



Appendix C Exploratory Hole Logs and In Situ Testing Results

A2 Site Investigation

Borehole Log

Project

Scours Lane

Borehole No

BH01

Job No

53924

Start

23/09/2024

Ground Level (mOD)

41.38

Co-ordinates (Local Grid)

E 468574.38 N 174270.52

Depth (m)

20.00

Client

Weybourne Limited

Status

FINAL

Standard Penetration Test Summary							
Test Type	Depth Top	Depth Casing	Depth Water	Penetration Total	N60 Value	N Value	Reported Result
C	1.20	0.00		450	13	13	N=13 (2,3/3,3,4,3)
C	2.00	2.00		450	12	12	N=12 (1,2/3,3,3,3)
C	3.00	3.00		450	7	7	N=7 (1,2/1,2,2,2)
C	4.00	4.00		450	8	8	N=8 (2,3/2,1,2,3)
C	5.00	5.00		450	26	26	N=26 (5,6/7,7,6,6)
C	6.50	6.50	5.2	450	18	18	N=18 (2,2/3,4,5,6)
S	8.00	8.00	5.2	450	16	16	N=16 (2,2/3,4,4,5)
S	9.50	9.50	6.1	450	27	27	N=27 (8,8/7,7,6,7)
S	11.00	11.00	6.1	450	18	18	N=18 (4,2/4,4,5,5)
S	12.50	12.50	5.9	450	18	18	N=18 (4,4/3,4,5,6)
S	14.00	14.00	5.9	450	33	33	N=33 (4,5/8,8,8,9)
S	15.50	15.50	5.9	450	45	45	N=45 (7,9/10,11,12,12)
S	17.00	16.00	5.9	450	49	49	N=49 (9,0/12,12,12,13)
S	18.50	16.00	5.9	450	51	51	N=51 (12,14/16,10,12,13)
S	20.00	16.00	5.9	450	48	48	N=48 (8,7/12,10,12,14)

Installation / Instrument Details				
Date	Instr. Type	To (m)	Response Zone (m)	Remarks
25/09/2024	SP	7.60	5.20-7.60	

Chiselling	
Depth (m)	Duration

Water Added	
From	To
4.10	7.60

Boring Progress and Backfill							
Drilling Progress			Water	Casing		Backfill	
Date	Time	Depth (m)	Depth (m)	Depth (m)	Dia (mm)	Depth (m)	Backfill
24/10/2024	09:00	1.20	5.2	16.00	150	0.00 - 0.20	Concrete
24/10/2024	16:00	11.00	6.1			0.20 - 4.75	Bentonite
25/10/2024	08:00	11.00	5.9			4.75 - 7.60	Gravel
25/10/2024	16:00	20.00				7.60 - 9.60	Bentonite
						9.60 - 20.00	Arisings

General Remarks

1. Borehole scanned with GPR, CAT & Genny prior to excavation.

2. Hand excavated inspection pit to 1.20m.

3. Installation: 0.00-4.75m plain pipe, 4.70-7.60m slotted pipe.

4. Groundwater strike encountered at 5.20m bgl, rising to 4.70m bgl after 20 minutes.

Water Observations					
Date/Time	Depth Strike (m)	Depth Casing (m)	Time Elapsed (min)	Depth Sealed (m)	Rose To (m)
25/09/2024 00:00:00	5.20		20		4.70

Keys

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)

AZCL Assumed Zone of Core Loss

U - 100mm Diameter Undisturbed Sample

UT - 100mm Diameter Thin Wall Undisturbed Sample

U38 - 38mm Diameter Undisturbed Sample

D - Disturbed Sample, B-Bulk Sample,

LB - Large Bulk Sample, BLK-Block Sample

C - Core Sample, W-Water Sample, R-Root Sample

TESTS

S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer,

MP - Mackintosh Probe, VOC-Volatile Organic Compound

INSTALLATION DETAILS

SPIE - Standpipe Piezometer

SPGW - Groundwater Monitor Standpipe

SPG/GW - Gas / Groundwater Monitor Standpipe

VWP - Vibrating Wire Piezometer

ICM - Inclinator

Hole Type

IP - Inspection Pit, TP-Trial Pit TT - Trial Trench

CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic

DS - Dynamic Sampling, DS/R-Dynamic Sampling / Rotary

DC - Diamond Coring, CPR-Cable Percussion

Rotary follow on



Borehole Log





Project Scours Lane				Borehole No BH01	
Job No 53924	Start 23/09/2024 End 24/10/2024	Ground Level (mOD) 41.38	Co-Ordinates (Local Grid) E 468574.38 N 174270.52		Depth (m) 20.00
Client Weybourne Limited			SPT Energy Ratio % 60	Sheet Sheet 2 of 4	Status FINAL

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend	Instrument / Backfill
Depth (m)	Type No	Test Result						
6.00	ES 16		Medium dense yellowish brown gravelly slightly clayey fine to coarse SAND. Gravel is angular to subangular fine to coarse of flint. [TAPLOW GRAVEL MEMBER]	(2.75)				
6.50 - 6.95 6.50	SPT B 17	N=18 (2,2/3,4,5,6)						
7.50	D 18		Medium dense brown slightly sandy angular to rounded fine to coarse GRAVEL of flint and chalk. Sand is fine to coarse. [TAPLOW GRAVEL MEMBER]	7.50 (0.10)	33.88 33.78			
8.00 - 8.45 8.00	SPT D 19	N=16 (2,2/3,4,4,5)	7.50 to 7.50m - ... with 4mm cortex on flint 7.50 to 7.60m - ... with low cobble content. Cobble is angular to subangular (up to 50 x 100mm) Structureless CHALK composed of silty angular to subangular fine to coarse GRAVEL with frequent black flint. Clasts are extremely weak, low density, off white. [SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION]					
9.00 9.00	D 20 ES 21		Structureless CHALK composed of silty angular to subangular fine to coarse GRAVEL with frequent black flint. Clasts are very weak to weak, high density, off white, with occasional black specs (up to 1mm).	9.00	32.38			
9.50 - 9.95 9.50	SPT D 22	N=27 (8,8/7,7,6,7)	[SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION]					
10.50	D 23							
11.00 - 11.45 11.00	SPT D 24	N=18 (4,2/4,4,5,5)	Structureless CHALK composed of silty angular to subangular fine to coarse GRAVEL with frequent black flint. Clasts are weak, medium density, off white. [SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION]	11.00	30.38			
12.00	D 25							



