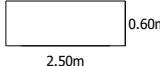
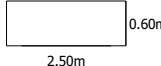
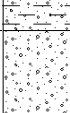


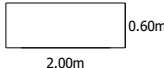
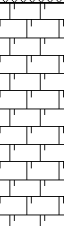
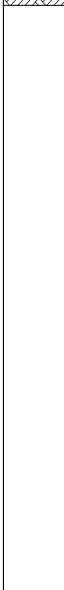
Factual Ground Investigation Report

[illegible]

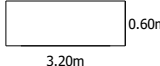
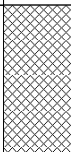
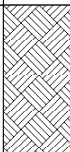
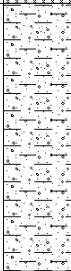
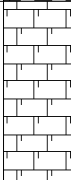
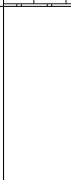
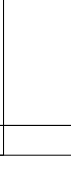
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 548692.00 Northing: 251215.00 Level: 18.00mAOD Depth: 1.60m Logger: CE Type: TP				Status FINAL		Pit Number TP-BP-02	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
	Hole Information		Groundwater						Scale: 1:25	
	Pit Dimensions	Orientation: 0°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
		Shoring: None					Approved By: CP			
2.50m	Stability: Stable					Start Date: 26/04/2021				
	Plant: Machine Excavated					Finish Date: 26/04/2021				
Strata Description		Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
Crop over soft to firm dark brown slightly gravelly very sandy SILT. Sand is fine to coarse. Gravel is angular to subangular fine to coarse flint and chalk. (MADE GROUND)			0.30	17.70			Depth (m)	Ref	Tests / Results	
							0.10	ES1		
Soft greyish brown slightly gravelly silty sandy CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to medium flint. (ALLUVIUM) ALV(C)		0.70	17.30			0.20	ES2			
						0.50	D			
Plastic (soft) black pseudo-fibrous PEAT. (ALLUVIUM) ALV(C)		0.80	17.20			0.50	ES3			
						1.00	D			
Loose to medium dense, yellowish brown very sandy, clayey, subangular to subrounded, fine to coarse GRAVEL of flint with moderate cobble content. Sand is fine to coarse. Cobbles are subangular flint. (RIVER TERRACE DEPOSITS)						1.00	ES4			
						1.00	ES4			
EOH at 1.60m - Pit terminated due to collapsing in at base.		1.60	16.40			1.00 - 1.60	B x 4 (Large)			
						1.50	D			

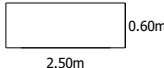
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 548580.00 Northing: 251199.00 Level: 17.46mAOD Depth: 2.00m Logger: CE Type: TP				Status FINAL		Pit Number TP-BP-03	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
Hole Information			Groundwater					Scale: 1:25		
Pit Dimensions		Orientation: 0°	Strike (m)	Rose To (m)	After (mins)	Remarks		Checked By: RT		
		Shoring: None Stability: Stable Plant: Machine Excavated	1.10	1.10	0			Approved By: CP		
								Start Date: 27/04/2021		
								Finish Date: 27/04/2021		
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
								Depth (m)	Ref	Tests / Results
Crop over soft brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse flint and chalk. (MADE GROUND)				0.30	17.16			0.10	ES1	
								0.20	ES2	
Soft brown mottled orangish brown slightly gravelly, sandy silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse flint. (ALLUVIUM) ALV(C)				0.70	16.76			0.50	D	
								0.50	ES3	
Plastic (soft) black pseudo-fibrous PEAT. (ALLUVIUM) ALV(C)				0.85	16.61			1.00	D	
Soft orangish brown mottled grey slightly gravelly sandy silty CLAY. Sand is fine. Gravel is angular, fine to medium flint and shell fragments. (ALLUVIUM) ALV(C)								1.00	ES4	
								1.00	Bx 1	
								1.00 - 1.20	(Large)	
Medium dense yellowish brown very sandy, slightly clayey, subangular to rounded, medium to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS) RTD				1.30	16.16			1.50	D	
EOH at 2.00m - Groundwater encountered at 1.10m bgl. Pit terminated due to collapsing in at base.				2.00	15.46			2.00	B x 8	
								2.00	(Large) D	
									</	

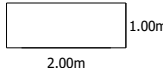
	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number		
	Location: Cambridge		Easting: 547843.00 Northing: 252123.00 Level: 20.70mAOD Depth: 3.10m Logger: AU Type: TP				FINAL		TP-HRS-01		
	Client: Greater Cambridge Partnership								Sheet 1 of 1		
<div><div></div><div>0.60m</div><div>3.20m</div></div>	Hole Information		Groundwater						Scale: 1:25		
	Orientation: 0°		Strike (m)	Rose To (m)	After (mins)	Remarks		Checked By: RT			
	Shoring: None Stability: Stable Plant: Machine Excavated							Approved By: CP Start Date: 14/04/2021 Finish Date: 14/04/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
MADE GROUND: Grass over brown sandy gravelly CLAY with abundant rootlets (<1x10mm). Sand is fine to coarse. Gravel is angular to sub-rounded fine to coarse flint, chalk and rare red brick.				0.40	20.30			0.00 - 0.10	ES1		
Firm brown very gravelly, very sandy, CLAY. Gravel is angular to sub-rounded fine to coarse chalk. (ALLUVIUM) ALV(C)								0.20 - 0.30	ES2		
			0.50 - 0.60	D							
			0.50 - 0.60	ES3							
			1.00 - 1.30	B							
			1.00 - 1.30	D							
			1.00 - 1.30	ES4							
Structureless CHALK composed of off-white silty GRAVEL with abundant grey and brown staining. Clasts are high-density, with flint. (ZIG ZAG CHALK FORMATION ?, Grade Dc.)			1.40	19.30			1.50 - 1.60	D			
							2.00 - 2.30	B			
							2.00 - 2.30	D			
							2.50 - 2.80	B			
							2.50 - 2.80	D			
							3.00 - 3.10	B			
							3.00 - 3.10	D			
EOH at 3.10m - Target depth achieved.				3.10	17.60						

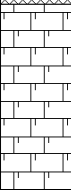
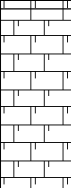
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 547825.00 Northing: 252146.00 Level: 20.78mAOD Depth: 3.00m Logger: CE Type: TP				Status FINAL		Pit Number TP-HRS-03	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
	Hole Information		Groundwater					Scale: 1:25		
	Orientation: 90°		Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
	Shoring: None Stability: Stable Plant: Machine Excavated						Approved By: CP Start Date: 22/04/2021 Finish Date: 22/04/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Crop over dark brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse flint. (TOPSOIL) MGR(TS)				0.30	20.48			0.10	ES1	
								0.20	ES2	
Structureless CHALK composed of white sandy subangular to subrounded GRAVEL. Gravel is very weak low density chalk. (ZIG ZAG CHALK FORMATION ?, Grade Dc).				1.10	19.68			0.50	ES3	
								1.00 1.00 1.00	B1 D1 ES4	
Structureless CHALK composed of white silty sandy subangular fine to coarse GRAVEL. Gravel is of weak low to medium density chalk with yellowish staining. (ZIG ZAG CHALK FORMATION ?, Grade Dc)								1.50	D2	
								2.00 2.00	B2 D3	
EOH at 3.00m - Target depth achieved.				3.00	17.78			2.50	D4	
								3.00 3.00	B3 D5	
										

	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number	
	Location: Cambridge		Easting: 547857.00 Northing: 252202.00 Level: 20.87mAOD Depth: 3.00m Logger: Type: TP				FINAL		TP-HRS-04	
	Client: Greater Cambridge Partnership								Sheet 1 of 1	
	Hole Information		Groundwater						Scale: 1:25	
	Pit Dimensions	Orientation: 0°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
		Shoring: None Stability: Stable Plant: Machine Excavated					Approved By: CP			
							Start Date: 23/04/2021			
							Finish Date: 23/04/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
								Depth (m)	Ref	Tests / Results
MADE GROUND: Firm light to medium brown, very sandy, gravelly SILT. Sand is fine to medium. Gravel is angular to sub-rounded, fine to medium flint and occasional chalk. (TOPSOIL) MGR(TS)				0.50	20.37			0.10	ES1	
								0.20	ES2	
								0.30	B	
								0.30	D	
Structureless CHALK composed of light greyish brown, very sandy, gravelly SILT. Sand is fine to medium. Gravel is fine to coarse, angular to sub-rounded, high-density chalk and rare flint. (ZIG ZAG CHALK FORMATION ?, Grade Dm).				1.90	18.97			0.50	D	
								0.50	ES3	
								1.00	B	
								1.00	D	
							1.00	ES4		
							1.50	D		
Structureless CHALK composed of light greyish white silty sandy GRAVEL. Gravel is very weak, low-density. (ZIG ZAG CHALK FORMATION ?, Grade Dc.)				3.00	17.87			2.00	B	
								2.00	D	
								2.50	D	
								3.00	B	
EOH at 3.00m - Target depth achieved.								3.00	D	
								3.00		

