Appendix D

WA Site Investigation Logs

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH1
Sheet 1 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024 - 11/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636080.79 N150781.57	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 28.81m AoD	Final Depth: 30.00m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
						0.40	28.41		Soft brown slightly sandy CLAY. Sand is fine to coarse. (TOPSOIL).	
						0.65	28.16		Brown fine to coarse SAND with frequent white and black specs.	
									Chalk recovered as white unstained GRAVEL of chalk with occasional black specs. (PROBABLE NEWHAVEN CHALK FORMATION).	1
										2
										3
						4.00	24.81		Chalk recovered as a white unstained GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION)	4
										5
										6
										7
									8.00m - 8.20m : Band of flint	8
									9.00m - 9.20m : Band of flint	9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 15.15m	15.15m 30.00m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH1
Sheet 2 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024 - 11/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636080.79 N150781.57	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 28.81m AoD	Final Depth: 30.00m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Sample and In Situ Testing: Type	Sample and In Situ Testing: Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
									Chalk recovered as a white unstained GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION)	10
										11
									12.20m - 30.00m : Soft (Driller's description)	12
										13
									14.00m - 14.20m : Band of flint	14
										15
										16
										17
										18
										19

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 15.15m	15.15m 30.00m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH1
Sheet 3 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024 - 11/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636080.79 N150781.57	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 28.81m AoD	Final Depth: 30.00m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Sample and In Situ Testing: Type	Sample and In Situ Testing: Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
									Chalk recovered as a white unstained GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION)	20
									21.00m - 22.50m : 0% Flush returns	21
									22.50m - 24.00m : 10% Flush returns	22
									24.00m - 25.50m : 50% Flush returns	23
									25.50m - 27.00m : 70% Flush returns	24
									27.00m - 28.50m : 60% Flush returns	25
									28.50m - 30.00m : 50% Flush returns	26
										27
										28
										29

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 15.15m	15.15m 30.00m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH1
Sheet 4 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024 - 11/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636080.79 N150781.57	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 28.81m AoD	Final Depth: 30.00m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Sample and In Situ Testing: Type	Sample and In Situ Testing: Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
						30.00	-1.19		Chalk recovered as a white unstained GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION)	30
									End of Borehole at 30.00m	31
										32
										33
										34
										35
										36
										37
										38
										39

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 15.15m	15.15m 30.00m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH2
Sheet 1 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 16/01/2024 - 17/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636134.86 N150516.89	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 26.60m AoD	Final Depth: 31.70m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
						0.20	26.40		Soft brown slightly sandy CLAY. Sand is fine to coarse. (TOPSOIL).	
						0.50	26.10		Brown and white slightly gravelly fine to coarse SAND with frequent black specs. Gravel is angular to sub-angular fine to medium of chalk and flint.	
									Chalk recovered as a white unstained sandy GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION).	1 2 3 4 5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 16.85m	16.85m 31.70m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH2
Sheet 2 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 16/01/2024 - 17/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636134.86 N150516.89	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 26.60m AoD	Final Depth: 31.70m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Sample and In Situ Testing: Type	Sample and In Situ Testing: Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
									Chalk recovered as a white unstained sandy GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION).	10
										11
										12
										13
										14
										15
										16
										17
									18.00m - 31.70m : Soft (Driller's description)	18
										19

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 16.85m	16.85m 31.70m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH2
Sheet 3 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 16/01/2024 - 17/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636134.86 N150516.89	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 26.60m AoD	Final Depth: 31.70m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
									Chalk recovered as a white unstained sandy GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION).	20 21 22 23 24 25 26 27 28 29
									26.00m - 31.70m : 0% Flush returns	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 16.85m	16.85m 31.70m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH2
Sheet 4 of 4

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 16/01/2024 - 17/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636134.86 N150516.89	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 26.60m AoD	Final Depth: 31.70m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
									Chalk recovered as a white unstained sandy GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION).	30
										31
						31.70	-5.10		End of Borehole at 31.70m	32
										33
										34
										35
										36
										37
										38
										39

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 16.85m	16.85m 31.70m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH3
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024 - 10/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635967.60 N150453.62	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 16.51m AoD	Final Depth: 15.00m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Depth (m)	Level (m)	Stratum Description
		Soft brown slightly sandy CLAY. Sand is fine to coarse. (TOPSOIL).
0.60	15.91	Brown fine to coarse SAND with frequent white and black specs.
1.20	15.31	Chalk recovered as a white slightly gravelly SAND with frequent black specs. Gravel is chalk and flint. (PROBABLE SEAFORD CHALK FORMATION).
3.90	12.61	Chalk recovered as a white unstained sandy GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION).

Install. / Backfill | Water Strikes | Sample and In Situ Testing: Depth (m), Type, Results | Flush | Legend | Scale

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 9.06m	9.06m 15.00m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Rotary Open Hole Borehole Log

BOREHOLE REFERENCE
BH3
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024 - 10/01/2024	
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635967.60 N150453.62	
Project No. : GM12741	Drilling Equipment: Cocmacchio 305	Level : 16.51m AoD	Final Depth: 15.00m

Logged By	Checked By	Approved By	Bit Type	Core Barrel
EB	GH	GC		

Install. / Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Sample and In Situ Testing: Type	Sample and In Situ Testing: Results	Flush	Depth (m)	Level (m)	Legend	Stratum Description	Scale
									Chalk recovered as a white unstained sandy GRAVEL of chalk and flint with frequent black and grey specs. (PROBABLE SEAFORD CHALK FORMATION).	10
										11
										12
										13
										14
						15.00	1.51		End of Borehole at 15.00m	15
										16
										17
										18
										19

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush						Installation			
Base	Diameter	Base	Diameter	Top	Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Type	Colour	Min (%)	Max (%)	Top	Base	Pipe Type	Diameter
																		0.00m 9.06m	9.06m 15.00m	PLAIN SLOTTED	50mm 50mm

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to drilling. TESTING: No in-situ testing undertaken.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP01
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636088.65 N150813.74
Project No. : GM12741	Excavator: Ovenden KX-080-4	Dimensions : 2.00m x 1.00m — Final Depth: 1.80m
Logged By: FL	Checked By: GH	Approved By: GC	Level: 31.00m AoD	Orientation: 40°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	30.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	B					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER). *0.20m - 0.30m : Frequent Pockets of yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.*	
		1.00	ES						1
								1.70m - 1.80m : Frequent tabular flint seams	
					1.80	29.20		Base of Excavation at 1.80m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP02
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636029.33 N150769.12
Project No. : GM12741	Excavator: Ovenden KX-080-5	Dimensions : 2.00m x 1.00m — Final Depth: 2.10m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 30.00m AoD		Orientation: 50°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES					Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	29.70			
		0.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER). *0.30m - 0.40m : Frequent Pockets of yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.*	1
		1.50	ES						2
					2.10	27.90		Base of Excavation at 2.10m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP03
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636071.81 N150771.26
Project No. : GM12741	Excavator: Ovenden KX-080-6	Dimensions : 2.00m x 1.00m / Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 30.00m AoD		Orientation: 40°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES					Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	29.70			
		0.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER). *0.30m - 0.40m : Frequent Pockets of yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.*	1
		2.00	ES						2
					2.30	27.70		Base of Excavation at 2.30m	
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP04
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636112.83 N150764.31
Project No. : GM12741	Excavator: Ovenden KX-080-7	Dimensions : 2.00m x 1.00m — Final Depth: 2.40m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 31.00m AoD		Orientation: 120°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	30.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.40	ES		0.40	30.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		1.00	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER).	1
					2.40	28.60		Base of Excavation at 2.40m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP05
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635991.25 N150722.90
Project No. : GM12741	Excavator: Ovenden KX-080-8	Dimensions : 2.00m x 1.00m — Final Depth: 2.20m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 25.00m AoD — Orientation: 50°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	24.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.60	24.40		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		1.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
								2.10m - 2.20m : Frequent tabular flint seams	2
					2.20	22.80		Base of Excavation at 2.20m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP06
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636026.12 N150724.77
Project No. : GM12741	Excavator: Ovenden KX-080-9	Dimensions : 2.00m x 1.00m — Final Depth: 2.40m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 26.00m AoD — Orientation: 40°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	25.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	25.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00	ES						1
								2.10m - 2.20m : Frequent tabular flint seams	2
					2.20	23.80		SEAFORD CHALK FORMATION CHALK Recovered as white slightly clayey sandy subangular to angular fine to coarse GRAVEL of Chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular of chalk and flint.	
					2.40	23.60		*2.10m - 2.20m : Frequent tabular flint seams*	
								Base of Excavation at 2.40m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP07
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636075.02 N150724.23
Project No. : GM12741	Excavator: Ovenden KX-080-10	Dimensions : 2.00m x 1.00m — Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 29.00m AoD		Orientation: 120°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.30	28.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.70	28.30		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (MARGATE CHALK MEMBER). *0.30m - 0.40m : Frequent Pockets of yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.*	
		1.50	ES		2.30	26.70		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER).	1
								Base of Excavation at 2.30m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP08
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636107.88 N150737.06
Project No. : GM12741	Excavator: Ovenden KX-080-11	Dimensions : 2.00m x 1.00m — Final Depth: 1.90m
Logged By: FL	Checked By: GH	Approved By: GC	Level: 31.00m AoD	Orientation: 50°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	30.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER). *0.30m : Frequent Pockets of yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.*	
								Margate Chalk Member Chalk: Recovered as white slightly clayey sandy cobbly subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. *0.30m : Frequent Pockets of yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.*	1
					1.80	29.20			
					1.90	29.10		Base of Excavation at 1.90m	
		2.00	ES						2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Minor collapsing of sides of pit in chalk deposits.					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP09
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636077.42 N150341.08
Project No. : GM12741	Excavator: Ovenden KX-080-12	Dimensions : 2.00m x 1.00m — Final Depth: 2.20m
Logged By: FL	Checked By: GH	Approved By: GC	Level: 25.00m AoD	Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	24.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.60	24.40		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		2.00	ES		2.20	22.80		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1, 2, 3, 4
								2.10m - 2.20m : Frequent tabular flint seams	
								Base of Excavation at 2.20m	

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP10
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636111.09 N150331.99
Project No. : GM12741	Excavator: Ovenden KX-080-13	Dimensions : 2.00m x 1.00m — Final Depth: 2.20m
Logged By: FL	Checked By: GH	Approved By: GC	Level: 29.00m AoD	Orientation: 220°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	28.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	28.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER).	
		1.00	ES						1
									2
					2.20	26.80		Base of Excavation at 2.20m	
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP11
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 12/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636026.39 N150683.62
Project No. : GM12741	Excavator: Ovenden KX-080-14	Dimensions : 2.00m x 1.00m / Final Depth: 2.40m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 22.00m AoD		Orientation: 220°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	21.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	21.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					0.60	21.40		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		1.50	ES						
								2.20m - 2.30m : Frequent tabular flint seams	2
					2.40	19.60		Base of Excavation at 2.40m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP12
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 12/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636060.46 N150682.28
Project No. : GM12741	Excavator: Ovenden KX-080-15	Dimensions : 2.00m x 1.00m / Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 24.00m AoD		Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	23.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	23.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					0.70	23.30		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		1.00	ES						
									2
								2.20m - 2.30m : Frequent tabular flint seams	
					2.30	21.70		Base of Excavation at 2.30m	
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP13
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 12/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635978.03 N150621.63
Project No. : GM12741	Excavator: Ovenden KX-080-16	Dimensions : 2.00m x 1.00m / Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 27.00m AoD		Orientation: 40°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	26.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.50	26.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		2.00	ES		0.80	26.20		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION)	1
					2.30	24.70		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	2
								Base of Excavation at 2.30m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP14
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636026.12 N150625.91
Project No. : GM12741	Excavator: Ovenden KX-080-17	Dimensions : 2.00m x 1.00m / Final Depth: 2.40m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 19.00m AoD		Orientation: 220°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	18.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	18.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES		0.50	18.50		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
								2.30m - 2.40m : Frequent tabular flint seams	2
					2.40	16.60		Base of Excavation at 2.40m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP15
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636075.82 N150621.10
Project No. : GM12741	Excavator: Ovenden KX-080-18	Dimensions : 2.00m x 1.00m — Final Depth: 2.50m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 22.00m AoD — Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	21.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.40	21.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		2.00	ES		0.70	21.30		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					2.50	19.50		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
								2.40m - 2.50m : Frequent tabular flint seams	2
								Base of Excavation at 2.50m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP16
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635932.07 N150570.33
Project No. : GM12741	Excavator: Ovenden KX-080-19	Dimensions : 2.00m x 1.00m / Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 23.00m AoD		Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.30	22.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.50	22.50		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION). Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		1.50	ES						2
					2.30	20.70		Base of Excavation at 2.30m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP17
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 12/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635972.15 N150572.47
Project No. : GM12741	Excavator: Ovenden KX-080-20	Dimensions : 2.00m x 1.00m / Final Depth: 2.20m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 25.00m AoD	Orientation: 0°	

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
					0.20	24.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.20	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		0.50	ES					*0.20m - 0.40m : Frequent Pockets of yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.*	
					0.70	24.30		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		1.50	ES						2
								2.10m - 2.20m : Frequent tabular flint seams	
					2.20	22.80		Base of Excavation at 2.20m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP18
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 12/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636026.66 N150571.40
Project No. : GM12741	Excavator: Ovenden KX-080-21	Dimensions : 2.00m x 1.00m — Final Depth: 2.20m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 26.00m AoD — Orientation: 40°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.00	ES					Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.10	ES		0.20	25.80		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.45	25.55		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (MARGATE CHALK MEMBER).	
					0.70	25.30		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER).	
		1.00	ES						1
									2
					2.20	23.80		Base of Excavation at 2.20m	
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Minor collapsing of sides of pit in chalk deposits.					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP19
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636085.44 N150573.00
Project No. : GM12741	Excavator: Ovenden KX-080-22	Dimensions : 2.00m x 1.00m — Final Depth: 3.00m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 17.00m AoD — Orientation: 130°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	16.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.40	16.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	1
		1.50	ES		1.60	15.40		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	2
					3.00	14.00		Base of Excavation at 3.00m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP20
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636127.66 N150570.86
Project No. : GM12741	Excavator: Ovenden KX-080-23	Dimensions : 2.00m x 1.00m / Final Depth: 3.60m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 19.00m AoD		Orientation: 10°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	18.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES					Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	1
					1.50	17.50		(Soft) Light yellowish brown slightly sandy slightly gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subrounded to subangular fine to coarse of chalk and flint. Cobbles are angular flint.	2
					2.20	16.80		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		3.00	ES						3
					3.50	15.50		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
					3.60	15.40		Base of Excavation at 3.60m	4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP21
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635934.74 N150523.30
Project No. : GM12741	Excavator: Ovenden KX-080-24	Dimensions : 2.00m x 1.00m — Final Depth: 2.20m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 22.00m AoD — Orientation: 280°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10 0.10	B ES		0.20	21.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50 0.50	B ES		0.50	21.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		1.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1 2
					2.20	19.80		Base of Excavation at 2.20m	3 4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP22
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635976.42 N150522.77
Project No. : GM12741	Excavator: Ovenden KX-080-25	Dimensions : 2.00m x 1.00m / Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 24.00m AoD		Orientation: 280°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	23.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	23.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES		0.60	23.40		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
					2.30	21.70		Base of Excavation at 2.30m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP23
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636026.66 N150522.77
Project No. : GM12741	Excavator: Ovenden KX-080-26	Dimensions : 2.00m x 1.00m / Final Depth: 2.10m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 24.00m AoD	Orientation: 10°	

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	23.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	23.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					0.65	23.35		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		1.50	B						
		2.00	ES						2
					2.10	21.90		Base of Excavation at 2.10m	
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP24
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636079.03 N150522.77
Project No. : GM12741	Excavator: Ovenden KX-080-27	Dimensions : 2.00m x 1.00m — Final Depth: 2.70m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 20.00m AoD — Orientation: 120°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.30	19.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.50	19.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		1.00	ES		1.00	19.00		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	1
								Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	2
					2.70	17.30		Base of Excavation at 2.70m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP25
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636126.05 N150525.44
Project No. : GM12741	Excavator: Ovenden KX-080-28	Dimensions : 2.00m x 1.00m / Final Depth: 2.20m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 20.00m AoD		Orientation: 120°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.30	19.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	B		0.40	19.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES		0.60	19.40		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		2.00	ES		2.20	17.80		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1, 2
								Base of Excavation at 2.20m	3, 4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP26
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635974.29 N150473.61
Project No. : GM12741	Excavator: Ovenden KX-080-29	Dimensions : 2.00m x 1.00m — Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC	Level: 22.00m AoD	Orientation: 320°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	21.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.40	21.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					0.80	21.20		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00	ES						1
									2
					2.30	19.70		Base of Excavation at 2.30m	
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP27
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636024.52 N150475.21
Project No. : GM12741	Excavator: Ovenden KX-080-30	Dimensions : 2.00m x 1.00m / Final Depth: 2.50m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 23.00m AoD		Orientation: 0°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	22.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	22.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					0.80	22.20		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00	ES						1
									2
					2.50	20.50		Base of Excavation at 2.50m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Minor collapsing of sides of pit in chalk deposits.					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP28
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636076.89 N150473.07
Project No. : GM12741	Excavator: Ovenden KX-080-31	Dimensions : 2.00m x 1.00m / Final Depth: 2.60m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 18.00m AoD		Orientation: 110°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES					Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	17.70			
		0.50	ES					(Loose) Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is fine to medium subrounded to subangular chalk and flint.	
					0.70	17.30		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is fine to medium subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
					0.90	17.10		Chalk recovered as (Loose to medum dense) white slightly clayey sandy cobbly fine to coarse subangular to angular GRAVEL of chalk and flint (Grade Dc). Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		2.00	ES						2
					2.60	15.40		Base of Excavation at 2.60m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP29
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636122.31 N150475.21
Project No. : GM12741	Excavator: Ovenden KX-080-32	Dimensions : 1.00m x 2.00m / Final Depth: 2.50m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 18.00m AoD		Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.30	17.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.50	17.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		1.00	ES		0.90	17.10		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					2.40	15.60		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION). SEAFORD CHALK FORMATION Recovered as white slightly clayey sandy subangular to angular fine to coarse GRAVEL of Chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular of chalk and flint.	1, 2
					2.50	15.50		Base of Excavation at 2.50m	3, 4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP30
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635991.39 N150431.39
Project No. : GM12741	Excavator: Ovenden KX-080-33	Dimensions : 2.00m x 1.00m / Final Depth: 2.40m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 19.00m AoD		Orientation: 40°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES					Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	18.70			
					0.40	18.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.50	ES					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		0.60	B		0.60	18.40		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		1.50	ES						2
					2.40	16.60		Base of Excavation at 2.40m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP32
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636076.09 N150424.44
Project No. : GM12741	Excavator: Ovenden KX-080-34	Dimensions : 2.00m x 1.00m — Final Depth: 2.50m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 18.00m AoD		Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.20	ES		0.20	17.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.50	17.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.90	17.10		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		1.50	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1, 2, 3, 4
					2.50	15.50		Base of Excavation at 2.50m	

