TRIAL PIT RECORD **FINAL** 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 2 of 4





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 Start Date: 28/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Sheet: 3 of 4

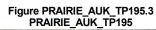




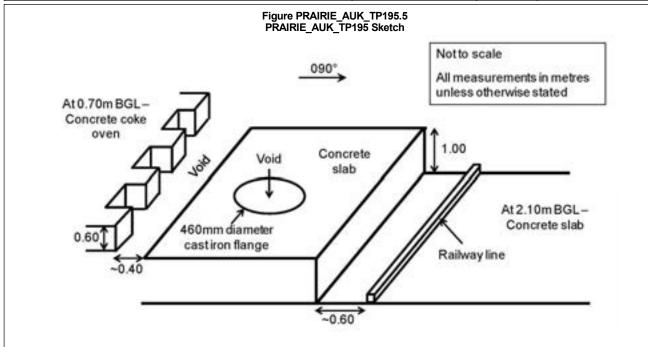
Figure PRAIRIE_AUK_TP195.4 PRAIRIE_AUK_TP195 - Spoil



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_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



Location:

Status:-

FINAL

Exploratory Hole No.

PRAIRIE_AUK_TP196A

	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
6		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

South Tees Development Corporation

Client:

Backs of Constant	4)-							36.008 N:52096		and Date:	01				
Method (Equipm		e Excavated (36	0 Trac	ked Exc	cavator)		Ground	d Level (m): 11.190		tart Date: 29/04/2020	Sheet:	1 of 4			
SAM	/IPLES &	TESTS					STRATA								
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)									
1.40	ES1			9.79 9.59	XXXXX	(1.40) - 1.40	MADE COOLIND (Proving grove and a grovel with madium ashble								
				9.19		(0.40)	and includ angular a vesicular sheen not	des slag. Gravel nd include slag. grey/grey green. ted).	slag co Cobble Strong	ontent is 75 e slag conte g hydrocarb	i-100%. ent is 75 oon/cred	Cobbles are i-100%. Slag is esote odour and			
							from strat	n grey mottled based a above. at 2.00m BGL.	olack Cl	LAY. Hydro	carbon	contamination			
		PLAN 3.00 Face A			٠.		GROUNDWATER Saturated strata at 1.80m BGL (Heavy inflow)								
		Orientation		٦											
Face D				ัด บ	2.10 —	STABILITY Pit sides and base moderately stable throughout excavation.									
		Face C			_1										
ADDITIONAL INFORMATION							RAL REMA								
Sketch Diag	Sk	ken		(1) Tria	ii pit excavat	ed on slope.									
Photograp	Photographs: Yes See additional sheets.														
	All dimensions in metres For explanation Scale 1:50 abbreviations s						ols and heets	Checked I	by:	Logged D. Portsn	by: nouth	Contract No. 4251			

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.2
PRAIRIE_AUK_TP196 (Section A towards Section B)



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

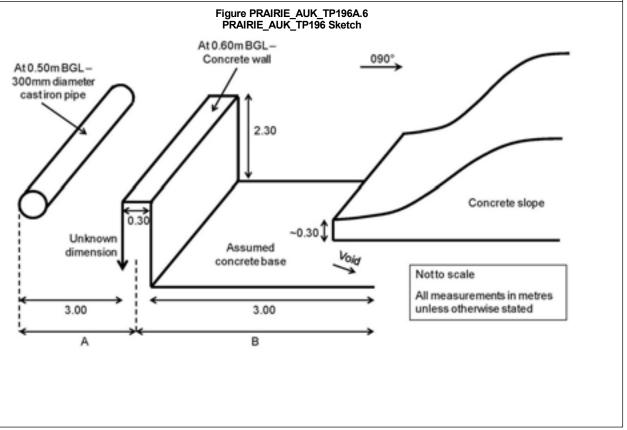
4 of 4



Client:

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





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: 0 Tel: 01772 735 300 Fax: 0
Œ		TRIAL PIT RECORD	
Ductout			

¢:					TR	RIAL P	IT F	RECORD			FINAL
Project:			Exploratory Hole No.								
Client:	South Tees Development Corporation						1:	E:454436.008 N:520967.8	320	PRAIRI	E_AUK_TP196B
Method (Equipment): Machine Excavated (360 Tracked Excavator)								Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet:	1 of 5
SAM	SAMPLES & TESTS					STRATA					
		_									

Method (Equipment):							ound Level (m):	Start Date:	Sheet:				
	ine Excavated (36	30 Trac	ked Exc	cavator)			11.190	29/04/2020	Onect.	1 of 5			
SAMPLES	& TESTS						STRAT	Ā					
Depth Type	e Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Depth Thickness) Description							
					(1.20)	coarse	GROUND (Grey s. Gravel is fine to content 50-75%. Colontent is 75-100%.	oarse subangula obles are angular	r and incl	udes slag. Gravel			
		 	9.99		(n.70)	boulde slag. C include	GROUND (Grey g or content. Gravel is Gravel slag content e slag, concrete and ers are subangular cular).	s fine to coarse su is 25-50%. Cobb d metal. Cobble s	ubangula les are si slag conte	r and includes ubangular and ent is 50-75%.			
			8.29		2.90	Termir	ated at 2.90m BGL	- due to concrete	obstructi	ion.			
					-								
					-								
-	PLAN 3.00 Face A			1		NDWA7 ed strata	ER at 1.80m BGL (hea	vy inflow).					
Face D	Orientation		Ω C	2.10	STABIL	IITV							
	Face C		Ċ				se moderately stable	e throughout excav	ation.				
ADI	ADDITIONAL INFORMATION						MARKS avated on slope.						
Sketch Diagram:	Sketch Diagram: Sketch Taken						тись он эюре.						
Photographs:	Photographs: Yes See additional sheets.												
	All dimensions in metres Scale 1:50 For explanation abbreviations						Checked K.W	by: Logge D. Ports	d by: mouth	Contract No. 4251			

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





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 Start Date: 29/04/2020 Method (Equipment):

Machine Excavated (360 Tracked Excavator) Ground Level (m): 11.190 4 of 5



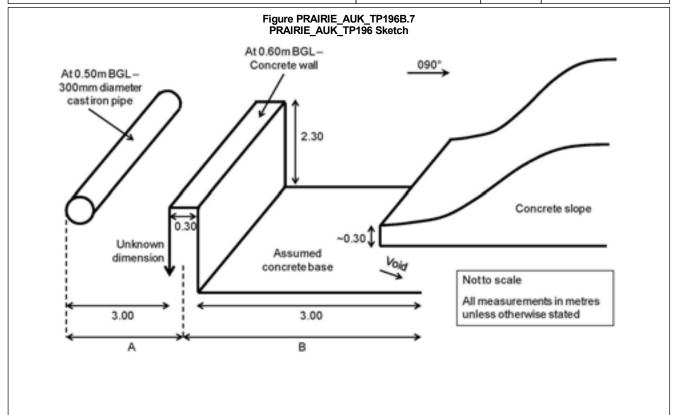


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01972 735 300 Fax: 01772 735 999

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



♠	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
Ğ		TRIAL PIT RECORD	
Project:		Prairie Site Ground Investigation Works	

FINAL

Status:-

Project: Prairie Site Ground Investigation Works											Exploratory Hole No.		
Client:	South Te	es Development	Corpo	ration		Location					PRAIR	IE_AUK_TP197	
Method (Equi	ipment):						E	:454449.745 N Ground Level (m):		Start Date:	Sheet:		
	Machir	e Excavated (36	0 Tracl	ked Exc	cavator)			11.39	96	29/04/2020		1 of 4	
S	AMPLES 8	k TESTS						Ş	STRATA				
Depth	Type No	Test Result	Water	Reduced Level		Depth (Thickness) Description							
				9.60		1.80) - - (1.00) -	MAI bou incli san Cob met incli	tent. Sand is firrse subangular crete. Gravel slude red brick, cg is vesicular graph DE GROUND (lder content an udes ash. Grav dstone, red brick	Brown grey and metal (gircel is fine to cock and include grey).	and includes a slag, sands is 25-50%. Co I slag. Cobble very gravel a ders). Sand is coarse subar rete. Gravel s de red brick, 0-25%. Bould ular grey).	ash. Gratone, red obbles are e slag con md cobble s fine to congular and concrete, ers are a	brick and e angular and ntent is 0-25%. es with low coarse and d includes slag, ent is 25-50%. slag, wood and ngular and	
		PLAN 4.00				GROU Saturat		/ATER rata at 1.80m BG	GL (heavy infl	ow).			
		Face A			1								
0		Orientation		مِ م	[]_ <u></u>								
—————————————————————————————————————							STABILITY Pit sides and base moderately stable throughout excavation.						
		Face C											

ı							
	ADD	ITIONAL INFOR	MATION	GENERAL REMARK			
	Sketch Diagram:	SI	xetch Taken	(1) Trial pit excavated (2) No samples taken. (3) Trial pit excavated following sketch.	•	ng various subsurfac	e structures - refer to
	Photographs:	Yes	See additional sheets.				
- 1					Oh a alka al lassi	I ammad bun	Caratus at Nis

Checked by: Logged by: D. Portsmouth Contract No. 4251 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_TP197 South Tees Development Corporation E:454449.745 N:520922.379 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 29/04/2020





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

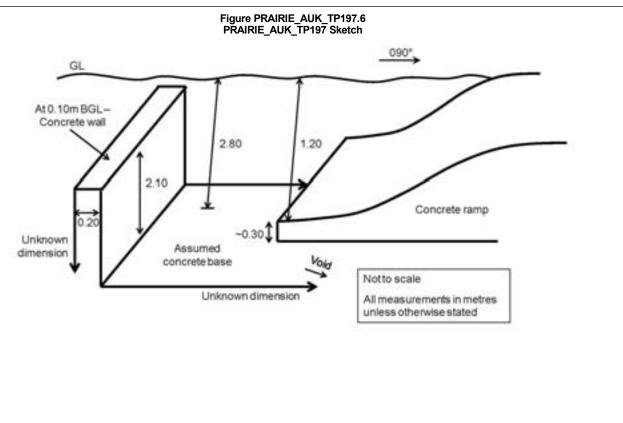




Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 909

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





ffice: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Tel: 0191 387 4700 Fax: 0191 387 4710 I 0ffice: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 735 999

- 4	A.
•	•
E	=
-	
ſ.	3
	9

TRIAL PIT RECORD	Status:- FINAL
	ll l

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 10.34 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 Key Sheets

K.W

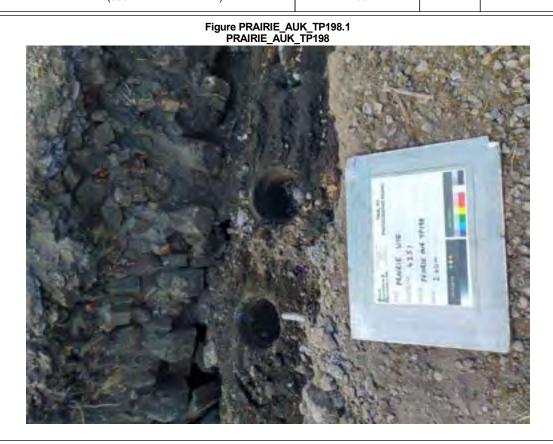
D. Portsmouth

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 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 27/04/2020 Ground Level (m): 12.937 3 of 7





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 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



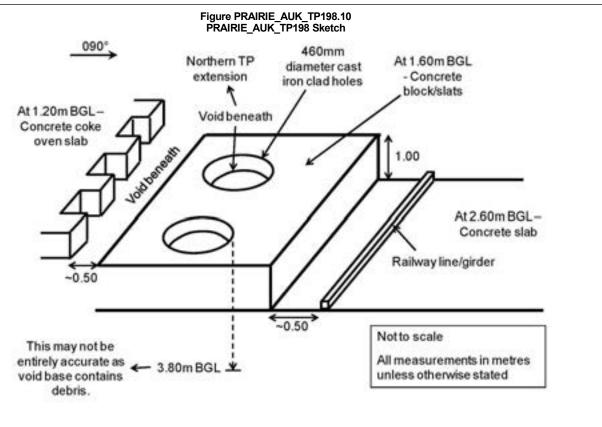


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Fax: 01972 735 399



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 Start Date: 27/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) Ground Level (m): 12.937 6 of 7



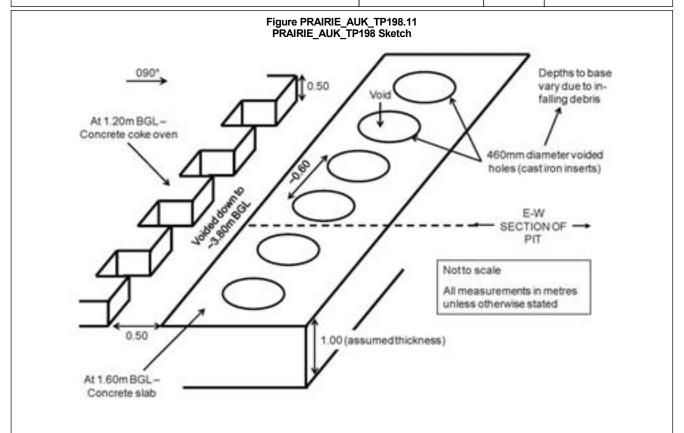


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 01972 735 999

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



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: 01772 735 300 Fax: 01772 735 999

- 4	L
	n.
	_
E	
ŀ	
-	_

Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP199 South Tees Development Corporation E-454465 130 N-521024 300

						5.130 N:521024.30			
Method (Equipment): Machine Excavated (3	60 Trac	ked Exc	cavator)		Ground Le	evel (m): 13.209	Start Date: 27/04/2020	Sheet:	1 of 4
SAMPLES & TESTS						STRATA			
Depth Type Test No Result	Water	Reduced Level	Legend	Depth (Thickness)		De	escription		
		9.41		- 0.20 - (2.80) - 3.00 - (1.20) - 5.00	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). 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). Firm to stiff red brown grey slightly sandy CLAY. Sand is fine to medium. Complete at 5.20m BGL.				
PLAN 8.00 Face A Orientation 090° Face C	Face A Orientation 090° B B 1 20 B B D D D D D D D D D D D						ughout excava	ation.	
ADDITIONAL INFORMATION Sketch Diagram: Sketch Taken Photographs: Yes See additional sheets.					RAL REMARI ious subsurfac samples taken	e structures exposed	during exca	vation - r	efer to following
All dimensions in metres Scale 1:50	For exp abbrev	lanation iations s	of symbo	ols and heets	Checked by:	Logged D. Portsr		Contract No. 4251	

Status:-

Ġ	TRI	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: 2 of 4

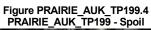




TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP199 South Tees Development Corporation E:454465.130 N:521024.309 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 27/04/2020 3 of 4







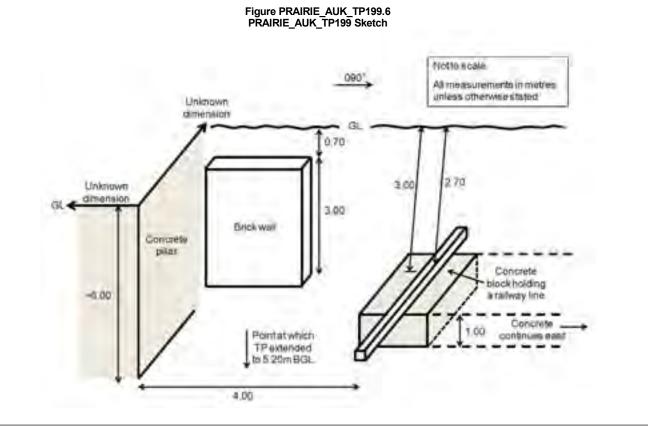


Head Office: Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG Regional Office: Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL Tel: 0191 387 4700 Fax: 0191 387 4710 Tel: 01772 735 390 Fax: 01772 735 399



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 Start Date: 27/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) Ground Level (m): 13.209 Sheet: 4 of 4





- 4	ı.
-	ъ.
-	_
æ	
L.	
_	_

TRIAL PIT RECORD

Status:-**FINAL**

Project: Prairie Site Ground Investigation \								ion Works					Exploratory Hole No.	
Client: South Tees Development Corporation							Location:						RIE_AUK_TP200A	
Method (Equipment): Machine Excavated (360 Tracked Excavator)							E:454446.479 N:521086.026 Ground Level (m): Start Date: 28/04/2020				tart Date:	Sheet: 1 of 6		
SAN	TESTS				STR	ATA								
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)								
				9.53 9.773		- 0.20 	conte Grav conci red b MAD conte coars brick, and y at c.0 MAD and ii ash, at c.2	ent with rel is fine rete. Sla wrick. Sla is E GROLent. Sance se subara. Slag coyellow bro.20m B0 E GROL ncludes clinker, common general services and services ar	many root to coarse g content g is vesice JND (Brow d is fine to a gular and content is 2 rick and coars. JND (Blacash. Gravocke and in GL cond	lets. Sande subanguis 25-509 ular grey) wn grey wow or coarse at includes 5-50%. Concrete. Screte encek grey savel is fine red brick) crete in wow sandy Coandy Coa	d is fine to cular and incide. Cobbles ery sandy gend includes slag, concuobbles are countered - endy gravel. to coarse s	coarse a ludes slare angular sash. Grete and angular cular greextende Sand is subangular of pit - p	d pit west. s fine to coarse lar and includes pit extended.	
		PLAN					JNDW#		observed.					
# 		13.00 Face A Orientation		Tag Ce	5.00	No gro	undwat	er intiow	observed.					
Face		Face C		о О		STABI Pit side		base stab	ole through	out excav	ation.			
ADDITIONAL INFORMATION Sketch Diagram: Sketch Taken					(1) Tria (2) Struthe san Structu (3) Van PRAIR	GENERAL REMARKS (1) Trial pit extended west on slope. (2) Structures exposed when extending pit west which were backfilled with material the same as between 0.20-1.00m BGL but with medium boulder content (concrete). Structures bottomed out at 3.50m BGL. (3) Various structures exposed during excavation - refer to sketch following PRAIRIE_AUK_TP200B.								
Photographs: Yes See additional sheets. All dimensions in metres For explanation of							(4) No samples taken. of symbols and Checked by: Logged by: Contract No. see Key Sheets K.W. D. Portsmouth 4251							
Scale 1:50 abbreviations se						ee Key Sheets K.W D. Por					ט. Portsr	nouth	4251	

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





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 Ground Level (m): 10.527 3 of 6





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.6 PRAIRIE_AUK_TP200



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



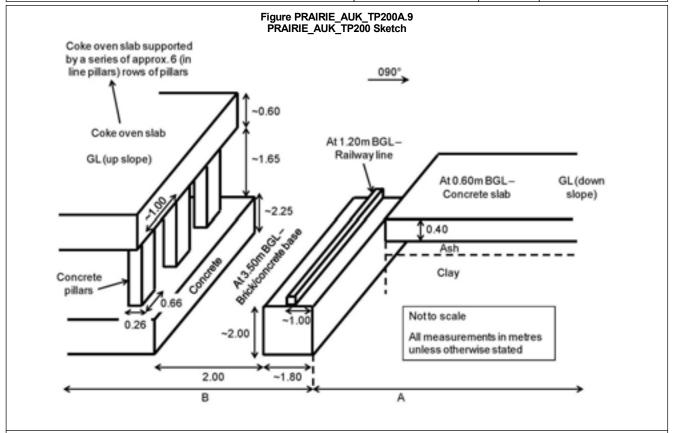


Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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		Head Office: Regional Office:	Unit 25 Ste Unit 20 Bus	lla Gill Indust	trial Estate, Pe	elton Fell, Ches e, Eanam Whar	ter-le-Stre f, Blackbi	eet, Co. Durham, Durn, BB1 5BL	DH2 2RG Tel	l: 0191 387 470 l: 01772 735 30	00 Fax: 0191 387 00 Fax: 01772 73	7 4710 35 999	
	TRIAL PIT RECORD										Status:- FINAL		
Project: Prairie Site Ground Investigation Works											Exploratory Hole No.		
Client:	South Te	es Development		Location	Location:					PRAIRIE_AUK_TP200B			
Method (Equipment): Machine Excavated (360 Tracked Excavator)							E:454446.479 N:521086.026 Ground Level (m): Start Date: Sheet: 28/04/2020 1 of 6						
SA	MPLES (& TESTS					STRATA						
Depth	Type Test			Reduced Level Legend (Depth (Thickness)				Des	cription		
NO Result S Level 10.33						3.50	con Gra con red MAI and is fii yelld inclusion and an administration and administration administration administration administration and administration administra	tent with m vel is fine to crete. Slag brick. Slag DE GROUN boulder come to coars ow brick. Sl	any rootlet o coarse s content is is vesicula ND (Brown ontent. Sar e subangu lag conten d yellow bi te. Slag is	ts. Sand subangula s 25-50% ar grey). n grey ven nd is fine ular and i nt is 25-50 rick and o	is fine to c ar and inc . Cobbles ry sandy g to coarse includes s 0%. Cobbl concrete. I ir grey).	ravel with medium cobble coarse and includes ash. ludes slag, sandstone and are angular and include ravel with medium cobble and includes ash. Gravel lag, concrete and red and les are angular and Boulders are angular and	
		PLAN 2.00 Face A			1			ATER at 3.50m B0	GL (slight ir	nflow).			
O Orientation 5.00 B Face C							STABILITY Pit sides and base stable throughout excavation.						
					•								
	ADD	ITIONAL INFORM	OITAN	N		GENE	RAL I	REMARKS					
Sketch Diagram: Sketch Taken													