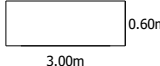
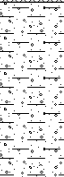
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 550125.00 Northing: 249889.00 Level: 26.22mAOD Depth: 4.00m Logger: AU Type: TP				Status FINAL		Pit Number TP-OBC-02		
	Location: Cambridge										
	Client: Greater Cambridge Partnership								Sheet 1 of 1		
	Hole Information		Groundwater						Scale: 1:25		
	Pit Dimensions	Orientation: 320°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
		Shoring: None					Approved By: CP				
		Stability: Stable					Start Date: 16/04/2021				
3.20m		Plant: Wheeled Hydraulic Excavator							Finish Date: 16/04/2021		
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
MADE GROUND: Grass over dark brown, sandy, gravelly CLAY with abundant rootlets. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse chalk and flint. (TOPSOIL) MGR(TS)				0.50	25.72			0.10	ES1		
								0.20	ES2		
Firm brown, very sandy, slightly gravelly, silty CLAY. Sand is fine to coarse. Gravel is angular to rounded, fine to coarse flint and chalk. (ALLUVIUM) ALV(C)				0.50	25.72			0.50	D	1	
								0.50	ES3		
Structureless CHALK composed of white, slightly sandy, gravelly SILT with occasional brown staining. Gravel is angular to subangular, fine to coarse chalk and flint. (HOLYWELL NODULAR CHALK FORMATION ? , Grade Dm)				1.40	24.82			1.00	B		
								1.00	D		
Structureless CHALK composed of white, slightly sandy, silty, angular to subangular GRAVEL with flint and frequent grey and brown staining. (HOLYWELL NODULAR CHALK FORMATION ? , Grade Dc)				2.20	24.02			1.00	D	2	
								1.00	ES4		
				2.20	24.02			2.00	B		
								2.00	D		
				2.20	24.02			2.50	B		
								2.50	D		
				2.20	24.02			3.00	B	3	
								3.00	D		
				2.20	24.02			3.00	B	4	
								3.00	D		
EOH at 4.00m - Target depth achieved.				4.00	22.22					5	

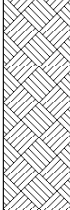
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 550231.00 Northing: 249818.00 Level: 27.32mAOD Depth: 4.00m Logger: CE Type: TP				Status FINAL		Pit Number TP-OBC-03A	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
	Hole Information		Groundwater						Scale: 1:25	
	Pit Dimensions	Orientation: 315°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
		Shoring: None					Approved By: CP			
		Stability: Stable					Start Date: 21/04/2021			
2.50m	Plant: Machine Excavated						Finish Date: 21/04/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Soft light brown, slightly gravelly silty fine to medium SAND. Gravel is subangular to rounded, fine to coarse flint. (TOPSOIL) MGR(TS)				0.30	27.02			0.10	ES1	
								0.20	ES2	
Soft orangish brown gravelly very clayey / silty, fine to medium SAND. Gravel is subangular to subrounded, fine to coarse flint. (TOPSOIL / ALLUVIUM) ALV(C)				0.90	26.42			0.50	ES3	
Medium dense light grey, silty gravelly, fine to medium SAND. Gravel is subangular to subrounded, fine to coarse flint and chalk. (ALLUVIUM / Weathered HOLLYWELL NODULAR CHALK FORMATION) ALV(C)				1.00	26.32			1.00	B	1
								1.00	D	
Structureless CHALK composed of white with yellowish staining slightly sandy, subangular to subrounded, fine to coarse GRAVEL. Gravel is weak, low-density (HOLLYWELL NODULAR CHALK FORMATION ? , Grade Dc)								1.00	ES4	
								1.50	D	
								2.00	B	2
								2.00	D	
								2.50	D	
								3.00	B	3
								3.00	D	
								3.50	D	
EOH at 4.00m - Target depth achieved.				4.00	23.32			4.00	B	4
								4.00	D	
										5
Observations / Remarks									Geneva Building, Nottingham, NG15 0ED	
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.									01623 684550	
									Project Number	
									784-B025563	

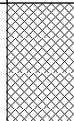
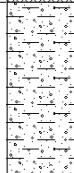
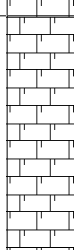
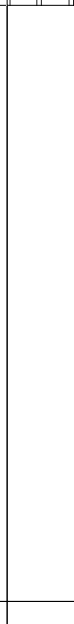
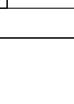
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 550354.00 Northing: 249738.00 Level: 29.16mAOD Depth: 4.00m Logger: DJ Type: TP				Status FINAL		Pit Number TP-OBC-04		
	Location: Cambridge								Sheet 1 of 1		
	Client: Greater Cambridge Partnership										
	Hole Information		Groundwater						Scale: 1:25		
	Pit Dimensions	Orientation: 112°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
		Shoring: None					Approved By: CP				
2.00m	Stability: Stable					Start Date: 24/03/2021					
	Plant: Machine Excavated					Finish Date: 24/03/2021					
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
								Depth (m)	Ref	Tests / Results	
MADE GROUND: Grass over soft brown, slightly gravelly sandy silty CLAY with occasional rootlets and roots. Gravel is angular to subangular, fine to coarse flint and chalk. Sand is fine to medium. (TOPSOIL) MGR(TS)				0.50	28.66			0.10	ES1		
								0.20	D1		
								0.20 - 0.30	B2		
Structureless CHALK composed of white and lightish orangish brown silty GRAVEL with low cobble content. Gravel is very weak, low-density locally stained orangish brown, subrounded, fine to coare locally including flint. Cobbles are angular. (HOLYWELL NODULAR CHALK FORMATION ? , Grade Dc)								0.50	D3		
								1.00	D4		
								1.00 - 1.10	B5		
				1.40	27.76			1.50	D6		
								2.00	D7		
								2.00 - 2.10	B8	2	
								2.00 - 2.50	D9		
								2.50	D9		
								3.00	D10	3	
								3.00 - 3.10	B11		
								3.50	D12		
								4.00	D13	4	
EOH at 4.00m - Target depth achieved.				4.00	25.16			4.00	D13	4	
										5	
Observations / Remarks										Geneva Building, Nottingham, NG15 0ED 01623 684550	
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.											
Project Number 784-B025563											

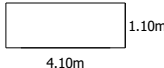
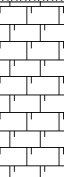
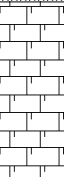
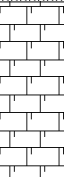
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 550448.00 Northing: 249677.00 Level: 29.64mAOD Depth: 4.00m Logger: DJ Type: TP				Status FINAL		Pit Number TP-OBC-05	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
<div><div></div><div>1.00m</div><div>2.00m</div></div>	Hole Information		Groundwater					Scale: 1:25		
	Orientation: 196°		Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
	Shoring: None Stability: Stable Plant: Machine Excavated						Approved By: CP Start Date: 29/03/2021 Finish Date: 29/03/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Grass over soft brown slightly gravelly sandy CLAY with frequent rootlets and roots. Gravel is subrounded to subangular fine to coarse of flint and chalk. Sand is fine to medium. (TOPSOIL) MGR(TS)				0.45	29.18			0.10	ES1	
Structureless CHALK composed of white and light brown slightly sandy silty GRAVEL. Gravel is subangular to subrounded fine to coarse, very weak low-density with occasional brown staining. Sand is fine. Rare fine to medium gravel of flint. (HOLYWELL NODULAR CHALK FORMATION ?, Grade Dc.)								0.20	ES2	
								0.20 - 0.30	B4	
			0.20 - 0.30	D3						
				1.10	28.54			0.50	D5	
								1.00	ES7	
								1.00 - 1.10	B6	
Off-white CHALK recovered as silty subangular medium to coarse GRAVEL with a medium cobble content. Clasts are very weak and weak, medium and low density with frequent black specks and occasional orangish brown staining. Rare sub-angular medium flint fragments. (HOLYWELL NODULAR CHALK FORMATION, ?)			1.50	D8						
			2.00	D9						
			2.00 - 2.10	B10						
			2.50	D11						
								3.00	D12	
								3.00 - 3.10	B13	
								3.50	D14	
EOH at 4.00m - Target depth achieved.			4.00	25.64			4.00	D15		
Observations / Remarks										Geneva Building, Nottingham, NG15 0ED 01623 684550
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.										
Project Number 784-B025563										

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 551051.00 Northing: 249530.00 Level: 31.31mAOD Depth: 4.00m Logger: DJ Type: TP				Status FINAL		Pit Number TP-OBC-12	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
	Hole Information		Groundwater						Scale: 1:25	
	Pit Dimensions <div><div></div><div>0.90m</div><div>2.00m</div></div>	Orientation: 190° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
							Approved By: CP			
									Start Date: 23/03/2021	
									Finish Date: 23/03/2021	
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
								Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over brown, slightly gravelly, fine SAND. Gravel is sub-angular to sub-rounded, fine to coarse of flint. Frequent rootlets up to 1mm diameter. (TOPSOIL) MGR(TS)				0.50	30.81			0.10	ES1	
								0.20 0.20	D ES2	
Loose to medium dense, orangish brown silty, slightly gravelly fine SAND with a low cobble content. Cobbles are sub-angular, to sub-rounded flint up to 90x90x70mm. Gravel is fine to coarse, sub-angular to sub-rounded flint. Rare rootlets up to 1mm diameter. (RIVER TERRACE DEPOSITS) RTD				1.30	30.01			0.50 - 0.70 0.50 - 0.70 0.60	B D ES3	
								1.00 - 1.20	Bx3	
Firm orangish brown, slightly gravelly sandy silty CLAY. Sand is fine to medium. Gravel is fine to coarse, sub-angular flint and chalk with occasional black specks. (RIVER TERRACE DEPOSITS) RTD				3.00	28.31			1.40 1.40 - 2.00	ES4 D	
								2.00 - 2.50	Bx3	
				4.00	27.31			2.50	D	
								3.00 - 3.10 3.10	D ES5	
Medium dense, light brown and brown, silty, sandy, angular to sub-angular, fine to coarse flint GRAVEL, with sandstone and chalk gravel and a with a medium cobble content. Sand is fine to medium. Cobbles are angular flint and sandstone up to 200x170x100mm. (RIVER TERRACE DEPOSITS) RTD				4.00	27.31			3.50 - 4.00	Bx3	
EOH at 4.00m - Target depth achieved.										
				</						

