

Project Name: Letter Wind Farm Client: Letter Wind Farm Ltd Date: 12/05/2021 Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Co-ords: E587560.00 N824660.00 Equipment Hitachi EX100 Project No.: 2083-21 Crew Name: Logged By Location Number Location Type Level Scale Page Number 251.80m AoD TP T1 ΤP RC 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Well Stratum Description Legend Strikes (m) (m) Depth (m) Type Results Very soft, blackish brown, fibrous PEAT with potlets. alle alle s alic alic a alic alic a alic alic alic alic a alic alic Large timber fragments present. ale ale ale عائد عائد عاد عاد عاد عالاء عالاء alta alta alta alte alte عاد عاد عاد : عادد عادد عادد عادد عاد : عائد عائد عائد عائد عائد : عادد عادد عادد عادد عاد : ماد، ماد، ماد، ماد، ماد : عادد عادد عادد عادد عاد ale ale 1.50 250.30 Very soft to soft, light grey, slightly sandy SILT / CLAY. 2.00 В 2.00 249.80 2 Soft to firm, dark blueish grey, slightly sandy, slightly gravelly SILT / CLAY with occasional cobbles. 2.80 249.00 Extremely weak, dark grey, residual SHALE. Excavates as gravel with tabular cobbles and much 3 finer material. 3.50 В 3.80 248.00 End of Borehole at 3.800m 5 Dimensions Trench Support and Comment Pumping Data Pit Length Pit Width Pit Stability Date Shoring Used Rate Remarks 1.50

Remarks

No groundwater observed. Surface water entering excavation.

End of Trial Hole at 3.80m b.g.l.





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Projec	t Name:	Letter W	ind Farm	l	Client: Letter Wind Farm Ltd Date: 07/05/2021									
Locati	on: Drun	nkeeran,	Co. Leitri	im	Contractor: Wh	iteford G	eoservices	s Ltd	Co-ords: E587496.00 N824272.00					
Projed	t No. : 2	083-21			Crew Name:				Equipment Hitachi EX100					
Loc	ation Nu		Loca	ation Type TP	Level 254.45m A	.oD		ged By AT	Scale 1:25	1		ge Numboneet 1 of		
Well	Water Strikes	Sam Depth (ple and In Situ Testing (m) Type Results			Level (m)	Legend			Stratum Description				
vveii	Strikes	2.30 3.10	m) Typ	e Results	2.20 3.00 4.00	252.25 251.45 250.85	alle	Very soft to gravelly SI Soft, grey, cobbles are Loose to n GRAVEL v	o soft, light grey, slill / CLAY. sandy, gravelly SII nd boulders. nedium dense, yellwith occasional cobine to coarse and a End of Borehol	ightly sar	with occ	tiy casional	2	
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	Dime	ensions			Trench	n Support	and Comm	ent			Pumpir	ng Data		
Pit	Length 2.70	Pit V		Pit Stability Excavation instability	Shoring Used			Remarks		Date	Rate	Rema	ırks	
				throughout.										

Remarks

Moderate flow of water at 2.20m b.g.l. Surface water entering excavation.

End of Trial Hole at 4.00m b.g.l.





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Project Name:	Letter Wind	l Farm		Client: Letter W	/ind Farm	n Ltd		Date: 04/07/2023						
Location: Drum	nkeeran, Co	. Leitrim	l	Contractor: Wh	iteford G	eoservices	s Ltd	Co-ords: E5873	o-ords: E587376.59 N824345.08					
Project No. : 20	083-21			Crew Name:	rew Name:				Equipment Hitachi EX100					
Location Nu TP 2A	mber		on Type P	Level 258.21m A	.oD		ged By Sca JB, TA 1:2		L	Page Number Sheet 1 of 1				
Well Water Strikes			nd In Situ Testing Type Results	, ' \	Level (m)	Legend	\ <u>\</u> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
	nsions Pit Width		Pit Stability	2.60	255.62	and Comming alle alle alle alle alle alle alle all		End of Borehol				1 2 3 4 4 5 5 ks		
2.50	2.50	Exc	avation instability	Shoring Used			INCHIAIKS		Date	Nate	remai	149		
55	2.33		throughout.											

Remarks

Moderate groundwater flow at 2.4m depth. Not possible to dig any further due to hole walls continuously collapsing. Excavated approximately 40m from new T2 location, 15m off of road side.





Project Name:	I etter Wind	Farm		Client: Letter W	/ind Farm	ı I td		Date: 04/07/202	23				
Location: Drum			1	Contractor: Wh			Co-ords: E587381.06 N824364.60						
Project No. : 20				Crew Name:				Equipment hitachi EX100					
Location Nu TP 2B			on Type	Level 258.21m A	ωD	Logged By JW, JB, TA		Scale 1:25	Page Number				
Well Water Strikes		and In	Situ Testing	Depth	Level (m)	Legend							
Strikes	Depth (m)	Type	Results	3.80	254.42	alle,	Very soft	Stratum De				2 3	
												5 —	
Dime Pit Length	nsions Pit Width		Pit Stability	Trench Shoring Used	Support	and Comme	ent Remarks		Date	Pumpir Rate	ng Data Remai	rke	
2.50	2.50		avation instability throughout	Ononing Osed			r cilidir/2		Date	ixale	rvemal	6/1	

Remarks

Moderate groundwater flow just beneath surface and throughout pit depth. 15m off of roadside approximately 45m from new T2 location. "Quaking Bog" observed.