ADD	ITIONAL INFOR	MATION	GENERAL REMARK	KS		
Sketch Diagram:	Sk	etch 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

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) 2 of 6







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





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 735 999

Project:

Client:

Status:-

4 of 6

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 Method (Equipment): Machine Excavated (360 Tracked Excavator) Start Date: 28/04/2020 Ground Level (m): 10.527





Figure PRAIRIE_AUK_TP200B.6 PRAIRIE_AUK_TP200



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

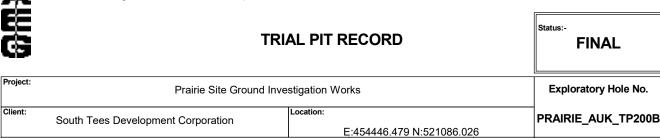
TRIAL PIT RECORD **FINAL** Project: Exploratory Hole No. Prairie Site Ground Investigation Works Client: Location: PRAIRIE_AUK_TP200B South Tees Development Corporation E:454446.479 N:521086.026 Method (Equipment):
Machine Excavated (360 Tracked Excavator) Start Date: 28/04/2020 Ground Level (m): 10.527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

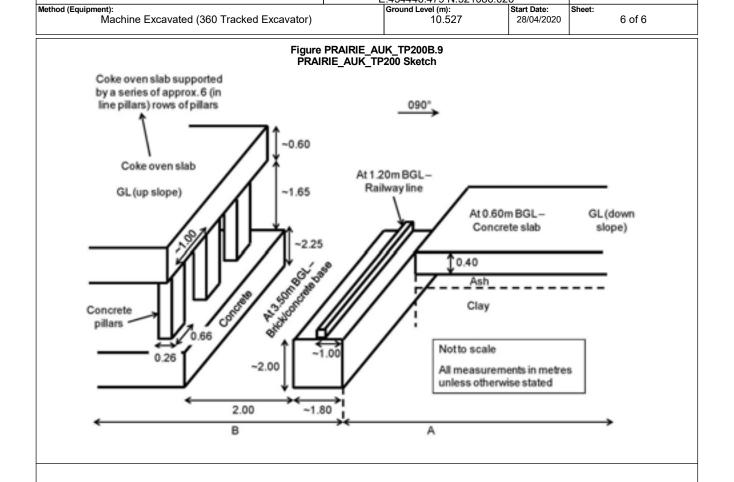




Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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





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

Status:-

_	Ŋ.
	М.
E	
•	
	4

TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP201 South Tees Development Corporation E:454512.591 N:520927.507
| Ground Level (m): | Start Date: Method (Equipment):

Method (Equipm		Excavated (36	0 Trac	ked Fxc	cavator)		(Ground Level (m): 15.534	Start Date: 28/04/2020	Sheet:	1 of 3	
		,	T	T Z					20/0 1/2020			
SAN	IPLES &	TESTS			1	STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			Description			
3.60	ES1			14.13 12.53		(1.20) R P P A A A A A A A A A A A A A A A A A	MAD MAD MAD MAD MAD MAD MAD MAD	DE GROUND (Brown gred is fine to coarse and in angular slag, sandstone is vesicular grey). DE GROUND (Brown blactored as a sandy grave ominantly ash. Gravel is and clinker). DE GROUND (Brown gred) is coarse subangular and red and yellow brick. Slatinclude red and yellow brick. Slatinclude red and yellow brick is fine to coarse subangular and include red and since the content. Sand is fine to earse subangular and and sandstone. Coarse subangular and yellow brick and sandstone. Coarse subangular and yellow brick and sandstone. Coarse subangular and yellow gred) is fine to coarse subangular and yellow gred) is fine to coarse subangular and yellow gred) is fine to gradient above due to gradient above due to gradient supplete at 4.40m BGL.	and concrete. ack grey compa el. Sand is fine fine to coarse ey yellow very s to coarse and di includes slat ag content is 0- prick and concre ey very clayey to coarse and angular and inc bbles are angular s strata is mixe	ravel is fill Slag con acted ash to coarse subanguandles graincludes g, concre 2.25%. Co ete. Slag sandy grais predon ludes asillar and ill	ne to coarse tent is 25-50%. /clinker. e and ular and includes evel with high ash. Gravel is te, sandstone bbles are angular is vesicular avel with high ninantly ash. h, clinker, coke, nclude sandstone	
		PLAN				GROUNE		ATER ter inflow observed.				
-		4.00 Face A			1	No ground	uwal	to minow observed.				
Face D		Orientation 090°		Tace D		STABILIT Pit sides a		base stable throughout ex	cavation			
		Face C]	i it sides a	anu i	sass stable unoughout ex	odvation.			
	ADDIT	IONAL INFORM	MATIO	N		GENERA	AL R	REMARKS				
Sketch Diag			etch Tak					ccavated into a raised eart	h bund. All mea	surement	s taken from top of	

See additional sheets. Photographs: 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

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 735 999

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_TP201 South Tees Development Corporation



E:454512.591 N:520927.507



Figure PRAIRIE_AUK_TP201.2 PRAIRIE_AUK_TP201



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** 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	Certificals No - GWGWSI4251H -
	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	4.32	8.47								South Tees	Approved By
Depth After 15 mins	2.50	13.11	2.90	5.63	8.76	Ī							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									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		DS/11/2020
Exploratory Hole No.	DRAFT ALK BITTIN 2	PRABE ALL BAYOT 2	THAN TAN SHIPS	PRACTICAL BATCH	WASE ME THIS 2	SAME AUN TRIBE	O SELECT MANUAL BRIDGES	PRAFIT, NON, ITHE 2	PRAIRE_AUN_TETTS 0	PSANIE AUR THUS D	PRAKE AUNOPITE 2	MILES MUN TENSIN 2	Contract Tate	Date of issue

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

													AEG Contract No 4251	GWOWS\4251/2
Remarks	Water strike	Water stoke (Heavy inflow)	Water strike.	Water strike	Water strike	Water strike	Water strike.	Water strike.	Water strike	Water strike (Heavy Inflow)	Perchad water;	Water strike	South Tees Development Corporation	By Certificate No.
Depth After 20 mins												Î	South Tees D	Approved By
Depth After 15 mins													Clent	
Depth After 10 mins													0	3/
Depth After 5 mins	1				П									Checked By -
Total Time (mins)														O
Final Depth (m)										1,600			pation Works	2013
Depth Sealed (m)													und trivestig	X.III
Casing (m)													Prairie Site Ground Investigation Works	Page No.
Depth of Water (m)	08'0	0.30	090	1,70	1.90	1.40	0.30	0.50	08.0	8	1,60	0.60	Pris	0
Date	05/04/2620	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	. · · ·	06/11/2020
Exploratory Hole No.	PRUPE AUR THEN 09	PRABE ME THIS OF	PRAMINE ALM, TRY 20	SEAST ALK THE! Z	Severe was Trible Of	PEACH ALK TRICK	PRIME MAKETHISK TO	SOARIE AUR TRUST	PRASE ALK THING T	PRARIE MAS TITLE 2	The and the treat	T RELEASE AND THIRDS TO	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 running 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	П					Chem
After 10 mins						ū
After						
Time (mins)					H	
Depth (m)						ation Works
Sealed (m)						pitseval pur
Casing (m)						Prinine Site Ground Investigation Works
Water (m)	1,00	1.00	0.80	120	3.50	Prof
Date	17/04/2020	17/04/2020	16/04/2020	16,04/2020	25/04/2020	7.00 ×
Exploratory Hole No.	PRINCE AUX, THISTR	PRIAME JAIN, TR158	phone also person	PRINCE ALS THISEA	THANK AUN THOOGS 25/D4/2020	Contract Title >

Martitles (Art Stem of Feature State Feat Owner action to Duran 1997) for 2017 of State Art 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 19147	23/04/2020	2.60	Groundwater seepage.
PRANS ALK TOTAL	23/04/2020	1.40	Groundwater seepage.
PHARE AUX 1912	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.
PRAME ALA_TP141	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, TRANS	16/04/2020	170	Slight groundwater seepage.
MARK AN THE	21/04/2020	0.80	-Saturated strata (Slight inflow).
PRANE NO THIS	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).
FRASE ACH, TOTTA	08/04/2020	2.00	Slight groundwater seepage
PRAIRE_AUX_TP115	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	Date of Issue :	Page No -
GWOS/4251/1	05/11/2020	1 of 2
Checked By >	Approved By -	AEG Contract No. :- 4251

Seat URSec United Street of Francisco Falls From Fall Character Contract Date (Sec 1997 Ser 1997 Fall Character Char

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

Monitoring Point	Date	Depth (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 TF181	09/04/2020	1.70	Saturated strata (Slight inflow).
PRANTE AUX_TF182	09/04/2020	1.10	Saturated strata (Slight inflow).
FRASE_AUS_THE	07/04/2020	1.00	Saturated strata (Moderate inflow). Possibly backfilled cellar/basement
PROBLE AUX THE	08/04/2020	1.70	Saturated strata (Heavy inflow).
FRANKE AUX_TITES	07/04/2020	1.30	Perched water (Slight inflow)
MARKE AUK_THISE	01/05/2020	1.10	Saturated strata (Slight Inflow).
PRAGE_AUF_TRIES	30/04/2020	0.60	Saturated strata (Slow inflow)
RARE AUT TPIEU	29/04/2020	1.50	Saturated strata (Moderate inflow)
PRANCALS TRIBLE	29/04/2020	1.80	Saturated strata (Heavy Inflow)
AND THE PART OF TH	29/04/2020	1.80	Saturated strata (Heavy inflow).
PRASE ALK TRIDES	29/04/2020	1.80	Saturated strata (Heavy inflow)
PHASE NIK 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



GROUNDWATER MONITORING RESULTS

Miniming Post	Data and Time	Depth and Type of Well	Ground Level (mAOD)	(wBGL)	Reduced Vister Level (mAOO)	Remarks
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	6.95	
NAME AIK 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	9.86	
HARIE AUK BHIOT	30/06/2920 09:23	16 Siles 50mm SP	8.64	1.64	T (0Q)	
MARKE AK BHIOZ	06/05/2020 00:00	7.20m 50mm SP	9.21	110	711	
HARE NK 3HKS	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	30/05/2020 11 01	18.50m 50mm SP	610	621	249	
RAHE AM BHO	06/05/2020 50:00	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

GWMR425	Date of Issue - 05/11/2020	Page No 1 of 2
Checked By E	Approved By -	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)	Value Depth (mBGL)	Reduced Water Level (mADD)	Remarks
HAME_AUK_SHIDE	30/06/2020 11:28	10 dom 50mm SP	871	3.28	5.0	
TARE AK POST	05/05/2020 00:00	8 00m 50mm SP	10.16	3.16	7:00	
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	(7/72)	
PRAIRE AUT BHISE	90/06/2020 11:55	\$.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	
PRASTE AUX DITTO	08/05/2020 09:00	20.80m 50mm SP	7.60	4.00	3,60	
PRASS_LIK_SONT	15/08/2020 12:23	20.60m 50mm SP	7.60	1.84	3 96	
PRAIRE NO BHIT	50/66/2020 39:46	20.60m 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

A Cedit	icate No -	Date of issue -	Page No :-
27	GWMR/4251/2	05/11/2020	2 of 2
Chies	ked By -	Approved By -	AEG Contract No :-
œ	LC	8CW	4251

Gas Monitoring Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

, i														AEG Contract No :- 4251	Certificate No MON/4251/1
(multi)	,	970	P	G to	2	96	B- 6	8 6	D 6	92	41.0	D/G	= Steady - (D) = Decline.	E0	
(sudd) abuding switcup/s		0.1	10	(0)	5	9	3	0	T.	Ę	3.5	t, e)	Pendy-(D	South Tees Development Corporation	2
201.54	Ē	19.6	8	\$0.9	8	8	8	8	18.0	76	g.	9	A - (5) = 1	menic	3
unthing	(0)	100	68	er R	88	ŝ	8	8	1916	2	Ř	2	(P) = Peak - (S)	dojava	. 4
A/A (A) HORROW	ij.	ě	0.1	Ÿ	ñ	1.0	0.3	0.1	2.0	6.0	6.0	0.0	* Standpips - SPIE * Standpipe Pezometer,	G see D	Approved By
CMEON	E	-	10	2.0	10	0.0	1.0	1.0	6.0	0.3	ě	0,0	plac Pa	dhoo	App
7371%	ē	0	0	9	2.0	0.0	0	9.0	0.1	9	0	97	r Sand	. "	
instituti	E	6	9.0	2	2.0	t t	0	0.0	20	0	90	0	pa . Smi	Client	
AKS	8		*	0.0	5	6	#0	0.4	1.0	1.0	0.4	t g	Standpl		1 ×
e-mann	€	0.4	9	7	5	ē	0.0	8.0	ā	10	4.0	1.0	35		3
Despuis after sommerca p	ITA MR	403	1024	1028	NO.	180	1028	8	1918	1001	(81)	1018	other details.		Checked By
Property (41.13	181	77	6,33	100	¥7	10.75	400	15.0	44.5	800	and any out		Chec
SPAN W	na.	-4	40	90	0.1	19	27	47	70	170	90	20	r Mödel No		
(OCIVA) is	DeG Lev	9.64	200	7.44	178	1,21	279	2.30	7107	51.0	3400	244	rifficate to	on Work	a.
(HORN)	(AV)	2.50	320	110	p.kg	0.00	42.5	D7-0	4.00	621	9.40	4.49	Bratton Co	estigatio	1.013
My Layer (CICAN		200	200	173	12.0	12.0	7.68	670	07.0	0.10	828	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 50mm Sp	8 50m 50mm 5p	18.58m 30mm 59	18 50m	16.50m 30mm 50	H 80m Some Si	11 John 59	See at	Piairie Site Ground investigation Works	Page
in The	Test	#.	72	2	2	9	2	2	2	2	2	2		Pra	
lumpio autor	0	2	2	Z	Overses	Design	2	ž	District	Oversed	2	Oversal			05/11/2020
De es	o	00000	00.00	00,00	15002300	2000/0000 06:10	00,00	00.000	14.25	1000	00.00	16.29		Contract Title >	
(hales		WARE SAL DOOR	mune, Jun, Jeroti	miles in bes	related, Aug. Dects	FINANCE ALL SHIPS	PROPERTY (BITTE)	PROBEE JAIN, SHIDS	STATE STATE STATE	WHITE ALK SHITS	direct and means	PROJECT ALK SPINS			Date of Issue

ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

Ometimes														AEG Contract No > 4251	Certificate No.:- MON/4251/Z
(hidd) youdpute Chippin		24	914	20	22	3.0	572	91	40.0	2	315	4.	* Decline.	u u	
(mild) ecusy) milds:4		, F	04	0.0	0	94	£.	0	b.	e e	r.	0.	· Standy - (D) + Decline	South Tees Development Corporation	
AA S	(3)	E 65	F F	2	20.0	461	16.9	9.0	20.2	3	20.0	Ē	K - [2] - 8	neut C	3
AN E	60	2	8	2	g.	100	9	9 9	g	200	20.6	ā	art details. SP = Standpipe - SPE = Standpipe Plecometer, (P) = Peak - (S)	welopi	£ 4
Art In opixolog	6	20	9.	0.7	ů,	2.0	27	<u>m</u>	4	9.6	6.3	41	consiser.	ees D	Approved By
Cathon	f	9.5	D.f.	10	3.0	10	3.2	9.6	70	0.4	0.1	0.1	pipe Plac	South T	App
131%	Ü	D 77	0	0	70	0.0	ė.	0	40.0	20	420	100	- Stand	93	
enertaki	ē.	å	0.4	50	ę.	90	n n	40	2	0.74	40.00	00	Ser. SPE	Clent	
ANN	8	ő	+0	10	9	4	10	0.1	0.8	0.7	ô	W D	Standpi	0	1
energelyt	6	ŷ.	9.0	20	Ÿ	10.	ř.	10	0.0	4.0	ē.	60	48.80		. 7
(MERNATA)	ETA WA	\$	Top	1018	2001	1221	1018	1001	(\$)	1016	2001	1027	Own deta		Checked By
(mgu)	va.	900	39	150	210	82.77	92.0	200	08.4	8 9	0.24	\$1.57	No. and any off		Ohea
lays abort no	e.	5	90	0	9	939	÷	2.0	7	, n	0.0	4.4	r Modell No		
(OOTW) PO	78A 1999	3.76	4,77	5.0	245	700	*	127	8	772	13.5	2,68	See attached Calibration Certificies for Model	on Work	m
(15)But (15)But (15)But	in.	433	3.6	27	3750	916	323	3.0	2.30	ŧ	報	9.00	beatlon Ce	estigatio	2013
loove every series	neg.	N.	871	677	877	20.05	200	8 2	8	8	2	N	tached Cal	vul puno	No
SIMPLES BE	00	10.00e 30em (p	10 mag	Hadden Samuelle	th colors Spreak to	8.00m 50mm 5P	acon Some se	300m 50mm 5c	d Born	19mm SPIE	6.00m 19mm 678	14 00 hr 00 m Sp	See	Prairie Site Ground Investigation Works	Page No.
NAMES OF	m/L	#	2	9	ž.	#	ę	#	#	#	2	2		Pra	
i de la production de la constantion de la const	D.	Stewart St	2	Descried	Oversen	ž	Counts	Overfall	Par	Oversas	Destable	2			05/11/2020
mes sta	o	2.08	0000	15,08,000	11.25	000000000000000000000000000000000000000	13.06.2000	30062020	000000000	15.17	35000000 11 56	00'00		Cootract Tille in	Issue >
interest	20/1	Shed on Section	Mana, Aux, British	THAME ALK SHINE	PRUSE AUCTOR	The period	State And States	TOTAL SALES	BING MA PRIDA	Phase, Sue, Impa	mann, as broth	PRINCE ALS, SHIRM			Date of Issue >

ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

nday.							
(mith) attriously		E .	9.0	40.0	3.0	Ř	611
(sudd) apudyg ueComis		2	0	0	1.0	ş	+1.0
Alta	Ø.	6.0	18.4	101	8	2	60
MAN.	Ġ	16.0	18.6	4	20.4	11.0	9.0
NAME OF THE PARTY	451	.5	9.0	4 0	50	22	*
999R2	4	9.0	(6) (4)	9	0.1	20	*0
TET %	0	9.0	20	904	100	2.0	0 11
intercenty	Œ.	0.6	0.0	100	400	0.7	0.0
AN S	103	40	6	0	60	ú	5
	£	2.4	ě	2.0	40	4	0
Section 1997	TTA EF	1201	1401	120	800	1014	100)
Amount Scribbins		8	0.00	4	8	200	7
sprant a	na .	2	10	4	80	10	F D
DESAN) W	TWN SPERM	200	27.0	72.0	3,60	8	2,02
(Trough	e Mir	***	b b	873	00,4	22	22
lesed two (COAs	il Mility	12.08	B 22	12.09	200	9,	7.80
bracings and to a		tt 16m Stern (pr	11 SCH Sdewn SP	11 BON 50mm S7	22 80m 80mm (g)	20 Eds.	20 April 59
ي المحمد	eij.	2	2	25	ž	B	2
(AMERICA)	00	2	Degrait	Dyerson	2	Charces	Cyeridals
DV4 SM	ď	00.000	150952020	13.26	DAMPAGGED	1509,0530	30000000 0848
(Inches	mv.	ment as long	warm, Are Jived	mann, Ast, bend	many as per	Interne A.s. Series	managar, panis







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 (%)	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:

Baror	Barometer (mbar)						
Reference	Instrument Reading						
1002	1002						

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

Date Of Issue: 11-Mar-2020

Approved by Signatory

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

www.qedenv.com

+44 (0) 333 800 0088

sales@qedenv.co.uk







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

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







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

Inte	rnal 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

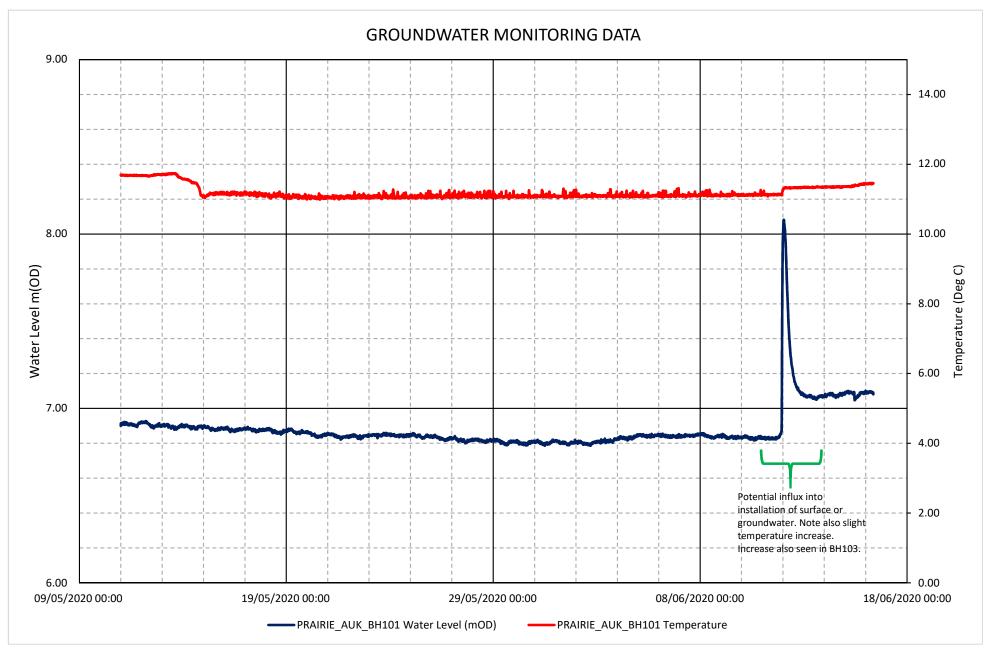
This certificate is lasted in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the Si system of units end/or to units of measurement realised at the National Physical Laboratory or other recognised national 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

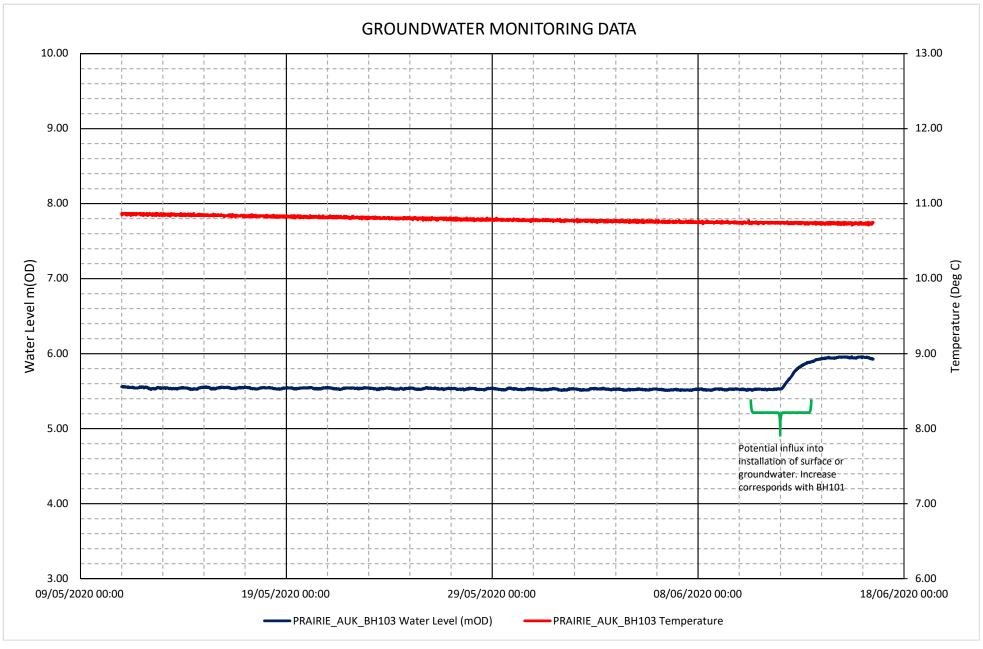




Title: Prairie Site Ground Investigation Works

Contract No: 4251

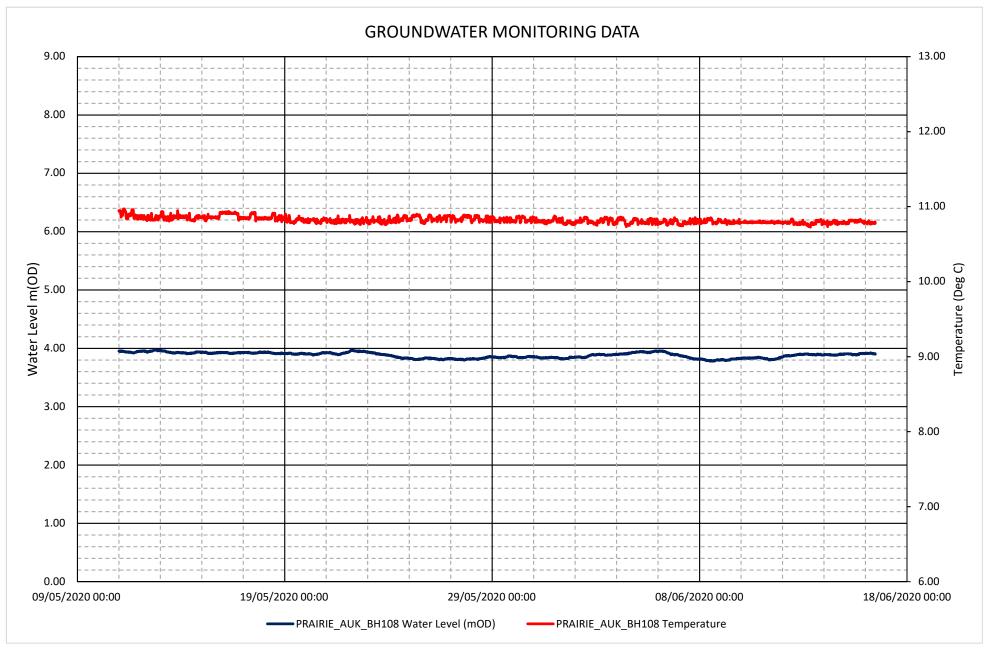
Client: South Tees Development Corporation



Title: Prairie Site Ground Investigation Works

Contract No: 4251

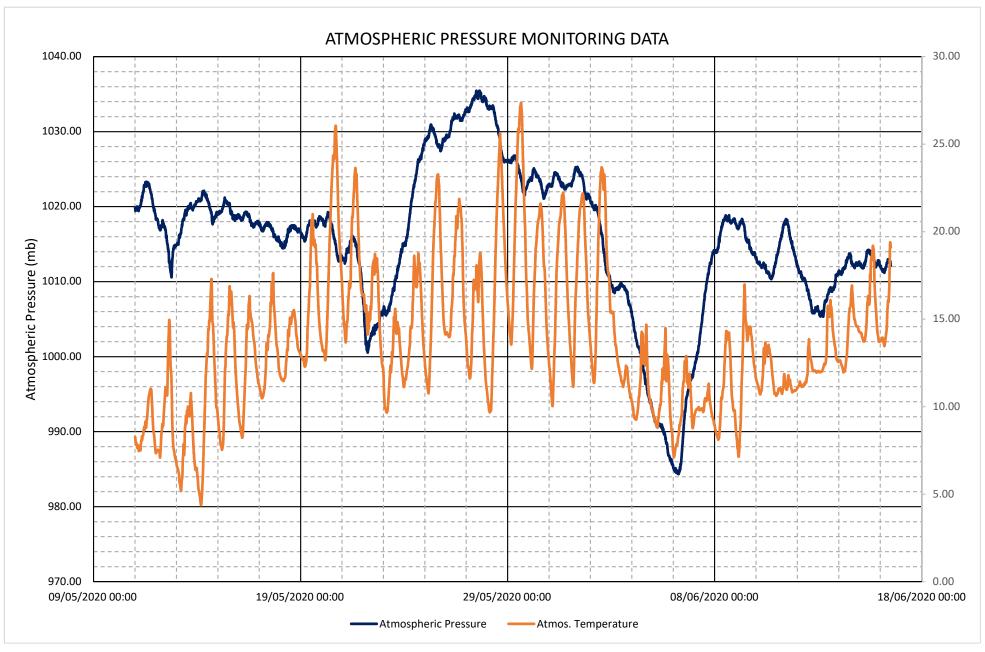
Client: South Tees Development Corporation



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		
Constitution thank		weeken in anti-second	odli testelones
outlined in BS	In-silu testing was carried out on the above 5 1377: 1990; Part 9 or other appropriate stand attached enclosures, were obtained.		
The tests car number of pa	rried out are indicated in the attached table sho ges	owing the enclosure nur	mber and the total
For and on be	ehalf of Allied Exploration & Geotechnics Limite	d	
	Nick Vater (Managing Director)		
B	Kerry Wade (Technical Manager)		
	N. 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	-
-	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	 88 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'	No No	BS 1377 Part 9 1990	· :
	Determination of the Soil Infiltration Rate for Soakaway Design	No	BRE Digest 365 1991	+ -

Standard Penetration Test Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

	Nemats												8	S S
					Щ	Ц		5-				-	10 × 00	
) 10 BODS	8	jýr -	425	13	W	В	30	В	M.	16	W	fract No 4251	No SPT/4251/1
	AM (Youl)		0	28	7	$\overline{\psi}$	2	19.	Ġ.	= ,	100	C	AEG Contract No 4251	SPT
1	TO LAKE		2	D.	2	\mathcal{R}	171	17	s	w	T.	8	Piot retain	Certificate No. :- SPT/4
-	ner hunter		22.08	17.05	480	16	N N	545	4	75	tr u	15.00	to to the second	ŏ
147	S DESIGNATION OF THE PARTY OF T	1	90	59.0	28	22	940	980	90	98.0	980	580	ration ration	
M	C marinos		p. 0	986	0.08	8	9 0	901	18	90.0	90	674	Corpo	-5
ī	modition.	1	2	Ď.	ğ	901	8	8	2	90	8	8	нами	3
	took best	1	90	200	8	100	288	19.	86	80	R	90	would by sandaing delates Uncompared and compared SPTY values are presented on the attachest graphous piot nearly is a Citient in South Tees Development Corporation AEG Contract No - 4251	160
ď	Mod	og.		w	iq I	8	7.	2	2				Tees	Approved By
ľ	1994	É	E	40	ż	8	28	9.	92			*	South	A.
NE NE	BW018	2		iri	р	8	R	N	2			100	ONE SHOOT	
TEST DRIVE	IMM	É	8	12	*	鱼	22	ŧ	2			2	Clent	
F	reciti	ģ	97 /		*	共	72	N	*			at.	S S S S S S S S S S S S S S S S S S S	1.
H	WH4	8	72	20	42	7.8	2	97	2			22	Anthon	1
	leon	2	a	6	*	#	R	#	w	8	8	*	A) District	Ag By
	1992	8	4	#	4	20	12	10	12	12	8	£		Checked By
	switcher!	2	á	- 10	in .	2	28	25	te	2	8	w	glouto	0
	14vj tnoj	E	g	3	9	190	5	8	8	25	12	35	whomeson and considerably training frequency training frequency training frequency fre	
DRIVE	cyolig	ž		F	N	Ď.	9	92	196			m	Wpri	
SCATING DRIVE	Ded	£	£	北	42	72	76	5.	2			2	ion and bigation	101
	SANS)	E	n	*	W	*	9	2	4	8	8	riv.	inves	
4	004	E	2	Ŕ	71	13	18	2	128	8	9	52	Sround	Page No.
31	ong Allening	p	49	ā	0	×	16	2	3	16	15	31	Prairie See Ground Investigation Works	Pag
20	s massers 1 d	9	Amenia	Arres	ADVIS	184	Spirit.	8	ATH	Arriva	Athena	Africa	Prairie	
i de	Nort posit	z.	87	608	80 0	22.50	14.00	15.60	17.00	18.60	18.40	8 0	eller ich colle	92
-0	ped selativi presedi	В	588	10 kg	58	10.30)	109.00	12.80	12.08	10 m	10 to 100	1000	MOTE. Page refer to calconico. Mer.:- Pro	05/11/2020
Sides All	ted test I broutesti	6	82	88	960	98	24 00 0 36)	29	96.50	+8 100 (16 34)	04.84 (87.8)	88.	Contract Title :-	of Issue >
j	notatolaxi notatoly		phisal, and party	man (adjusted	Name Care, Briton	upa pinamu	HOS. LON. POP	dista por junes	Street, say, Sents	CONT. CO. CO.C.	These Concept?	Owen party and perty		Date of

ALLIED EXPLORATION & GEOTECHNICS LIMITED STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

lander's	(adoc	įžų	sation	986	3 op			SEATING DRIVE	DANE		,	-	1	-	#	TEST DRIVE		-	-	-	-	_		Mag	****	27	B40.4	
DANAMA DA	-	e=5/	Bod Le	MARKET TO	H 40mma	(36)	swoją	tea.	SMORE	replaced Per	woll they	sele	sweg	00,1	Moli	Uni	WOM.	Daft.	Ewong .	more with T		AG LABOR RABO	5 ogra Kinu	ورفنا زندنان	W WINS	M WINDS	0 0001	Rumants
E		6	E	9	¥	E	2	£	g.	ž	2	July.	2	le le	190	2	g	ž.	No.	men No.	-	-			1		2	
2,180	Die.	689	5.50	7	ž.	12	e.	E	+	3	-	×	w	E	w.	12	er .	92	**	300 21	-	0 85	385	14.28	5	p	40	
0.50	0.6	100	n su	100	5	22		E	ě.	8	*	ż	ier	龙	· e	7.0	2	£	*	300		25.0	9119	21.0	6	8	M	
88	D.E.	E I	11.50	26	50	2	0	e	37.	8	8	#	A.	£	ž	į.	2	2	R	300		100 001	0.88	37.6	×	¥.	le .	
13.00	P	Day (1)	1900	8	46	ŧ	(0)	25	ź	8	N	2	有	27	2	9.	2		K.	200 100		0 001	0.86	8 8	9	×.	W	
88	DE	1929	0.45	1040	127	屯	.83	£	8.	3	8	12	ą	55	2				H	003	_	0.00	980	8	0	10	st	
85	Dě	600	1,00	8	17	4.0	(6)	7.	vi.	90,	.9	2	-6-	22	4	20		92	30	300 32	-	0 98 0	980	82	Ħ	×	м	
RSF.		58	90 0	1	5	ž.	(0)	n	8	3	ъ	12		22	(B)	#		2	ž ×	* 000	-	20 20 20	0.86	8.0	*	#	10	
88		10 m	42.00	8	16	*	0	X	2	ş	18	2	9	35	75	20	ž.	*	22	270 100	-	6	200	2.73	7	TX.	w	
88		(12.80)	13.00	. 6	5	12	2	25	R	15	2	2	71	E	8	£	Q.		12	525 (00	-	0 0	0.85	10		0	æ	
80.00	06	68 E	007	10	ž.	2	(9)	親	и	8	in .	20	m	2	'n	7.0	н	2	×	300	0	0.75	20.00	23.00	0			
일 윤	TRE	Value new	NOTE Please rule to centralism cartificule title :- Prairie Siti	Praine Praine	2 0	ow ty addroval internation and compounding Expositiony Hole in Site Ground Investigation Works	mores	gation	Work	A MANGEL	footood	HOR IN	conditive serialing	Duggier	Openin	Client >	the and	outh 1	Sees D	evelop	ment (convent SPTN values are presented on the little South Tees Development Corporation	fion fion	Spires.	AEC	Contr	Glient :- South Trees Development Corporation AEG Contract No :- 4251	# (*)
5	Date of issue:-	05/11/2020	Q		Page	Page No		2 01			O	Checked By	d By	1	1			√g.	Approved By	N X	3			ð	Certificate No.	No. 1- SPTM251/2	2112	NA SA

ALLIED EXPLORATION & GEOTECHNICS LIMITED STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

	8												-3(2)	OKAS.
	Remark	ľ												
860	(www.g	8	in	ut)	M	lin.	-69	kin .	a	ùn	0	69	Others :- South Tees Development Corporation AEG Contract No. + 4251	51/3
	N (URO)		3	К		-	R	ä	5	£	2		AEG Contract No	No SPT/4251/3
	nen miles		2		-	7.	R	şŧ		2.	0		AE)	Certificate No SPT/4
.00	agricultura)	4	g 2	18	0.70	2	939	27.4	2	17 65	17.65	9.40	BOND BOND	రి
ART?	unith letter (a	480	980	286	98 0	9.89	990	***	988	980	0.03	ration	
.txo	C report tool		0.86	3	100	100	100	100	101	92.0	990	8	corrected SPTM visual are presented on the stade South Tees Development Collocation	3
1	ewolid leist?	2	¢.	8	50T	ğ.	27	2	8	13	2	92	opmed	3
	med late?	E	98	Ē	2	8	86	300	¥.	8	98	8	Deve	Approved By
	twos	und	Ħ		41	et.		Tees	pprove					
	una	N.	2				#	*		#	2		South	*
1	EACH)	9	40	×		1	+	22		·	41		S De Co	
TEST DRIVE	- mg	au.	ri.	8			£.	0		70.	ż		Clent:-	
٩	EMEG	9	9	Ř				¢		4	4		g details	
ı	Onsi	ian.	更	72			£	£		12	2		Bampa	1
	Blows	20	×.	8.	8	901	an'	E.	8	m.		6		Checked By
	MMT	ŧ	2	10	2	\$	2	#	4	*	£	8	y Hotel in	Check
	\$4000 MV21	2	6-	×	8	8	10	2	8	41		8	spin also	
	ment salot	£	180	150	8	90	8	380	12	8	180	110	SS SS	
SEATING DIRIVE	snog	9	41	22			.8.	8		W	Ĥ	70	n Worl	
SEATHK	109.6	1	2	77			D	2		ž	2	- 10	ion and igation	304.00
	EMBIG	2	m	12	99	SE.	at.	*	80	n	n	75	invest	
	und	Ě	2	£	8	装	苑	12	£	72	22	22	punou	9
30	EWN PAR	×	6	2	4	×	20	25	2	2	*	20	on centroms for additional information and correspond Prairie Site Ground Investigation Works	Page
P	na Property Left		- F	No.	Beco	No.	No.	Athen	70	1	1	1	NOTE Prese rate to calculus certificate for additional returnation and corresponding Explanating the Populine Site Ground Investigation Works	
w	Bod Lang	E	00 10	06.00	1130	17.50	7.00	8 9	96-60	909	26.60	90%	alter to coals	8
100	Bulky) Mil Army.	h	58	3.82	2 36 10 (0)	2 mg	68	50	10.301	162	88	88	E Pinase A	05/11/2020
	deg (ve).	e	05.00	0.00	11.00	0.4 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1	7.00	10.00	10 80	400	980	900	Contract Title	Date of Issue
	off election		NAME AND DESCRIPTION	manufate pers	-	manufacture.	manufactures	Section (Section)	STORY AND SHOWN	The gast	Training July, Heart	minne, A.S., DHICH		Date of

ALLIED EXPLORATION & GEOTECHNICS LIMITED STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

	forme												B (S S S
40	g an engs	86.	я	úp.	ON.	*	91	м		Vi -	- 8	92	Discrept and constitut SPTM years are presented on the attached graphed partners to each Explosion than South Tees Development Corporation 4251	2
	7.55	~				-							AEG Contract No :-	No SPT/4251/4
-	NAV WTAL	-		×	6)	(6)		9	ž	-		10	AEG C	Certificate No SPTA
- 1	PRA ALIdS		ä	4	B		9	2	F.	5	-	£	200	Serifica
Art	oggiwui waj		13.08	9	20	9.0	8	8 8	7.	2	<u>\$</u>	23 08	A graphic	9
MO	CONTRACTOR	9	18.0	0.89	18	0.60	990	91 0	0.80	980	0 10	0.88	ration	
10	eod ravidas co		0.74	25	8	M 0	20	980	0.10	2 0	20	98	(contact of 1973) years are presented on the strain South Tees Development Corporation	2
	ewood tabo?	9	0	9	p	90	9	2	#	904	9,4	2	are pleas	1
	ned lateT	į.	00	96	000	2	8	8	26	91	2	8	N values Develo	Approved By :-
	Mora	Æ		ė	F.			¥i.	*			40	Tees	pprove
	MR	1	2	2	£			22	#			72	South	€
9.0	1400	ž	n	2	R			9	\mathcal{A}^{\prime}			41	S THE	
TESTORNE	104	É	in the	44	14			40.	#			2	Client	
	(maj)	2	71	2	\$			'n	w.	6		ĸ	and for earnging density	
	1094	E.	12	だ	22			Ħ	12	21		E	dempte	
	iwag	£	*	0	N.	100	180	, in	'n	23	100	e		ed By
	ing	E	#	2	£	200	8	25	2	775	2	7.5	ry Hotel	Checked
	PHOSE MICE	8	*	- Pi	9	8	3	- AT	4	8	98	è	operato	
	TWO MANT	£	90	189	8	12	*	160	385	150	2	150	stresponding Expansion Hole red in Works	
SEATING DRAW	Modi	£	W.	н	4.			'n	161	36		e.	n Wor	1
SEATING	MM		五	12	E.			£	22	13		75	oon and figatio	10
	sing	180		ř.		8	8	$\langle m \rangle_{i}$	49	é	28	e	Imves	A
	, sign	,mm,	72	ŧ.	É	2	19	ŧ.	2	25	2	9	sale to account internation and terrapore Site Ground linvestigation Works	Page No.
31	alof towns	9	5	100	.0	16	-5	20	5	20	-	40	Site G	ge d
10	KIL HAWWAY 185		1	100	1	1	1	I	1	4	1000	1001	Pratrie	
4	gluet pos	E	9.80	929	200	9916	000	200	8	909	646	98.6	Ser to case	2
- 10	(Cristical)	B	2000 2000	Dry Calor	88	100	600	200	80	600	100 B	Se.	NOTE: Pease new to calcome actitions to account of pression and the to- the to- Prainte Site Ground Investigation	05/11/2020
	AJ E40uBoff)	E	370	9.80	7,00	838	9.00	(90.04)	1979	6.00	9.50 (5.50)	630	MOTE V	Case of issue
J	ow eloH	1	rating his glob	Mann dly Deedle	mod (n) (none	Alexandra (Section	and one seem	manufacture and a	send of herse	manifest Service	man an arm	Anna Parlament	Contract Trile	Date of