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 546216.00 Northing: 253672.00 Level: 17.10mAOD Depth: 4.00m Logger: TJB Type: TP				Status FINAL		Pit Number TP-PTR-04		
	Location: Cambridge								Sheet 1 of 1		
	Client: Greater Cambridge Partnership										
	Hole Information		Groundwater						Scale: 1:25		
	Pit Dimensions	Orientation: 340°	Strike (m)	Rose To (m)	After (mins)	Remarks		Checked By: RT			
		Shoring: None Stability: Unstable with partial collapse below 2.90m bgl. Plant: Wheeled Hydraulic Excavator	2.90	2.90	20			Approved By: CP Start Date: 15/04/2021 Finish Date: 15/04/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
MADE GROUND: Grass over stiff light brown, sandy CLAY with abundant rootlets. Sand is fine. (TOPSOIL) MGR(TS)				0.40	16.70			0.10	ES1		
								0.20	ES2		
Firm dark brown, slightly gravelly, sandy CLAY. Sand is fine to coarse. Gravel is subrounded, fine to medium flint. (ALLUVIUM) ALV(C)				0.40	16.70			0.50	B		
								0.50	D ES3		
Structureless CHALK composed of off-white mottled orange brown, slightly gravelly SILT. Gravel is subangular, fine to coarse, weak chalk. (WEST MELBURY MARLY CHALK FORMATION ?, Probably Grade Dm ?)				1.00	16.10			1.00	B	1	
								1.00	D ES4		
				1.00	16.10			1.50	D		
								2.00	B		
Structureless CHALK composed of off-white, slightly sandy, silty, angular to subangular, fine to coarse GRAVEL with a low cobble content, with frequent grey and yellow staining. Clasts are weak, medium-density. (WEST MELBURY MARLY CHALK FORMATION ?, Probably Dc ?)				2.20	14.90			2.00	D	2	
								2.50	B		
...at 3.00m bgl: clasts become medium strong.				2.20	14.90			2.50	D		
								3.00	B		
...from 3.50m bgl: medium cobble content.				2.20	14.90			3.50	D		
								4.00	B		
EOH at 4.00m - Pit terminated due to water.				4.00	13.10			4.00	B	4	
				4.00	13.10			4.00	D	5	
Observations / Remarks									Geneva Building, Nottingham, NG15 0ED 01623 684550		
1. Groundwater seepage at 2.90m bgl. 2. Upon completion exploratory hole backfilled with arisings.									Project Number 784-B025563		

	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number	
	Location: Cambridge		Easting: 546342.00 Northing: 253565.00 Level: 17.17mAOD Depth: 3.60m Logger: Type: TP				FINAL		TP-PTR-06	
	Client: Greater Cambridge Partnership								Sheet 1 of 1	
<div><div></div><div>1.10m</div><div>4.50m</div></div>	Hole Information		Groundwater						Scale: 1:25	
	Orientation: 0° Shoring: None Stability: Unstable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks		Checked By: RT			
		2.90	2.90	20			Approved By: CP			
						Start Date: 23/04/2021		Finish Date: 23/04/2021		
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Light to medium brown very sandy slightly gravelly SILT/CLAY. Sand is fine to medium. Gravel is fine to medium flint and occasional chalk. Low cobble content. (TOPSOIL) MGR(TS)				1.00	16.17			Depth (m)	Ref	Tests / Results
								0.10	ES1	
								0.20	ES2	
								0.50 0.50	D1 ES3	
Structureless CHALK composed of light greyish sandy gravelly SILT. Sand is fine to medium. Gravel is angular to sub-angular chalk and rare flint. Chalk is very weak. (ZIG ZAG CHALK FORMATION ? , Grade Dm)				1.00	16.17			1.00	B2	1
								1.00	D2	
								1.00	ES4	
								1.50	D3	
								2.00 2.00	B3 D4	
Possibly structureless CHALK: recovery composed of light greyish GRAVEL and COBBLES. Chalk is very weak. (ZIG ZAG CHALK FORMATION ? , Grade Dc ?)				2.90	14.27			3.00	B4	3
								3.00	D6	
								3.50 3.50	D D7	
EOH at 3.60m - Pit terminated due to collapsing in at base.				3.60	13.57					4
										5
Observations / Remarks								Geneva Building, Nottingham, NG15 0ED 01623 684550		
1. Groundwater encountered at 2.90m bgl. 2. Upon completion exploratory hole backfilled with arisings.								Project Number 784-B025563		

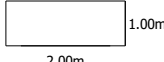
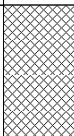
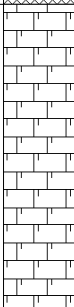
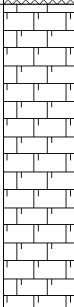
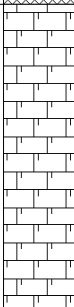
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 546444.00 Northing: 253491.00 Level: 17.31mAOD Depth: 3.00m Logger: AU Type: TP				Status FINAL		Pit Number TP-PTR-07		
	Location: Cambridge		Client: Greater Cambridge Partnership						Sheet 1 of 1		
	Hole Information		Groundwater				Scale: 1:25				
	Pit Dimensions <div><div></div><div>0.60m</div><div>2.40m</div></div>	Orientation: 0° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
			3.00	3.00	20		Approved By: CP				
								Start Date: 12/04/2021			
								Finish Date: 12/04/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
								Depth (m)	Ref	Tests / Results	
MADE GROUND: Grass over dark brown sandy gravelly CLAY with frequent rootlets. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, with brick, tarmac and ceramic fragments.				0.40	16.91			0.10 - 0.20	ES1		
								0.20 - 0.30	ES2		
								0.50 - 0.60	ES3		
Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint and chalk. (ALLUVIUM) ALV(C)				1.00	16.31			1.00 - 1.10	ES4	1	
								1.50 - 1.60	ES5		
Possibly Structureless CHALK: recovered as white sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse, very weak low-density chalk with yellow staining and flint. (ZIG ZAG CHALK FORMATION ? , Grade Dm ?)				2.20	15.11					2	
Possibly Structureless CHALK recovered as off white sandy silty angular to subangular fine to coarse GRAVEL with abundant yellow staining. ZIG ZAG CHALK FORMATION ?, Grade Dc ?)				3.00	14.31					3	
EOH at 3.00m - Target depth achieved.										4	
										5	
Observations / Remarks								Geneva Building, Nottingham, NG15 0ED 01623 684550			
1. Groundwater encountered at 3.00m bgl. 2. Upon completion exploratory hole backfilled with arisings.								Project Number 784-B025563			

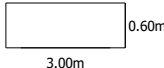
	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number	
	Location: Cambridge		Easting: 546519.00 Northing: 253449.00 Level: 17.55mAOD Depth: 3.30m Logger: Gl Type: TP				FINAL		TP-PTR-08	
	Client: Greater Cambridge Partnership								Sheet 1 of 1	
	Hole Information		Groundwater						Scale: 1:25	
	Pit Dimensions	Orientation: 0°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
		Shoring: None	2.80	0.00	0		Approved By: CP			
Stability: Unstable						Start Date: 20/04/2021				
Plant: Machine Excavated						Finish Date: 20/04/2021				
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Soft to firm light brown, slightly sandy, slightly gravelly SILT. Sand is fine to medium. Gravel is angular to subrounded, fine to coarse flint and sandstone. (TOPSOIL) MGR(TS)				0.70	16.84			0.10	ES1	
								0.20	D	
								0.20	ES2	
								0.30	B	
								0.50	D	
Structureless CHALK composed of light greyish white, sandy, gravelly SILT. Sand is fine to medium. Gravel is angular to subrounded, fine to coarse very weak, low-density chalk. (ZIG ZAG CHALK FORMATION ?, Grade Dc)				1.30	16.24			0.50	ES3	
								1.00	B	
								1.00	D	
								1.00	ES4	
								1.50	D	
Structureless CHALK composed of light greyish white, silty, sandy, angular to subrounded, fine to coarse GRAVEL with low cobble content. Cobbles are angular chalk. Clasts are medium to high-density. (ZIG ZAG CHALK FORMATION ?, Grade Dc)				3.30	14.24			2.00	B	
								2.00	D	
								2.50	D	
								3.00	B	
								3.00	D	
EOH at 3.30m - Pit terminated due to collapsing at base.								3.30	D	
									</	

	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number				
	Location: Cambridge		Easting: 546539.00 Northing: 253440.00 Level: 18.59mAOD Depth: 4.00m Logger: DJ Type: TP				FINAL		TP-PTR-09				
	Client: Greater Cambridge Partnership								Sheet 1 of 1				
	Hole Information		Groundwater				Scale: 1:25						
	Pit Dimensions <div><div></div><div>1.00m</div><div>2.00m</div></div>	Orientation: 108° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT						
			3.00	2.80	20		Approved By: CP						
							Start Date: 09/04/2021						
							Finish Date: 09/04/2021						
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing					
								Depth (m)	Ref	Tests / Results			
MADE GROUND: Grass over soft brown, slightly gravelly, sandy CLAY with occasional rootlets. Sand is fine to medium. Gravel is subangular, fine to coarse flint and chalk with brick and concrete fragments.				0.45	18.14			0.10	ES1				
								0.20	ES2				
								0.20 - 0.40	B4				
Structureless CHALK composed of off-white, silty, very sandy, subangular, fine to coarse GRAVEL with low cobble content. Clasts are very weak, low-density with orangish brown staining and occasional black specks. Matrix is orangish brown silty sandy chalk. Sand is fine to medium. (ZIG ZAG CHALK FORMATION ?, Grade Dc)				2.00	16.59			0.50	D5	1			
								0.50	ES6				
								1.00	D8				
								1.00	ES7	2			
							1.00 - 1.20	B9					
							1.50	D10					
Structureless CHALK composed of off-white, silty, subangular, fine to coarse GRAVEL with low cobble content. Clasts are very weak, low-density with occasional orangish brown staining and occasional black specks. Matrix is white silty chalk. (ZIG ZAG CHALK FORMATION ?, Grade Dc)				3.00	15.59			2.00	D11	3			
								2.00 - 2.20	B12				
								2.50	D13				
Structureless CHALK composed of white, subangular, medium to coarse GRAVEL with medium cobble content. Clasts are very weak to weak, low to medium-density with rare orangish brown staining and occasional black specks. Rare fragments of subangular fine to medium flint. (ZIG ZAG CHALK FORMATION ?, Grade Dc - with possible structured zones)				4.00	14.59			3.00	D14	4			
								3.00 - 3.20	B15				
								3.50	D16				
EOH at 4.00m - Target depth achieved.				5				4.00	D17	5			
Observations / Remarks									Geneva Building, Nottingham, NG15 0ED 01623 684550				
1. Groundwater encountered at 3.00m bgl. 2. Upon completion exploratory hole backfilled with arisings.									Project Number 784-B025563				

