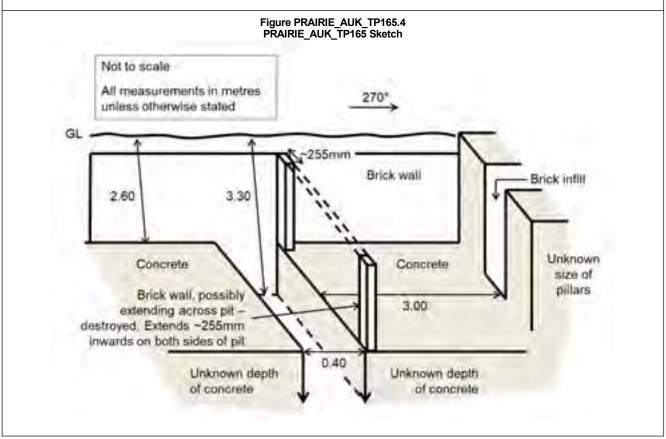
FINAL



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

TRIAL PIT RECORD



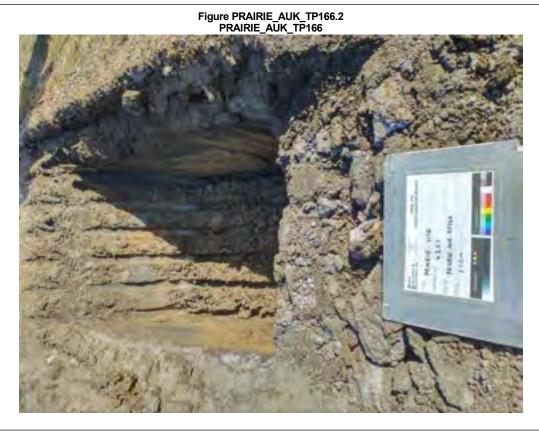


A	A	Head Office:	Unit 25 Ste	ella Gill Indust	trial Estate, Po	_	ter-le-St	JEOIECHI reet, Co. Durham, DH2 2RG Journ, BB1 5BL Tel	: 0191 38	7 4700 Fax: 0191 387 35 300 Fax: 01772 73	7 4710 7 5 999		
					TR	IAL PI	IT R	RECORD			Status:- FINAL		
Project:			Prairie	Site Gr	ound Inv	estigatio	n Wo	orks			Exploratory Hole No.		
Client:	South Tee	s Development	Corpo	oration		Location					PRAIRIE_AUK_TP166		
Method (Equi		Excavated (36	0 Trac	ked Exc	cavator)			E:454598.318 N:5209 Ground Level (m): 11.088	991.33	Start Date: 20/04/2020	Sheet: 1 of 3		
S/	AMPLES &	TESTS						STRA ⁻	TA	l.			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			D	escription			
0.35 0.40 0.45 0.50 0.60 0.70 1.00 1.00 1.120	J1 B2 ES3 PID J4 B5 J6 PID B7 ES8	0.2ppm <0.1ppm PLAN 3.50 Face A		10.79 10.59 10.29			is fi cook MA and to s MA Firr	ne to coarse subangue. Slag content is 25- DE GROUND (Black	ular ar 50%. browr htly as des as	nd includes sl Gravel is ves n sandy grave sh. Gravel is f sh, clinker an grey mottled	el. Sand is fine to coarse ine to medium subangular d coke).		
Face D		Orientation 090° ∎ Face C		п асс 0	1.20 ———	STABI Pit side		d base stable throughou	ut exca	avation.			
	ADDIT	IONAL INFORM	MATIO	N		GENE	RAL	REMARKS					

ADD	ITIONAL INFOR	MATION	GENERAL REMAR	KS		
Sketch Diagram:	No S	Sketch Taken				
Photographs:	Yes	See additional sheets.				
All dimensions i Scale 1:		For explanation of abbreviations se		Checked by:	Logged by: D. Portsmouth	Contract No. 4251

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP166 South Tees Development Corporation Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 20/04/2020 2 of 3





Ġ	TRI	AL PIT R	ECORD		FINAL
Project:	Prairie Site Ground Inve		Exploratory Hole No.		
Client:	South Tees Development Corporation	Location:	E:454598.318 N:520991.33	31	PRAIRIE_AUK_TP166
Method (E	equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 11.088	Start Date: 20/04/2020	Sheet: 3 of 3



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Ġ	TRI	AL PIT R	ECORD		FINAL
Project:	Prairie Site Ground Inve	estigation Wo	rks		Exploratory Hole No.
Client:	South Tees Development Corporation	Location:	E:454482.468 N:520987.28	30	PRAIRIE_AUK_TP167
Method (Eq	uipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 15/04/2020	Sheet: 1 of 2

lethod (Equipment): Machine Excavated (360 Trad	ked Exc	cavator)		Ground L	evel (m): 13.208	Start Date: 15/04/2020	Sheet:	1 of 2
SAMPLES & TESTS						STRATA			
Depth Type Test No Result	Water	Reduced Level	Legend	Depth (Thickness)		С	escription		
0.50 J1 0.80 B2 0.50 J3 0.80 B4 0.80 B4 0.80 SES6 0.50 PID <0.1ppm		13.01		(2.40)	MADE GROUND (Red brown yellow sandy gravel with le content. Sand is fine to coarse. Gravel is fine to coarse and includes red and yellow brick, slag and concrete. Coangular and include red and yellow brick. Slag content is MADE GROUND (Grey cobbles and boulders with rebail Cobbles and boulders are angular and include concrete at c.1.80m BGL slightly clayey/silty sandy gravel with cobble content.				
PLAN *				GROUN No grour	DWATER	w observed.			
Face A	n]						
O Orientatio 270° 2 270° ■	•	Ω C C	1.20 —	STABILI Pit sides		unstable throughout	excavation.		
Face C			_1						
ADDITIONAL INFO	N		GENER	AL REMAR	KS				
Sketch Diagram: N	aken								
Photographs: Yes		See add shee							
All dimensions in metres Scale 1:50		For exp abbrev	lanation viations s	of symbols see Key Sh	and eets	Checked by:	Logged D. Portsi	d by: mouth	Contract No. 4251

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

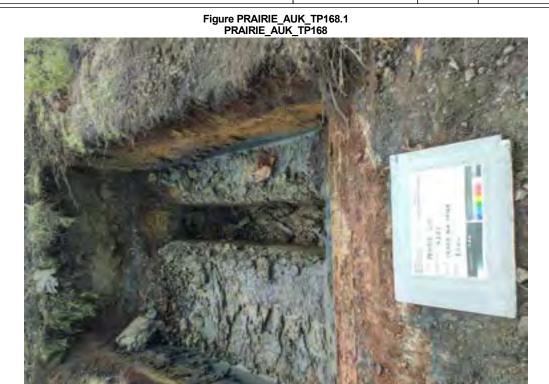


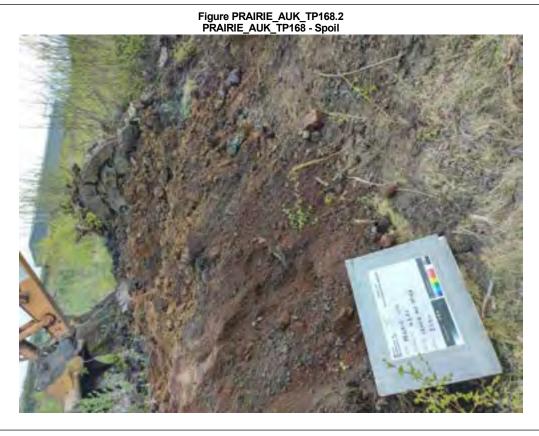


A	A	Head Office:	Unit 25 Ste	ella Gill Indus	trial Estate, P		ter-le-Str		S LIM 37 4700 Fax: 0191 38 735 300 Fax: 01772 73	7 4710
					TR	RIAL PI	TR	ECORD		Status:- FINAL
Project:			Prairie	Site Gr	ound In	vestigatio	n Wo	rks		Exploratory Hole No.
Client:	South Tee	es Development	Corpo	oration		Location	-	E:454395.577 N:521002.4	19	PRAIRIE_AUK_TP168
Method (Equipn		e Excavated (36	0 Trac	ked Exc	cavator)		_	Ground Level (m): 10.121	Start Date: 09/04/2020	Sheet: 1 of 2
SAM	∕IPLES &	TESTS						STRATA	•	•
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Γ	Description	
0.05 0.05 0.20 0.30 0.60	ES1 PID J2 B3 J4	<0.1ppm		9.72	\bowtie	0.10	MA MA met sub	DE GROUND (Brown clays oarse and includes ash). DE GROUND (Brown blac al and wood. Sand is fine angular and includes ash, 5%. Slag is vesicular)	k red sandy g to coarse. Gr	gravel with fragments of avel is fine to coarse
				9.02		1.10	MA	DE GROUND (Soft to firm	grey mottled	black silty clay with low

			-							
0.05	ES1			10.02	\bowtie	0.10	MADE GRO	JND (Brown clayey	sand with many roo	otlets. Sand is fine
0.05	PID	<0.1ppm		9.72	\bowtie	0.40		d inclùdes ash). ´´		/
0.20 0.30	J2 B3			3.12		0.40	MADE GRO	JND (Brown black r	ed sandy gravel wit	h fragments of
0.60	J4				\bowtie	<u> </u>	∖ metal and wo	ood. Sand is fine to	coarse. Gravel is fi	ne to coarse
					\bowtie	(0.70)	\subangular a	ind includes ash, cli	inker and slag. Slag	content is
0.80	B5			0.00	\bowtie	١.,	0-25%. Slag			
				9.02	<u>kxxxx</u>	1.10	MADE GRO	JND (Soft to firm gr	ey mottled black sil	ty clay with low
					<u> </u>	[\cobble conte	nt. Cobbles are and	gular and include re	d brick).
1.40	J6				[<u> </u>		rown red grey sligh	tly sandy CLAY with	n occasional sand
1.60	B7				<u> </u>	(1.00)	lenses.			
1.00	67				<u> </u>	ļ				
					<u> </u>					
2.00	HSV	96 (42)kPa		8.02		2.10	Complete at	2 10m PCI		
						-	Complete at	2. IUIII BGL.		
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	I	DLAN				CDOU	NDWATED			
		PLAN					NDWATER undwater inflow	abaamiad		
		4.00				No gio	undwater innow	observed.		
		Face A			1					
					Ш					
					Ш					
		Orientation		7	n ."					
e		180°		Ž.	2.0					
Face D		100		u.	2.00	STABI				
					l I	Pit side	s stable throug	hout excavation.		
					Ш					
		Face C			Ш					
		1 400 0			_ •					
						JL				
	דוחחא	TONAL INFORM	ΛΑΤΙΩΝ			GENE	RAL REMARK	S	<u> </u>	
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TOTAL HAI OIGH	101	•		~~! `				
Sketch Diagr	ram:	No S	ketch Ta	ken						
						\dashv				
Photograph	ns:	Yes		See add						
				shee	is.					
All dimen	sions in	metres		or eyn	lanation	of symbo	ls and	Checked by:	Logged by:	Contract No.
	cale 1:50		'	abbrev	iations s	of symbo	heets	Checked by: <i>K,W</i>	D. Portsmouth	4251

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





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

Status:-

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Project:

TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Location:

Client: PRAIRIE_AUK_TP169 South Tees Development Corporation E:454473.400 N:520964.531 Start Date: 15/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 12.930 1 of 4

SAMPLES & TESTS				STRATA							
Depth Type Test No Result	Water	Reduced Level	Legend	Depth (Thickness)		De	escription				
0.50 J1 0.80 B2 1.50 ES3		12.23 11.73		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). 1.20 1.20 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. 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 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). 1.20 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). 1. 2.20 1. 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 3.00 3.							
PLAN				GROUNDWATER No groundwater inflow observed.							
To a contact on the second sec		T accord	2.00	STABI							
Face C]	Pit side	es moderately u	ınstable throughout ε	excavation.					
ADDITIONAL INFOR	ADDITIONAL INFORMATION										
Sketch Diagram: No S	aken										
Photographs: Yes		See add shee									
All dimensions in metres Scale 1:50	For exp abbrev	lanation iations s	of symbo see Key S	ols and heets	Checked by:	Logged by: D. Portsmouth	Contract No. 4251				

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP169 South Tees Development Corporation E:454473.400 N:520964.531 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 15/04/2020 Ground Level (m): 12.930 2 of 4





TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP169 South Tees Development Corporation E:454473.400 N:520964.531 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 15/04/2020 3 of 4





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



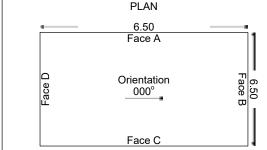
Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP170 South Tees Development Corporation E:454583.361 N:521042.047 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 21/04/2020 1 of 3

Machine Excavated (360 Tracked Excavator)							10.409	21/04/2020	1 of 3	
SAMPLES & TESTS								STRATA	·	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description	
0.30 0.40 0.50 0.50 1.00 1.50 1.50 1.80	J1 B2 ES3 PID ES4 PID J5 PID B6	<0.1ppm 17.5ppm 1.1ppm		9.71 9.61 9.11 8.61		(0.50) 0.70 0.80 (10.50) 1.30 	to co conc Vesic MAD conte Grav red b conc MAD exca MAD with hydro Firm to me	arse. Gravel is fine to corete, ash, coke and red cular grey green). E GROUND (Brown bla ent. Sand is fine to coarse subarick and slag. Cobbles arete. Slag content is 25-E GROUND (Concrete evate down eastern edge E GROUND (Firm grey yellow brown sand lense pocarbon odour).	carse subangubrick. Slag concects grey sandy se and includer and includer are angular and so	gravel with high cobble spredominantly ash. ludes ash, clinker, coke, dinclude brick and esicular grey green).
		PLAN 6.50 Face A			٠,	GROUN No grour		ATER er inflow observed.		
Face D		Orientation		- 9 0 0	6.50 E	STABILI Pit sides		pase stable throughout ex	cavation	



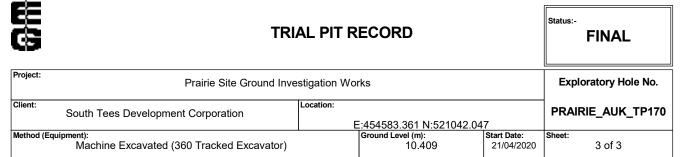
Pit sides and base stable throughout excavation.

ADD	ITIONAL INFOR	MATION	GENERAL REMARK	KS		
Sketch Diagram:	No S	Sketch Taken				
Photographs:	Yes	See additional sheets.				
All dimensions i Scale 1:		For explanation of abbreviations se	of symbols and ee Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4251

TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP170 South Tees Development Corporation Start Date: 21/04/2020 Method (Equipment):
Machine Excavated (360 Tracked Excavator) 2 of 3









Status:-

FINAL

♣	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Prairie Site Ground Investigation works Exploratory Hole No.								Dratory Hole No.					
Client:	outh Tee	s Developmen	t Corpo	ration		Location			PRAIR	RIE_AUK_TP171			
Method (Equipm							E:454564 Ground Le		Start Date:	Sheet:			
	Machine	Excavated (3	60 Trac	ked Exc	cavator)			11.593	20/04/2020		1 of 3		
SAM	IPLES &	TESTS					STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description				
0.50 0.60 0.70 0.75 1.00 1.120 1.30 1.50 1.50 1.80	PID J1 B2 ES3 PID J4 B5 ES6 J7 PID B8	1.4ppm 1.3ppm <0.1ppm		11.09 10.59 10.29		(0.50) 0.50 1.00 1.30 - (0.80) - 2.10	is fine to coa slag, concre angular and vesicular gre MADE GRO and includes to subround MADE GRO Firm laminat lenses.	includes slag. Cay green). UND (Brown blass predominantly a ed and includes sub) UND (Soft to firm ted brown CLAY	ne to coarse survel slag conter obble slag con ck sandy grave ash. Gravel is f ash, clinker an n grey mottled	bangular nt is 25-5 tent is 75 el. Sand i ine to me d coke). silty clay)	and include 0%. Cobbles are 5-100%. Slag is s fine to coarse edium subangular		
Sketch Diag	gram:	PLAN 3.50 Face A Orientation 090° Face C	MATIO Sketch T	N	litional	STABI Pit side		able throughout ex	cavation.				
	nsions in			For exp	lanation	of symbo	ols and Sheets	Checked by:	Logged D. Portsr	l by:	Contract No. 4251		

Project:

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP171 South Tees Development Corporation E:454564.178 N:520951.248 Start Date: 20/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) 2 of 3





Status:-

GS	TRI		FINAL		
Project:	Prairie Site Ground Inve		Exploratory Hole No.		
Client:	South Tees Development Corporation	18	PRAIRIE_AUK_TP171		
Method (Ed	quipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 11.593	Start Date: 20/04/2020	Sheet: 3 of 3



Status:-

FINAL

Exploratory Hole No.

<u> </u>	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: 015 Tel: 01772 735 300 Fax: 017
Ğ		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation					Location		070 N.500000 0	0.5	PRAI	RIE_AUK_TP172	
Method (Equipm		e Excavated (36	0 Trac	ked Exc	cavator)		Ground Le	3.970 N:520896.60 evel (m): 12.862	Start Date: 06/04/2020	Sheet:	1 of 3
SAN	/IPLES &	TESTS						STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		[Description		
0.40 0.60 0.80 0.80 1.40 1.60	J1 B2 ES3 PID J4 B5	<0.1ppm	×	12.66		(1.90)	MADE GRO to coarse an MADE GRO fragments of Gravel is fin- concrete. Co concrete and at c.0.60m E		ey sand with a dy gravel with tic and wood. gular and includer in the second se	high co Sand is ludes slaude red Slag is service in was co possible	as TP was near entered in the pit e service.
-		PLAN 2.50 Face A			1		JNDWATER undwater inflov	v observed.			
Face D		Orientation 		1 0 0 0	1.50 —	STAB Pit side		oughout excavation	-		
		Face C			_1						
	ADDIT	IONAL INFORM	/ATIO	N		GENE	RAL REMARK	(S			
Sketch Diaç	gram:	No S	ketch T	aken							
Photograp	ohs:	Yes		See add shee							
	nsions in Scale 1:50			For exp	lanation	of symbo	ols and Sheets	Checked by:	Logged D. Portsi		Contract No. 4251

South Tees Development Corporation

TRIAL PIT RECORD Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location:

PRAIRIE_AUK_TP172 E:454508.970 N:520896.605

FINAL

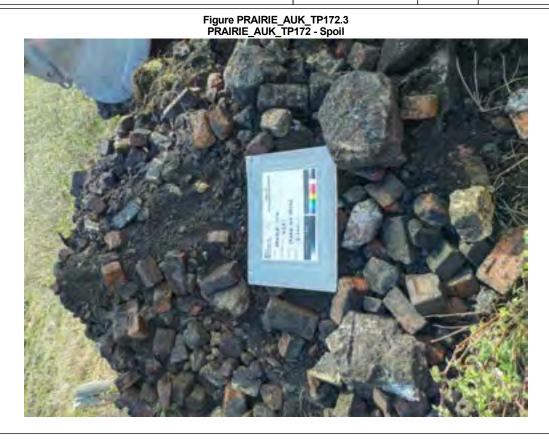
Method (Equipment):
Machine Excavated (360 Tracked Excavator)

Start Date: 06/04/2020 Ground Level (m): 12.862 2 of 3





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



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

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP173 South Tees Development Corporation E:454451.197 N:520922.212 Ground Level (m): 11.407 Method (Equipment): Start Date: Machine Excavated (360 Tracked Excavator) 09/04/2020 1 of 3 **SAMPLES & TESTS** STRATA Water Reduced Depth Depth Legend Description MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash). MADE GROUND (Grey gravel. Gravel is medium to coarse subangular to subrounded and includes slag. Slag content is 0.60 J1 ∖75-100̃%. Slag is vesicular). 0.80 0.90 0.90 B2 Soft to firm brown grey thinly and thickly interbedded SILT and CLAY ES3 PID with occasional sand lenses. <0.1ppm at c.0.80m BGL \dots very sandy gravel with clay pockets. J4 HSV* 1.40 (2.30) 1.50 × x × 1.80 B5 × - × 2.40 2.50 J6 HSV Complete at 2.70m BGL. **PLAN GROUNDWATER** No groundwater inflow observed. 4.00 Face A Face Face D Orientation 2.00 180° **STABILITY** Ψ Pit sides stable throughout excavation. Face C

ADD	ITIONAL INFOR	MATION	GENERAL REMARK		_	
Sketch Diagram:	No S	Sketch Taken	(1) Material too friable	e/sandy for HSV testin	g.	
Photographs:	Yes	See additional sheets.				
All dimensions Scale 1:		For explanation of abbreviations se	of symbols and ee Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4251

Print Date and Time: 06/11/2020 14:35:33

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works

Client: Location: PRAIRIE_AUK_TP173 South Tees Development Corporation E:454451.197 N:520922.212 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 09/04/2020 2 of 3







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

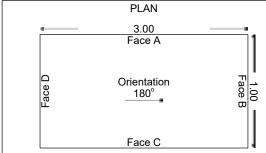


Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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

OAW	LLOG	ILOIO	1			SINAIA		
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
0.40 0.60 0.80 0.80 1.20 1.40 1.60 1.60	J1 B2 ES3 PID J4 B5 ES6 PID	<0.1ppm		11.75 10.75	× × × × × × × × × × × × × × × × × × ×	(1.50)	to coarse and includes ash). 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). 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.	
		DI AN	1	l	l	CDC	INDWATER	



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.