ALLIED EXPLORATION & GEOTECHNICS LIMITED STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005)

	Terrativa								-3(
	Ž.								Г	-
#10	0 vo end3	U.S.	69	er	Įņ.	w	· v		Client:- South Tees Development Corporation AEG Contract No :- 8501	
1	PRIME		¢	g	7	9	0.7		S Contra	
	MAY WINE		2		-	1	1		AEC	
M	mg/scot ut-		889	8	200	20	5)		5	
The	to one Me	9	286	Si O	583	88.0	200		ation	
140	ind target or		8.	8	100	100	198		South Tees Development Corporation	
T	med9 (8)07	100	8	8	ě.	2	tio tio		ppmen	
	Trake MaciT	Ē	B	980	902	-22	H		Develo	
	incis.	Į.	a	14					Tees	
	pag.	Ē	2	#					South	
4	seage	g	2	8	¥			1	the batte	
The same	long	£	2	13	P				Client	
	AMIR	2	ě.	4	#				1	
	LHAN	Ē	£	1	e				sample	
	tword	2	0	ti.	g	100	98.		atheo	
	1984	Ĭ	ž	2	ė	į.	2		188	
	Total Blows	g.	*	Ε,	2	98	2		plantin	
	replaced.	E	20	55	8	28	8		5 S	
CHUE	trog	q.		B					Work	
SEATING DAINE	ted	AL.	2	72	778				pario	
91	AMORE	2	×	6	15	Я	Ø		Invest	
	na9	use	72	12	g.	4	*		puno	
31	Enhige Rem	*	2	S.	5	(2)	Œ		Prairie Site Ground Investigation Works	
ja	is received Li	ni.	7	Arrest	Alman	N.	ţ		Pravie	
M	Diezone	6	970	12.50	14.00	13,00	88		100	
u	(Surles) MIRA DISS	0	58	10.00	\$7.0 (13.80)	32.5	2.39 (15.30)		NOTE Plake rate to constant surfaces for accessore etcompone and consequencing Explorating However file :- Prairie Site Ground Investigation Works	
	AJ DICALDAMI	6	950	25 P	1029	15,00	00 to 10 to		F	
,	ov siot	1	and to pert	and and and	and an para	man()(0)()mm	Section Sens		Contract	ı

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 > Praine-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

STANDARD PENETRATION TEST RESULTS Exploratory Hole No. (BS EN ISO 22476-3: 2005) PRAIRIE AUK BH103 Depth (m) 10 12 16 50 N Value 80 100 Uncorrected 'N' Values Corrected 'N Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Client > Contract Title :-Praine Site Ground Investigation Works South Tées Development Corporation Date of issue -Certificate No -Operator :-05/11/2020 SPT/4251/Graph/PRAIRIE_AUK_BH103 L Selkirk Checked By -Approved By -AEG Contract No. 4251

Exploratory Hole No. STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005) PRAIRIE_AUK_BH104 Depth (m) 10 12 14 16 100 Nº Value Uncorrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Corrected 'N' Values Client :-Contract Title :-Prame See Ground Investigation Works South Tees Development Corporation Date of issue Certificate No -Operator 05/11/2020 SPT/4251/Graph/PRAIRIE_AUK_BH104 LS/LH Checked By -Approved By :-AEG Contract No :-4251

Exploratory Hole No. STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005) PRAIRIE AUK BH105 Depth (m) 10 12 14 16 100 N Value Uncorrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). O Collected 'N' Values Contract Title :-Client :-Praine Site Ground Investigation Werks South Tees Development Corporation Date of issue Gerificate No Operator = SPT/4251/Graph/PRAIRIE_AUK_BH105 05/11/2020 L Selkirk Checked By -Approved By -AEG Contract No :-4251

Exploratory Hole No. STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005) PRAIRIE_AUK_BH106 Depth (m) 40 12 16 W Value Uncorrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Corrected N Values Client > Contract Title :-Prame Site Ground Investigation Works South Tees Development Corporation Date of issue -Certificate No --Operator = 05/11/2020 SPT/4251/Graph/PRAIRIE_AUK_BH108 L Selkirk Checked By -Approved By -AEG Contract No. :-4251

Exploratory Hole No. STANDARD PENETRATION TEST RESULTS (BS EN ISO 22476-3: 2005) PRAIRIE AUK BH107 Depth (m) 10 12 16 100 Nº Value Uncorrected 'N' Values Coverged 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Client :-Contract Title :-Prairie Site Ground Investigation Works South Tees Development Corporation Dage of issue -Certificate No -Operator -SPT/4251/Graph/FRAIRIE_AUK_BH107 05/11/2020 L Shikirk Checked By -Approved By -AEG Contract No :-4251

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

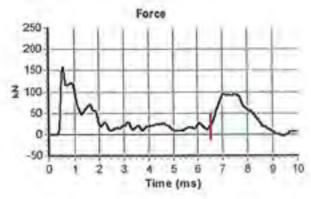
Accelerometer No.2:

 Diameter d_r (mm):
 54

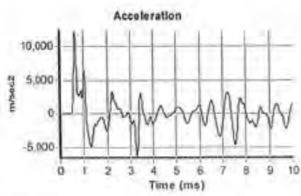
 Wall Thickness t_r (mm):
 6.5

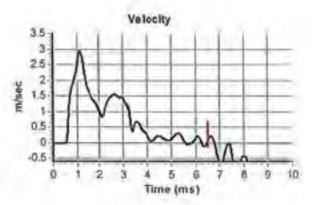
 Assumed Modulus E_a (GPa):
 208

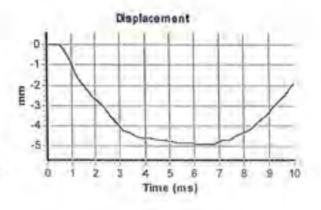
 Accelerometer No.1:
 5991



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
									Flasinits in excess of 130kPa - ex					South Tees Development Corporation	Approved By.
Average	68 (32)	53 (22)	47 (18)	87 (22)	86 (32)	(02) 09	64 (24)	70 (26)	130	72 (34)	67 (34)	62 (40)	ig.		Appro
4th Result kPa	69	42	48	88	80.	09	29	68	130	94	72	99	Residual (nauths given in procients.	Client	7
3rd Result kPa	:53	99	44	69	06	60	68	68	130	68	68	82	Resko		Checked By-
2nd Result kPa	. 99	34	44	82	84	09	90	72	130	72	62	82		estigation Works	1017
1st Result kPa	72 (32)	50 (22)	52 (18)	90 (22)	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	25	2.00		Prair	02
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.	THAM AND THE	Sheet App. (PC)	10.00	mati sel tame	Manage Long Street	South back to	SAME AND THESE	004(30)(30)	manufactures	THE AN EMPLE	Description of the last	manufacture.			Date of

Remarks											Results in excess of 130kPa - exceeds the device measuring range.			AEG Contract No. 4251	Certificate No HSVI4251/2
											Results in axcess 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)	4		Approved B)
4th Result kPa	110	09	90	7.4	100	89	88	99	20	110	130	299	Soundard results given in brockets.	Clent	7
3rd Result kPa	90	95	25	99	112	88	999	90	30	86	130	89	Romath		Checked By
2nd Result kPa	110	58	44	54	32	78	52	20	20	06	130	72		estigation Works	2017
1st Result kPa	100 (40)	60 (18)	50 (12)	60 (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	300	1.60		Prair	а
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 Saue > 05/11/2020
Exploratory Hole No.	Section (see	9440 (OC) 914	STATE AND THE	seed to you	Water San Peril	Start Augusts	DIACON DAYS	U.S. Original	-	Mass Autoria	Manager (Manager	Bud'er/Jones		-	TIO Oale of

Remarks														AEG Contract No - 4251	Cortificate No HSVA2513
Average	82 (40)	47 (20)	65 (22)	62 (22)	74 (18)	32 (20)	70 (34)	45 (20)	59 (34)	41 (22)	71 (18)	69 (18)		South Tees Development Corporation	Approved By:
4th Result A	80 8	40 4	9	9 09	7.4	30 3	58	22	5.8	46 4	40	68	Healchast results given in brackets.	Client >	7
3rd Result	62	54	99	8	76	22	72	05	60	44	2	99	Westcha		Checked By
2nd Result kPa	992	40	09	55	76	35	33	55	00	30	.00	25		Prairie Site Ground Investigation Works	3017
1st Result	80 (40)	52 (20)	70 (22)	60 (22)	70 (18)	32 (20)	70 (34)	46 (20)	55 (34)	42 (22)	78 (18)	76 (18)		rie Site Ground Inv	Page No
Depth	2.60	2.50	3.00	1.50	2.50	2.20	250	2.80	3,80	1.00	1,50	150		Prai	
Date	23/04/2020	22/04/2020	22/04/2020	20/04/2020	20/04/2020	08/04/2020	23/04/2020	02/04/2020	02/04/2020	22/04/2020	22/04/2020	20/04/2020		Contract Tibe (s.	Date of Issue - 05/11/2020
Exploratory Hole No.	THE PERSON NAMED IN	managed server	See LAND SE	ABTOR (NO.) STATE	other (see) when	le Train	Albert 4.4 metal	manufacture)	Station States	Praise, Suc Print	SHIPE AND PAIN	MALE WE THAT			Date of

								-							
Remarks.														AEG Contract No 4251	Certificate No HSV/4251/4
95	83	5)	0)	33	5)	33.	2)	2),	00	89	8	0		South Teus Development Corporation	Approved By
Average kPa	84 (28)	70 (22)	70 (20)	40 (18)	67 (16)	48 (18)	47 (15)	77 (22)	77 (30)	64 (28)	97 (40)	97 (30)	chats		4
4th Result KPa	82	72	74	42	64	46	46	76	76	68	96	8	Residual results given in practets.	Clent	3
3rd Result xPa	25	18	12	40	70	48	46	80	78.	759	2	85	Resid		Checked By
2nd Result NPa	999	72	62	40	99	42	99	70	72	62	100	106		estigation Works	4017
1st Result kPa	84 (28)	68 (22)	70 (20)	38 (18)	(9) 99	(81) 99	44 (16)	80 (22)	62 (30)	62 (28)	98 (40)	92 (30)		Prairie Site Ground Investigation Works	> age No >
Depth	250	8.1	2.80	150	2.50	2.00	2.50	3.50	5.00	3.00	1.50	2.50		Prair	0
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 06/11/2020
Exploratory Hole No.	submit, an Toria	Staff_MAL Season	STATE ALCOHOLS	With the Control	Second Asia James	STATE AND STATE	PROSECULAR CHOSE	West of the second	White Authorities	Blue off Seems	Metal Street	Shrift do. more			

Remarks						o friable	oo friable.	sufficiently cohesive.		so friable	so frable.	эа бларіе.		AEG Contract No :-	Certificate No - HSV/a251/5
						Not suitable for HSV testing - 100 fcable	Not suitable for HSV testing - too friable.	Nat 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 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	TC
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	sumpor his	months to the sale	Heart hat make	Married Married	WASHINGTON, WANT	netCoccinio	ent & June	SIMPONO MARIA	enterning significant	HALL BYEN	000(44,000		-	Diste of

														AEG Contract No > 4251	45V/4251/6
Remarks		Not suitable for HSV festing - 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 sustable for HSV testing - too friable.			South Tees Development Corporation	ABy. Certificate No.
Average	96 (42)			49 (20)			54 (36)	53 (26)	52 (26)			93 (42)	4	100	Ag paraved By
4th Result kPa													Residial results given in brackets:	Clark	70
3rd Result kPa	6			45			62	2	z			96	Braid		Checked By
2nd Result kPa	86			23			42	56	3.			001		estigation Works	B of 7
1st Result kPa	100 (42)			48 (20)			58 (36)	48 (26)	(92) 89			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	2.60	3.50	2.00	2,00		HEAR	ø
Date	09/04/2020	09/04/2020	0505-5050	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 Hote No.	NAME AND DESCRIPTION	distant App, print	State Alegary	the see that the chi	man lactories	Social junta	PACHON I	Nation Seems	Mark Serie Barren	SAMP AN DUS	The second second second	STATE AND DESIGNATION OF THE PERSONS ASSESSMENT OF THE PERSONS ASSESSM			TI (D

Remarks	ible.	Note:				
	Not suitable for HSV lesting - too fritable.	Not suitable for HSV feating - Loo friable.				
Average			83 (42)	103 (46)	51 (20)	53 (18)
4th Result kPa					42	909
3rd Result kPa			86	105	25	069
2nd Result kPa			DS	100	50	85
1st Result			62 (42)	105 (46)	50 (20)	54 (18)
Depth	1.50	2.50	1.50	2.50	1.60	250
Date	09/04/2020	09/04/2020	07/04/2020	07/04/2020	15/04/2020	16/04/2020
Exploratory Hote No.	the feet	No. of Con-	T. Section	market True	No. of Persons	Market 1989

Photo-ionisation Detector Test Results



parties. On it then had become from the from carrier in books become for first for first parties out \$0.70

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE AUK BH101	3.00	0.2	27/04/2020	
PRAIRIE AUK BH103	2.50	See Remarks	09/04/2020	<0.1ppm
PRAIRIE AUK BH104	5.50	0.2	03/04/2020	
PRAIRIE_AUK_BH105	3.00	See Remarks	16/04/2020	<0 1ppm
PRAIRIE_AUK_BH106	5.50	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_BH107	3.00	0.1	24/04/2020	
PRAIRIE_AUK_BH108	2.50	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_BH109	0.50	2.9	23/04/2020	
PRAIRIE_AUK_BH109	1.00	12.8	23/04/2020	
PRAIRIE_AUK_BH109	1.70	27.6	23/04/2020	
PRAIRIE_AUK_BH109	2.50	10 B	23/04/2020	
PRAIRIE AUK BH109	3,50	26 1	23/04/2020	
PRAIRIE AUK BH110	3,00	See Remarks	20/04/2020	© (ppm
PRAIRIE_AUK_TP101	1.00	See Remarks	01/04/2020	o 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	See 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.tpom.
PRAIRIE_AUK_TP105	1.20	See Remarks	01/04/2020	<0.1pom
PRAIRIE AUK TP105	2.50	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	0.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	1.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	1.50.	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	2.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	3.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	1.80	See Remarks	08/04/2020	<0 tppm
PRAIRIE_AUK_TP107	2.80	See Remarks	06/04/2020	<0 tppm
PRAIRIE_AUK_TP108	1.00	See Remarks	06/04/2020	<0 tppm
PRAIRIE AUK TP108	2.00	1.7	06/04/2020	
PRAIRIE_AUK_TP108	3,00	0.6	06/04/2020	
PRAIRIE AUK TP109	0,50	See Remarks	21/04/2020	<0 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
PRARIE_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	<0.1ppm
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	
PRAIRIE_AUK_TP114	0.90	130,0	07/04/2020	1
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	<∪ fppm
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	2.00	11.1	23/04/2020	
PRAIRIE AUX TP118	0.50	0.2	23/04/2020	
PRAIRIE AUK_TP116	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 Innua : 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 tppm
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 fppm
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	«O tppm
PRAIRIE_AUK_TP133	0.50	See Remarks	22/04/2020	<0.1ppm
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	<01ppm
PRAIRIE_AUK_TP134	2.50	See Remarks	20/04/2020	<0 lppm
PRAIRIE AUK TP135	1.30	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP138	0.80	See Remarks	15/04/2020	<0.1ppm
PRAIRIE_AUK_TP136	2.90	See Remarks	15/04/2020	<0.1ppm
PRAIRIE AUK TP137	1.30	See Remarks	15/04/2020	<0 tppmi

Contract Title :-

Prairie Site Ground Investigation Works

Chart -

South Tees Development Corporation



Calbration Compliant	Date of Issue	Page No :-
VES	05/11/2020	3416
Checked Byc-	Approved By -	AEG Contract No -

mad bloke the property of the state of the property of the party of th

PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRARIE_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 Appro
PRAIRIE_AUK_TP144	0.50	0.8	24/04/2020	
PRAIRIE_AUK_TP144	1.00	1,5	24/04/2020	
PRAIRIE_AUK_TP145	1.60	0.2	14/04/2020	
PRAIRIE_AUK_TP146C	1,30	02	14/04/2020	
PRAIRIE AUK_TP146¢	2.50	See Remarks	14/04/2020	<0.1ppm
PRARIE_AUK_TP147	1,50	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP14BA	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 Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	3:00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP152	0.50	0.3	22/04/2020	
PRAIRIE_AUK_TP162	1.00	16	22/04/2020	
PRAIRIE_AUK_TP152	1.50	0.8	22/04/2020	
PRAIRIE_AUK_TP153	0.60	1.8	22/04/2020	
PRAIRIE_AUK_TP153	1.00	0.5	22/04/2020	
PRAIRIE_AUK_TP153	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP153	2.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP154	0.60	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

Contract Title -

Calibration Compliant -

Prairie Sm Ground Investigation Works

Client

South Tees Development Corporation

Page No



VES	05/11/2020	4 of 6
Checked By -	Approved By	AEG Contract No -
1.	21.14	4251

Date of Issue: -



PHOTO-IONISATION DETECTOR

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	
RARIE AUK TP164	0.70	See Remarks	16/04/2020	<0.1ppm
PRAIRIE AUK_TP164	1.30	See Remarks	16/04/2020	<0.1ppm
RAIRIE AUK TE165	1.00	See Remarks	15/04/2020	
PRAIRIE AUK TP165	3.30	See Remarks	15/04/2020	<0 tppm
PRAIRIE 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	
RAIRIE 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 fppm
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	100
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	

Contract Title -

Praine Site Ground Investigation Works

Client :-

South Tens Development Corporation



Date of Issue -Calibration Compliant Page No -05/11/2020 5016 Approved By -Checked By AEG Contract No -4251



PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	(ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP179	2.00	2.1	09/04/2020	
PRAIRIE_AUK_TP180	0.30	See Remarks	14/04/2020	<0.1ppm
PRAIRIE_AUK_TP181	0.60	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP181	2.50	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP182	0.90	6.2	09/04/2020	
PRAIRIE_AUK_TP182	2.00	0.5	09/04/2020	0
PRAIRIE_AUK_TP184	0.30	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP185	4 30	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP186	0.50	5.1	07/04/2020	
PRAIRIE_AUK_TP187	0.50	1.3	20/04/2020	
PRAIRIE_AUK_TP187	1.00	0,2	20/04/2020	
PRAIRIE_AUK_TP188	1.00	1,2	08/04/2020	
PRARIE_AUK_TP189	1.60	See Remarks	07/04/2020	<0.1ppm
PRAIRIE_AUK_TP189	3.00	See Remarks	07/04/2020	<0.1ppm
PRAIRIE_AUK_TP190A	1.10	See Remarks	16/04/2020	<0.1ppm

		achiet Calibration Certificate for Mode	the latest the same of the same of		
Contrac	t Tale :- Fraine Sile Ground in	westgation Warks	Client > Sa	ulty Tees Development Corporat	ion
A	Daibration Chingliani - YES	Date of Issue - 05/11/2020	y	Page No :- 6 of 6	4
罴	Checked By	Approved By -)	AEG Contract No 4251	- B

Certificate of Calibration

Customer:	Allied Exploration & Geolechnics Ltd
CHOLOTTICI.	Allied Exploration & Geolechines Lig

Instrument: MiniRAE 2000

Job: Service, Test & Calibration

Serial number: 110-900192

Fleet Number: N/A

Certificate no: 900192 / 100519

Next calibration due date: 10 May 2020

Tested on: 10 May 2019

Calibrated for: Isobutylene

Applied Gas	<u>Cylinder</u>	Initial Sensor	Final Sensor	Accuracy
Concentration:	<u>Reference:</u>	Reading	Reading	Limits
Isobutylene: 100 ppm	AGG2641-3-10	95.0 ppm	100.0 ppm	± 2%

The Instrument has been calibrated after Re-Zeroing & Introducing Span Calibration Gas, using gas that is traceable to national standards and has been prepared in accordance with BS EN ISO6145-6:2008

Calibration Engineer: PLonsdale

Sign: Alanda

Quality Assessed by (Print): R. L. BANKRIDGE Sign: Laudid

In-situ Water Quality Parameter Test Results



THE DESCRIPTION OF THE PROPERTY LINE FOR THE COMMUNICATION CAN DESCRIPTION OF THE ACCUSATION OF THE PROPERTY AND ACCUSATION OF THE PROPERTY ACCUSATION OF T

Date of Test:	05/05/	2020	Operator:		D Por	tsmouth		
Weather C	ondition (inc temp	erature) :	Cool & Dry					
Monitoring Point	Time (hrs)	pH	Temp (°C)	Electrical Conductivity (Actual) (us)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolve Solids (ppm)	
	15:30:00	8.10	15.10	811.29	309,30	49.79	0.65	
PRAIRIE_AUK_	15:35:00	8 10	15.84	824.59	317.10	49.66	0.65	
BH104	74	7	8	8-	11-84	1	- 6	
	2	1	-)±		-		
	14.15.00	7.55	14.99	1989-10	294.80	77.94	1.60	
RAIRIE AUK	14.20.00	7.55	15.47	2039.40	282.30	77.48	1.62	
BH107	14 25 00	7.55	15.68	2096.30	283.70	78.03	1.62	
	14.30.00	7.55	17.74	2143.70	284.70	78.44	1.62	
	12:00:00	8.78	14.49	548.17	189.80	27.56	0.44	
	12:35:00	8.77	14.60	520.31	204.30	16.03	0.42	
	12:40:00	8.77	14.23	540.24	108.20	19.16	0.44	
PRAIRIE AUK_ BH109	12:45:00	8.75	15.08	559.75	221.60	28.07	0.45	
	12:50:00	8.73	15.45	562.00	231 60	30.30	0.45	
1	12.55.00	8.73	15.53	561.84	230.49	28.78	0.45	
	13:00:00	8.72	15.86	559.15	226.70	22.54	0.44	
Remarks:	B+104 8	BH107 - urable	to sample via pump	due to lack of hea	ad Agreed with Arca	adis to sample using	a bailer.	