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP33
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636121.51 N150426.05
Project No. : GM12741	Excavator: Ovenden KX-080-35	Dimensions : 2.00m x 1.00m / Final Depth: 2.10m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 19.00m AoD		Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	18.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.60	18.40		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.80	18.20		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00	ES					Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
					2.10	16.90		Base of Excavation at 2.10m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP35
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 09/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636075.82 N150374.74
Project No. : GM12741	Excavator: Ovenden KX-080-36	Dimensions : 2.00m x 1.00m / Final Depth: 2.30m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 18.00m AoD		Orientation: 120°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES		0.20	17.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		0.50	ES		0.60	17.40		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.80	17.20		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		2.00	ES		2.30	15.70		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1, 2
								Base of Excavation at 2.30m	3, 4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TP36
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636119.11 N150374.21
Project No. : GM12741	Excavator: Ovenden KX-080-37	Dimensions : 2.00m x 1.00m — Final Depth: 3.00m
Logged By: FL	Checked By: GH	Approved By: GC — Level: 18.00m AoD — Orientation: 120°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
		0.10	ES					Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	17.70			
		0.50	ES		0.50	17.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		0.70	B					Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					0.80	17.20		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		2.50	ES						2
					3.00	15.00		Base of Excavation at 3.00m	3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TPA
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635980.54 N150542.33
Project No. : GM12741	Excavator: Ovenden KX-080-4	Dimensions : 2.00m x 1.00m — Final Depth: 1.00m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 19.00m AoD		Orientation: 10°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
					0.20	18.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	18.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.70	18.30		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					1.00	18.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
								Base of Excavation at 1.00m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

Test pit excavated to obtain bedrock depth adjacent to potential dissolution feature. SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TPB
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635964.11 N150519.61
Project No. : GM12741	Excavator: Ovenden KX-080-4	Dimensions : 2.00m x 1.00m — Final Depth: 1.00m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 19.00m AoD		Orientation: 240°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
					0.20	18.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.50	18.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.80	18.20		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					1.00	18.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
								Base of Excavation at 1.00m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

Test pit excavated to obtain bedrock depth adjacent to potential dissolution feature. SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Trial Pit Log

TRIAL PIT REFERENCE
TPC
Sheet 1 of 1

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635987.41 N150518.27
Project No. : GM12741	Excavator: Ovenden KX-080-4	Dimensions : 2.00m x 1.00m — Final Depth: 1.00m
Logged By: FL	Checked By: GH	Approved By: GC
Level: 19.00m AoD		Orientation: 310°

Backfill	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
					0.20	18.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.40	18.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.60	18.40		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
					1.00	18.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
								Base of Excavation at 1.00m	2
									3
									4

Trench Support and Comment			Pumping Data		
Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Stable					

General Remarks

Test pit excavated to obtain bedrock depth adjacent to potential dissolution feature. SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: No in-situ testing undertaken. Strength determined using hand-methods. BACKFILL: Trial pit backfilled with arisings. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS01
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636110.56 N150825.77
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 32.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	31.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
		1.00 – 1.45 1.00	D SPT(S)	N=15 (2,2/2,4,4,5)				Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER).	1
		2.00 – 2.45 2.00	D SPT(S)	N=18 (1,4/4,4,5,5)					2
		3.00 – 3.45 3.00	D SPT(S)	N=10 (3,3/3,2,2,3)					3
		4.00 – 4.45 4.00	D SPT(S)	N=13 (2,2/2,3,4,4)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS01
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636110.56 N150825.77
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 32.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=18 (4,5/3,5,5,5)	5.00	27.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS02
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636087.58 N150721.03
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 29.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	28.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.40	28.60		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint. Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER).	
		1.00 – 1.45 1.00	D SPT(S)	N=9 (1,2/1,2,3,3)					1
		2.00 – 2.45 2.00	D SPT(S)	N=14 (1,2/3,3,4,4)					2
		3.00 – 3.45 3.00	D SPT(S)	N=14 (2,3/2,3,4,5)					3
		4.00 – 4.45 4.00	D SPT(S)	N=17 (3,4/4,4,5,4)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS02
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636087.58 N150721.03
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 29.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=21 (2,5/5,5,6,5)	5.00	24.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS03
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636065.67 N150629.65
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 27.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
					0.30	26.70		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.60	26.40		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
		1.00 – 1.45 1.00	D SPT(S)	N=6 (1,1/1,2,1,2)	1.00	26.00		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	1
		2.00 – 2.45 2.00	D SPT(S)	N=18 (3,3/4,4,5,5)				Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	2
		3.00 – 3.45 3.00	D SPT(S)	N=16 (3,2/4,4,4,4)					3
		4.00 – 4.45 4.00	D SPT(S)	N=17 (4,3/4,5,4,4)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS03
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636065.67 N150629.65
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 27.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=15 (2,3/3,4,4,4)	5.00	22.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS04
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636120.20 N150588.82
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 26.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
								Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	25.70			
								Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
					0.50	25.50		Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00 – 1.45 1.00	D SPT(S)	N=6 (1,1/1,2,1,2)	1.00	25.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER).	1
		2.00 – 2.45 2.00	D SPT(S)	N=14 (2,4/3,4,4,3)					2
		3.00 – 3.45 3.00	D SPT(S)	N=21 (5,6/5,6,5,5)					3
		4.00 – 4.45 4.00	D SPT(S)	N=25 (4,5/4,7,7,7)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS04
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636120.20 N150588.82
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 26.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=28 (4,6/6,8,7,7)	5.00	21.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (MARGATE CHALK MEMBER). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS05
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636027.86 N150749.35
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 28.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
								Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	27.70			
								Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00 – 1.45 1.00	D SPT(S)	N=9 (1,1/2,1,3,3)					1
		2.00 – 2.45 2.00	D SPT(S)	N=18 (4,4/5,4,5,4)					2
		3.00 – 3.45 3.00	D SPT(S)	N=16 (3,3/4,4,4,4)					3
		4.00 – 4.45 4.00	D SPT(S)	N=14 (4,4/4,4,3,3)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS05
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 11/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636027.86 N150749.35
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 28.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=17 (2,3/4,5,4,4)	5.00	23.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS06
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635950.91 N150548.95
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 20.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
								Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.20	19.80		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00 – 1.45 1.00	D SPT(S)	N=7 (1,2/1,1,2,3)					1
		2.00 – 2.45 2.00	D SPT(S)	N=20 (1,2/5,5,5,5)					2
		3.00 – 3.45 3.00	D SPT(S)	N=22 (2,3/6,5,5,6)					3
		4.00 – 4.45 4.00	D SPT(S)	N=17 (4,4/5,4,4,4)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS06
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E635950.91 N150548.95
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 20.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=25 (3,4/6,6,7,6)	5.00	15.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS07
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636049.77 N150500.33
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 21.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description	Scale
					0.20	20.80		Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.30	20.70		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
								Chalk recovered as (Loose to medium dense) yellowish brown slightly clayey gravelly fine to coarse SAND (Grade Dm). Gravel is subangular to angular fine to medium chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00 – 1.45 1.00	D SPT(S)	N=6 (1,1/1,2,1,2)	1.00	20.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	1
		2.00 – 2.45 2.00	D SPT(S)	N=19 (2,2/3,4,6,6)					2
		3.00 – 3.45 3.00	D SPT(S)	N=17 (3,3/4,4,5,4)					3
		4.00 – 4.45 4.00	D SPT(S)	N=12 (1,1/2,3,3,4)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS07
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636049.77 N150500.33
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 21.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=15 (4,4/3,4,4,4)	5.00	16.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS08
Sheet 1 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636100.54 N150398.26
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 18.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
								Dark brown slightly sandy CLAY. Sand is fine to medium. (TOPSOIL)	
					0.40	17.60			
					0.50	17.50		Yellowish brown slightly gravelly clayey fine to coarse SAND. Gravel is subrounded to subangular fine to medium of chalk and flint.	
								Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION).	
		1.00 – 1.45 1.00	D SPT(S)	N=9 (1,2/2,2,2,3)					1
		2.00 – 2.45 2.00	D SPT(S)	N=16 (3,4/3,3,4,6)					2
		3.00 – 3.45 3.00	D SPT(S)	N=15 (2,3/3,3,4,5)					3
		4.00 – 4.45 4.00	D SPT(S)	N=17 (2,7/5,3,4,5)					4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Windowless Sample Borehole Log

BOREHOLE REFERENCE
WS08
Sheet 2 of 2

Project Name: Cross Road, Deal	Client: Gladman Developments Ltd	Date: 10/01/2024
Location: Cross Road, Deal, Kent	Contractor: Geotron UK Ltd	Co-ords: E636100.54 N150398.26
Project No. : GM12741	Drilling Equipment: WS Rig	Level : 18.00m AoD

Logged By	Checked By	Approved By	SPT Energy Ratio	Final Depth
FL	GH	GC	%	5.00

Install. / Backfill	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
		Depth (m)	Type	Results					
		5.00 – 5.45 5.00	D SPT(S)	N=18 (4,5/5,4,5,4)	5.00	13.00		Chalk recovered as (Loose to medium dense) white slightly clayey sandy subangular to angular fine to coarse GRAVEL of chalk and flint (Grade Dc) with medium cobble content. Sand is fine to medium. Cobbles are subangular to angular chalk and flint. (SEAFORD CHALK FORMATION). End of Borehole at 5.00m	5 6 7 8 9

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Installation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Top	Base	Inclination	Orientation	Top	Base	Pipe Type	Diameter
1.00m 2.00m 3.00m 4.00m 5.00m	87mm 78mm 78mm 67mm 67mm											0.00m 1.00m	1.00m 5.00m	PLAIN SLOTTED	

Remarks

SERVICES: Location service cleared using a GPR Survey prior to excavation. TESTING: In-situ SPT testing undertaken. BACKFILL: Borehole installed with standpipe with gravel and bentonite backfill. GROUNDWATER: No groundwater encountered.

Log printed on 23/04/2024 at 09:04

Appendix E

Geotron Site Investigation Logs

Rotary Drilling Log

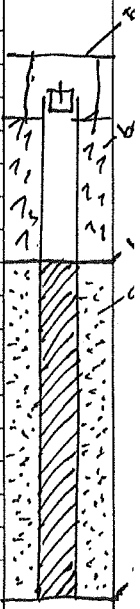
Rig Crew (Initials)	JT	MP		Borehole Reference	WS01				
Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY				Sheet	1	of	1	Weather	
Job Ref.	J2874	Site Location	Dover	Client	Wardell Armstrong	Day	Thurs	Date	11/1/24

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
1	101	0.00	1.00	87	—									1.00	✓	✓
2	SPT	1.00	1.45	✓	2	2	2	4	4	5	15	✓	✓	✓	✓	✓
3	92	1.00	2.00	78	—									1.00	✓	✓
4	SPT	2.00	2.45	✓	1	4	4	4	5	5	18	✓	✓	✓	✓	✓
5	92	2.00	3.00	78	—									1.00	✓	✓
6	SPT	3.00	3.45	✓	3	3	3	2	2	3	10	✓	✓	✓	✓	✓
7	81	3.00	4.00	67	—									1.00	✓	✓
8	SPT	4.00	4.45	✓	2	2	2	3	4	4	13	✓	✓	✓	✓	✓
9	81	4.00	5.00	67	—									1.00	✓	✓
10	SPT	5.00	5.45	✓	4	5	3	5	5	5	18	✓	✓	✓	✓	✓
Clean out	92	2.00	5.00	78	—									✓	✓	✓

Borehole Diameter(s)

Installation Details



BH cont.	NTN	Casing (depth m)	—	BH complete (depth m)	5.45

EQUIPMENT & FLUSH DETAILS		SPT Hammer Ref:	—
Barrel Type:	101 mm 92 mm 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
Rig set up	10 mins		Hours
Service pit	N/A		Hours
Casing reduced from	/ mm to / mm at / m		Hours
Casing reduced from	/ mm to / mm at / m		Hours

From	To	Standing Time/Dayworks Record

Rig Type	Competitor	Time on site	0800
Name	Dart	Time off site	17 00

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)	63
Plain 1.00 / Screen	4.00
Well materials	Gravel / Bento
No. bags	1 / 2

Other materials used (e.g. geosock, PPE etc.)
gas burg
end cap
tophat cover

Welltag

Sample quantities	SPT/CPT	U	UT	D	B	W
	5	✓	✓	✓	✓	✓

Lead driller name	J. Taylor	Site engineer name	

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Rotary Drilling Log

Rig Crew (Initials)	JT	MP		Borehole Reference	WS02				
Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY				Sheet	1	of	1	Weather	
Job Ref.	J2874	Site Location	Dover	Client	Wardell Armstrong	Day	Thurs	Date	11/1/24

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
1	101	0.00	1.00	87	—									1.00	✓	✓
2	SPT	1.00	1.45	✓	1	2	1	2	3	3	9	✓	✓	✓	✓	✓
3	92	1.00	2.00	78	—									1.00	✓	✓
4	SPT	2.00	2.45	✓	1	2	3	3	4	4	14	✓	✓	✓	✓	✓
5	92	2.00	3.00	78	—									1.00	✓	✓
6	SPT	3.00	3.45	✓	2	3	2	3	4	5	14	✓	✓	✓	✓	✓
7	81	3.00	4.00	67	—									1.00	✓	✓
8	SPT	4.00	4.45	✓	3	4	4	4	5	4	17	✓	✓	✓	✓	✓
9	81	4.00	5.00	67	—									1.00	✓	✓
10	SPT	5.00	5.45	✓	2	5	5	5	6	5	21	✓	✓	✓	✓	✓
Clean out	92	2.00	5.00	78	—									✓	✓	✓

Borehole Diameter(s)

Installation Details

BH cont.	*TN	Casing (depth m)	—	BH complete (depth m)	5.45

EQUIPMENT & FLUSH DETAILS		SPT Hammer Ref:	—
Barrel Type:	101 mm 92 mm 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
Rig set up	10 mins		Hours
Service pit	N/A		Hours
Casing reduced from / mm to / mm at / m			Hours
Casing reduced from / mm to / mm at / m			Hours

From	To	Standing Time/Dayworks Record

Rig Type	Competitor	Time on site	0800
Name	Dart	Time off site	17 00

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)	63
Plain 1.00 / Screen	4.00
Well materials	Gravel: 1 / Bento: 2
No. bags	

Other materials used (e.g. geosock, PPE etc.)
gas burg
end cap
tophat cover

Welltag

Sample quantities	SPT/CPT	U	UT	D	B	W
	5	✓	✓	✓	✓	✓

Lead driller name	J. Taylor	Site engineer name	

Rotary Drilling Log

Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY

Rig Crew (Initials): JT MP

Borehole Reference: WS03

Sheet: 1 of 1

Weather:

Job Ref.: ~~J2874~~ J2874 | Site Location: Dover | Client: Wardell Armstrong | Day: Thurs | Date: 11/1/24

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
1	101	0.00	1.00	87	—									1.00	✓	✓
2	SPT	1.00	1.45	✓	1	1	1	2	1	2	6	✓	✓	✓	✓	✓
3	92	1.00	2.00	78	—									1.00	✓	✓
4	SPT	2.00	2.45	✓	3	3	4	4	5	5	18	✓	✓	✓	✓	✓
5	92	2.00	3.00	78	—									1.00	✓	✓
6	SPT	3.00	3.45	✓	3	2	4	4	4	4	16	✓	✓	✓	✓	✓
7	81	3.00	4.00	67	—									1.00	✓	✓
8	SPT	4.00	4.45	✓	4	3	4	5	4	4	17	✓	✓	✓	✓	✓
9	81	4.00	5.00	67	—									1.00	✓	✓
10	SPT	5.00	5.45	✓	2	3	3	4	4	4	15	✓	✓	✓	✓	✓
Clean out	92	2.00	5.00	78	—									✓	✓	✓

Borehole Diameter(s): Installation Details

BH cont.: ~~*TN~~ | Casing (depth m): — | BH complete (depth m): 5.45

EQUIPMENT & FLUSH DETAILS

Barrel Type:	101 mm 92 mm 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
		SPT Hammer Ref:	—

Rig set up	10 mins	Hours
Service pit	N/A	Hours
Casing reduced from / mm to / mm at / m		Hours
Casing reduced from / mm to / mm at / m		Hours

From	To	Standing Time/Dayworks Record

Rig Type: Competitor | Time on site: 0800

Name: Dart | Time off site: 17 00

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm): 63

Plain: 1.00 | Screen: 4.00

Well materials: Gravel 1 | Bento 2

No. bags

Other materials used (e.g. geosock, PPE etc.): gas burg, end cap, tophat cover

Sample quantities

SPT/CPT	U	UT	D	B	W
5	✓	✓	✓	✓	✓

Lead driller name: J. Taylor | Site engineer name:

Welltag:

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Rotary Drilling Log

Rig Crew (Initials)	JT	MP		Borehole Reference	WS04				
Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY				Sheet	1	of	1	Weather	
Job Ref.	J2874	Site Location	Dover	Client	Wardell Armstrong	Day	Wed	Date	10/1/24

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
1	101	0.00	1.00	87	—									1.00	✓	✓
2	SPT	1.00	1.45	✓	1	1	1	2	1	2	6	✓	✓	✓	✓	✓
3	92	1.00	2.00	78	—									1.00	✓	✓
4	SPT	2.00	2.45	✓	2	4	3	4	4	3	14	✓	✓	✓	✓	✓
5	92	2.00	3.00	78	—									1.00	✓	✓
6	SPT	3.00	3.45	✓	5	6	5	6	5	5	21	✓	✓	✓	✓	✓
7	81	3.00	4.00	67	—									1.00	✓	✓
8	SPT	4.00	4.45	✓	4	5	4	7	7	7	25	✓	✓	✓	✓	✓
9	81	4.00	5.00	67	—									1.00	✓	✓
10	SPT	5.00	5.45	✓	4	6	6	8	7	7	28	✓	✓	✓	✓	✓
Clean out	92	2.00	5.00	78	—									✓	✓	✓

Borehole Diameter(s)

Installation Details

BH cont.	*TN	Casing (depth m)	—	BH complete (depth m)	5.45

EQUIPMENT & FLUSH DETAILS		SPT Hammer Ref:	—
Barrel Type:	101 mm 92 mm 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
Rig set up	10 mins		Hours
Service pit	N/A		Hours
Casing reduced from	/ mm to / mm at / m		Hours
Casing reduced from	/ mm to / mm at / m		Hours

From	To	Standing Time/Dayworks Record

Rig Type	Competitor	Time on site	0800
Name	Dart	Time off site	17 00

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)			63
Plain	1.00	Screen	4.00
Well materials		Gravel	Bento
No. bags		1	2

Other materials used (e.g. geosock, PPE etc.)
gas bung
end cap
tophat cover

Welltag

Sample quantities	SPT/CPT	U	UT	D	B	W
	5	✓	✓	✓	✓	✓

Lead driller name	J. Taylor	Site engineer name	

Rotary Drilling Log

Rig Crew (Initials)	JT	MP		Borehole Reference	WS05
Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY	Sheet	1	of	1	Weather

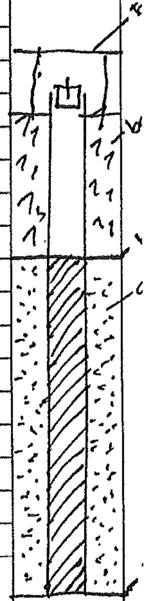
Job Ref.	J2874	Site Location	Dover	Client	Wardell Armstrong	Day	Thurs	Date	11/1/24	Borehole Diameter(s)

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

BH cont.	XTN	Casing (depth m)	—	BH complete (depth m)	5.45

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	75-150	150-225	225-300	300-375	375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
1	101	0.00	1.00	87	—	—	—	—	—	—	—	—	—	1.00	/	/
2	SPT	1.00	1.45	/	1	1	2	1	3	3	9	/	/	/	/	/
3	92	1.00	2.00	78	—	—	—	—	—	—	—	—	—	1.00	/	/
4	SPT	2.00	2.45	/	4	4	5	4	5	4	18	/	/	/	/	/
5	92	2.00	3.00	78	—	—	—	—	—	—	—	—	—	1.00	/	/
6	SPT	3.00	3.45	/	3	3	4	4	4	4	16	/	/	/	/	/
7	81	3.00	4.00	67	—	—	—	—	—	—	—	—	—	1.00	/	/
8	SPT	4.00	4.45	/	4	4	4	4	3	3	14	/	/	/	/	/
9	81	4.00	5.00	67	—	—	—	—	—	—	—	—	—	1.00	/	/
10	SPT	5.00	5.45	/	2	3	4	5	4	4	17	/	/	/	/	/
Clean out	92	2.00	5.00	78	—	—	—	—	—	—	—	—	—	/	/	/

Installation Details



EQUIPMENT & FLUSH DETAILS

SPT Hammer Ref:	—		
Barrel Type:	101mm, 92 mm, 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
Rig set up	10 mins	Hours	
Service pit	N/A	Hours	
Casing reduced from	/ mm to / mm at / m / Hours		
Casing reduced from	/ mm to / mm at / m / Hours		

From	To	Standing Time/Dayworks Record

Slow Drilling From (m) to (m)	Time (mins)	Notes

Water Strikes Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)	63		
Plain	1.00	Screen	4.00
Well materials		Gravel	Bento
No. bags		1	2

Other materials used (e.g. geosock, PPE etc.): gas bung, end cap, tophat cover

Welltag

Sample quantities SPT/CPT	U	UT	D	B	W
5	/	/	/	/	/

Rig Type	Competitor	Time on site	0800
Name	Dart	Time off site	17 00

Lead driller name	J. Taylor	Site engineer name	

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Rotary Drilling Log

Rig Crew (Initials)	JT	MP		Borehole Reference	WS06				
Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY				Sheet	1	of	1	Weather	
Job Ref.	J2874	Site Location	Dover	Client	Wardell Armstrong	Day	Wed	Date	10/1/24

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
1	101	0.00	1.00	87	—									1.00	/	/
2	SPT	1.00	1.45	/	1	2	1	1	2	3	7	/	/	/	/	/
3	92	1.00	2.00	78	—									1.00	/	/
4	SPT	2.00	2.45	/	1	2	5	5	5	5	20	/	/	/	/	/
5	92	2.00	3.00	78	—									1.00	/	/
6	SPT	3.00	3.45	/	2	3	6	5	5	6	22	/	/	/	/	/
7	81	3.00	4.00	67	—									1.00	/	/
8	SPT	4.00	4.45	/	4	4	5	4	4	4	17	/	/	/	/	/
9	81	4.00	5.00	67	—									1.00	/	/
10	SPT	5.00	5.45	/	3	4	6	6	7	6	25	/	/	/	/	/
Clean out	92	2.00	5.00	78	—									/	/	/

Borehole Diameter(s)

Installation Details

BH cont.	XTN	Casing (depth m)	—	BH complete (depth m)	5.45

EQUIPMENT & FLUSH DETAILS		SPT Hammer Ref:	—
Barrel Type:	101 mm 92 mm 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
Rig set up	10 mins		Hours
Service pit	N/A		Hours
Casing reduced from	/ mm to /	mm at /	m / Hours
Casing reduced from	/ mm to /	mm at /	m / Hours

From	To	Standing Time/Dayworks Record

Rig Type	Competitor	Time on site	0800
Name	Dart	Time off site	17 00

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)			63
Plain	1.00	Screen	4.00
Well materials		Gravel	Bento
No. bags		1	2

Other materials used (e.g. geosock, PPE etc.)
gas burg
end cap
tophat cover

Welltag

Sample quantities

SPT/CPT	U	UT	D	B	W
5	/	/	/	/	/

Lead driller name	J. Taylor	Site engineer name	

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Rotary Drilling Log

Rig Crew (Initials)	JT	MP		Borehole Reference	WS07				
Geotron UK Ltd, Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY				Sheet	1	of	1	Weather	
Job Ref.	~~J2874~~	Site Location	Dover	Client	Wardell Armstrong	Day	Wed	Date	10/1/24

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
1	101	0.00	1.00	87	—									1.00	✓	✓
2	SPT	1.00	1.45	✓	1	1	1	2	1	2	6	✓	✓	✓	✓	✓
3	92	1.00	2.00	78	—									1.00	✓	✓
4	SPT	2.00	2.45	✓	2	2	3	4	6	6	19	✓	✓	✓	✓	✓
5	92	2.00	3.00	78	—									1.00	✓	✓
6	SPT	3.00	3.45	✓	3	3	4	4	5	4	17	✓	✓	✓	✓	✓
7	81	3.00	4.00	67	—									1.00	✓	✓
8	SPT	4.00	4.45	✓	1	1	2	3	3	4	12	✓	✓	✓	✓	✓
9	81	4.00	5.00	67	—									1.00	✓	✓
10	SPT	5.00	5.45	✓	4	4	3	4	4	4	15	✓	✓	✓	✓	✓
clean out	92	2.00	5.00	78	—									✓	✓	✓

Borehole Diameter(s)

Installation Details

BH cont.	~~YTN~~	Casing (depth m)	—	BH complete (depth m)	5.45

EQUIPMENT & FLUSH DETAILS		SPT Hammer Ref:	—
Barrel Type:	101 mm 92 mm 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
Rig set up	10 mins		Hours
Service pit	N/A		Hours
Casing reduced from	/ mm to / mm at / m		Hours
Casing reduced from	/ mm to / mm at / m		Hours

From	To	Standing Time/Dayworks Record

Rig Type	Competitor	Time on site	0800
Name	Dart	Time off site	17 00

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)			63
Plain	1.00	Screen	4.00
Well materials		Gravel	Bento
No. bags		1	2

Other materials used (e.g. geosock, PPE etc.)
gas bung
end cap
tophat cover

Welltag

Sample quantities						
SPT/CPT	U	UT	D	B	W	
5	✓	✓	✓	✓	✓	

Lead driller name	J. Taylor	Site engineer name	

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Rotary Drilling Log

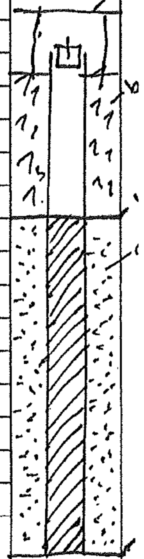
Rig Crew (Initials)	JT	MP		Borehole Reference	WS08
Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY	Sheet 1	of 1		Weather	

Job Ref.	J2874	Site Location	Dover	Client	Wardell Armstrong	Day	Wed	Date	10/1/24	Borehole Diameter(s)

Depth (mbgl)	Strata Description
0.00	Dark brown clayey TOPSOIL
0.50	Greyish white weathered chalky CLAY. with occasional flints.

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	75-150	150-225	225-300	300-375	375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	SPT	1.00	1.45	/	1	2	2	2	2	3	9	/	/	/	/	/
2	92	1.00	2.00	78	—	—	—	—	—	—	—	—	—	1.00	/	/
3	SPT	2.00	2.45	/	3	4	3	3	4	6	16	/	/	/	/	/
4	92	2.00	3.00	78	—	—	—	—	—	—	—	—	—	1.00	/	/
5	SPT	3.00	3.45	/	2	3	3	3	4	5	15	/	/	/	/	/
6	81	3.00	4.00	67	—	—	—	—	—	—	—	—	—	1.00	/	/
7	SPT	4.00	4.45	/	2	7	5	3	4	5	17	/	/	/	/	/
8	81	4.00	5.00	67	—	—	—	—	—	—	—	—	—	1.00	/	/
9	SPT	5.00	5.45	/	4	5	5	4	5	4	18	/	/	/	/	/
Clean out	92	2.00	5.00	78	—	—	—	—	—	—	—	—	—	/	/	/

Installation Details



BH cont.	Y/N	Casing (depth m)	—	BH complete (depth m)	5.45

EQUIPMENT & FLUSH DETAILS

SPT Hammer Ref:	—		
Barrel Type:	101mm 92 mm 81 mm	Bit Type:	—
Flush Type:	—	Casing Diameter(s):	—
Rig set up	10 mins	Hours	
Service pit	30mins	Hours	
Casing reduced from	/ mm to / mm at / m / Hours		
Casing reduced from	/ mm to / mm at / m / Hours		

From	To	Standing Time/Dayworks Record

Rig Type	Competitor	Time on site	0800
Name	Dart	Time off site	17 00

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)	63	
Plain 1.00	Screen 4.00	
Well materials	Gravel	Bento
No. bags	1	2

Other materials used (e.g. geosock, PPE etc.)
gas bung
end cap
tophat cover

Welltag

Sample quantities					
SPT/CPT	U	UT	D	B	W
5	/	/	/	/	/

Lead driller name	J. Taylor	Site engineer name	

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Rotary Drilling Log

Rig Crew (Initials): JB DS

Borehole Reference: BH 1

Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY

Sheet: of

Weather:

Job Ref.:

Site Location: Deal

Client: Waldell Armstrong

Day: wed/thu

Date: 10-11/1/24

Borehole Diameter(s):

Depth (mbgl)	Strata Description
0-0.4m	Topsoil
0.4-0.65	soil/chalk mix
	Chalk with loads of flint cobbles/boulders
30m	

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)

Installation Details

14.4

15m

Gravel

BH cont.: Y / N | Casing (depth m): 4.5m | BH complete (depth m): 30m

EQUIPMENT & FLUSH DETAILS

SPT Hammer Ref:	—		
Barrel Type:	—	Bit Type:	PDC
Flush Type:	water	Casing Diameter(s):	V/E 146

Rig set up: Hours

Service pit: Hours

Casing reduced from mm to mm at m Hours

Casing reduced from mm to mm at m Hours

From	To	Standing Time/Dayworks Record

Rig Type: rotary | Time on site:

Name: comacchio 305 | Time off site:

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm): 63

Plain: 15m | Screen: 15m

Well materials: Gravel: 14 | Bento: 16

No. bags

Other materials used (e.g. geosock, PPE etc.): High top cover with padlock

Sample quantities

SPT/CPT	U	UT	D	B	W

Lead driller name: J Bradley

Site engineer name:

Welltag

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Rotary Drilling Log

Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY

Rig Crew (Initials): JB DS | Borehole Reference: BH2 | Sheet: | of: | Weather:

Job Ref.: J2874 | Site Location: Deal | Client: Wardell Armstrong | Day: Tues | Date: 16-1-24

Depth (mbgl)	Strata Description
0-	0.6m Soil/Chalk mix
	Chalk with flint cobbles/boulder
31.5m	

Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)

Installation Details

Welltag

BH cont.: Y / N | Casing (depth m): 6m | BH complete (depth m): 31.5m

EQUIPMENT & FLUSH DETAILS

SPT Hammer Ref:	N/A		
Barrel Type:	N/A	Bit Type:	PDC
Flush Type:	Water	Casing Diameter(s):	VE 146

Rig set up: Hours

Service pit: Hours

Casing reduced from 8" mm to 146 mm at 1 m Hours

Casing reduced from mm to mm at m Hours

From	To	Standing Time/Dayworks Record

Rig Type: Rotary | Time on site:

Name: Comacchio 305-2 | Time off site:

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm): 63mm

Plain: 16.7m | Screen: 15m

Well materials: Gravel: 14 | Bento: 17

No. bags

Other materials used (e.g. geosock, PPE etc.): High tor cover with Locd

31.5m

Sample quantities

SPT/CPT	U	UT	D	B	W

Lead driller name: Tom Bradley

Site engineer name:

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

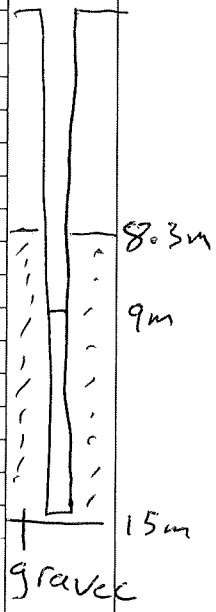
Rotary Drilling Log

Rig Crew (Initials)	JB DS		Borehole Reference	BH3			
Geotron UK Ltd. Unit E201B, Warmco Ind. Park, Manchester Road, Mossley, OL5 9AY			Sheet		of	Weather	
Job Ref.		Site Location	Deal	Client	Mardell Armstrong	Day	Tue/Wed
						Date	9-10/1/24

Borehole Diameter(s)

Depth (mbgl)	Strata Description	Test no.	Test type	From (m)	To (m)	Core Diam. (mm)	SPT 0-75	SPT 75-150	SPT 150-225	SPT 225-300	SPT 300-375	SPT 375-450	N Value KPA	Flush Return %	Flush Colour	Recovery %	Casing Depth (m)	Water Level (m)
0-0.6m	Topsoil																	
0.6-1.2	Soil/chalk mix																	
	Chalk Very little flint																	
15m																		

Installation Details



BH cont.	Y / N	Casing (depth m)	3m	BH complete (depth m)	15m

EQUIPMENT & FLUSH DETAILS		SPT Hammer Ref:	—
Barrel Type:	—	Bit Type:	PDC
Flush Type:	water	Casing Diameter(s):	✓E146
Rig set up			Hours
Service pit			Hours
Casing reduced from	mm to	mm at	m Hours
Casing reduced from	mm to	mm at	m Hours

From	To	Standing Time/Dayworks Record

Rig Type	Rotary	Time on site	
Name	Comacchio 305	Time off site	

Slow Drilling

From (m) to (m)	Time (mins)	Notes

Water Strikes

Time	Depth (m)	Rising to (m) after (mins) 5	10	15	20	Total (m)

Well diameter (mm)		63
Plain	9m	Screen 6m
Well materials	Gravel	Bento
No. bags	4	7

Other materials used (e.g. geosock, PPE etc.)

High top cover with padlock

Welltag

Sample quantities

SPT/CPT	U	UT	D	B	W

Lead driller name	John Bradley	Site engineer name	

The above are driller's site descriptions and factual data only and are subject to amendment after checking by or under supervision of an engineer or geologist

Appendix F

Soakaway Testing Results

INFILTRATION TEST

Depth(m)	1.80
Depth of Water(m)	0.50
Length(m)	2.00
Width(m)	0.45
Porosity	0.30
Vt(p75-25)(m^3)	0.585
V(p75-25)(m^3)	0.176
A(p50)(m^2)	4.09
H(v75)(m)	0.83
H(v25)(m)	1.48
t1(s)	25760
t2(s)	0
t3(s)	0
$f_{1(m/s)}$	1.668E-06
$f_{2(m/s)}$	#DIV/0!
$f_{3(m/s)}$	#DIV/0!
$f_{Average(m/s)}$	#DIV/0!