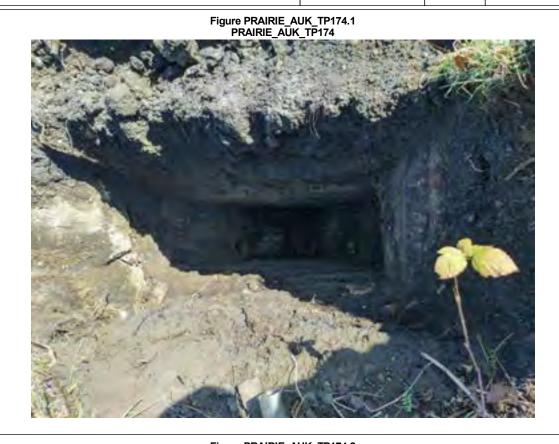
All dimensions in metres	For explanation of symbols and	Checked by:	Logged by:	Contract No.
Scale 1:50	abbreviations see Key Sheets		D. Portsmouth	4251
	,			

Client:

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: 01972 735 390 Fax: 01772 735 399

Status:-

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





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



Location:

E:454511.473 N:520862.590

Ground Level (m): 12.085

Start Date: 06/04/2020

A	Head Office: Regional Office:	Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG te: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01912 Tel: 01972						
		TRIAL PIT RECORD						
Project:		Prairie Site Ground Investigation Works						

South Tees Development Corporation

Method (Equipment):

Machine Excavated (360 Tracked Excavator)

Client:

FINAL Exploratory Hole No. PRAIRIE_AUK_TP175

1 of 3

Status:-

SAMPLES & TESTS Depth Type No Test Result 11.79 Depth Type No Test Result Depth Type No Test Result Reduced Legend Depth (Thickness) MADE GROUND (Brown clayey sand with many rootlets. Sand is to coarse and includes ash). MADE GROUND (Brown clayey sand with many rootlets. Sand is to coarse. Gravel is fine to coarse subangular and includes slag, broand concrete. Cobbles are subangular and include brick and concrete. Slag content is 25-50%. Slag is vesicular. Strong Hydrocarbon odour). At c.0.60m BGL loose broken piece of 6" pipe containing black sandy gel like liquid - possibly partially solidified tar/oil.												
0.40 J1 0.60 B2 0.80 PID 101.1ppm MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash). MADE GROUND (Brown clayey sandy cobbles. Sand is fine to coarse. Gravel is fine to coarse subangular and include slag, briand concrete. Cobbles are subangular and include brick and concrete. Slag content is 25-50%. Slag is vesicular. Strong Hydrocarbon odour). at c.0.60m BGL loose broken piece of 6" pipe containing black sandy gel like liquid - possibly partially solidified tar/oil.	SAMPLES &	TESTS							STRAT	ГА		
11.79 0.30 to coarse and includes ash). MADE GROUND (Brown clayey sandy cobbles. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, brown and concrete. Cobbles are subangular and include brick and concrete. Slag content is 25-50%. Slag is vesicular. Strong Hydrocarbon odour). A to coarse and includes ash). MADE GROUND (Brown clayey sandy cobbles. Sand is fine to coarse. Gravel is fine to coarse subangular and include slag, brown and concrete. Slag content is 25-50%. Slag is vesicular. Strong Hydrocarbon odour). A to coarse and includes ash).	Depth Type No		Water		Legend			·				
1.40 1.50 1.60 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.8	0.40 J1 0.60 B2 0.80 ES3 0.80 PID 1.40 J4 1.50 HSV 1.60 B5 1.80 ES6 1.80 PID 2.50 HSV* 3.50 HSV*	101.1ppm 49 (20)kPa		11.79 11.19	x x x x x x x x x x x x x x x x x x x	(Thickness) 0.30 (0.60) 0.90 (3.60)	MAI to c MAI coa and con- Hyd at c san- Eirn Eng at c	parse and in DE GROUN se. Gravel i concrete. Corcrete. Slag of crocarbon on 0.60m BGL dy gel like lich brown san ineer notes 1.40m BGL	ncludes as ID (Brown is fine to c Cobbles ar content is dour). loose t quid - pos dy CLAY v grades to clay is	clayey sh). clayey coarse re suba 25-50' broken ssibly p with si o silt wi	y sand with a sandy cob subangular and %. Slag is v a piece of 6" artially solic it lenses. Sath clay inter	bles. Sand is fine to and includes slag, brick include brick and resicular. Strong plack diffied tar/oil. and is fine to medium. beds. Hydrocarbon odour

	PLAN	
-	2.50	-
	Face A	1
Face D	Orientation 180° 	1.50 Face B
	Face C	

GROUNDWATER Perched water at 0.90m BGL - slight inflow.

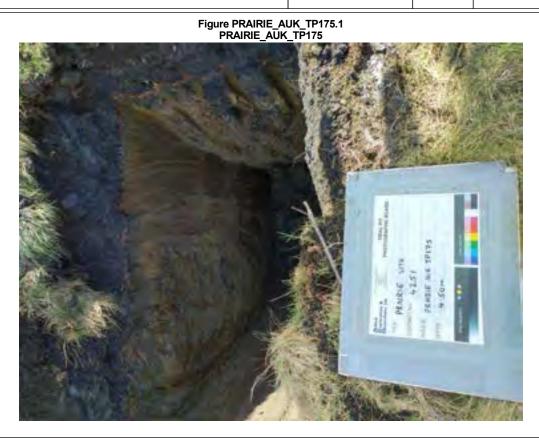
STABILITY
Pit sides stable throughout excavation.

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

GENERAL REMARKS

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

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





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



Status:-

FINAL

Exploratory Hole No.

◮	Head Office: Regional Office:								
		TRIAL PIT RECORD							
Project:		Prairie Site Ground Investigation Works							

Client:	outh Tee	es Development C	Corpo	oration		Location	1:				PRAIRIE_AUK_TP176
Method (Equipme	nt):							E:454471.902 N Ground Level (m):		47 Start Date:	Sheet:
		e Excavated (360	Trac	ked Exc	cavator)			12.1		07/04/2020	1 of 3
SAMI	PLES &	TESTS							STRATA	•	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			[Description	
0.40 0.50 0.90 0.90 1.50 1.50 2.00	J1 B2 ES3 PID HSV J4 B5	1.1ppm 54 (36)kPa		11.17		(1.00)	subves MA frag clin 0-2 (En Sof of c	prounded and in sicular). DE GROUND (gments of wood ker, ash, coal, v 5%. Slag is ves gineer notes 15	Red, brown I. Sand is fin concrete, re sicular grey) 50mm cast rown mottle	g. Slag content and black clane to coarse. Ped brick and sl). iron pipe brok	ayey sandy gravel with Gravel is fine to coarse of lag. Slag content is then and loose in pit). They with traces
# D		PLAN 2.50 Face A Orientation			1			VATER ater inflow obser	ved.		
Face D		180°			0.80	STABI Pit side		ble throughout e	xcavation.		
	ADDIT	TIONAL INFORM	ATIO	N		GENE	RAL	REMARKS			
Sketch Diagra		No Ske									
Photograph	ıs:	Yes		See add							

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. 4251

All dimensions in metres Scale 1:50

Status:-

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





TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP176 South Tees Development Corporation E:454471.902 N:520790.947



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

Contract No.

4251

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP177 South Tees Development Corporation E:454522.291 N:520695.237 Ground Level (m): 12 982 Method (Equipment): Start Date: Machine Excavated (360 Tracked Excavator) 07/04/2020 1 of 3 **SAMPLES & TESTS STRATA** Nater Reduced Depth Depth Legend Description MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash). 0.40 MADE GROUND (Grey gravel. Gravel is coarse and includes slag. Slag content is 75-100%. Slag is vesicular (used as ballast)). 0.50 0.60 0.60 0.70 0.90 1.00 (0.40)ES2 PID B3 12.18 MADE GROUND (Red brown black sandy gravel. Sand is fine to 1.1ppm coarse. Gravel is fine to medium and includes clinker, ash, coal, (0.40)concrete and slag. Slag content is 0-25%). 11.78 MADE GROUND (Soft to firm brown grey mottled dark grey slightly **N** sandy clay. Sand is fine to medium). .16 1.40 at c.0.90m BGL ... clay is of high plasticity. MADE GROUND (Grey gravel with cobbles and boulders. Gravel is (1.10)B7 ES8 1.80 fine to coarse subangular and includes slag. Cobbles are angular to 1.90 1.90 subangular and include slag. Boulders are subangular to subrounded of slag. Slag content is 100%. Slag is vesicular). <0.1ppm 10.68 Terminated at 2.30m BGL - due to instability and proximity to **PLAN GROUNDWATER** Saturated strata at 1.40m BGL (heavy inflow). 2.40 Face A Face D Face Orientation 180° .20 **STABILITY** Pit sides unstable throughout excavation. Face C ADDITIONAL INFORMATION GENERAL REMARKS Sketch Diagram: No Sketch Taken See additional Photographs: Yes sheets.

For explanation of symbols and abbreviations see Key Sheets

Checked by:

K.W

Logged by:

D. Portsmouth

All dimensions in metres

Scale 1:50

TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP177 South Tees Development Corporation Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 07/04/2020 2 of 3





TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP177 South Tees Development Corporation Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 07/04/2020 Sheet: 3 of 3

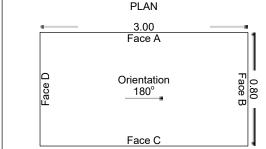


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Status:-TRIAL PIT RECORD **FINAL**

Project:	Prairie Site Ground Inve	Exploratory Hole No.			
Client:	South Tees Development Corporation	Location:	E:454541.891 N:520667.71	0	PRAIRIE_AUK_TP178
Method (Equ	uipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.162	Start Date: 06/04/2020	Sheet: 1 of 3

SAMPLES & TESTS					STRATA
Depth Type Test No Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.40 J1 0.60 B2 0.80 ES3 0.80 PID <0.1ppm		13.06 12.86		0.10	to coarse and includes ash). MADE GROUND (Grey gravel. Gravel is coarse and includes slag (used as ballast). Slag content is 75-100%. Slag is vesicular). MADE GROUND (Red brown black clayey very sandy gravel. Sand is fine to coarse. Gravel is fine to medium and includes clinker, ash,
1.40 J4 1.60 B5	A	11.66		1.50	coal and concrete). Firm brown grey mottled dark grey slightly sandy CLAY. Sand is fine to medium.
1.80 HSV 53 (26)kPa				(1.70)	to medium. at c.1.60m BGL clay is of very high plasticity.
2.00 n5v 52 (20)kPa		9.96		3.20	Stiff friable red brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular and includes
3.50 HSV*		8.66		(1.30) 	sandstone and mudstone.
		3.00			Complete at 4.50m BGL.
PLAN GROUNDWATER Perched water at 1.50m BGL (slight inflow).					



STABILITY
Pit sides stable throughout excavation.

ADDITIONAL INFORMATION			GENERAL REMARK	(S		
Sketch Diagram:	No S	No Sketch Taken				
Photographs:	Yes	See additional sheets.				
All dimensions in metres For		For explanation of	of aumbala and	Checked by:	I odded by.	Contract No

For explanation of symbols and abbreviations see Key Sheets ecked by: *K,W* All dimensions in metres Scale 1:50 D. Portsmouth 4251

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





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



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 4700 Fax: 01972 735 909

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP179 South Tees Development Corporation E:454418.321 N:521016.092 Method (Equipment) Ground Level (m): 10.823 Start Date: Machine Excavated (360 Tracked Excavator) 09/04/2020 1 of 3 **SAMPLES & TESTS STRATA** Nater Reduced Depth Depth Legend Description MADE GROUND (Brown clayey sand with many rootlets. Sand is fine to coarse and includes ash). 0.20 J1 (0.50) MADE GROUND (Brown clayey/silty very gravelly sand with medium cobble content. Sand is fine to coarse and includes ash. Gravel is 0.40 B2 10.22 fine to coarse subangular and includes red brick, concrete, ash, clinker and slag. Slag content is 0-25%). (0.70) MADE GROUND (Grey cobbles and boulders. Cobbles are 1.00 B3 subangular and include slag. Boulders are subangular and include slag. Slag is vesicular). 9.32 1.40 FS4 MADE GROUND (Black sandy gravel with fragments of metal. Sand PID <u>×</u> <u>×</u> <u>×</u> 1.40 3.8ppm is fine to coarse. Gravel is fine to coarse subangular and include red (0.50) 1.70 1.80 J5 B6 brick, clinker, ash, concrete and slag. Slag content is 0-25%. Strong 8.82 × hydrocarbon/creosote odour and sheen noted). 2.00 2.00 2.00 PID ES7 2.1ppm Soft to firm brown slightly organic grey mottled black thinly and thickly interbedded SILT and CLAY with occasional sand lenses. Slight hydrocarbon/creosote odour. at c.1.70m BGL ... clay is of high plasticity. Complete at 2.00m BGL.

	PLAN	
	4.00	
	Face A	1
Face D	Orientation 	2.00 —— Face B
	Face C	

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

STABILITY Pit sides stable throughout excavation.

ADDITIONAL INFORMATION			GENERAL REMARK	KS		
Sketch Diagram:	No Sketch Taken					
Photographs:	Yes	See additional sheets.				
All dimensions in metres Scale 1:50 For explanation of abbreviations see		of symbols and see Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4251	

Print Date and Time: 06/11/2020 14:36:07

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP179 South Tees Development Corporation Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 09/04/2020 2 of 3





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



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

Tel: 0191 387 4700 Fax: 0191 387 4710

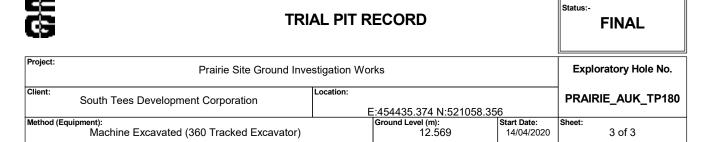
<u>~</u>	Regional Office:	Unit 20 Business Development Ce	entre, Eanam Wharf, Blackburn, BB1 5BL	Tel: 01772 735 300 Fax: 01772 73	5 999
		Т	RIAL PIT RECORD		Status:- FINAL
Project:		Prairie Site Ground I	Investigation Works		Exploratory Hole No.
Client:	South Tees Developme	nt Corporation	Location:	NI-504050 250	PRAIRIE_AUK_TP180

						E:454435	.374 N:521058.35	56		
Method (Equipment): Ma	achine Excavated (3	60 Trad	ked Exc	cavator)		Ground Le	evel (m): 12.569	Start Date: 14/04/2020	Sheet:	1 of 3
SAMPLE	ES & TESTS					'	STRATA	•	•	
Depth T	Гуре Test No Result	Water	Reduced Level	Legend	Depth (Thickness)		[Description		
0.20 0.30	J1 B2 ES3 PID <0.1ppm		12.17		(0.40) 0.40	coarse. Gravand slag. Slavat c.0.40m E	UND (Red brown vel is fine to coars ag content is 0-25 iGL concrete sl at 0.40m BGL - du	e and include %). ab.	es clinke	and is fine to r, ash, concrete
Face D	PLAN 3.00 Face A Orientation 180°		Tace D	1.20	No gro	INDWATER undwater inflow	v observed.			
	Face C]						
A Sketch Diagram:	: No	Sketch T			GENE	RAL REMAR	72			
Photographs:	Yes		See add shee							
	ons in metres e 1:50		For exp abbrev	lanation iations s	of symbo	ols and sheets	Checked by:	Logged D. Portsr	d by: mouth	Contract No. 4251

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









Status:-

♣	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Client:

TRI	FINAL			
Prairie Site Ground Inve	Exploratory Hole No.			
South Tees Development Corporation	PRAIRIE_AUK_TP181			
ipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.158	Start Date: 09/04/2020	Sheet: 1 of 3

							E:454402.534 N:521065.535		
Method (Equipme		Excavated (36	0 Trac	ked Exc	avator)		Ground Level (m): Start Date: 09/04/2020 Sheet: 1 of 3		
SAM	IPLES &	TESTS			STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description		
0.30 0.50 0.60 0.60 1.10 1.80 2.00 2.00 2.50 2.50	J1 B2 ES3 PID B4 J5 HSV B6 ES7 PID	<0.1ppm 93 (42)kPa <0.1ppm		9.36 8.46		(1.00) - (1.00) - (1.00) - (2.70)	to coarse and includes ash). 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%). 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). 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.		
		PLAN 4.00 Face A			<u>.</u>		INDWATER ted strata at 1.70m BGL (slight inflow).		

FLAN
4.00
Face A
Orientation 2200° B 200
Face C

STABILITY Pit sides stable throughout excavation. ADDITIONAL INFORMATION GENERAL REMARKS

Sketch Diagram:	No S	Sketch Taken				
Photographs:	Yes	See additional sheets.				
All dimensions Scale 1:		For explanation of abbreviations se	of symbols and ee Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4251

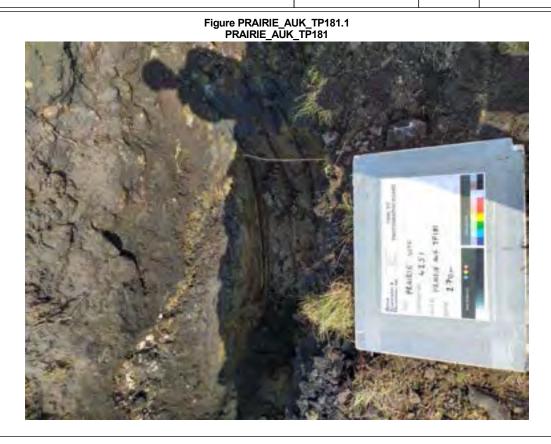
Print Date and Time: 06/11/2020 14:36:28

Project:

Client:

2 of 3

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP181 South Tees Development Corporation Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 09/04/2020





Ğ	TRIAL	TRIAL PIT RECORD						
Proje	ect: Prairie Site Ground Investiga	ation Work	KS		Exploratory Hole No.			
Clier	nt: South Tees Development Corporation		.454402.534 N:521065.53	5	PRAIRIE_AUK_TP181			
Meth	nod (Equipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 10.158	Start Date: 09/04/2020	Sheet: 3 of 3			



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 Tel: 01772 735 300 Fax: 01772 735 999

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Status:-TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP182 South Tees Development Corporation E:454443.617 N:520943.326

B4-41 1 (F 1							1.454445.017 N.5208	943.32		Objects
Method (Equipment): Machine Excavated (360 Tracked Excavator)							Ground Level (m): 11.335		Start Date: 09/04/2020	Sheet: 1 of 3
SAMPLES & TESTS						STRATA				
Depth Typ	e Test Result	Water	Reduced Level	Legend	Depth (Thickness)			D	escription	
			11.24		0.10		DE GROUND (Brown parse and includes a		y sand with r	many rootlets. Sand is fine
0.30 J1 0.60 B2			10.54		(0.70)	cob fine	bles with fragments of to coarse. Gravel is	of wood	d, wood and coarse and	very sandy gravel and rebar (10mm). Sand is includes clinker, ash, coal,
0.90 ES: 0.90 PIE		N	10.24	×	1.10	∖vesi	crete, red brick and s cular grey). DE GROUND (Black			el. Sand is fine to coarse.
1.30 J4 1.50 HS\ 1.60 B5				× × ×	1 1 1 1	Gra clinl	vel is fine to coarse s ker and slag. Slag co	subang ontent i	gular and inc s 25-50%. S	ludes brick, concrete, ash, lag is partially vesicular dour and sheen noted).
2.00 ES				× × × × × × × × × × × × × × × × × × ×	(1.60) 2 1 2 2	with	to firm brown grey to occasional sand lend 1.30m BGL clay is	ises.	-	erbedded SILT and CLAY asticity.
2.50 HS\	r*		8.64	× — ×	2.70		nplete at 2.70m BGL.			
	PLAN 4.00				GROU Saturat		ATER ata at 1.10m BGL (sliç	ght inflo	ow).	
Face A										
Face D	Orientation 270° ■		а С	2.00 —	STABILITY Pit sides stable throughout excavation.					
	Face C									
ADI	DITIONAL INFOR	MATIO	N				REMARKS	S\/ toot:	ina	
Sketch Diagram: No Sketch Taken				(1) iviali	undi l	oo mable/sandy lui Ti	OV ICSII	ırıy.		

ADD	ITIONAL INFORM	MATION	GENERAL REMARI			
Sketch Diagram:	No Sk	ketch Taken	(1) Material too friable	e/sandy for HSV testir	ng.	
Photographs:	Yes	See additional sheets.				
All dimensions	All dimensions in metres For explanation of		of symbols and	Checked by:	Logged by:	Contract No.

4251 Scale 1:50 abbreviations see Key Sheets K.W D. Portsmouth

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP182 South Tees Development Corporation E:454443.617 N:520943.326 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 09/04/2020 2 of 3





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



Location:

ຼ	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation

Method (Equipment):
Machine Excavated (360 Tracked Excavator)

Client:

FINAL Exploratory Hole No. PRAIRIE_AUK_TP183 E:454449.050 N:521042.255 Start Date: 14/04/2020 Ground Level (m): 13.301 Sheet:

Status:-

1 of 3

SAMPLES & TESTS							STRATA		
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description		
0.50	J1 B2			12.30 11.70	Description MADE GROUND (Brown sand with many rootlets. Sand is coarse and includes ash). MADE GROUND (Black brown sandy gravel with high coband fragments of wood. Sand is fine to course. Gravel is fine coarse subangular and includes brick, slag, ash and clinked slag content is 50-75%. Cobbles are angular of slag and rootlets. Sand is coarse subangular and includes brick, slag, ash and clinked slag content is 50-75%. Cobbles are angular of slag and rootlets. Sand is coarse subangular and includes brick, slag, ash and clinked slag content is 50-75%. Cobbles are angular of slag and rootlets. Sand is coarse and includes ash). MADE GROUND (Brown sand with many rootlets. Sand is coarse and includes ash). MADE GROUND (Concrete with 10-20mm rebar. Pit extercontinue excavation).				
Face D #		PLAN 5.00 Face A Orientation 270°		Tace B	1.20	No gro	undwater inflow observed.		