Project Scours Lane					Borehole No BH01					
Job No 53924		Start 23/09/2024 End 24/10/2024		Ground Level (mOD) 41.38		Co-Ordinates (Local Grid) E 468574.38 N 174270.52			Depth (m) 20.00	
Client Weybourne Limited					SPT Energy Ratio % 60		Sheet Sheet 3 of 4		Status FINAL	
SAMPLES & TESTS			Stratum Description			Depth (thickness)	Reduced Level	Water	Legend	Instrument / Backfill
Depth (m)	Type No	Test Result								
12.50 - 12.95 12.50	SPT D 26	N=18 (4,4/3,4,5,6)	Structureless CHALK composed of silty angular to subangular fine to coarse GRAVEL with frequent black flint. Clasts are weak, medium density, off white. [SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION]			(3.00)				
13.00	D 27									
14.00 - 14.45 14.00	SPT D 28	N=33 (4,5/8,8,8,9)	Weak medium density off white CHALK recovered as: slightly sandy angular to subangular fine to coarse GRAVEL with frequent black flint. Sand is fine to coarse. [SEAFORD CHALK FORMATION]			14.00	27.38			
15.00 15.00	D 29 ES 30									
15.50 - 15.95 15.50	SPT D 31	N=45 (7,9/10,11,12,12)				(3.00)				
16.00	D 32									
17.00 - 17.45 17.00	SPT D 33	N=49 (9,0/12,12,12,13)	Weak medium density off white CHALK recovered as: angular to subangular fine to coarse GRAVEL with frequent black flint. [SEAFORD CHALK FORMATION]			17.00	24.38			
18.00	D 34									

All dimensions in metres
Scale 1:50

Contractor A2 Site Investigation		Method Cable Percussion		Logged By AN		Approved by JE	
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Borehole Log

[illegible]



Project Scours Lane				Trial Pit No TP01	
Job No 53924	Start 23/09/2024 End 24/10/2024	Ground Level (mOD) 39.99	Co-Ordinates (Local Grid) E 468571.90 N 174303.13		Depth (m) 2.10
Client Weybourne Limited			Sheet Sheet 1 of 1		Status FINAL

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend
Depth (m)	Type No	Test Result					
1.00	ES 1		Soft dark brown gravelly sandy slightly CLAY with frequent rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite. Sand is fine to coarse.	0.00 (0.20)			
			[TOPSOIL]	0.20 (0.20)	39.79		
			Firm light brown gravelly sandy clayey SILT. Gravel is angular to subrounded medium to coarse of flint and brick fragments (up to 130 x 130mm). Sand is fine to coarse.	0.40	39.59		
			[MADE GROUND]				
			Firm light yellowish brown gravelly very sandy clayey SILT. Gravel is angular to rounded fine to coarse of flint and brick fragments (up to 120 x 130mm). Sand is fine to coarse.	(0.70)			
			[MADE GROUND]				
			Black bituminous material surface.	1.10 (0.10)	38.89		
			[MADE GROUND]	1.20	38.79		
			Firm dark orangish brown gravelly sandy clayey SILT with occasional pockets of orange sand (up to 120 x 200mm). Gravel is angular to subangular fine to coarse of flint and brick fragments (up to 30 x 50mm). Sand is fine to coarse.	(0.60)			
			[MADE GROUND]				
			Firm light orangish brown gravelly sandy clayey SILT. Gravel is angular to subangular fine to coarse of flint and brick fragments (up to 15 x 25mm). Sand is fine to coarse.	1.80 (0.30)	38.19		
			[MADE GROUND]				
			End of Pit at 2.10m		37.89		

General Remarks	
1. Pit scanned with GPR, CAT & Genny.	
2. Pit dimensions 1700x500mm.	
3. Pit dry and stable.	
4. Pit terminated at 2.10 m bgl.	
5. INF01 infiltration test carried out in this location.	
6. Pit backfilled with arisings.	

A2 Site Investigation

Borehole Log

Project

Scours Lane

Borehole No

WS01

Job No

53924

Start

24/09/2024

Ground Level (mOD)

39.85

Co-ordinates (Local Grid)

E 468569.22 N 174309.80

Depth (m)

3.00

End

24/10/2024

Client

Weybourne Limited

Status

FINAL

Standard Penetration Test Summary					
Test Type	Depth Top	Depth Casing	Depth Water	N Value	Reported Result
S	1.20			17	N=17 (2,2/5,4,4,4)
S	2.00			4	N=4 (1,1/1,1,1,1)
S	3.00			19	N=19 (2,3/4,5,5,5)

Installation / Instrument Details				
Date	Instr. Type	To (m)	Response Zone (m)	Remarks
25/09/2024	SP	1.70	0.50-1.70	

Dynamic Sampling Runs			
Depth Top	Dia. (mm)	Rec. %	Remarks

Boring Progress and Backfill									
Drilling Progress			Hole Diameter		Casing		Backfill		
Date	Time	Depth(m)	Depth(m)	Dia.(mm)	Depth (m)	Dia(mm)	Depth (m)	Backfill	
24/10/2024	11:00	3.00					0.00 - 0.20	Concrete	
							0.20 - 0.50	Bentonite	
							0.50 - 1.70	Gravel	
							1.70 - 3.00	Bentonite	