Location: SW03

Notes:
The Depth of water is from t
level.
Porosity is the void ratio wit
any granular fill.

Test 1		Test 2		Tes
Time(mins)	Depth to water(mbgl)	Time(mins)	Depth to water(mbgl)	Time(mins)
0	0.50	0	0.50	0
1	0.51			
2	0.51			
3	0.51			
4	0.52			
5	0.53			
6	0.54			
7	0.54			
8	0.54			
9	0.54			
10	0.55			
12	0.55			
14	0.56			
16	0.57			
18	0.57			
20	0.58			
30	0.59			

40	0.60			
50	0.61			
60	0.65			
90	0.68			
180	0.72			
210	0.75			
230	0.75			

Soil Infiltration Rate

1- $f = \frac{V_{(p75-25)}}{a_{(p50)} \times t_{(p75-25)}}$

V (p75-25) = Volume of the hole fr

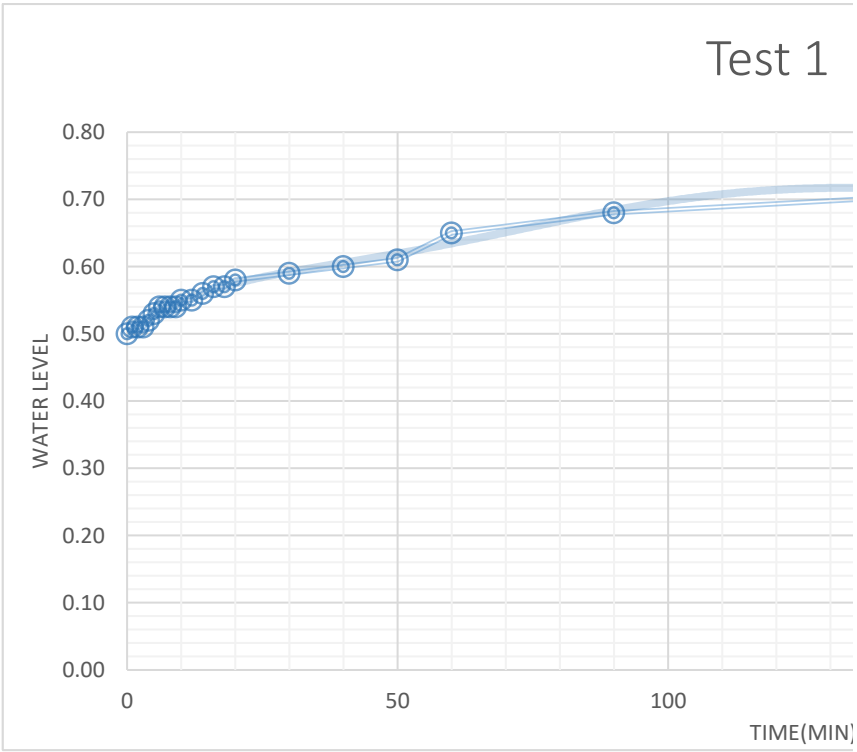
a (p50) = Internal surface area of

t (p75-25) = The time for the hole t

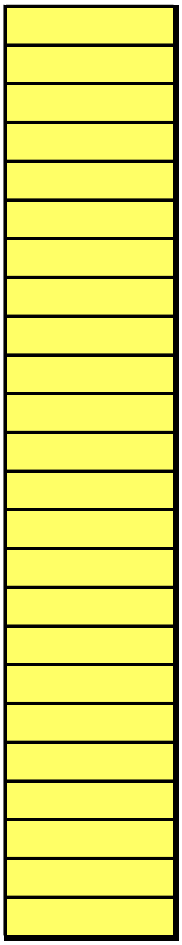
he Ground level to water

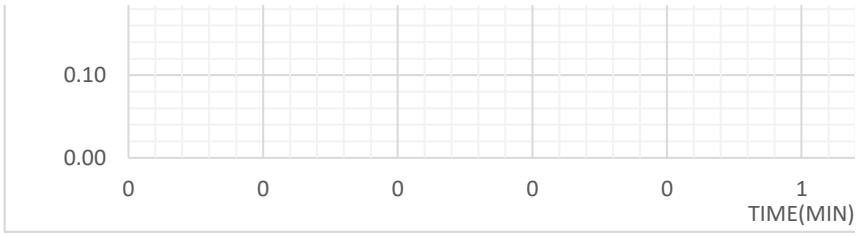
2-

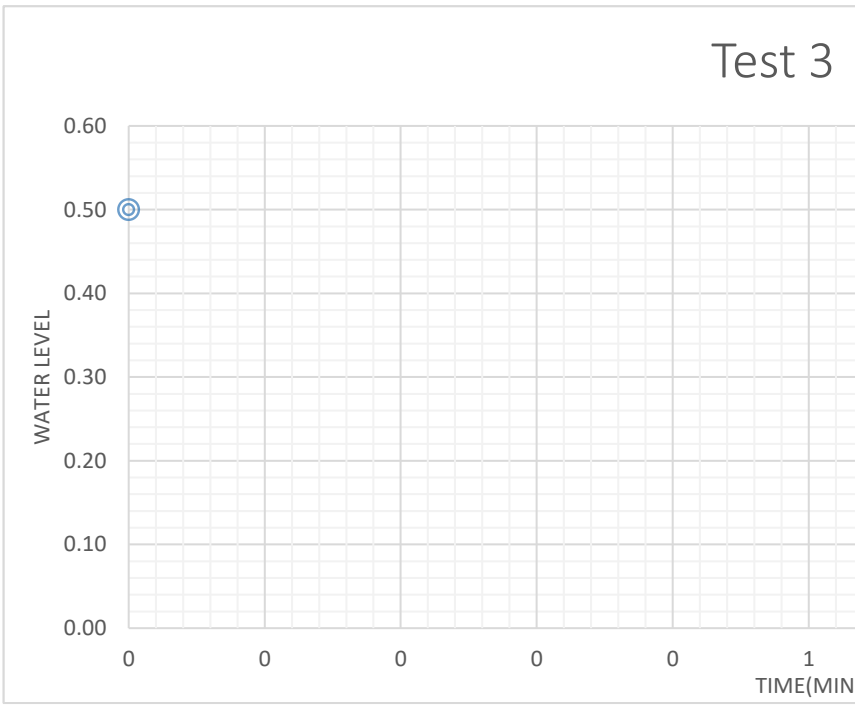
hin the trial pit considering



t 3
Depth to water(mbgl)
0.50



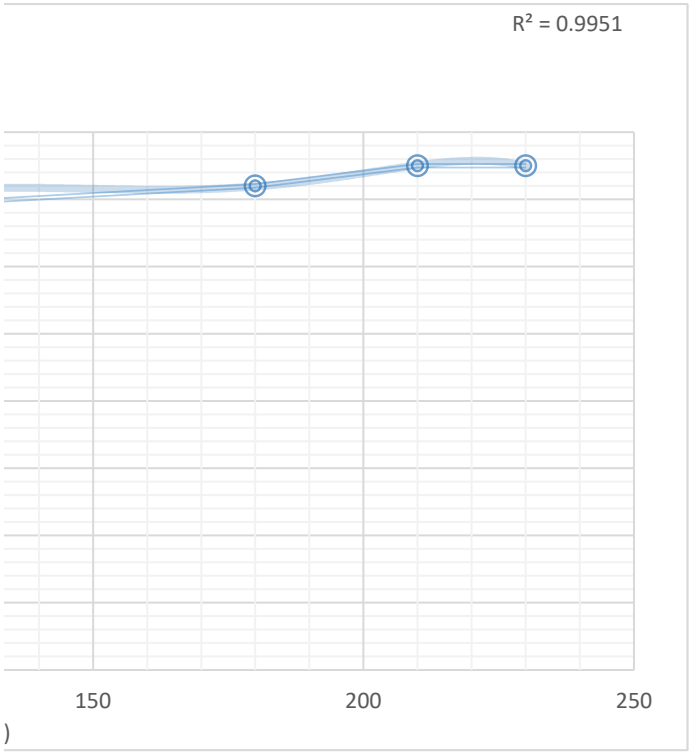

0.10
0.00
0 0 0 0 0 1
TIME(MIN)


Test 3
0.60
0.50
0.40
0.30
0.20
0.10
0.00
WATER LEVEL
0 0 0 0 0 1
TIME(MIN

om 25% to 75% depth

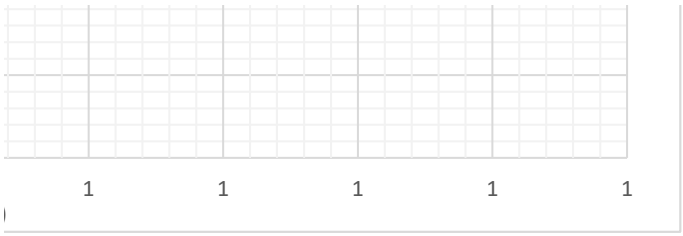
the hole up to 50% of the depth and including the base area

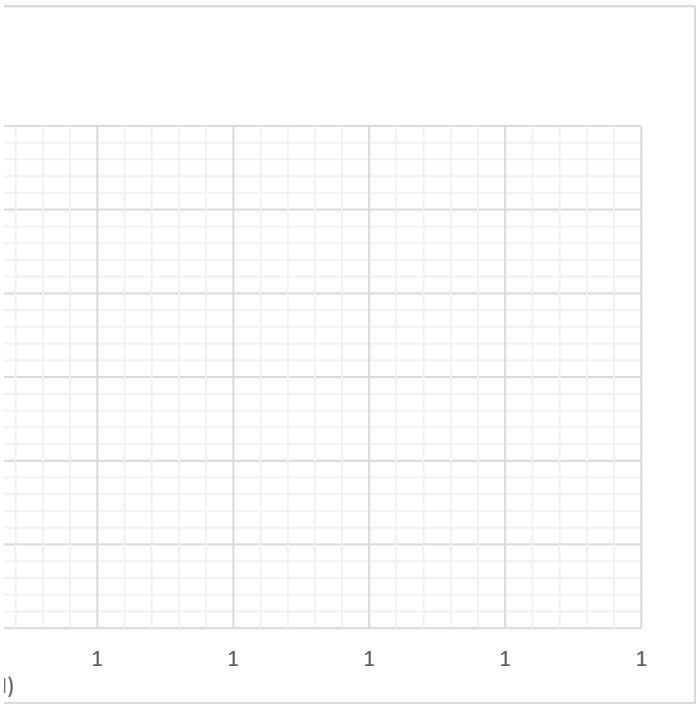
:o drain from 75% to 25% full in seconds



Water level
0.83
24.00

Water level
0.83
1.00





Water level
0.83
1.00

t(m)	Water level	t(m)
23.00	1.48	452.33
	24.00	

t(m)	Water level	t(m)
0.00	1.48	0.00
	1.00	

t(m)	Water level	t(m)
0.00	1.48	0.00
	1.00	

INFILTRATION TEST

Depth(m)	1.80
Depth of Water(m)	0.50
Length(m)	1.00
Width(m)	0.45
Porosity	0.30
Vt(p75-25)(m^3)	0.293
V(p75-25)(m^3)	0.088
A(p50)(m^2)	2.34
H(v75)(m)	0.83
H(v25)(m)	1.48
t1(s)	29490
t2(s)	0
t3(s)	0
$f_{1(m/s)}$	1.274E-06
$f_{2(m/s)}$	#DIV/0!
$f_{3(m/s)}$	#DIV/0!
$f_{Average(m/s)}$	#DIV/0!

Location: SW04

Notes:
1-The Depth of water is from
level.
Porosity is the void ratio wit
any granular fill.

Test 1		Test 2		Tes
Time(mins)	Depth to water(mbgl)	Time(mins)	Depth to water(mbgl)	Time(mins)
0	0.50	0	0.50	0
1	0.50			
2	0.50			
3	0.51			
4	0.51			
5	0.51			
6	0.51			
7	0.52			
8	0.52			
9	0.52			
10	0.52			
12	0.52			
14	0.53			
16	0.54			
18	0.55			
20	0.55			
25	0.55			

30	0.55			
40	0.55			
50	0.55			
60	0.57			
70	0.59			
80	0.60			
90	0.67			
180	0.71			
210	0.71			
240	0.71			
260	0.73			

Soil Infiltration Rate

$$f = \frac{V_{(p75-25)}}{a_{(p50)} \times t_{(p75-25)}}$$

V (p75-25) = Volume of the hole fr

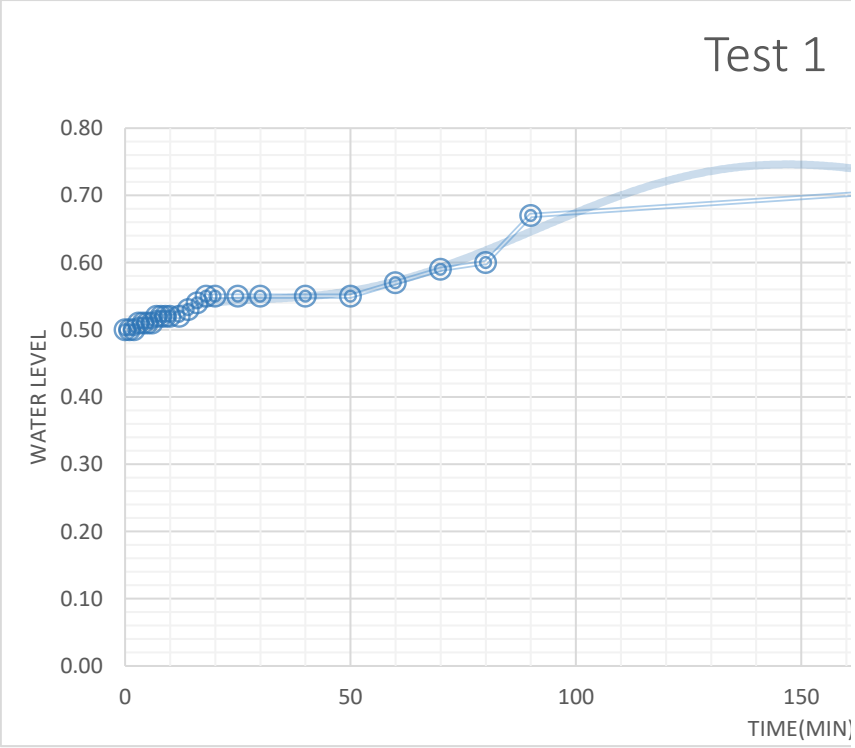
a (p50) = Internal surface area of

t (p75-25) = The time for the hole t

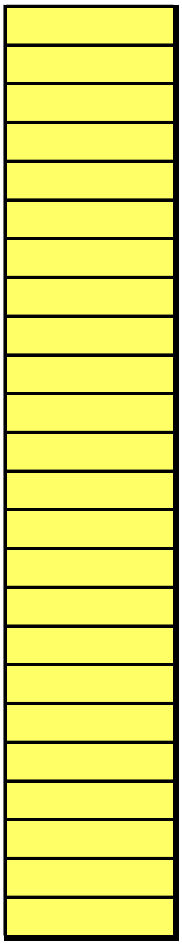
ı the Ground level to water

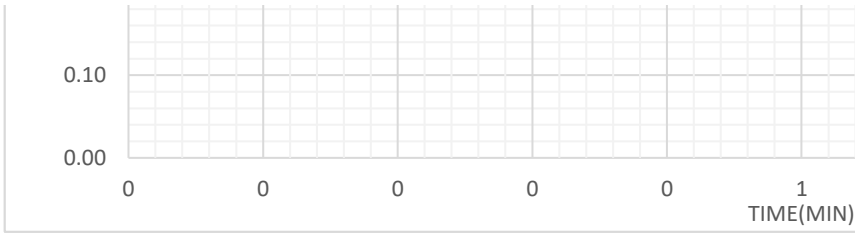
2-

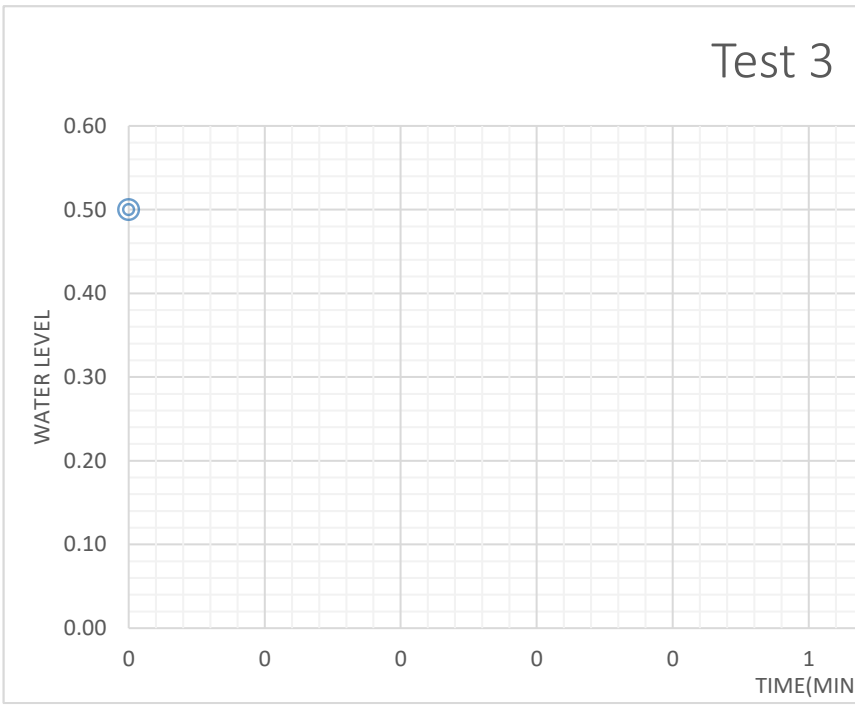
hin the trial pit considering



ɪt 3
Depth to water(mbgl)
0.50



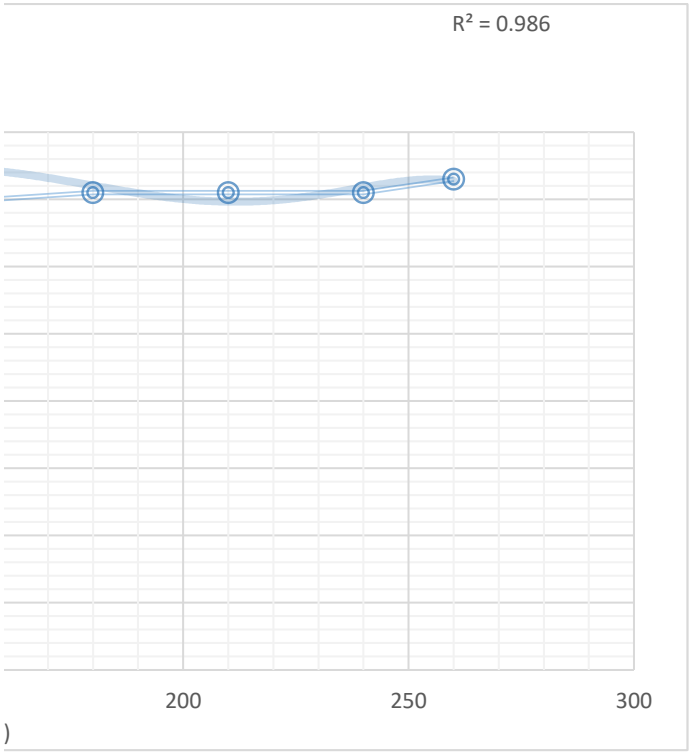

0.10
0.00
0 0 0 0 0 1
TIME(MIN)