ADD	ITIONAL INFOR	MATION	GENERAL REMARI			
Sketch Diagram:	No :	Sketch Taken	(1) Pit extended east between c.1.60-4.10n		backfilled void bene	ath concrete
Photographs:	Yes	See additional sheets.				
All dimensions i Scale 1:5		For explanation of abbreviations se		Checked by:	Logged by: D. Portsmouth	Contract No. 4251

Face C

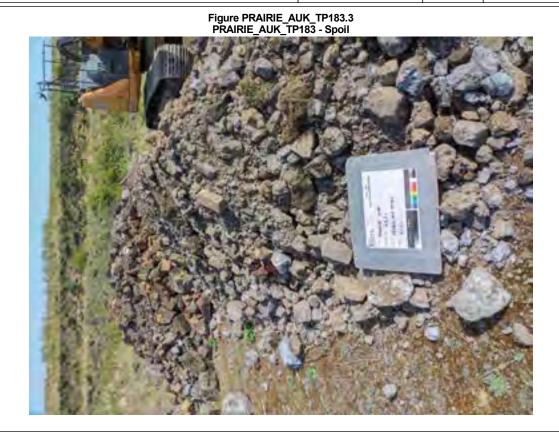
TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP183 South Tees Development Corporation E:454449.050 N:521042.255 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 14/04/2020 Ground Level (m): 13.301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





Status:-

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



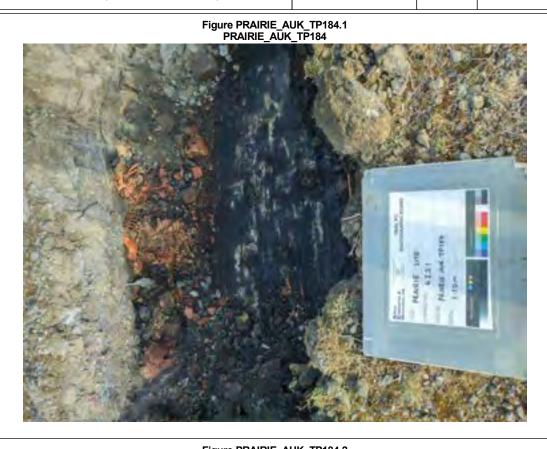
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7

G	TRI	AL PIT R	ECORD		FINAL
Project:	Prairie Site Ground Inve	stigation Wor	rks		Exploratory Hole No.
Client:	South Tees Development Corporation	Location:	::454469.256 N:520988.87	1	PRAIRIE_AUK_TP184
Method (Eq	quipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.090	Start Date: 16/04/2020	Sheet: 1 of 3

SAMPLES & TESTS Depm	ľ	Machine	Excavated (3)	30 Trac	ked Exc	cavator)			13.090	16/04/2020	1 of 3
ADDITIONAL INFORMATION Skotch Diagram: No Skotch Taken Pholographs: Yes See additional short and service services and services	SAMPLES & TESTS					STRATA					
metal and wood. Sand is fine to coarse. Ginker Cardwels fine to coarse subangular and includes ash, clinker and slag. Slag content is bushangular and includes ash, clinker and slag. Slag content is 0-25%. Slag is weekular grey) MADE GROUND (Brown red sandy gravel with high cobble content. Sand is fine to coarse gravel is fine to coarse subangular and michade red and yellow briot. Solobies are angular and includer each gravel is fine to coarse doubte and remove the holes indicate and yellow briot. Beginner notes that when probed includer each gravel is fine to coarse and yellow briot. Solobies are angular and includer each gravel is fine to coarse and yellow briot. Solobies are angular and includer each gravel is fine to coarse and yellow briot. Solobies are angular and includer each gravel is fine to coarse and yellow briot. Solobies are angular and includer each gravel is fine to coarse and yellow briot. Solobies are angular and includer each gravel is fine to coarse do gravel is fine to coarse do gravel is fine to coarse gravel in fine to case gravel is fine to coarse gravel is fine to case gravel is fine to coarse gravel in fine to case gravel is fine to case gravel in fine to case gravel is fine to case gravel in fine to case gravel in fine to case gravel in fine to case	Depth	Type No		Water	Reduced Level	Legend	Depth (Thickness)		De	escription	
ADDITIONAL INFORMATION Sketch Diagram: Photographs: Yes See additional sheets. No groundwater inflow observed. STABILITY Pit sides and base stable throughout excavation. GENERAL REMARKS GENERAL REMARKS All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.	0.30 0.30	ES2 PID	<0.1ppm				(0.70)	metal and w subangular a 0-25%. Slag MADE GRO Sand is fine includes red and yellow b at c.1.10m b erecting poir a void below	ood. Sand is fine to and includes ash, o is vesicular grey) UND (Brown red sa to coarse. Gravel is and yellow brick. Corick). GGL concrete with hts). Engineer notes	o coarse. Gravel is fi linker and slag. Slag andy gravel with hig s fine to coarse sub- cobbles are angular h possible old rawl b s that when probed ximately 4.30m BGL	h cobble content. angular and and include red boolt holes (steel the holes indicate
All dimensions in metres Pace A Orientation 000° Face C STABILITY Pit sides and base stable throughout excavation. STABILITY Pit sides and base stable throughout excavation. GENERAL REMARKS GENERAL REMARKS All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.									v observed.		
ADDITIONAL INFORMATION Sketch Diagram: No Sketch Taken Photographs: Yes See additional sheets. See additional sheets. All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.	•					1					
ADDITIONAL INFORMATION Sketch Diagram: No Sketch Taken Photographs: Yes See additional sheets. All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.	Se D				T ac	- I					
ADDITIONAL INFORMATION Sketch Diagram: No Sketch Taken Photographs: Yes See additional sheets. All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.	Fa				Ö				ble throughout exca	vation.	
Sketch Diagram: No Sketch Taken Photographs: Yes See additional sheets. All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.			-								
Photographs: Yes See additional sheets. All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.	ADDITIONAL INFORMATION			GENE	GENERAL REMARKS						
All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.	Sketch Diagra	am:	No S	Sketch Ta	aken						
All dimensions in metres Scale 1:50 For explanation of symbols and Scale 1:50 Checked by: Logged by: D. Portsmouth 4251	Photograph	s:	Yes								
	All dimensions in metres Scale 1:50 For explanation of sy abbreviations see K				of symbo	ols and heets	Checked by:	Logged by: D. Portsmouth			

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP184 South Tees Development Corporation Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 16/04/2020 2 of 3





TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP184 South Tees Development Corporation Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 16/04/2020 3 of 3



Status:-

FINAL

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 Tel: 01772 735 300 Fax: 0177
	TRIAL PIT RECORD	
	Prairie Site Ground Investigation Works	
	Regional Office:	TRIAL PIT RECORD

Project:	F	Exploratory Hole No.					
Client:	South Tees Development	Corpo		Location:	E:454481.915 N:520916.92	:0	PRAIRIE_AUK_TP185
Method (Equipment): Machine Excavated (360 Tracked Excavator)				Ground Level (m): 12.725	Start Date: 08/04/2020	Sheet: 1 of 3	
	2440150 0 75070				0.70 4.74		

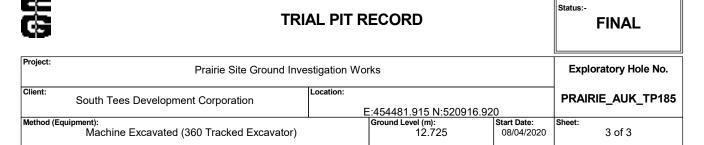
Machine Excavated (360 Tracked Excavator)							12.725	08/04/2020		1 of 3	
SAN	/IPLES &	TESTS						STRATA	•	•	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		D	escription		
				12.53		0.20	to coarse a MADE GRO are angula	OUND (Brown clayend includes ash). OUND (Red and year and include red ard include red and year and year)	llow cobbles	and bould	ders. Cobbles
				10.70		(1.80)					
				10.73		(0.40)	MADE GR	OUND (Concrete fo	undation. En	gineer no	tes slab runs
				10.33		2.40	at c.2.00-2 foundation underlying	adjacent to concre 40m BGL pit exto (5m long). Foundat clay stratum.	ended east to ion broken th	uncover rough to	reveal
3.00	J1					(1.60)	clay with lo coarse sub	OUND (Soft to firm w cobble content. Sangular and included include red brick).	sand is fine to es red brick a	coarse.	Gravel is fine to
3.50	B2										
4.10	J3			8.73	×—×	4.00	Friable inte	rbedded brown SIL	T and lamina	ited CLA	Υ.
1.20 1.30	B4 ES5 PID	<0.1ppm		8.23	× ;	(0.50) - 4.50					
						- - - - -					
		PLAN				GROU	NDWATER				
-		5.00 Face A			1	No grou	undwater inflo	w observed.			
Q @		Orientation		race	 ω						
Face D		270°		о В	3.50	STABI Pit side		tween 0.00-2.00m B	GL. Stable bet	tween 2.0	0-4.50m BGL.
		Face C]						
ADDITIONAL INFORMATION				GENE	RAL REMAF	:KS					
Sketch Diagram: No Sketch Taken											
Photograp	bhs:	Yes		See add shee							
All dimensions in metres For explanation Scale 1:50 abbreviations				anation	of symbo	ls and	Checked by:	Logged D. Portsr		Contract No.	

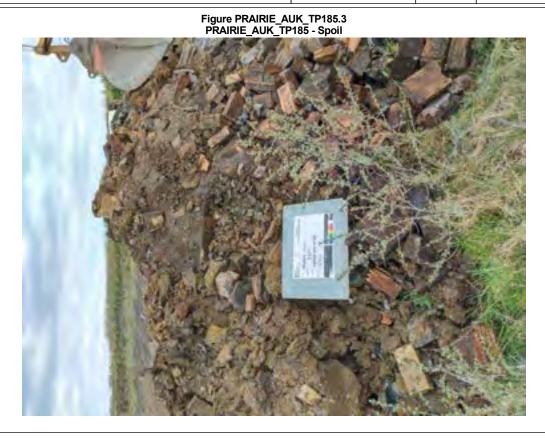
ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Re

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









Location:

Ground Level (m): 12.310

♠	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation

Method (Equipment):

Machine Excavated (360 Tracked Excavator)

FINAL Exploratory Hole No. PRAIRIE_AUK_TP186 E:454477.645 N:520853.859 Start Date: 07/04/2020

1 of 3

Status:-

SAMPLES & TESTS Depth Type No Test Result Depth Type No Test Result Depth No Test Result Depth Thickness) 11										
0.35 J1 B2 D.50 ES3 PID S.1ppm 5.1ppm 5.1ppm 1.00 EW4 MADE GROUND (Brown slightly clayey sand with many rootlets. Sand is predominantly ash). 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). 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).	SAMPLE	ES & 7	TESTS				i	STRATA		
12.01 0.30 Sand is predominantly ash). 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). EW4 1.00 EW4 1.00 1.00 Sand is predominantly ash). 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). 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).	Depth T	Type No		Water		Legend		D	Description	
	0.40 0.50 0.50 E	B2 ES3 PID	5.1ppm		11.71		(1.20)	Sand is predominantly ash). MADE GROUND (Red brown wood and rebar (30mm). Sand coarse and includes clinker, or content is 0-25%. Slag is vesion MADE GROUND (Grey cobble and includes red brick and cor include concrete with 10-20mm at c.1.80m BGL concrete ba	black sandy of the same same same same same same same sam	gravel with fragments of arse. Gravel is fine to orick and slag. Slag d green). ers. Cobbles are angular ers are angular and

	PLAN	
	2.50	
	Face A	- 1
Face D	Orientation 270° ∎	1.30 — Face B
	Face C	

Client:

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.

ĺ	ADD	ITIONAL INFORMA	GENERAL REMARI	KS			
	Sketch Diagram:	No Sket	tch Taken				
	Photographs:	Yes See additional sheets.					
- 1							

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

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





G	TRI	Status:- FINAL			
Project:	Prairie Site Ground Inve	Exploratory Hole No.			
Client:	South Tees Development Corporation	Location:	E:454477.645 N:520853.85	9	PRAIRIE_AUK_TP186
Method (Eq	quipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.310	Start Date: 07/04/2020	Sheet: 3 of 3



Status:-

♠	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation

FINAL Exploratory Hole No. Location: PRAIRIE_AUK_TP187 E:454559.634 N:520971.721 Start Date: 20/04/2020 Ground Level (m): 11.120

SAMPLES & TESTS Depth Type Test Result			Depth (Thickness)	Ground Level (m): Start Date: 20/04/2020 Sheet: 1 of 3 STRATA STRATA
		Legend		
Depth Type Test 한 Result 중		Legend		
	10.77			Description
1.50 J1 1.3ppm 1.3ppm 1.50 PID 1.3ppm 1.3ppm 1.50 PID 1.3ppm 1.3ppm 1.5ppm 1.3ppm 1.5ppm 1.5p	9.92	xxxx	(0.45) - 0.80 - (0.40) - 1.20 - (0.60) - 1.80 	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). 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). MADE GROUND (Soft to firm grey mottled black silty clay). Firm laminated brown CLAY with yellow brown fine to coarse sand lenses. Complete at 1.80m BGL.
PLAN				NDWATER undwater inflow observed.

	PLAN	
•——	3.50	
	Face A	- 1
Face D	Orientation 	Face B
	Face C	

Client:

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

STABILITY
Pit sides and base stable throughout excavation.

4	GENERAL REMARKS
1	

Checked by: Logged by: D. Portsmouth For explanation of symbols and abbreviations see Key Sheets Contract No. All dimensions in metres 4251 Scale 1:50

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





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



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

A	
_	

Status:-**FINAL**

TRIAL PIT RECORD Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP188 South Tees Development Corporation E:454468.960 N:520911.169 Method (Equipment): Ground Level (m): 12 622 Start Date: Machine Excavated (360 Tracked Excavator) 08/04/2020 1 of 3 **SAMPLES & TESTS STRATA** Water Reduced Depth Depth Legend Description 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 0.40 J1 thickness of wall due to instability of pit edges. 0.60 B2 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 (2.00) 1.00 FS3 PID 1.2ppm 1.00 grey). 1.40 .14 **N** 1.60 B5 10.52 2.10 at c.2.10m BGL .. concrete obstruction (possible basement). Terminated at 2.10m BGL - due to concrete obstruction. **PLAN GROUNDWATER** Saturated strata at 1.70m BGL (heavy inflow) - engineer notes water in pit possibly 2.50 due to groundwater filling up basement/cellar over time. Face A Face D Face Orientation 180° .20 **STABILITY** Pit sides unstable throughout excavation. Face C ADDITIONAL INFORMATION **GENERAL REMARKS** (1) Engineer notes possible backfilled basement. Water in pit exists possibly due to ground water filling up basement/cellar over time. Sketch Diagram: No Sketch Taken See additional Photographs: Yes sheets.

For explanation of symbols and abbreviations see Key Sheets

Checked by:

K.W

Logged by:

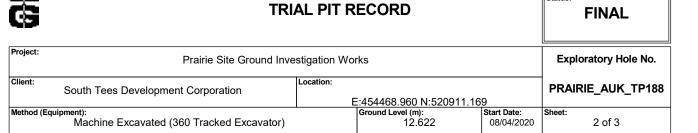
D. Portsmouth

Contract No.

4251

All dimensions in metres

Scale 1:50









Status:-**FINAL**

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

Figure PRAIRIE_AUK_TP188.3 PRAIRIE_AUK_TP188 - Spoil

Location:

E:454508.538 N:520739.484

Status:-

FINAL

Exploratory Hole No.

PRAIRIE_AUK_TP189

A	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 7 Tel: 01772 735 300 Fax: 01772
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation

Client:

Method (Equipm						round Level (m):	20133.40	Start Date:	Sheet:				
		e Excavated (36	0 Trac	ked Exc	cavator)			12.680)	07/04/2020	1 of 2		
SAN	/IPLES &	TESTS				STRATA							
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			D	escription			
0.30 0.50 1.40 1.50 1.50 1.60	J1 B2 J3 HSV B4 ES4A PID	83 (42)kPa <0.1ppm	*	11.38	X X X X X X X X X X X X X X X X X X X	0.10 (1.20) 1.30	to coa MADI with f media Slag Soft t organ at c.1	arse and include E GROUND (Re ragments of wo um and include content is 0-25°	es ash). ed brown od. Sand s clinker, a %. Slag is vn mottled	black clayey/ is fine to coa ash, coal, coi vesicular gre I silty CLAY/c	clayey SILT with traces of		
2.50 2.70 2.90 3.00 3.00	HSV J5 B6 PID ES7	103 (46)kPa		9.98	× × × × × × × × × × × × × × × × × × ×	3.00	Firm fine to sands	medium. Grav	el is fine to stone. Eng ay is of int	to coarse sub jineer notes i	r gravelly CLAY. Sand is pangular and includes rare laminae observed). asticity.		
PLAN 2.50 Face A Orientation 180° Face C							LITY	TER at 1.30m BGL (:		v).			
	ADDIT	TONAL INFORM	1ATIO	N		GENE	RAL RI	EMARKS					
Sketch Diagram: No Sketch Taken													
Photograp	ohs:	Yes		See add shee									

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. **4251**

All dimensions in metres Scale 1:50

TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP189 South Tees Development Corporation Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 07/04/2020 2 of 2





◮	Head Office: Regional Office:	Unit 25 Stella Gill Industrial Estate, Pelto Unit 20 Business Development Centre, E	n Fell, Chester-le-Street, Co. Durham, DH2 2RG Eanam Wharf, Blackburn, BB1 5BL	Tel: 0191 387 4700 Fax: 0191 387 Tel: 01772 735 300 Fax: 01772 738	
EE G		TRIA	AL PIT RECORD		Status:- FINAL
Project:		Prairie Site Ground Inve	stigation Works		Exploratory Hole No.
Client:			Location:		DDAIDIE ALIK TD40

South Tees Development Corporation							E-4543	78.486 N:521222.80	16	PRAII	RIE_AUK_TP190		
Method (Equipme		e Excavated (36	60 Tracl	ked Exc	avator)	1		0.400 N.321222.00 Level (m): 7.754	Start Date: 16/04/2020	Sheet:	1 of 3		
SAM	PLES &	TESTS					STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness) Description							
			<u>‡</u>	6.95		(0.80) - - - - - - - 0.80	vesicular grey green white).						
			*	6.75		1.00	MADE GR	OUND (Yellow sand notes possible pipe	l. Sand is fine	e to coar	rse).		
						- - -		l at 1.00m BGL - due		service.			
		PLAN					NDWATER strike at 0.80	n BGL.					
# O	<u> </u>	3.00 Face A Orientation			1								
Face D		316°		race B	3.00	STABI Pit side		table throughout exca	avation.				
Face C							Pit sides and base stable throughout excavation.						
ADDITIONAL INFORMATION							RAL REMAF						
Sketch Diagram: No Sketch Taken							ocated to PR	ni Airie_auk_tp190a					
Photograph	is:	Yes		See add shee									
All dimen	sions in ale 1:50			or expl	anation iations s	of symbo	ols and heets	Checked by:	Logged K. Russell	l by: -Clamp	Contract No. 4251		

Project:

Client:

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 735 909

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP190 South Tees Development Corporation E:454378.486 N:521222.806 Start Date: 16/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Sheet: 2 of 3





Figure PRAIRIE_AUK_TP190.2 PRAIRIE_AUK_TP190



TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP190 South Tees Development Corporation E:454378.486 N:521222.806 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 16/04/2020 3 of 3





Method (Equipment):
Machine Excavated (360 Tracked Excavator)

Start Date: 16/04/2020

Status:-

1 of 3

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TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP190A South Tees Development Corporation E:454379.638 N:521216.552

Ground Level (m): 7.939

SAN	/IPLES &	TESTS					STRATA
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description
0.50 1.00 1.10 1.10 1.50 1.50 2.00 2.50 2.50	J1 B2 ES3 PID J4 HSV B5	<0.1ppm 51 (20)kPa 53 (18)kPa	1	4.94		(1.20)	MADE GROUND (Black clayey sand and gravel with low cobble content and fragments of metal and pipe. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded and includes red brick, concrete, ash and slag. Cobbles are subangular and include red brick and concrete. Slag content is 0-25%. Slag is vesicular grey green white). between c.0.70-1.20m BGL brick structure in Face C and D housing cables. Firm thinly laminated grey brown slightly sandy CLAY with fine yellow brown sand on the laminae.
		9LAN 3.00 Face A			1		INDWATER at 1.20m BGL (engineer notes running out of cable duct)
Face D		Orientation 316°		T ace	1.60	STABI Pit side	LITY se and base stable throughout excavation.
		Face C].		

ADD	ITIONAL INFOR	MATION	GENERAL REMARI			
Sketch Diagram:	Sk	ketch Taken	(1) Relocated from Pf	RAIRIE_AUK_TP190.		
Photographs:	Yes	See additional sheets.				
All dimensions i Scale 1:5		For explanation of abbreviations se		Checked by:	Logged by: K. Russell-Clamp	Contract No. 4251

Print Date and Time: 06/11/2020 14:37:27

K. Russell-Clamp

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP190A South Tees Development Corporation E:454379.638 N:521216.552 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 16/04/2020 2 of 3





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: 01972 735 390 Fax: 01772 735 399

3 of 3

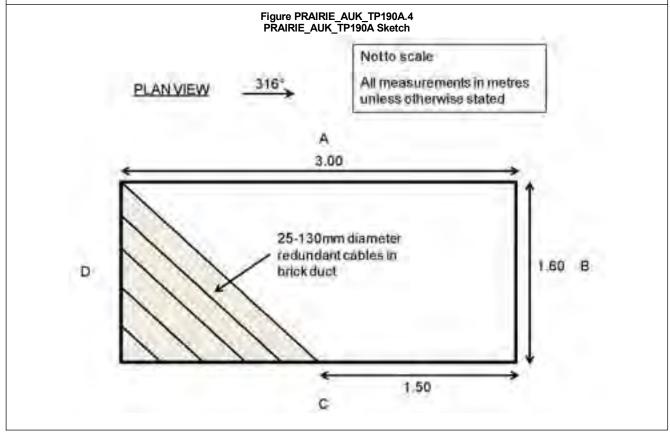


Project:

Client:

TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Location: PRAIRIE_AUK_TP190A South Tees Development Corporation E:454379.638 N:521216.552 Start Date: 16/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator)





Status:-

FINAL

Exploratory Hole No.

A	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

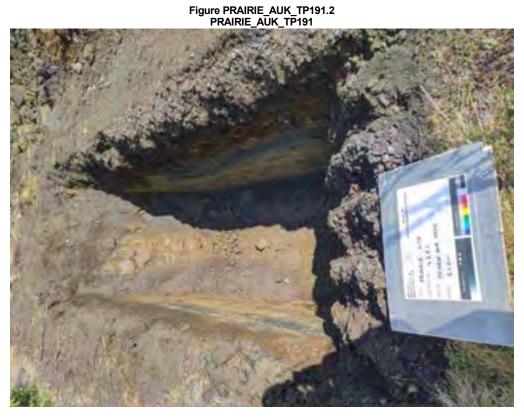
Client:	outh Tee	s Development	t Corpo	ration		Location				PRAII	RIE_AUK_TP191		
Method (Equipme	nt):						E:454367 Ground Le	.523 N:521122.4 evel (m):	14 Start Date:	Sheet:			
	Machine	e Excavated (36	30 Trac	ked Exc	avator)			8.876	28/04/2020		1 of 3		
SAMI	PLES &	TESTS					STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)							
				7.98 7.68		MADE GROUND (Brown black sand with many rootlets. to coarse and is predominantly ash). MADE GROUND (Red brown black sandy gravel with low content. Sand is fine to coarse. Gravel is fine to coarse a clinker, ash, coke, concrete, wood, red brick and slag. Grootnent is 0-25%. Cobbles are subangular and includes is slag. Cobble slag content is 50-75%. Slag is vesicular ground in the subangular in the slag content is 50-75%. Slag is vesicular ground in the subangular in the suban							
Д 6		PLAN 3.20 Face A Orientation		T ac ce	1		INDWATER undwater inflow	observed.					
Face		Face C		Ce D	20	STABI Pit side		ble throughout exc	avation.				
	ADDIT	IONAL INFORI	MATIO	N			RAL REMARK						
Sketch Diagram: Sketch Taken							samples taken.						
Photograph	is:	Yes		See add shee									
All dimensions in metres For explanation of Scale 1:50 abbreviations se					of symbo	ols and heets	Checked by:	Logged D. Portsr	l by: nouth	Contract No. 4251			

Project:

Client:

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





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



A	A	Head Office:	Jnit 25 Ste	PLORATION & GEOTECHNICS LIMITED 5 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999										
					TR	IAL PI	TR	RECORD		Status:- FINAL				
Project:		ı	Prairie	Site Gr	ound Inv	estigation/	n Wo	orks		Exploratory Hole No.				
Client:	South Tee	es Development	Corpo	oration		Location	-	E:454373.500 N:521098.32	2	PRAIRIE_AUK_TP19				
Method (Equipr		e Excavated (36	0 Trac	ked Exc	cavator)	'		Ground Level (m): 9.246	Start Date: 01/05/2020	Sheet: 1 of 3				
SAI	MPLES &	TESTS						STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		D	escription					
				9.15		0.10	١ ١	DE GROUND (Brown black coarse and predominantly a		any rootlets. Sand is fine				
						(1.00)	cor clin cor	DE GROUND (Red brown latent. Sand is fine to coarse ker, ash, coke, concrete, when is 0-25%. Cobbles are	. Gravel is fir ood, red bricl subangular a	ie to coarse and includes				

Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Des	scription	
				9.15 8.15 7.95		(1.00) - 1.10 - 1.30 - (0.80) - 2.10	to coarse an MADE GRO content. Sar clinker, ash, content is 0- slag. Cobble Slight hydro	grey CLAY.	n). ack sandy gravel w Gravel is fine to coa od, red brick and sla ubangular and inclu 75%. Slag is vesicu	ith low cobble arse and includes ag. Gravel slag udes red brick and llar grey green.
PLAN 3.00 Face A Orientation 000° BB Face C ADDITIONAL INFORMATION Sketch Diagram: Sketch Taken See additional						STABI Pit side	LITY	Om BGL (slight inflow		
Photographs: Yes See additional sheets. All dimensions in metres Scale 1:50 For explanation abbreviations see					of symbo	ols and sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4251	

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







Figure PRAIRIE_AUK_TP192.2 PRAIRIE_AUK_TP192

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



Status:-

FINAL

Exploratory Hole No.