Project Name: Letter Wind Farm Client: Letter Wind Farm Ltd Date: 20/05/2023 Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Co-ords: E587450.00 N824196.36 Project No. : 2083-21 Equipment Hitachi EX100 Crew Name: Location Number Location Type Level Logged By Scale Page Number 256.40m AoD TP-T2-C ΤP J.Stothers 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Well Stratum Description Legend Strikes (m) (m) Results Depth (m) Type Soft, dark brown, fibrous PEAT 0.30 В 256.00 0.40 Firm, grey, gravelly sandy SILT/CLAY with pockets of fine to coarse GRAVEL 1.00 В 1.80 254.60 Extremely weak, grey partially weathered SLATE, Exavated as loose to medium dense fine to corse **GRAVEL** 2.00 В 2 3.00 В 3 4.00 252.40 End of Borehole at 4.000m 5 Dimensions Trench Support and Comment Pumping Data Shoring Used None Pit Stability Pit Length Pit Width Date Rate Remarks 2.00

Remarks

No Groundwater encountered.





Client: Letter Wind Farm Ltd Date: 06/05/2021 Project Name: Letter Wind Farm Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Co-ords: E587710.00 N823974.00 Equipment Hitachi EX100 Project No.: 2083-21 Crew Name: Logged By Location Number Location Type Level Scale Page Number 245.10m AoD TP T3 ΤP ΑT 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Well Stratum Description Legend Strikes (m) (m) Depth (m) Type Results Very soft, blackish brown, fibrous PEAT with potlets. alle alle عادد عادد عادد عادد عادد : ana ana aha aha aha : aha aha ale ale ale عائد عائد ale ale ale এদ এদ ale ale ale : عائد عائد عائد عائد عائد alte alte ماد ماد ماد alte alte 1.00 244.10 Very soft to soft, grey, slightly sandy, slightly gravelly SILT / CLAY. 1.40 В 1.90 243.20 Soft to firm, dark blueish grey, slightly sandy, gravelly SILT / CLAY with occasional cobbles and boulders. 2 В 2.30 3 3.10 242.00 Firm to stiff, dark blueish grey, slightly sandy, gravelly SILT / CLAY with occasional cobbles and boulders. 3.30 В 3.60 Medium dense, dark grey, slightly clayey, sandy GRAVEL with occasional cobbles and boulders. 4.00 В 4.00 241.10 End of Borehole at 4.000m 5 Dimensions Trench Support and Comment Pumping Data Pit Length Pit Width Pit Stability Date Shoring Used Rate Remarks 2 20

Remarks

No groundwater observed. Surface water entering excavation.

End of Trial Hole at 4.00m b.g.l.





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Project Name: Letter Wind Farm						ent: Letter W	ind Farm	Ltd	Date: 06/05/202	05/2021				
ocati	on: Drur	nkeeran,	Co. Leit	rim	Со	ntractor: Wh	Co-ords: E5878	Co-ords: E587855.00 N823698.00						
Projec	t No. : 2	083-21			Cre	ew Name:	Equipment. Hitachi EX100							
Loc	ation Nu		Loc	ation Type		Level	Logged By		Scale	1/2		ge Numbe		
	TP T4		TP ple and In Situ Testing		 !-= =:	239.70m A		AT		1:25	(V)	Sr	neet 1 of 1	1
Well	Water Strikes					Depth (m)	Level (m)	Legend		Stratum De	scription	70.		
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	Dime	ensions				Trench	Support	and Commo	ent			Pumpir	ng Data	
Pit	Length 3.00		Vidth .70	Pit Stability Excavation stab	e. SI	horing Used			Remarks		Date	Rate	Rema	rks

Remarks

No groundwater observed. Surface water entering excavation.

End of Trial Hole at 4.00m b.g.l.





Project Name: Letter Wind Farm Client: Letter Wind Farm Ltd Date: 06/05/2021 Co-ords: E588014.00 N823420.00 Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Equipment Hitachi EX100 Project No. : 2083-21 Crew Name: Location Number Location Type Level Logged By Scale Page Number 195.95m AoD TP SS1 ΤP ΑT 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description Strikes (m) (m) Results Depth (m) Type TOPSOIL. 0.30 195.65 Soft, orangey grey, sandy, slightly gravelly CLAY. 0.60 195.35 Firm to stiff, dark blueish grey, slightly sandy, gravelly SILT / CLAY with occasional cobbles and boulders. 1.40 В 2.60 193.35 Medium dense, dark blueish grey, clayey, slightly sandy GRAVEL with occasional cobbles and boulders. 2.80 В 3.00 192.95 3 Stiff to very stiff, dark blueish grey, slightly sandy, gravelly SILT / CLAY with occasional cobbles and boulders. 3.30 В 3.30 192.65 End of Borehole at 3.300m 5 Dimensions Trench Support and Comment Pumping Data Pit Stability Pit Length Pit Width Shoring Used Date Rate Remarks

Remarks

Very weak flow of groundwater at 2.00m b.g.l.