Water Observations					
Date/Time	Depth Strike (m)	Depth Casing (m)	Time Elapsed (min)	Depth Sealed (m)	Rose To (m)

General Remarks

1. Borehole scanned with GPR, CAT & Genny prior to excavation.

2. Hand excavated inspection pit to 1.20m.

3. Installation: 0.00-0.50m plain pipe, 0.50-1.70m slotted pipe.

4. No groundwater strikes encountered.

5. DCP01 and DCP02 test carried out in this location at 0.30m bgl and 0.50m bgl.

6. Borehole terminated at scheduled depth.

Keys

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)

AZCL Assumed Zone of Core Loss

U - 100mm Diameter Undisturbed Sample

UT - 100mm Diameter Thin Wall Undisturbed Sample

U38 - 38mm Diameter Undisturbed Sample

D - Disturbed Sample, B-Bulk Sample, LB- Large Bulk Sample, BLK-Block Sample

C - Core Sample, W-Water Sample, R-Root Sample

TESTS

S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compound

INSTALLATION DETAILS

SPIE - Standpipe Piezometer

SPGW - Groundwater Monitor Standpipe

SPG/GW - Gas / Groundwater Monitor Standpipe

VWP - Vibrating Wire Piezometer

ICM - Inclinator

Hole Type

IP - Inspection Pit, TP-Trial Pit TT - Trial Trench

CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic

DS -Dynamic Sampling, DS/R-Dynamic Sampling / Rotary

DC -Diamond Coring, CPR-Cable Percussion Rotary follow on



Project Scours Lane				Borehole No WS01	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 39.85	Co-Ordinates (Local Grid) E 468569.22 N 174309.80		Depth (m) 3.00
Client Weybourne Limited			SPT Energy Ratio % 81	Sheet Sheet 1 of 1	Status FINAL

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend	Instrument / Backfill
Depth (m)	Type No	Test Result						
0.30 0.30	D 1 ES 2	N=17 (2,2/5,4,4,4)	Soft dark brown gravelly slightly sandy slightly CLAY with frequent rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite and siltstone. Sand is fine to coarse. [TOPSOIL]	0.00 (0.30)	39.55			
0.50 0.50	D 3 ES 4		Firm dark and light brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint, quartzite and red brick. Sand is fine to coarse. [MADE GROUND]	0.30				
1.00 1.00	D 5 ES 6			(0.90)				
1.20 1.20	SPT ES 7		Medium dense brown locally dark greyish brown slightly gravelly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint, chalk and red brick. [MADE GROUND]	1.20				
1.50 1.50	D 9 ES 8	N=4 (1,1/1,1,1,1)		(0.50)	38.65			
2.00 2.00 2.00	SPT D 11 ES 10		Soft brown locally mottled grey slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse of flint and chalk. Sand is fine to coarse. [ALLUVIUM]	1.70				
2.50	ES 12		1.70 to 3.00m - ... with rare black organic matter	(1.30)				
3.00	SPT	N=19 (2,3/4,5,5,5)	End of Borehole at 3.00m		36.85			

A2 Site Investigation

Borehole Log

Project Scours Lane				Borehole No WS02	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 38.80	Co-ordinates (Local Grid) E 468591.76 N 174294.05		Depth (m) 3.00
Client Weybourne Limited				Status FINAL	

Standard Penetration Test Summary					
Test Type	Depth Top	Depth Casing	Depth Water	N Value	Reported Result
S	1.20			10	N=10 (3,3/3,3,2,2)
S	2.00			10	N=10 (2,2/3,3,2,2)
S	3.00			4	N=4 (0,1/1,1,1,1)

Installation / Instrument Details				
Date	Instr. Type	To (m)	Response Zone (m)	Remarks
25/09/2024	SP	2.00	0.50-2.00	

Dynamic Sampling Runs			
Depth Top	Dia. (mm)	Rec. %	Remarks

Boring Progress and Backfill									
Drilling Progress			Hole Diameter		Casing		Backfill		
Date	Time	Depth(m)	Depth(m)	Dia.(mm)	Depth (m)	Dia(mm)	Depth (m)	Backfill	
24/10/2024	13:00	3.00					0.00 - 0.20 0.20 - 0.50 0.50 - 2.00 2.00 - 3.00	Concrete Bentonite Gravel Bentonite	

Water Observations					
Date/Time	Depth Strike (m)	Depth Casing (m)	Time Elapsed (min)	Depth Sealed (m)	Rose To (m)

General Remarks

1. Borehole scanned with GPR, CAT & Genny prior to excavation.

2. Hand excavated inspection pit to 1.20m.

3. Installation: 0.00-0.50m plain pipe, 0.50-2.00m slotted pipe.

4. No groundwater strikes encountered.

5. DCP03 and DCP04 test carried out in this location at 0.30m bgl and 0.50m bgl.

6. Borehole terminated at scheduled depth.

Keys

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)

AZCL Assumed Zone of Core Loss

U - 100mm Diameter Undisturbed Sample

UT - 100mm Diameter Thin Wall Undisturbed Sample

U38 - 38mm Diameter Undisturbed Sample

D - Disturbed Sample, B-Bulk Sample, LB- Large Bulk Sample, BLK-Block Sample

C - Core Sample, W-Water Sample, R-Root Sample

TESTS

S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compound

INSTALLATION DETAILS

SPIE - Standpipe Piezometer

SPGW - Groundwater Monitor Standpipe

SPG/GW - Gas / Groundwater Monitor Standpipe

VWP - Vibrating Wire Piezometer

ICM - Inclinator

Hole Type

IP - Inspection Pit, TP-Trial Pit TT - Trial Trench

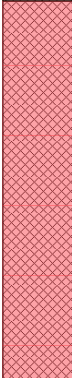
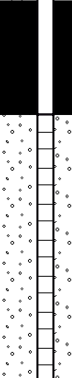
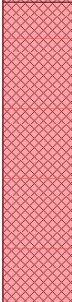
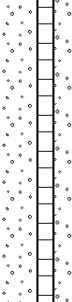
CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic

DS -Dynamic Sampling, DS/R-Dynamic Sampling / Rotary

DC -Diamond Coring, CPR-Cable Percussion Rotary follow on



Project Scours Lane				Borehole No WS02	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 38.80	Co-Ordinates (Local Grid) E 468591.76 N 174294.05		Depth (m) 3.00
Client Weybourne Limited			SPT Energy Ratio % 81	Sheet Sheet 1 of 1	Status FINAL

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend	Instrument / Backfill	
Depth (m)	Type No	Test Result							
0.00 - 0.20 0.10	D 1 ES 2		Soft dark brown slightly sandy slightly gravelly CLAY frequent thin rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite. Sand is fine to coarse.	0.00 (0.20) 0.20	38.60				
			[TOPSOIL] Firm brown and dark grey slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint, red brick and quartzite. Sand is fine to coarse.						
0.50 0.60	D 3 ES 4		[MADE GROUND]						
				(1.00)					
1.00	ES 5	N=10 (3,3/3,3,2,2)			37.60				
1.20 - 1.40 1.20	SPT D 6		Medium dense brown locally dark grey slightly gravelly very clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint, quartzite and red brick.	1.20					
1.50	ES 7		[MADE GROUND]	(0.80)					
2.00 2.00 - 2.30 2.00	SPT D 9 ES 8	N=10 (2,2/3,3,2,2)	Medium dense orangish brown slightly gravelly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint.	2.00 (0.40)	36.80				
			[TAPLOW GRAVEL MEMBER]	2.40					
2.50 - 3.00	D 10		Medium dense dark brown gravelly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint, chalk and rare quartzite.	(0.60)					
3.00	SPT	N=4 (0,1/1,1,1,1)	2.99 to 2.99m - ... becoming loose. End of Borehole at 3.00m		35.80				

A2 Site Investigation

Borehole Log

Project

Scours Lane

Borehole No

WS03

Job No

53924

Start

24/09/2024

Ground Level (mOD)

41.23

Co-ordinates (Local Grid)

E 468564.32 N 174292.08

Depth (m)

3.00

End

24/10/2024

Client

Weybourne Limited

Status

FINAL

Standard Penetration Test Summary					
Test Type	Depth Top	Depth Casing	Depth Water	N Value	Reported Result
S	1.20			0	N=0 (1,0/0,0,0,0)
S	2.00			9	N=9 (2,1/2,2,3,2)
S	3.00			12	N=12 (3,4/4,4,2,2)

Installation / Instrument Details				
Date	Instr. Type	To (m)	Response Zone (m)	Remarks
25/09/2024	SP	2.50	0.50-2.50	

Dynamic Sampling Runs			
Depth Top	Dia. (mm)	Rec. %	Remarks

Boring Progress and Backfill									
Drilling Progress			Hole Diameter		Casing		Backfill		
Date	Time	Depth(m)	Depth(m)	Dia.(mm)	Depth (m)	Dia(mm)	Depth (m)	Backfill	
24/10/2024	12:00	3.00					0.00 - 0.20	Concrete	
							0.20 - 0.50	Bentonite	
							0.50 - 2.50	Gravel	
							2.50 - 3.00	Bentonite	

Water Observations					
Date/Time	Depth Strike (m)	Depth Casing (m)	Time Elapsed (min)	Depth Sealed (m)	Rose To (m)

General Remarks

1. Borehole scanned with GPR, CAT & Genny prior to excavation.

2. Hand excavated inspection pit to 1.20m.

3. Installation: 0.00-0.50m plain pipe, 0.50-2.50m slotted pipe.

4. No groundwater strikes encountered.

5. DCP05 and DCP06 test carried out in this location at 0.30m bgl and 0.50m bgl.

6. Borehole terminated at scheduled depth.

Keys

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)

AZCL Assumed Zone of Core Loss

U - 100mm Diameter Undisturbed Sample

UT - 100mm Diameter Thin Wall Undisturbed Sample

U38 - 38mm Diameter Undisturbed Sample

D - Disturbed Sample, B-Bulk Sample, LB- Large Bulk Sample, BLK-Block Sample

C - Core Sample, W-Water Sample, R-Root Sample

TESTS

S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compound

INSTALLATION DETAILS

SPIE - Standpipe Piezometer

SPGW - Groundwater Monitor Standpipe

SPG/GW - Gas / Groundwater Monitor Standpipe

VWP - Vibrating Wire Piezometer

ICM - Inclinator

Hole Type

IP - Inspection Pit, TP-Trial Pit TT - Trial Trench

CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic

DS -Dynamic Sampling, DS/R-Dynamic Sampling / Rotary

DC -Diamond Coring, CPR-Cable Percussion

Rotary follow on



Project Scours Lane				Borehole No WS03	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 41.23	Co-Ordinates (Local Grid) E 468564.32 N 174292.08		Depth (m) 3.00
Client Weybourne Limited			SPT Energy Ratio % 81	Sheet Sheet 1 of 1	Status FINAL