Test 3
0.60
0.50
0.40
0.30
0.20
0.10
0.00
WATER LEVEL
0 0 0 0 0 1
TIME(MIN

om 25% to 75% depth

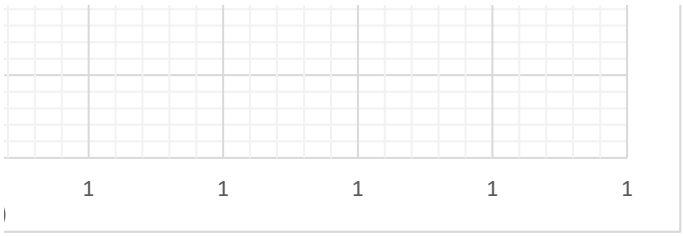
the hole up to 50% of the depth and including the base area

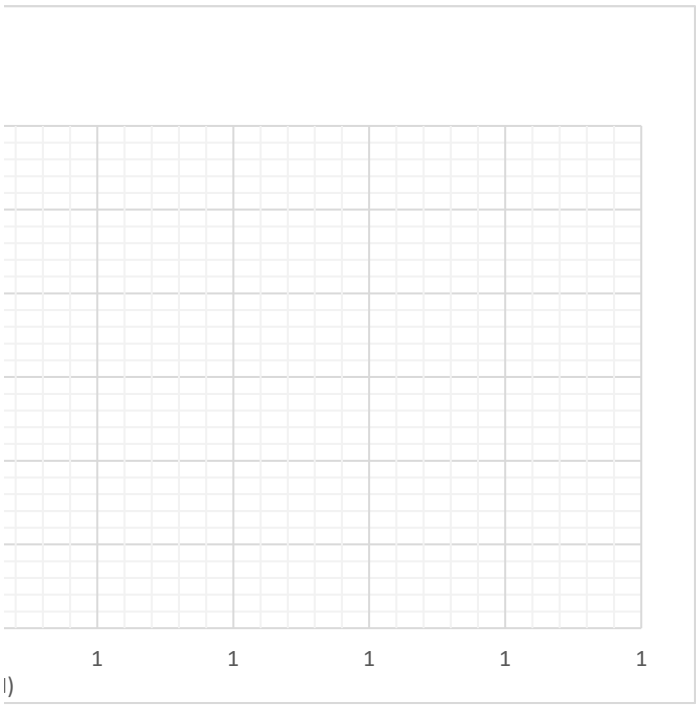
o drain from 75% to 25% full in seconds



Water level
0.83
28.00

Water level
0.83
1.00





Water level
0.83
1.00

t(m)	Water level	t(m)
33.84	1.48	525.34
	28.00	

t(m)	Water level	t(m)
0.00	1.48	0.00
	1.00	

t(m)	Water level	t(m)
0.00	1.48	0.00
	1.00	

Appendix G

Hixtra CBR Testing Results

Hixtra Ltd
Unit 103, Caxton Court
Garamonde Drive
Milton Keynes
MK8 8DD

Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 11052-1
Report Date: 15/01/2024
Client: Geotron UK Ltd
Address: Unit E201B, Warmco Industry Park,
Eastgate
Mossley
OL5 9AY
Site: Station Road, Walmer, Deal, CT14 9JN

Test Details

Test Location: CBR 01
Description: Chalky Brown Clay
Material Class: Formation
Layer: 0.3 BGL
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

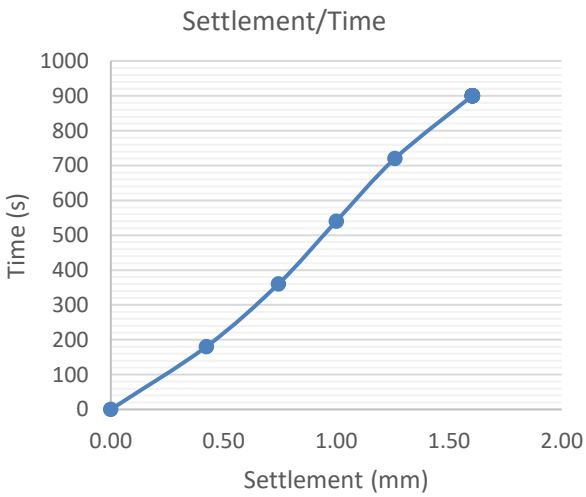
Date of Test: 15/01/2024
Reaction Load: 8 Tonne Excavator
Weather: Dry
Plate Diameter (mm): 300

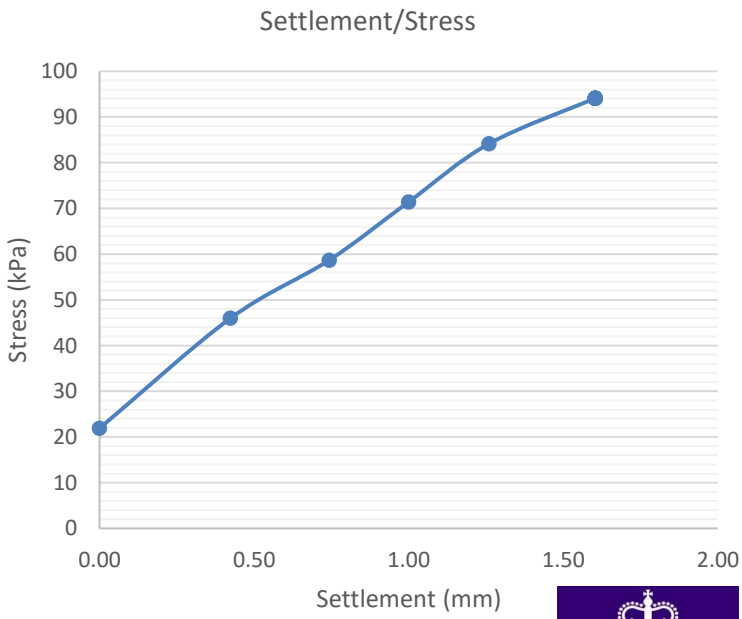
Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	22
180	0.42	46
360	0.74	59
540	1.00	71
720	1.26	84
900	1.60	94

Maximum Applied Stress (kPa):	94
Maximum Settlement (mm):	1.60
Equivalent CBR Value (%):	3
Modulus of Subgrade Reaction, k_{762} ($MN/m^2/m$):	30

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)





For and on behalf of Hixtra Ltd

Kevin Shorthouse
Authorised signatory

UKAS TESTING
8996

Hixtra Ltd
Unit 103, Caxton Court
Garamonde Drive
Milton Keynes
MK8 8DD

Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 11052-2
Report Date: 15/01/2024
Client: Geotron UK Ltd
Address: Unit E201B, Warmco Industry Park, Eastgate, Mossley, OL5 9AY
Site: Station Road, Walmer, Deal, CT14 9JN

Test Details

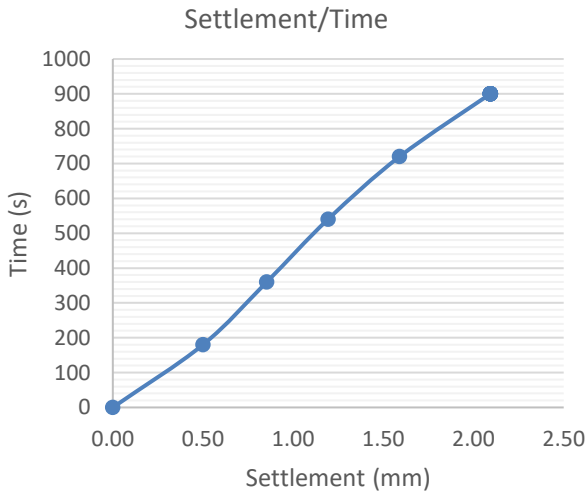
Test Location: CBR 02
Date of Test: 15/01/2024
Description: Chalky Brown Clay
Reaction Load: 8 Tonne Excavator
Material Class: Formation
Weather: Dry
Layer: 0.3 BGL
Plate Diameter (mm): 300
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

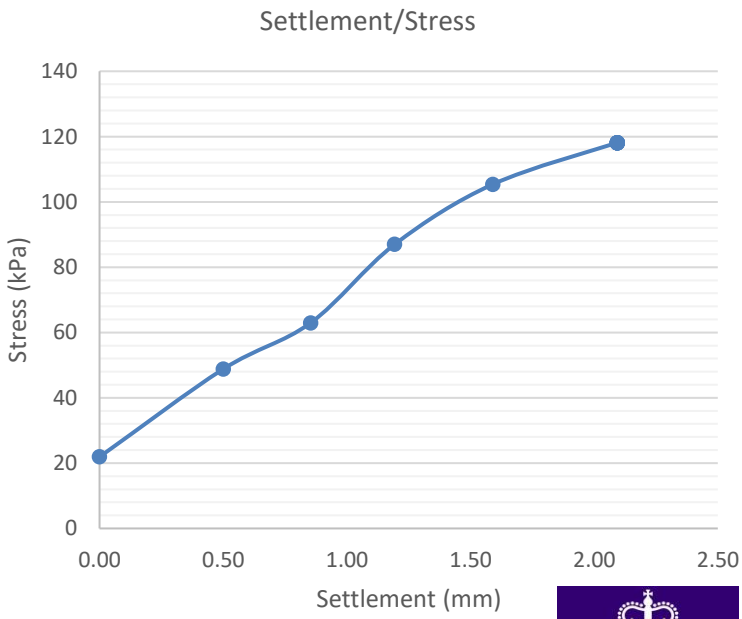
Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	22
180	0.50	49
360	0.85	63
540	1.19	87
720	1.59	105
900	2.09	118

Maximum Applied Stress (kPa):	118
Maximum Settlement (mm):	2.09
Equivalent CBR Value (%):	4
Modulus of Subgrade Reaction, k_{762} ($MN/m^2/m$):	32

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)





For and on behalf of Hixtra Ltd

Kevin Shorthouse
Authorised signatory

UKAS TESTING
8996

Hixtra Ltd
Unit 103, Caxton Court
Garamonde Drive
Milton Keynes
MK8 8DD

Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 11052-3
Report Date: 15/01/2024
Client: Geotron UK Ltd
Address: Unit E201B, Warmco Industry Park,
Eastgate
Mossley
OL5 9AY
Site: Station Road, Walmer, Deal, CT14 9JN

Test Details

Test Location: CBR 03
Description: Chalky Brown Clay
Material Class: Formation
Layer: 0.3 BGL
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

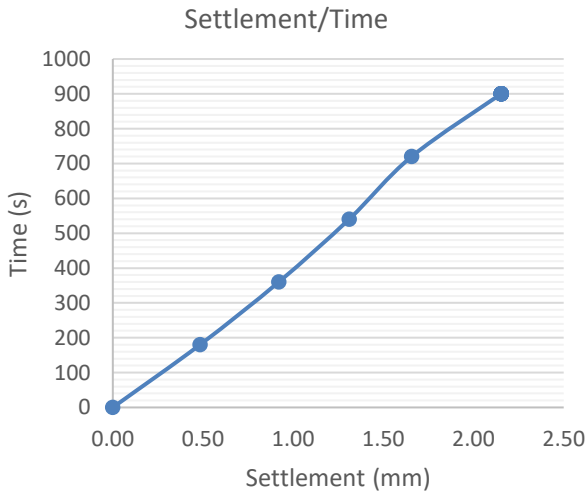
Date of Test: 15/01/2024
Reaction Load: 8 Tonne Excavator
Weather: Dry
Plate Diameter (mm): 300

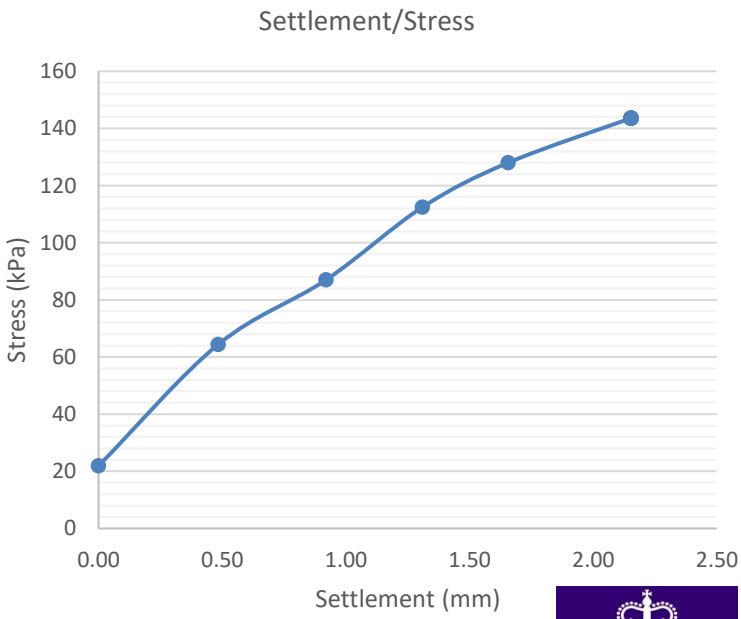
Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	22
180	0.48	64
360	0.92	87
540	1.31	112
720	1.66	128
900	2.15	144

Maximum Applied Stress (kPa):	144
Maximum Settlement (mm):	2.15
Equivalent CBR Value (%):	5
Modulus of Subgrade Reaction, k_{762} ($MN/m^2/m$):	38

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)





For and on behalf of Hixtra Ltd

Kevin Shorthouse
Authorised signatory

UKAS TESTING
8996

Hixtra Ltd
Unit 103, Caxton Court
Garamonde Drive
Milton Keynes
MK8 8DD

Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 11052-4
Report Date: 15/01/2024
Client: Geotron UK Ltd
Address: Unit E201B, Warmco Industry Park,
Eastgate
Mossley
OL5 9AY
Site: Station Road, Walmer, Deal, CT14 9JN

Test Details

Test Location: CBR 04
Description: Chalky Brown Clay
Material Class: Formation
Layer: 0.3 BGL
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

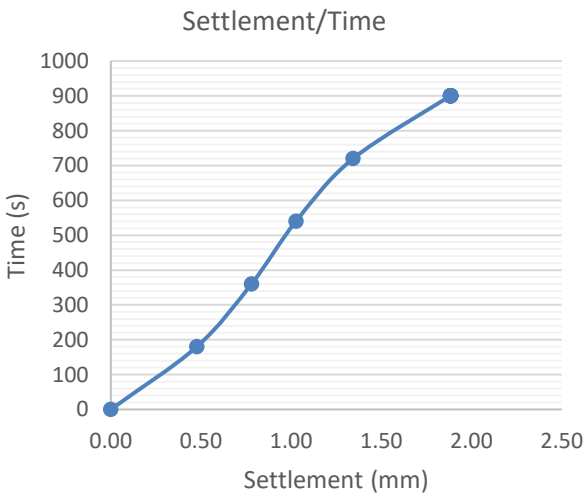
Date of Test: 15/01/2024
Reaction Load: 8 Tonne Excavator
Weather: Dry
Plate Diameter (mm): 300

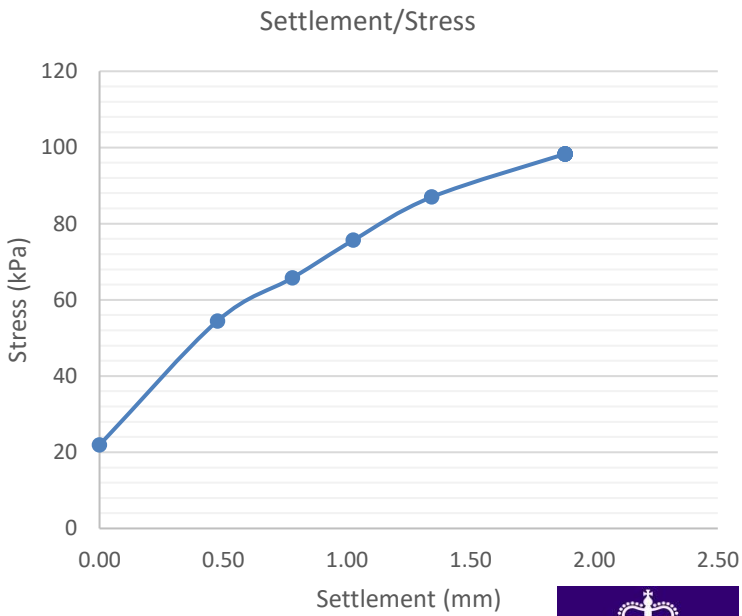
Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	22
180	0.48	54
360	0.78	66
540	1.03	76
720	1.34	87
900	1.88	98