	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number	
	Location: Cambridge		Easting: 546577.00 Northing: 253425.00				FINAL		TP-PTR-10	
	Client: Greater Cambridge Partnership		Level: 18.52mAOD Depth: 3.50m Logger: AU Type: TP							
	Hole Information		Groundwater						Scale: 1:25	
	Orientation: 302°		Strike (m)	Rose To (m)	After (mins)	Remarks		Checked By: RT		
	Shoring: None Stability: Stable Plant: Wheeled Hydraulic Excavator		3.50	3.30	20			Approved By: CP		
									Start Date: 15/04/2021	
									Finish Date: 15/04/2021	
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
								Depth (m)	Ref	Tests / Results
MADE GROUND: Dark brown, sandy, gravelly CLAY with abundant rootlets. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse flint and chalk with plastic fragments (TOPSOIL)				0.30	18.22			0.10	ES	
Firm brown, slightly sandy, slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded, fine to medium flint and chalk. (ALLUVIUM) ALV(C)								0.20	ES	
				1.00	17.52			0.50	D	
Structureless CHALK composed of white slightly sandy, gravelly SILT with frequent brown staining. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse chalk and flint. (ZIG ZAG CHALK FORMATION ?, Grade Dm)								0.50	ES	
				2.20	16.32			1.00	B	1
								1.00	D	
								1.50	D	
								2.00	B	
								2.00	D	2
								2.50	D	
								3.00	B	
								3.00	D	
								3.50	D	3
								3.50	D	
EOH at 3.50m - Pit terminated due to collapse due to water.				3.50	15.02					4
										5
Observations / Remarks								Geneva Building, Nottingham, NG15 0ED 01623 684550		
1. Groundwater inflow at 3.50m bgl, rising to 3.30m bgl (20 minutes). 2. Upon completion exploratory hole backfilled with arisings.								Project Number 784-B025563		

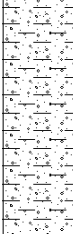
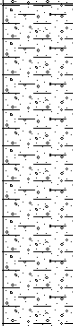
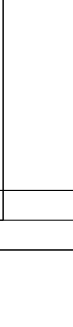
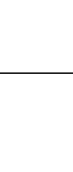
	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number		
	Location: Cambridge		Easting: 546720.00 Northing: 253376.00 Level: 20.18mAOD Depth: 3.00m Logger: DJ Type: TP				FINAL		TP-PTR-11		
	Client: Greater Cambridge Partnership								Sheet 1 of 1		
	Hole Information		Groundwater					Scale: 1:25			
	Pit Dimensions <div><div></div><div>1.00m</div><div>2.00m</div></div>	Orientation: 211° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
							Approved By: CP				
							Start Date: 09/04/2021 Finish Date: 09/04/2021				
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
								Depth (m)	Ref	Tests / Results	
MADE GROUND: Grass over soft brown, slightly gravelly, sandy CLAY with frequent rootlets. Sand is fine to medium. Gravel is subangular, fine to coarse flint and chalk. (TOPSOIL) MGR(TS)				0.45	19.73			0.10	ES1		
Soft orangish brown, slightly gravelly, very sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse flint and chalk. (ALLUVIUM) ALV(C)								0.20	ES2		
Structureless CHALK composed of off-white silty sandy, subangular, fine to coarse GRAVEL with low cobble content. Clasts are very weak, low-density with frequent orangish brown staining and rare black specks. Sand is fine to medium. (ZIG ZAG CHALK FORMATION ? , Grade Dc)				1.00	19.18			0.20 - 0.30	B3		
								0.30	D4		
								0.50	D7		
								0.50	ES6		
								0.50 - 0.70	B16		
Structureless CHALK composed of off-white, subangular, medium to coarse GRAVEL with medium cobble content. Clasts are very weak to weak, low to medium-density with rare orangish brown staining and rare black specks. (ZIG ZAG CHALK FORMATION ? , Grade Dc - with possible structured zones)				2.00	18.18			1.00	D10	1	
								1.00	ES8		
								1.00 - 1.20	B9		
								1.50	D11		
								2.00	D13	2	
								2.00 - 2.20	B12		
								2.50	D14		
EOH at 3.00m - Target depth achieved.				3.00	17.18			3.00	D15	3	
										4	
										5	
Observations / Remarks									Geneva Building, Nottingham, NG15 0ED 01623 684550		
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.									Project Number 784-B025563		

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 546870.00 Northing: 253326.00 Level: 21.94mAOD Depth: 3.00m Logger: DJ Type: TP				Status FINAL		Pit Number TP-PTR-12		
	Location: Cambridge								Sheet 1 of 1		
	Client: Greater Cambridge Partnership										
	Hole Information		Groundwater						Scale: 1:25		
	Pit Dimensions	Orientation: 231°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
		Shoring: None Stability: Stable Plant: Machine Excavated					Approved By: CP Start Date: 08/04/2021 Finish Date: 08/04/2021				
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
								Depth (m)	Ref	Tests / Results	
MADE GROUND: Grass over soft brown, slightly gravelly, sandy CLAY with frequent rootlets. Sand is fine to medium. Gravel is subangular, fine to coarse, flint and chalk. (TOPSOIL) MGR(TS)				0.45	21.49			0.10	ES1		
								0.20	ES2		
								0.20 - 0.30	B		
Structureless CHALK composed of white, silty, subangular, fine to coarse GRAVEL with low-cobble content. Clasts are very weak, low-density with occasional orangish brown staining and black specks. Matrix is silty white chalk. (ZIG ZAG CHALK FORMATION ?, Grade Dc)				0.45	21.49			0.50	D		
								0.50	ES3		
								1.00	D		
				1.50	20.44			1.00	D		
								1.00	ES4		
								1.00 - 1.20	B		
Structureless CHALK composed of off-white subangular, medium to coarse GRAVEL with medium cobble content and low boulder content. Clasts are very weak to weak, low to high-density with occasional orangish brown staining and black specks. Rare fragments of angular flint. (ZIG ZAG CHALK FORMATION ?, Grade Dc - with possible structured zones)				1.50	20.44			1.50	D		
								2.00	D		
								2.20	B		
				1.50	20.44			2.50	D		
								2.00	D		
								2.20	B		
EOH at 3.00m - Target depth achieved.				3.00	18.94			3.00	D		
								3.00	D		
								3.00	D		
				3.00	18.94			3.00	D		
								3.00	D		
								3.00	D		
				3.00	18.94			3.00	D		
								3.00	D		
								3.00	D		
				3.00	18.94			3.00	D		
								3.00	D		
								3.00	D		
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				3.00	18.94			3.00	D		
								3.00	D		
								3.00	D		

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 547145.00 Northing: 253204.00 Level: 25.76mAOD Depth: 3.10m Logger: AU Type: TP				Status FINAL		Pit Number TP-PTR-14	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
	Hole Information		Groundwater					Scale: 1:25		
	Orientation: 132°		Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
	Shoring: None Stability: Stable Plant: Machine Excavated						Approved By: CP Start Date: 14/04/2021 Finish Date: 14/04/2021			
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
<p>MADE GROUND: Soft to firm dark brown, sandy, gravelly CLAY with abundant rootlets. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse flint and chalk with plastic fragments. (TOPSOIL) MGR(TS)</p> <p>MADE GROUND: Firm brown, sandy, gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse flint and chalk. (TOPSOIL) MGR(TS)</p> <p>Structureless CHALK composed of milky-white, slightly sandy, gravelly SILT. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse chalk. (ZIG ZAG CHALK FORMATION ? , Grade Dm)</p>				0.20	25.56			0.00 - 0.10	ES1	
								0.20 - 0.30	ES2	
				0.50	25.26			0.50 - 0.60	ES3	
								1.00 - 1.20 1.00 - 1.20 1.00 - 1.20	B D ES4	
<p>Structureless CHALK composed of milky-white, slightly sandy, silty, angular to subangular, fine to coarse GRAVEL with grey and brown staining. Clasts are low-density. (ZIG ZAG CHALK FORMATION ? , Grade Dc)</p>				2.00	23.76			1.50 - 1.60	D	
								2.00 - 2.10 2.00 - 2.30	D B	
								2.50 - 2.60	D	
								3.00 - 3.10 3.00 - 3.10	B D	
EOH at 3.10m - Target depth achieved.				3.10	22.66					
										</