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend	Instrument / Backfill
Depth (m)	Type No	Test Result						
0.10	ES 1	N=0 (1,0/0,0,0,0)	Soft dark brown slightly sandy slightly gravelly CLAY with frequent rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite. Sand is fine to coarse.	0.00	40.93			
0.30	D 2		[TOPSOIL]	(0.30)				
0.50	D 3		Soft dark brown mottled light brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint, black flint and red brick. Sand is fine to coarse.	0.30				
0.50	ES 4		[MADE GROUND]	(0.90)				
1.00	D 5	N=9 (2,1/2,2,3,2)	Loose dark brown locally greyish black gravelly clayey fine to coarse SAND. Gravel is angular to subrounded fine to coarse of flint, red brick and rare coal.	1.20	40.03			
1.00	ES 6			(0.80)				
1.20	SPT			(0.50)				
1.50	ES 7			(0.50)				
1.70	D 8	N=12 (3,4/4,4,2,2)	Firm brown locally orangish brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint and red brick. Sand is fine to coarse.	2.00	39.23			
2.00	SPT			(0.50)				
2.10	ES 9			(0.50)				
2.20	D 10			(0.50)				
2.60	ES 11	N=12 (3,4/4,4,2,2)	Loose slightly gravelly slightly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint and rare chalk.	2.50	38.73			
2.70	D 12			(0.50)				
3.00	SPT			(0.50)				
				(0.50)				
			2.99 to 2.99m - ... becoming medium dense.		38.23			
			End of Borehole at 3.00m					

A2 Site Investigation

Borehole Log

Project Scours Lane				Borehole No WS04	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 41.45	Co-ordinates (Local Grid) E 468573.72 N 174263.19		Depth (m) 3.00
Client Weybourne Limited				Status FINAL	

Standard Penetration Test Summary					
Test Type	Depth Top	Depth Casing	Depth Water	N Value	Reported Result
S	1.20			12	N=12 (2,3/2,3,3,4)
S	2.00			21	N=21 (4,5/5,6,5,5)
S	3.00			20	N=20 (4,4/4,5,5,6)

Installation / Instrument Details				
Date	Instr. Type	To (m)	Response Zone (m)	Remarks
25/09/2024	SP	3.00	1.00-3.00	

Dynamic Sampling Runs			
Depth Top	Dia. (mm)	Rec. %	Remarks

Boring Progress and Backfill									
Drilling Progress			Hole Diameter		Casing		Backfill		
Date	Time	Depth(m)	Depth(m)	Dia.(mm)	Depth (m)	Dia(mm)	Depth (m)	Backfill	
24/10/2024	16:00	3.00					0.00 - 0.20 0.20 - 1.00 1.00 - 3.00	Concrete Bentonite Gravel	

Water Observations					
Date/Time	Depth Strike (m)	Depth Casing (m)	Time Elapsed (min)	Depth Sealed (m)	Rose To (m)

General Remarks

1. Borehole scanned with GPR, CAT & Genny prior to excavation.

2. Hand excavated inspection pit to 1.20m.

3. Installation: 0.00-1.00m plain pipe, 1.00-3.00m slotted pipe.

4. No groundwater strikes encountered.

5. DCP07 and DCP08 test carried out in this location at 0.30m bgl and 0.50m bgl.

Keys

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)

AZCL Assumed Zone of Core Loss

U - 100mm Diameter Undisturbed Sample

UT - 100mm Diameter Thin Wall Undisturbed Sample

U38 - 38mm Diameter Undisturbed Sample

D - Disturbed Sample, B-Bulk Sample, LB- Large Bulk Sample, BLK-Block Sample

C - Core Sample, W-Water Sample, R-Root Sample

TESTS

S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compound

INSTALLATION DETAILS

SPIE - Standpipe Piezometer

SPGW - Groundwater Monitor Standpipe

SPG/GW - Gas / Groundwater Monitor Standpipe

VWP - Vibrating Wire Piezometer

ICM - Inclinator

Hole Type

IP - Inspection Pit, TP-Trial Pit TT - Trial Trench

CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic

DS -Dynamic Sampling, DS/R-Dynamic Sampling / Rotary

DC -Diamond Coring, CPR-Cable Percussion Rotary follow on



Project Scours Lane					Borehole No WS04	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 41.45	Co-Ordinates (Local Grid) E 468573.72 N 174263.19		Depth (m) 3.00	
Client Weybourne Limited			SPT Energy Ratio % 81	Sheet Sheet 1 of 1	Status FINAL	

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend	Instrument / Backfill
Depth (m)	Type No	Test Result						
0.10	ES 1	N=12 (2,3/2,3,3,4)	Soft brown slightly gravelly sandy CLAY with frequent rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite. Sand is fine to coarse. [TOPSOIL]	0.00 (0.30)	41.15			
0.60	ES 2		Firm brown locally orangish brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint, red brick and rare quartzite. Sand is fine to coarse. [MADE GROUND]	0.30 (0.90)				
1.00	ES 3							
1.20	SPT	N=21 (4,5/5,6,5,5)	Medium dense dark brown very gravelly slightly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint, red brick and rare chalk. [MADE GROUND]	1.20	40.25			
1.50	D 4							
1.50	ES 5			(0.80)				
2.00	SPT	N=20 (4,4/4,5,5,6)	Firm brown slightly gravelly very sandy CLAY. Gravel is subangular to subrounded fine to coarse of flint, quartzite and rare red brick. Sand is fine to coarse. [MADE GROUND]	2.00	39.45			
2.00	D 6							
2.00	ES 7			(1.00)				
2.50	D 8							
3.00	SPT		End of Borehole at 3.00m		38.45			
3.00	D 9							



Trial Pit Log

[illegible]

	All dimensions in metres Scale 1:50	Contractor A2 Site Investigation	Method Insulated Hand Digging Tools	Logged By OC	Approved by JE
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Trial Pit Log

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend
Depth (m)	Type No	Test Result					
			Soft brown slightly gravelly sandy CLAY with frequent rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite. Sand is fine to coarse. [TOPSOIL]	0.00 (0.30)			
			Firm brown locally orangish brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint, red brick and rare quartzite. Sand is fine to coarse. [MADE GROUND]	0.30 (0.20)	39.90		
			<i>0.45 to 0.50m - ...concrete obstruction</i> End of Pit at 0.50m		39.70		

General Remarks

1. Pit scanned with GPR, CAT & Genny prior to excavation.
2. Hand excavated inspection pit to 0.50m.
3. Pit terminated due to concrete obstruction encountered at 0.45m bgl.
4. Pit backfilled with arisings.