◮	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

ient: South Tees Developm	ent Corpo	oration		Location:				PRAIF	RIE_AUK_TP193	
ethod (Equipment): Machine Excavated	(360 Trac	ked Exc	avator)		E:454417.220 N:521030.278 Ground Level (m): Start Date: 30/04/2020				1 of 3	
SAMPLES & TESTS					STRATA					
Depth Type Test No Result	Water	Reduced Level								
80 ES1		10.52 10.07 9.77 9.67		(0.45) - 0.60 - 0.90 - 1.00 	Sand is fine includes slat is vesicular MADE GRC and include slag, concretely. at c.0.15m I at c.0.40m I eastern edg MADE GRC coarse and subangular are angular vesicular grodour noted. Firm grey grodour noted is a subangular are angular vesicular grodour noted.	DUND (Black browns ash. Gravel is fine ste and clinker. Slages BGL railway lines BGL 10mm grey te of pit. DUND (Black sandy includes ash. Gravand includes clinke and includes Slages and green. Stror	is fine to coal concrete. Slap a sandy grave e to coarse s g content is 2 s 1.50m apar cable running gravel and cel is fine to coar, ash concrets lag contenting creosote/h	rse suba g conten el. Sand i ubangula 25-50%. t - extenc g 000 de cobbles. oarse an ete and v	ngular and t is 25-50%. Slag is fine to coarse ar and includes Slag is vesicular ded pit west. grees along side Sand is fine to igular to wood. Cobbles 10%. Slag is	
Face A			1		NDWATER ed strata at 0.	80m BGL (slight inflo	ow).			
O Orientation B N. 50 000° 8 B Face C				STABIL Pit sides		ghtly unstable throug	ghout excavati	ion.		
ADDITIONAL INFO	ORMATIO	N		GENER	RAL REMAR	KS				
Sketch Diagram: Sketch Taken										
Photographs: Yes		See add shee		al						
All dimensions in metres For explanation of abbreviations see						Checked by:	Logged D. Portsr	l by: nouth	Contract No. 4251	

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

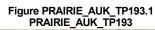
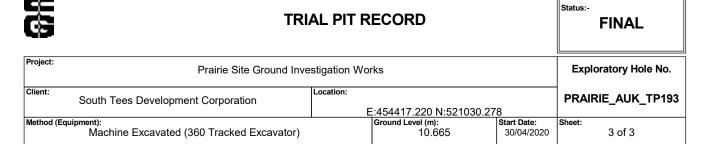




Figure PRAIRIE_AUK_TP193.2 PRAIRIE_AUK_TP193







Status:-

FINAL

ຼ	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Project:		Pr	airie Site Gr	ound Inv	estigatio	n Works		Exploratory Hole No.
Client:	South Te	es Development C	orporation		Location	:		PRAIRIE_AUK_TP193A
Method (Equipm			or porduori			E:454417.220 N:521030.27	78 Start Date:	Sheet:
Metriou (Equipin	Machir	ne Excavated (360	Tracked Exc	cavator)		10.665	30/04/2020	1 of 5
SAM	/IPLES &	& TESTS				STRATA	,	•
Depth	Type No	Test Result	Reduced Level	Legend	Depth (Thickness)	С	Description	
			6.07		(4.40)	MADE GROUND (Brown grey is fine to coarse. Gravel is fine slag, sandstone and concrete. vesicular grey). MADE GROUND (Brown blace medium boulder content, stee railway line, and fragments of coarse and includes ash. Gravincludes red brick, ash, clinker 25-50%. Slag is vesicular grey red brick and concrete with 10 and include concrete).	to coarse su Slag content k sandy grave I girders, meta metal, wood c vel is fine to c v, concrete an c. Cobbles are	bangular and includes is 25-50%. Slag is el and cobbles with al sheets, sections of and plastic. Sand is fine to oarse subangular and d slag. Slag content is a angular and include of
<u> </u>		PLAN 23.00 Face A		1	GROL No gro	INDWATER undwater inflow observed.		
Face D		Orientation 090° Face C	a de	3.50	STAB Pit side	LITY es and base unstable throughout e	xcavation.	
Sketch Diag		TIONAL INFORMA	TION h Taken		(1) Tria	RAL REMARKS al pit excavated across slope expo- following PRAIRIE_AUK_TP194E samples taken.	sing various su	ıbsurface structures - refer to
Photograp	ohs:	Yes	See add		-			

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. 4251

All dimensions in metres Scale 1:50

Project:

Client:

2 of 5

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





TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP193A South Tees Development Corporation E:454417.220 N:521030.278
| Ground Level (m): | S | 10.665 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 30/04/2020 3 of 5





TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP193A South Tees Development Corporation E:454417.220 N:521030.278 | Ground Level (m): | S | 10.665 Start Date: 30/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) 4 of 5



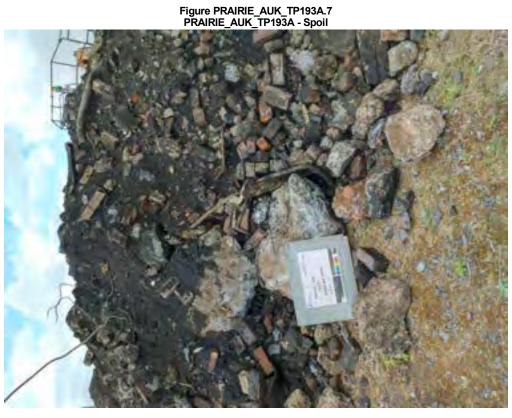


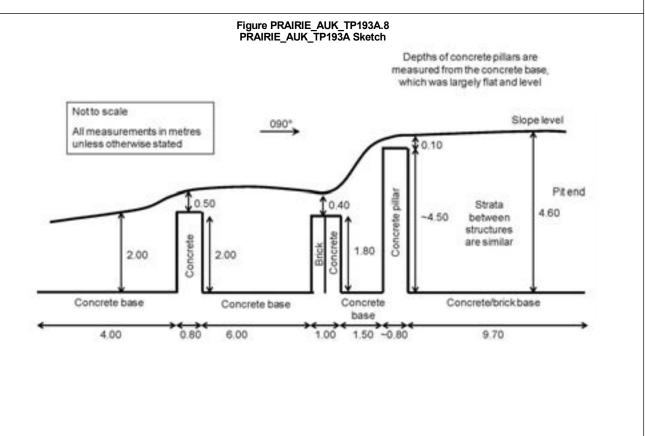
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 390 Fax: 01772 735 399

Status:-

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

TRIAL PIT RECORD





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

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP194A South Tees Development Corporation E:454444.765 N:520997.809 Ground Level (m): 13.208 Method (Equipment): Start Date: Machine Excavated (360 Tracked Excavator) 29/04/2020 1 of 4 **SAMPLES & TESTS STRATA** Nater Reduced Depth Depth Legend Description 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 . (1.40) 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. \mathbb{A} FS1 MADE GROUND (Brown black sandy gravel with low cobble content. 1.40 11.61 1.60 Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag. Cobbles are angular and include slag. Slag content is (0.60) 75-100%. Slag is vesicular grey. Strong hydrocarbon/creosote odour). 11.01 at c.1.50m BGL ... broken 150mm diameter clay pipe running 000 degrees. Firm brown grey mottled black CLAY. Hydrocarbon odour noted. (Engineer notes contamination from strata above). Complete at 2.20m BGL. **PLAN GROUNDWATER** Saturated strata at 1.50m BGL (moderate inflow) - caused by broken pipe running 3.80 Face A Face D Face Orientation 3.00 090° **STABILITY** σ Pit sides and base moderately stable throughout excavation. Face C

ADD	ITIONAL INFOR	MATION	GENERAL REMARKS				
Sketch Diagram:	Sk	etch Taken	(1) Trial pit excavated sketch following PRA		g various subsurfac	e structures - refer to	
Photographs:	Yes	See additional sheets.					
All dimensions in metres For explanation of abbreviations seems.			Checked by: <i>K,W</i>	Logged by: D. Portsmouth	Contract No. 4251		

Client:

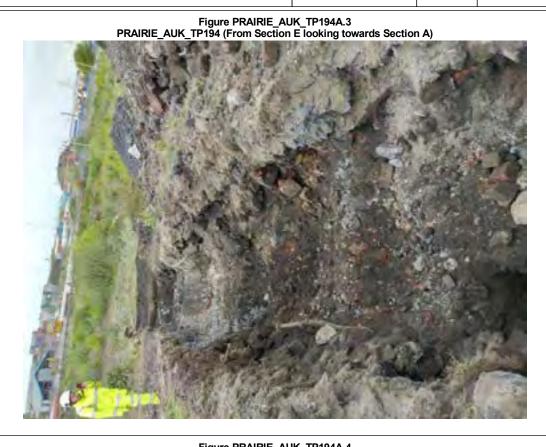
TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP194A South Tees Development Corporation E:454444.765 N:520997.809 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 29/04/2020 2 of 4







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





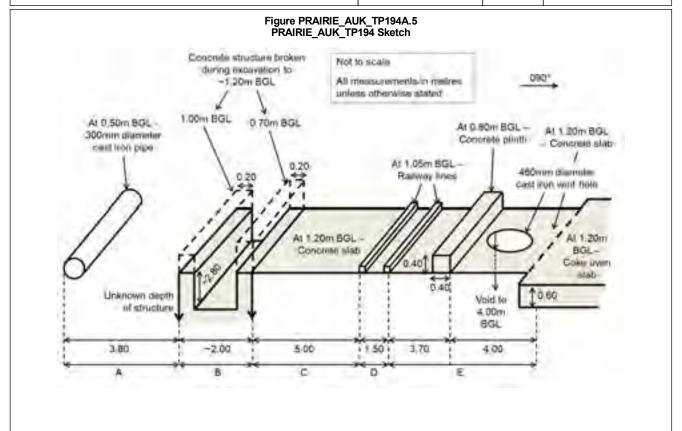
Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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

Status:-



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



Status:-

FINAL

<u> </u>	Head Office: Regional Office:							
6		TRIAL PIT RECORD						
Project:		Prairie Site Ground Investigation Works						

		F	Prairie	Site Gr	ound Inv	estigatio	n Wo	rks		Explor	atory Hole No.
Client:	South T	ees Development	Corna	ration		Location	1:			PRAIRIE	_AUK_TP194B
		ees Development	Согрс	лацоп			E	E:454444.765 N:520997			=_AON_11 104B
Method (Equipr		ne Excavated (360) Trac	ked Exc	cavator)			Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet:	1 of 4
SAI	MPLES	& TESTS						STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description		
				10.41		2.80	at c	DE GROUND (Grey sar arse. Gravel is fine to coa g content is 50-75%. Co obles slag content is 75- s.2.80m BGL concrete iminated at 2.80m BGL -	arse subangular bbles are angula 100%. Slag is v	and includer and includer grand includer grand g	des slag. Gravel ude slag. ey and green).
		PLAN 2.00			_	GROL Satura	JNDW ted st	VATER rata at 1.80m BGL (heavy	inflow).		
<u> </u>		Face A			1						
				_							
Face D		Orientation 090° _		מכ	3.00	CTAR	II ITV				
				C	,	STAB Pit side		d base moderately stable t	hroughout excav	ation.	
		Face C									
	ADD	ITIONAL INFORM	1ATIO	N				REMARKS			
Sketch Diagram: Sketch Taken					(1) Tria	al pit e follow	excavated across slope ex ving PRAIRIE_AUK_TP19	posing various si 14E.	ubsurface s	structures - refer to	
Photogra	phs:	Yes		See add							

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. 4251

All dimensions in metres Scale 1:50

Client:

2 of 4

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP194B South Tees Development Corporation E:454444.765 N:520997.809 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 29/04/2020



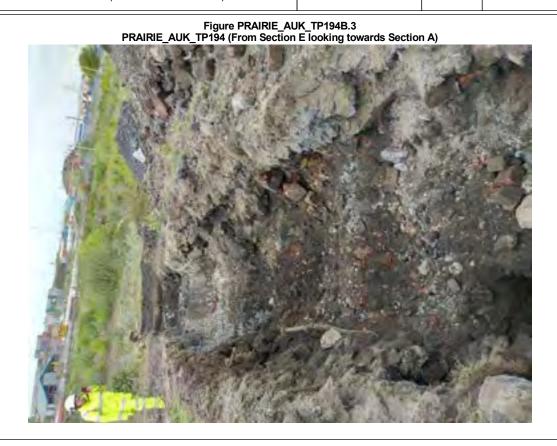


Figure PRAIRIE_AUK_TP194B.2
PRAIRIE_AUK_TP194B (ILooking towards Section C)



TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP194B South Tees Development Corporation E:454444.765 N:520997.809 Start Date: 29/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 13.208 3 of 4





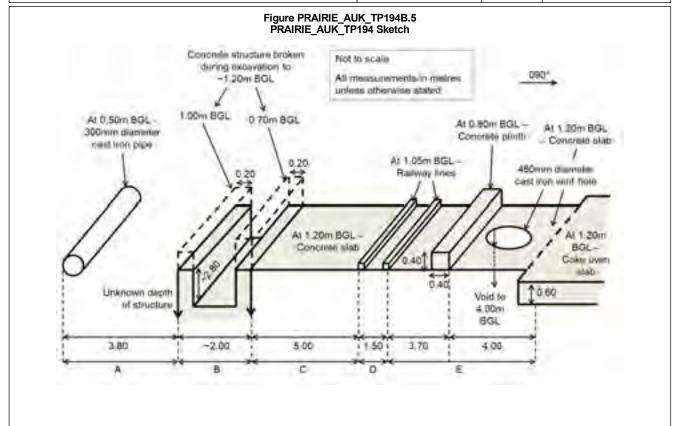
Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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

Status:-



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



Status:-

FINAL

◮	Head Office: Regional Office:							
		TRIAL PIT RECORD						
Project:		Prairie Site Ground Investigation Works						

Project:	Prairie Site Ground Investigation Works									Explo	oratory Hole No.	
Client:	South Tees Development Corporation Location: E:454444.765 N:520997.809									PRAIR	IE_AUK_TP194C	
Method (Equipme		e Excavated (360) Track	ked Exc	avator)		Ground Le	ovel (m): 13.208	Start Date: 29/04/2020	Sheet:	1 of 4	
SAMI	PLES &	TESTS					· · · · · · · · · · · · · · · · · · ·	STRATA				
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth Thickness)		De	escription			
				12.01		(1.20)	subangular a Cobbles are red and yello at c.1.20m E	UND (Grey gravel and includes slag a subangular and includes slag a subangular and includes slag contents of the subangular and includes slag contents slag at 1.20m BGL - due	and red brick. clude slag, c ent is 50-75%	Slag co oncrete, Slag is	ontent is 25-50%. metal, wood and s vesicular grey). on) - pit extended.	
		PLAN				GROU No grou	NDWATER undwater inflow	, observed				
•		5.00 Face A			11	10 9101	andvator IIIIOV	. obodivou.				
Face D		Orientation		race B	3.00							
Fac				σ	ا ا	STABI Pit side		oderately stable throu	ughout excava	ation.		
								,	J == =======	***		
		Face C]1							
	ADDIT	TIONAL INFORM	ATION	١		(1) Tria	RAL REMARH Il pit excavated	across slope exposi	ing various su	bsurface	structures - refer to	
Sketch Diagram: Sketch Taken					(1) Trial pit excavated across slope exposing various subsurface structures - refer to sketch following PRAIRIE_AUK_TP194E.							
Photograph	ns:	Yes		See add shee		al						
All dimensions in metres Scale 1:50 For explanation of abbreviations se					of symbo	ls and heets	Checked by:	Logged D. Portsn	by: nouth	Contract No. 4251		

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP194C South Tees Development Corporation E:454444.765 N:520997.809 Start Date: 29/04/2020





Contract No.: 4251

Start Date: 29/04/2020

3 of 4



Client:

TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Location: PRAIRIE_AUK_TP194C South Tees Development Corporation E:454444.765 N:520997.809

Ground Level (m): 13.208





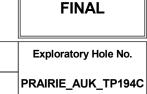
South Tees Development Corporation

Client:

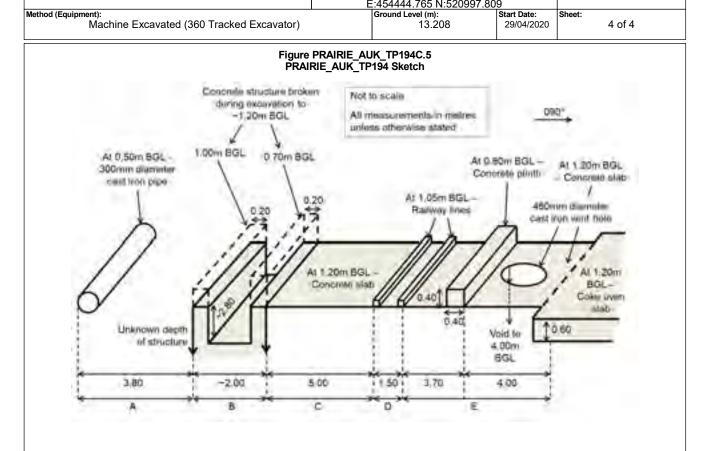
Location:

E:454444.765 N:520997.809





Status:-

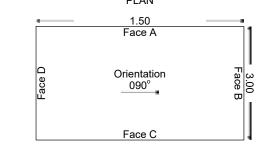


Status:-

♣	Head Office: Regional Office:						
		TRIAL PIT RECORD					
Project:		Prairie Site Ground Investigation Works					

FINAL Exploratory Hole No. Location: PRAIRIE_AUK_TP194D South Tees Development Corporation E:454444.765 N:520997.809 Start Date: 29/04/2020 Ground Level (m): 13.208 Machine Excavated (360 Tracked Excavator) 1 of 4

	Machine Excavated (300 Tracked Excavator)								13.200	-	3/04/2020	1 01 4
SAMPLES & TESTS					STRATA							
Depth	Depth Type Test No Result		Water	Reduced Level	Legend	Depth (Thickness)				Desc	cription	
						(1.70)	and red t and cont	wood. Gra orick. Grav include sla	avel is fine t rel slag con	to coarse ntent is 2 te and re	e subangu 5-50%. Co d and yello	with fragments of metal lar and includes slag and obbles are subangular ow brick. Cobble slag
				11.51		1.70		1.70m BG	L concre 1.70m BGL	ete slab (L - due to	possible fo concrete	oundation) - pit extended. /obstruction.
						-						
						-						
						-						
		PLAN				GROU	INDW.	ATER				
-	* 1.50 Face A			No gro	undwa	ter inflow o	bserved.					
	race A											



Client:

Method (Equipment):

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.

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

Project:

Client:

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





TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP194D South Tees Development Corporation E:454444.765 N:520997.809 Start Date: 29/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 13.208 3 of 4





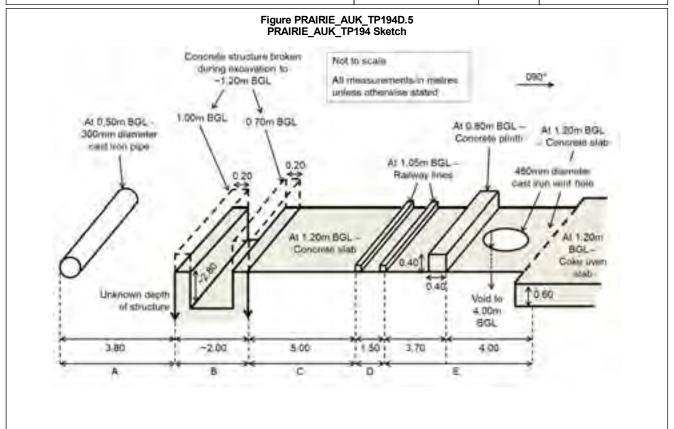
Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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

Status:-



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



♣	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: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Ġ	TRIAL PIT RECORD									
Project:		Exploratory Hole No.								
Client:	South Tees Development Corporation Location: E:454444.765 N:520997.809									
Method (Equipm		e Excavated (36	0 Trac	ked Exc	cavator)			Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 1 of 4
SAM	IPLES &	TESTS						STRATA		
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description	
				12.01		(1.20)	sub Cob red at c	angular and includes sla obles are subangular and and yellow brick. Slag c	ag and red brick d include slag, o ontent is 50-75 ^o slab. Engineer	a. Gravel is fine to coarse a Slag content is 25-50%. concrete, metal, wood and %. Slag is vesicular grey). notes voided beneath to obstruction.

	PLAN	
	7.70	-
	Face A	1
Face D	Orientation 	Face B
	Face C	
	Face C	

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.