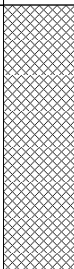
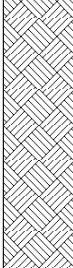
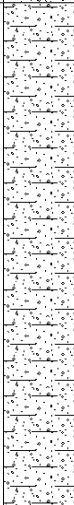
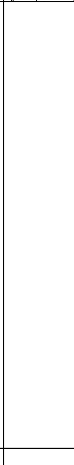
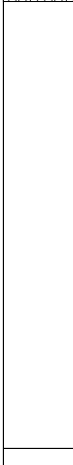
<div><div>Tt</div><div>TETRA TECH</div></div>	Project: Cambridge South East Transport – Phase 2	Location Details				Status		Pit Number		
	Location: Cambridge	Easting: 547314.00 Northing: 253065.00 Level: 27.85mAOD Depth: 4.00m Logger: DJ Type: TP				FINAL		TP-PTR-16		
	Client: Greater Cambridge Partnership							Sheet 1 of 1		
<div><div></div><div>1.00m</div><div>2.00m</div></div>	Hole Information		Groundwater				Scale: 1:25			
	Orientation: 139° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
						Approved By: CP				
					Start Date: 08/04/2021			Finish Date: 08/04/2021		
Strata Description		Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
							Depth (m)	Ref	Tests / Results	
MADE GROUND: Grass over soft to firm brown, slightly gravelly, very sandy, silty CLAY with abundant rootlets. Sand is fine to coarse. Gravel is subangular, fine to coarse flint and chalk. (TOPSOIL) MGR(TS)			0.40	27.45			0.10	ES		
Soft to firm light brown, slightly gravelly, very sandy, silty CLAY. Sand is fine to coarse. Gravel is subangular, fine to coarse flint and chalk. (ALLUVIUM) ALV(C)							0.20 0.20 - 0.30 0.30	ES B D		
Structureless CHALK composed of off-white, silty, subangular, fine to coarse GRAVEL with a low cobble content. Clasts are very weak, low-density, with occasional orangish brown staining and rare lack specks. Matrix is silty white chalk. (ZIG ZAG CHALK FORMATION ? , low density, Grade Dc)			0.65	27.20			0.50 0.50	D ES		
							1.00 1.00 1.00 - 1.20	D ES B		
Structureless CHALK composed of off-white, silty, subangular, medium to coarse GRAVEL with medium cobble content. Clasts are very weak to weak, low to medium-density with occasional orangish brown staining and black specks. Rare fragments of angular medium flint. (ZIG ZAG CHALK FORMATION ? , Grade Dc ? - with possible zones of structured chalk)			1.50	26.35			1.50	D		
							2.00 2.00 - 2.20	D B		
							2.50	D		
							3.00 3.00 - 3.20	D B		
							3.50	D		
							4.00	B		
EOH at 4.00m - Target depth achieved.			4.00	23.85			4.00	B		

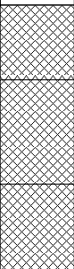
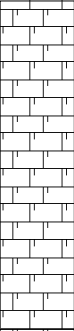
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 547848.00 Northing: 252349.00 Level: 22.65mAOD Depth: 3.20m Logger: AU Type: TP				Status FINAL		Pit Number TP-PTR-22	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
<div><div></div><div>0.60m</div><div>3.20m</div></div>	Hole Information		Groundwater						Scale: 1:25	
	Orientation: 0° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
						Approved By: CP				
						Start Date: 13/04/2021				
						Finish Date: 13/04/2021				
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
								Depth (m)	Ref	Tests / Results
MADE GROUND: Grass over dark brown ,sandy, gravelly CLAY with abundant rootlets. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse flint and chalk with plastic fragments. (TOPSOIL) MGR(TS) Firm brown, very sandy, slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse flint and chalk. (ALLUVIUM) ALV(C)				0.20	22.45			0.00 - 0.10	ES	
								0.20 - 0.30	ES	
								0.50 - 0.60 0.50 - 0.60	D ES	
Structureless CHALK composed of off-white sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse chalk with brown staining. (ZIG ZAG CHALK FORMATION ? , Grade Dm)				0.70	21.95			1.00 - 1.10 1.00 - 1.10	D ES	1
								1.50 - 1.60 1.50 - 1.60	D ES	
Structureless CHALK composed of off-white, sandy, silty, angular to subangular, fine to coarse GRAVEL with brown and grey staining. Clasts are medium-density. (ZIG ZAG CHALK FORMATION ? , Grade Dc)				2.00	20.65			2.00	D	2
								2.50	D	
								3.00	D	
EOH at 3.20m - Target depth achieved				3.20	19.45					3
										4
										5
Observations / Remarks									Geneva Building, Nottingham, NG15 0ED 01623 684550	
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.									Project Number 784-B025563	

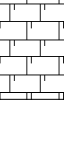
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 547859.00 Northing: 252249.00 Level: 21.42mAOD Depth: 4.00m Logger: DJ Type: TP				Status FINAL		Pit Number TP-PTR-23		
	Location: Cambridge								Sheet 1 of 1		
	Client: Greater Cambridge Partnership										
	Hole Information		Groundwater				Scale: 1:25				
	Pit Dimensions <div><div></div><div>1.00m</div><div>2.00m</div></div>	Orientation: 308° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
							Approved By: CP				
							Start Date: 30/03/2021				
							Finish Date: 30/03/2021				
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
								Depth (m)	Ref	Tests / Results	
MADE GROUND: Grass over soft brown, slightly gravelly, sandy CLAY with frequent rootlets. Sand is fine to coarse. Gravel is subangular, fine to medium flint. (TOPSOIL) MGR(TS) Soft orangish brown, slightly gravelly, very sandy CLAY. Sand is fine to medium. Gravel is angular to subangular, fine to coarse flint and chalk. (ALLUVIUM) ALV(C)				0.30	21.12			0.10	ES1		
								0.20	ES2		
								0.20 - 0.30	B4		
								0.30	D3		
Soft light brown, slightly sandy, very gravelly CLAY. Sand is fine to coarse. Gravel is subangular, fine to coarse chalk and flint. (ALLUVIUM) ALV(C)				1.10	20.32			0.50	D5	1	
Structureless CHALK composed of silty, subangular, fine to coarse GRAVEL with medium cobble content. Clasts are very weak, low-density with occasional black specks and rare orangish brown staining. Matrix is greyish white chalk. Rare fragments of angular, fine to medium flint. (ZIG ZAG CHALK FORMATION ?, Grade Dc)				2.20	19.22			1.00	D6		
								1.10 - 1.20	B7		
								1.30	ES8		
								1.50	D9		
								2.00	D11	2	
								2.00 - 2.30	B10		
								2.50	D12		
								3.00	D13	3	
								3.00 - 3.10	B14		
								3.50	D15		
EOH at 4.00m - Target depth achieved.				4.00	17.42			4.00	D16	4	
										5	
Observations / Remarks									Geneva Building, Nottingham, NG15 0ED 01623 684550		
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.									Project Number 784-B025563		

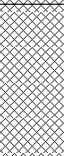
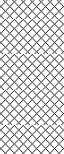
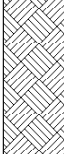
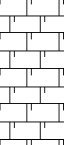
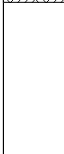
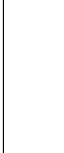
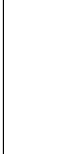
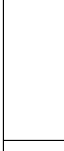
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 547892.00 Northing: 252075.00 Level: 20.52mAOD Depth: 3.00m Logger: DJ Type: TP				Status FINAL		Pit Number TP-PTR-25 Sheet 1 of 1		
	Location: Cambridge		Groundwater				Scale: 1:25 Checked By: RT Approved By: CP Start Date: 07/04/2021 Finish Date: 07/04/2021				
	Client: Greater Cambridge Partnership										
Hole Information		Groundwater									
Pit Dimensions		Orientation: 311°		Strike (m)	Rose To (m)	After (mins)	Remarks				
<div><div></div><div>1.00m</div><div>2.00m</div></div>		Shoring: None Stability: Stable Plant: Machine Excavated									
Strata Description				Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Grass over soft to firm brown, slightly gravelly, sandy CLAY with frequent rootlets. Sand is fine to medium. Gravel is subangular, fine to coarse flint and chalk. (TOPSOIL) MGR(TS)					0.40	20.12			Depth (m)	Ref	Tests / Results
									0.10 ES 0.20 ES 0.30 D B 0.30 - 0.40 B		
Structureless CHALK composed of off-white, sandy, silty, subangular, fine to coarse GRAVEL with low cobble content. Clasts are very weak, low-density, with occasionally orangish brown staining and rare black specks. (ZIG ZAG CHALK FORMATION ? , Grade Dc)					1.00	19.52			0.50 D ES 0.50 ES 0.80 - 1.00 B		
Structureless CHALK with possible zones of structured chalk, recovered as silty, subangular, medium to coarse GRAVEL with a medium cobble content. Clasts are very weak to weak, low to medium-density with occasional black specks and rare orangish brown staining. Rare fragments of angular fine to medium flint. (ZIG ZAG CHALK FORMATION ? , low density, Grade Dc ?)									1.00 D ES B 1.00 - 1.10 B 1.50 D 2.00 D B 2.00 - 2.20 B 2.50 D 3.00 D		
EOH at 3.00m - Target depth achieved.					3.00	17.52			3.00 D		
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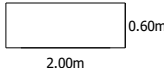
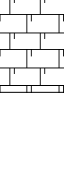
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 548027.00 Northing: 251807.00 Level: 20.31mAOD Depth: 3.00m Logger: Type: TP				Status FINAL		Pit Number TP-PTR-27	
	Location: Cambridge								Sheet 1 of 1	
	Client: Greater Cambridge Partnership									
	Hole Information		Groundwater						Scale: 1:25	
	Pit Dimensions	Orientation: 90°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
		Shoring: None					Approved By: CP			
	Stability: Good					Start Date: 24/02/2021				
	Plant: 8T 360 Tracked					Finish Date: 24/02/2021				
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
								Depth (m)	Ref	Tests / Results
MADE GROUND: Crop over Soft brown gravelly silty very sandy CLAY. Frequent rootlets. Sand is fine and medium. Gravel is sub-angular fine to coarse flint and chalk. (TOPSOIL) MGR(TS)				0.30	20.01			0.00 - 0.20	ES1	
Firm orange brown slightly gravelly sandy very silty CLAY with occasional flint cobbles. Sand is fine to medium. Gravel is fine to coarse, sub-angular flint and occasional chalk. (ALLUVIUM) ALV(C)								0.10 - 0.30	B5	
Structureless CHALK composed of slightly clayey gravelly SILT with low cobble content. Chalk gravel is weak, high-density, fine to coarse, sub-angular with occasional orange staining on surfaces. Occasional flint gravel and cobbles. Frequent pockets of orangish brown clayey silty sand with round pebbles. (ZIG ZAG CHALK FORMATION ? , Grade Dm)				0.55	19.76			0.20	D1	
								0.30 - 0.50	B2	
								0.50	D2	
								0.50	ES2	
								1.00	B3	
								1.00	D3	
								1.00	ES3	
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										