AUG Contract No.

4251

Page No.

01/07/2020

1.012

Date of Test	06/05/	2020	Operator:		D Por	tsmouth	
Weather Co	andition (inc temp	erature) :			Cool/Warm & Dry		
Monitoring Point	Time (hrs)	p#i	Temp (°C)	Electrical Conductivity (Actual) (µx)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolved Solids (ppm)
	10:10.00	8.52	11.50	1849 80	279.10	40.97	1.62
RAIRE_AUN_	10:15:00	8.52	11.62	1854 30	276.40	43,39	1.62
(Shallow)	10:20:00	8.52	11.90	1863-30	280,80	46.55	1.62
	-						-
	09 40 00	831	11.29	1790.40	238.40	47.43	1.57
RAIRE_AUK_	09:45:00	8.47	11.20	1795 10	227 30	46 79	1,58
(Deep)	09 50 00	8.50	11-23	1799.70	233.70	46.34	1.59
	09 55 00	8.51	11.27	180210	742.40	46,59	1 59
	08:36:00	9.54	11,22	641.13	124.20	32.09	0.56
HAIRIE_AUK_	08:40:00	9.53	11:26	844 92	132.80	33.40	0.57
BH106	18:45:00	9.52	11.47	648.52	139.40	34.61	0.57
	05.50 00	9.52	11.66	651.63	145.90	35.53	0.57
	13:05:00	7.53	tast	1776 50	345.50	43.80	1,56
RAIRIE_AUK_	13 10 00	7.93	11.46	1775.70	354.40	44 69	1.56
(Shallow)	13:15:00	157	11.46	1775.00	356.70	:44.87	1,96
	13:05:00	1.53	11.51	1769 60	345.50	43.80	1.96
RAIRIE_AUX_	13.10.00	1.66	15-48	1767 70	354.40	A4 89	1.56
(Deep)	15-15 00	7.67	33.48	1766.50	366.70	44.87	1.56
						- 8	-
	11-10-00	8.00	11.61	2076 80	333.90	42.01	1,82
PRAIRIE AUK	11-15 00	812	31.47	2074 70	331 00	43/21	1.82
B-1110	11:20:00	6.13	11.43	2075.40	332.10	43.90	1.82
	33 25 00	814	11.40	2074.40	337,30	44.55	182
Remarks :				nva			
Principle Princi	airie Site Ground	Investigation W	lorks		South Tees Deve	Topment Corporatio	on
A	Checount Sy	LC		Approved By	W		A
	Date forces	1/2020	Page No 2 of 2	AEG Comheid No	4251		8

HOLE ONLY THE SHOP CONTRACTORS, Print Set, Common Street, Co. Sartine, Cric 200, Sar crick SP 4750 Set 101 SP 4750

Report SPA, 164 St. Section Space Space

Date of Test:	16/06/	2020	Operator:		A. Mar	sterman	
Weather Co	ondition (inc temp	erature):		Sli	ghøy overcast (15-1	8°C)	
Monitoring Point	Time (hrs)	рН	Temp (°C)	Electrical Conductivity (Actual) (µs)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolve Solids (ppm)
	15:00:00	8.71	18.35	457.46	109.2	76.88	0.34
	15:03:00	9.12	14.46	428.58	118.7	32.15	0.34
RAIRIE_AUK_	15:06:00	9 35	13.40	399.67	289.8	23.49	0.32
BH103	15:09:00	9.67	13.60	333.61	115.0	21.43	0.28
	15:12:00	9.68	13.57	319.10	268.4	20.89	0.26
	15:15:00	9.69	13.28	314.98	295.5	19.20	0.26
Remarks:	eirie Site Ground			Cherit		opment Corporatio	

Transition for \$1 to a Colombia from the Armental State (Salah State (

Date of Test:	17/06/	2020	Operator:		A. Ma	derman	
Weather Co	odition (inc temp	erature)			Ownroast (15-18°C)	
Monitoring Point	Time (hrs)	pet.	Temp (°C)	Electrical Conductivity (Actual) (µs)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolve Solids (ppm)
	09:36.00	8.58	13.54	1563.90	145.4	34.96	(30
PRAIRIE AUK	09 39 00	6.65	13.40	1573.00	225.2	29.66	1.51
(Deep)	09-42:00	8.69	13.50	1578 00	240.7	27.94	1.31
	09:45:00	5.70	13.62	1582.00	211.1	25.91	1.51
	10:38:00	8.48	13.13	1467.00	128.2	32.53	1.24
RAIRE AUK	10:41:00	8.84	12 92	1468.00	252.6	27.50	1.24
(Shallow)	10 44 00	8.84	12.88	1467.00	285.4	26.02	1.24
	10.47:00	8.85	12 90	1470.00	282.7	24.45	1.24
	12.57.00	8.05	13.36	1222 80	276.0	18.64	1.02
RAIRIE AUK	13:00:00	5.07	13.22	1223.30	316.3	14.79	1.03
BH164	13.03.00	8 07	13.28	1233 60	317.5	14.21	1.03
	13:06:00	8.07	13.54	1239 60	305.7	14:34	1.03
	11:14:00	8.24	13,58	1104.90	361.00	42.77	0.92
RAIME_AUK_	11:17:00	8.27	15 86	1109 30	370 40	42.08	0.92
B#105	11:20:00	8.29	14.06	1113 90	373.40	91.44	0.91
	11 23 00	8.29	14 22	1117.80	372.80	41.15	0.91
	13-47-00	9.20	15.77	1035.40	903.6	30:24	0.82
PRAIRIE_AUK_ BH 106	13:50:00	9.20	1694	1040.20	331.2	-22 53	0.82
	13.53.00	9.21	16.12	1044.60	341 6	20.67	0,82
	10 00 00	7.42	14 38	2306.60	330.8	64.66	1.88
PRAIRIE_AUK_	10 03 00	7.55	14.54	2309.00	347.9	00.04	68.1
(Datep)	10 06 00	7.59	VI 67	2316.50	386 6	57.82	1.88
	10 09 00	7.61	34.76	2321.30	358.0	56.77	168

man Office Line IS State Stiff House of States And Annual States (S. Carrier, D. Carrier, D. C. States, D. Carrier, D. Carrier

Date of Test:	18/06/	2020	Operator:		A. Ma	sternari	
Weather Co	ondition (inc temp	erature):					
fonitoring Point	Time (hrs)	рH	Temp (°C)	Electrical Conductivity (Actual) (µs)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolved Solids (ppm)
	08:45:00	7.74	13.87	1704,00	278.00	38.43	1.41
RAIRIE_AUK_ BH108	08:48:00	7.97	13.74	1710.00	314.20	35.71	1.42
(Shallow)	08:51:00	8.02	13.72	1711.90	307.70	33.61	1.42
	08:54:00	8.05	13.76	1713.70	306.30	34.54	1,42
	11.21:00	8.12	14.22	2931.00	245.30	42.36	2.41
RAIRIE_AUK_ BH110	11:24:00	8.11	13.23	2920.00	292.20	41.66	2.45
	11:27:00	8.11	12.99	2915.00	308.20	40.96	2.46
Remarks:							
orbac Title	airie Site Ground	Investigation W	foriks	Clark	South Tees Devel	opment Corporatio	in the second se

Date of Test:	18/05/0	2020	Operator:		A. Mar	sterman		
Weather Condition (inc temperature) : Cloudy (13-14°C)								
Monitoring Point	Time (hrs)	рН	Temp (°C)	Electrical Conductivity (Actual) (µs)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolved Solids (ppm)	
	12:36:00	12.89	12.49	4372.20	-103.90	37.05	3.74	
PRAIRIE_AUK_	12:39:00	12.94	12.72	4391.40	-101.20	32.12	3.73	
BH102	12:42:00	12.98	12.99	4416.70	-100.00	30.57	3.72	
	12:45:00	13.00	13.15	4431.30	-102.60	30 46	3.72	
	14.16:00	7.50	11.80	1703.90	280 20	7.95	1.48	
PRAIRIE AUK	14:19:00	7.40	11,61	1681.40	322.10	7.71	1.47	
BH107	14:22:00	7.36	11.52	1667.10	349 10	7.40	1.46	
	14:25:00	7.34	11.42	1664.20	360 20	7.36	1.46	
	15:33:00	7,17	11.50	3392.80	340.40	35.08	2.99	
	15:38:00	7.33	11.89	3727.00	37(.70	89.40	3.25	
PRAIRIE_AUK_ BH109	15:39:00	7.41	11.75	4058.00	380.20	75.67	2.47	
	15:42:00	7.78	12.32	3237.90	390.10	88.64	3.38	
	15:45.00	7.90	12.72	3948.80	364.20	89.69	2.74	

orerad Time Prairie	Site Ground Investigation	in Works	South Tees Development Co	poration
A	L.	2	Approved By	
Care I	dued	Page No.	AEG Contract No	
CS	05/11/2020	4 of 4	4251	- 115 7

Weather Condition (inc temperature): Overcast (17°C)		IIV-S	SITO WATER	ZUALITT PAR	AMETER MONI	OKING RESUL	.13	
Time (hrs) PH Temp (°C) Conductivity (Actual) (us) Redox Potential (hrv) Dissolved Oxygen (%) Solids (ppm)	Date of Test: 30/06/2020 Operator:				A. Masterman			
15:34:00 7:69 13:20 1229:00 50:10 7:74 1:01	Weather Co	endition (inc temp	erature) :		Overcast (17°C)			
RAIRIE_AUK_ BH104 15:37:00 7.62 13.26 1120.00 52:60 7.46 0.93 15:40:00 7.62 13.57 1124.00 53.90 9.52 0.95	Monitoring Point		pH		Conductivity			
BH104 15:40:00 7.62 13.57 1124:00 53.90 9.52 0.95	PRAIRIE_AUK_ BH104	15:34:00	7.69	13.20	1229.00	50.10	7.74	1.01
BH104 15:40:00 7.62 13.57 1124.00 53.90 9.52 0.95		15:37:00	7.62	13.26	1120.00	52.60	7.46	0.93
		15:40:00	7.62	13.57	1124.00	53.90	9.52	0.95
		4						
	Remarks :	PRAIRIE_AUK			unable to sample usample using a bai	ler.	ck of head. Agreed	

The same of the state of the same of the s

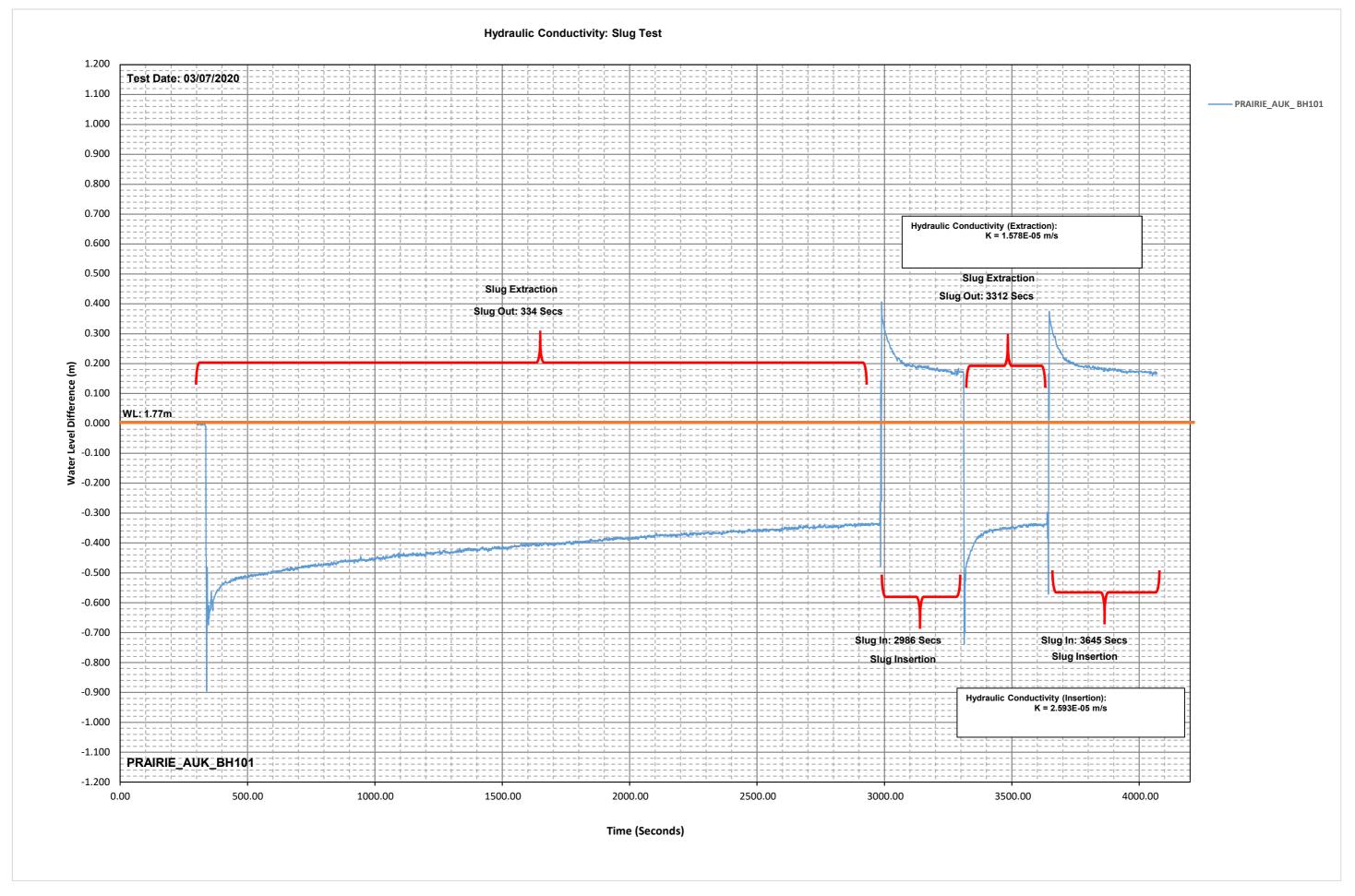
Date of Test	0.1/07/2020 Operator.			A Masterman				
Westfur Condition (inc temperature)				Overcast (16°C)				
Monitoring Point	Time (hrs)	pH	Tempi (°C)	Electrical Conductivity (Actual) (µ8)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolved Solids (ppm)	
PRAIRIE_AUK_ BH101 (Deep)	09:21:00	9.86	13.30	2352 00	-305.90	7 85	1.94	
	09:24:00	6.90	12.02	1972.00	-296.30	164	1.24	
	09-27-00	8.66	11.85	1842 00	-294.00	1.24	1,60	
	109 30 00	884	11.91	1834 00	-292 60	1.10	1,59	
	109 35 00	9.60	12:32	1439.00	-306.00	2.24	1,27	
PRAIRIE_AUK_	109 38 00	9.12	12:39	1583 00	-290 00	1 53	1 36	
(Shallow)	09:41:00	9.04	12.19	1617.00	-286,00	1.53	1.39	
	09:44:00	8.97	12.16	1647.00	-262,00	1.76	1.42	
	08 44 00	12.79	13.02	4476 00	-4 (0.30	1.62	3.78	
PRAIRIE_AUK_	08:47:00	12 86	12.88	4509.00	-423.30	1:30	3.84	
SH102	08.50.00	12.94	12:57	4622.00	-421.00	1.00	3,95	
		-	-				-	
1.5	11/39 00	9.38	12.05	935.30	-212.00	2.13	080	
	11 42 00	9.39	12.09	640,63	-203.00	1.64	0.72	
PRAIRIE_AUX_ BH 103	11 45 00	9.40	12.14	830.17	-200.00	1.52	0.71	
	11 48 00	939	12:10	813.60	-199.10	1.29	0.79	
	16:31:00	8 98	12:22	886.70	-164.50	273	0.75	
PRARIE_AUK_ BH106	16:34:00	9.35	12.08	1274 00	-229.00	2.22	1.10	
	16:37:00	9.41	12.00	1272.00	-242.90	1,69	1:19	
	15:40:00	9.43	11.98	1272.60	-250 20	1.62	1.10	
PRAIRIE_AUK_ BH (10	10.29:00	7.62	12.70	4057.00	86 80	11.19	3.45	
	10:32:00	7.60	1251	4045 00	129.50	9,43	3.45	
	10:35:00	7.60	12.47	1045 00	169.00	8-49	3.45	
	16.38.00	7.60	12.35	4006.00	100.00	7.72	3.46	
	10.42:00	7.59	12.29	1022.00	265.20	7.5)	3.46	
Remarks:				W/A-				
Demos Title	rairie Sita Ground	nivestigation W	orks	(me	South Tees Dave	opment Corporation	in	
	Counter by			South Tees Development Corporation				
8	Ding traced 05/11		Provini 2 of 3	AEG Domini No.			8	

THE RESIDENCE OF SEALTH SAME THE EMPLOYEE TO SEAL THE SEAL SAME THE SAME THE SEAL SAME THE SEAL SAME THE SEAL SAME THE SAM

Date of Test: 02/07/2020			Operator:	Operator: A Mastermani			
Weather Co	andition (inc temp	ndition (inc temperature) :		Overcast/Showers (11°C)			
Monitoring Point	Time (hes)	pH	Temp. (°C)	Electrical Conductivity (Actual) (µs)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolved Solids (ppm)
PRAIRIE_AUK_ BH105	10 13 00	7.76	11.23	1394:10	+168.80	3.11	1,23
	10 16 00	7.71	11.21	1462.20	-397.00	7.53	1,29
	10 19 00	7.43	11,23	1598.80	-185.50	1.80	1.41
	10 22 00	737	11.27	1623 20	-179.50	1.80	1.43
	11 44 00	6.93	12 00	2177 60	910	6,26	1.68
Ī	11:47:00	6.94	12.02	2178.60	12:10	7.05	1.88
1	11.50.00	6.94	12.17	2188.90	16.60	9:01	1.88
	11.53.00	6.92	12.07	2184.30	-150	5.44	1.89
PRAIRIE_AUR_	11:56:00	6.91	11.78	2168.00	-29.50	3.70	1.89
	11.59:00	6.91	11.75	2167.00	40.30	2.99	1.89
	12:02:00	6.90	11.81	2172.30	-56.30	3.23	1.89
	12.05.00	6-89	11.63	2162.50	-71.50	2.24	1.89
	12:08:00	6.89	11.55	2166.20	-78.90	3.12	189
	09:06:00	7.69	11.23	2645.00	-156.90	4.52	234
	109 ft.00	7.17	11,26	2935 30	-141.70	3.36	2.59
PRAIRIE AUK_ BH108	09:14:00	5.96	11 28	2971 80	-125.70	2.15	2.62
(Deep)	09:17:00	8.92	11.29	2979 60	-110.20	211	2.62
	09:20:00	5.90	1128	2984.50	-103:30	1,77	263
James de la d	09/33:00	7.40	11.64	2368 40	-174.90	20,18	2.00
PRARIE_AUK_ BH 108-	09 36 00	7.39	11.63	2400.00	-182.20	16.98	2.10
(Shallow)	09 39 00	7.38	11.54	2402 90	-181 BD	17.37	2.10
	13.22.00	5.53	12.15	5418.60	-103-40	9.04	4 69
PRARIE_AUK_	13:25:00	fl.53	11.67	5378 40	-114.70	5.25	4 00
BH109	13.28 00	6.53	11.52	5344.30	-113.00	4.76	4 58
	13.31.00	6.54	11.45	5312,60	110.50	4.12	4.66
Remarks:		PRAIRIE	AUK_BH108 (Sha	Bowl - Testing und	ensien in containe	(not in line)	
oriner line	airle Site Ground	Investigation W	orks	Shire	South Tees Devel	openent Corporatio	in
	December By	LC		Apriored By	KW		
1	Olive Israeu. OS/11	/202p	Fage No. 3 of 3	All III-Comines No.	4251		8