Maximum Applied Stress (kPa):	98
Maximum Settlement (mm):	1.88
Equivalent CBR Value (%):	3
Modulus of Subgrade Reaction, k_{762} ($MN/m^2/m$):	30

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)





For and on behalf of Hixtra Ltd

Kevin Shorthouse
Authorised signatory

UKAS TESTING
8996

Hixtra Ltd
Unit 103, Caxton Court
Garamonde Drive
Milton Keynes
MK8 8DD

Certificate for the Determination of the Vertical Deformation and Strength Characteristics of Soil by the Incremental Plate Loading Test to BS 1377: Part 9: 1990

Report No: 11052-5
Report Date: 15/01/2024
Client: Geotron UK Ltd
Address: Unit E201B, Warmco Industry Park,
Eastgate
Mossley
OL5 9AY
Site: Station Road, Walmer, Deal, CT14 9JN

Test Details

Test Location: CBR 05
Description: Chalky Brown Clay
Material Class: Formation
Layer: 0.3 BGL
Condition: The results apply only to the location tested and the material was tested in an 'as found' condition

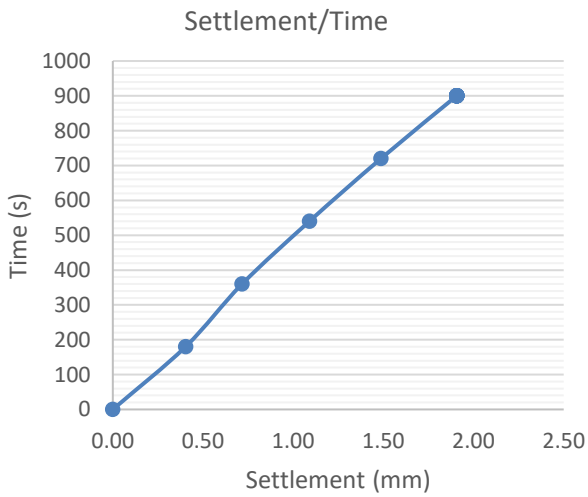
Date of Test: 15/01/2024
Reaction Load: 8 Tonne Excavator
Weather: Dry
Plate Diameter (mm): 300

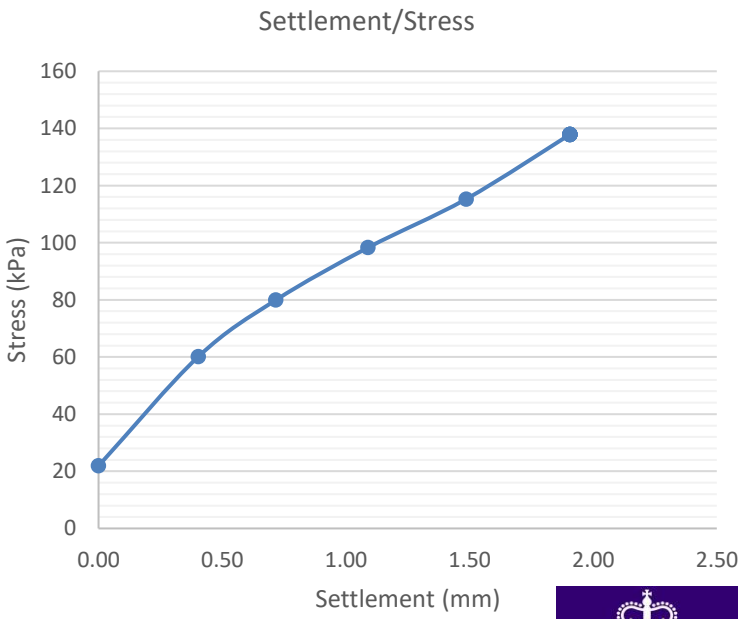
Test Results

Time, s	Settlement, mm	Plate Stress, kPa
0	0.00	22
180	0.40	60
360	0.72	80
540	1.09	98
720	1.49	115
900	1.91	138

Maximum Applied Stress (kPa):	138
Maximum Settlement (mm):	1.91
Equivalent CBR Value (%):	5
Modulus of Subgrade Reaction, k_{762} ($MN/m^2/m$):	37

Note: Supplemental test method, calculation of Nominal CBR Value and Modulus of Subgrade Reaction: IAN 73/06 revision 1 (2009), HD 25/94 (withdrawn)





For and on behalf of Hixtra Ltd

Kevin Shorthouse
Authorised signatory

UKAS TESTING
8996

Appendix H

Laboratory Geochemical Testing Results

envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 24/00382
Issue Number: 1 **Date:** 30 January, 2024

Client:
Wardell Armstrong (Bolton)
41-50 Futura Park
Aspinall Way
Middlebrook
Bolton
Lancashire
UK
BL6 6SU

Project Manager: Fay Lawrence/George Huck
Project Name: Deal, Kent
Project Ref: GM12741
Order No: GM5487
Date Samples Received: 11/01/24
Date Instructions Received: 16/01/24
Date Analysis Completed: 30/01/24

Approved by:

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 24/00382

Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/1	24/00382/2	24/00382/3	24/00382/4	24/00382/5	24/00382/6	24/00382/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP14	TP14	TP15	TP16	TP19	TP19	TP20			
Depth to Top	0.20	0.50	0.10	0.20	0.10	0.50	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3	4AE	4A	3A	4AE	4E	4AE			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	2.4	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.04	7.86	7.87	7.85	7.78	7.94	8.00	pH	0.01	A-T-031s
Sulphate (water sol 2:1)$_D$$^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	g/l	0.01	A-T-026s
Organic Matter$_D$$^{M\#}$	0.9	2.5	2.6	2.0	3.6	1.6	1.0	% w/w	0.1	A-T-032s
Total Organic Carbon$_D$$^{M\#}$	0.53	1.48	1.49	1.18	2.06	0.93	0.58	% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	1	3	3	2	3	2	<1	mg/kg	1	A-T-024s
Cadmium$_D$$^{M\#}$	0.5	0.6	0.7	0.6	0.6	<0.5	<0.5	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	8	16	16	11	15	12	7	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	18	22	22	19	21	22	22	mg/kg	1	A-T-024s
Lead$_D$$^{M\#}$	11	39	39	29	38	22	10	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	12	16	16	12	15	14	14	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	29	47	48	37	43	35	36	mg/kg	5	A-T-024s

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Client Project Name: Deal, Kent

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Lab Sample ID	24/00382/1	24/00382/2	24/00382/3	24/00382/4	24/00382/5	24/00382/6	24/00382/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP14	TP14	TP15	TP16	TP19	TP19	TP20			
Depth to Top	0.20	0.50	0.10	0.20	0.10	0.50	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3	4AE	4A	3A	4AE	4E	4AE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

Envirolab Job Number: 24/00382

Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/1	24/00382/2	24/00382/3	24/00382/4	24/00382/5	24/00382/6	24/00382/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP14	TP14	TP15	TP16	TP19	TP19	TP20			
Depth to Top	0.20	0.50	0.10	0.20	0.10	0.50	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3	4AE	4A	3A	4AE	4E	4AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.01	<0.01	<0.01	0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.04	<0.02	<0.02	0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.09	0.22	0.06	0.06	0.25	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.07	0.20	0.06	0.07	0.27	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.09	0.23	<0.05	0.06	0.26	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	0.09	<0.05	<0.05	0.20	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	0.10	<0.07	<0.07	0.11	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.10	0.27	<0.06	0.08	0.31	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.15	0.43	<0.08	0.11	0.40	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.04	0.11	0.05	0.06	0.24	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.05	0.17	<0.03	0.04	0.14	<0.03	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.12	0.35	<0.07	0.08	0.35	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A$	0.71	2.22	0.17	0.56	2.56	<0.08	<0.08	mg/kg	0.01	A-T-019s

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Lab Sample ID	24/00382/1	24/00382/2	24/00382/3	24/00382/4	24/00382/5	24/00382/6	24/00382/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP14	TP14	TP15	TP16	TP19	TP19	TP20			
Depth to Top	0.20	0.50	0.10	0.20	0.10	0.50	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3	4AE	4A	3A	4AE	4E	4AE			
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	-	-	-	<0.003	-	-	-	mg/kg	0.003	A-T-004s
PCB BZ $52_A^{M\#}$	-	-	-	<0.002	-	-	-	mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	-	-	-	<0.004	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	-	-	-	<0.007	-	-	-	mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	-	-	-	<0.006	-	-	-	mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	-	-	-	<0.004	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	-	-	-	<0.004	-	-	-	mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	-	-	-	<0.007	-	-	-	mg/kg	0.003	A-T-004s

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Lab Sample ID	24/00382/1	24/00382/2	24/00382/3	24/00382/4	24/00382/5	24/00382/6	24/00382/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP14	TP14	TP15	TP16	TP19	TP19	TP20			
Depth to Top	0.20	0.50	0.10	0.20	0.10	0.50	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3	4AE	4A	3A	4AE	4E	4AE			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	2	4	2	2	4	<1	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	2	4	2	2	4	<1	-	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	1	2	<1	1	2	<1	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	6	15	5	5	14	1	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	7	17	5	6	16	1	-	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	10	21	7	8	20	1	-	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s

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Lab Sample ID	24/00382/8	24/00382/9	24/00382/10	24/00382/11	24/00382/12	24/00382/13	24/00382/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP22	TP24	TP24	TP25	TP27	TP30	TP32			
Depth to Top	0.10	0.10	0.50	0.20	0.10	0.10	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	10-Jan-24	09-Jan-24	09-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4AE	4A	3A	3A	3A	4A	4A			
% Stones >10mm$_A$	3.9	<0.1	<0.1	<0.1	<0.1	<0.1	3.5	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.87	8.04	8.10	7.93	7.96	7.77	7.83	pH	0.01	A-T-031s
Sulphate (water sol 2:1)$_D$$^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	g/l	0.01	A-T-026s
Organic Matter$_D$$^{M\#}$	4.2	1.3	0.6	2.5	2.1	2.1	1.5	% w/w	0.1	A-T-032s
Total Organic Carbon$_D$$^{M\#}$	2.48	0.74	0.35	1.47	1.24	1.25	0.92	% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	3	<1	<1	2	2	2	<1	mg/kg	1	A-T-024s
Cadmium$_D$$^{M\#}$	0.6	0.5	<0.5	0.5	0.5	0.6	0.6	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	17	7	5	14	11	13	10	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	18	24	17	21	21	23	22	mg/kg	1	A-T-024s
Lead$_D$$^{M\#}$	51	10	6	33	25	29	12	mg/kg	1	A-T-024s
Mercury$_D$	0.29	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	12	16	11	14	12	15	15	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	46	38	23	41	37	43	41	mg/kg	5	A-T-024s

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Lab Sample ID	24/00382/8	24/00382/9	24/00382/10	24/00382/11	24/00382/12	24/00382/13	24/00382/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP22	TP24	TP24	TP25	TP27	TP30	TP32			
Depth to Top	0.10	0.10	0.50	0.20	0.10	0.10	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	10-Jan-24	09-Jan-24	09-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4AE	4A	3A	3A	3A	4A	4A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

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Lab Sample ID	24/00382/8	24/00382/9	24/00382/10	24/00382/11	24/00382/12	24/00382/13	24/00382/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP22	TP24	TP24	TP25	TP27	TP30	TP32			
Depth to Top	0.10	0.10	0.50	0.20	0.10	0.10	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	10-Jan-24	09-Jan-24	09-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4AE	4A	3A	3A	3A	4A	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.02	<0.01	<0.01	<0.01	0.01	0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.32	<0.04	<0.04	0.12	0.22	0.20	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.37	<0.04	<0.04	0.13	0.25	0.23	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.33	<0.05	<0.05	0.12	0.22	0.21	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.25	<0.05	<0.05	0.10	0.17	0.17	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.17	<0.07	<0.07	<0.07	0.10	0.09	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.39	<0.06	<0.06	0.16	0.27	0.23	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A$	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.50	<0.08	<0.08	0.22	0.33	0.31	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.29	<0.03	<0.03	0.12	0.20	0.20	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.15	<0.03	<0.03	0.09	0.10	0.11	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.44	<0.07	<0.07	0.20	0.30	0.26	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A$	3.33	<0.08	<0.08	1.26	2.17	2.02	<0.08	mg/kg	0.01	A-T-019s

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Lab Sample ID	24/00382/8	24/00382/9	24/00382/10	24/00382/11	24/00382/12	24/00382/13	24/00382/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP22	TP24	TP24	TP25	TP27	TP30	TP32			
Depth to Top	0.10	0.10	0.50	0.20	0.10	0.10	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	10-Jan-24	09-Jan-24	09-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4AE	4A	3A	3A	3A	4A	4A			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	-	0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	<1	<1	-	-	-	-	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	<1	<1	-	-	-	-	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	-	<1	<1	-	-	-	-	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 24/00382

Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/15	24/00382/16	24/00382/17	24/00382/18	24/00382/19	24/00382/20	24/00382/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP35	TP36	TP01	TP02	TP04	TP04	TP05			
Depth to Top	0.10	0.50	0.20	0.10	0.20	0.40	0.20			
Depth To Bottom										
Date Sampled	09-Jan-24	10-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	3A	4A	4A	3A	4A			
% Stones >10mm$_A$	<0.1	0.8	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.95	7.96	7.78	7.79	7.91	8.20	7.93	pH	0.01	A-T-031s
Sulphate (water sol 2:1)$_D$$^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	g/l	0.01	A-T-026s
Organic Matter$_D$$^{M\#}$	2.9	0.7	2.8	5.4	1.8	1.0	5.7	% w/w	0.1	A-T-032s
Total Organic Carbon$_D$$^{M\#}$	1.68	0.43	1.63	3.13	1.03	0.57	3.30	% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	3	2	2	3	1	<1	5	mg/kg	1	A-T-024s
Cadmium$_D$$^{M\#}$	<0.5	<0.5	0.6	0.6	0.6	<0.5	0.7	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	17	9	13	17	10	5	19	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	20	20	16	16	15	8	18	mg/kg	1	A-T-024s
Lead$_D$$^{M\#}$	43	13	45	65	19	12	135	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	15	14	11	11	10	6	14	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	44	31	41	47	34	21	53	mg/kg	5	A-T-024s

Envirolab Job Number: 24/00382

Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/15	24/00382/16	24/00382/17	24/00382/18	24/00382/19	24/00382/20	24/00382/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP35	TP36	TP01	TP02	TP04	TP04	TP05			
Depth to Top	0.10	0.50	0.20	0.10	0.20	0.40	0.20			
Depth To Bottom										
Date Sampled	09-Jan-24	10-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	3A	4A	4A	3A	4A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (visual)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_D$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

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Lab Sample ID	24/00382/15	24/00382/16	24/00382/17	24/00382/18	24/00382/19	24/00382/20	24/00382/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP35	TP36	TP01	TP02	TP04	TP04	TP05			
Depth to Top	0.10	0.50	0.20	0.10	0.20	0.40	0.20			
Depth To Bottom										
Date Sampled	09-Jan-24	10-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	3A	4A	4A	3A	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.01	0.02	<0.01	0.02	<0.01	<0.01	0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.02	<0.02	<0.02	0.04	<0.02	<0.02	0.04	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.34	0.17	0.11	0.31	0.11	0.12	0.27	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.37	0.24	0.14	0.37	0.12	0.12	0.32	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.34	0.23	0.12	0.35	0.11	0.09	0.30	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.28	0.24	0.11	0.29	0.09	0.06	0.24	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.13	0.10	<0.07	0.15	<0.07	<0.07	0.12	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.40	0.22	0.15	0.41	0.15	0.13	0.35	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A$	0.06	<0.04	<0.04	0.06	<0.04	<0.04	0.05	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.54	0.22	0.17	0.50	0.18	0.20	0.47	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.31	0.26	0.11	0.32	0.10	0.08	0.27	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.17	0.05	0.06	0.16	0.06	0.09	0.20	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.48	0.22	0.16	0.42	0.16	0.17	0.41	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A$	3.45	1.97	1.13	3.40	1.08	1.06	3.05	mg/kg	0.01	A-T-019s

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Lab Sample ID	24/00382/15	24/00382/16	24/00382/17	24/00382/18	24/00382/19	24/00382/20	24/00382/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP35	TP36	TP01	TP02	TP04	TP04	TP05			
Depth to Top	0.10	0.50	0.20	0.10	0.20	0.40	0.20			
Depth To Bottom										
Date Sampled	09-Jan-24	10-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	3A	4A	4A	3A	4A			
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	-	-	-	-	<0.003	<0.003	-	mg/kg	0.003	A-T-004s
PCB BZ $52_A^{M\#}$	-	-	-	-	<0.002	<0.002	-	mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	-	-	-	-	<0.004	<0.004	-	mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	-	-	-	-	<0.007	<0.007	-	mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	-	-	-	-	<0.006	<0.006	-	mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	-	-	-	-	<0.004	<0.004	-	mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	-	-	-	-	<0.004	<0.004	-	mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	-	-	-	-	<0.007	<0.007	-	mg/kg	0.003	A-T-004s

