Client:

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





Figure PRAIRIE_AUK_TP195.2 PRAIRIE_AUK_TP195



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





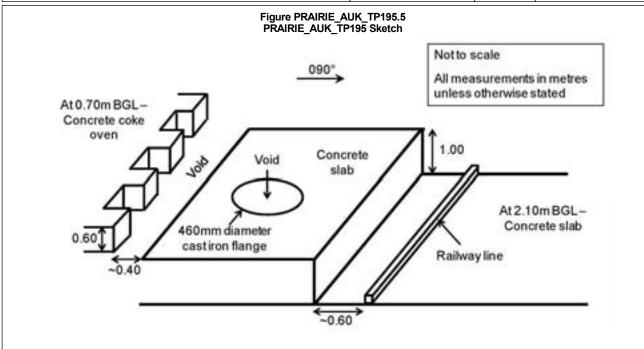
Figure PRAIRIE_AUK_TP195.4 PRAIRIE_AUK_TP195 - Spoil



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



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<u>^</u>		Regional Office: U	nit 20 Bus	siness Develo	opment Centre	, Eanam Whar	f, Blackburn, BB1 5BL Tel: 01772 735 300 Fax: 01772 7	35 999
		Status:- FINAL						
Project:	n Works	Exploratory Hole No.						
Client:	South Te	es Development (Corpo	ration		Location		PRAIRIE_AUK_TP196A
Method (Equipm	ient): Machin	ne Excavated (360	Trac	ked Exc	cavator)		E:454436.008 N:520967.820 Ground Level (m): Start Date: 29/04/2020	Sheet: 1 of 4
SAM	IPLES 8	k TESTS					STRATA	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Description	
1.40	ES1			9.79 9.59 9.19		(1.40) - 1.60 - 1.60 - 2.00	MADE GROUND (Brown grey very sandy grontent. Sand is fine to coarse and include Gravel is fine to coarse subangular and include red brick, concrete and slag. Slag ovesicular grey). at c.0.50m BGL 300mm cast iron pipe rumber of the coarse. Gravel is fine to coarse. Gravel is fine and includes slag. Gravel slag content is 7 angular and include slag. Cobble slag content vesicular grey/grey green. Strong hydrocar sheen noted). Firm brown grey mottled black CLAY. Hydr from strata above. Complete at 2.00m BGL.	s predominantly ash. cludes slag, sandstone, cobbles are angular and content 0-25%. Slag is unning 000 degrees. If with medium cobble ne to coarse subangular 5-100%. Cobbles are tent is 75-100%. Slag is bon/creosote odour and
# G e		PLAN 3.00 Face A Orientation		acc	1 2.10		INDWATER ted strata at 1.80m BGL (Heavy inflow)	
Face		090° ∎ Face C				STABI Pit side	LITY es and base moderately stable throughout excav	ation.
Sketch Diag		TIONAL INFORM	IATIO			11 -	RAL REMARKS al pit excavated on slope.	
Photograp	ohs:	Yes		See add				

Checked by:

For explanation of symbols and abbreviations see Key Sheets

Logged by: D. Portsmouth

Contract No. 4251

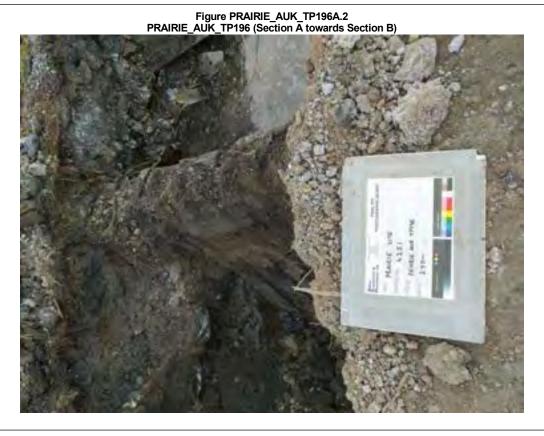
All dimensions in metres Scale 1:50

Client:

2 of 4

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

Figure PRAIRIE_AUK_TP196A.1 PRAIRIE_AUK_TP196A



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

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





South Tees Development Corporation

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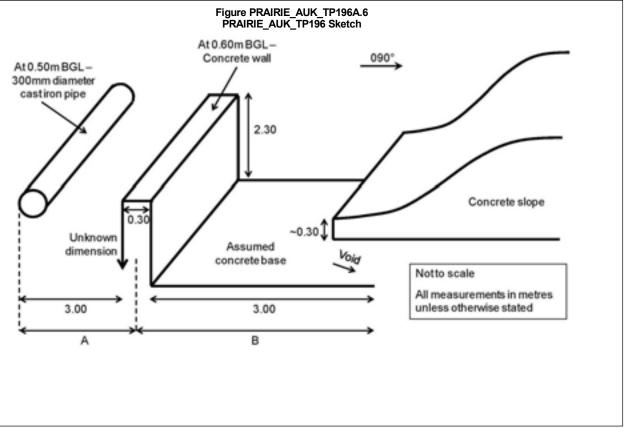
4 of 4



Client:

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





A	A	Head Office:	Unit 25 Ste	lla Gill Indust	trial Estate, Po		ter-le-Str		CS LIM 887 4700 Fax: 0191 38 735 300 Fax: 01772 7	7 4710
					TR	IAL PI	TR	ECORD		Status:- FINAL
Project:	Prairie Site Ground Investigation Works									Exploratory Hole No.
Client:	South Tee	s Development	Corpo	ration		Location	20	PRAIRIE_AUK_TP196B		
Method (Equipn		Excavated (36	0 Trac	ked Exc	cavator)	•	_	Ground Level (m): 11.190	Start Date: 29/04/2020	Sheet: 1 of 5
SAN	//PLES &	TESTS					•			
Depth	Type No	Test Result	Water	Reduced Level						
								DE GROUND (Grey sand		cobbles. Sand is fine to

Mathad (Causiana								0.008 N:520967.82	Start Date:	Sheet:			
Method (Equipme		e Excavated (36	0 Trac	ked Exc	avator)		Ground Level (m): 11.190 Start Date: 29/04/2020 1 of 5						
SAM	PLES &	TESTS				STRATA							
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		[Description				
				9.99		(1.20) - - - - - - - - - 1.20	coarse. Grav slag content slag content	50-75%. Cobbles is 75-100%. Slag	e subangular are angular a is vesicular).	and incl	udes slag. Gravel ude slag. Cobble		
				8.29		(1.70) - - - - - - - - - - - - - - - - - - -	boulder cont slag. Gravel include slag	UND (Grey grave) Lent. Gravel is fine slag content is 25, concrete and me e subangular and	to coarse sul -50%. Cobble tal. Cobble sl	bangula es are su ag conte	r and includes ubangular and		
								at 2.90m BGL - du	e to concrete	obstructi	ion.		
PLAN 3.00 Face A Orientation 9 090° _ 80 12						NDWATER ed strata at 1.8	80m BGL (heavy inf	low).					
Face D		090°Face C		о Ц	2.10	STABILITY Pit sides and base moderately stable throughout excavation.							
ADDITIONAL INFORMATION						RAL REMARK							
Sketch Diagr	ram:	Sk	etch Tak	en		(1) Trial pit excavated on slope.							
Photograph	ns:	Yes		See add shee									
All dimen	sions in ale 1:50					of symbo ee Key Sl		Checked by:	Logged D. Portsr	l by: nouth	Contract No. 4251		

Project:

Client:

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





Method (Equipment):

Machine Excavated (360 Tracked Excavator)

Start Date: 29/04/2020

3 of 5

TRIAL PIT RECORD **FINAL** Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP196B South Tees Development Corporation E:454436.008 N:520967.820

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

Ground Level (m): 11.190



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



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



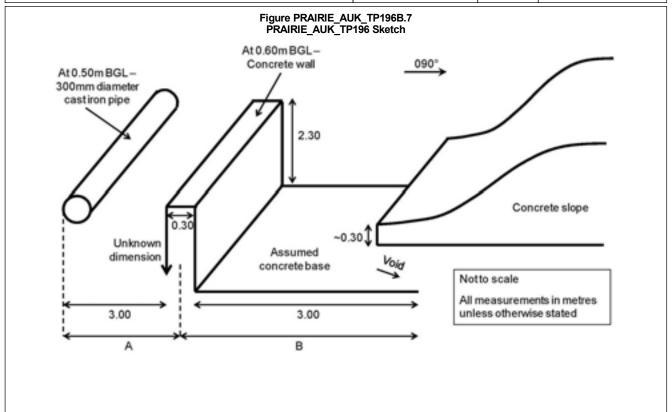


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TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP196B South Tees Development Corporation E:454436.008 N:520967.820 Start Date: 29/04/2020 Method (Equipment): Machine Excavated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



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Status:-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:52092	2.379	PRAIRIE_AUK_TP197 E:454449.745 N:520922.379				
=	ethod (Equipment): Machine Excavated (360 Tracked Excavator)					Start Date: 29/04/2020	Sheet: 1 of 4				
,					11.396		1014				
SAMPLES & TESTS Type Test	Ţ.	Reduced		Depth	STRATA						
Depth No Result	Water	Level	Legend	(Thickness)		Description					
		9.60		(1.80)	MADE GROUND (Brown of content. Sand is fine to concorder. Sand is fine to concorder. Gravel slag continclude red brick, concrete. Slag is vesicular grey). MADE GROUND (Brown of boulder content and metal includes ash. Gravel is fine sandstone, red brick and of Cobbles are angular and imetal. Cobble slag contentinclude concrete. Slag is with Terminated at 2.80m BGL.	grey very gravel a (girders). Sand i e to coarse subar concrete. Gravel senciude red brick, t is 0-25%. Bould esicular grey).	s ash. Gravel is fine to tone, red brick and obbles are angular and e slag content is 0-25%. and cobbles with low s fine to coarse and ngular and includes slag, slag content is 25-50%. concrete, slag, wood and lers are angular and				
PLAN					INDWATER ted strata at 1.80m BGL (heav	v inflow)					
# 4.00 Face A			1	Gatural	aca saala at 1.00111 DOL (116aV	у п шо <i>w ј</i> .					
O Orientation 090° ■		race D	1.50	STABI Pit side	LITY es and base moderately stable	throughout excav	ation.				
Face C			. 1								
ADDITIONAL INFOR	MATIO	N			RAL REMARKS						
Sketch Diagram: SI	etch Tak	en		(2) No (3) Tria	al pit excavated on slope. samples taken. al pit excavated across slope e ng sketch.	xposing various su	ubsurface structures - refer				

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No.

4251

All dimensions in metres

Scale 1:50

Project:

Client:

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





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 Ground Level (m): 11.396 3 of 4

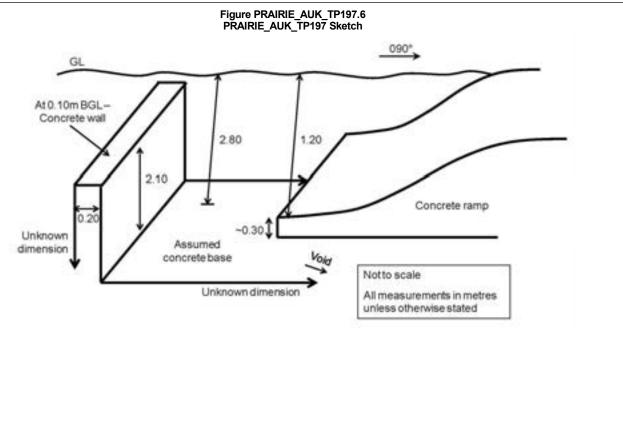




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Status:-TRIAL PIT RECORD **FINAL** Project: Prairie Site Ground Investigation Works Exploratory Hole No. Client: Location: PRAIRIE_AUK_TP197 South Tees Development Corporation E:454449.745 N:520922.379 Start Date: 29/04/2020 Method (Equipment): Machine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





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Ġ	TRI	FINAL			
Project:	Prairie Site Ground Inve	Exploratory Hole No.			
Client:	South Tees Development Corporation	Location:	::454458.796 N:520990.15	5	PRAIRIE_AUK_TP198
Method (Eq	uipment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 12.937	Start Date: 27/04/2020	Sheet: 1 of 7

Client: South Tees Development Corporation					Location:				PRAIR	IE_AUK_TP198			
Method (Equipme	Method (Equipment):					Е	::454458.796 N:520990.1 Ground Level (m):	Sheet:					
		e Excavated (360) Trac	ked Exc	cavator)			12.937	Start Date: 27/04/2020		1 of 7		
SAM	PLES 8	TESTS			STRATA								
Depth	Type No	Test Result	Water	Reduced Level		Depth Thickness)		I	Description				
				11.74		0.20 1.00) - 1.20 1.40)	MAI and Graa ash, ang 10-2 sect gree MAI cont to co con yello at c. at c. Terri	Sand is fine to coarse. Gravel is fine to coarse subangular and includes slag, sandstone and concrete. Slag content is 25-50%. Slag is vesicular grey). MADE GROUND (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). MADE GROUND (Red brown black sandy gravel with high cobble content and fragments of wood. Sand is fine to coarse. Gravel is fine to coarse angular to subangular and includes clinker, ash, coal, concrete and red brick. Cobbles are angular and include red and yellow brick, metal, wood and concrete). 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				GROU No gro		ATER ater inflow observed.					
		32.00 Face A			1	3.0							
Face D		Orientation 090°		a C C	2.50 ——	STABI Pit side		base moderately stable thro	oughout excava	ation.			
	Face C												
	ADDI"	TIONAL INFORM	IATIO	N				REMARKS					
Sketch Diag	Sketch Diagram: Sketch Taken			followir (2) At 2	ng ske 2.60m	xcavated across slope expotch. BGL - pit extended north froto 1.60m BGL.	Ü						
Photograpl	hs:	Yes		See add shee									

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. **4251**

Print Date and Time: 06/11/2020 14:39:39

All dimensions in metres Scale 1:50

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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





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





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





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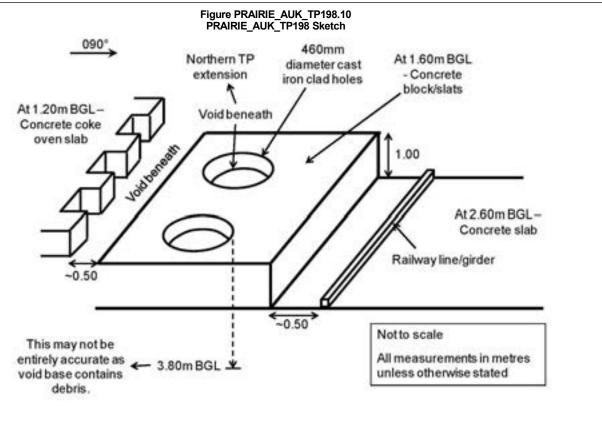
6 of 7



Client:

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



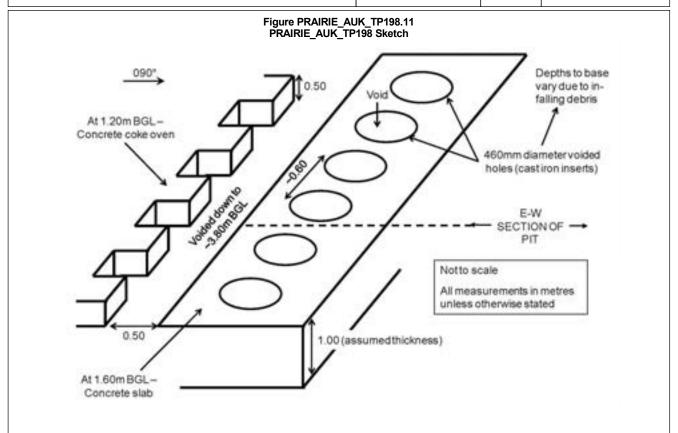


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Status:-



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



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G	TRIAL PIT RECORD												
Project:		Exploratory Hole No.											
Client:	South Tees Development Corporation Location: E:454465.130 N:521024.309								PRAIRIE_AUK_TP199				
Method (Equipm		ne Excavated (360) Trac	ked Exc	cavator)			Ground Level (m): 13.209	Start Date: 27/04/2020	Sheet: 1 of 4			
SAM	IPLES 8	R TESTS					STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		D	escription				
				13.01 10.21 9.41		(2.80) 	MAI MAI MAI MAI MAI MAI MAI	DE GROUND (Brown grey) se. Gravel is fine to coarse distone and concrete with my is vesicular grey). DE GROUND (Red brown blow boulder content and first to coarse. Gravel is fine to udes clinker, ash, coal, content is 0-25%. Cobbles are and concrete (rebar 10-50 ude red and yellow brick set is vesicular grey green). DE GROUND (Concrete and DE GROUND (Red brown bleent and fragments/sections se. Gravel is fine to coarse (ser, ash, coal, concrete and ude red and yellow brick and set of the se	e subangular nany rootlets. Dlack sandy of agments of v coarse angu- crete, wood, angular and Dmm). Bould ctions and co- d red brick fl black sandy of s of metal and a angular to seld red brick. Co- d concrete).	and includes slag, . Slag content is 25-50%. gravel with high cobble wood and metal. Sand is allar to subangular and red brick and slag. Slag includes red and yellow ers are angular and concrete (rebar 10-30mm). gravel with high cobble d wood. Sand is fine to subangular and includes obbles are angular and			
				8.01		5.20	med	n to stiff red brown grey slig lium. Inplete at 5.20m BGL.	ntiy sandy C	LAY. Sand is fine to			
# G		PLAN 8.00 Face A Orientation		<u> </u>	2.60	GROU No grou		ATER ter inflow observed.					
Face		090°Face C		0	60	STABILITY Pit sides and base moderately stable throughout excavation.							
Sketch Diag		TIONAL INFORM	ATIO			(1) Vari	ous s	REMARKS ubsurface structures exposed es taken.	d during exca	vation - refer to following			
Photograp	hs:	Yes		See add shee									

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth

Contract No. **4251**

All dimensions in metres Scale 1:50

Project:

Client:

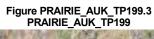
Status:-

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





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









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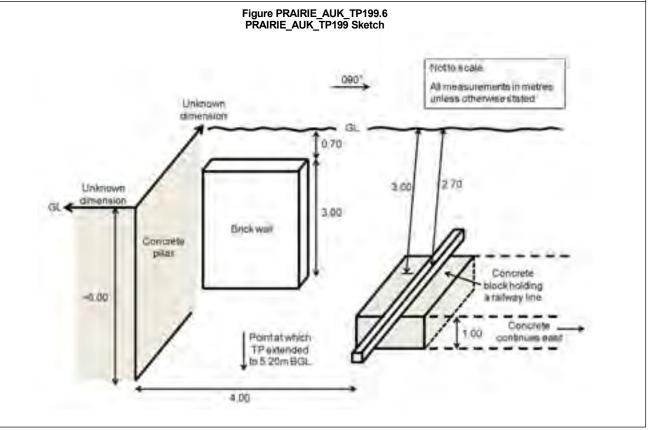


Project:

Client:

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





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Status:-

	FINAL										
Project:		F	Prairie	Site Gr	ound Inv	estigatio	n Works	Exploratory Hole No.			
Client: South Tees Development Corporation						Location	: E:454446.479 N:521086.026	PRAIRIE_AUK_TP200A			
Method (Equipment): Machine Excavated (360 Tracked Excavator)					avator)		Ground Level (m): Start Date: 10.527 28/04/20	20 Sheet: 1 of 6			
SAMPLES & TESTS						STRATA					
Dept	h Type No	e Test Result		Reduced Level	Legend	Depth (Thickness)	Description	ı			
				9.53 8.03 7.73		- 0.20 - 1.00 - 1.00 - 2.50 - 2.80 	MADE GROUND (Brown grey very sand content with many rootlets. Sand is fine Gravel is fine to coarse subangular and concrete. Slag content is 25-50%. Cobbired brick. Slag is vesicular grey). MADE GROUND (Brown grey very sand content. Sand is fine to coarse and inclucoarse subangular and includes slag, or brick. Slag content is 25-50%. Cobbles and yellow brick and concrete. Slag is vat c.0.20m BGL concrete encountered MADE GROUND (Black grey sandy gra and includes ash. Gravel is fine to coars ash, clinker, coke and red brick). at c.2.00m BGL concrete in western effirm brown grey yellow sandy CLAY. Sat Complete at 2.80m BGL.	to coarse and includes ash. includes slag, sandstone and les are angular and include by gravel with medium cobble des ash. Gravel is fine to increte and red and yellow are angular and include red esicular grey). If a extended pit west. It well. Sand is fine to coarse e subangular and includes and of pit - pit extended.			
PLAN 13.00 Face A Orientation 090° Face C					5.00	No gro	INDWATER undwater inflow observed.				
						STABILITY Pit sides and base stable throughout excavation.					
ADDITIONAL INFORMATION							RAL REMARKS				
Sketch Diagram: Sketch Taken						(1) Trial pit extended west on slope. (2) Structures exposed when extending pit west which were backfilled with material the same as between 0.20-1.00m BGL but with medium boulder content (concrete). Structures bottomed out at 3.50m BGL. (3) Various structures exposed during excavation - refer to sketch following PRAIRIE AUK TP200B.					

(4) No samples taken. See additional sheets. Photographs: Yes Contract No.

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

Client:

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

4 of 6

Status:-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



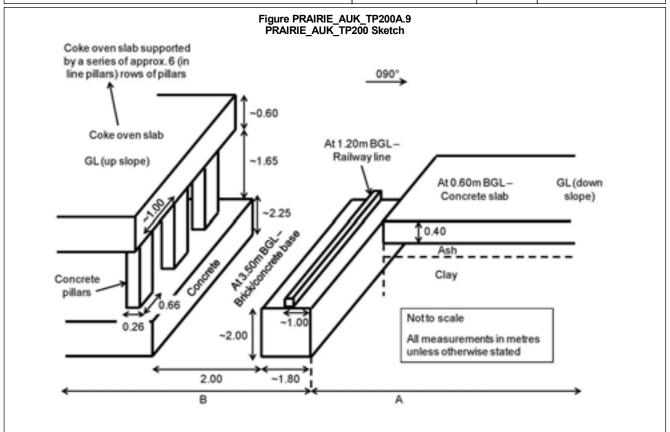


Unit 25 Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, Co. Durham, DH2 2RG
Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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



◮		Head Office: U Regional Office: U	Jnit 25 Ste Jnit 20 Bus	lla Gill Indust iness Develo	trial Estate, Pe opment Centre	elton Fell, Ches e, Eanam Whan	ter-le-Stre f, Blackbi	eet, Co. Durham, DH urn, BB1 5BL	12 2RG Tel: 0191 Tel: 01772	387 4700 Fax: 0191 38 2 735 300 Fax: 01772 7			
					TR	IAL PI	IT R	ECORD			Status:-	FINAL	
Project: Prairie Site Ground Investigation Works											Explo	oratory Ho	le No.
Client: South Tees Development Corporation							Location:					E_AUK_1	ГР200В
Method (Equipment): Machine Excavated (360 Tracked Excavator)							E:454446.479 N:521086.026 Ground Level (m): Start Date: 10.527 28/04/2020					1 of 6	
SAN		R TESTS	T Tac					10	STRATA	20/04/2020		1010	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	Depth Description						
			1	7.03		(3.30)	Gracon Gracon red MAI and is fii yelld incli	tent with ma vel is fine to crete. Slag c brick. Slag is DE GROUN! boulder cor ne to coarse ow brick. Sla ude red and ude concrete	iny rootlets. Sincoarse subation tent is 25 yesicular ground the content is 25 yesicular and content. Sand is a subangular and content is 25 yellow brick and e. Slag is ves	y very sandy of fine to coarse and includes seed 55.50%. Cobband concrete.	coarse an ludes slav are angu gravel with and inclu lag, conce les are ar Boulders	d includes g, sandsto llar and inc n medium udes ash. i rete and re ngular and are angula	cobble Gravel
PLAN					GROUNDWATER Water strike at 3.50m BGL (slight inflow).								
2.00 —— Face A								5.55 50	_ (59.16 11 11 10 11	7			
		Orientation		7.									
Face D	Orientation 5.00 B					STABILITY Pit sides and base stable throughout excavation.							
Face C													
ADDITIONAL INFORMATION						GENE	RAL I	REMARKS					
Sketch Diagram: Sketch Taken													
1			- 1			11							

Photographs:

All dimensions in metres Scale 1:50

Yes

See additional sheets.

For explanation of symbols and abbreviations see Key Sheets

Checked by:

Logged by: D. Portsmouth Contract No. 4251

Project:

Client:

TRIAL PIT RECORD **FINAL** Exploratory Hole No. Prairie Site Ground Investigation Works Location: PRAIRIE_AUK_TP200B South Tees Development Corporation E:454446.479 N:521086.026 Start Date: 28/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) 2 of 6

Figure PRAIRIE_AUK_TP200B.1 PRAIRIE_AUK_TP200



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





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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



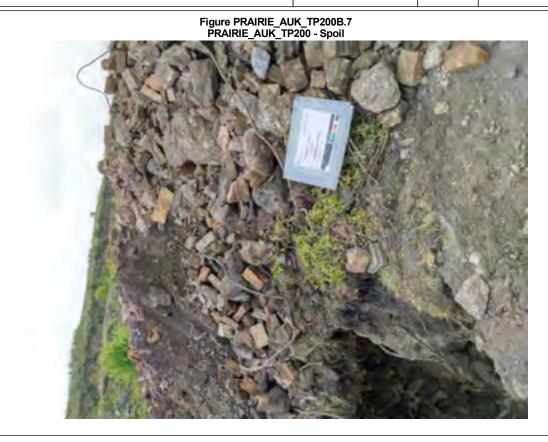


Figure PRAIRIE_AUK_TP200B.6 PRAIRIE_AUK_TP200



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



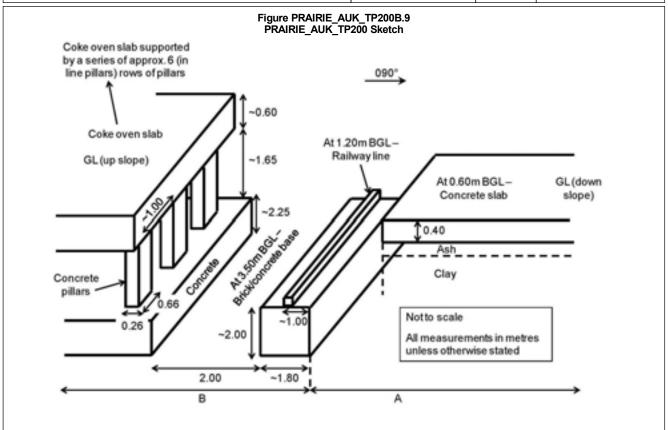


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Unit 20 Business Development Centre, Eanam Wharf, Blackburn, BB1 5BL

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_TP200B South Tees Development Corporation E:454446.479 N:521086.026 Start Date: 28/04/2020 Method (Equipment): Machine Excavated (360 Tracked Excavator) Ground Level (m): 10.527 6 of 6



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

1	N.
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C	

Ġ	TRI	FINAL			
Project:	Prairie Site Ground Inve	Exploratory Hole No.			
Client:	South Tees Development Corporation	Location:	E:454512.591 N:520927.50	7	PRAIRIE_AUK_TP201
Method (Eq	pulpment): Machine Excavated (360 Tracked Excavator)		Ground Level (m): 15.534	Start Date: 28/04/2020	Sheet: 1 of 3

SAMPLES & TESTS Section Sectio	S	outh Tee	s Developmen	t Corpo	oration				/ . /	_	PRAII	RIE_AUK_TP201
SAMPLES & TESTS Depth Type Total Result 25 depth 2	Method (Equipm		Excavated (3	60 Trad	ked Exc	cavator)			evel (m):	Start Date:	Sheet:	1 of 3
Page	241			T	T							
15.33 0.20 MADE GROUND (Brown grey very sandy gravel with many roblets. No promise and includes ash of care life fine to cares submitted and cludes and concrete. Sing order in the course submitted and concrete. Sing order in the course and includes and sand is fine to coarse and predominantly ash. Gravel is fine to coarse submitted includes ash and clinker. Recovered as a sandy gravel. Sand is fine to coarse and includes ash and clinker. Sand is fine to coarse and includes ash and clinker. Sand is fine to coarse and includes ash. Gravel is fine to coarse subangular and includes sale, concrete, sandstoned and read any sellow brick. Sing other is 0.25%. Cobbles are angular and read any sellow brick. Sing other is 0.25%. Cobbles are angular and includes sale, clinker, coke, or and concrete. Sing is resicular grey). 12.50				Te Te	Reduced		Depth					
Sand is fine to coarse and includes ash. Gravel is fine to coarse with the coarse and includes ash. Gravel is fine to coarse and protecting as the coarse and includes ash. Gravel is fine to coarse and includes and inc	Depth	Ńo		Wa	Level	Legend				•		
MADE GROUND (Yellow grey very clayey sandy gravel with high cobble content. Sand is fine to coarse subangular and includes ands, clinker, coke, red brick and sandstone. Cobble and prick and sandstone. Cobble or drick and sandstone. Cobble or drick and sandstone. Cobble or drick and sandstone. Cobble are angular and includes andstone and concrete. Engineer notes strata is mixed slightly (in-situ) with strata above due to gradient of slope). Author							(1.20)	Sand is fine subangular Slag is vesice MADE GRO Recovered a predominan ash and clin MADE GRO Cobble conte fine to coars and red and and include	to coarse and inclusing, sandstone and cular grey). UND (Brown black as a sandy gravel. Sty ash. Gravel is finker). UND (Brown grey yent. Sand is fine to come subangular and ir yellow brick. Slag of	ides ash. Grd concrete. If discontinuous grey compassand is fine the to coarse wellow very secoarse and nocludes slag content is 0-	ravel is fi Slag con acted ash to coarse subange sandy gra includes g, concre 25%. Co	ne to coarse tent is 25-50%. n/clinker. e and ular and includes avel with high ash. Gravel is te, sandstone bbbles are angular
ADDITIONAL INFORMATION Sketch Diagram: Sketch Taken ADDITIONAL INFORMATION Sketch Diagram: Sketch Taken See additional sheets. No groundwater inflow observed. STABILITY Pit sides and base stable throughout excavation. GENERAL REMARKS (1) Trial pit excavated into a raised earth bund. All measurements taken from top slope. All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.	3.60	ES1					(1.40)	MADE GRO cobble conte Gravel is fin red brick an- and concret- strata above	ent. Sand is fine to de to coarse subang d sandstone. Cobbl e. Engineer notes s' e due to gradient of	coarse and ular and inc es are angu trata is mixe	is predoi ludes as ilar and i	ninantly ash. h, clinker, coke, nclude sandstone
ADDITIONAL INFORMATION Sketch Diagram: Sketch Taken Photographs: Yes See additional sheets. See additional sheets. Por explanation of symbols and Checked by: Logged by: Contract No.	=		4.00			<u> </u>			v observed.			
Sketch Diagram: Sketch Taken (1) Trial pit excavated into a raised earth bund. All measurements taken from top slope. Photographs: Yes See additional sheets. See additional sheets. All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.								able throughout excav	vation.			
Sketch Diagram: Sketch Taken Checked by: Logged by: Contract No.		ADDIT	IONAL INEOP	MATIC	NI		GENIC	DAI DEMARI	/S			
All dimensions in metres For explanation of symbols and Checked by: Logged by: Contract No.						(1) Tria			und. All mea	suremen	ts taken from top of	
	Photograp	ohs:	Yes									
					For exp	lanation viations s	of symbo	ols and Sheets	Checked by:			

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South Tees Development Corporation

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

Client:

Location:

TRIAL PIT RECORD Project: Prairie Site Ground Investigation Works

FINAL

Exploratory Hole No. PRAIRIE_AUK_TP201

E:454512.591 N:520927.507

Start Date: 28/04/2020

2 of 3





Figure PRAIRIE_AUK_TP201.2 PRAIRIE_AUK_TP201



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





Groundwater Observations Made at the Time of Site Works



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

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

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

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

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

Remarks				uct in Faces C and D.		AEG Contract No:-
	Waterstrike	Water strike.	Water strike.	Water runnelg from brick cable duct in Faces C and D	Water strike (Sight inflow).	South Tees Development Corporation
After 20 mins						South Tees
After 15 mins	Ħ					Cherity
After 10 mins	П					ō.
After						
Time (mins)					H	
Depth (m)						ation Works
Sealed (m)						Priume Site Ground Investigation Works
Casing (m)						ine Site Gro
Water (m)	1.00	1.00	0.80	120	3.50	Pro
Date	17/04/2020	17/04/2020	16/04/2020	16,04/2020	25.04/2020	3.0
Exploratory Hole No.	PRINCE AUX, THISTR	PRIMITE ALK TRISS	Phone Sale, 1919	MARTE ALS THISTA	SHANNE AUN THOOSE 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
PRANTE AUX 12117	23/04/2020	2.60	Groundwater seepage.
MARE 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.
PRAIRS ALK TRIGT	23/04/2020	1,20	Saturated strata between 1.00-1.20m BGL (Sught inflow). Water contains globules of oil/contaminants.
PRASE AU TITTAL	24/04/2020	1.10	Saturated strata (Slight inflow)
PRARE AUT TP145	14/04/2020	1.70	Groundwate/ seepage
MANE ALK THISE	14/04/2020	120	Groundwater seepage
AMEST, ALK, STRANS	16/04/2020	170	Slight groundwater seepage.
MARK AN THE	21/04/2020	0.80	-Saturated strata (Slight inflow).
PRASE NO THE	15/04/2020	1 50	Saturated strata between 0.90-1 50m BGL
PRINTE ALK, THIS	14/04/2020	2 80	Saturated strata (Heavy inflow)
PHANE MALTERIA	14/04/2020	1.10	Saturated strata (Slight inflow).
HILARE ALK THE	16/04/2020	2.40	Saturated strata between 1.20-2.40m BGL (Slow inflow).
FRANK_ACH_TP314	08/04/2020	2.00	Slight groundwater seepage
PRAIRE_AUX_TRITS	06/04/2020	0.90	Perched water (Slight inflow).
mand Aut news	07/04/2020	1.40	Saturated strata (Heavy inflow)

Contract Title - Client - Client - South Tees Development Corporation

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

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

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



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



Groundwater Monitoring Results



GROUNDWATER MONITORING RESULTS

Miniming Post	Data and Time	Depth and Type of Well	Ground Level (mAOD)	(wBGL)	Reduced Vister Level (mAOO)	Remerks
NAME AUX BHIDS	00/00 0E/05/2020	19.50m 19mm SPIE	8.64	2.00	8.64	
RAPE NX BHIS	15/09/2020 12:05	10 00m 19mm SPIE	0.04	1.77	6.67	
RABE AR BHIS	50/09/2020 179-27	10.00m 19mm SPE	8 64	1.69	0.95	
NAME AIR BHILL	06/06/2020 60 00	16.50m 50mm SP	864	1.00	5.64	
RAIRE AUX BHIOL	18/06/2020 12:05	16.50m 50mm SP	0.04	1.76	9.56	
HARIE AUK BHIOT	30/06/2920 09:23	16 Siles 50mm SP	8.64	1.64	TIDQ	
TARE AK BHICE	06/05/2020 00:00	7.20m 50mm SP	9.21	110	711	
HARE NK 3HK2	15/06/2020 14:18	7.20m 30mm SP	8.21	D,85	736	
WARRE AUX JH 102	30/06/2020 07:10	7:20m 50mm SP	8.21	0.90	7.31	
MARTE AUK SHINS	00:00 00:00	8.50m 50mm SP	7.68	2:26	543	
RARIE AIK BIND	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 59:00	11 00m 50mm SP	6.26	4 (52)	386	
HANDE AUX BHISS	15/05/2020 15:29	11.05mi 50min SP	8.2%	4.49	-377	
MAGRE_ALK_BHIO	30/06/2020 12/09	11 00m 50mm SP	0.26	46)	3.75	
HANNE ALK BHICK	66/05/2020 00:00	10 00m 50mm SP	8.71	3.94	4.77	
TRASSE JUN BRIDE	15/06/2020 14/52	10 00m 50mm SP	571	273	5.00	

Contract Title :- Client - South Tees Development Corporation

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

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

GROUNDWATER MONITORING RESULTS

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

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

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

Gas Monitoring Results



ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

j														AEG Contract No :- 4251	Certificate No MON/4251/1
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ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

(American)														AEG Contract No > 4251	Certificate No.:- MON/4251/2
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ALLIED EXPLORATION & GEOTECHNICS LIMITED GAS MONITORING RESULTS

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33 Certificate Number: G506066 2/25251

Date Of Calibration: 09-Mar-2020

Issued by: QED Environmental Systems Ltd.

Customer: Allied Exploration & Geotechnics Ltd

25 Stella Gill Industrial Estate Pelton Fell Chester Le Street

County Durham DH2 2RG UNITED KINGDOM

Description: Gas Analyser

Model: GA5000 Serial Number: G506066

UKAS Accredited results:

Results after adjustment:

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

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

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

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

The maximum adjustment is larger than the inwards assessment uncertainty.

Inwards assessment data is available if requested.

All concentrations are molar.

CHA, CO2 readings recorded at :

32.5 °C ± 2.5 °C

O2 readings recorded at :

24.0 °C ± 2.5 °C

Barometric Pressure:

1002 mbar ± 4 mbar

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

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

Calbration instance: 108 IGC instance: 108

Page 1 of 2 | UP015GIUKAS-2.4

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







Certificate Number: G506066_2/25251

Date Of Calibration: 09-Mar-2020

Issued by: QED Environmental Systems Ltd.

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

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

Non-UKAS accredited results after adjustment:

Baro	meter (mbar)
Reference	Instrument Reading
1002	1002

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

Date Of Issue: 11-Mar-2020

Approved by Signatory

Ath.

Laura McBride

Laboratory Inspection

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

Calibration Instance: 108 IGC Instance: 108

Page 2 of 2 | LPO15GIUKAS-2.4

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 (%) Uncert							
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

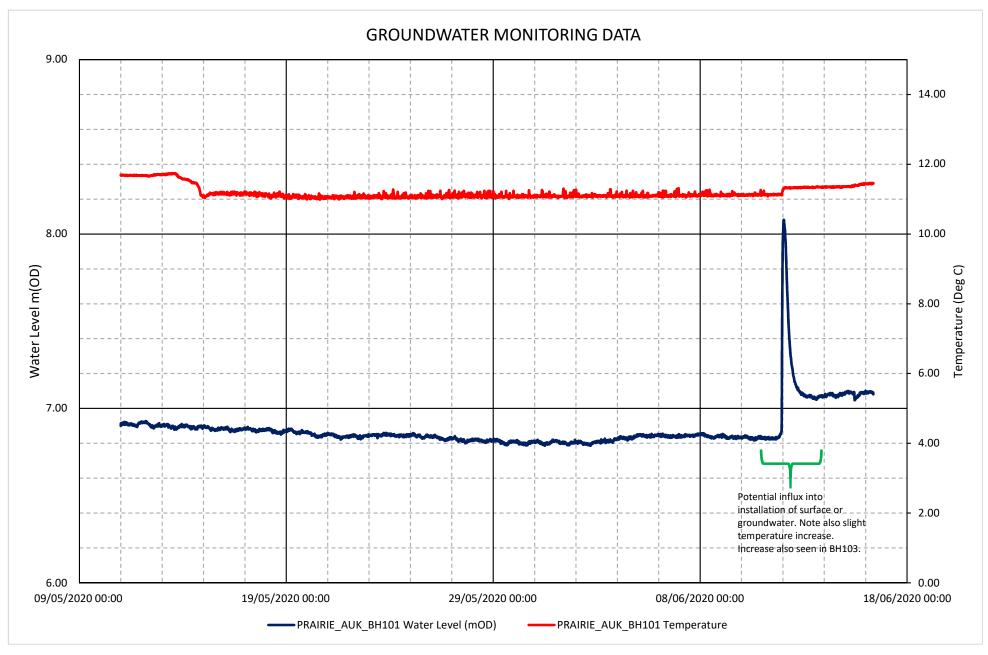
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Calibration Instance: 109 IGC Instance: 109

Page 2 of 2 | LPD15GIUKAS-2.4

Continuous Groundwater/Tidal Monitoring Results

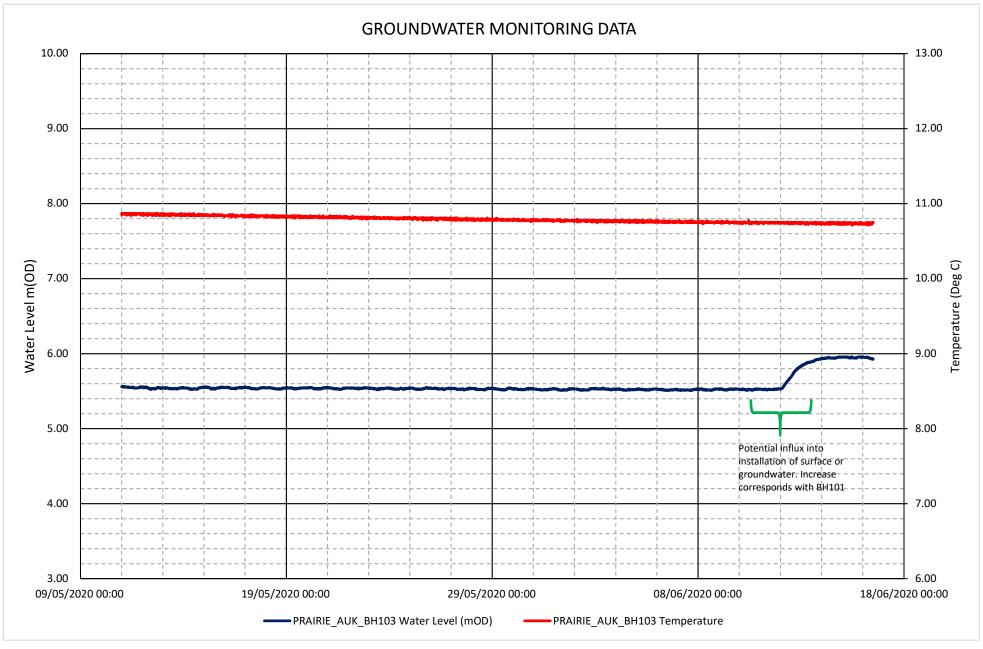




Title: Prairie Site Ground Investigation Works

Contract No: 4251

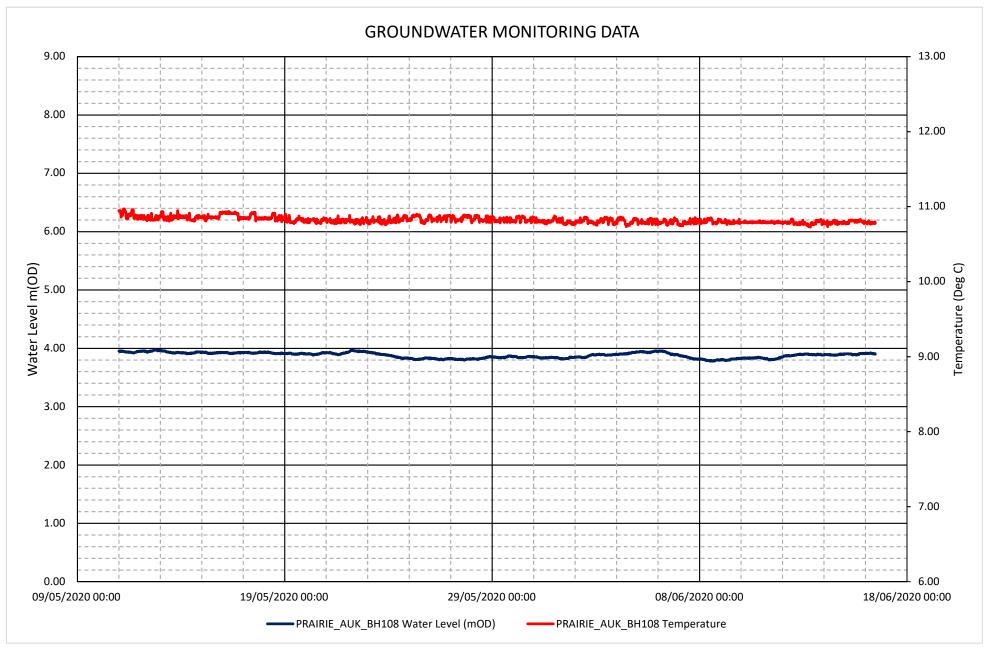
Client: South Tees Development Corporation



Title: Prairie Site Ground Investigation Works

Contract No: 4251

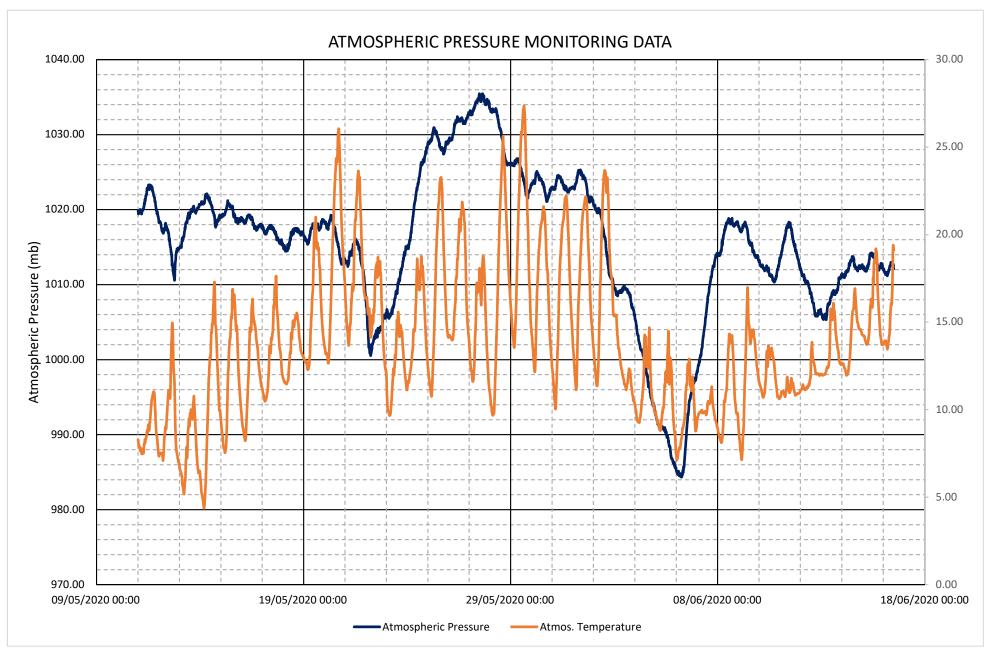
Client: South Tees Development Corporation



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		
	In-silu testing was carried out on the above		
	5 1377: 1990: Part 9 or other appropriate stand attached enclosures, were obtained.	lards as quoted, and the	a following results.
The tests car number of pa	ried out are indicated in the attached table sho ges.	owing the enclosure nu	mber and the total
For and on be	shalf of Allied Exploration & Geotechnics Limiter	d	
	Nick Vater (Managing Director)		
D.	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)

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

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

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

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

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STANDARD PENETRATION TEST RESULTS Exploratory Hole No. (BS EN ISO 22476-3: 2005) PRAIRIE_AUK_BRIDI Depth (m) 10 12 114 16 50 N Value 100 Uncorrected Nº Values Corrected 'N' Values Note: Graph does not display extrapolated SPT results (e.g. refusals). Contract Title -Client > 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

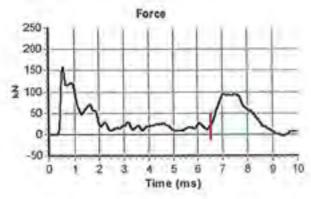
Accelerometer No.2:

 Diameter d_r (mm):
 54

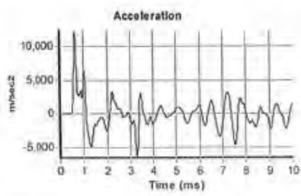
 Wall Thickness t_r (mm):
 6.5

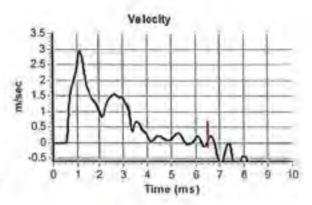
 Assumed Modulus E_a (GPa):
 208

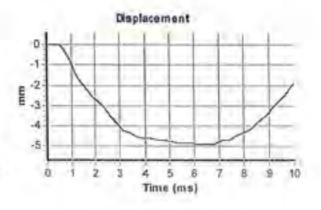
 Accelerometer No.1:
 5991



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

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

Remarks														AEG Contract No - 4251	Certificate No HSVM251G
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 -
Ath Result Av	80 8	40	64	90 9	7.4 7.	30 33	68	22	58	46 4	£ 54	68 69	Residual results given in brackets.	Client >	7
3rd Result	82	25	99	99	76	33	72	50	60	44	I	89	Hesidan		Checked By
2nd Result kPa	992	40	09	55	76	25	33	55	00	30	.00	25		Prairie Site Ground Investigation Works	3017
1st Result	80 (40)	52 (20)	70 (22)	60 (22)	70 (38)	32 (20)	70 (34)	46 (20)	55 (34)	42 (22)	76 (18)	76 (18)		rie Site Ground In	- 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		Pre	
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 Title (s.	Date of Issue - 05/11/2020
Exploratory Hole No.	THE PERSON	mana, kecimin	See LAND SE	ABTOR (NO.) STATE	stanijeci jeda	lear between	ALL STREET	man (and the sil	Station States	State Sections	SHIPE AND PAIN	MALE WE SHAW			Date of

								-							
Romarks.														AEG Contract No. 4251	Certificate No HSV/4251/4
e6	18	2)	00	(6)	(9)	8)	97	23	, ic	68	00	00		South Teus Development Corporation	Approved By The
Average kPa	84 (28)	70 (22)	70 (20)	40 (18)	67 (16)	48 (18)	47 (15)	77 (22)	(30)	64 (28)	97 (40)	97 (30)	chafts		
4th Result KPa	82	121	74	42	54	46	46	25	76	6-8	98	8	Residual results given in brackets.	Clent	7
3rd Result xPa	25	120	72	40	70	48	46	80	78.	759	2	85	Resid		Checked By
2nd Result NPa	989	72	62	40	99	42	99	70	72	62	100	106		estigation Works	4017
1st Result kPa	84 (28)	66 (22)	70 (20)	38 (18)	66 (16)	56 (18)	44 (16)	80 (22)	(20) 29	62 (28)	98 (40)	92 (30)		Prairie Site Ground Investigation Works	Page No ×
Depth	250	1.80	2.80	85	2.50	2,00	2.50	3.50	2.00	3.00	1.50	2.50		Prair	6
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.	subsection from	Staff_Salt_States	MANAGEMENT AND STREET	Manager Committee	Section (Sections)	STATE AND STATE	PRANCE AND POSE	Market, Also, States	Mint and States	Blue off Seesa	Self-File	Shrift, sh. mark			

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

														AEG Contract No	HSV/4251/6
Remarks		Not suitable for HSV lesting - too friable.	Not suitable for HSV testing - too friable.		Not suitable for HSV testing - too friable	Not suitable for HSV testing - too Friable				Not suitable for HSV testing - too friable.	Not sugable for HSV testing - too friable,			South Tees Development Corporation	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 gover in brackets:	Clark	70
3rd Result kPa	06			45			62	2	z			96	Bresich		Checked By
2nd Result kPa	86			23			42	56	3.			100		estigation Works	G of 7
1st Result kPa	100 (42)			48 (20)			56 (36)	48 (26)	48 (26)			80 (42)		Prairie Site Ground Investigation Works	Page No
Depth	2.00	1.50	2.50	1.50	2.50	3.50	1,50	180	2.80	3.50	2.00	2,00		Hrain	o
Date	09/04/2020	09/04/2020	02027-0:60	06/04/2020	06/04/2020	08/04/2020	07/04/2020	06/04/2020	05/04/2020	06:04/2020	09/04/2020	09/04/2020		Contract Title	Date of Issue >- 05/11/2020
Exploratory Hole No.	reason for fresh	tong all, heart	Season Alegarity	terrine March	man he jets	Shell and seems	No.	National Services	Married State States	SASS AS DUT	The same of the sa	MARKAGON.			MQ.

Remarks	ible.	Note:	,			
	Not suitable for HSV lesting - too fritible.	Not suitable for HSV feating - Loo friable.				
Average			83 (42)	103 (46)	57 (20)	53 (18)
4th Result					52	99
3rd Result			86	105	25	09
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-	No.	energy and the	Name and Address of	March 200 Press

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	<0.1ppm
PRAIRIE_AUK_TP101	1.00	See Remarks	01/04/2020	40 Topm
PRAIRIE_AUK_TP101	2.20	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP102	0,50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE AUK TP102	1.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP102	1:50	0,1	21/04/2020	
PRAIRIE_AUK_TP102	2.00	01	21/04/2020	
PRAIRIE AUK TP102	2.50	02	21/04/2020	
PRAIRIE AUK TP102	3.00	0,4	21/04/2020	
PRAIRIE AUK TP102	3.50	0.7	21/04/2020	
PRAIRIE AUK TP103	0:50	Sen Remarks	21/04/2020	<0.1ppm
PRAIRIE AUK_TP103	1.00	See Remarks	21/04/2020	<0.tppm
PRAIRIE AUK TP103	1.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE AUK_TP104	1.50	See Remarks	01/04/2020	<0.tpom
PRAIRIE AUK TRIDS	1.20	See Remarks	01/04/2020	<0.1ppm
PRAIRIE AUK TP105	2.50	See Remarks	01/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	0.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE AUK TP106	1.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	1.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP106	2.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE AUK_TP106	3.50	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE_AUK_TP107	1.80	See Remarks	08/04/2020	<0 tppm
PRAIRIE_AUK_TP107	2.90	See Remarks	06/04/2020	<0 tppm
PRAIRIE AUK TP 108	1.00	See Remarks	06/04/2020	<0 tppm
PRAIRE AUK TP108	2.00	1.7	06/04/2020	
PRAIRIE_AUK_TP108	3,00	0.6	06/04/2020	
PRAIRIE AUK TP109	0,50	See Remarks	21/04/2020	<0 tppm

Contract Title:-

Frame Site Ground Investigation Works

Client:-

South Tees Development Corporation



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PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	(ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP109	1.00	01	21/04/2020	
PRAIRIE_AUK_TP109	1.50	0.1	21/04/2020	
PRAIRIE_AUK_TP109	2.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP109	3.00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	0.50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	1.00	See Remarks	21/04/2020	<0.1ppm.
PRAIRIE_AUK_TP110	1:50	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	2.50	0.3	21/04/2020	
PRARIE_AUK_TP110	3.00	0.2	21/04/2020	
PRAIRIE_AUK_TP110	3.50	See Remarks	21/04/2020	<0.1ppm
PRARIE_AUK_TP110	4:00	See Remarks	21/04/2020	<0.1ppm
PRAIRIE_AUK_TP110	4.50	0.1	21/04/2020	
PRAIRIE_AUK_TP111	0.40	See Remarks	22/04/2020	<0 tppm
PRAIRIE AUK_TP111	1.00	01	22/04/2020	
PRARIE_AUK_TP111	1.50	0.2	22/04/2020	
PRAIRIE_AUK_TP111	200.	See Remarks	22/04/2020	<0 tppm
PRAIRIE_AUK_TP111	3.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	0.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	1.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP112	1.50	See Remarks	22/04/2020	<0 tppm
PRAIRIE_AUK_TP112	2.00	0.5	22/04/2020	
PRAIRIE_AUK_TP112	2.10	0.9	22/04/2020	
PRAIRIE_AUK_TP112	2.70	See Remarks	22/04/2020	<0 tppm
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	F-044
PRAIRIE_AUK_TP114	0.90	130.0	07/04/2020	
PRARIE AUK TP115	1.90	See Remarks	08/04/2020	<0 tppm
PRAIRIE AUK TP116	0.50	5.4	23/04/2020	
PRAIRIE AUK TP116	1,30	7,1	23/04/2020	
PRAIRIE AUK TP116	1.60	8.8	23/04/2020	
PRAIRIE_AUK_TP116	2 00	See Flemarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP116	3.00	See Remarks	23/04/2020	<0 Tppm
PRAIRIE AUK TP117	0.50	9.1	23/04/2020	
PRAIRIE_AUK_TP117	1.20	10.4	23/04/2020	
PRAIRIE_AUK_TP117	2.00	9.6	23/04/2020	
PRAIRIE_AUK_TP117	2.00	11.1	23/04/2020	
PRAIRIE AUX TP118	0.50	0.2	23/04/2020	
PRAIRIE AUK TP118	1.20	See Remarks	23/04/2020	<0.1ppn
PRAIRIE AUK TP115	1.60	See Remarks	23/04/2020	<o td="" topor<=""></o>

Contract Tale -

Premise Stell Ground Investigation Works

South Tees Development Corporation



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PHOTO-IONISATION DETECTOR

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

Contract Title :-

Prairie Site Ground Investigation Works

Chart -

South Tees Development Corporation



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PHOTO-IONISATION DETECTOR

Exploratory Hole No.	Depth (m)	PID (ppm)	Date Tested	Remarks
PRAIRIE_AUK_TP138	1.20	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP139	1.10	See Remarks	16/04/2020	<0:1ppm
PRAIRIE_AUK_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	«O 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	8.0	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.Appin
PRAIRIE_AUK_TP144	0.50	0.8	24/04/2020	
PRAIRIE_AUK_TP144	1.00	1,5	24/04/2020	
PRAIRIE_AUK_TP145	1.60	0.2	14/04/2020	
PRAIRIE_AUK_TP148C	1,30	02	14/04/2020	
PRAIRIE_AUK_TP146¢	2.50	See Remarks	14/04/2020	<0.1ppm
PRAIRIE_AUK_TP147	1,50	See Remarks	17/04/2020	<0.1ppm
PRAIRIE_AUK_TP148A	1.40	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP149	1.30	See Remarks	09/04/2020	<0.1ppm
PRAIRIE_AUK_TP150	0.70	See Remarks	16/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	0.50	11	23/04/2020	-
PRAIRIE_AUK_TP151	1,00.	0.8	23/04/2020	
PRAIRIE_AUK_TP151	1.50.	0.9	23/04/2020	
PRAIRIE_AUK_TP151	2.00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	2.50	See Ranaks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP151	3:00	See Remarks	23/04/2020	<0.1ppm
PRAIRIE_AUK_TP152	0.50	0.3	22/04/2020	
PRAIRIE_AUX_TP162	1:00	16	22/04/2020	
PRAIRIE_AUK_TP152	1.50	0.8	22/04/2020	
PRAIRIE_AUK_TP153	0.60	18	22/04/2020	
PRAIRIE_AUK_TP153	1.00	0.5	22/04/2020	
PRAIRIE_AUK_TP153	1.50	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP153	2.00	See Remarks	22/04/2020	<0.1ppm
PRAIRIE_AUK_TP154	0.50	1.1	21/04/2020	
PRAIRIE_AUK_TP154	1.00	0.2	21/04/2020	
PRAIRIE AUK TP154	1.50	See Remarks	21/04/2020	<0 tppm

Contract Title -

Calibration Compliant -

Prairie Sm Ground Investigation Works

Client

South Tees Development Corporation

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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	<0.1ppm
RAIRIE_AUK_TP162	1.70	See Remarks	14/04/2020	<0.1ppm
RAIRIE AUK TP163	1.20	45	14/04/2020	
RAIRIE_AUK_TP163	1.90	2.1	14/04/2020	
RAIRIE AUK TP164	0.70	See Remarks	16/04/2020	<0.1ppm
RAIRIE AUK TP164	1.30	See Remarks	16/04/2020	<0.1ppm
RAIRIE ALIK TE165	1.00	See Remarks	15/04/2020	
RAIRIE 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	
PRAIRIE AUK TP170	1.50	2.1	21/04/2020	
RAIRIE AUK TP171	0.50	1.4	20/04/2020	
PRAIRIE AUK TP171	1.00	13	20/04/2020	
RAIRIE_AUK_TP171	1.50	See Remarks	20/04/2020	<0 (ppm
RAIRIE AUK TP172	0.80	See Remarks	06/04/2020	<0.1ppm
PRAIRIE AUK TP173	0.90	See Remarks	09/04/2020	<0 tppm
RAIRIE AUK_TP174	0.90	See Remarks	08/04/2020	<0.1ppm
PRAIRIE_AUK_TP174	1.60	See Remarks	08/04/2020	<0 tppm
PRAIRIE AUK TP175	080	101.1	06/04/2020	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.tppm
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

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Contrac	t Tale :- Fraine Sile Ground in	westgation Warks	Client > Sai	ulty Tees Development Corporat	ion (
A	Daibration Chingliani - YES	Date of Issue :- 05/11/2020	y	Page No :- 6 of 6	4
慧	Checked By	Approved By -).	AEG Contract No 4251	- 6

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 Concentration:	<u>Cylinder</u>	Initial Sensor	Final Sensor	Accuracy
	<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 Co	ondition (inc temp	erature) :		Cool & Dry				
Sonitoring 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	
RAIRIE_AUK_	15:35:00	8 10	15.84	824.59	317.10	49.66	0.65	
BH104	74	7	8	8	1-84	1		
	2		-)±	-	-	-	
	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_ BH100	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	
	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:	E94104 &	BH107 - unable	to sample via pump	o due to lack of hea	ad Agreed with Arca	ids 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)	pH	Temp (°C)	Electrical Conductivity (Actual) (µ1)	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	47.63	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
	08.50 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	7.60	11.46	1775.70	354.40	44 69	1.56
(Shallow)	13:15:00	157	11.46	1775.00	356.70	14.87	1,96
	13:05:00	1.53	11.51	1769 60	345.50	43.80	1.96
PRAIRIE_AUX_	13.10.00	1.66	1548	1767 70	364.40	A4 89	1.56
(Deep)	15-15 00	7.67	33.40	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	613	11.43	2075.40	332.10	43.90	1.82
	33 25 00	814	91.40	2074.40	337,30	44.55	182
	_						
Remarks :				rva			
Priorities	airie Site Ground	Investigation W	orks		South Tees Deve	Topment Corporation	10
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:	airie Site Ground			Clerk		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	adition (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
	10:38:60	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
	18:47:00	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	88.1
(Deep)	10 06 00	7.59	VI 67	2316.50	386 6	57.82	1.88
	10 09 00	7.61	34.76	2321.30	356.0	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	sterman	
Weather Co	ondition (inc temp	erature) :					
fonitoring Point	Time (hrs)	pH	Temp (°C)	Electrical Conductivity (Actual) (µs)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolver 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:							
ontract Title	airie Site Ground	Investigation W	forks	Clerk	South Tees Devel	opment Corporatio	nn e e e e e e e e e e e e e e e e e e

Date of Test:	18/05/0	2020	Operator:		A. Mar	sterman		
Weather Condition (inc temperature) : Gloudy (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	59.40	3.25	
PRARIE_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) Tomo Electrical Region Potential Dissolved Course Total Dissolved		IIV-S	SITO WATER	ZUALITT PAR	AMETER MONIT	OKING RESUL	.13		
Time (hrs) PH Temp (°C) Conductivity (Actual) (us) Redox Potential (hrs) 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 temper	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				
RAIRE_AUK_ BH104 15:40:00 7.62 13.57 1124:00 53.90 9.52 0.95	PRAIRIE AUK	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	4.0						
	Remarks :	PRAIRIE_AUK			cample using a bai	ler.	ck of head. Agreed		