End of Trial Hole at 3.30m b.g.l.





Project Name: Letter Wind Farm Client: Letter Wind Farm Ltd Date: 07/05/2021 Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Co-ords: E587450.00 N824506.00 Equipment Hitachi EX100 Project No. : 2083-21 Crew Name: Location Number Location Type Level Logged By Scale Page Number 256.15m AoD TP SS2 ΤP ΑT 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Stratum Description Well Legend Strikes (m) (m) Results Depth (m) Type Very soft, blackish brown, fibrous PEAT with potlets. عالا عالا عالا : عائد عائد عائد عائد عائد : عادد عادد عادد عادد عاد : عائد عائد عائد عائد عائد : عادد عادد عادد عادد عاد : ماد، ماد، ماد، ماد، ماد : عادد عادد عادد عادد عاد : عادد عادد عادد عادد عاد 1.50 В : ماند ماند ماند ماند ماند : عائد عائد عائد عائد عائد عالد عالد : aux aux alk alk alk : alk alk ماند ماند ماند د ماند ماند 2 : ans ans als als als : als als alk alk alk : alk alk , alic 2.50 В عاد عاد عاد : عائد عائد عائد عائد عائد ana ana ana a aha aha aha aha ah alta alta عادد عادد عاد 3.00 В 3.00 253.15 3 End of Borehole at 3.000m 5 Dimensions Trench Support and Comment Pumping Data Pit Stability
Excavation instability
throughout. Pit Length Pit Width Date Shoring Used Rate Remarks 1.70

Remarks

No groundwater observed. Surface water entering excavation.

End of Trial Hole at 3.00m b.g.l. due to excavation instability.





Project Name: Letter Wind Farm Client: Letter Wind Farm Ltd Date: 06/05/2021 Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Co-ords: E587830.00 N823848.00 Equipment Hitachi EX100 Project No.: 2083-21 Crew Name: Location Number Location Type Level Logged By Scale Page Number 243.90m AoD TP SS3 ΤP ΑT 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Stratum Description Well Legend Strikes (m) (m) Results Depth (m) Type Very soft, blackish brown, fibrous PEAT with potlets. sure sure sure

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Excavation instability
throughout. Pit Length Pit Width Date Shoring Used Rate Remarks 1.70

Remarks

No groundwater observed. Very strong flow of surface water entering excavation.

End of Trial Hole at 3.00m b.g.l. due to water ingress and excavation instability.





Client: Letter Wind Farm Ltd Date: 25/01/2023 Project Name: Letter Wind Farm Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Co-ords: E587202.00 N824187.00 Equipment Hitachi EX100 Project No.: 2083-21 Crew Name: Logged By Location Number Location Type Level Scale Page Number 263.66m AoD TP BP01 ΤP ΑT 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Well Stratum Description Legend Strikes (m) (m) Depth (m) Type Results Very soft, blackish brown, fibrous PEAT with potlets. alte alte ماد عاد عاد 0.20 263.46 Very soft, grey, slightly sandy, slightly gravelly SILT/ CLAY. Sand is fine to coarse grained. Gravel is fine, sub angular. 0.50 В 0.65 263.01 Loose, becoming medium dense at base, grey, slightly clayey, slightly sandy GRAVEL. Sand is fine to coarse grained. Gravel is fine to medium, angular to sub angular. 1.50 В 2 2.10 261.56 Extremely weak, narrowly laminated, crystalline, fine 2.20 В grained SLATE, distinctly weathered to locally destructured. Excavates as medium dense, clayey, fine gravel with some cobbles at base of pit. 3 3.50 В 3.50 260.16 End of Borehole at 3.500m 5 Dimensions Trench Support and Comment Pumping Data Pit Stability Pit Length Pit Width Date Shoring Used Rate Remarks

Remarks

No groundwater observed. Surface water entering excavation. End Trial Hole at 3.50m b.g.l.





Project Name: Letter Wind Farm Client: Letter Wind Farm Ltd Date: 25/01/2023 Location: Drumkeeran, Co. Leitrim Contractor: Whiteford Geoservices Ltd Co-ords: E587257.00 N824169.00 Equipment Hitachi EX100 Project No. : 2083-21 Crew Name: Location Number Location Type Level Logged By Scale Page Number 261.83m AoD TP BP02 ΤP ΑT 1:25 Sheet 1 of 1 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description Strikes (m) (m) Depth (m) Type Results Very soft, blackish brown, fibrous PEAT with potlets. sure sure sure

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Remarks

No groundwater observed. Surface water entering excavation. End Trial Hole at 3.50m b.g.l.