Contractor

A2 Site Investigation

Method

Insulated Hand Digging Tools

Logged By
OC

Approved by
JE



Project Scours Lane				Trial Pit No WS05B	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 40.20	Co-Ordinates (Local Grid) E 468594.08 N 174262.21		Depth (m) 0.50
Client Weybourne Limited			Sheet Sheet 1 of 1		Status FINAL

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend
Depth (m)	Type No	Test Result					
			Soft brown slightly gravelly sandy CLAY with frequent rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite. Sand is fine to coarse. [TOPSOIL]	0.00 (0.30)			
			Firm brown locally orangish brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint, red brick and rare quartzite. Sand is fine to coarse. [MADE GROUND]	0.30 (0.20)	39.90		
			0.45 to 0.50m - ...concrete obstruction End of Pit at 0.50m		39.70		

General Remarks

- 1. Pit scanned with GPR, CAT & Genny prior to excavation.
- 2. Hand excavated inspection pit to 0.50m.
- 3. Pit terminated due to concrete obstruction encountered at 0.45m bgl.
- 4. Pit backfilled with arisings.

A2 Site Investigation

Borehole Log

Project Scours Lane				Borehole No WS06	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 39.07	Co-ordinates (Local Grid) E 468608.51 N 174261.37		Depth (m) 3.00
Client Weybourne Limited				Status FINAL	

Standard Penetration Test Summary					
Test Type	Depth Top	Depth Casing	Depth Water	N Value	Reported Result
S	1.20			27	N=27 (3,3/3,8,9,7)
S	2.00			27	N=27 (6,7/7,7,6,7)
S	3.00			18	N=18 (5,4/4,4,5,5)

Installation / Instrument Details				
Date	Instr. Type	To (m)	Response Zone (m)	Remarks

Dynamic Sampling Runs			
Depth Top	Dia. (mm)	Rec. %	Remarks

Boring Progress and Backfill								
Drilling Progress			Hole Diameter		Casing		Backfill	
Date	Time	Depth(m)	Depth(m)	Dia.(mm)	Depth (m)	Dia(mm)	Depth (m)	Backfill
24/10/2024	14:00	3.00					0.00 - 3.00	Arisings

Water Observations					
Date/Time	Depth Strike (m)	Depth Casing (m)	Time Elapsed (min)	Depth Sealed (m)	Rose To (m)

General Remarks

1. Borehole scanned with GPR, CAT & Genny prior to excavation.

2. Hand excavated inspection pit to 1.20m.

3. No groundwater strikes encountered.

4. Borehole backfilled with arisings.

5. DCP07 and DCP08 test carried out in this location at 0.30m bgl and 0.50m bgl.

6. Borehole terminated at scheduled depth.

Keys

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)

AZCL Assumed Zone of Core Loss

U - 100mm Diameter Undisturbed Sample

UT - 100mm Diameter Thin Wall Undisturbed Sample

U38 - 38mm Diameter Undisturbed Sample

D - Disturbed Sample, B-Bulk Sample, LB- Large Bulk Sample, BLK-Block Sample

C - Core Sample, W-Water Sample, R-Root Sample

TESTS

S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compound

INSTALLATION DETAILS

SPIE - Standpipe Piezometer

SPGW - Groundwater Monitor Standpipe

SPG/GW - Gas / Groundwater Monitor Standpipe

VWP - Vibrating Wire Piezometer

ICM - Inclinator

Hole Type

IP - Inspection Pit, TP-Trial Pit TT - Trial Trench

CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic

DS -Dynamic Sampling, DS/R-Dynamic Sampling / Rotary

DC -Diamond Coring, CPR-Cable Percussion Rotary follow on



Project Scours Lane					Borehole No WS06	
Job No 53924	Start 24/09/2024 End 24/10/2024	Ground Level (mOD) 39.07	Co-Ordinates (Local Grid) E 468608.51 N 174261.37		Depth (m) 3.00	
Client Weybourne Limited			SPT Energy Ratio % 81	Sheet Sheet 1 of 1	Status FINAL	

SAMPLES & TESTS			Stratum Description	Depth (thickness)	Reduced Level	Water	Legend	Instrument / Backfill
Depth (m)	Type No	Test Result						
0.10	ES 1	N=27 (3,3/3,8,9,7)	Soft dark brown slightly gravelly sandy CLAY with frequent rootlets (<2mm). Gravel is subangular to subrounded fine to coarse of flint and quartzite. Sand is fine to coarse. [TOPSOIL]	0.00 (0.30)	38.77			
0.60 0.60	D 2 ES 3		Firm brown locally orangish brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint and red brick and rare quartzite. Sand is fine to coarse. [MADE GROUND]	0.30 (0.90)				
1.00 1.00	D 4 ES 5							
1.20	SPT			1.20				
1.50 1.50	D 6 ES 7	N=27 (6,7/7,7,6,7)	Medium dense light brown gravelly slightly clayey fine to coarse SAND. Gravel is angular to subrounded fine to coarse of flint, rare chalk and rare red brick. [MADE GROUND]	(1.10)	37.87			
2.00 2.00 2.00	SPT D 9 ES 8							
2.50	ES 10		Firm brown locally mottled orangish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint, rare chalk and rare quartzite. Sand is fine to coarse. [TAPLOW GRAVEL MEMBER]	2.30 (0.70)				
3.00 3.00 3.00	SPT D 12 ES 11		End of Borehole at 3.00m					
					36.77			
					36.07			