The same of the state of the same of the s

Date of Test	01/07/2020 Operato			A Masternan				
Weather Condition (inc temperature)				Overcast (16°C)				
Monitoring Point	Time (hrs)	pH	Temp (°C)	Electrical Conductivity (Actual) (µ8)	Redox Potential (mv)	Dissolved Oxygen (%)	Total Dissolved Solids (ppm)	
PRABLE_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	1372.00	-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_	09 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 (6.30	1.62	3.78	
noveme vinc	08:47:00	12.66	12.88	4509.00	-423.30	130	3.84	
PRARIE_AUK_ SH102	08.50.00	12.94	12:57	4622.00	421.00	1.00	3.95	
		-		-		- 8		
	11/39 00	9.38	12.05	935.30	-212.00	2.13	080	
	11/42:00	9.39	12.06	840.63	-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	9 39	12:10	813.60	-199.10	1.29	0.79	
-	16.31:00	8.98	12:22	886.70	-164.50	2.73	0.75	
PRARIE_AUK_ BH 106	15:34:00	9.36	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	
	10:29:00	7.62	12.70	4057.00	86.80	11.19	3.45	
PRAIRIE AUK_ BH (10	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	7.51	2.46	
Remarks:				W/A-				
Opening Time Py	rairie Sita Ground	investigation W	orks	Comp	South Tees Dave	esment Corporation	in	
	Chacles by	7	A) And	South Tees Development Corporation				
&	Disse trained Pros 74: 2 of 3			AEG Quernan 40			8	

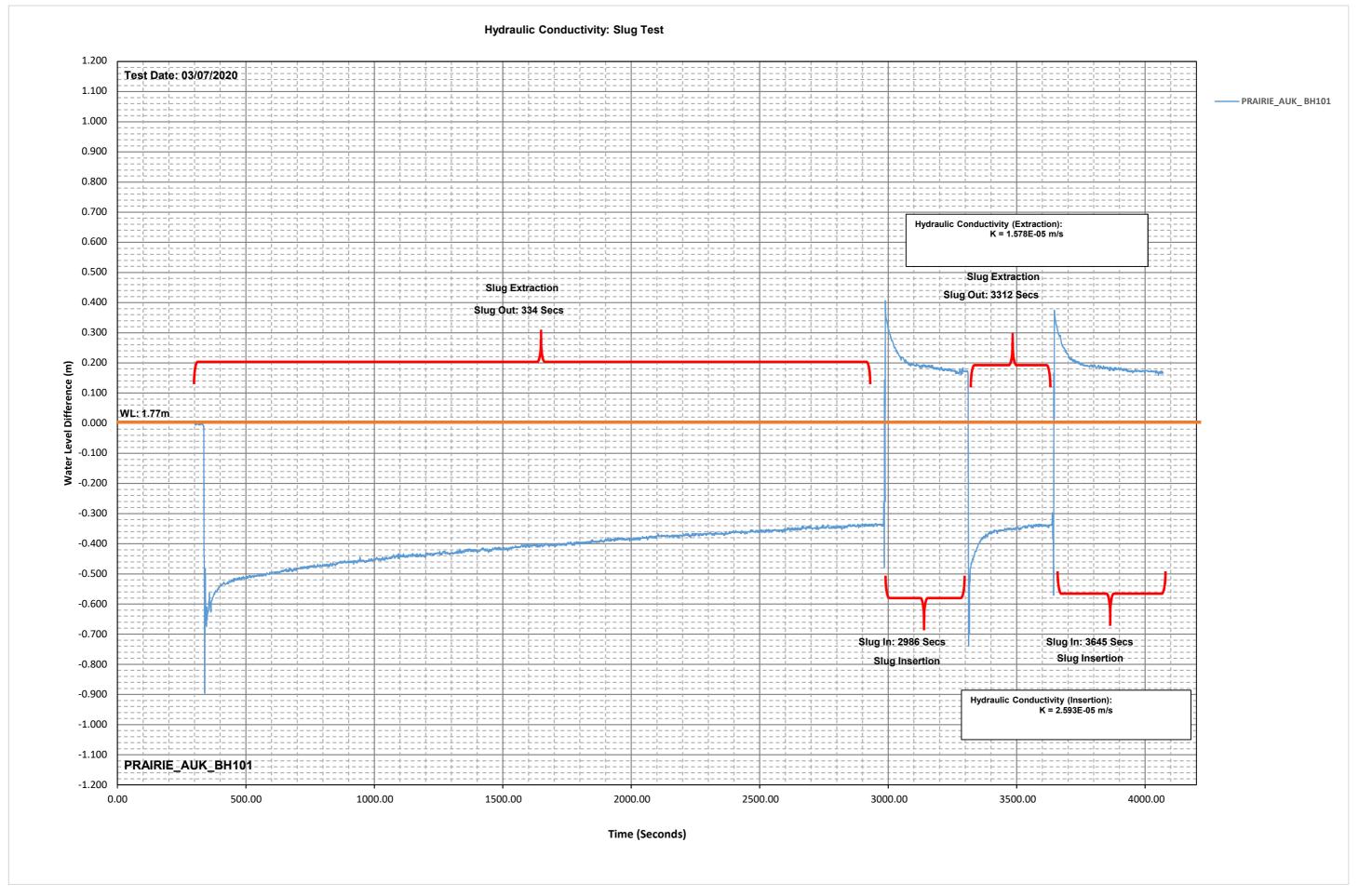
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Date of Test: 02/07/2020			Operator:	Operator: A Masterman				
Weather Co	andition (inc temp	dition (inc temperature) :		Overcast/Showers (11°C)				
Monitoring Point	Time (hes)	pH	Temp. (°C)	Electrical Conductivity (Actual) (µs)	Redox Potential (mv)	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	Floring 3 of 3	All III-Comines No.	4251		8	

Hydraulic Conductivity: Slug Test Results



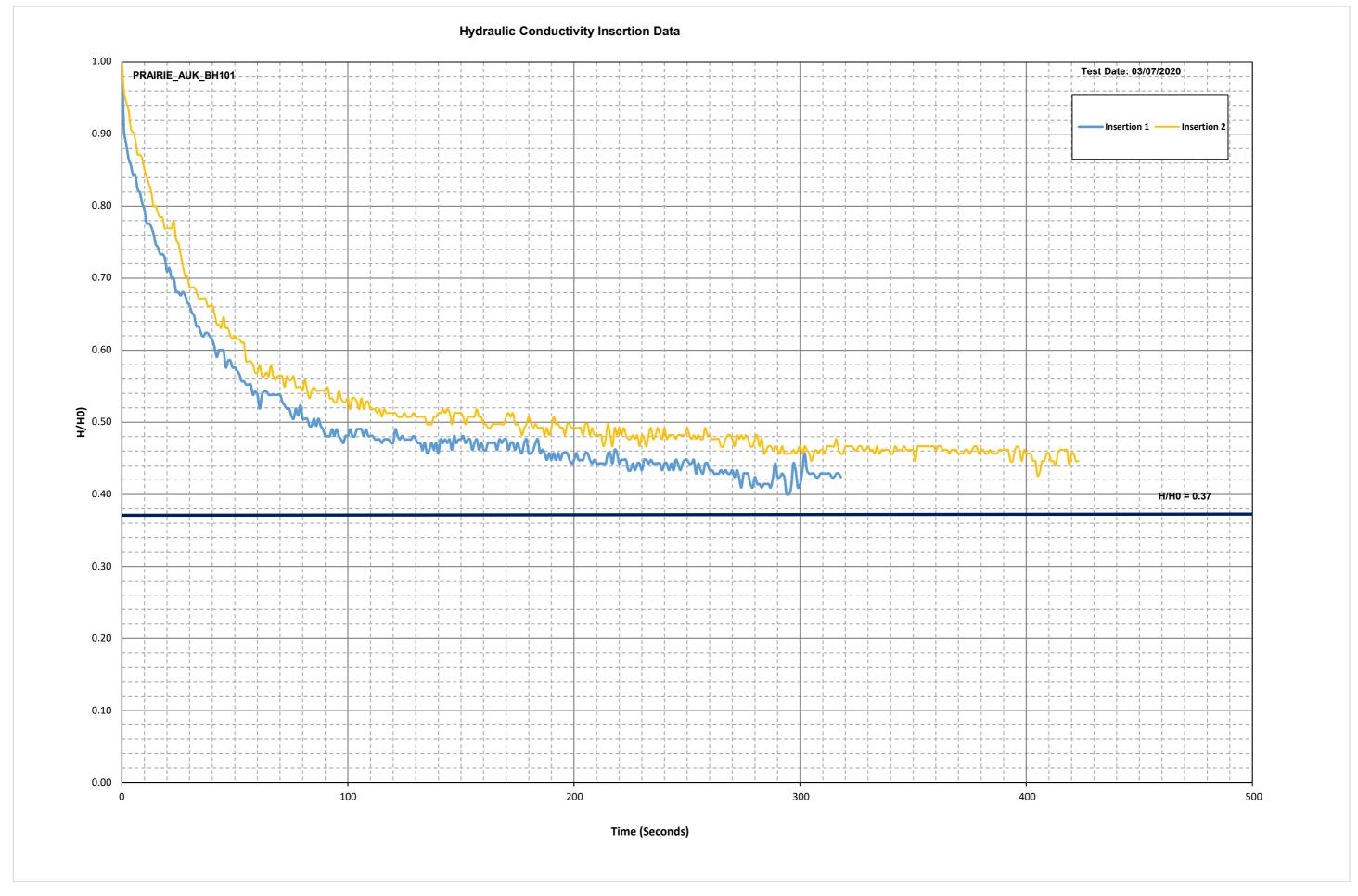
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



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

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

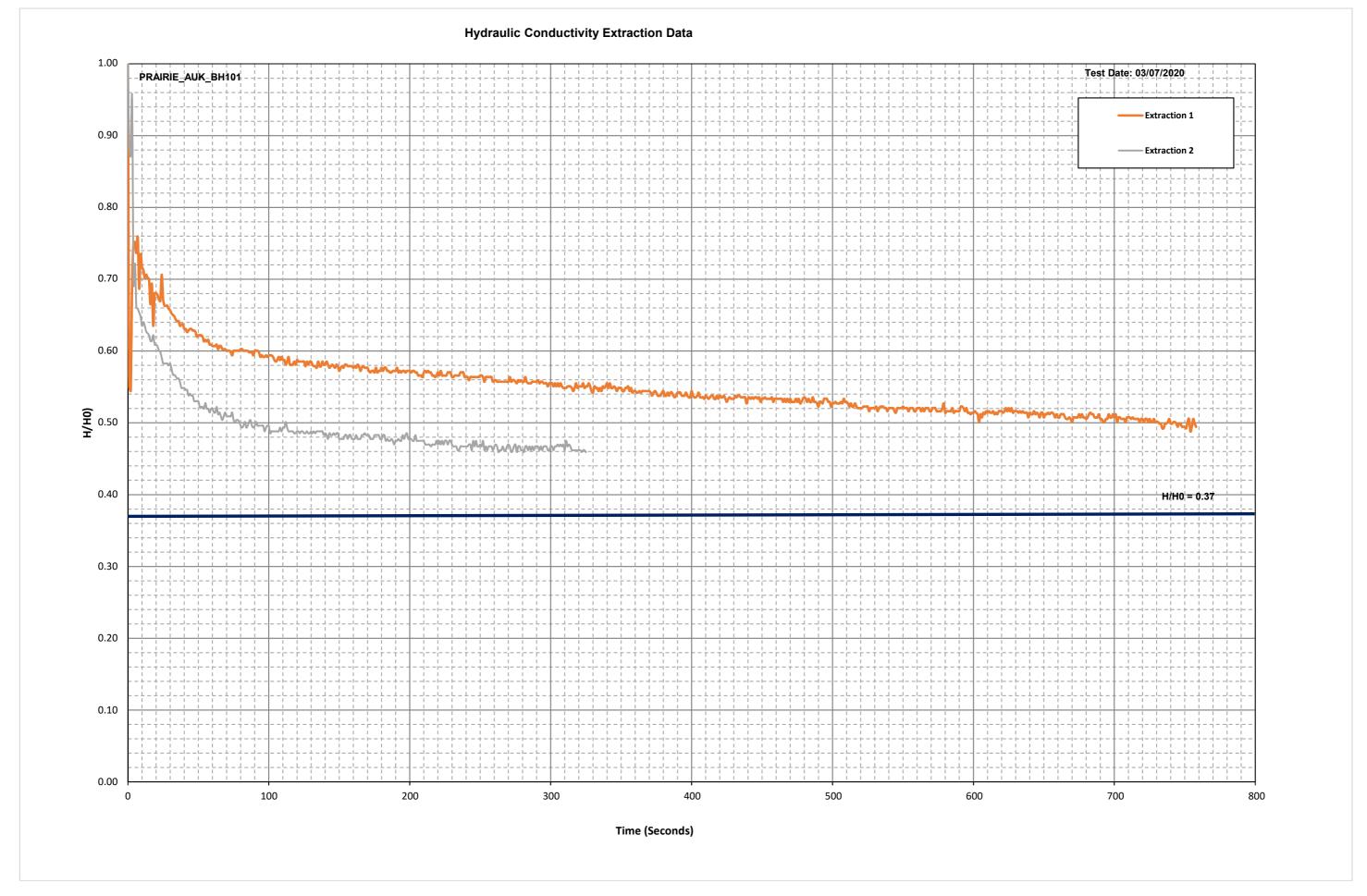
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



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

Sheet: 2 of 15

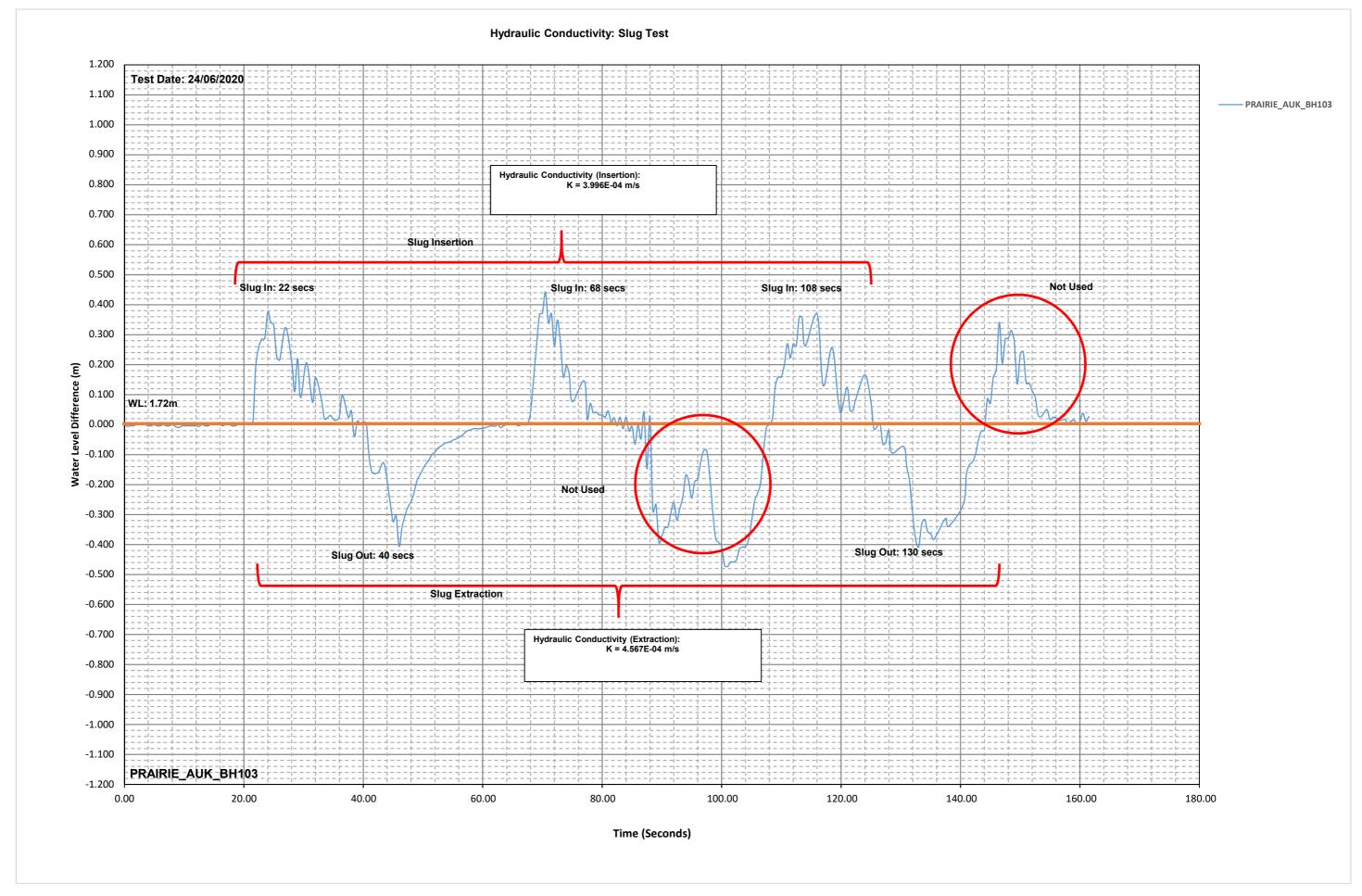
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