Hydraulic Conductivity: Slug Test Results

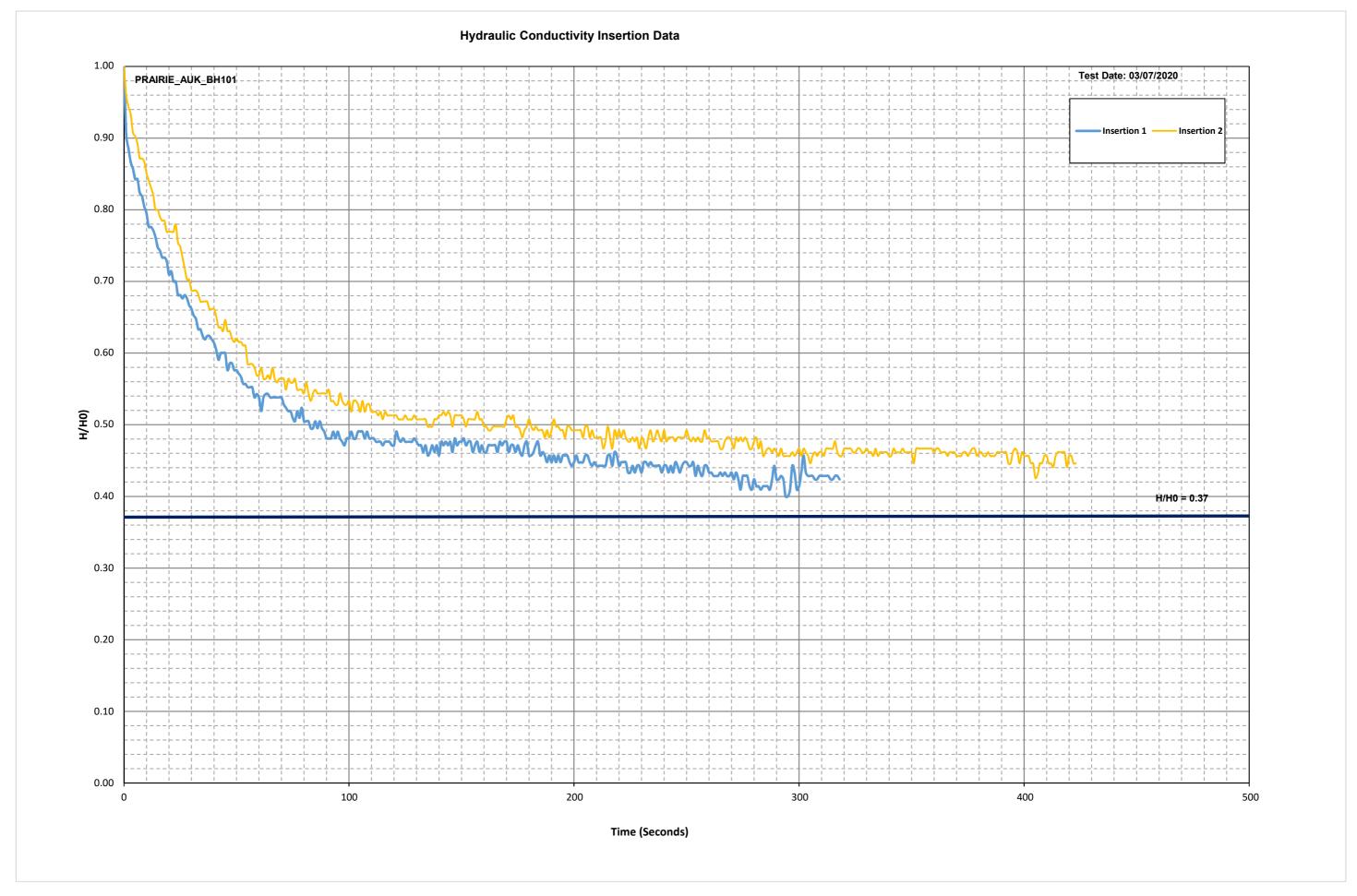




Contract: Prairie Site Ground Investigation Works Contract No.: 4251

Date: 05/11/2020 **Sheet**: 1 of 15

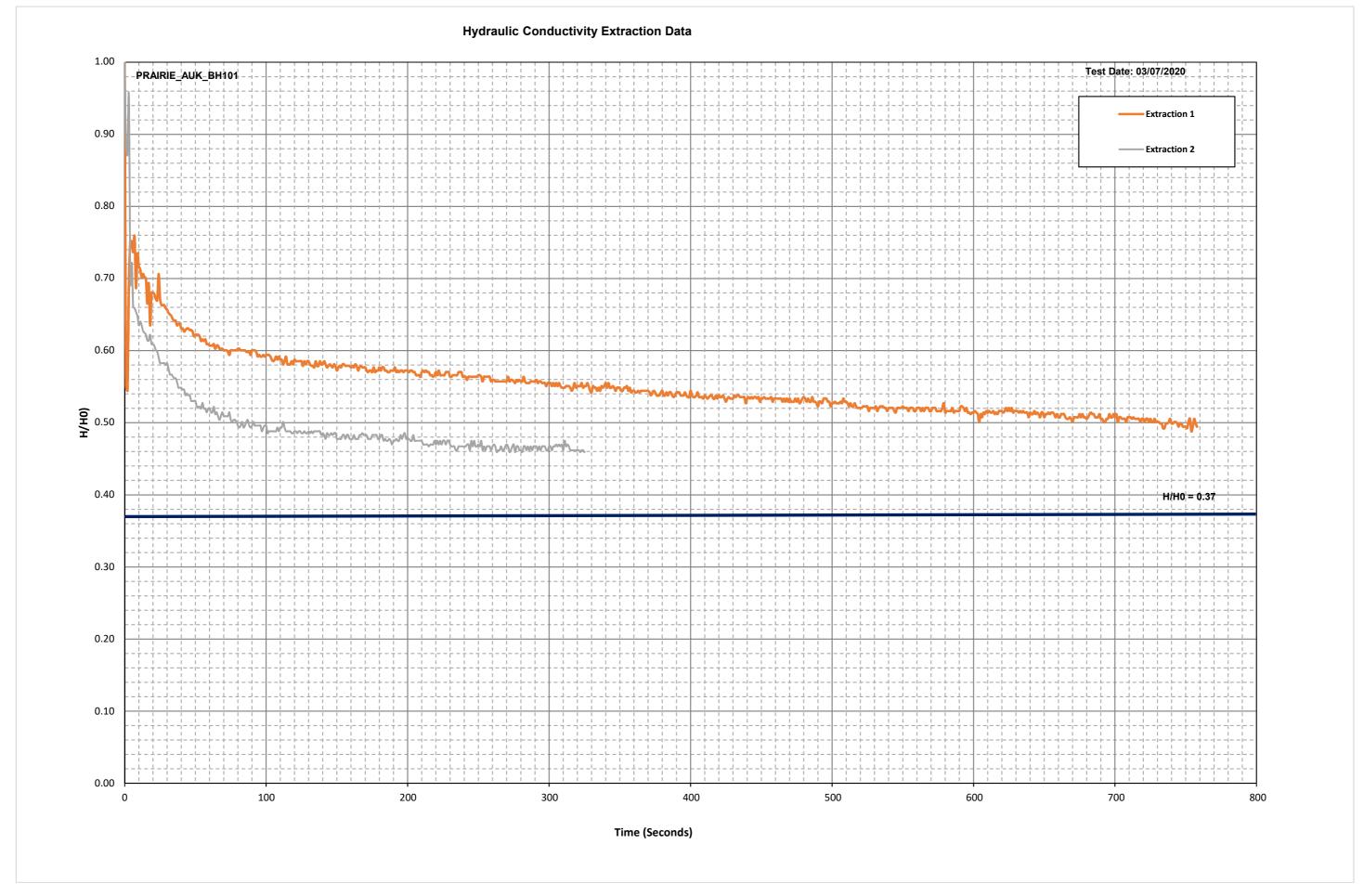
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works Contract No.: 4251 Date: 05/11/2020

Sheet: 2 of 15

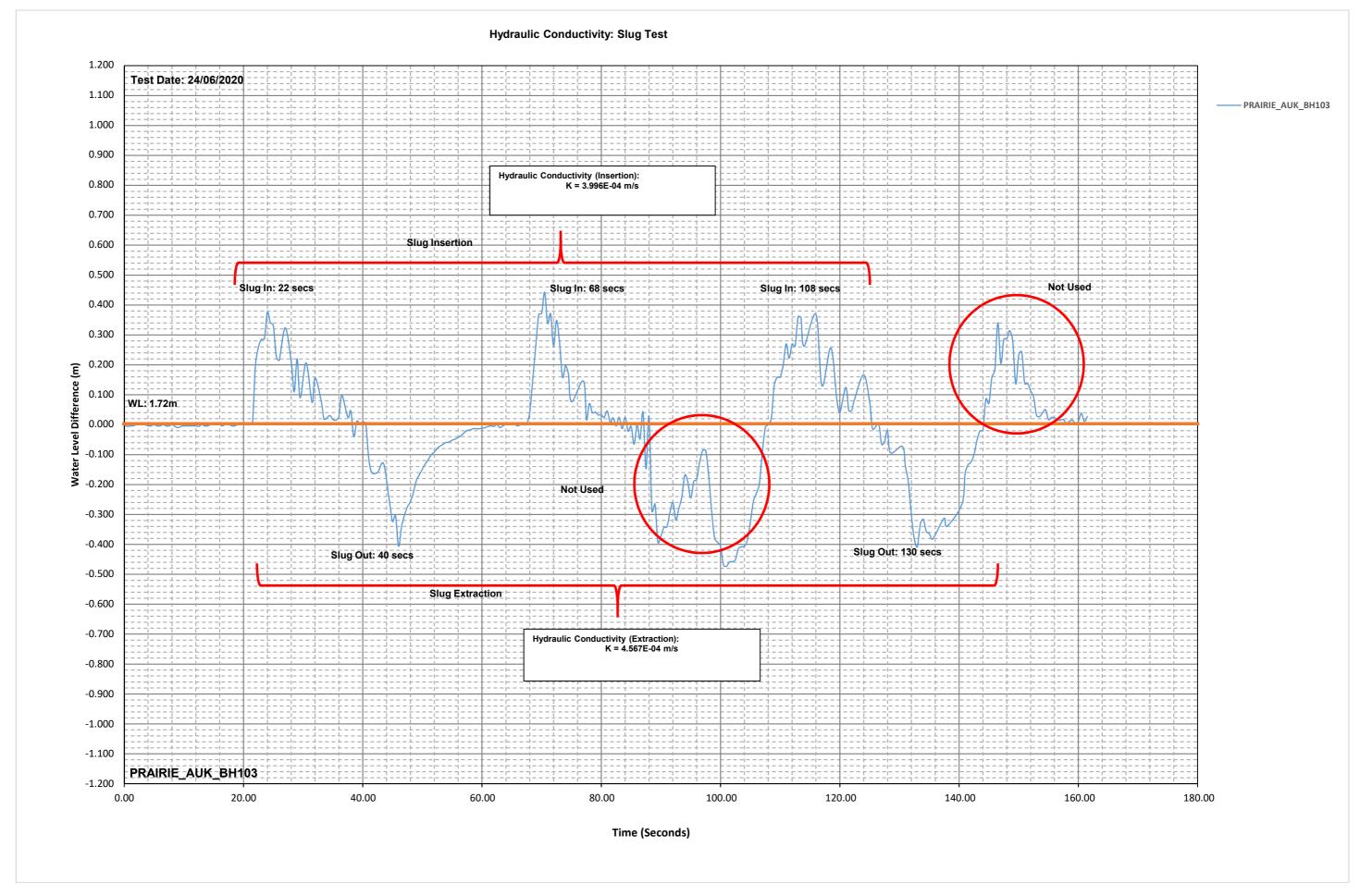
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works Contract No.: 4251 Date: 05/11/2020

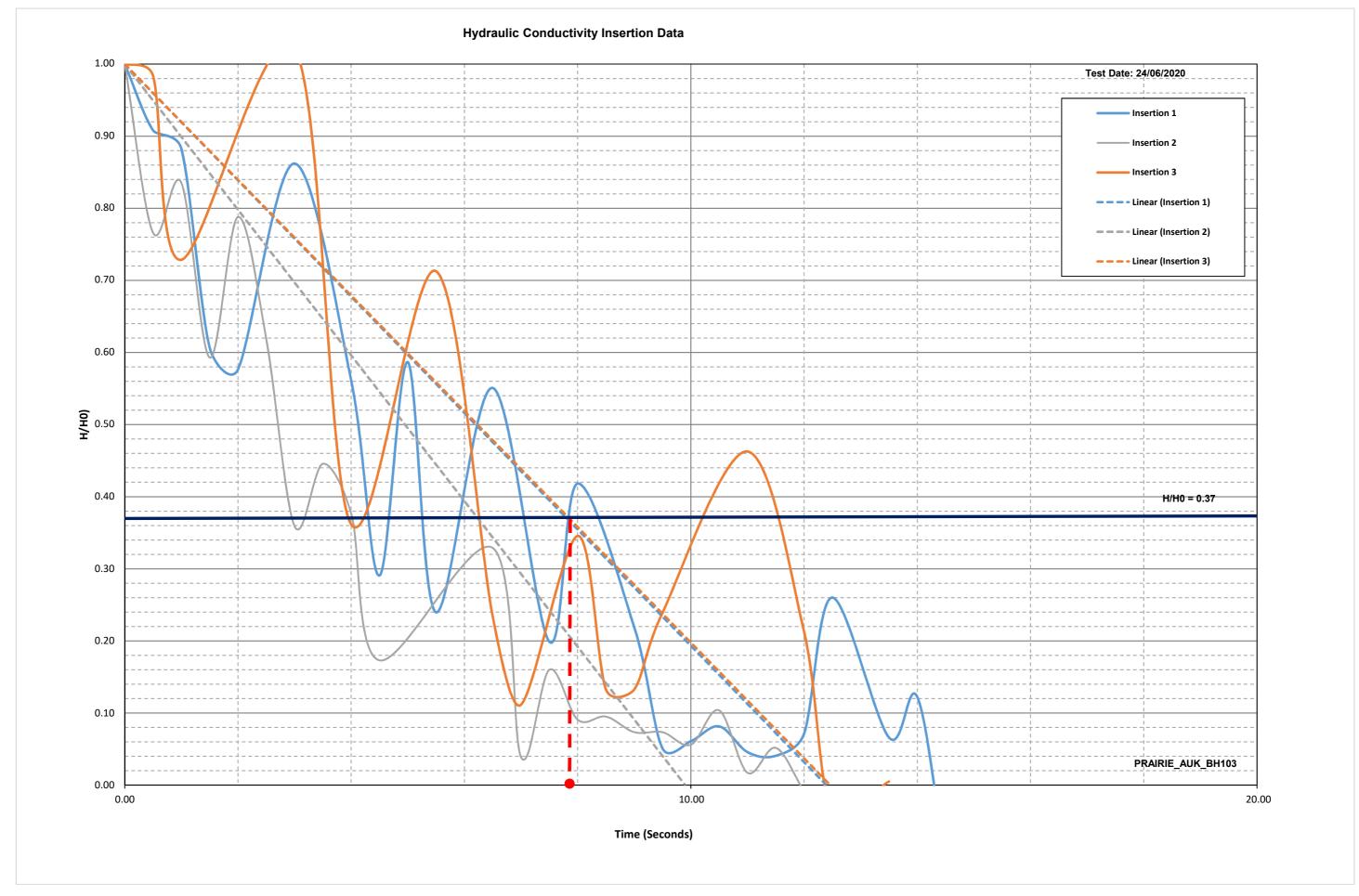
Sheet: 3 of 15

Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



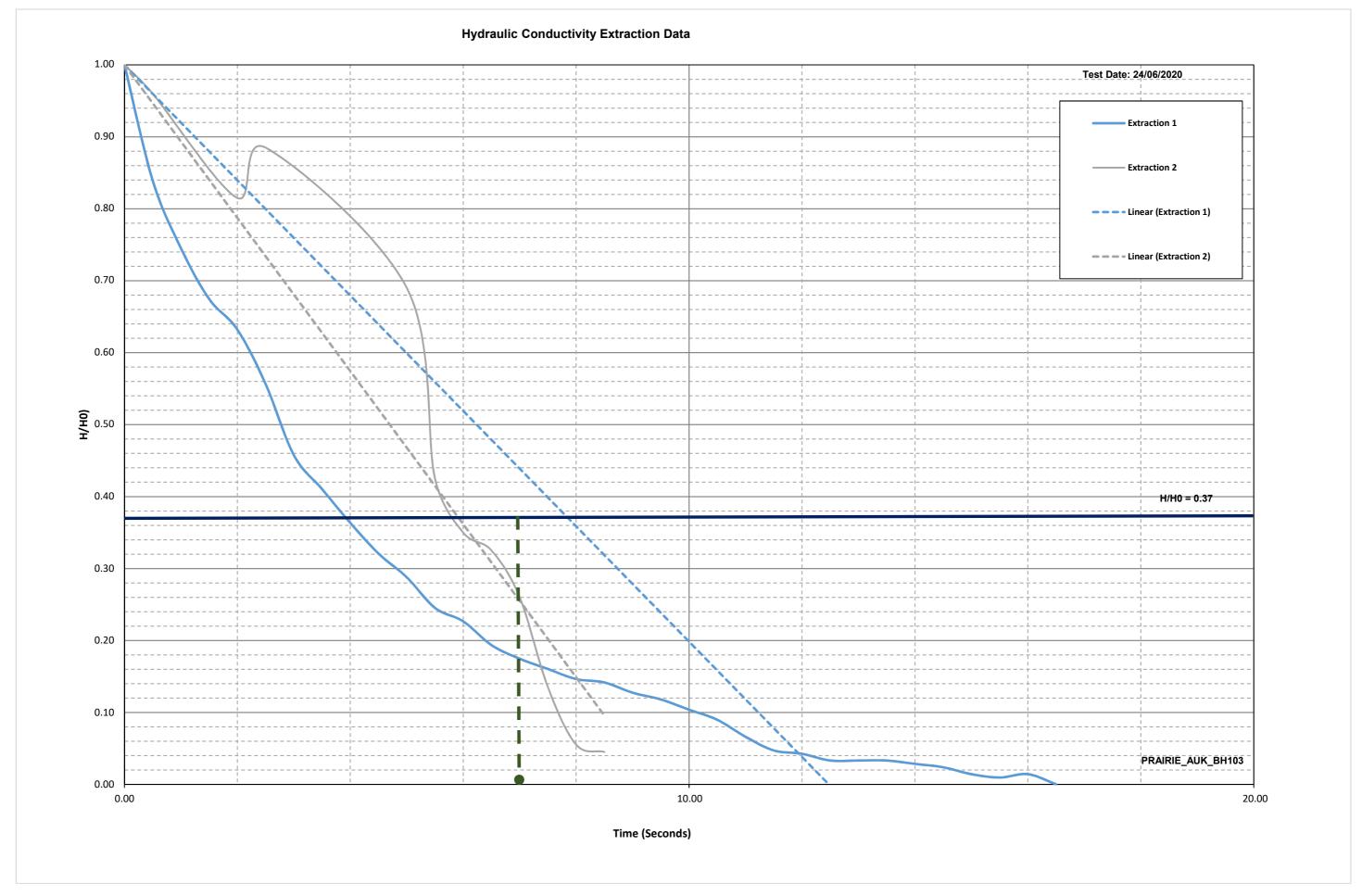
Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 4 of 15