Checked by: Logged by: D. Portsmouth Contract No. For explanation of symbols and abbreviations see Key Sheets All dimensions in metres 4251 Scale 1:50

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





TRIAL PIT RECORD

FINAL

Project:	Prairie Site Ground Inve	Exploratory Hole No).			
Client:	South Tees Development Corporation	Location:	::454444.765 N:520997.80		PRAIRIE_AUK_TP19	4E
Method (Ed	quipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet: 3 of 4	





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



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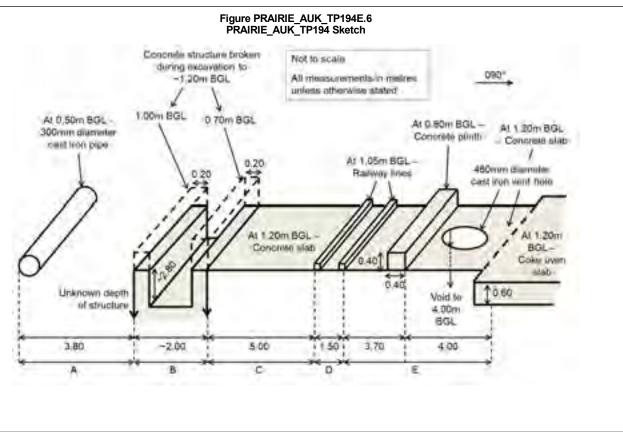


TRIAL PIT RECORD

Status:-**FINAL**

Project:	Prairie Site Ground Inve	Explora	tory Hole No.		
Client:	South Tees Development Corporation	PRAIRIE_	AUK_TP194E		
Method (Eq	uipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m): 13.208	Start Date: 29/04/2020	Sheet:	4 of 4





A		Head Office: Uni	t 25 Stella Gill I t 20 Business D	ndustrial Estate, P evelopment Centr	elton Fell, Ches re, Eanam Wha	ter-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 F, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999				
				TR	RIAL P	T RECORD FINAL				
Project:	Project: Prairie Site Ground Investigation Works									
Client:	South To	es Development C	`ornoratio	n	Location	PRAIRIE_AUK_TP195				
Method (Equipm		es Development C	orporatio			E:454479.190 N:520939.302 Ground Level (m): Start Date: Sheet:				
		e Excavated (360	Tracked	Excavator)		12.556 28/04/2020 1 of 4				
SAN	MPLES 8	TESTS			ı	STRATA				
Depth	Type No	Test Result	Water Lev		Depth (Thickness)	Description				
			1	1.86 1.46	(0.60) (0.40) (1.00) (1.00) (1.00) (1.00)	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). 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. 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. 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. Terminated at 2.10m BGL - due to concrete obstruction.				
Face D	_	PLAN 10.00 Face A Orientation 090° Face C	_	3.00 Face B	No gro	UNDWATER undwater inflow observed. LITY es and base stable throughout excavation.				
	ADDI	TIONAL INFORMA	ATION		11 -	RAL REMARKS				
Sketch Dia	gram:	Sketo	ch Taken			· · · · · · · · · · · · · · · · · · ·				
Photograp	phs:	Yes		additional heets.						

Checked by:

Logged by: D. Portsmouth

Contract No. 4251

For explanation of symbols and abbreviations see Key Sheets

All dimensions in metres Scale 1:50

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP195 South Tees Development Corporation E:454479.190 N:520939.302 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 28/04/2020 2 of 4





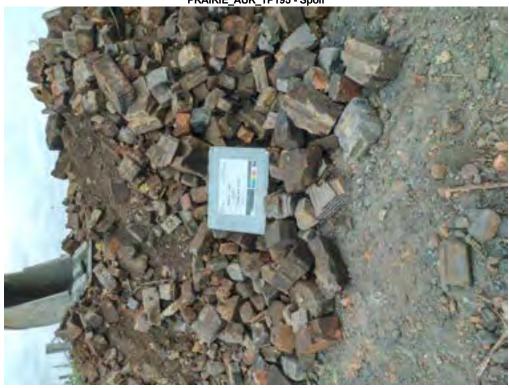
ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999

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





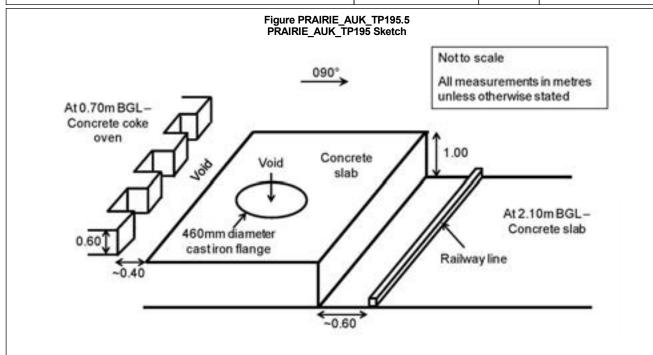
Figure PRAIRIE_AUK_TP195.4 PRAIRIE_AUK_TP195 - Spoil



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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP195 South Tees Development Corporation E:454479.190 N:520939.302 Start Date: 28/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 12.556 Sheet: 4 of 4



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	TRI	Status:- FINAL			
Project:	Prairie Site Ground Inve	Exploratory Hole No.			
Client:	South Tees Development Corporation	Location:	E:454436.008 N:520967.82		PRAIRIE_AUK_TP196A
Method (Eq	uipment): Machine Excavated (360 Tracked Excavator)	•	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 1 of 4

Method (Equip		- · · · · · · ·	. T			_		Ground Level (m):	Start Date:	Sheet:		
Machine Excavated (360 Tracked Excavator)							11.190 29/04/2020 1 of 4					
SAI	MPLES &	TESTS						STRATA	4			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description			
1.40	ES1			9.79 9.59 9.19		(1.40)	MAI con and ang yes she Firn	tent. Sand is fine to covel is fine to coarse su k and concrete. Slag cude red brick, concrete cular grey). 0.50m BGL 300mm DE GROUND (Brown of tent. Sand is fine to coincludes slag. Gravel ular and include slag. cular grey/grey green. en noted).	arse and include bangular and incontent is 25-50% and slag. Slag content is 75 cast iron pipe rugrey sandy grave arse. Gravel is fir slag content is 75 Cobble slag cont Strong hydrocarl	ludes slag, sandstone, . Cobbles are angular and content 0-25%. Slag is nning 000 degrees. I with medium cobble ne to coarse subangular		
-		PLAN 3.00 Face A			1	GROU Saturat		ata at 1.80m BGL (Heav	yy inflow)			
				-								
Face D		Orientation 		ם מכני	2.10	STABI Pit side		base moderately stable	throughout excav	ation.		
		Face C]			,	-			
	ADDI	TIONAL INFORM	MATIO	N				REMARKS				
Skatah Di-	ugram:	Ol.	etch Tak	(on		(1) Tria	aı pit e	xcavated on slope.				
Sketch Dia	ıyram:	SK	∍ιcπ rak	(CI)		11						

Sketch Diagram: Sketch Taken See additional sheets. Photographs: Yes Checked by: Logged by: D. Portsmouth Contract No. **4251**

For explanation of symbols and abbreviations see Key Sheets All dimensions in metres Scale 1:50

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP196A South Tees Development Corporation E:454436.008 N:520967.820 Start Date: 29/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) 2 of 4

Figure PRAIRIE_AUK_TP196A.1 PRAIRIE_AUK_TP196A





TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP196A South Tees Development Corporation E:454436.008 N:520967.820 Start Date: 29/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 11.190 3 of 4





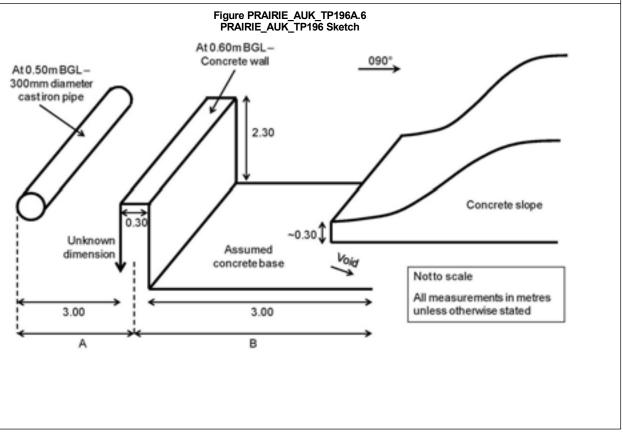
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

Status:-



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





Status:-

FINAL

Exploratory Hole No.

<u> </u>	Head Office: Regional Office:	Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-ie-Street, Co. Durham, DH2 2RG Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL	Tel: 0191 387 4700 Fax: 019 Tel: 01772 735 300 Fax: 017
		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

Client: South Tees Development Corporation						Location:	E 45.465	000 11 50005	000	PRAIR	RIE_AUK_TP196B
Method (Equipme		- F 1 1/22					E:454436 Ground Le		Start Date:	Sheet:	4 .65
	Machine	e Excavated (36	J Iracl	ked Exc	avator)			11.190	29/04/2020		1 of 5
SAM	PLES &	TESTS						STRATA			
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)					
				9.99		(1.20)	coarse. Grav	and inc	Sand is fine to ludes slag. Gravel ude slag. Cobble		
				8.29		MADE GROUND (Grey gravel and cobbles with low to medium boulder content. Gravel is fine to coarse subangular and includes slag. Gravel slag content is 25-50%. Cobbles are subangular and include slag, concrete and metal. Cobble slag content is 50-75%. Boulders are subangular and include concrete, metal and wood. Strict is vesicular).					
							Terminated a	at 2.90m BGL - 0	due to concrete	obstruct	ion.
# D as		PLAN 3.00 Face A Orientation		Tace	1 2		NDWATER ed strata at 1.8	80m BGL (heavy	inflow).		
One file training a 10.7 to 10					STABII Pit side		oderately stable th	nroughout excav	ation.		
	ADDIT	TIONAL INFORM	10 <u>1</u> TA	N			RAL REMARK				
Sketch Diagr	ram:	Ske	etch Tak	en		(1) Tria	l pit excavated	on slope.			
Photograph	าร:	Yes		See add shee							
All dimensions in metres Scale 1:50 For explanation abbreviations si					of symbo ee Key S	ls and neets	Checked by	: Logged D. Portsi	d by: mouth	Contract No. 4251	

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TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP196B South Tees Development Corporation E:454436.008 N:520967.820 Start Date: 29/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 11.190 2 of 5





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Client:

TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Location: PRAIRIE_AUK_TP196B South Tees Development Corporation E:454436.008 N:520967.820 Start Date: 29/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 11.190 3 of 5





TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP196B South Tees Development Corporation E:454436.008 N:520967.820 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 29/04/2020 Ground Level (m): 11.190 4 of 5

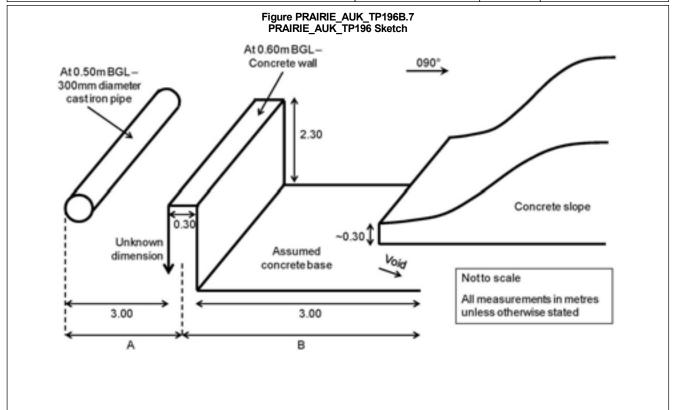




Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01972 735 300 Fax: 01772 735 999



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



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Ġ	TRI	FINAL			
Project:	Prairie Site Ground Inve	Exploratory Hole No.			
Client:	South Tees Development Corporation	E:454449.745 N:520922.33	79	PRAIRIE_AUK_TP197	
Method (Ed	quipment):		Ground Level (m):	Start Date:	Sheet:

South Tees Development	Corpo	ialion			F:454440	9.745 N:520922.379		i ivai	VIL_AUN_IF 191
Method (Equipment): Machine Excavated (36)	0 Trac	ked Exc	avator)		Ground Lo			Sheet:	1 of 4
SAMPLES & TESTS					•	STRATA	•		
Depth Type Test No Result	Water	Reduced Level	Legend	Depth (Thickness) Description					
		9.60		MADE GROUND (Brown grey very sandy gravel with medium content. Sand is fine to coarse and includes ash. Gravel is fine coarse subangular and include slag, sandstone, red brick and concrete. Gravel slag content is 25-50%. Cobbles are angular include red brick, concrete and slag. Cobble slag content is 0-Slag is vesicular grey).					
		8.60		MADE GROUND (Brown grey very gravel and cobbles with low boulder content and metal (girders). Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes slag, sandstone, red brick and concrete. Gravel slag content is 25-50%. Cobbles are angular and include red brick, concrete, slag, wood and metal. Cobble slag content is 0-25%. Boulders are angular and include concrete. Slag is vesicular grey). Terminated at 2.80m BGL - due to concrete obstruction.					
PLAN 4.00 Face A]]	GROUNDWATER Saturated strata at 1.80m BGL (heavy inflow).					
O Orientation 090° Face C		Face B	1.50	STABILITY Pit sides and base moderately stable throughout excavation.					
ADDITIONAL INFORM Sketch Diagram: Ske	MATIO			GENERAL REMARKS (1) Trial pit excavated on slope. (2) No samples taken. (3) Trial pit excavated across slope exposing various subsurface structure following sketch.				estructures - refer to	
Photographs: Yes		See addi sheet							
All dimensions in metres For explanation abbreviations so					fon of symbols and size Every Sheets Checked by: Logged by: Contract No. D. Portsmouth 4251				

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





Project:

Client:

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

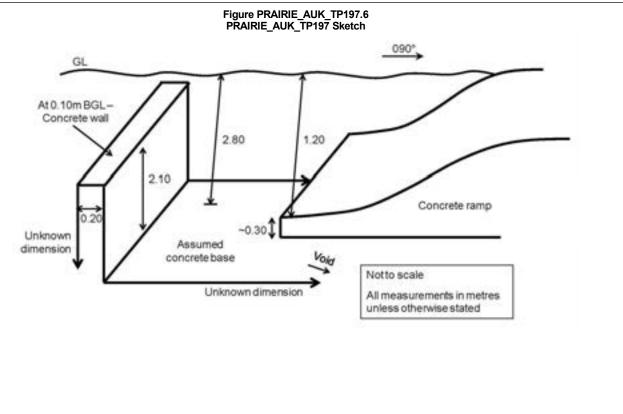




Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 909

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





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 4700 Fax: 01972 735 909

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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP198 South Tees Development Corporation E:454458.796 N:520990.155 Method (Equipment): Ground Level (m): 12 937 Start Date: Machine Excavated (360 Tracked Excavator) 27/04/2020 1 of 7 **SAMPLES & TESTS STRATA** Nater Reduced Depth Depth Legend Description MADE GROUND (Brown grey very sandy gravel with many rootlets. 12.74 0.20 Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Slag ∖is vesicular grey). . (1.00) MADE GROUND (Red brown black sandy gravel with high cobble and low boulder content and metal and wood. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, concrete, red brick and slag. Slag content is 0-25%. Cobbles are angular and include red and yellow brick and concrete (rebar 10-20mm). Boulders are angular and include red and yellow brick sections and concrete (rebar 10-20mm). Slag is vesicular grey green). (1.40) MADE GROUND (Red brown black sandy gravel with high cobble content and fragments of wood. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, coal, concrete and red brick. Cobbles are angular and include red and 10.3 yellow brick, metal, wood and concrete). at c.1.20m BGL ... concrete, extend pit east. at c.2.60m BGL ... concrete, extend pit east. Terminated at 2.60m BGL - due to concrete obstruction. **PLAN GROUNDWATER** No groundwater inflow observed. 32.00 Face A Face D Face Orientation 090° **STABILITY** Pit sides and base moderately stable throughout excavation. Face C ADDITIONAL INFORMATION **GENERAL REMARKS** (1) Trial pit excavated across slope exposing various subsurface structures - refer to following sketch. Sketch Diagram: Sketch Taken (2) At 2.60m BGL - pit extended north from western end. Same ground conditions encountered to 1.60m BGL. See additional Photographs: Yes sheets. Checked by: Logged by: Contract No. All dimensions in metres For explanation of symbols and abbreviations see Kev Sheets K.W D. Portsmouth 4251

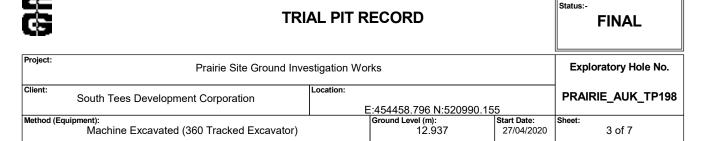
Scale 1:50

ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Re

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP198 South Tees Development Corporation E:454458.796 N:520990.155 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 27/04/2020 2 of 7





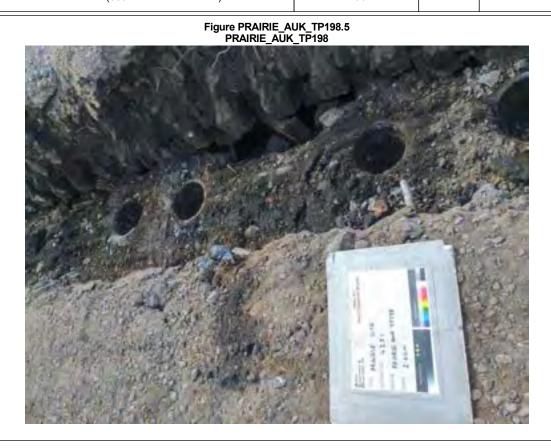






Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP198 South Tees Development Corporation E:454458.796 N:520990.155 Start Date: 27/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) 4 of 7





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





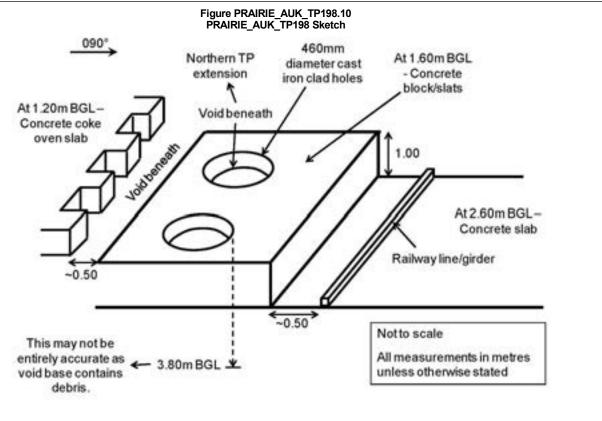
Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Fax: 01972 735 399



Client:

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



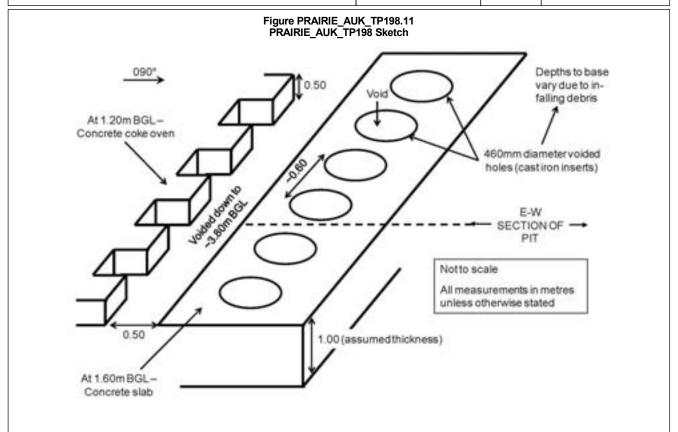


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 01972 735 999

Status:-



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



Status:-

_	ALLIED	EXPLORATION & GEOTE
	Head Office: Regional Office:	Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2F Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL
75		TRIAL PIT RECORD

Œ	IKI	FINAL			
Project:	Prairie Site Ground Inve	Exploratory Hole No.			
Client:	South Tees Development Corporation	PRAIRIE_AUK_TP199			
Method (E	Equipment): Machine Excavated (360 Tracked Excavator)	•	Ground Level (m): 13.209	Start Date: 27/04/2020	Sheet: 1 of 4

-								
SAMPLES 8	R TESTS				STRATA			
Depth Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description		
			13.01		(2.80)	MADE GROUND (Brown grey very sandy gravel. Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, sandstone and concrete with many rootlets. Slag content is 25-50%. Slag is vesicular grey). MADE GROUND (Red brown black sandy gravel with high cobble and low boulder content and fragments of wood and metal. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, coal, concrete, wood, red brick and slag. Slag content is 0-25%. Cobbles are angular and includes red and yellow brick and concrete (rebar 10-50mm). Boulders are angular and include red and yellow brick sections and concrete (rebar 10-30mm). Slag is vesicular grey green).		
			9.41		(0.80)	MADE GROUND (Concrete and red brick floor).		
			8.21		(1.20)	MADE GROUND (Red brown black sandy gravel with high cobble content and fragments/sections of metal and wood. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, coal, concrete and red brick. Cobbles are angular and include red and yellow brick and concrete).		
			8.01		5.20	Firm to stiff red brown grey slightly sandy CLAY. Sand is fine to medium. Complete at 5.20m BGL.		
	PLAN	1				INDWATER		
	8.00 Face A]	No gro	undwater inflow observed.		
O Orientation Face B B 2.60				2.60	STABI Pit side	LITY es and base moderately stable throughout excavation.		
Face C]1				

ADD	ITIONAL INFOR	MATION	GENERAL REMARKS				
Sketch Diagram:	Sk	ketch Taken	(1) Various subsurface structures exposed during excavation - refer to following sketch. (2) No samples taken.				
Photographs:	Yes	See additional sheets.					
All dimensions in metres For explanation o abbreviations se				Checked by:	Logged by: D. Portsmouth	Contract No. 4251	

Status:-

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





TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP199 South Tees Development Corporation E:454465.130 N:521024.309 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 27/04/2020 3 of 4







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 735 390 Fax: 01772 735 399

4 of 4

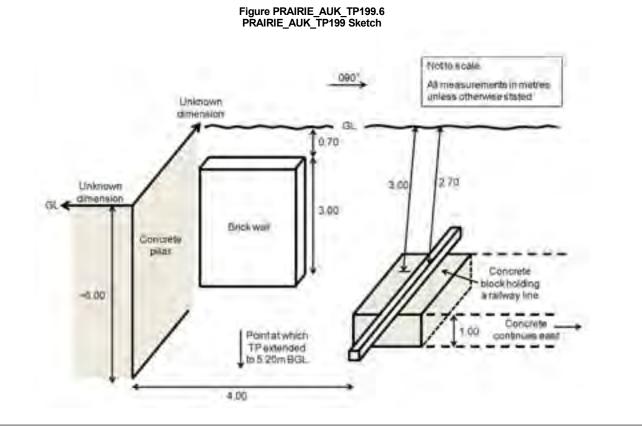


Project:

Client:

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





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Status:-

Œ	TRIAL PIT RECORD								FINAL		
Project:	oject: Prairie Site Ground Investigation Works									Exploratory Hole No.	
Client:	outh Te	es Development Co	orpor	ation		Location		E:454446.479 N:521086.0	126	PRAIRIE_AUK_TP200A	
Method (Equipme		ne Excavated (360 ⁻	Track	ced Exc	avator)			Ground Level (m): 10.527	Start Date: 28/04/2020	Sheet: 1 of 6	
SAM	PLES {	& TESTS						STRATA	<u>'</u>		
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description		
				9.53 8.03 7.73		- 0.20 1.00 - 1.00 - 2.50 - 2.80 2.80	cont Grav cond red MAE cont coar brick and at c. MAE and ash, at c.	tent with many rootlets. S vel is fine to coarse subal crete. Slag content is 25-5 brick. Slag is vesicular gr	and is fine to congular and income of the composition of the compositi	dudes slag, sandstone and are angular and include gravel with medium cobble is ash. Gravel is fine to rete and red and yellow angular and include red cular grey). Extended pit west. Sand is fine to coarse subangular and includes of pit - pit extended.	
-		PLAN 13.00 Face A				GROU No gro		ATER ater inflow observed.			
Face D		Orientation 090° ■ Face C		Tace B		STABI Pit side		base stable throughout exc	cavation.		
		TIONAL INFORMA	TION	٧		GENF	RAL F	REMARKS			
Sketch Diagi		Sketch				(1) Tria (2) Struthe san Structu (3) Var	al pit ex uctures me as l ures bo rious st	xtended west on slope. s exposed when extending between 0.20-1.00m BGL to totomed out at 3.50m BGL. tructures exposed during ex	out with mediun	were backfilled with material n boulder content (concrete).	
Photograph	hs:	Yes		See add		(3) Various structures exposed during excavation - refer to sketch following PRAIRIE_AUK_TP200B. (4) No samples taken.					