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

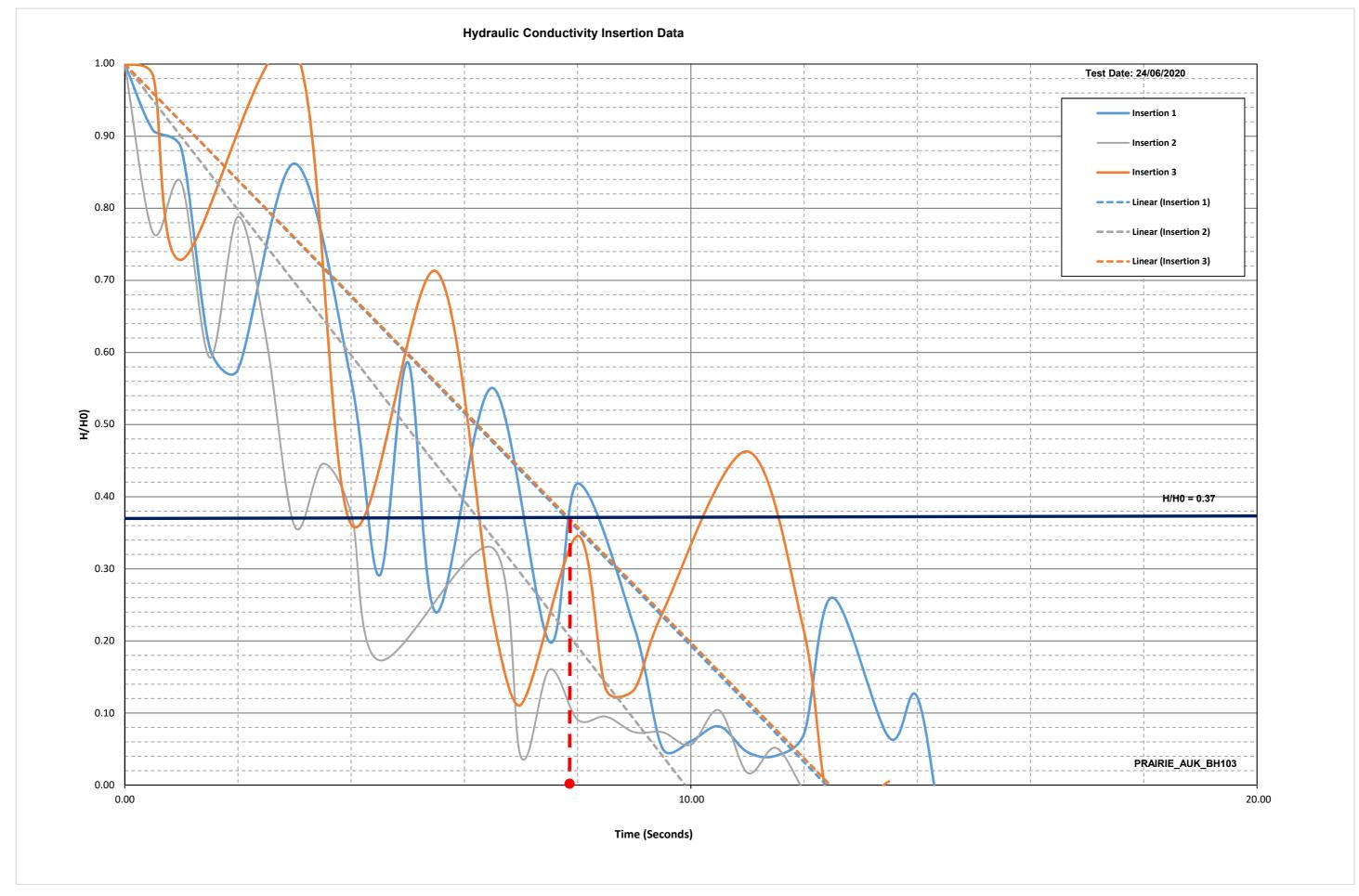
Date: 05/11/2020 **Sheet**: 3 of 15

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



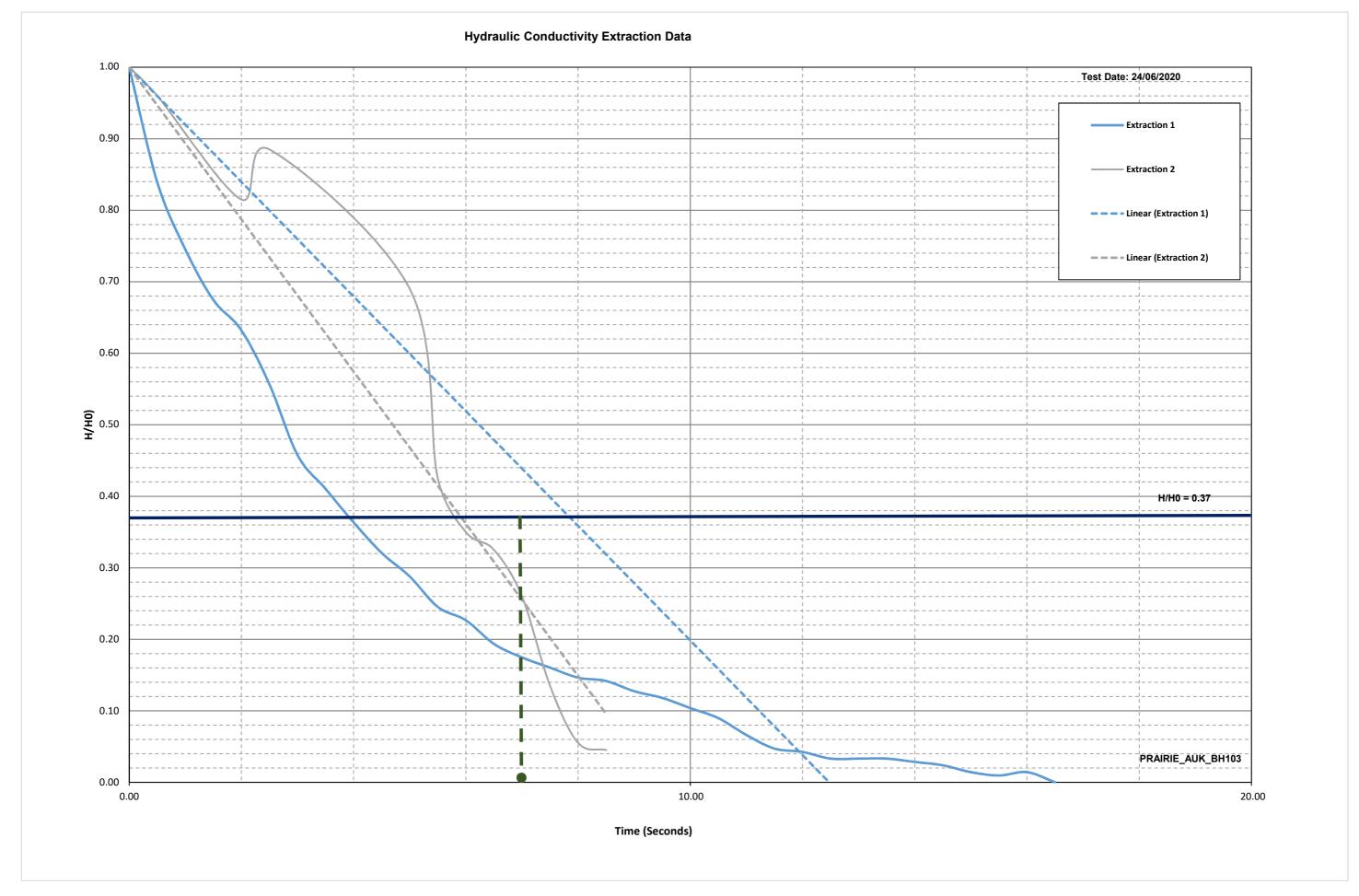
Contract: Prairie Site Ground Investigation Works

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



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

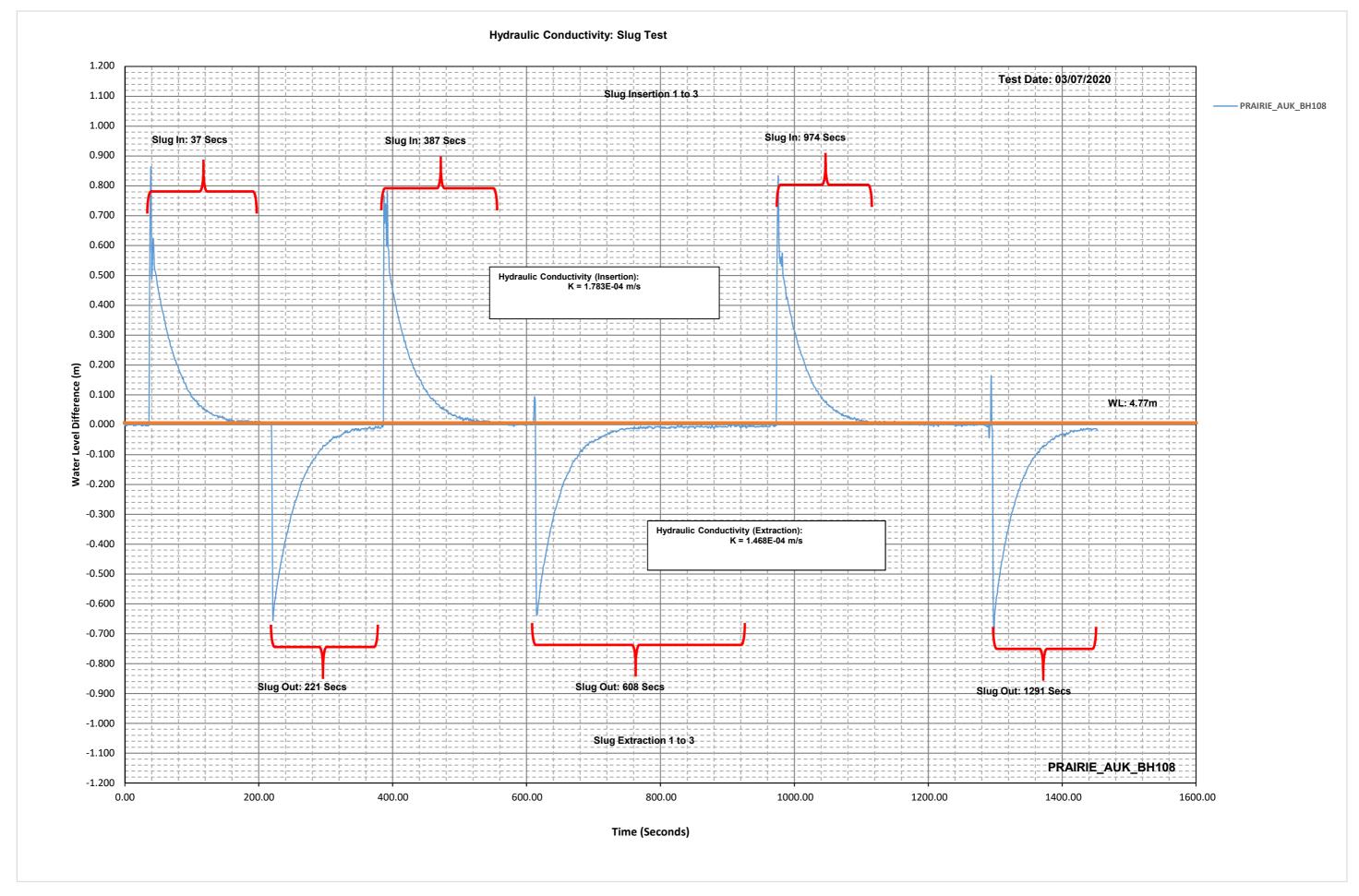
Date: 05/11/2020 Sheet: 5 of 15



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

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

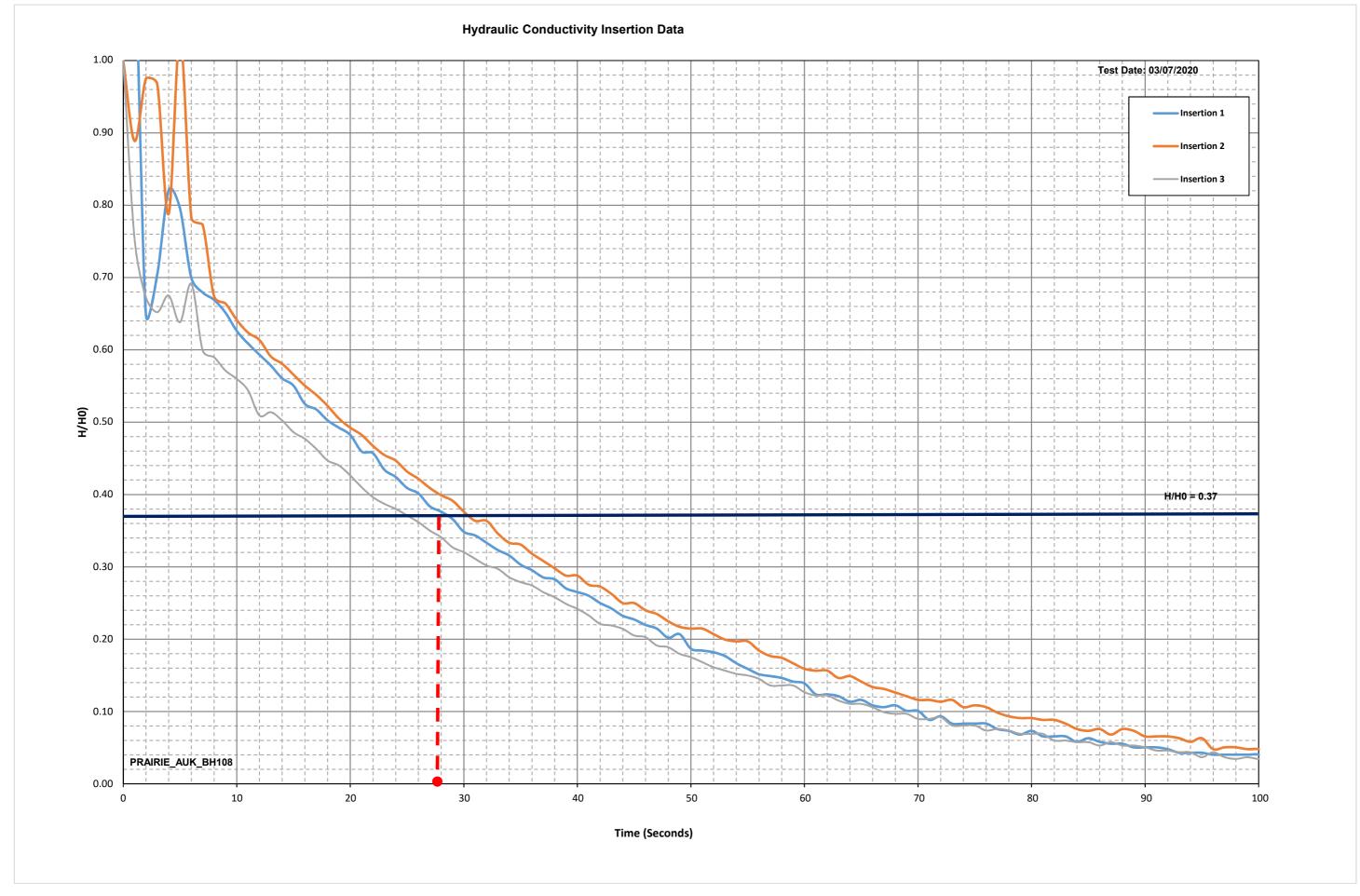
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