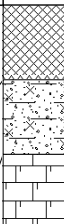
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 548623.00 Northing: 250890.00 Level: 18.91mAOD Depth: 3.50m Logger: RT Type: TP				Status FINAL		Pit Number TP-PTR-31 Sheet 1 of 1	
	Location: Cambridge		Groundwater				Remarks		Scale: 1:25	
	Client: Greater Cambridge Partnership								Checked By: RT	
<div><div></div><div>1.00m</div><div>3.20m</div></div>	Hole Information		Strike (m)		Rose To (m)		After (mins)		Approved By: CP	
	Orientation: 20°								Start Date: 07/05/2021	
	Shoring: None								Finish Date: 07/05/2021	
Stability: Unstable										
Plant: Machine Excavated										
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Soft brown slightly gravelly slightly organic slightly clayey SILT with rootlets. Gravel is angular to sub-angular fine to medium flint. (TOPSOIL) MGR(TS)								Depth (m)	Ref	Tests / Results
Very soft (damp) grey mottled orangish brown, slightly gravelly, very sandy, silty CLAY with dark grey pockets/layers of amorphous PEAT. Sand is fine to medium. (ALLUVIUM) ALV(C)				0.90	18.01			0.10	ES1	
								0.20	ES2	
								0.50	D	
								0.50	ES3	
								0.50 - 0.90	B	
Medium dense grey mottled orangish brown, clayey, slightly gravelly fine to medium SAND with boulder size pockets of soft orangish brown very sandy silty CLAY. Gravel is sub-angular to sub-rounded fine to coarse flint. (ALLUVIUM) ALV(G)				1.80	17.11			0.90	D	
								1.00	ES4	
								1.20 - 1.40	B	
								1.50	D	
								1.80	D	
EOH at 3.50m - Target depth achieved				3.50	15.41			2.20 - 2.40	B	
								2.80 - 3.00	B	
								3.00	D	
Observations / Remarks			Geneva Building, Nottingham, NG15 0ED 01623 684550							
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.			Project Number 784-B025563							

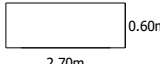
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 548701.00 Northing: 250825.00 Level: 19.52mAOD Depth: 3.00m Logger: Type: TP				Status FINAL		Pit Number TP-PTR-32	
	Location: Cambridge		Groundwater Strike (m) Rose To (m) After (mins) Remarks						Scale: 1:25	
	Client: Greater Cambridge Partnership								Checked By: RT	
Hole Information Pit Dimensions <div><div></div><div>1.05m</div><div>4.05m</div></div> Orientation: 0° Shoring: None Stability: Stable Plant: Machine Excavated									Approved By: CP	
									Start Date: 23/04/2021	
									Finish Date: 23/04/2021	
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
								Depth (m)	Ref	Tests / Results
<p>MADE GROUND: Soft dark brown, slightly sandy, gravelly SILT/CLAY. Sand is fine to medium. Gravel is angular to sub-rounded flint, sandstone and occasional chalk. Abundant rootlets throughout. Low cobble content. (TOPSOIL) MGR(TS)</p> <p>Medium dense light to dark brownish grey, slightly sandy, clayey GRAVEL with pockets of brown, very gravelly, very sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular flint with plastic and brick fragments. (MADE GROUND)</p> <p>MADE GROUND: Firm dark bluish grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to coarse chalk, with sandstone, limestone and brick fragments. MGR(C)</p>				0.25	19.27			0.20	B	
								0.20	D	
								0.50	B	
								0.50	D	
								0.50	ES3	
<p>Structureless CHALK composed of mottled orangish light brown/grey, silty, gravelly SAND. Gravel is angular to subrounded, very weak chalk with flint. Sand is fine to coarse. (ZIG ZAG CHALK FORMATION ? , Grade Dm)</p>				1.70	17.82			1.00	B	
								1.00	D	
								1.00	ES4	
								1.50	D	
								2.00	B	
<p>Structureless CHALK composed of light greyish white, sandy gravelly SILT. Sand is fine to coarse. Gravel is angular to sub-rounded, fine to coarse, chalk with rare flint. (ZIG ZAG CHALK FORMATION ? , Grade Dm)</p> <p>EOH at 3.00m - Target depth achieved.</p>				2.80	16.72			2.80	B	
								3.00	D	

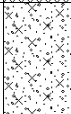
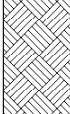
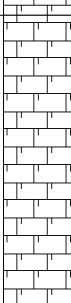
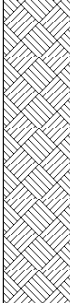
	Project: Cambridge South East Transport – Phase 2		Location Details				Status		Pit Number	
	Location: Cambridge		Easting: 549262.00 Northing: 250419.00 Level: 22.65mAOD Depth: 3.00m Logger: DC Type: TP				FINAL		TP-PTR-37	
	Client: Greater Cambridge Partnership								Sheet 1 of 1	
	Hole Information		Groundwater					Scale: 1:25		
	Pit Dimensions <div><div></div><div>1.05m</div><div>3.80m</div></div>	Orientation: 0° Shoring: None Stability: Stable Plant: Machine Excavated	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT			
			3.00	3.00	20		Approved By: CP			
						Start Date: 14/04/2021				
						Finish Date: 14/04/2021				
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Firm dark brown, sandy, gravelly CLAY. Sand is fine to medium. Gravel is angular to subrounded, fine to coarse flint and chalk. (TOPSOIL) MGR(TS)				0.40	22.25			Depth (m)	Ref	Tests / Results
								0.10	ES1	
Structureless CHALK composed of white, very sandy, gravelly SILT. Sand is fine to medium. Gravel is angular to subangular, fine to coarse chalk. (ZIG ZAG CHALK FORMATION ? , Grade Dm)								0.20	ES2	
								0.40	B	
Structureless CHALK composed of white to light grey, sandy, gravelly SILT. Sand is fine to medium. Gravel is angular to subrounded, fine to coarse flint and very weak, high-density chalk. (ZIG ZAG CHALK FORMATION ? , Grade Dm) <i>...from 1.00m to 2.00m bgl: becoming very sandy.</i>				1.00	21.65			0.40	D	
								0.50	ES3	
								0.90 - 1.00	B	
								1.00	D	
								1.00	ES4	
								1.00		
								1.50	D	
								2.00	B	
								2.00	D	
								2.00		
								2.50	D	
								2.50		
EOH at 3.00m - Target depth achieved.				3.00	19.65			3.00	B	
								3.00	D	
								3.50	D	
								3.50		
								4.00	B	
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								4.00	D	
								4.00		
								4.00	B	
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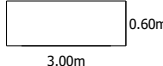
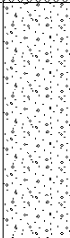
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 549825.00 Northing: 250041.00 Level: 26.82mAOD Depth: 3.00m Logger: DJ Type: TP				Status FINAL		Pit Number TP-SRS-02 Sheet 1 of 1																				
	Location: Cambridge		<table><thead><tr><th colspan="3">Hole Information</th><th colspan="4">Groundwater</th></tr><tr><th>Pit Dimensions</th><th>Orientation: 120°</th><th>Strike (m)</th><th>Rose To (m)</th><th>After (mins)</th><th>Remarks</th></tr></thead><tbody><tr><td><div><div></div><div>1.00m</div><div>2.00m</div></div></td><td>Shoring: None Stability: Stable Plant: Machine Excavated</td><td></td><td></td><td></td><td></td></tr></tbody></table>						Hole Information			Groundwater				Pit Dimensions	Orientation: 120°	Strike (m)	Rose To (m)	After (mins)	Remarks	<div><div></div><div>1.00m</div><div>2.00m</div></div>	Shoring: None Stability: Stable Plant: Machine Excavated					Scale: 1:25 Checked By: RT Approved By: CP Start Date: 25/03/2021 Finish Date: 25/03/2021	
	Hole Information								Groundwater																				
Pit Dimensions	Orientation: 120°	Strike (m)	Rose To (m)	After (mins)	Remarks																								
<div><div></div><div>1.00m</div><div>2.00m</div></div>	Shoring: None Stability: Stable Plant: Machine Excavated																												
Client: Greater Cambridge Partnership																													
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing																					
								Depth (m)	Ref	Tests / Results																			
MADE GROUND: Grass over soft brown, slightly gravelly, sandy CLAY with frequent rootlets. Sand is fine to coarse. Gravel is subangular, fine to medium flint and chalk. (TOPSOIL) MGR(TS)				0.45	26.37			0.10	D																				
								0.20 - 0.40	D																				
MADE GROUND: Firm brown mottled light brown, very gravelly, very sandy CLAY. Gravel comprises angular to subangular, flint and chalk. Sand is fine to medium. MGR(C)				1.00	25.82			0.50	D																				
								0.50 - 0.60	B																				
MADE GROUND: Firm brown mottled orangish brown, sandy, gravelly CLAY. Sand is fine to medium. Gravel is angular fine to coarse flint and chalk with concrete, and tarmac fragments. MGR(C)				2.30	24.52			1.00	D	1																			
								1.00 - 1.10	B																				
				3.00	23.82			1.10	ES																				
								1.50	B																				
				2.00	24.08			1.50	D	2																			
								1.60	ES																				
EOH at 3.00m - Target depth achieved.				3.00	23.82			2.00	D	3																			
								2.00 - 2.10	B																				
				3.00	23.82			2.50	D	4																			
								2.50	ES																				
				3.00	23.82			3.00	D	5																			
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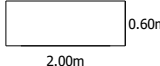
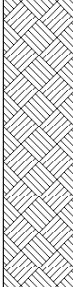
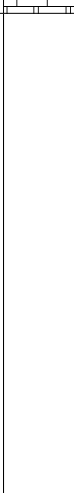
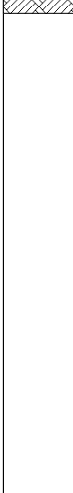
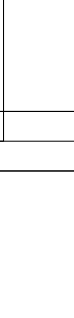
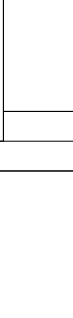
	Project: Cambridge South East Transport – Phase 2	Location Details Easting: 551850.00 Northing: 249611.00 Level: 29.14mAOD Depth: 3.00m Logger: TJB Type: TP				Status FINAL		Pit Number TP-TH-02 Sheet 1 of 1						
	Location: Cambridge	Hole Information Pit Dimensions:  0.60m 2.00m Orientation: 315° Shoring: None Stability: Stable Plant: Wheeled Hydraulic Excavator				Groundwater Strike (m) Rose To (m) After (mins) Remarks				Scale: 1:25 Checked By: RT Approved By: CP Start Date: 22/04/2021 Finish Date: 22/04/2021				
	Client: Greater Cambridge Partnership													
Strata Description		Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing Depth (m) Ref Tests / Results							
MADE GROUND: Firm dark brown, slightly gravelly, very sandy CLAY. Sand is fine. Gravel is subrounded, fine, friable claystone. (TOPSOIL) MGR(TS)			0.75	28.39			0.10	ES1						
							0.20	ES2						
							0.50	D ES3						
Structureless CHALK composed of white, gravelly SILT with orangish brown staining. Gravel is subangular, fine to medium, extremely weak chalk. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ?, Grade Dm)			0.75	28.39			1.00	B	1					
							1.00	D						
							1.00	ES4						
Structureless CHALK composed of white, silty, subangular to subrounded, fine to coarse GRAVEL and COBBLES of weak, low-density chalk. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ?, Grade Dc) <i>...from 1.50m to 1.70m bgl: layer of dense subrounded, fine to coarse flint GRAVEL.</i>			1.40	27.74			1.50	D						
							2.00	B						
							2.00	D						
<i>...from 2.00m bgl: low cobble content.</i>			1.40	27.74			2.50	D	2					
							3.00	B						
							3.00	D						
EOH at 3.00m - Target depth achieved.			3.00	26.14			3.00	B	3					
							3.00	D						
									4					
									5					
Observations / Remarks								Geneva Building, Nottingham, NG15 0ED 01623 684550						
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.								Project Number 784-B025563						