A2 Site Investigation

SOIL INFILTRATION TEST

In accordance with BRE Digest 365

Client: Weybourne Limited

Engineer: WT

Project: Scours Lane

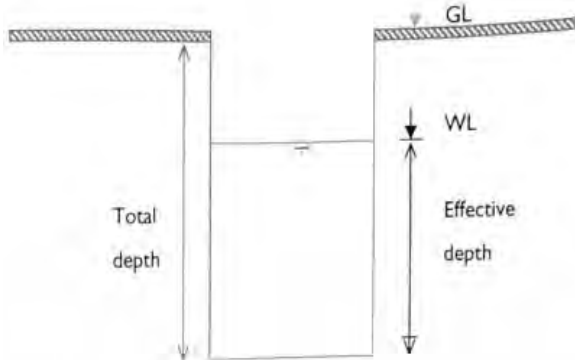
Date: 29.09.24

Job Number: 53924

INF01 - Test 1 (TP01)

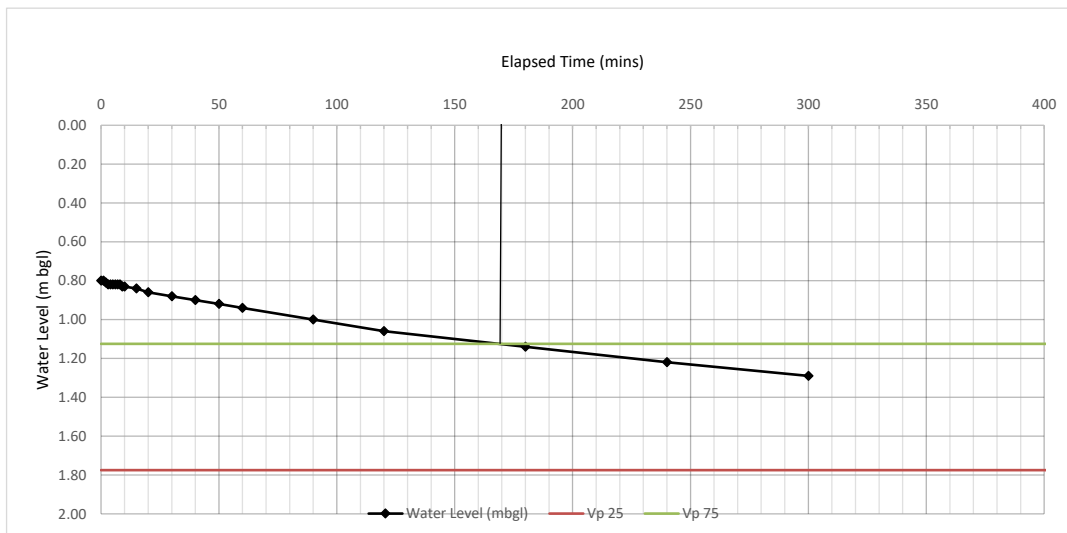
Pit Dimensions

Length (m)	Width (m)	Total depth (m)	Effective depth (m)
1.7	0.5	2.1	1.3



Elapsed Time (mins)	Water Level (mbgl)	Head (m)	Head (%)
0	0.80	1.30	100.0
1	0.80	1.3	100.0
2	0.81	1.29	99.2
3	0.82	1.28	98.5
4	0.82	1.28	98.5
5	0.82	1.28	98.5
6	0.82	1.28	98.5
7	0.82	1.28	98.5
8	0.82	1.28	98.5
9	0.83	1.27	97.7
10	0.83	1.27	97.7
15	0.84	1.26	96.9
20	0.86	1.24	95.4
30	0.88	1.22	93.8
40	0.90	1.2	92.3
50	0.92	1.18	90.8
60	0.94	1.16	89.2
90	1.00	1.1	84.6
120	1.06	1.04	80.0
180	1.14	0.96	73.8
240	1.22	0.88	67.7
300	1.29	0.81	62.3
360	1.33	0.77	59.2
392	1.35	0.75	57.7

Soil Infiltration Rate: 4.26E-06 m/s





A2 Site Investigation

SOIL INFILTRATION TEST In accordance with BRE Digest 365

Client: Weybourne Limited

Engineer: WT

Project: Scours Lane

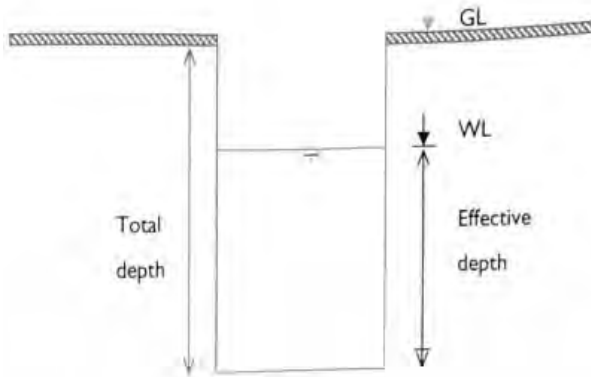
Date: 29.09.24

Job Number: 53924

INF01 - Test 1 (TP01)