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. 4251

All dimensions in metres Scale 1:50

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP200A South Tees Development Corporation E:454446.479 N:521086.026 Start Date: 28/04/2020 Method (Equipment):
Machine Excavated (360 Tracked Excavator) 2 of 6







ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 29 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4701 Tel: 01772 735 300 Fax: 01772 735 999

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





ALLIED EXPLORATION & GEOTECHNICS LIMITED Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 300 Fax: 01772 735 999

Project:

Client:

Status:-

4 of 6

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

Figure PRAIRIE_AUK_TP200A.5 PRAIRIE_AUK_TP200



Figure PRAIRIE_AUK_TP200A.6 PRAIRIE_AUK_TP200



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



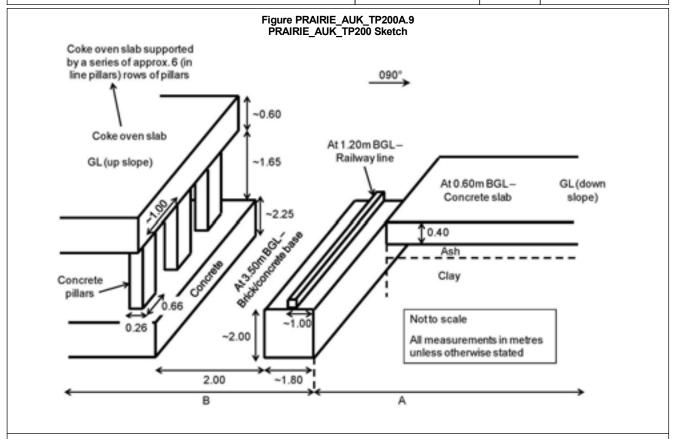


Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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



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



A	ALLIED EXPLORATI Head Office: Regional Office: Unit 25 Stella Gill Industrial Estate, Pe Unit 20 Business Development Centre	Iton Fell, Chester-le-Street, Co. Durham, DH2 2RG	HNICS LIM Tel: 0191 387 4700 Fax: 0191 38 Tel: 01772 735 300 Fax: 01772 7	7 4710
	TR	IAL PIT RECORD		Status:- FINAL
Project:	Prairie Site Ground Inv	estigation Works		Exploratory Hole No.
Client:	South Tees Development Corporation	Location: E:454446.479 N:5	521086.026	PRAIRIE_AUK_TP200B
Method (Eq	uipment): Machine Excavated (360 Tracked Excavator)	Ground Level (m):	Start Date: 28/04/2020	Sheet:

					E:454446	.479 N:521086.02			
thod (Equipment): Machine Excavated (3	60 Trad	cked Exc	cavator)		Ground Le	evel (m): 10.527	Start Date: 28/04/2020	Sheet:	1 of 6
SAMPLES & TESTS						STRATA	•	•	
Depth Type Test No Result	Water	Reduced Level	Legend	Depth (Thickness)		D	escription		
	1	7.03		(3.30)	content with Gravel is fin concrete. Sla red brick. Sla MADE GRO and boulder is fine to coa yellow brick. include red a	UND (Brown grey many rootlets. Sale to coarse subang ag content is 25-50 ag is vesicular grey UND (Brown grey content. Sand is fitted as a subangular and Slag content is 25 and yellow brick arcrete. Slag is vesicular subangular and yellow brick arcrete. Slag is vesicular subangular and yellow brick arcrete. Slag is vesicular subangular and yellow brick arcrete.	nd is fine to c gular and incl)%. Cobbles y). very sandy g ne to coarse id includes sl i-50%. Cobbl id concrete. E	coarse ar ludes sla are angu ravel with and including, conciles are ar	nd includes ash. g, sandstone an ular and include n medium cobble udes ash. Grave rete and red and ngular and
	<u>.</u>				Terminated a	at 3.50m BGL - due	e to concrete/	brick bas	e.
PLAN #					NDWATER strike at 3.50m	BGL (slight inflow).			
Face C					LITY ss and base sta	ble throughout exca	avation.		
ADDITIONAL INFOR	RMATIC	N		GENERAL REMARKS					
Sketch Diagram: Sketch Taken									
Photographs: Yes		See add							
	All dimensions in metres For explanation abbreviations s								

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Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP200B South Tees Development Corporation E:454446.479 N:521086.026 Start Date: 28/04/2020





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





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TRIAL PIT RECORD

Project:

Client:

Status:-

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



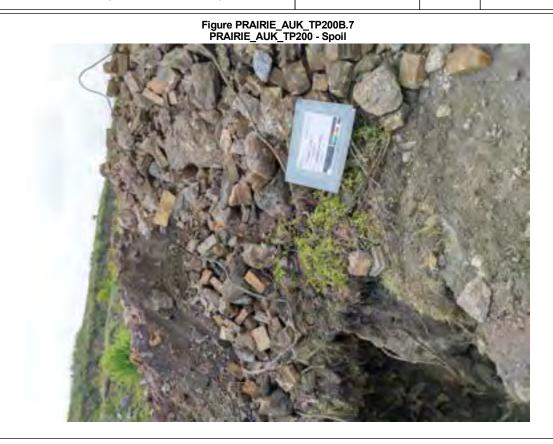


Figure PRAIRIE_AUK_TP200B.6 PRAIRIE_AUK_TP200



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



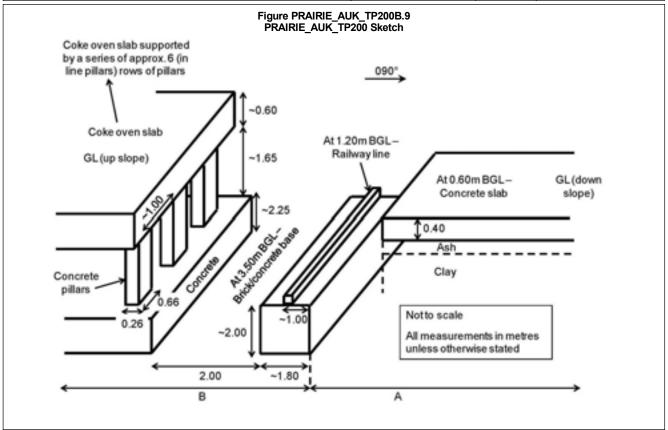


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Tel: 0191 387 4700 Fax: 0191 387 4710
Tel: 01772 735 300 Fax: 01772 735 999



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



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: 01772 735 300 Fax: 01772 735 999

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					TR	IAL PI	T RECORD		Status:- FINAL		
Project:		Prairie Site Ground Investigation Works									
Client:	South Tee	South Tees Development Corporation									
Method (E	Equipment): Machine	e Excavated (36	0 Trac	ked Exc	cavator)		E:454512.591 N:520927.5 Ground Level (m): 15.534	Start Date: 28/04/2020	Sheet: 1 of 3		
	SAMPLES &	TESTS					STRATA				
Dep	th Type	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		Description			
3.60	ES1			15.33 14.13 12.53		(1.20)	Sand is fine to coarse and in subangular slag, sandstone (Slag is vesicular grey). MADE GROUND (Brown bla Recovered as a sandy grave predominantly ash. Gravel is ash and clinker). MADE GROUND (Brown grecobble content. Sand is fine fine to coarse subangular an and red and yellow brick. Slaand include red and yellow b grey). MADE GROUND (Yellow grecobble content. Sand is fine Gravel is fine to coarse subared brick and sandstone. Coland concrete. Engineer note strata above due to gradient	cludes ash. Grand concrete. See the coarse and dincludes slag ground concrete and c	ravel is fine to coarse Slag content is 25-50%. Incted ash/clinker. Ito coarse and subangular and includes sandy gravel with high includes ash. Gravel is g, concrete, sandstone 25%. Cobbles are angular ete. Slag is vesicular sandy gravel with high is predominantly ash. ludes ash, clinker, coke, ilar and include sandstone		
	#	PLAN 4.00 Face A Orientation			1		INDWATER undwater inflow observed.				
	Orientation 090° STABILITY Pit sides and base stable throughout excavation.										

ADD	ITIONAL INFOR	MATION	GENERAL REMARKS (1) Trial pit excavated into a raised earth bund. All measurements taken from top of slope.					
Sketch Diagram:	Sk	ketch Taken	J Siepei					
Photographs:	Yes	See additional sheets.						
All dimensions Scale 1:		For explanation of abbreviations se	of symbols and ee Key Sheets	Checked by:	Logged by: D. Portsmouth	Contract No. 4251		

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Method (Equipment):
Machine Excavated (360 Tracked Excavator)

Start Date: 28/04/2020

2 of 3

Project:

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP201 South Tees Development Corporation E:454512.591 N:520927.507

Figure PRAIRIE_AUK_TP201.1 PRAIRIE_AUK_TP201



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TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP201 South Tees Development Corporation E:454512.591 N:520927.507 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 28/04/2020 3 of 3





Groundwater Observations Made at the Time of Site Works



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

Remarks													AEG Contract No > 4251	Certificate No - GWGWS/4251/1
	Slaw inflaw.	Slow inflow.	Water strike (slow inflow).	Water strike:	Water strike.	Water strike.	Water strike:	Water strike	Water strike,	Water strike	Water strike.	Water strike.	South Tees Development Corporation	30
Depth After 20 mins	2.58	12.36	2.88	432	8.47								South Tees	Approved By
Depth After 15 mins	2.50	13.11	2.90	5.63	8.76								Client	
Depth After 10 mins	2.84	13.72	2.93	611	9.06								0	7
Depth Affer 5 mins	2.88	14.06	2.96	6.84	9.42									Checked By
Total Time (mins)	50	50	20	20	50							Ī		0
Flual Depth (m)	2.58	12.35	2.88	4,32	8.47								ation Works	1013
Depth Sealed (m)	4.00		4.00		12.50								Prairte Site Ground Investigation Works	
Depth of Cassing (m)	2.80	14.46	2.88	8.40	10.06								ine Sile Gro	Page No
Water (m)	3.00	14.80	3.00	8.60	10.30	2,00	230	2,40	1,70	0.30	2.20	1.30	E.	0
Date	27/04/2020	28/04/2020	16/04/2020	16/04/2020	21/04/2020	06/04/2020	06/04/2020	22/04/2020	05/04/2020	08/04/2020	22/04/2020	20/04/2020	- 95	ue > 05/11/2020
Exploratory Hole No.	STATE ALK BITTER 2	PRABE ALL MATOR 2	THAN TAN SHIPS	PRACTICAL BATCH	WASE ME THIS 2	SAME AUN TRIBE	O SELECTION STREET	PHARTE, NON, STITE 2	PRAIRE AUN TRITIS	PRANTE AURETHUS D	PRAKE AUNOPITE 2	MILES NUT TENNIN 2	Contract Tate	Date of issue

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

													AEG Contract No 4251	5 :- GWOWS\4251?
Remarks	Waterstake	Water strike (Heavy inflow).	Water strike,	Watersbike	Waterstake	Waterstrike	Water strike.	Water strike	Water strike	Water strike (Heavy Inflow)	Perched water:	Water strike	South Tees Development Corporation	Ey-Cemicate No.
Depth After 20 mins													South Tees D	Approved By
Depth After 15 mins													Clent	
Depth After 10 mins	Ī												0	31
Depth After 5 mins	Ī													Checked By -
Total Time (mins)														ō
Final Depth (m)										1,60			lation Works	2014
Depth Sealed (m)													and Investig	X.III
Casing (m)													Prairie Site Ground Investigation Works	Page No.
Depth of Water (m)	08'0	0.30	0.60	1,70	1.90	1.40	0.30	0.50	080	8	1,60	0.60	Pra	0
Date	09/04/2020	08/04/2020	06/04/2020	23/04/2020	02/04/2020	15,04/2020	15/04/2020	15/04/2020	16:04/2020	23/04/2020	17/04/2020	14/04/2020	, . g.	06/11/2020
Exploratory Hole No.	PRUPE AUR THEE OF	PRABE ME THIS OF	PRANTE ALM, TRISS DO	SEAST ALK THE! Z	Severe was Trible Of	PEACH ALK TRICK	PRIME MAKETHISK T	SOARIE AUR TRUST	PRAIGE ALK THING T	PRARE ALL TITLE 2	Thereto also treat	T ROUND AND THIS T.	Contract Title :-	Oate of Issue

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

Remarks				uct in Faces C and D.		AEG Contract No:-
	Waterstrike	Water strike.	Water strike.	Water runnelg from brick cable duct in Faces C and D	Water strike (Sight inflow).	South Tees Development Corporation
After 20 mins						South Tees
After 15 mins	Ħ					Cherity
After 10 mins	П					ō.
After						
Time (mins)					H	
Depth (m)						ation Works
Sealed (m)						Priume Site Ground Investigation Works
Casing (m)						ine Site Gro
Water (m)	1.00	1.00	0.80	120	3.50	Pro
Date	17/04/2020	17/04/2020	16/04/2020	16,04/2020	25,04/2020	3.0
Exploratory Hole No.	PRINCE AUX, THISTR	PRIMITE ALK TRISS	Phone Sale, 1919	MARTE ALS THISTA	SHANNE AUN THOOGS 25,D4/2020	Contract Title >

Martitles (Art Stem of Feature State Feat Owner action to Duran 1997) for 2017 of State Act of S

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

Monitoring Point	Date	Depth (m)	Remarks
PRANE ALK THID!	01/04/2020	2 00	Groundwater seepage.
PHANE ALE THIS	07/04/2020	0.50	Groundwater sempage
PRANCE AUX 12147	23/04/2020	2.60	Groundwater seepage.
MARE ALK TOTAL	23/04/2020	1.40	Groundwater seepage.
PHARE AUX, 19125	20/04/2020	1.50	Groundwater seepage
PRAIRS_ALA_TP138	17/04/2020	2.70	Slight groundwater seepage (water perched on concrete base).
PRAME AUT THE	17/04/2020	1.00	Saturated strata (slight inflow) at 1.00m BGL. Engineer notes contaminated water seeping from contaminated mudstone pocket into clay.
PRAISE AUG. TP142	23/04/2020	1,20	Saturated strata between 1.00-1.20m BGL (Sught inflow). Water contains globules of oil/contaminants.
PRASE AU TITTAL	24/04/2020	1.10	Saturated strata (Slight inflow)
PRARE AUT TP145	14/04/2020	1.70	Groundwate/ seepage
MANE ALK THISE	14/04/2020	120	Groundwater seepage
AMEST, ALK, STRANS	16/04/2020	170	Slight groundwater seepage.
MARK AN IPIS	21/04/2020	0.80	-Saturated strata (Slight inflow).
PRASE NO THE	15/04/2020	1 50	Saturated strata between 0.90-1 50m BGL
PRINTE ALK, THIS	14/04/2020	2 80	Saturated strata (Heavy inflow)
PHANE MALTERIA	14/04/2020	1.10	Saturated strata (Slight inflow).
HILARE ALK THE	16/04/2020	2.40	Saturated strata between 1.20-2.40m BGL (Slow inflow).
FRANK_ACH_TP314	08/04/2020	2.00	Slight groundwater seepage
PRAIRS_AUK_TRITS	06/04/2020	0.90	Perched water (Slight inflow).
mand Aut news	07/04/2020	1.40	Saturated strata (Heavy inflow)

Contract Title - Client - Client - South Tees Development Corporation

Certificate No GWOS/4251/1	Date of Issue : 05/11/2020	Page No - 1 of 2	
Checked By >	Approved By -	AEG Contract No 4251	

Seat URSec UNION Street Or Common Editor France Fall Character Common Co. Durings (200 Day 100 Day 100 Fall Character Common Com

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

Monitoring Point	Date	(m)	Remarks
WARE ALK THIS	09/04/2020	1.50	Perched water (Slight inflow).
PRANC ALK TPITE	09/04/2020	1.20	Saturated strata (Heavy inflow).
PRANE AUX TP181	09/04/2020	1.70	Saturated strata (Slight inflow).
PRANTE_AUX_TF182	09/04/2020	1.10	Saturated strata (Stight inflow).
FRASE_AUS_THE	07/04/2020	1.00	Saturated strata (Moderate inflow). Possibly backfilled cellar/basement
PROBLE_ALK_TITLE	08/04/2020	1.70	Saturated strata (Heavy inflow).
FRANKE AUX_TITES	07/04/2020	1.30	Perched water (Slight inflow)
MARE AUL THE	01/05/2020	1.10	Saturated strata (Slight Inflow).
PRAGE_AUF_TRIES	30/04/2020	0.60	Saturated strata (Slow inflow)
TRARE AUT TPIEU	29/04/2020	1.50	Saturated strata (Moderate inflow)
PRANCALN TRISAC	29/04/2020	1.80	Saturated strata (Heavy Inflow)
AND THE PART OF TH	29/04/2020	1.80	Saturated strata (Heavy inflow).
PRANE ALK TRIDES	29/04/2020	1.80	Saturated strata (Heavy inflow)
PHASE VIK THE	29/04/2020	1.60	Saturated strata (Heavy inflow)

Contract Tatle - Prairie Site Ground Investigation Works South Tees Development Corporation



Certificate No. :-	Date of Isaue >	Page No. >	
GWQ5/4251/2	05/11/2020	2 of 2	
Checked By	Approved By -	AEG Contract No	



Groundwater Monitoring Results



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GROUNDWATER MONITORING RESULTS

Miniming Post	Data and Time	Depth and Type of Well	Ground Level (mAOD)	(wBGL)	Reduced Vister Level (mAOO)	Remerks
NAME AUX BHIDS	00/00 0E/05/2020	19.50m 19mm SPIE	8.64	2.00	8.64	
RAPE NX BHIS	15/09/2020 12:05	10 00m 19mm SPIE	0.04	1.77	6.67	
RABE AR BHIS	50/09/2020 179-27	10.00m 19mm SPE	8 64	1.69	0.95	
NAME AIR BHILL	06/06/2020 60 00	16.50m 50mm SP	864	1.00	5.64	
RAIRE AUX BHIOL	18/06/2020 12:05	16.50m 50mm SP	0.04	1.76	9.56	
HARIE AUK BHIOT	30/06/2920 09:23	16 Siles 50mm SP	8.64	1.64	TIDQ	
TARE AK BHICE	06/05/2020 00:00	7.20m 50mm SP	9.21	110	711	
HARE NK 3HK2	15/06/2020 14:18	7.20m 30mm SP	8.21	D,85	736	
WARRE AUX JH 102	30/06/2020 07:10	7:20m 50mm SP	8.21	0.90	7.31	
MARTE AUK SHINS	00:00 00:00	8.50m 50mm SP	7.68	2:26	543	
RARIE AIK BINIS	15/06/2020 11:40	8:50m 50mm SP	7.68	171	5.97	
RAINE AJK JHILL	50/08/2020 DE-49	8 50m 50mm SP	7,68	192	5.76	
TRANSPORT NEW BHILDS	06/05/2020 00:00	ta som somm SP	6.70	6.40	2.30	
FARE ALK BHO	15/06/2020	18.50m 50mm SP	8.70	4.06	464	
PRINCE NEW PRIOR	30/06/2020 11 01	18.50m 50mm SP	610	621	249	
RAHE AM BHO	06/05/2020 59:00	11 00m 50mm SP	6.26	4.60	386	
HANDE AUX BHISS	15/05/2020 15:29	11.05mi 50min SP	8.2%	4.49	-377	
MAGRE_ALK_BHIO	30/06/2020 12/09	11 00m 50mm SP	0.26	46)	3.75	
HANNE ALK BHICK	66/05/2020 00:00	10 00m 50mm SP	8.71	3.94	4.77	
TRASSE JUN BRIDE	15/06/2020 14/52	10 00m 50mm SP	571	273	5.00	

Contract Title :- Client - South Tees Development Corporation

A Certificate N	D.:- GWMR/4251/1	Date of Issue - 05	/11/2020	Page No 1 of 2
Checked By	LC	Approved By -	W	AEG Contract No 4251

Head Office: Lind 25 Stories had included Design Patrick Fact Standard Cod (Standard Design Section 2017). Sec 1991 AM 4792 Fact State Standard Office: 1992 Section Commission Commission Standard Standard Standard Standard Cod (Standard Office) and patrick Standard Office Standard Offi

GROUNDWATER MONITORING RESULTS

Mordling Point	Date and Time	Depth and Type of Well	Ground Liveli (mAOO)	Visiter Depthy (in/BGL)	Reduced Water Level (mADD)	Remarks
HAME_AUK_SHIDE	30/06/2020 11:28	10.00m 50mm SP	871	3.28	5.0	
TARE AK POST	05/05/2020 00:00	8 00m 50mm SP	10.16	3.30	T-00	
HARE AUK PHIST	15/06/2020	8 00m Somm SP	10.16	321	0.06	
NAME AK DITO	13 05 13 05	8,00m 50mm SP	10.15	3 12	7.04	
SANS UK BHOS	06/05/2020 06:00	6 00m 19mm SPE	2.00	2.20	0,66	
WARE AK BYON	15/06/2020	5.00m (9mm SPE	B 86	1114	(7/92)	
PRAIRE AUT BHISE	90/06/2020 11:55	8.00m 10mm SPIE	88 8	0.35	8.61	
FRANK_AUK_BHOM	06/05/2020 III 00	14.00m 50mm SP	8.65	500	346	
PRANTE ALK EHIOS	15/06/2020	14.00m 50mm SP	8:85	491	3.95	
HRAINIE_HUM_BHICH	30/06/2020 11.61	14.00m 50mm SP	5.80	386	4.05	
PRANE_KIK BHIGH	16/06/2020 00:00	11.80m 50mm SP	12.00	544	6.65	
PEARE NIK BHOS	15/06/2020 13/04	11.80m 50mm/SP	12.09	5.97	6.12	
PRACTICAL BHIS	10/06/2020 13:29	11.80m 50mm SP	12.09	8.72	5.37	
PRAIRE AUGUST	08/05/2020 09:00	20.80m 50mm SP	7,60	4.00	3,60	
PRASS_AIK_SONT	15/05/2020 12:23	20.60m 50mm SP	7.60	1.84	3 96	
PRAIRE NO BHIT	50/66/2020 39:46	20.80m 50mm SP	7.10	1.87	3.93	

	W+ Gridge+SPE+	Starcon Programme
Contract Title >	Prairie Site Ground Investigation Works	Client - South Tees Development Corporation

Cedfi	cate No -	Date of (saue -	Page No :-
53	GWMR/4251/2	05/11/2020	2 of 2
Check	ad By -	Approved By -	AEG Contract No :-
CS	LC	XW	4251