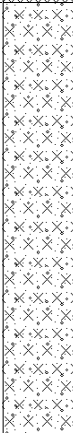
	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 551885.00 Northing: 249620.00 Level: 29.44mAOD Depth: 3.00m Logger: GD Type: TP				Status FINAL		Pit Number TP-TH-03		
	Location: Cambridge		<div>Groundwater</div> <div>Strike (m)</div> <div>Rose To (m)</div> <div>After (mins)</div> <div>Remarks</div>						Sheet 1 of 1		
	Client: Greater Cambridge Partnership								Scale: 1:25 Checked By: RT Approved By: CP Start Date: 16/04/2021 Finish Date: 16/04/2021		
<div>Hole Information</div> <div>Pit Dimensions</div> <div><div></div><div>0.60m</div><div>2.30m</div></div> <div>Orientation: 0° Shoring: None Stability: Stable Plant: Wheeled Hydraulic Excavator</div>											
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
								Depth (m)	Ref	Tests / Results	
<p>MADE GROUND: Crop over dark brown slightly clayey slightly silty gravelly, fine to coarse SAND with abundant rootlets. Gravel is subangular to subrounded fine to coarse flint. (TOPSOIL)</p> <p>MGR(TS)</p> <p>Medium dense orangish brown slightly clayey slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)</p> <p>RTD</p> <p>Structureless CHALK composed of brownish white sandy gravelly SILT. Gravel is weak to very weak, low to medium-density with rare flint. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dc)</p>				0.25	29.19			0.10	ES1		
								0.20	ES2		
								0.35	D1		
								0.35	ES3		
								0.50	D2		
								0.50	ES4		
								1.00	B1		
								1.00	D		
								1.00	D3		
								1.00	ES5		
<p>Structureless CHALK composed of slightly silty sandy angular to subangular, fine to coarse GRAVEL with low cobble content. Clasts are medium weak, low-density with rare black specks. Rare fragments of angular fine to coarse flint. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dc)</p>				2.00	27.44			1.50	D	1	
								1.50	D4		
								2.00	B2		
								2.00	D5		
<p>EOH at 3.00m - Target depth achieved.</p>				3.00	26.44			2.50	D	2	
								2.50	D6		
				3.00	26.44			3.00	B3	3	
								3.00	D		
								3.00	D7		
				3.00	26.44			3.00	B3	4	
								3.00	D		
				3.00	26.44			3.00	B3	5	
								3.00	D		
Observations / Remarks								Geneva Building, Nottingham, NG15 0ED 01623 684550			
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.								Project Number 784-B025563			

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 551832.00 Northing: 249689.00 Level: 28.50mAOD Depth: 3.00m Logger: CE Type: TP				Status FINAL		Pit Number TP-TH-04		
	Location: Cambridge								Sheet 1 of 1		
	Client: Greater Cambridge Partnership										
	Hole Information		Groundwater						Scale: 1:25		
	Pit Dimensions	Orientation: 0°	Strike (m)	Rose To (m)	After (mins)	Remarks	Checked By: RT				
		Shoring: None					Approved By: CP				
2.70m	Stability: Stable					Start Date: 23/04/2021					
	Plant: Machine Excavated					Finish Date: 23/04/2021					
Strata Description		Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing				
							Depth (m)	Ref	Tests / Results		
MADE GROUND: Crop over friable brown gravelly sandy SILT. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse flint and chalk. (TOPSOIL) MGR(TS)			0.30	28.20			0.10	ES1			
							0.20	ES2			
Medium dense orangish brown very sandy very silty, gravelly CLAY. Sand is fine to medium. Gravel is sub-angular to sub-rounded, fine to coarse flint. (ALLUVIUM) ALV(C)							0.50	ES3			
Structureless CHALK composed of light greyish brown and brown, slightly gravelly, fine to medium SAND. Gravel is sub-angular to rounded, fine to coarse chalk and flint. (Weathered HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ?, Grade Dm)			0.80	27.70			1.00	B	1		
							1.00	D			
							1.00	ES4			
			1.80	26.70			1.50	D	2		
							2.00	B			
Structureless CHALK composed of slightly sandy silty GRAVEL. Gravel is sub-angular, fine to coarse, very weak to weak, low-density, with orangish brown staining. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ?, Grade Dc)							2.00	D			
EOH at 3.00m - Target depth achieved.			3.00	25.50			3.00	B	3		
							3.00	D			
									4		
									5		
Observations / Remarks										Geneva Building, Nottingham, NG15 0ED	
1. Groundwater not encountered.										01623 684550	
2. Upon completion exploratory hole backfilled with arisings.										Project Number	
										784-B025563	

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 551902.00 Northing: 249753.00 Level: 29.38mAOD Depth: 3.00m Logger: CE Type: TP				Status FINAL		Pit Number TP-TH-06 Sheet 1 of 1		
	Location: Cambridge		Groundwater				Scale: 1:25 Checked By: RT Approved By: CP Start Date: 22/04/2021 Finish Date: 22/04/2021				
	Client: Greater Cambridge Partnership										
Hole Information		Groundwater									
Pit Dimensions		Orientation: 0°		Strike (m)	Rose To (m)	After (mins)	Remarks				
		Shoring: None Stability: Stable Plant: Machine Excavated									
Strata Description				Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
									Depth (m)	Ref	Tests / Results
MADE GROUND: Crop over brown slightly gravelly sandy SILT. Sand is fine. Gravel is angular to subrounded, fine to coarse flint. (TOPSOIL) MGR(TS)					0.30	29.08			0.10	ES1	
									0.20	ES2	
Medium dense orangish brown, slightly gravelly, silty, fine to medium SAND. Gravel is subangular, fine to coarse flint. (RIVER TERRACE DEPOSITS) RTD					0.70	28.68			0.50	ES3	
Structureless CHALK composed of white slightly gravelly silty fine to medium SAND. Gravel is subangular, fine to medium chalk. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ?, Grade Dm)					2.00	27.38			1.00	B	1
									1.00	D	
									1.00	ES4	
									1.50	D	
Structureless CHALK composed of slightly sandy silty, subangular, fine to coarse GRAVEL. Clasts are very weak, low-density chalk. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ?, Grade Dc)					2.00	27.38			2.00	B	2
									2.00	D	
									2.50	D	
EOH at 3.00m - Target depth achieved.					3.00	26.38			3.00	B	3
									3.00	D	
					3.00	26.38					4
					3.00	26.38					5
Observations / Remarks									Geneva Building, Nottingham, NG15 0ED 01623 684550		
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.									Project Number 784-B025563		