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

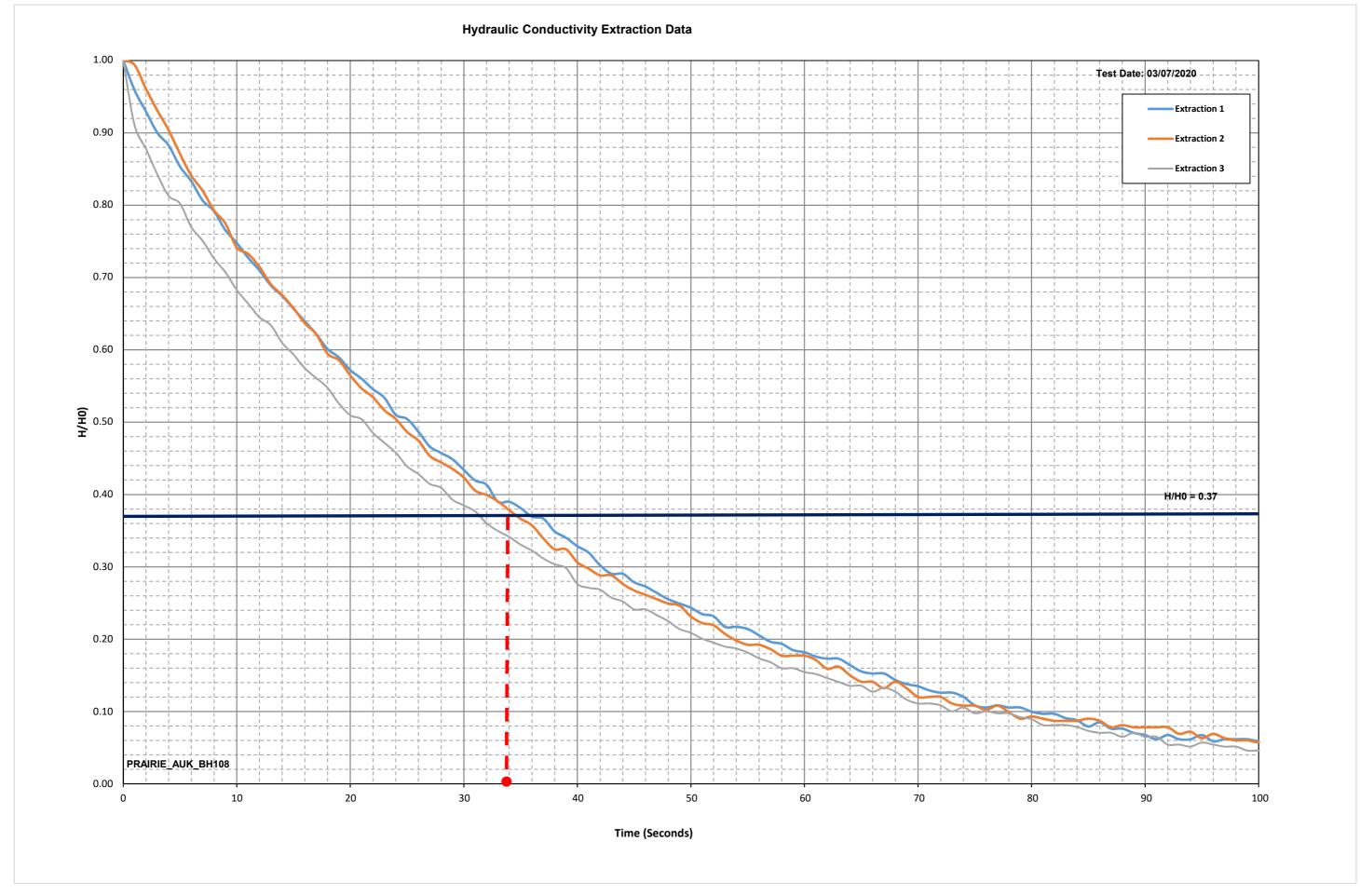
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



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

Date: 05/11/2020 **Sheet:** 8 of 15

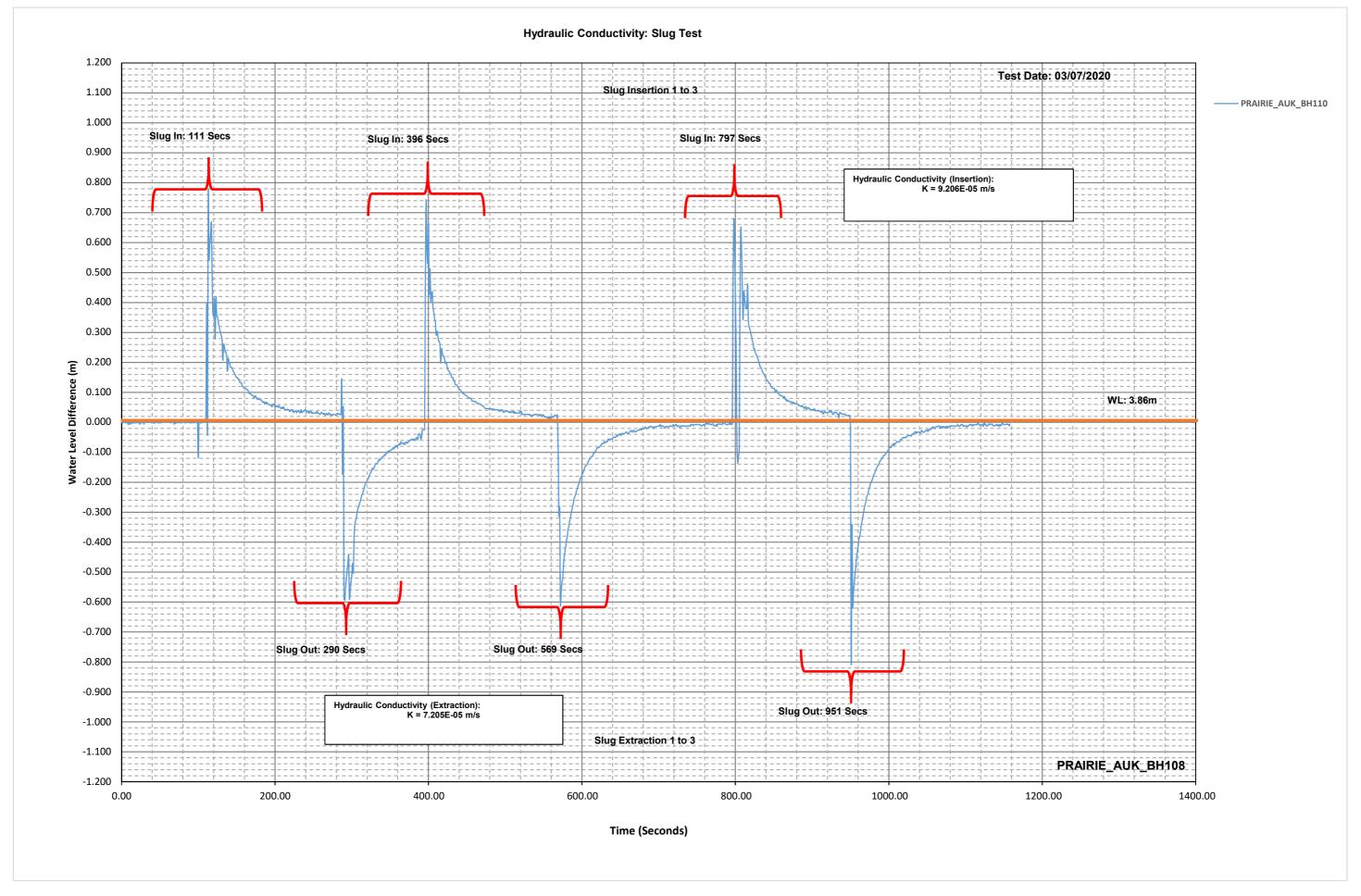
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



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

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

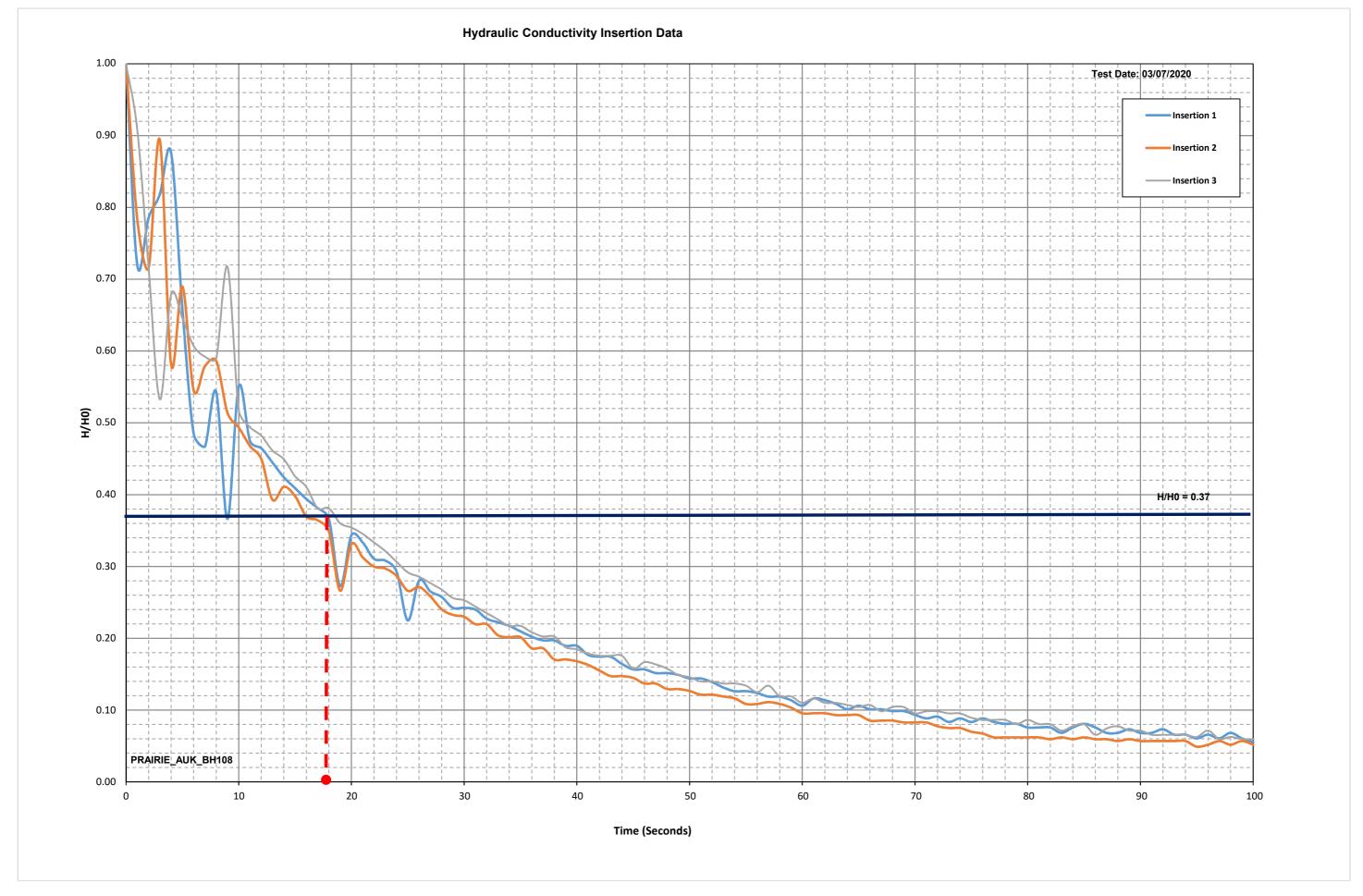
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

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

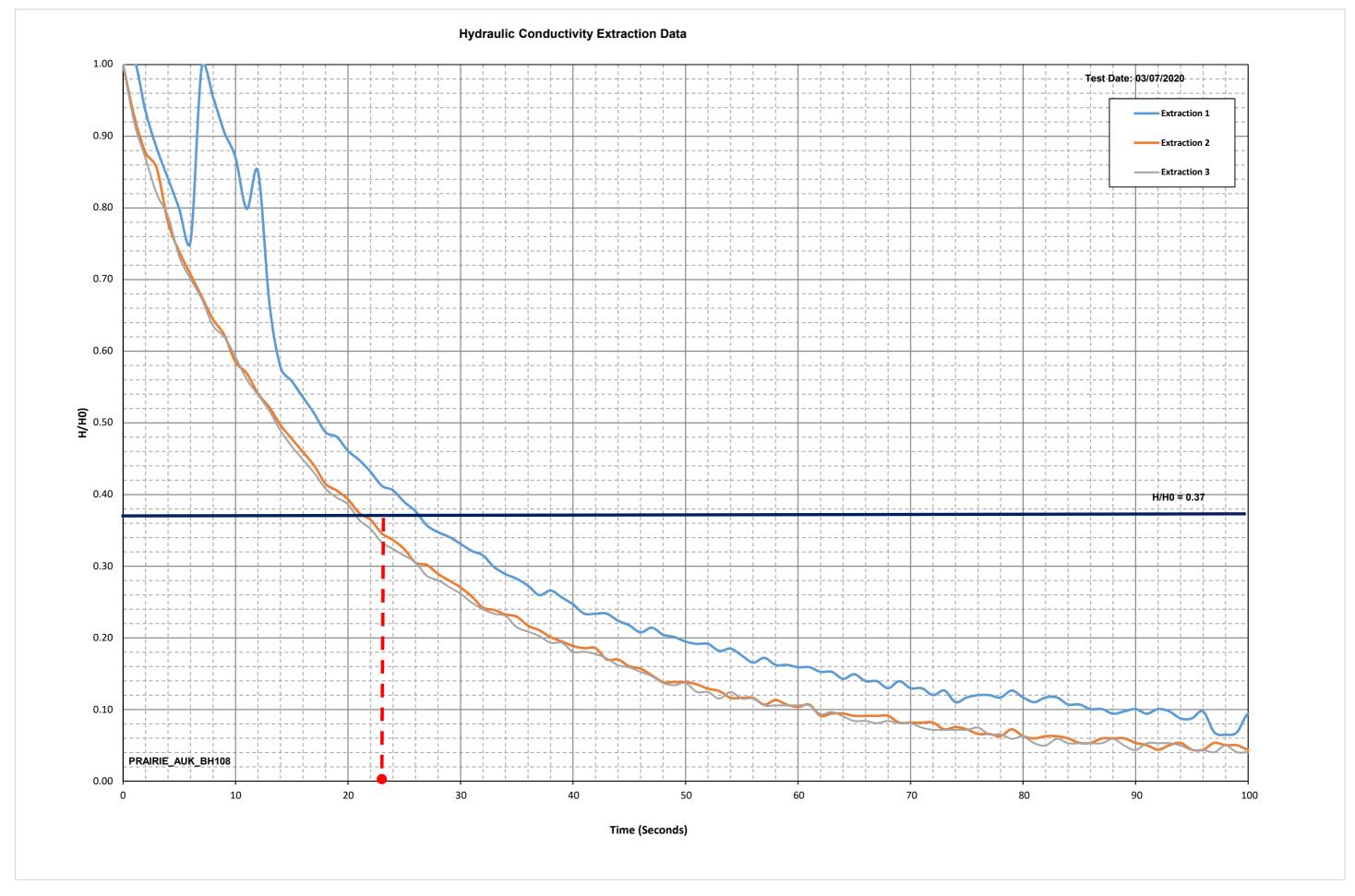
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Contract: Prairie Site Ground Investigation Works