Gas Monitoring Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

j														AEG Contract No :- 4251	Certificate No MON/4251/1
(multi)	4	970	5	Q to	9	36	5-6	B 8	50	36	415	9/9	= Steady - (D) = Decline.	E C	0
(sudd) abuding Leidosp/s		0.1	12	0	o F	9	0.	4.4	, p	Ę.	4.0	4.00	Ready - (D	South Tees Development Corporation	2
201.54	Ē	19.6	20.	20.5	70	\$	8	5 P	48.0	10	g g	9	k - (5) = 2	ment C	3
unting	(0)	9	52	er R	*22	8	8	100	1916	2	Ř	12.	(P) = Pask - (S)	dojava	. T
A/A (A)	Œ	ě	0.1	Ÿ	ñ	19	0.3	0.1	2.0	6.0	6.0	6.0	* Standpipe - SPIE * Standpipe Pezometer,	ees D	Approved By
CMEON	E	-	10	2.0	10	0.0	1.0	0.1	6.0	n o	ě	63	plpe Pe	dhoo	App
7371%	6	0.0	0.0	9	2.0	42.0	0	9.0	0.1	9	0	9.7	F Stand	. "	
instituti	E	6	9.0	2	2.0	4	0	0,4	20	0	9/9	0	Par SPH	Client	
AKN	8		*	20	5	ê	#0	70	10	0.1	9.0	4.0	Standpl	-	- x
e-mann	€	0.4	9	7	5	ē	0.0	80	ā	1.0	4.0	0.1	3		3
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Property (41.13	181	77	6,33	100	38.7	70.00	400	H.O.	44.5	800	and any out		Chec
SAN SENDE	na.	-4	40	90	0.1	19	2	47	70	5	90	10	r Mödel No		
(OCAN) is	DeG Lev	9.64	200	7.44	178	1,21	3.43	2.36	7107	516	3400	371	rifficate to	on Work	a
(150m)	(AV)	2.50	320	110	pato	0.60	42.5	8	4.00	124	3.60	4.49	Bratton Co	estigatio	1.013
My Layer (CICAN		200	200	173	12.0	15.5	7.68	670	07.0	DE 40	8.28	6	See attached Calibration Conflicate for Model No.	viii puno	Page No
Mary to se	M)	15,00es (Green SP'8)	10 504 50m 50	1 20m	7.20m Sprin Sp	1.20m 60mm Sp	8 60m some sp	18.58m 30mm 59	18 50m	# 50m 50mm 50	H 100m Some Silv	11 John 59	Sen at	Piairie Site Ground investigation Works	Page
in The	Test	#.	72	2	2	9	2	2	2	2	2	2	1	Pra	
lumpio autor	0	2	2	Z	Overses	Design	2	ž	District	Overzed	2	Oversal			06/11/2020
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ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

(American)														AEG Contract No > 4251	Certificate No.:- MON/4251/2
(MSd) WOUCHURE CHILDON		24	41.0	20	2	3.0	272	91	10.00	2	i c	4.	* Decline.	u u	
(m/d) ROLOTS INFOZEA		ŗ.	0.	0.7	7	0.0	£.	0	9	ě.	4.	0.	· Standy - (D) + Decline	South Tees Development Corporation	
ME	(8)	20	F F	2	8	8 61	18.9	96	20.2	7	30.0	Ŕ	k - [5] - 5	ment	3
AN E	60	2	8	2	Ř	100	9	999	g	18.0	20.6	â	(F) = Pas	evelop	1
Art % opening	6	20	9.	0.7	ů,	2.0	27	<u>m</u>	4	9.6	6.3	41	art details. SP = Standpipe - SPE = Standpipe Phecometer, (P) = Peak - (S)	ees D	Approved By
nodaka	F	9.7	D.f.	10	10	10	3.2	9.6	7.0	0.4	0.1	0.1	pipe Plac	South	App
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engritaki	ē.	20	0.4	5.0	ė,	90	n n	0.0	2	0 74	42.0	00	Se . SPE	Client	
ANN	8	ő	+0	10	9	4	10	0.1	9.9	0.7	ô	W D	Standpi	0	1
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(Jergus)	va.	900	87	160	21.0	8‡ F7	82 0	900	05 4	8	0.24	\$1.59	No. and any off		Oheo
lays above no	t.s	5	90	0	9	939	10	2.0	7	11 0	0.0	4.9	r Model No		
(OOTW) P	AGT DPOJ	3.76	477	9.6	243	700	\$	101	8	27.7	153	3,66	See attached Calibration Certificies for Model	on Work	m
(15)But (15)Bu	in.	433	36.0	27	120	916	320	3.12	2.30	ŧ.	30	9.00	beatlon Ce	estigatio	2013
IDOVE BARY CRAS	negt,	N.	#77F	671	877	30.18	84.00	8 8	5	8	2	N.	tached Cal	vul puno	No
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Newson Or	47	#	2	9	pt.	#	9	#F	#	#	2	2		Pra	
Linkymore, materials	D.	No.	2	Destant	Oversen	2	Chartaid	Overfall	Par	Oversal	Cherrales	2			05/11/2020
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ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

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33 Certificate Number: G506066 2/25251

Date Of Calibration: 09-Mar-2020

Issued by: QED Environmental Systems Ltd.

Customer: Allied Exploration & Geotechnics Ltd

25 Stella Gill Industrial Estate Pelton Fell Chester Le Street

County Durham DH2 2RG UNITED KINGDOM

Description: Gas Analyser

Model: GA5000 Serial Number: G506066

UKAS Accredited results:

Results after adjustment:

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

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

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

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

The maximum adjustment is larger than the inwards assessment uncertainty.

Inwards assessment data is available if requested.

All concentrations are molar.

CHA, CO2 readings recorded at :

32.5 °C ± 2.5 °C

O2 readings recorded at :

24.0 °C ± 2.5 °C

Barometric Pressure:

1002 mbar ± 4 mbar

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

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

Calbration instance: 108 IGC instance: 108

Page 1 of 2 | UP015GIUKAS-2.4

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







Certificate Number: G506066_2/25251

Date Of Calibration: 09-Mar-2020

Issued by: QED Environmental Systems Ltd.

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

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

Non-UKAS accredited results after adjustment:

Baro	meter (mbar)
Reference	Instrument Reading
1002	1002

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

Date Of Issue: 11-Mar-2020

Approved by Signatory

Ath.

Laura McBride

Laboratory Inspection

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. In provides traceability of measurement to the 5-system of units and/or to units of measurement realized at the National Physical Laboratory or other recognised national methology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance: 108 IGC Instance: 108

Page 2 of 2 | LPO15GIUKAS-2.4

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Certificate Number: G506065_2/25880

Date Of Calibration: 18-Jun-2020

Issued by: QED Environmental Systems Ltd.

Customer:

Allied Exploration & Geotechnics Ltd

25 Stella Gill Industrial Estate Pelton Fell Chester Le Street

County Durham DH2 2RG UNITED KINGDOM

Description:

Gas Analyser

Model:

GA5000

Serial Number: G506065

UKAS Accredited results:

Results after adjustment :

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

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

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

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

The maximum adjustment is larger than the Inwards assessment uncertainty.

inwards assessment data is available if requested.

All concentrations are molar.

CH4, CO2 readings recorded at :

32.5 °C ± 2.5 °C

02 readings recorded at :

22.8 °C ± 2.5 °C

Barometric Pressure:

1000 mbar ± 4 mbar

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

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

Calibration Instance:109 IGC Instance:109

Page 1 of 2 | LP015G/UKAS-2.4

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Certificate Number: G506065 2/25880

Date Of Calibration: 18-Jun-2020

Issued by: QED Environmental Systems Ltd.

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

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

Non-UKAS accredited results after adjustment:

Barom	eter (mbar)
Reference	Instrument Reading
1000	1001

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

Date of Issue: 19-Jun-2020

Approved by Signatory

Laura McBride

Laboratory Inspection

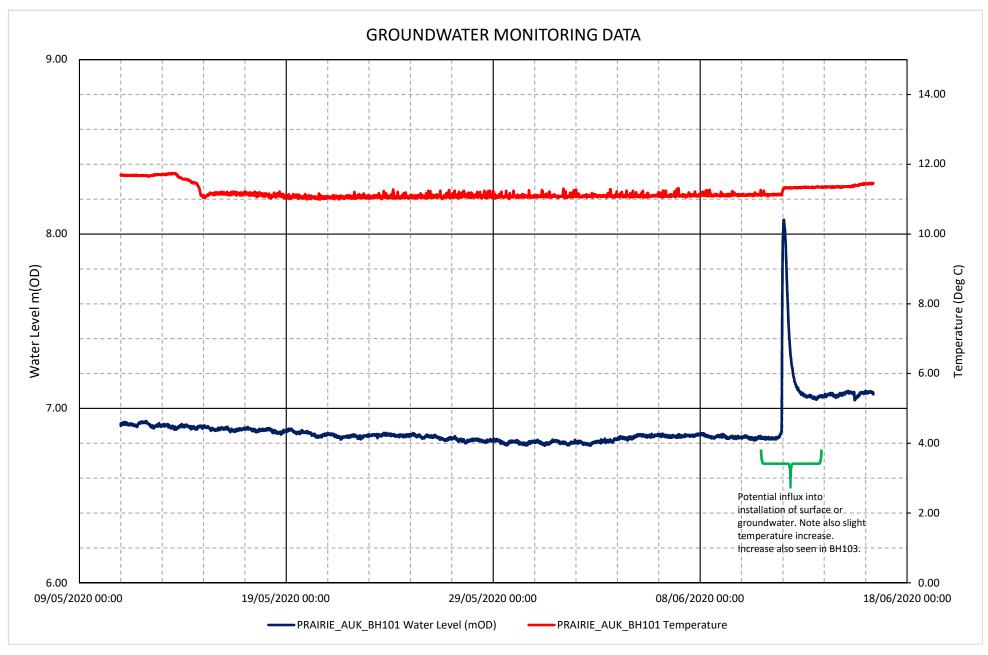
This certificate is lasted in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the Si system of units end/or to units of measurement realised at the National Physical Laboratory or other recognised national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

Calibration Instance: 109 IGC Instance: 109

Page 2 of 2 | LPD15GIUKAS-2.4

Continuous Groundwater/Tidal Monitoring Results

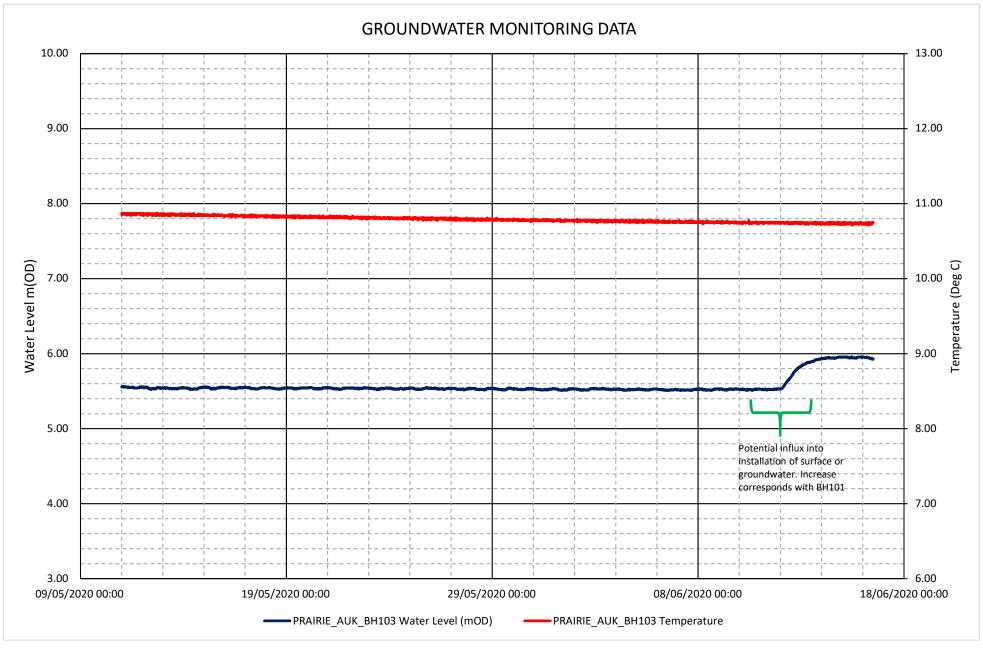




Title: Prairie Site Ground Investigation Works

Contract No: 4251

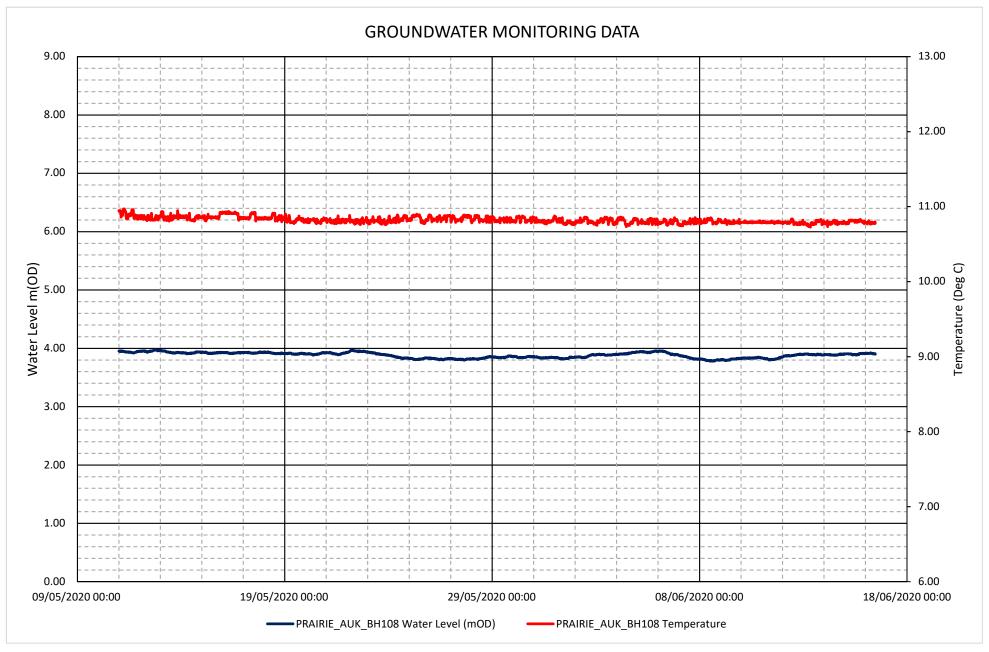
Client: South Tees Development Corporation



Title: Prairie Site Ground Investigation Works

Contract No: 4251

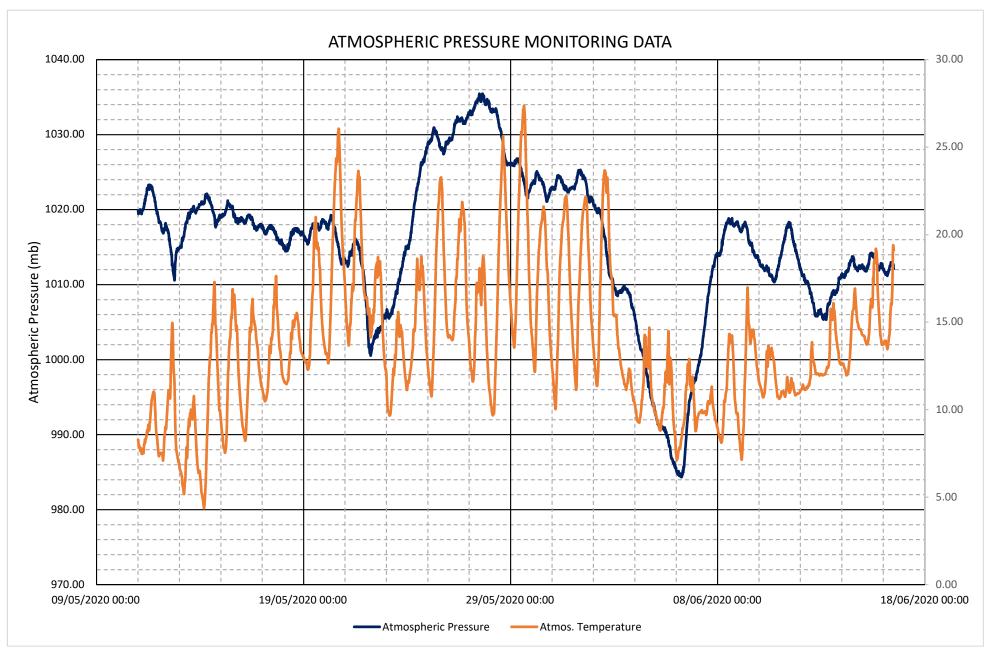
Client: South Tees Development Corporation



Title: Prairie Site Ground Investigation Works

Contract No: 4251

Client: South Tees Development Corporation



Title: Prairie Site Ground Investigation Works

Contract No: 4251

Client: South Tees Development Corporation

In-situ Test Report Certificate



Hand Office Unit 25 Street Distriction Edward Personnel Committee Street Distriction (Del 296) - Far DIST 3874700 Fair D



Signed

IN-SITU TESTING REPORT CERTIFICATE



Contract Title:	Prairie Site Ground Investigation Works	AEG Reference:	4251
Client Address:	South Tees Development Corporation		
Loughly that	In-situ testing was carried out on the above	contract in accountsnoon	s with techniques
outlined in BS	S 1377: 1990; Part 9 or other appropriate standattached enclosures, were obtained.		
The tests car number of pa	ried out are indicated in the attached table shi ges	owing the enclosure nul	mber and the total
For and on be	ehalf of Allied Exploration & Geotechnics Limite	d	
	Nick Vater (Managing Director)		
	Kerry Wade (Technical Manager)		
	2/2-1		

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

Date: 05 November 2020

IN-SITU TESTING REPORT CERTIFICATE

ENCLOSURES

Enclosure Number	Description	UKAS Accredited	Reference	No. of Pages
0	Test Report Certificate	N/A	· ··	2
1	Standard Penetration Test Results (SPT)	Yes	BS 1377 Part 9 1990	15
2	Hand Shear Vane Test Results	No		7
3	Photo-Ionisation Detector Test Results	No.		7
4	In-sito Water Quality Parameter Test Results	No.		9
5	Hydrau'ic Conductivity Slug Test Results	No		15
	Density by Care Cutter Method	Yes	98 1377 Part 9 1990	<u> </u>
-	Determination of the Vane Shear Strength (Down the Hole)	Yes	BS 1377 Part 9 1990	ϯ.
	Shallow Pad (skip) Load Test Results	No No	BS 1377 Part 9 1990	
_· ·	Determination of the California Bearing Ratio	Yes	 85 1377 Part 9 " ¹⁹⁹⁰	
_	Plate Loading Test Results	No	8S 1377 Part 9 1990	+
	Apparent Resistivity of Soi	Na	BS 1377 Part 9 1990	
·	Redox Polential of Soi'	Na Na	BS 1377 Part 9 1990	· ·
	Determination of the Soil Infiltration Rate for Soakaway Design	No	BRE Digest 365 1991	+ -

Standard Penetration Test Results



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STANDARD PENETRATION TEST RESULTS Exploratory Hole No. (BS EN ISO 22476-3: 2005) PRAIRIE_AUK_BRIDI Depth (m) 10 12 114 16 50 N Value 100 Uncorrected Nº Values Corrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Contract Title -Client > Prairie-Site Ground Investigation Works South Tees Development Corporation Certificate No -Date of issue -Operator > 05/11/2020 SPT/4251/Graph/PRAIRIE_AUK_BH101 L Selkink Approved By -Checked By -AEG Contract No. : 4251

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STANDARD PENETRATION TEST RESULTS Exploratory Hole No. (BS EN ISO 22476-3: 2005) PRAIRIE AUK BH108 0 Depth (m) 12 14 15 80 100 'N' Value Uncorrected 'N' Values Corrected W Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Client :-Contract Title -Prairie Site Ground Investigation Works. South Tees Development Corporation Date of issue -Certificate No -Operator:-SPT/4251/Graph/PRAIRIE_AUK_BH108 LS/LH 05/11/2020 Checked By -Approved By -AEG Contract No 4251

Exploratory Hole No. STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005) PRAIRIE AUK BH109 Depth (m) 10 12 80 100 10 Uncorrected 14 Values 'N' Value Corrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Client -Prairie Site Ground Investigation Works South Tees Development Corporation Certificate No Operator :-Date of issue > LSALH. 05/11/2020 SPT/4251/Graph/PRAIRIE_AUK_BH109 AEG Contract No. -Checked By -Approved By > 4251

Exploratory Hole No. STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005) PRAIRIE AUK BH110 0 Depth (m) 10 12 16 50 'N' Value 100 Uncorrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Corrected 'N' Values Client : Contract Title -Prairie Site Ground Investigation Works South Tees Development Corporation Date of issue -Cartificate No -Operator -SPT/4251/Graph/PRAIRIE_AUK_BH110 LS/LH 05/11/2020 Checked By -Approved By -AEG Contract No. 4251

Allied Exploration & Geotechnics Ltd.