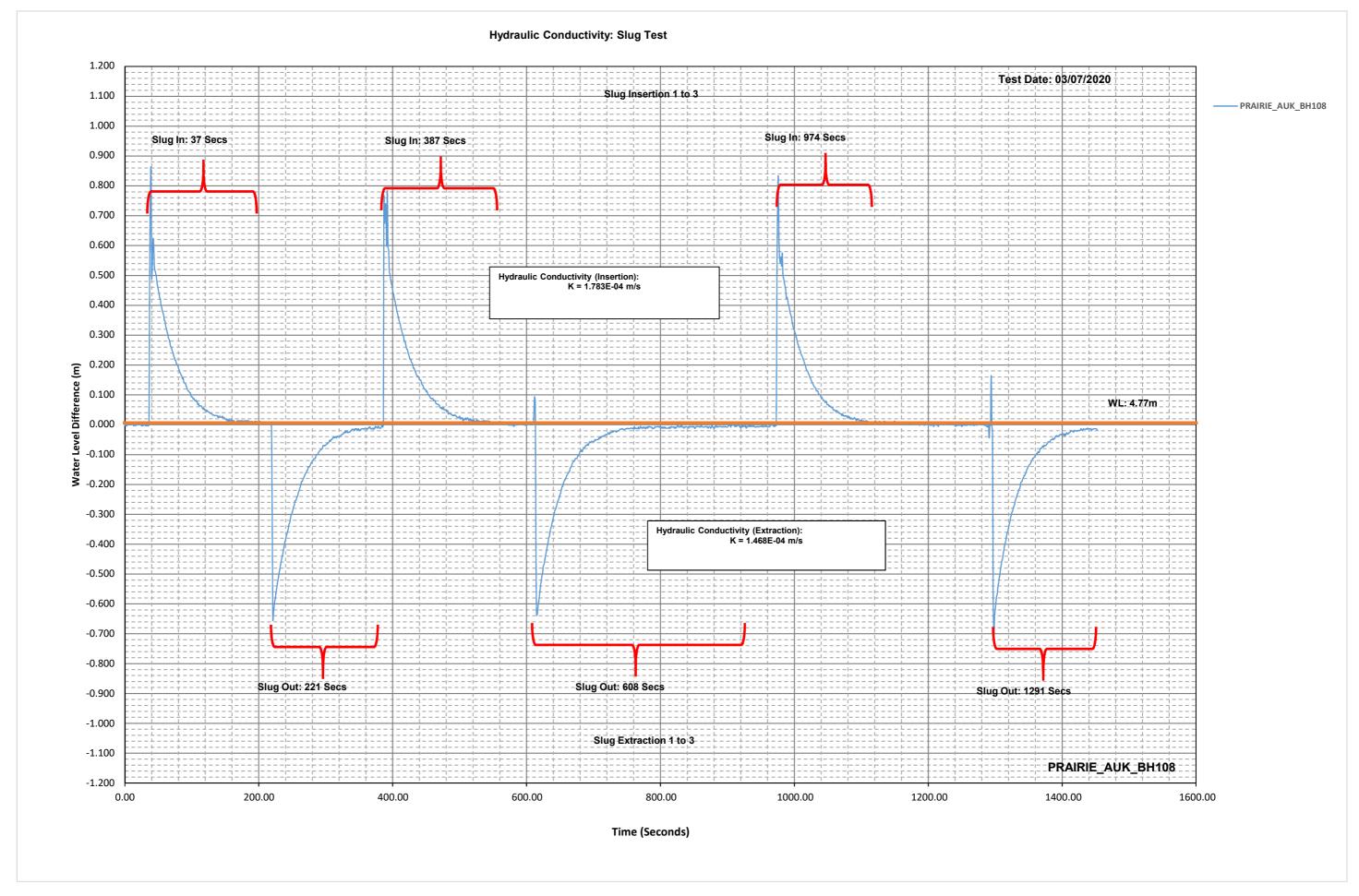
Contract: Prairie Site Ground Investigation Works Contract No.: 4251

Date: 05/11/2020 Sheet: 5 of 15



Contract: Prairie Site Ground Investigation Works
Contract No.: 4251

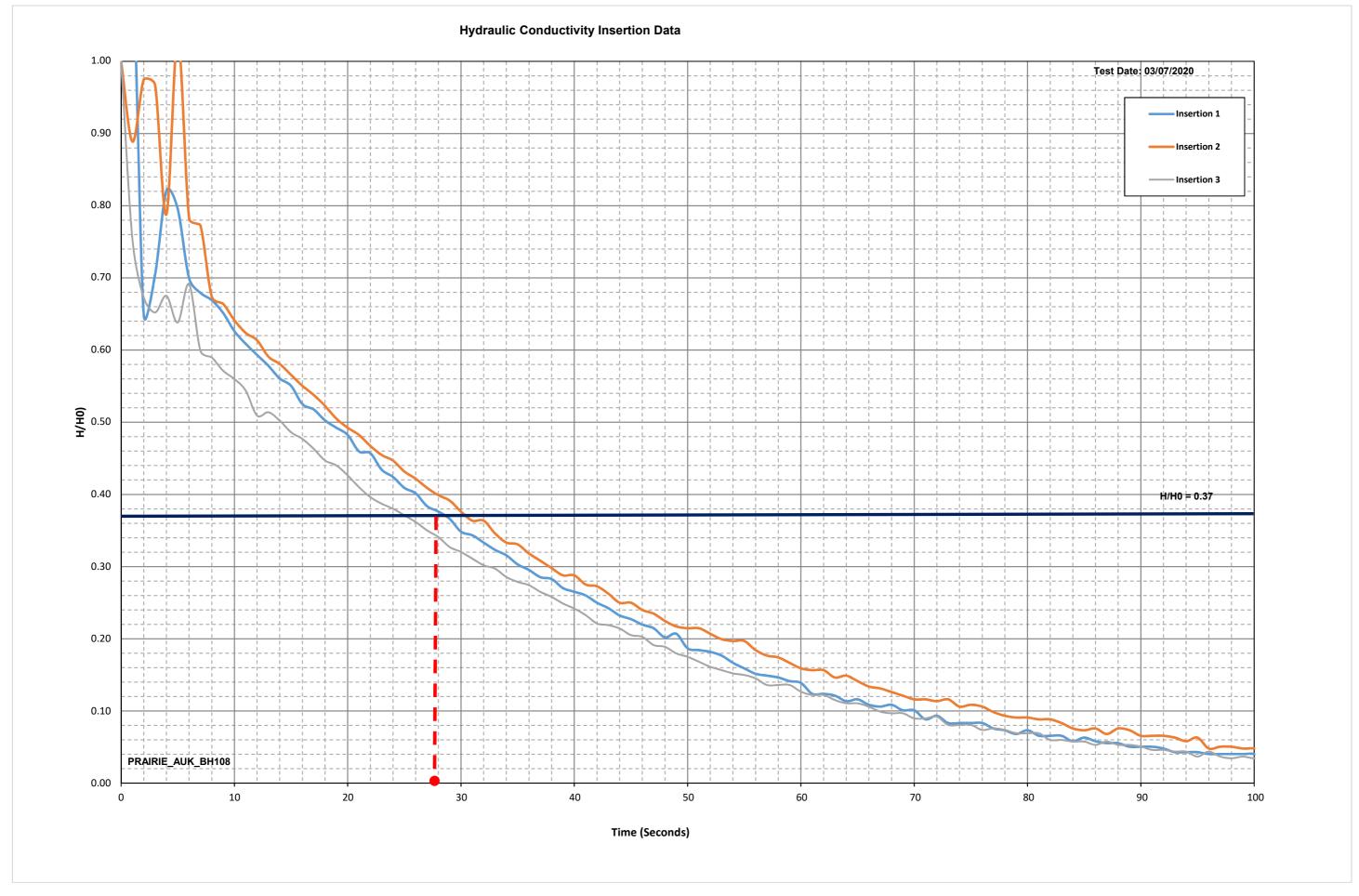
Date: 05/11/2020 **Sheet:** 6 of 15



Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 7 of 15

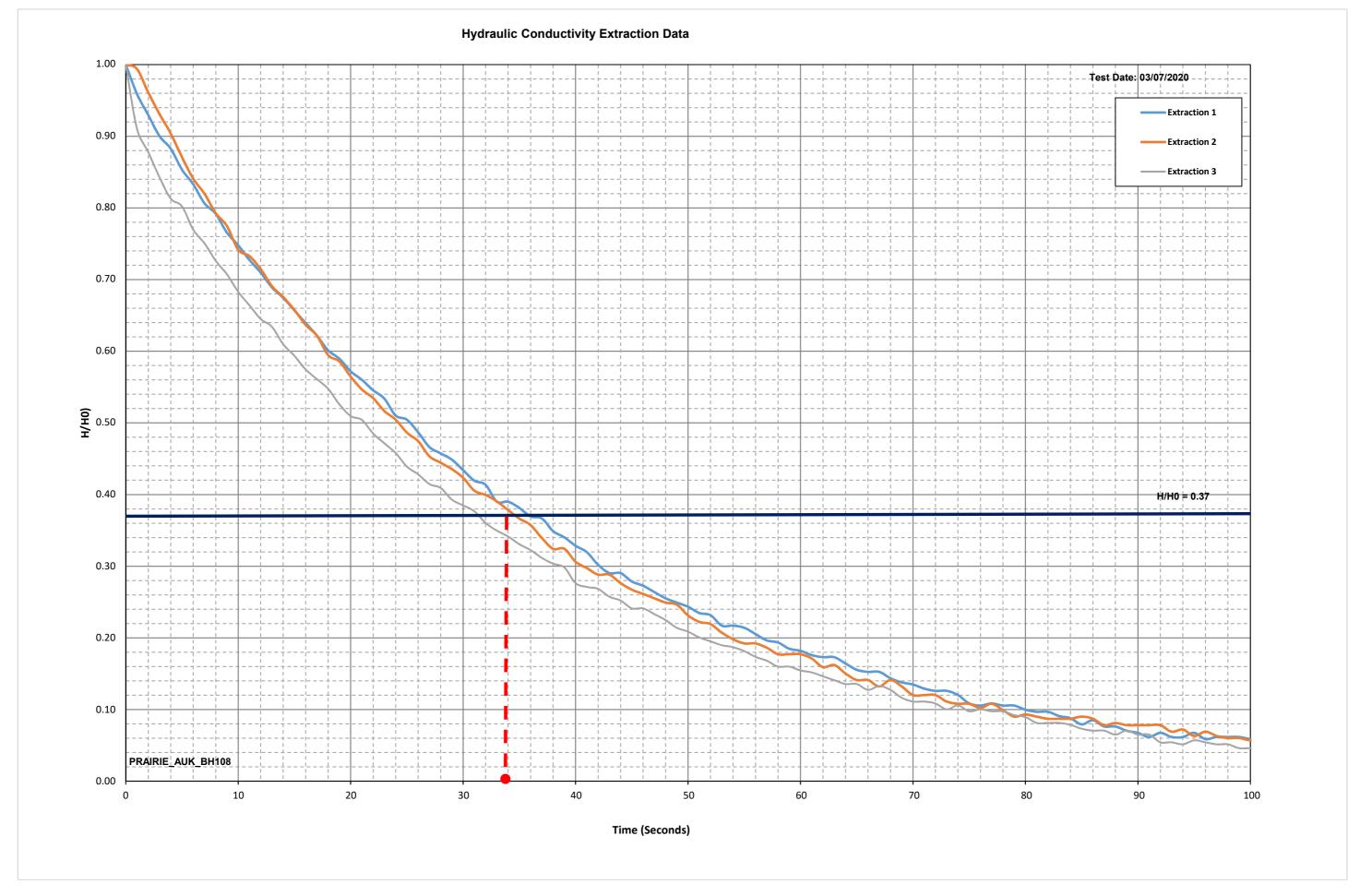
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 8 of 15

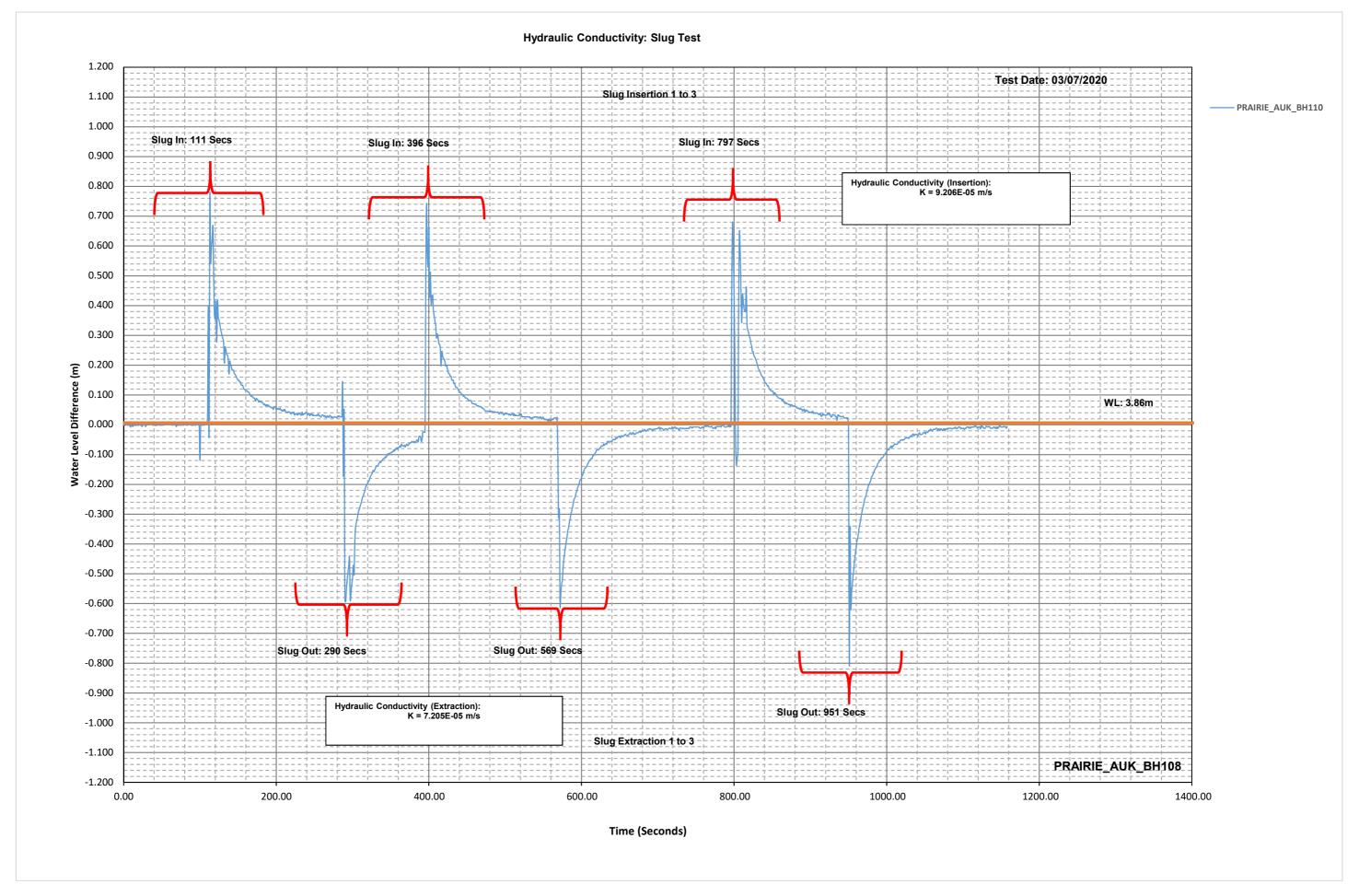
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works **Contract No.:** 4251

Date: 05/11/2020 **Sheet:** 9 of 15

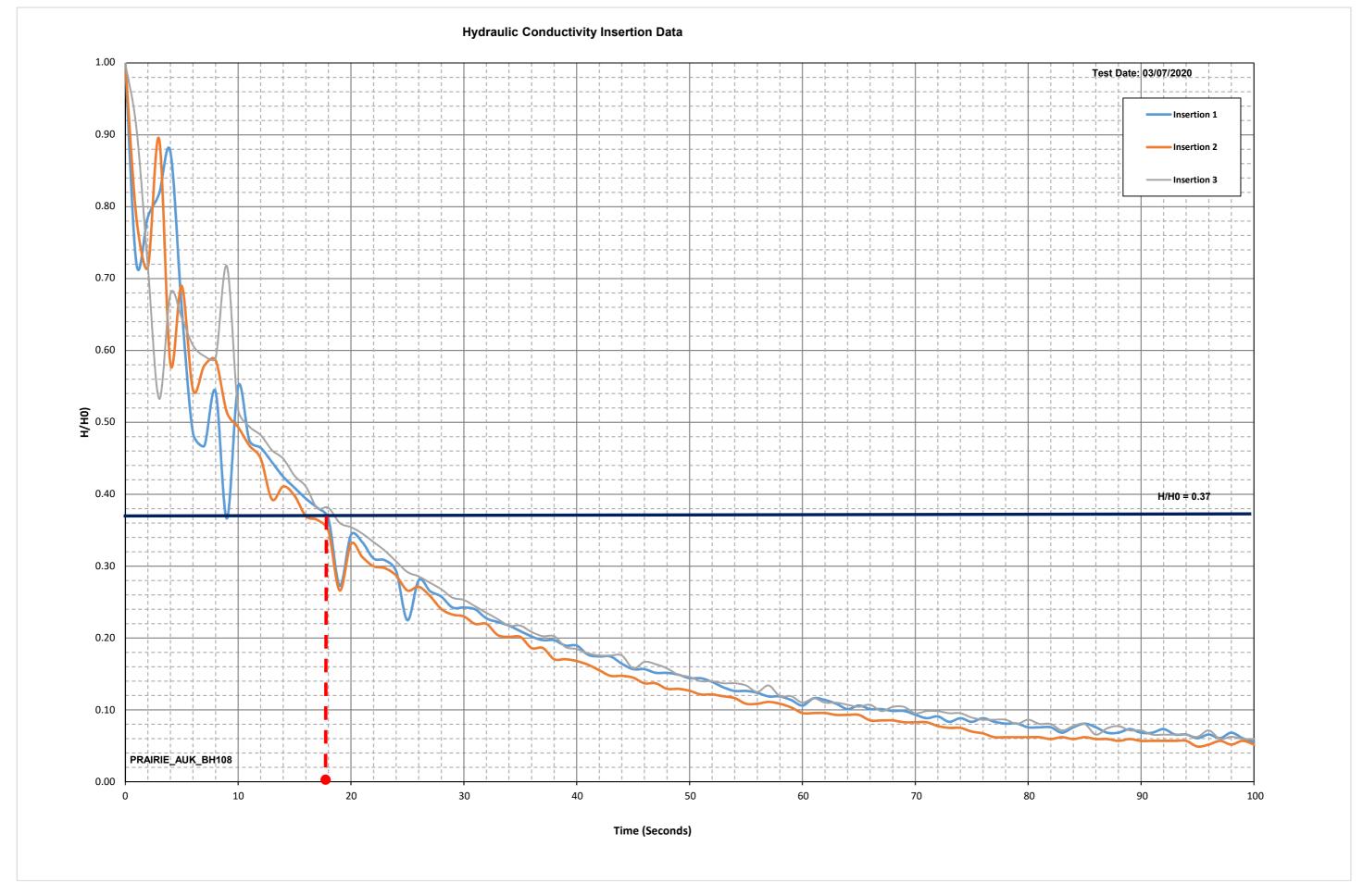
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 10 of 15