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Lab Sample ID	24/00382/15	24/00382/16	24/00382/17	24/00382/18	24/00382/19	24/00382/20	24/00382/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP35	TP36	TP01	TP02	TP04	TP04	TP05			
Depth to Top	0.10	0.50	0.20	0.10	0.20	0.40	0.20			
Depth To Bottom										
Date Sampled	09-Jan-24	10-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	3A	4A	4A	3A	4A			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	-	-	-	1	1	4	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	-	-	1	1	4	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	-	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	-	-	<1	<1	4	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	-	-	2	4	17	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	-	-	2	4	21	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	-	-	-	-	4	5	25	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

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Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/22	24/00382/23	24/00382/24	24/00382/25	24/00382/26	24/00382/27	24/00382/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP06	TP08	TP08	TP10	TP10	TP11	TP12			
Depth to Top	0.50	0.10	0.50	0.20	0.50	0.20	0.10			
Depth To Bottom										
Date Sampled	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24			
Sample Type	SOLID	SOIL	SOLID	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	7	4A	7	4AE	4AE	4AE	4AE			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	0.6	<0.1	0.8	10.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.95^U	8.07	9.07^U	8.01	7.99	7.94	8.00	pH	0.01	A-T-031s
Sulphate (water sol 2:1)$_D$$^{M\#}$	<0.01^U	<0.01	<0.01^U	<0.01	<0.01	<0.01	<0.01	g/l	0.01	A-T-026s
Organic Matter$_D$$^{M\#}$	<0.1^U	1.8	0.7^U	3.3	2.1	2.3	3.5	% w/w	0.1	A-T-032s
Total Organic Carbon$_D$$^{M\#}$	0.05^U	1.05	0.42^U	1.88	1.20	1.33	2.05	% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	<1^U	2	<1^U	2	2	2	3	mg/kg	1	A-T-024s
Cadmium$_D$$^{M\#}$	<0.5^U	0.6	<0.5^U	0.6	0.6	<0.5	0.5	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	<1^U	9	<1^U	13	10	10	13	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	2^U	10	2^U	15	13	17	15	mg/kg	1	A-T-024s
Lead$_D$$^{M\#}$	<1^U	28	<1^U	40	26	19	37	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	2^U	7	1^U	10	9	13	11	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1^U	<1	<1^U	<1	<1	<1	<1	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	12^U	28	13^U	45	33	34	39	mg/kg	5	A-T-024s

Envirolab Job Number: 24/00382

Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/22	24/00382/23	24/00382/24	24/00382/25	24/00382/26	24/00382/27	24/00382/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP06	TP08	TP08	TP10	TP10	TP11	TP12			
Depth to Top	0.50	0.10	0.50	0.20	0.50	0.20	0.10			
Depth To Bottom										
Date Sampled	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24			
Sample Type	SOLID	SOIL	SOLID	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	7	4A	7	4AE	4AE	4AE	4AE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD^{U}	NAD	NAD^{U}	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

Envirolab Job Number: 24/00382

Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/22	24/00382/23	24/00382/24	24/00382/25	24/00382/26	24/00382/27	24/00382/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP06	TP08	TP08	TP10	TP10	TP11	TP12			
Depth to Top	0.50	0.10	0.50	0.20	0.50	0.20	0.10			
Depth To Bottom										
Date Sampled	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24			
Sample Type	SOLID	SOIL	SOLID	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	7	4A	7	4AE	4AE	4AE	4AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01^U	<0.01	<0.01^U	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01^U	0.01	<0.01^U	0.01	<0.01	<0.01	0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02^U	<0.02	<0.02^U	<0.02	<0.02	<0.02	0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04^U	0.18	<0.04^U	0.18	0.11	<0.04	0.20	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04^U	0.22	<0.04^U	0.23	0.10	<0.04	0.24	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05^U	0.19	<0.05^U	0.21	0.09	<0.05	0.22	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05^U	0.17	<0.05^U	0.17	<0.05	<0.05	0.19	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07^U	<0.07	<0.07^U	0.10	<0.07	<0.07	0.10	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06^U	0.24	<0.06^U	0.24	0.12	<0.06	0.26	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08^U	0.29	<0.08^U	0.27	0.23	<0.08	0.32	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01^U	<0.01	<0.01^U	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03^U	0.19	<0.03^U	0.20	0.06	<0.03	0.22	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03^U	<0.03	<0.03^U	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03^U	0.10	<0.03^U	0.12	0.16	<0.03	0.10	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07^U	0.25	<0.07^U	0.22	0.18	<0.07	0.29	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A$	<0.08^U	1.84	<0.08^U	1.95	1.05	<0.08	2.17	mg/kg	0.01	A-T-019s

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Client Project Name: Deal, Kent

Client Project Ref: GM12741

Lab Sample ID	24/00382/22	24/00382/23	24/00382/24	24/00382/25	24/00382/26	24/00382/27	24/00382/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP06	TP08	TP08	TP10	TP10	TP11	TP12			
Depth to Top	0.50	0.10	0.50	0.20	0.50	0.20	0.10			
Depth To Bottom										
Date Sampled	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24			
Sample Type	SOLID	SOIL	SOLID	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	7	4A	7	4AE	4AE	4AE	4AE			
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	-	<0.003	<0.003^U	<0.003	<0.003	-	-	mg/kg	0.003	A-T-004s
PCB BZ $52_A^{M\#}$	-	<0.002	<0.002^U	<0.002	<0.002	-	-	mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	-	<0.004	<0.004^U	<0.004	<0.004	-	-	mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	-	<0.007	<0.007^U	<0.007	<0.007	-	-	mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	-	<0.006	<0.006^U	<0.006	<0.006	-	-	mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	-	<0.004	<0.004^U	<0.004	<0.004	-	-	mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	-	<0.004	<0.004^U	<0.004	<0.004	-	-	mg/kg	0.004	A-T-004s
Total Speciated PCB-EC7$_A^{M\#}$	-	<0.007	<0.007^U	<0.007	<0.007	-	-	mg/kg	0.003	A-T-004s

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Lab Sample ID	24/00382/22	24/00382/23	24/00382/24	24/00382/25	24/00382/26	24/00382/27	24/00382/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP06	TP08	TP08	TP10	TP10	TP11	TP12			
Depth to Top	0.50	0.10	0.50	0.20	0.50	0.20	0.10			
Depth To Bottom										
Date Sampled	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24			
Sample Type	SOLID	SOIL	SOLID	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	7	4A	7	4AE	4AE	4AE	4AE			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	<1^U	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<1	<1^U	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	<1	<1^U	<1	<1	<1	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	3	<1^U	2	1	1	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	3	<1	2	1	1	-	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	1	<1^U	1	<1	<1	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	9	<1^U	9	2	2	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	10	<1	10	2	2	-	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	-	13	<1	12	4	4	-	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01^U	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-022s

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Lab Sample ID	24/00382/29	24/00382/30	24/00382/31	24/00382/57	24/00382/58	24/00382/59	24/00382/60	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP13	TP13	TP18	TP14	TP15	TP15	TP16			
Depth to Top	0.20	0.50	0.10	1.00	0.50	2.00	0.50			
Depth To Bottom										
Date Sampled	12-Jan-24	12-Jan-24	12-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	4A	3	3A	3	3A			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D^{M\#}$	7.93	8.02	8.00	8.75	8.37	8.95	8.22	pH	0.01	A-T-031s
Sulphate (water sol 2:1)$_D^{M\#}$	<0.01	<0.01	<0.01	-	-	-	-	g/l	0.01	A-T-026s
Organic Matter$_D^{M\#}$	3.6	2.0	4.1	-	-	-	-	% w/w	0.1	A-T-032s
Total Organic Carbon$_D^{M\#}$	2.07	1.14	2.38	-	-	-	-	% w/w	0.03	A-T-032s
Arsenic$_D^{M\#}$	2	<1	4	-	-	-	-	mg/kg	1	A-T-024s
Cadmium$_D^{M\#}$	0.7	0.7	0.7	-	-	-	-	mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	15	9	19	-	-	-	-	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	17	16	20	-	-	-	-	mg/kg	1	A-T-024s
Lead$_D^{M\#}$	42	14	53	-	-	-	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	<0.17	0.17	-	-	-	-	mg/kg	0.17	A-T-024s
Nickel$_D^{M\#}$	12	11	15	-	-	-	-	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	47	38	61	-	-	-	-	mg/kg	5	A-T-024s

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Client Project Ref: GM12741

Lab Sample ID	24/00382/29	24/00382/30	24/00382/31	24/00382/57	24/00382/58	24/00382/59	24/00382/60	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP13	TP13	TP18	TP14	TP15	TP15	TP16			
Depth to Top	0.20	0.50	0.10	1.00	0.50	2.00	0.50			
Depth To Bottom										
Date Sampled	12-Jan-24	12-Jan-24	12-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	4A	3	3A	3	3A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	-	-	-	-			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	-	-	-	-			A-T-045

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Lab Sample ID	24/00382/29	24/00382/30	24/00382/31	24/00382/57	24/00382/58	24/00382/59	24/00382/60	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP13	TP13	TP18	TP14	TP15	TP15	TP16			
Depth to Top	0.20	0.50	0.10	1.00	0.50	2.00	0.50			
Depth To Bottom										
Date Sampled	12-Jan-24	12-Jan-24	12-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	4A	3	3A	3	3A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.01	<0.01	0.01	-	-	-	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.04	<0.02	<0.02	-	-	-	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.30	<0.04	0.21	-	-	-	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.30	<0.04	0.23	-	-	-	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.30	<0.05	0.22	-	-	-	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.19	<0.05	0.16	-	-	-	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.14	<0.07	0.10	-	-	-	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.37	<0.06	0.27	-	-	-	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A$	<0.04	<0.04	<0.04	-	-	-	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.57	<0.08	0.34	-	-	-	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.22	<0.03	0.20	-	-	-	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	-	-	-	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.21	<0.03	0.11	-	-	-	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.49	<0.07	0.30	-	-	-	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A$	3.14	<0.08	2.15	-	-	-	-	mg/kg	0.01	A-T-019s

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Lab Sample ID	24/00382/29	24/00382/30	24/00382/31	24/00382/57	24/00382/58	24/00382/59	24/00382/60	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP13	TP13	TP18	TP14	TP15	TP15	TP16			
Depth to Top	0.20	0.50	0.10	1.00	0.50	2.00	0.50			
Depth To Bottom										
Date Sampled	12-Jan-24	12-Jan-24	12-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	4A	3	3A	3	3A			
Speciated PCB-EC7										
PCB BZ $28_A^{M\#}$	<0.003	<0.003	<0.003	-	-	-	-	mg/kg	0.003	A-T-004s
PCB BZ $52_A^{M\#}$	<0.002	<0.002	<0.002	-	-	-	-	mg/kg	0.002	A-T-004s
PCB BZ $101_A^{M\#}$	<0.004	<0.004	<0.004	-	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $118_A^{M\#}$	<0.007	<0.007	<0.007	-	-	-	-	mg/kg	0.007	A-T-004s
PCB BZ $138_A^{M\#}$	<0.006	<0.006	<0.006	-	-	-	-	mg/kg	0.006	A-T-004s
PCB BZ $153_A^{M\#}$	<0.004	<0.004	<0.004	-	-	-	-	mg/kg	0.004	A-T-004s
PCB BZ $180_A^{M\#}$	<0.004	<0.004	<0.004	-	-	-	-	mg/kg	0.004	A-T-004s
Total Speciated PCB-$EC7_A^{M\#}$	<0.007	<0.007	<0.007	-	-	-	-	mg/kg	0.003	A-T-004s

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Lab Sample ID	24/00382/29	24/00382/30	24/00382/31	24/00382/57	24/00382/58	24/00382/59	24/00382/60	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP13	TP13	TP18	TP14	TP15	TP15	TP16			
Depth to Top	0.20	0.50	0.10	1.00	0.50	2.00	0.50			
Depth To Bottom										
Date Sampled	12-Jan-24	12-Jan-24	12-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	4A	3A	4A	3	3A	3	3A			
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	4	<1	4	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	4	<1	4	-	-	-	-	mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	4	<1	5	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	17	<1	22	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	21	<1	27	-	-	-	-	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	25	<1	31	-	-	-	-	mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s

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Lab Sample ID	24/00382/61	24/00382/67	24/00382/68	24/00382/69	24/00382/73	24/00382/74	24/00382/75	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP16	TP19	TP20	TP20	TP22	TP23	TP23			
Depth to Top	1.50	1.50	0.20	3.00	1.00	0.10	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	12-Jan-24	12-Jan-24	12-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3	3	4A	3	3A	4A	3A			
% Stones >10mm$_A$	<0.1	<0.1	5.6	7.5	<0.1	6.5	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.97	9.88	8.34	8.32	9.01	8.08	8.44	pH	0.01	A-T-031s

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Lab Sample ID	24/00382/76	24/00382/77	24/00382/78	24/00382/79	24/00382/80	24/00382/81	24/00382/82	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP23	TP24	TP25	TP25	TP26	TP26	TP26			
Depth to Top	2.00	1.00	0.50	2.00	0.20	0.50	1.00			
Depth To Bottom										
Date Sampled	10-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3A	3	3A	3A	4A	3A	3A			
% Stones >10mm$_A$	<0.1	<0.1	3.7	<0.1	2.8	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.95	9.05	8.29	9.07	8.23	8.42	9.08	pH	0.01	A-T-031s

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Lab Sample ID	24/00382/83	24/00382/84	24/00382/85	24/00382/86	24/00382/87	24/00382/88	24/00382/89	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP27	TP27	TP28	TP28	TP28	TP29	TP29			
Depth to Top	0.50	1.50	0.10	0.50	2.00	0.20	0.50			
Depth To Bottom										
Date Sampled	10-Jan-24	10-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3A	3	4A	3A	3A	4	3			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	4.0	<0.1	3.7	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.41	8.81	8.03	8.26	8.60	8.27	8.32	pH	0.01	A-T-031s

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Lab Sample ID	24/00382/90	24/00382/91	24/00382/92	24/00382/93	24/00382/94	24/00382/95	24/00382/96	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP29	TP30	TP30	TP32	TP32	TP33	TP33			
Depth to Top	1.00	0.50	1.50	0.10	1.50	0.10	0.50			
Depth To Bottom										
Date Sampled	09-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24	09-Jan-24			
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Matrix Code	3A	4A	3A	3A	3A	4A	4A			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	<0.1	4.8	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.92	8.23	9.04	8.36	8.72	8.21	8.18	pH	0.01	A-T-031s

Envirolab Job Number: 24/00382

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Lab Sample ID	24/00382/97	24/00382/98	24/00382/99	24/00382/100	24/00382/101	24/00382/102		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP33	TP35	TP35	TP36	TP36	TP22				
Depth to Top	1.00	0.50	2.00	0.10	1.50	0.50				
Depth To Bottom										
Date Sampled	09-Jan-24	09-Jan-24	09-Jan-24	10-Jan-24	10-Jan-24	10-Jan-24				
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL				
Sample Matrix Code	3A	3A	3A	3A	3A	3A				
% Stones >10mm$_A$	3.2	<0.1	5.1	<0.1	<0.1	<0.1		% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.78	8.25	8.69	8.39	8.95	8.98		pH	0.01	A-T-031s

Report Notes

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and Interpretations expressed are outside our scope of accreditation.
The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client.
A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "^"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
N/A	Not applicable

Asbestos
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing, and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:
For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:
EPH CWG results have humics mathematically subtracted through instrument calculation.
Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:
Results greater than 12900µS/cm @ 25^{o}C / 11550µS/cm @ 20^{o}C fall outside the accreditation range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Wardell Armstrong (Bolton), 41-50 Futura Park, Aspinall Way, Middlebrook, Bolton, Lancashire, UK, BL6 6SU

Project: Deal, Kent

Clients Project No: GM12741

Project No: 24/00382

Date Received: 16/01/2024 (am)

Cool Box Temperatures (°C): 5.9 - 9.4

Lab Sample ID	24/00382/1	24/00382/2
Client Sample No		
Client Sample ID/Depth	TP14 0.20m	TP14 0.50m
Date Sampled	10/01/24	10/01/24
Deviation Code		
F	✓	✓

Key
F *Maximum holding time exceeded between sampling date and analysis for analytes listed below*

HOLDING TIME EXCEEDANCES

Lab Sample ID	24/00382/1	24/00382/2
Client Sample No		
Client Sample ID/Depth	TP14 0.20m	TP14 0.50m
Date Sampled	10/01/24	10/01/24
VPHCWG	✓	✓

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	24/00382/1	24/00382/2	24/00382/3	24/00382/4	24/00382/5	24/00382/6	24/00382/7	24/00382/8	24/00382/9	24/00382/10	24/00382/11	24/00382/12
Client Sample No												
Client Sample ID/Depth	TP14 0.20m	TP14 0.50m	TP15 0.10m	TP16 0.20m	TP19 0.10m	TP19 0.50m	TP20 0.50m	TP22 0.10m	TP24 0.10m	TP24 0.50m	TP25 0.20m	TP27 0.10m
Date Sampled	10/01/24	10/01/24	10/01/24	10/01/24	10/01/24	10/01/24	10/01/24	10/01/24	09/01/24	09/01/24	09/01/24	10/01/24
A-T-004s				19/01/2024								
A-T-019s	26/01/2024	26/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024
A-T-022s	26/01/2024	29/01/2024	18/01/2024	18/01/2024	18/01/2024	18/01/2024			18/01/2024	18/01/2024		
A-T-024s	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024
A-T-026s	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024
A-T-031s	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024
A-T-032s	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024
A-T-044	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024
A-T-045	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024
A-T-055s	24/01/2024	24/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024			19/01/2024	19/01/2024		
Calc-As Recd	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024			19/01/2024	19/01/2024		