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

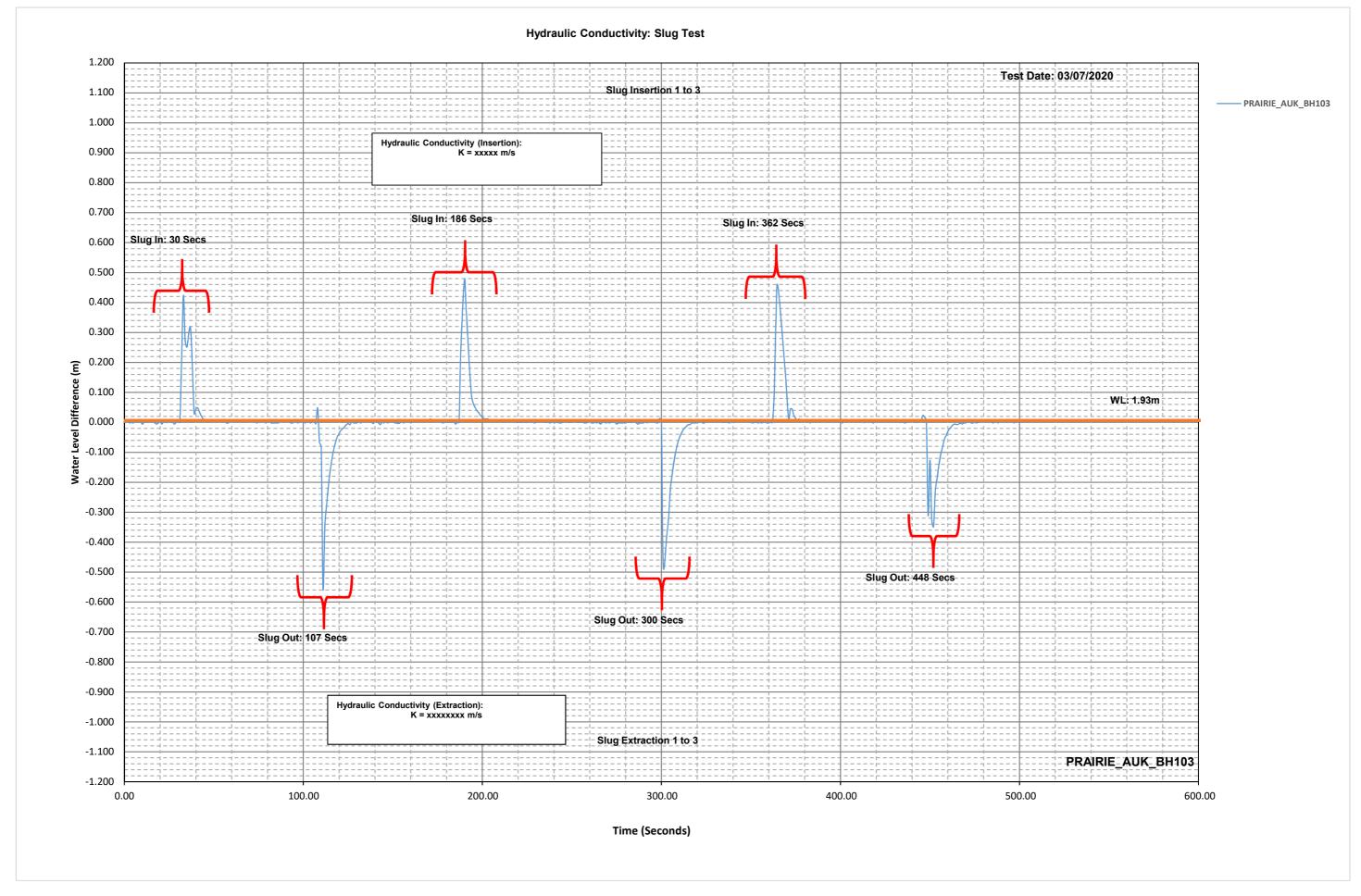
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

Contract No.: 4251 Date: 05/11/2020 Sheet: 12 of 15

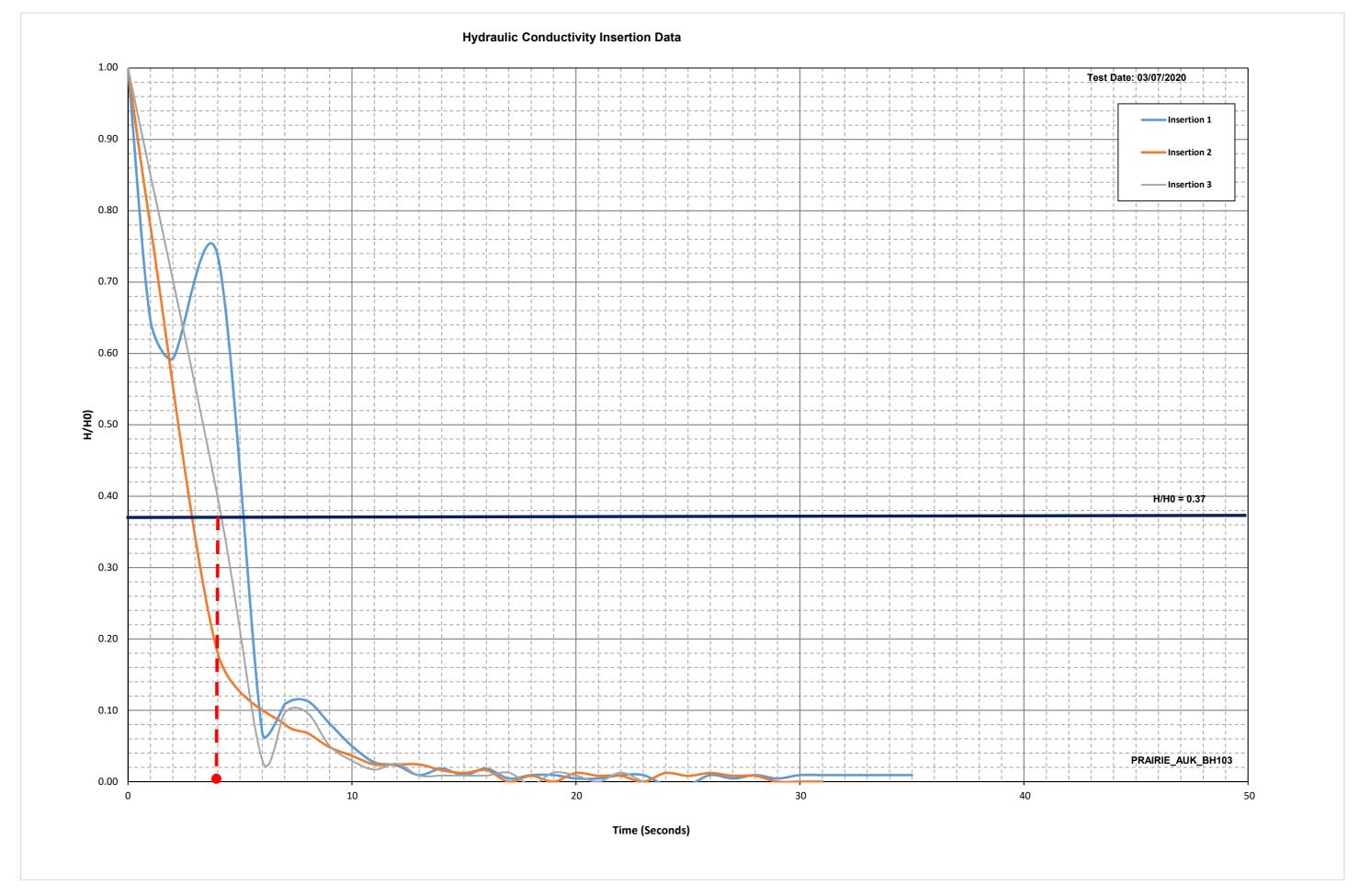
Head Office: Unit 25, Stella Gill Industrial Estate, Pelton Fell, Chester-le-Street, County Durham, DH2 2RG.



Contract: Prairie Site Ground Investigation Works

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

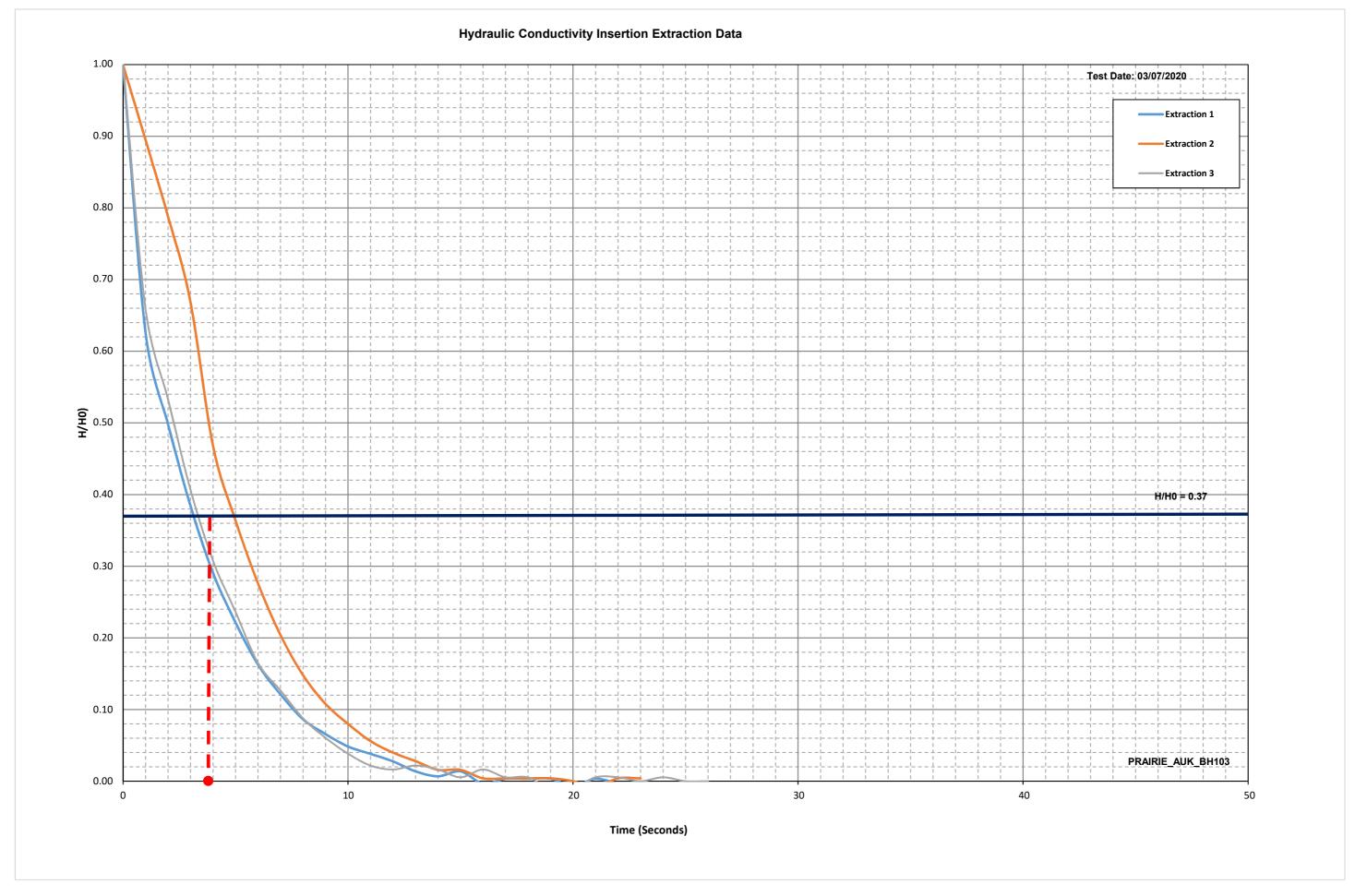
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Contract: Prairie Site Ground Investigation Works

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 red 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
Toots marked o	ton are estimated 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	_			3
·· 1 —	Sample Description Sheets	N/A		- 11
2	Mo sture Content	ļ - _{Yes}	BS 1377 Paid 2 1920 (BS RN ISO 17890 (17014)	1
2	Plasticity Index and Molstere Content	Yes	BS 1377 Part 2 1550 788 PN ISO 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	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
9	Shear Strength by Hand Vane	N5]	1
13	Uncrained Shear Strength in Triax at Cell without Pore Water Pressure Measurement	Yes	BS 1377 Part 7 1990	2
11	Determination of Point Load Index		ISRM 1985	1 .
12	Determination of Unconfined Compressive Strongth (Testod externally)		ISRM: 1985	·
13	Stag Analysis (Tested externally)		i	20

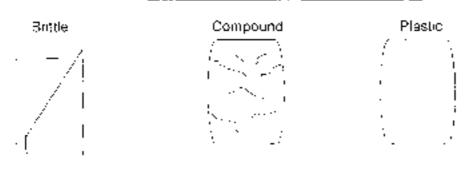
LABORATORY REPORT CERTIFICATE

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 (m) ID			Description	Laboratory Tests/Remarks		
PRAIRIE_AUK_BHI	01 3,00	U2	Low strength faminaled brown sity CLAY of intermed with occasional sitt lenses.	ate plasticity MC: PI PD UUT		
PRAIRIE_AUK_BHS	01 4.00	.]4	Brown slightly sandy CLAY	504		
PRAIRIE_AUK_BH1	01 4.00	B5	Brown sity slightly sandy CLAY	PSO SEO		
PRAIRIE_AUK_BH1	01 500	Ú7	Low strength laminated brown sity slightly sandy CLA intermediate plasticity.	Y of MC PI UUT		
PRAIRIE_AUK_BH1	01 8,00	U12	Medium strength laminated brown sity slightly sandy	CLAY. UUT		
PRÁIRIE AUK BHT	01 9.00	J14	Brown slightly sandy CLAY	\$04		
PRAIRIE_AUK_BH1	01 11,00	U18	High strength brown slightly sandy slightly gravelly Cliptasticity.	AY of low MC PI PD UUT		
PRAIRIE_AUK_BH1	01 12.50	J21	Brown slightly sandy gravelly CLAY.	MC PI(IS for LL)		
PRAIRIE_AUK_BH1	01 12 50	822	Brown slightly sandy slightly gravelly CLAY with a me content.	dium cebble PSD SED		
PRAIRIE_AUK_BH1	01 17:00	J30	Brown slightly sandy gravelly CLAY.	BRE		
PRAIRIE_AUK_BH1	01.87.10	J33.	White and brown slightly sandy GRAVEL	MC BRE US for PI		
PRAIRIE_AUK_BH1	03 2.50	U2	Medium strength brown slightly sandy CLAY	UUT OED		
PRAIRIE_AUK_BH1	03 2 95	13	Brown slightly sandy CLAY of high plasticity	MC PI		
PRAIRIE_AUK_BH1	03 4.50	US	Medium strength brown slightly sandy CLAY	υüτ		
PRAIRIE_AUK_BH1	03 5.50	B12	Brown sity slightly sandy CLAY.	PSD SED		
PRAIRIE_AUK_BHT	103 7.00	U14	Medium strength laminated brown CLAY with occasion	oral sill pockets. UUT		
PRAIRIE_AUK_BH	103 8.50	318	Brown sandy slightly gravelly CLAY of low plasticity.	MC PI		
PRAIRIE_AUK_BH	103 E-50	B19	Brown sightly sandy slightly gravelly CLAY	PSD SED		
PRAIRIE_AUK_EH	103 10 00	UZI	High strength brown slightly sandy slightly gravelly C	LAY DUT		
PRAIRIE_AUK_BH	103 13 00	J27	Brown sandy slightly gravelly CLAY of low plasticity	MC PI BRE		
PRAIRIE AUN BH	104 5.50	UZ.	High strength brown slightly saridy CLAY	UUT		
Contract Title -			Client			

Date of house -03/11/2020

Name -

Certificate No -

50/4201/1

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AEG Contract No. -

4251