	Project: Cambridge South East Transport – Phase 2	Location Details Easting: 551894.00 Northing: 249874.00 Level: 29.59mAOD Depth: 3.00m Logger: TJB Type: TP				Status FINAL		Pit Number TP-TH-07 Sheet 1 of 1	
	Location: Cambridge	Groundwater				Scale: 1:25		Checked By: RT	
	Client: Greater Cambridge Partnership	Strike (m) Rose To (m) After (mins) Remarks				Approved By: CP		Start Date: 28/04/2021	
	Hole Information						Finish Date: 28/04/2021		
	Pit Dimensions 	Orientation: 0° Shoring: None Stability: Stable Plant: Machine Excavated							
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing	
								Depth (m)	Ref
MADE GROUND: Crop over light brown sandy CLAY with abundant rootlets. (TOPSOIL) MGR(TS)				0.30	29.29			0.10	ES1
								0.20	ES2
								0.50	B ES3
Medium dense light brown, very clayey, slightly gravelly fine to medium SAND. Gravel is subangular, fine to medium flint and chalk. (RIVER TERRACE DEPOSITS) RTD				1.10	28.49			1.00	B D ES4
								1.00	D
								1.00	ES4
Structureless CHALK composed of white silty, subrounded, fine to coarse GRAVEL. Clasts are weak low-density. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dc)				1.10	28.49			1.50	D
								2.00	B D
								2.00	D
EOH at 3.00m - Target depth achieved				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.59			3.00	B D
								3.00	D
								3.00	D
				3.00	26.5				

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 551940.00 Northing: 249987.00 Level: 30.44mAOD Depth: 3.00m Logger: TJB Type: TP				Status FINAL		Pit Number TP-TH-10 Sheet 1 of 1			
	Location: Cambridge		Groundwater				Scale: 1:25 Checked By: RT Approved By: CP Start Date: 20/04/2021 Finish Date: 20/04/2021					
	Client: Greater Cambridge Partnership											
Hole Information		Groundwater										
Pit Dimensions		Orientation: 0°		Strike (m)	Rose To (m)	After (mins)	Remarks					
		Shoring: None Stability: Stable Plant: Wheeled Hydraulic Excavator										
Strata Description				Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing			
MADE GROUND: Crop over dark brown, slightly gravelly, sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded, fine flint. (TOPSOIL) MGR(TS)					0.30	30.14			Depth (m)	Ref	Tests / Results	
									0.10	ES1		
Structureless CHALK composed of white, slightly silty, sandy, subangular to subrounded, fine to coarse GRAVEL. Clasts are low-density with flint. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dc)					0.30	30.14			0.20	ES2		
									0.50	D		
									0.50	ES3		
									1.00	B		
Structureless CHALK composed of silty, angular to subangular, fine to coarse GRAVEL. Clasts are weak, low-density, white. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dc)					1.30	29.14			1.00	D		
									1.00	ES4		
									1.50	D		
									2.00	B		
EOH at 3.00m - Target depth achieved.					3.00	27.44			2.00	D		
									2.50	D		
					3.00	27.44			3.00	B		
									3.00	D		
Observations / Remarks										Geneva Building, Nottingham, NG15 0ED 01623 684550		
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.										Project Number 784-B025563		

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 552020.00 Northing: 250020.00 Level: 30.62mAOD Depth: 3.00m Logger: TJB Type: TP				Status FINAL		Pit Number TP-TH-11 Sheet 1 of 1							
	Location: Cambridge		Groundwater Strike (m) Rose To (m) After (mins) Remarks				Scale: 1:25		Checked By: RT							
	Client: Greater Cambridge Partnership						Approved By: CP		Start Date: 28/04/2021		Finish Date: 28/04/2021					
Hole Information <div><div>Pit Dimensions</div><div><div></div><div>0.60m</div><div>2.40m</div></div></div>		Orientation: 0° Shoring: None Stability: Stable Plant: Machine Excavated														
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing								
								Depth (m)	Ref	Tests / Results						
MADE GROUND: Crop over dark brown sandy CLAY. Sand is fine to medium. (TOPSOIL) MGR(TS)				0.30	30.32			0.10	ES1							
									0.20			ES2				
Firm light brown gravelly sandy SILT. Sand is fine. Gravel is sub-rounded fine to coarse, extremely weak chalk. (Weathered HOLLYWELL CHALK FORMATION ? Grade Dm)				0.30	30.32			0.50	D4							
									0.50			ES3				
									1.00			B5	1.00	D6	1.00	ES7
									1.50			D8				
Structureless CHALK composed of gravelly SILT. Gravel is sub-rounded fine to coarse white chalk. Matrix is light brown. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dm)				1.80	28.82			2.00	B9							
									2.00			D10				
									2.50			D11				
EOH at 3.00m - Target depth achieved				3.00	27.62			3.00	B14							
									3.00			D12				

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 551991.00 Northing: 250018.00 Level: 30.60mAOD Depth: 3.00m Logger: TJB Type: TP				Status FINAL		Pit Number TP-TH-12 Sheet 1 of 1	
	Location: Cambridge		<div>Groundwater</div> <div>Strike (m)</div> <div>Rose To (m)</div> <div>After (mins)</div> <div>Remarks</div>				Scale: 1:25		Checked By: RT	
	Client: Greater Cambridge Partnership						Approved By: CP		Start Date: 20/04/2021	
<div>Pit Dimensions</div> <div><div></div><div>0.60m</div><div>2.00m</div></div>		Orientation: 0° Shoring: None Stability: Stable Plant: Wheeled Hydraulic Excavator						Finish Date: 20/04/2021		
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing		
MADE GROUND: Crop over dark brown, slightly gravelly sandy CLAY with abundant rootlets. Sand is fine to coarse. Gravel is subrounded, fine to medium flint. (TOPSOIL) MGR(TS)				0.30	30.30			0.10	ES1	
								0.10 - 0.20	B ES2	
Structureless CHALK composed of white slightly silty sandy subangular to subrounded, fine to medium GRAVEL. Clasts are extremely weak to weak, low-density, white. Matrix is light brown. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dc)				0.30	30.30			0.30 - 0.50	B	
								0.50	D ES3	
								0.50		
								1.00	B	
Structureless CHALK composed of silty, subangular to subrounded, fine to coarse GRAVEL. Clasts are weak to medium strong, low-density white chalk with flint. Matrix is light brown. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dc)				1.90	28.70			1.00	D ES4	
								1.00		
								1.00		
								1.50	D	
EOH at 3.00m - Target depth achieved.				3.00	27.60			1.90 - 2.00	B	
								2.00	D	
								2.50	D	
								3.00	B	
								3.00	D	
										
										
										
										
										
										
										
										
										
										
										
										
										
										
Observations / Remarks								Geneva Building, Nottingham, NG15 0ED		
1. Groundwater not encountered. 2. Upon completion exploratory hole backfilled with arisings.								01623 684550		
								Project Number 784-B025563		

	Project: Cambridge South East Transport – Phase 2		Location Details Easting: 551975.00 Northing: 250071.00 Level: 31.92mAOD Depth: 3.00m Logger: CE Type: TP				Status FINAL		Pit Number TP-TH-14 Sheet 1 of 1																				
	Location: Cambridge		<table><thead><tr><th colspan="3">Hole Information</th><th colspan="4">Groundwater</th></tr><tr><th>Pit Dimensions</th><th>Orientation: 110°</th><th>Strike (m)</th><th>Rose To (m)</th><th>After (mins)</th><th>Remarks</th></tr></thead><tbody><tr><td><div><div></div><div>0.60m</div></div><div>3.00m</div></td><td>Shoring: None Stability: Stable Plant: Machine Excavated</td><td></td><td></td><td></td><td></td></tr></tbody></table>						Hole Information			Groundwater				Pit Dimensions	Orientation: 110°	Strike (m)	Rose To (m)	After (mins)	Remarks	<div><div></div><div>0.60m</div></div> <div>3.00m</div>	Shoring: None Stability: Stable Plant: Machine Excavated					Scale: 1:25 Checked By: RT Approved By: CP Start Date: 26/04/2021 Finish Date: 26/04/2021	
	Hole Information								Groundwater																				
Pit Dimensions	Orientation: 110°	Strike (m)	Rose To (m)	After (mins)	Remarks																								
<div><div></div><div>0.60m</div></div> <div>3.00m</div>	Shoring: None Stability: Stable Plant: Machine Excavated																												
Client: Greater Cambridge Partnership																													
Strata Description			Legend	Depth (m)	Reduced Level (mAOD)	Water Level (m)	Backfill	Samples and Testing																					
MADE GROUND: Crop over light brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse flint. (TOPSOIL) MGR(TS)				0.30	31.62			Depth (m)	Ref	Tests / Results																			
								0.10	ES1																				
Firm light brown, very gravelly, very sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse chalk and flint. (Weathered HOLLYWELL NODULAR CHALK FORMATION ?)				0.30	31.62			0.20	ES2																				
								0.50	D																				
Structureless CHALK composed of white pale grey, sandy, gravelly SILT. Sand is fine to coarse. Gravel is subangular, fine to coarse, extremely weak to very weak, low-density chalk with occasional brown staining. (HOLLYWELL NODULAR CHALK FORMATION / NEWPIT CHALK FORMATION Undifferentiated ? , Grade Dm)				1.00	30.92			0.50	ES3																				
								1.00	D																				
				1.00	30.92			1.00	B	1																			
								1.00	D																				
				1.00	30.92			1.50	D																				
								2.00	B																				
				2.15	29.77			2.00	D	2																			
								2.50	D																				
				2.15	29.77			2.50	D																				
								3.00	B																				
EOH at 3.00m - Target depth achieved				3.00	28.92			3.00	B	3																			
								3.00	D																				
				3.00	28.92																								
				3.00	28.92																								
				3.00	28.92																								
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