Lab Sample ID	24/00382/13	24/00382/14	24/00382/15	24/00382/16	24/00382/17	24/00382/18	24/00382/19	24/00382/20	24/00382/21	24/00382/22	24/00382/23	24/00382/24
Client Sample No												
Client Sample ID/Depth	TP30 0.10m	TP32 0.50m	TP35 0.10m	TP36 0.50m	TP01 0.20m	TP02 0.10m	TP04 0.20m	TP04 0.40m	TP05 0.20m	TP06 0.50m	TP08 0.10m	TP08 0.50m
Date Sampled	09/01/24	09/01/24	09/01/24	10/01/24	11/01/24	11/01/24	11/01/24	11/01/24	11/01/24	11/01/24	11/01/24	11/01/24
A-T-004s							19/01/2024	19/01/2024			19/01/2024	19/01/2024
A-T-019s	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024
A-T-022s							18/01/2024	18/01/2024	18/01/2024		18/01/2024	18/01/2024
A-T-024s	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024
A-T-026s	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024
A-T-031s	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024
A-T-032s	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024
A-T-044	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024
A-T-045	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024
A-T-055s							19/01/2024	19/01/2024	19/01/2024		19/01/2024	19/01/2024
Calc-As Recd							19/01/2024	19/01/2024	19/01/2024		19/01/2024	19/01/2024

Lab Sample ID	24/00382/25	24/00382/26	24/00382/27	24/00382/28	24/00382/29	24/00382/30	24/00382/31	24/00382/57	24/00382/58	24/00382/59	24/00382/60	24/00382/61
Client Sample No												
Client Sample ID/Depth	TP10 0.20m	TP10 0.50m	TP11 0.20m	TP12 0.10m	TP13 0.20m	TP13 0.50m	TP18 0.10m	TP14 1.00m	TP15 0.50m	TP15 2.00m	TP16 0.50m	TP16 1.50m
Date Sampled	11/01/24	11/01/24	12/01/24	12/01/24	12/01/24	12/01/24	12/01/24	10/01/24	10/01/24	10/01/24	10/01/24	10/01/24
A-T-004s	19/01/2024	19/01/2024			19/01/2024	19/01/2024	19/01/2024					
A-T-019s	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024	19/01/2024					
A-T-022s	18/01/2024	18/01/2024	18/01/2024		18/01/2024	19/01/2024	18/01/2024					
A-T-024s	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024					
A-T-026s	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024					
A-T-031s	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	23/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024
A-T-032s	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024					
A-T-044	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	22/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024
A-T-045	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024	17/01/2024					
A-T-055s	19/01/2024	19/01/2024	19/01/2024		19/01/2024	19/01/2024	19/01/2024					
Calc-As Recd	19/01/2024	19/01/2024	19/01/2024		19/01/2024	19/01/2024	19/01/2024					

Lab Sample ID	24/00382/67	24/00382/68	24/00382/69	24/00382/73	24/00382/74	24/00382/75	24/00382/76	24/00382/77	24/00382/78	24/00382/79	24/00382/80	24/00382/81
Client Sample No												
Client Sample ID/Depth	TP19 1.50m	TP20 0.20m	TP20 3.00m	TP22 1.00m	TP23 0.10m	TP23 0.50m	TP23 2.00m	TP24 1.00m	TP25 0.50m	TP25 2.00m	TP26 0.20m	TP26 0.50m
Date Sampled	12/01/24	12/01/24	12/01/24	10/01/24	10/01/24	10/01/24	10/01/24	09/01/24	09/01/24	09/01/24	10/01/24	10/01/24
A-T-004s												
A-T-019s												
A-T-022s												
A-T-024s												
A-T-026s												
A-T-031s	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024
A-T-032s												
A-T-044	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024
A-T-045												
A-T-055s												
Calc-As Recd												

Lab Sample ID	24/00382/82	24/00382/83	24/00382/84	24/00382/85	24/00382/86	24/00382/87	24/00382/88	24/00382/89	24/00382/90	24/00382/91	24/00382/92	24/00382/93
Client Sample No												
Client Sample ID/Depth	TP26 1.00m	TP27 0.50m	TP27 1.50m	TP28 0.10m	TP28 0.50m	TP28 2.00m	TP29 0.20m	TP29 0.50m	TP29 1.00m	TP30 0.50m	TP30 1.50m	TP32 0.10m
Date Sampled	10/01/24	10/01/24	10/01/24	09/01/24	09/01/24	09/01/24	09/01/24	09/01/24	09/01/24	09/01/24	09/01/24	09/01/24
A-T-004s												
A-T-019s												
A-T-022s												
A-T-024s												
A-T-026s												
A-T-031s	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024
A-T-032s												
A-T-044	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024
A-T-045												
A-T-055s												
Calc-As Recd												

Lab Sample ID	24/00382/94	24/00382/95	24/00382/96	24/00382/97	24/00382/98	24/00382/99	24/00382/100	24/00382/101	24/00382/102
Client Sample No									
Client Sample ID/Depth	TP32 1.50m	TP33 0.10m	TP33 0.50m	TP33 1.00m	TP35 0.50m	TP35 2.00m	TP36 0.10m	TP36 1.50m	TP22 0.50m
Date Sampled	09/01/24	09/01/24	09/01/24	09/01/24	09/01/24	09/01/24	10/01/24	10/01/24	10/01/24
A-T-004s									
A-T-019s									
A-T-022s									
A-T-024s									
A-T-026s									
A-T-031s	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024	30/01/2024
A-T-032s									
A-T-044	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024	25/01/2024
A-T-045									
A-T-055s									
Calc-As Recd									

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

Appendix I

Laboratory Geotechnical Testing Results

The Testing Lab PLC
Unit 2 James Road
Adwick-le-Street
Doncaster
DN6 7HH

Document Transmittal Sheet

To
John Lawrence
Geotron UK Ltd
Unit E2018
Warmco Industry Park
Mossley
OL5 9AY

Despatch Date 16/02/2024
Issue Number 1
Issuer Name M Athorne
Issuer Signatory

Report Remarks

Date of Sample Receipt: 31/01/2024
Start Date of Test: 31/01/2024
Date of Issue of report: 16/02/2024

Note: Test carried out at TTL laboratory facility as detaied in contact information

Project Name:
Dover

Project No:
J261254

Details of Report Contents

*Tests in the following list marked * are not UKAS accredited*

ITEM	Sheet Nos	Comments
Document Transmittal sheet / Contents	page(s) 1 to 1	

TESTS	Sheet Nos	Authoriser Signatory
Index Properties - Summary of Results	INDX 1 to 1	
End of Report		

Total number of pages in this report 2

GQF-008-48
Issue 01 - Oct 22

Summary of Classification Test Results

Project No.
J261254

Project Name
Dover

Hole No.	Sample				Soil Description	Density bulk Mg/m^3	Density dry Mg/m^3	*w* %	Passing 425µm %	LL %	PL %	PI %	Particle density Mg/m^3	Remarks
	Ref	Top	Base	Type										
TP01		0.50		B	Brown slightly gravelly sandy CLAY			25	88	37	24	13		
TP25		0.50		B	Brown slightly gravelly sandy CLAY			23	88	35	22	13		
TP36		0.70		B	CHALK compossed of white slightly clayey slightly sandy gravel			29			NP			
WS01		1.00	1.45	D	CHALK compossed of white slightly sandy silty clay			26	95	33 -1pt	29	4		
WS01		2.00	2.45	D	CHALK compossed of white slightly sandy silty clay			28	97	34 -1pt	28	6		
WS01		3.00	3.45	D	CHALK composed of white slightly gravelly clayey silt			28	88	34 -1pt	26	8		
WS03		1.00	1.45	D	CHALK composed of white slightly gravelly clayey silt			28	71	34 -1pt	29	5		
WS03		2.00	2.45	D	CHALK composed of white slightly gravelly clayey silt			31	97	33 -1pt	25	8		
WS03		3.00	3.45	D	CHALK composed of white slightly gravelly clayey silt			31	88	34 -1pt	26	8		
WS05		1.00	1.45	D	CHALK composed of white slightly gravelly clayey silt			29	83	35 -1pt	28	7		
WS05		2.00	2.45	D	CHALK composed of white slightly gravelly clayey silt			27	95	32 -1pt	25	7		
WS07		1.00	1.45	D	CHALK composed of white slightly gravelly clayey silt			28	66	36 -1pt	30	6		
WS07		2.00	2.45	D	CHALK composed of white clayey slightly gravelly silt			28	95	34 -1pt	29	5		
WS07		3.00	3.45	D	CHALK composed of white slightly gravelly clayey silt			27	98	34 -1pt	28	6		

All tests performed in accordance with BS1377:1990 unless specified otherwise

Date Printed 16/02/2024

Key

Density test
Linear measurement unless :
wd - water displacement
wi - immersion in water

Liquid Limit
4pt cone unless :
cas - Casagrande method
1pt - single point test

Particle density
sp - small pyknometer
gj - gas jar

TTL

UKAS TESTING
7758

INDEX

Appendix J

Gas and Groundwater Monitoring Results

E S S

Environmental Site Sampling Ltd

24th January 2024

Environmental Site Sampling Ltd
94 Dillotford Avenue
Styvechale
Coventry
CV3 5DU

Tel : (024) 7669 0514
Mobile : 07971 664 118

e.mail: cosgrove_patrick@hotmail.com

Mr G Huck
Wardell Armstrong LLP
41-50 Futura Park
Aspinall Way
Middlebrook
Bolton
BL6 6SU

In-situ Analysis Report: WA/6670

Dear Mr Huck,

Please find enclosed a copy of the in-situ ground gas analysis undertaken at Cross Road, Walmer, Deal, Kent, CT14 9LA, on 24th January 2024.

I trust you find these satisfactory. Should you have any queries please contact us.

Yours Sincerely,

Patrick Cosgrove

P V Cosgrove BSc MSc
Environmental Site Sampling Ltd

In-situ Analysis: WA/6670

Client: Wardell Armstrong LLP
Project: Cross Road, Walmer, Deal, Kent, CT14 9LA

24/01/24

Sample Location	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (%vol)		Methane (%LEL)		Carbon Dioxide (%vol)		Oxygen (%vol)		Other Gases (ppm)		Water Level (Meters)	Install Depth (Meters)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	H_2S	CO		
WS 01	<0.1	3	<0.1	<0.1	<2	<2	0.5	0.5	20.0	20.0	<1	<1	Dry 5.01m	5.01m
WS 02	<0.1	1	<0.1	<0.1	<2	<2	0.6	0.6	19.8	19.8	<1	<1	Dry 4.97m	4.97m
WS 03	<0.1	2	<0.1	<0.1	<2	<2	0.2	0.2	20.3	20.3	<1	<1	Dry 4.99m	4.99m
WS 04	<0.1	3	<0.1	<0.1	<2	<2	0.4	0.4	19.9	19.9	<1	<1	Dry 4.90m	4.90m
WS 05	<0.1	4	<0.1	<0.1	<2	<2	0.8	0.8	19.7	19.7	<1	<1	Dry 5.10m	5.10m
WS 06	<0.1	2	<0.1	<0.1	<2	<2	0.8	0.8	19.6	19.6	<1	<1	Dry 5.04m	5.04m
WS 07	<0.1	3	<0.1	<0.1	<2	<2	1.1	1.1	19.3	19.3	<1	<1	Dry 4.85m	4.85m
WS 08	<0.1	2	<0.1	<0.1	<2	<2	0.2	0.2	20.1	20.1	<1	<1	Dry 4.99m	4.99m

Notes:
Monitoring order is from left to right.
Steady concentrations are measured up to 3 minutes.

Additional Information	
Date Monitoring Undertaken:	24th January 2024
Monitoring Undertaken By:	P Cosgrove
Equipment Used:	GFM436 S/N 13985
Atmospheric Pressure Deal a.m. (mb):	1022mb
Atmospheric Pressure On-site: (mb):	1021mb
Atmospheric Pressure Deal p.m. (mb):	1027mb
Weather During Visit:	Sunny, Dry, Wind W, 8m/s, 11°C
Comments:	

E S S

Environmental Site Sampling Ltd

31st January 2024

Environmental Site Sampling Ltd
94 Dillotford Avenue
Styvechale
Coventry
CV3 5DU

Tel : (024) 7669 0514
Mobile : 07971 664 118

e.mail: cosgrove_patrick@hotmail.com

Mr G Huck
Wardell Armstrong LLP
41-50 Futura Park
Aspinall Way
Middlebrook
Bolton
BL6 6SU

In-situ Analysis Report: WA/6675

Dear Mr Huck,

Please find enclosed a copy of the in-situ ground gas analysis undertaken at Cross Road, Walmer, Deal, Kent, CT14 9LA, on 31st January 2024.

I trust you find these satisfactory. Should you have any queries please contact us.

Yours Sincerely,

Patrick Cosgrove

P V Cosgrove BSc MSc
Environmental Site Sampling Ltd

In-situ Analysis: WA/6675

Client: Wardell Armstrong LLP
Project: Cross Road, Walmer, Deal, Kent, CT14 9LA

31/01/24

Sample Location	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (%vol)		Methane (%LEL)		Carbon Dioxide (%vol)		Oxygen (%vol)		Other Gases (ppm)		Water Level (Meters)	Install Depth (Meters)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	H_2S	CO		
WS 01	0.1	11	<0.1	<0.1	<2	<2	0.6	0.6	19.4	19.4	<1	<1	Dry 5.01m	5.01m
WS 02	<0.1	3	<0.1	<0.1	<2	<2	0.5	0.5	19.8	19.8	<1	<1	Dry 4.97m	4.97m
WS 03	<0.1	2	<0.1	<0.1	<2	<2	0.1	0.1	20.0	20.0	<1	<1	Dry 4.99m	4.99m
WS 04	0.1	10	<0.1	<0.1	<2	<2	0.2	0.2	19.9	19.9	<1	<1	Dry 4.90m	4.90m
WS 05	<0.1	4	<0.1	<0.1	<2	<2	0.5	0.5	19.5	19.5	<1	<1	Dry 5.10m	5.10m
WS 06	<0.1	2	<0.1	<0.1	<2	<2	0.7	0.7	19.2	19.2	<1	<1	Dry 5.04m	5.04m
WS 07	<0.1	1	<0.1	<0.1	<2	<2	1.1	1.1	19.1	19.1	<1	<1	Dry 4.85m	4.85m
WS 08	<0.1	2	<0.1	<0.1	<2	<2	0.2	0.2	19.9	19.9	<1	<1	Dry 4.99m	4.99m

Notes:
Monitoring order is from left to right.
Steady concentrations are measured up to 3 minutes.

Additional Information	
Date Monitoring Undertaken:	31st January 2024
Monitoring Undertaken By:	P Cosgrove
Equipment Used:	GFM436 S/N 13985
Atmospheric Pressure Deal a.m. (mb):	1033mb
Atmospheric Pressure On-site: (mb):	1029mb
Atmospheric Pressure Deal p.m. (mb):	1028mb
Weather During Visit:	Overcast, Dry, Wind SW, 5m/s, 7°C
Comments:	

E S S

Environmental Site Sampling Ltd

7th February 2024

Environmental Site Sampling Ltd
94 Dillotford Avenue
Styvechale
Coventry
CV3 5DU

Tel : (024) 7669 0514
Mobile : 07971 664 118

e.mail: cosgrove_patrick@hotmail.com

Mr G Huck
Wardell Armstrong LLP
41-50 Futura Park
Aspinall Way
Middlebrook
Bolton
BL6 6SU

In-situ Analysis Report: WA/6680

Dear Mr Huck,

Please find enclosed a copy of the in-situ ground gas analysis undertaken at Cross Road, Walmer, Deal, Kent, CT14 9LA, on 7th February 2024.

I trust you find these satisfactory. Should you have any queries please contact us.

Yours Sincerely,

Patrick Cosgrove

P V Cosgrove BSc MSc
Environmental Site Sampling Ltd

In-situ Analysis: WA/6680

Client: Wardell Armstrong LLP
Project: Cross Road, Walmer, Deal, Kent, CT14 9LA

07/02/24

Sample Location	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (%vol)		Methane (%LEL)		Carbon Dioxide (%vol)		Oxygen (%vol)		Other Gases (ppm)		Water Level (Meters)	Install Depth (Meters)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	H_2S	CO		
WS 01	<0.1	2	<0.1	<0.1	<2	<2	0.4	0.4	19.9	19.9	<1	<1	Dry 5.01m	5.01m
WS 02	<0.1	4	<0.1	<0.1	<2	<2	0.5	0.5	19.8	19.8	<1	<1	Dry 4.97m	4.97m
WS 03	<0.1	1	<0.1	<0.1	<2	<2	0.3	0.3	19.9	19.9	<1	<1	Dry 4.99m	4.99m
WS 04	0.1	11	<0.1	<0.1	<2	<2	0.2	0.2	20.0	20.0	<1	<1	Dry 4.90m	4.90m
WS 05	0.1	12	<0.1	<0.1	<2	<2	0.8	0.8	19.5	19.5	<1	<1	Dry 5.10m	5.10m
WS 06	<0.1	3	<0.1	<0.1	<2	<2	0.8	0.8	19.3	19.3	<1	<1	Dry 5.04m	5.04m
WS 07	0.1	11	<0.1	<0.1	<2	<2	1.2	1.2	19.3	19.3	<1	<1	Dry 4.85m	4.85m
WS 08	<0.1	3	<0.1	<0.1	<2	<2	0.1	0.1	19.9	19.9	<1	<1	Dry 4.99m	4.99m

Notes:
Monitoring order is from left to right.
Steady concentrations are measured up to 3 minutes.

Additional Information	
Date Monitoring Undertaken:	7th February 2024
Monitoring Undertaken By:	P Cosgrove
Equipment Used:	GFM436 S/N 13985
Atmospheric Pressure Deal a.m. (mb):	1006mb
Atmospheric Pressure On-site: (mb):	1004mb
Atmospheric Pressure Deal p.m. (mb):	1002mb
Weather During Visit:	Overcast, Raining, Wind E, 4m/s, 5°C
Comments:	