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

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

CHEATTE CENERAL TRANSPORTER

0 7 JAN 2020

CHECKEN

SPT Hammer Ref: ATH09

Test Date: 23/05/2019

Report Date: 07/01/2020

File Name: ATH09.spt

Test Operator: BP

SPT Hammer Information

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

Comments / Location

Instrumented Rod Data

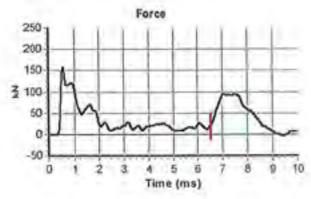
Accelerometer No.2:

 Diameter d_r (mm):
 54

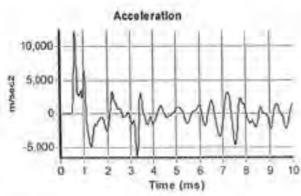
 Wall Thickness t_r (mm):
 6.5

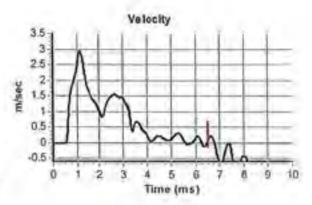
 Assumed Modulus E_a (GPa):
 208

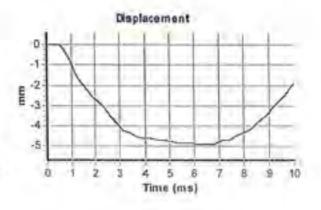
 Accelerometer No.1:
 5991



5990







Calculations

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

Energy Ratio E, (%):

51

Signed: Brian Proctor Title: Technician

The recommended calibration interval is 12 months

Hand Shear Vane Test Results



Remarks									Results in excess of 130kPa - exceeds the device measuring range.					AEG Coptract No > 4251	Certificate No HSV/4251/1
									Results in excess of 130kPa - ny					South Tees Development Corporation	Approved By
Average	68 (32)	53 (22)	47 (18)	(22)	86 (32)	(20)	64 (24)	70 (26)	130	72 (34)	67 (34)	62 (40)	· d		Appro
4th Result kPa	69	42	48	88	80.	09	29	68	130	92	72	99	Realistan fraudts given in prociona.	Client	7
3rd Result kPa	:53	99	44	188	06	60	68	68	130	68	58	82	Resko		Checked By:-
2nd Result kPa	. 99	94	44	82	84	09	90	72	130	72	62	82		estigation Works	1017
1st Result kPa	72 (32)	50 (22)	52 (18)	(22) 06	90 (32)	60 (20)	64 (24)	72 (25)	130	73 (34)	64 (34)	76 (40)		Praire Site Ground Investigation Works	Page No
Depth	1.80	2,80	D# #	3.00.	3,90	2.00.	3,00	2 00	3,00	1,00	28	2.00		Prai	90
Date	01/04/2020	01/04/2020	01/04/2020	01/04/2020	01/04/2020	01/04/2020	01/04/2020	23:04/2020	23/04/2020	05:04/2020	06.04/2020	21/04/2020		Contract Title -	Date of Issue: - 05/11/2020
Exploratory Hote No.	THAT AS THE	Shipe Like, the	40 49 494	SHALL MALTON	man in had	South Sea, 2010	SAME AND THESE	Station Services	manual Age (well)	THE WASHINGTON	Description of the last	married leading			Date of

Remarks											Results in excess of 130kPa - exceeds the device measuring range.			AEG Contract No. 4251	Certificate No HSV/4251/2
											Results in excess of 130kPa - exc			South Tees Development Corporation	Ken
Average	103 (40)	59 (18)	49 (12)	70 (30)	101 (35)	76 (38)	56 (24)	54 (20)	25 (0)	100 (68)	130	68 (42)	THE STREET		Approved B)
4th Result kPa	110	00	05	7.4	100	89	88	99	20	110	130	25	Southast results given in brackets.	Clent	7
3rd Result kPa	90	95	25	99	112	88	999	90	30	86	130	89	Remark		Checked By
2nd Result kPa	110	58	44	200	32	78	52	20	20	06	130	72		esbgallon Works	2 06 75
1st Result kPa	100 (40)	60 (18)	50 (12)	80 (30)	100 (32)	68 (38)	54 (24)	50 (20)	30 (8)	100 (88)	130	64 (42)		Pravie Site Ground investigation Works	Page No
Depth	3.00	3,00	4 00	2.50	3.00	2.50.	3,10	3.50	3.00	200	3.00	1.60		Prair	9
Date	21/04/2020	21/04/2020	21/04/2020	22/04/2020	22/04/2020	22/04/2020	22/04/2020	06/04/2020	08/04/2020	23/04/2020	23/04/2020	23/04/2020		Contract Title >	Date of Issue > 05/11/2020
Exploratory Hote No.	BOOK SHOULD	MACOCOTA	MARKET AND THE TO	man and and	Peters, size (two)	State August	MANUAL SPICE	U.Sarbara	Section 1	Managara (1974)	March Colonia	Bind backers		-	M.C.

Date		Depth	1st Result 4Pa	2nd Result kPa	3rd Result	4th Result kPa	Average		Remarks
23/04/2020	020	2.60	80 (40)	96	29	80	82 (40)		
22/04/2020	020	2.50	52 (20)	40	55	40	47 (20)		
22/04/2020	020	3.00	70 (22)	09	99	2	65 (22)		
20/04/2020	050	1.50	60 (22)	29	85	90	62 (22)		
20/04/2020	920	2.50	70 (18)	76	76	7.4	74 (18)		
08/04/2020	9020	2.20	32 (20)	38	33	30	32 (20)		
23/04/2020	9020	250	70 (34)	89	72	68	70 (34)		
02/04/2020	020	2.80	46 (20)	62	S	22	45 (20)		
02/04/2020	5020	3,60	65 (34)	òù	09	88	59 (34)		
22/04/2020	2020	1.00	42 (22)	30	44	99	41 (22)		
22/04/2020	5050	1,50	76 (18)	.00	2	25	71 (18)		
20/04/2020	020	1.50	76 (18)	55	89	68	69 (18)		
ŀ	1				Hest	Residual results given in brackets	Sets.		
Contract Tibe (+		ă	arrie Site Ground In	Prante Site Ground Investigation Works		Client		South Tees Development Corporation	AEG Contract No - 4251
Date of Issue	05/11/2020	120	Fage No	3017	Checked By	C	Approved By .	73	Certificate No HSVM251/3

Romarks.														AEG Contract No 4251	Certificate No :- HSV/4251/4
Average	84 (28)	70 (22)	70 (20)	40.(46)	67 (16)	46 (18)	47 (15)	77 (22)	77 (30)	64 (28)	97 (40)	97 (30)		South Tees Development Corporation	Approved By
4th Result	82	72	74	42	25	46	94	26	76	89	8	8	Residual results given in prackets.	Clent >	7
3rd Result	25	88	72	40	70	48	46	80	76	99	3	26	Resids		Checked By
2nd Result	999	72	62	40	99	42	90	70	72	62	100	106		estigation Works	4 017
1st Result RPa	84 (28)	68 (22)	70 (20)	(61) 85:	(9) 99	56 (18)	44 (16)	80 (22)	62 (30)	62 (28)	98 (40)	92 (30)		Prairie Site Ground Investigation Works	Page No ×
Depth	250	82	2.80	150	2.50	2.00	2.50	3.50	2.00	3.00	1.50	2.56		Pris	9
Date	20/04/2020	15/04/2020	15,04/2020	15/04/2020	15/04/2020	15/04/2020	16/04/2020	16/04/2020	14/04/2020	14/04/2020	14/04/2020	14/04/2020		Contract Title >	Date of Issue 2- 05/11/2020
Exploratory Hote No.	sting an trita	Series Add Prints	Merchanis	The July Internal	Security Sections	STATE STATE	MANUAL STOR	PRINCE, AND, DRIVEN	WANT ALL THE	But off Seess	ANT THE	Shirt Thinks		_	Oate of

Remarks						o frable	oo friabile.	sufficiently cohesive.		yo friable:	o frable.	oa friable.		AEG Contract No :	Certificale No - HSV/a251/5
						Not suitable for HSV testing - 100 feable	Not suitable for MSV testing - too friable.	Not suitable for HSV testing - insufficiently cohesive.		Not suitable for HSV testing - too friable	Not suitable for HSV testing - too fnable.	Not suitable for HSV testing - too friable		South Tees Development Corporation	SK.
Average	55 (34)	68 (20)	102 (40)	(80) 66	95 (41)				54 (36)				NA.	1	Approved By
4th Result kPa	90	70.	86	\$6	86								beached results green in brackers.	Citent	1,0
3rd Result kPa	09	25	100	98	92				29				Pessel		Checked By
2nd Result kPa	09	70	102	100	92				42					estigation Works	5 017
1st Result kPa	50 (34)	78 (20)	108 (40)	100 (38)	98 (41)				58 (36)					Pravie Sée Ground Investigation Works	Page No >
Depth	2.00	2,80	007	5.00	2,50	2.00	2.50	3.50	2.00	2.50	3.00	3.50		Pra	9
Date	09/04/2020	09/04/2020	14/04/2020	14/04/2020	17/04/2020	16/04/2020	16/04/2020	14/D4/2020	14/04/2020	16/04/2020	16/04/2020	16/04/2020		Contract Title -	Date of Issue - 05/11/2020
Exploratory Hole No.	Section Contract	market his	more let treat	Name and party	Mary Mary	WASHINGTON, MANY	net (According	ent & hear	SIMPLOSO MAIN	entern Cale Stefan	HALL BYEN	manufak,ma		-	Date of

														AEG Contract No ~ 4251	46 HSV/4251/6
Remarks		Not suitable for HSV lesting - too friable.	Not suitable for HSV testing - too friable.		Not suitable for HSV testing - too friable	Not suitable for HSV testing - too Friable				Not suitable for HSV testing - too friable.	Not sugable for HSV testing - too friable,			South Tees Development Corporation	Certificate No.
Average	96 (42)			49 (20)			54 (36)	53 (26)	52 (26)			93 (42)	4	100	- Ag pavavady
4th Result kPa													Residial results given in brackets:	Clark	70
3rd Result kPa	06			45			62	2	Z			96	Bresid		Checked By
2nd Result kPa	86			23			42	56	25			001		estigation Works	B of 7
1st Result kPa	100 (42)			48 (20)			56 (36)	48 (26)	48 (26)			80 (42)		Prairie Site Ground Investigation Works	Page No
Depth	2.00	1.50	2.50	1.50	2.50	3.50	1,50	180	2.80	3.50	2.00	2,00		Hrain	o
Date	09/04/2020	09/04/2020	050545050	06/04/2020	06/04/2020	08/04/2020	07/04/2020	06/04/2020	05/04/2020	06:04/2020	09/04/2020	09/04/2020		Contract Title	Date of Issue > 05/11/2020
Exploratory Hole No.	reason for fresh	tong all, heart	STATE AND THE	terrine March	man he jets	Shell and seems	No.	National Services	Married And Street	SASS AS DUT	The same of the sa	MARKAGONA			MQ.

Remarks	fritable.	frable.				
	Not suitable for HSV lesting - too friable.	Not suitable for HSV leating - Loo friable.				
KP3			83 (42)	103 (46)	51 (20)	53 (18)
кра					42	99
KPa			85	105	25	09
KP.0			DS	100	50	85
kPa kPa			62 (42)	105 (46)	50 (20)	54 (18)
E E	1.50	2.50	1.50	2.50	1.60	250
Date	09/04/2020	09/04/2020	07/04/2020	07/04/2020	16104/2020	15/04/2020
Exploratory Hole No.	Diet and America	No. of Section	WATER STATE	ense, and an	Seat Library	medical period

Photo-ionisation Detector Test Results



parties. On it then had become from the front carrier by became you become for first for first parties out all //

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_BH101	3.00	0.2	27/04/2020	
PRAIRIE AUK BH103	2.50	See Remarks	09/04/2020	<0.1pgm
PRAIRIE_AUK_BH104	5.50	0.2	03/04/2020	
PRAIRIE_AUK_BH105	3.00	See Remarks	16/04/2020	<0 fppm
PRAIRIE_AUK_BH106	5.50	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_BH107	3.00	0.1	24/04/2020	-
PRAIRIE_AUK_BH108	2.50	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_BH109	0.50	2.9	23/04/2020	
PRAIRIE_AUK_BH109	1.00	12.8	23/04/2020	
PRAIRIE_AUK_BH109	1.70	27.6	23/04/2020	
PRAIRIE AUK BH109	2.50	10 B	23/04/2020	
PRAIRIE AUK BH109	3,50	26 1	23/04/2020	
PRAIRIE AUK BH110	3,00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP101	1.00	See Remarks	01/04/2020	40 Topm
PRAIRIE_AUK_TP101	2.20	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP102	0,50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE AUK TP102	1.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP102	1:50	0,1	21/04/2020	
PRAIRIE_AUK_TP102	2.00	01	21/04/2020	
PRAIRIE AUK TP102	2.50	02	21/04/2020	
PRAIRIE AUK TP102	3.00	0,4	21/04/2020	
PRAIRIE AUK TP102	3.50	0.7	21/04/2020	
PRAIRIE AUK TP103	0:50	Sen Remarks	21/04/2020	<0.1ppm
PRAIRIE AUK_TP103	1.00	See Remarks	21/04/2020	<0.tppm
PRAIRIE AUK TP103	1.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE AUK_TP104	1.50	See Remarks	01/04/2020	<0.tppm
PRAIRIE_AUK_TP105	1.20	See Remarks	01/04/2020	<0.1ppm
PRAIRIE AUK TP105	2.50	See Remarks	01/04/2020	<0.1pem
PRAIRIE_AUK_TP106	0.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	1.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	1.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	2.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE AUK_TP106	3.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	1.80	See Remarks	06/04/2020	<0 tppm
PRAIRIE_AUK_TP107	2.90	See Remarks	06/04/2020	<0 tppm
PRAIRIE AUK TP 108	1.00	See Remarks	06/04/2020	<0 tppm
PRAIRE AUK TP108	2.00	1.7	06/04/2020	
PRAIRIE_AUK_TP108	3,00	0.6	06/04/2020	
PRAIRIE AUK TP109	0,50	See Remarks	21/04/2020	<0 tppm

Contract Title:-

Frame Site Ground Investigation Works

Client:-

South Tees Development Corporation



Calibration Compliant - Date of Issue : Page No - T at 6

Checked 87 - Approved By AEG Contract No - 4251



PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	(ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP109	1.00	01	21/04/2020	
PRAIRIE_AUK_TP109	1.50	0.1	21/04/2020	
PRAIRIE_AUK_TP109	2.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP109	3.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	0.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	1.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	1:50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	2.50	0.3	21/04/2020	
PRARIE_AUK_TP110	3.00	0.2	21/04/2020	
PRAIRIE_AUK_TP110	3.50	See Remarks	21/04/2020	<0.1ppm
PRARIE_AUK_TP110	4:00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	4.50	0.1	21/04/2020	
PRAIRIE_AUK_TP111	0.40	See Remarks	22/04/2020	<0 tppm
PRAIRIE AUK_TP111	1.00	01	22/04/2020	
PRARIE_AUK_TP111	1.50	0.2	22/04/2020	
PRAIRIE_AUK_TP111	200.	See Remarks	22/04/2020	<0 tppm
PRAIRIE_AUK_TP111	3.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	0.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	1.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	1.50	See Remarks	22/04/2020	<0 tppm
PRAIRIE_AUK_TP112	2.00	0.5	22/04/2020	
PRAIRIE_AUK_TP112	2.10	0.9	22/04/2020	
PRAIRIE_AUK_TP112	2.70	See Remarks	22/04/2020	<0 ippm
PRAIRIE_AUK_TP112	3,00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP113	1.30	See Remarks	06/04/2020	<0.fppm
PRAIRIE AUK TP114	0.50	7.2	07/04/2020	T-000
PRAIRIE AUK TP114	0.90	130.0	07/04/2020	T.
PRARIE AUK TP115	1.90	See Remarks	08/04/2020	<0 tppm
PRAIRIE AUK TP116	0.50	5.4	23/04/2020	
PRAIRIE AUK TP116	1.30	7,1	23/04/2020	
PRAIRIE AUK TP116	1.60	8.8	23/04/2020	
PRAIRIE_AUK_TP116	2 00	See Flemarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP116	3.00	See Remarks	23/04/2020	<0 Tppm
PRAIRIE AUK TP117	0.50	9.1	23/04/2020	
PRAIRIE AUK_TP117	1.20	10.4	23/04/2020	
PRAIRIE_AUK_TP117	2.00	9.6	23/04/2020	
PRAIRIE_AUK_TP117	20.00	11.1	23/04/2020	
PRAIRIE AUX TP118	0.50	0.2	23/04/2020	
PRAIRIE AUK TP118	1.20	See Remarks	23/04/2020	<0.1ppm
PRAIRIE AUK TP115	1.60	See Remarks	23/04/2020	<o td="" toper<=""></o>

Contract Tale -

Premise Stell Ground Investigation Works

South Tees Development Corporation



Calbration Compliant -Dann of Issue : Page No :-05/11/2020 2016 Approved By :-Checked By AEG Contract No. -4151

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE AUK TP118	2.20	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP119	0.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP119	1.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE AUK TP119	1.50	See Remarks	22/04/2020	<0 tppm
PRAIRIE AUX TP119	2.00	See Remarks	22/04/2020	<0 topm
PRAIRIE AUK TP119	2.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE AUK TP120	0.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120	1.00	See Remarks	20/04/2020	<0 tppm
PRAIRIE_AUK_TP120	1.50	See Remarks	20/04/2020	<0 tppm
PRAIRIE ALIK TP1204	0.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_ALIK_TP120A	1.00	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120A	1.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP120A	2.50	See Remarks	20/04/2020	<0.1ppm
PRARIE_AUX_TP121	1.50	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP122	1.00	See Remarks	08/04/2020	<0.1ppm
PRAIRIE AUK TP123	0.60	See Remarks	08/04/2020	40 tppm
PRAIRIE_AUK_TP124	150	See Remarks	08/04/2020	(O (ppn)
PRAIRIE_AUK_TP124	2.50	See Remarks	08/04/2020	40. Jppm
PRAIRIE_AUK_TP126	2.60	0.2	17/04/2020	
PRAIRIE_AUK_TP127	0.30	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP127	1.40	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP127A	2.80	See Remarks	23/04/2020	<0.tppm
PRAIRIE AUK TP128	0.90	0.9	17/04/2020	
PRAIRIE AUK TP129	210	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP130	1.00	10	17/04/2020	
PRAIRIE_AUK_TP131	1.80	See Remarks	02/04/2020	<0.1ppm
PRAIRIE AUK_TP132	1.30	See Remarks	02/04/2020	<0.1ppm
PRARIE_AUK_TP133	0.20	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP133	0.50	See Remarks	22/04/2020	<0 tppm
PRAIRIE_AUK_TP133	0.90	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP133	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	0.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	1.00	See Remarks	20/04/2020	<0 tppm
PRAIRIE_AUK_TP134	1,50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE_AUK_TP134	2.00	See Remarks	20/04/2020	<0 tppm
PRAIRIE_AUK_TP134	2.50	See Remarks	20/04/2020	<0.1ppm
PRAIRIE AUK TP135	1.30	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP138	0.80	See Remarks	15/04/2020	<q 1ppmi<="" td=""></q>
PRAIRIE_AUK_TP136	2.90	See Remarks	15/04/2020	<0.1ppm
PRAIRIE AUK TP137	1.30	See Remarks	15/04/2020	<0 fppm

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Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP138	1.20	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP139	1.10	See Remarks	16/04/2020	<0:1ppm
PRAIRIE_AUK_TP1398	0.30	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP1398	3 30	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP140	0.50	0.8	23/04/2020	
PRAIRIE_AUK_TP140	1.00	See Remarks	23/04/2020	<0 1ppm
PRAIRIE_AUK_TP140	1.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP141	0.50	0.8	23/04/2020	
PRAIRIE_AUK_TP141	1.00	0.6	23/04/2020	
PRAIRIE_AUK_TP141	2.00	16	23/04/2020	
PRAIRIE_AUK_TP142	0.50	0.8	23/04/2020	
PRAIRIE_AUK_TP142	1.00	3.9	23/04/2020	
PRAIRIE_AUK_TP142	1.50	3.0	23/04/2020	
PRAIRIE_AUK_TP143	0.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP143	1.00	See Remarks	23/04/2020	«O tppm
PRAIRIE_AUK_TP144	0.50	0.8	24/04/2020	
PRAIRIE_AUK_TP144	1.00	1,5	24/04/2020	
PRAIRIE_AUK_TP145	1.60	0.2	14/04/2020	
PRAIRIE_AUK_TP148C	1,30	02	14/04/2020	
PRAIRIE_AUK_TP146¢	2.50	See Remarks	14/04/2020	<0.1ppm
PRAIRIE_AUK_TP147	1,50	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP148A	1.40	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP149	1.30	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP150	0.70	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	0.50	11	23/04/2020	1
PRAIRIE_AUK_TP151	1,00.	0.8	23/04/2020	
PRAIRIE_AUK_TP151	1.50.	0.9	23/04/2020	
PRAIRIE_AUK_TP151	2.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	2.50	See Ranaks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	3:00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP152	0.50	0.3	22/04/2020	
PRAIRIE_AUX_TP162	1:00	16	22/04/2020	
PRAIRIE_AUK_TP152	1.50	0.8	22/04/2020	
PRAIRIE_AUK_TP153	0.60	18	22/04/2020	
PRAIRIE_AUK_TP153	1.00	0.5	22/04/2020	
PRAIRIE_AUK_TP153	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP153	2.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP154	0.50	1.1	21/04/2020	
PRAIRIE_AUK_TP154	1.00	0.2	21/04/2020	
PRAIRIE AUK TP154	1.50	See Remarks	21/04/2020	<0 tppm

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Exploratory Hole No.	Depth (m)	(ppm)	Date Tested	Remarks
RAIRIE_AUK_TP155	0.40	8.1	21/04/2020	
RAIRIE_AUK_TP155	1.00	0.1	21/04/2020	
RAIRIE_AUK_TP155	1.50	See Remarks	21/04/2020	<0.1ppm
RAIRIE AUK TP1564	0.30	See Remarks	14/04/2020	<0.1ppm
RAIRIE_AUK_TP157	0.80	See Remarks	17/04/2020	<0.1ppm
RAIRIE_AUK_TP158	1.30	See Remarks	17/04/2020	<0.1ppm
RAIRIE_AUK_TP159	0.60	See Remarks	16/04/2020	<0.1ppm
RAIRIE_AUK_TP160	1:00	0.7	21/04/2020	
RAIRIE AUK TP160	1 50	See Remarks	21/04/2020	<0.1ppm
RAIRIE AUK TP161	0.80	0,8	20/04/2020	
RAIRIE_AUK_TP161	2.00	See Remarks	20/04/2020	<0.1ppmi
RAIRIE_AUK_TP162	1.70	See Remarks	14/04/2020	<0.1ppm
RAIRIE AUK TP163	1.20	45	14/04/2020	
RAIRIE_AUK_TP163	1.90	2.1	14/04/2020	
RAIRIE AUK TP164	0.70	See Remarks	16/04/2020	<0.1ppm
RAIRIE AUK TP164	1.30	See Remarks	16/04/2020	<0.1ppm
RAIRIE AUK TE165	1.00	See Remarks	15/04/2020	
PRAIRIE ALIK TP165	3.30	See Remarks	15/04/2020	<0 tppm
RAIRIE AUK_TP166	0.50	0.2	20/04/2020	
RAIRIE AUK TP166	1.00.	See Remarks	20/04/2020	<0.1ppm
RAIRIE AUK TP167	2.50	See Remarks	15/04/2020	<0.1ppm
PRAIRIE AUK TP168	0.05	See Remarks	09/04/2020	<0.1ppm
RAIRIE_AUK_TP169	1.50	See Remarks	15/04/2020	<0.1ppm
RAIRIE AUK TP170	0.50	See Remarks	21/04/2020	<0 topm
RAIRIE AUK TP170	1.00	17.5	21/04/2020	
PRAIRIE AUK TP170	1.50	2.1	21/04/2020	
RAIRIE AUK TP171	0.50	1.4	20/04/2020	
PRAIRIE AUK TP171	1.00	13	20/04/2020	
RAIRIE_AUK_TP171	1.50	See Remarks	20/04/2020	<0 (ppm
RAIRIE AUK TP172	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE AUK TP173	0.90	See Remarks	09/04/2020	<0 tppm
RAIRIE AUK TP174	0.90	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP174	1.60	See Remarks	08/04/2020	<0 tppm
PRAIRIE AUK TP175	080	101.1	06/04/2020	
RAIRIE AUK TP175	1.80	5.3	06/04/2020	
PRAIRIE AUK TP176	0,90	1.1	07/04/2020	
PRAIRIE AUK TP177	0,60	1.1	07/04/2020	
PRAIRIE_AUK_TP177	1,90	See Remarks	07/04/2020	10.1ppm
PRAIRIE_AUK_TP178	0.80	See Remarks	66/04/2020	<d td="" tppm<=""></d>
PRAIRIE AUK TP179	1.40	38	09/04/2020	

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