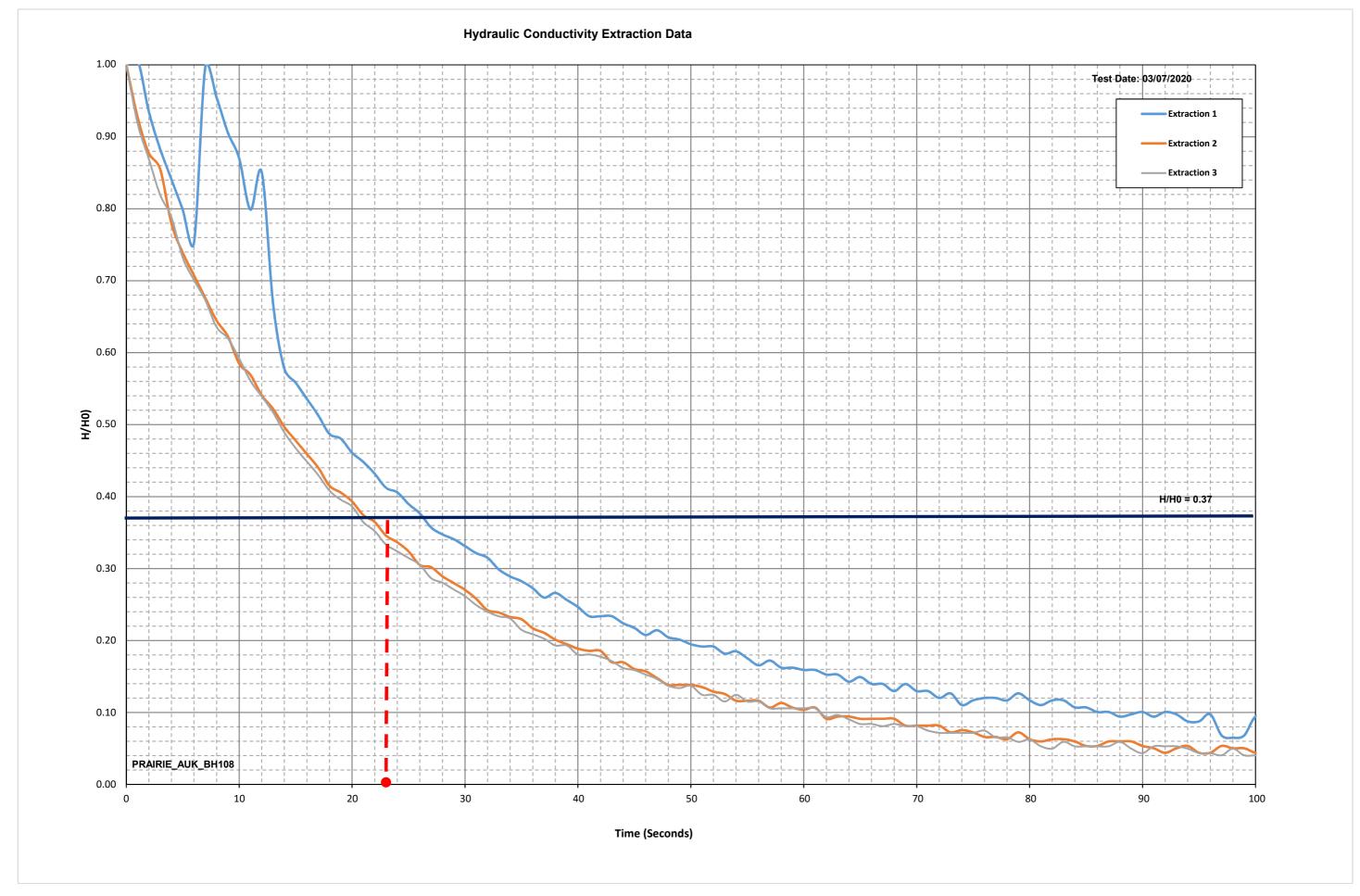
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 11 of 15

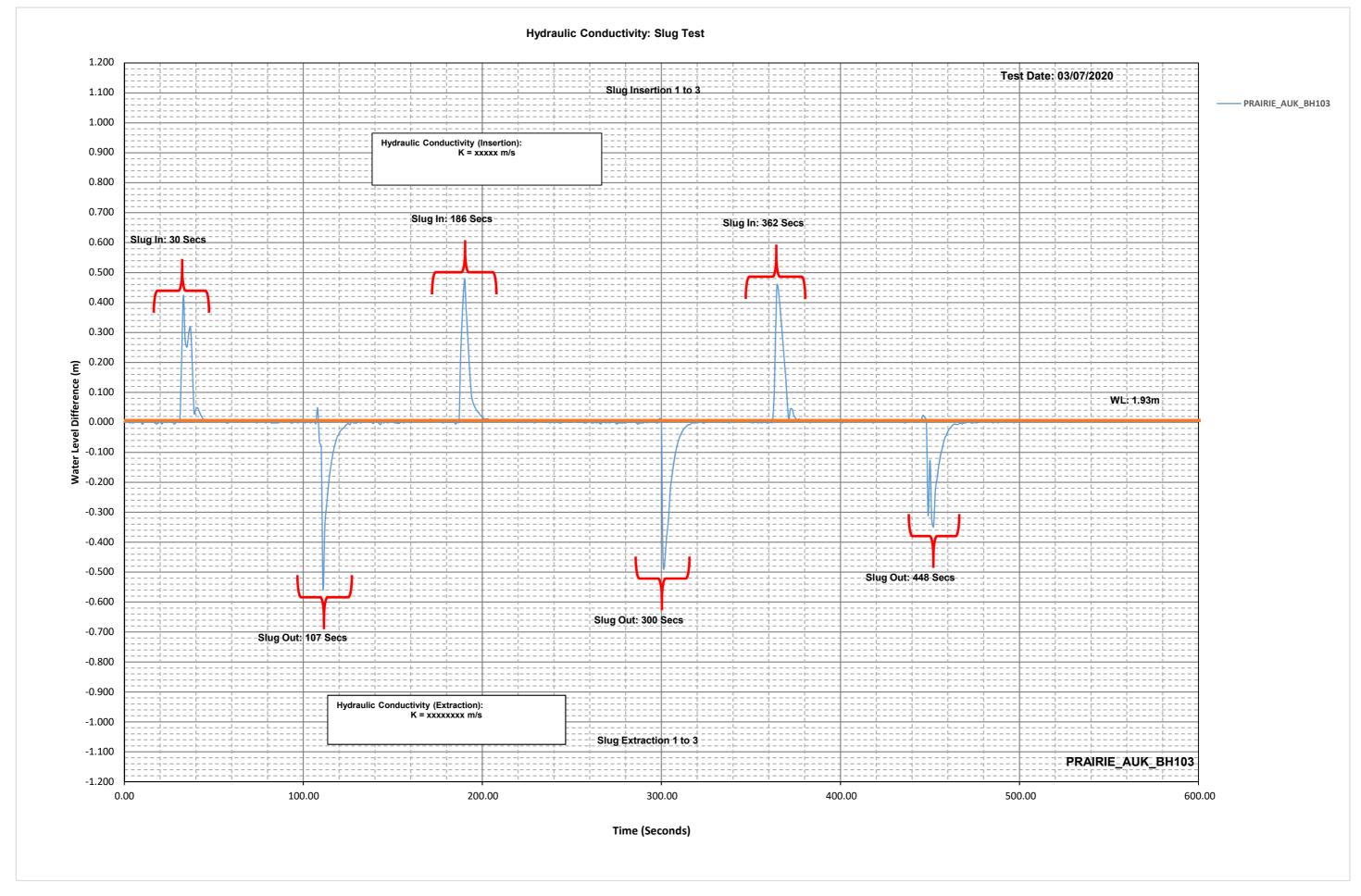
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works Contract No.: 4251

Date: 05/11/2020 **Sheet**: 12 of 15

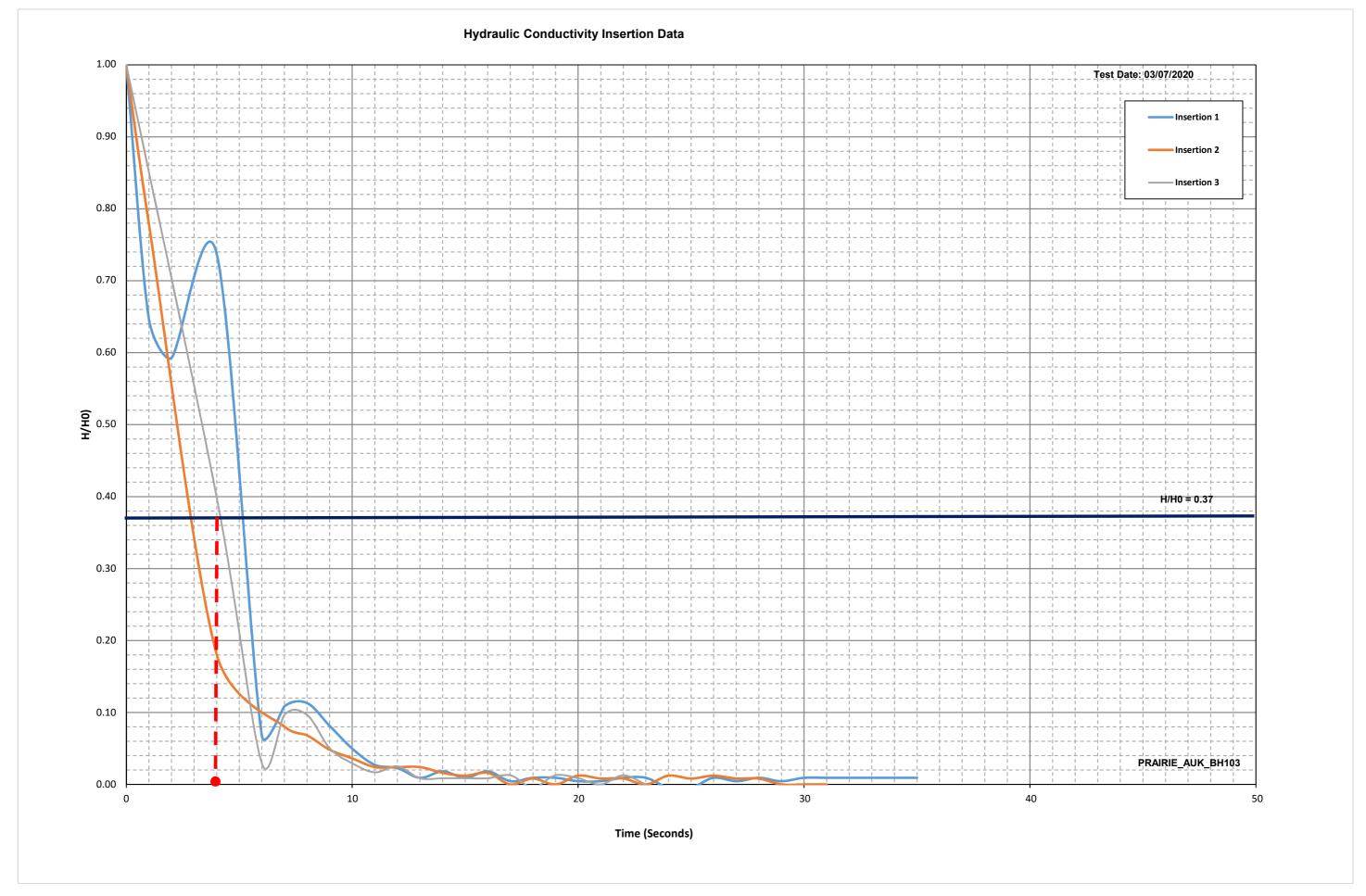
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 13 of 15

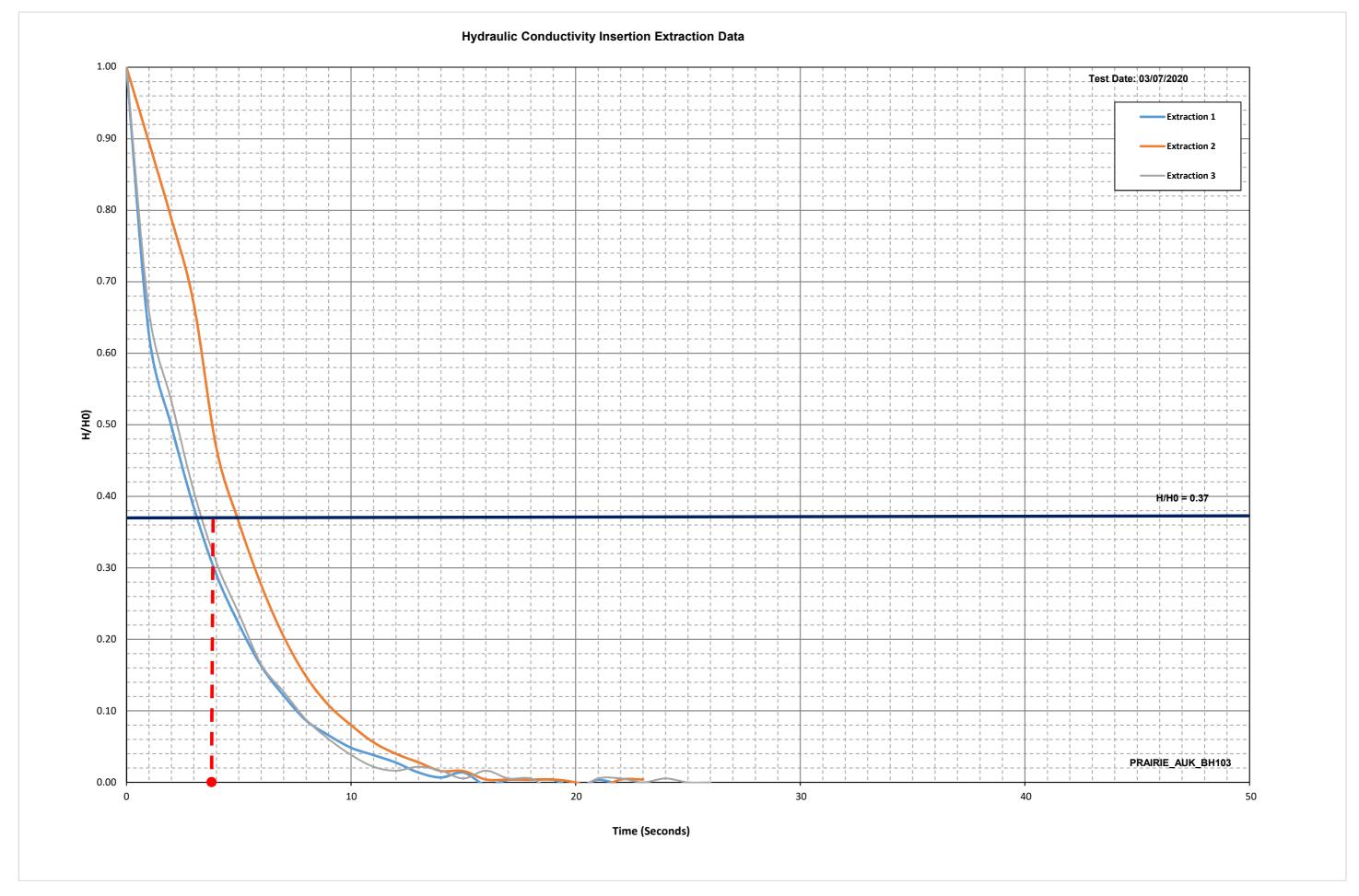
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works **Contract No.:** 4251

Date: 05/11/2020 **Sheet**: 14 of 15

Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 15 of 15 **Laboratory Report Certificate**



The Control of the Co



LABORATORY REPORT CERTIFICATE



Contract Title:	Prairie Site Ground Investigation Works	AEG Reference:	4251
Client:	South Tees Development Corporation		
techniques outlin	aboratory testing was carried out on samples ned in BS 1377 1990, BS EN ISO 17892:201 are received from April 2020 and the followin	14 or other appropriate	e standards as quoted
The tests carrie number of pages	d out are indicated in the attached table st	howing the enclosure	number and the total
For and on beha	If of Allied Exploration & Geotechnics Limited		
	Nick Vater (Managing Director)		
	Kevin Warriner (HSE & Quality Director)		
V	Michelle Selkirk (Laboratory Manager)		
Signed	msæx	Date: 06 N	ovember 2020
Tests marked a	of LIVAS appropriate in this sertificate are not	included in the LIPAS	accreditation achedule

Please note the material was derived from samples taken outside the control of the laboratory

laboratory's UKAS accreditation

for our laboratory. Any opinions and interpretations expressed herein are outside the scope of the

LABORATORY REPORT CERTIFICATE

ENCLOSURES

Enclosure Number	Description	UKAS Accredited	Reference	No. of Pages
0	Laboratory Report Certificale	N/A		3
·· 1 —	Sample Description Sheets	N/A		- 11
2	Mo sture Content	l - Yes	BS 1377 Part 2 1920 (BS RN ISO 17892 (17014)	1
2	Plasticity Index and Molstere Content	Yes	BS 1977 Part 2 1999 788 PN 1970 17892-1 2014)	8
3	Determinal on of Porticle Density	Yes	BS 1377 Part 2 1990	1
4	Particle Size Distribution Sleving	Yes	BS 1377 Part 2 1990	76
4	Particle Size Distribution Sedimentation	No No	BS 1377 Part 2 1990	25
5	Determination of Calorific Value, Organic Matter Content, Sulphate and pH (Tested externally)	No.	See DETS certificates	19
6	Determination of Dry Density Moisture Content Relationship	Yes.	BS 1377 Part 4 1990	39
7	Determination of Californ a Bearing Ratio	Yes	BS 137/ Pa1 4 1990	35
8	Determination of One Dimensional Consolidation Properties	Yes	, BS 1377 Part 5 1990	 4 L
9	Shear Strength by Hand Vane	No No]	1
13	Uncrained Shear Strength in Triax at Cell without Pore Water Pressure Measurement	Yes	BS 1377 Part 7 1990	2
11			ISRM 1985	1
12	12 Determination of Unconfined Compressive Strongth (Testod externally)		ISRM: 1965	·
13	Stag Analysis (Tested externally)		i	20

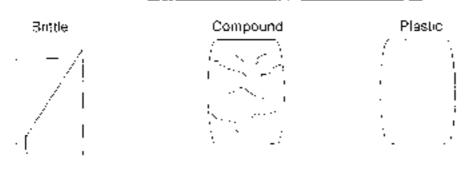
LABORATORY REPORT CERTIFICATE

ABBREVIATIONS

All the abbreviations used on the laboratory certificates are given below.

Br	Brittle	PSD	Particle Size Distribution by seeve analysis
Ċ	Compound	SB	Shear Box
CBR	Californ a Bearing Ratio	SED	Sedimentation Analysis
CDT	Consolidated Drained Triaxial	SO4	Sulphate (total, water extract, groundwater)
CL	Chloride content (water or soil)	CP2	Dry Density/Moisture Content 2 5kg rammer
US	Unsuitable sample for test	CP4	As above using 4 5kg rammer
UUT	Uncrained Unconsolidated Triax al	CPV	As above using vibrating hammer
HSV	Vane Tost	CUT	Consolidated Undrained Triaxial
IS	Insufficient sample for test	R	Remoulded
LOI	Loss On Ignition	U	Und sturbed
M	Multi-stage testing	MC	Moisture Content
MCV	Moisture Content Value	PL	Point Load
NAT	Natural preparation method	NMC	Natural (or as received) moisture content
P	Plastic	PFH	Permeability Falling Head Method
ΦED	Oedometei	PTXL	Permeability in Triaxial Cell
OMC	Optimum Moisture Content	ORG	Organic content
В	Large disturbed (bulk) sample	PD	Particle Density (SG)
J	Small disturbed (jar) sample	Pi	Liquid limit, plastic limit and plasticity index

Typical Mode of Failure for Triaxial Testing



Sample Description Sheets



LABORATORY SAMPLE DESCRIPTION SHEET				
Exploratory Sample Hole No. Depth (ni) ID			Description	Laboratory Tests/Remarks
PRAIRIE_AUK_BH	101 3.00	U2	Low strength faminated brown sity CLAY of intermeds with occasional sit lenses.	te plasticity MC PI PD UUT
PRAIRIE_AUK_BH	101 4.00	.14	Brown slightly sandy CLAY	S04
PRAIRIE_AUK_BH	101 4.00	B5	Brown silty slightly sandy CLAY	PSD SEO
PRAIRIE_AUK_BH	101 500	117	Low strength laminated brown sity slightly sandy CLA intermediate plasticity.	of MC PI UUT
PRAIRIE_AUK_BH	101 8,00	U12	Medium strength laminated brown sity slightly sandy 0	LAY. UUT
PRAIRIE AUK BH	101 9.00	J14	Brown slightly sandy CLAY	\$04
PRAIRIE_AUK_BH	101 11,00	U18	High strength brown slightly sandy slightly gravelly CLI plasticity.	Y of low MC PI PD UUT
PRAIRIE_AUK_BH	101 12 50	J21	Brown slightly sandy gravelly CLAY.	MC Pr(IS for LL)
PRAIRIE_AUK_BH	1101 12 50	822	Brown slightly sandy slightly gravelly CLAY with a med content.	num cobble PSD SED
PRAIRIE_AUK_BH	1101 17:00	J30	Brown slightly sandy gravelly CLAY.	BRE
PRAIRIE_AUK_BH	101 18.00	J33.	White and brown slightly sandy GRAVEL	MC BRE US for PI
PRAIRIE_AUK_BH	1103 2.50	IJ2	Medium strength brown slightly sandy CLAY	DUT QED
PRAIRIE_AUK_BH	1103 295	13	Brown slightly sandy CLAY of high plasticity	MC PI
PRAIRIE_AUK_BH	1103 4.50	US	Medium strength brown slightly sandy GLAY	UUT
PRAIRIE AUK BE	1103 5.50	B12	Brown sity slightly sandy CLAY.	PSD SED
PRAIRIE_AUK_BE	1103 7.00	U14	Medium strength laminated brown CLAY with occasion	al sill pockets. UUT
PRAIRIE_AUK_B	1103 8.50	318	Brown sandy slightly gravelly CLAY of low plasticity.	MC PI
PRAIRIE_AUK_BI	4103 E.50	B19	Brown slightly sandy slightly gravelly CLAY	PSD SED
PRAIRIE_AUK_E	1103 10 00	UZI	High strength brown slightly sandy slightly gravelly Cl.	YOU Y
PRAIRIE AUX EN	1103 13 00	J27	Brown sandy slightly gravelly CLAY of low plasticity	MC PI BRE
PRAIRIE AUN B	1104 5.50	U2	High strength brown slightly saridy CLAY	UUT
Contract Title -		_	Olient -	

Date of house -03/11/2020

Name -

Certificate No -

50/4201/1

Page 1 of 11

AEG Contract No. -

4251