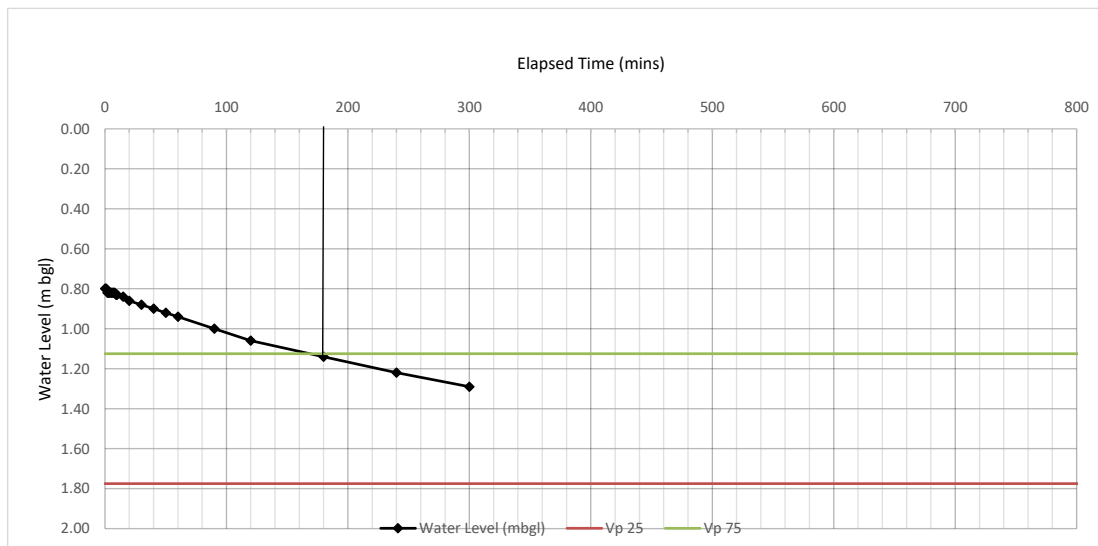
Pit Dimensions

Length (m)	Width (m)	Total depth (m)	Effective depth (m)
1.7	0.5	2.1	1.30



Elapsed Time (mins)	Water Level (mbgl)	Head (m)	Head (%)
0	0.80	1.30	100.0
1	0.80	1.30	100.0
2	0.82	1.28	98.5
3	0.82	1.28	98.5
4	0.82	1.28	98.5
5	0.82	1.28	98.5
6	0.82	1.28	98.5
7	0.82	1.28	98.5
8	0.82	1.28	98.5
9	0.83	1.27	97.7
10	0.83	1.27	97.7
15	0.84	1.26	96.9
20	0.86	1.24	95.4
30	0.88	1.22	93.8
40	0.90	1.20	92.3
50	0.92	1.18	90.8
60	0.94	1.16	89.2
90	1.00	1.10	84.6
120	1.06	1.04	80.0
180	1.14	0.96	73.8
240	1.22	0.88	67.7
300	1.29	0.81	62.3

Soil Infiltration Rate: 5.36E-06 m/s



Penetration Data Report

Project Name: Scours Lane

Chainage (km):		Surface Type:	Unpaved
Direction:	WS01- DCP01	Thickness (mm):	0
Location/Offset:	Lay-by / other	Base Type:	
Cone Angle:	60 degrees	Thickness (mm):	
Zero Error (mm):	30	Surface Moisture:	Unknown
Test Date:	24/09/2024	Moisture adjustment factor:	Not adjusted

No.	Blows	Cumulative Blows	Penetration Depth (mm)	Penetration Rate (mm/blow)	No.	Blows	Cumulative Blows	Penetration Depth (mm)	Penetration Rate (mm/blow)
1	0	0	30	0.00					
2	1	1	60	30.00					
3	1	2	120	60.00					
4	1	3	160	40.00					
5	1	4	180	20.00					
6	1	5	200	20.00					
7	1	6	220	20.00					
8	2	8	250	15.00					
9	2	10	290	20.00					
10	2	12	330	20.00					
11	2	14	410	40.00					
12	1	15	470	60.00					
13	1	16	520	50.00					
14	1	17	570	50.00					
15	1	18	600	30.00					
16	1	19	640	40.00					
17	1	20	680	40.00					

Remarks: Test carried out at 0.30m bgl

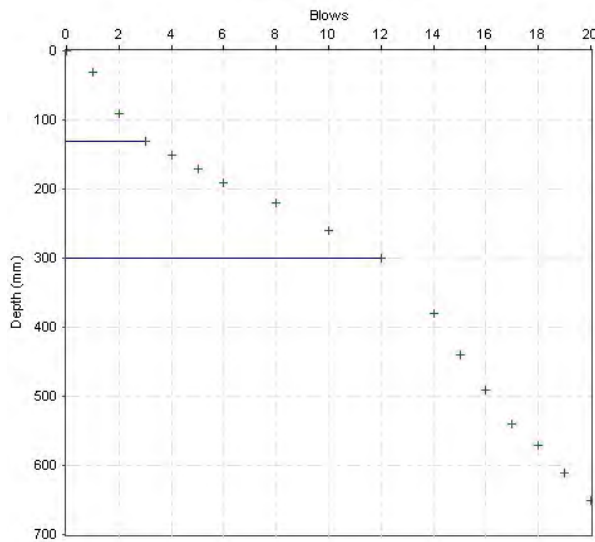
DCP Layer Strength Analysis Report

Project Name: Scours Lane

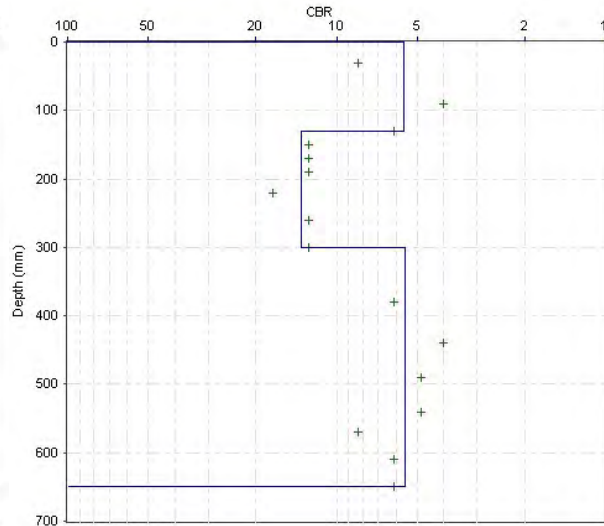
Chainage (km):
 Direction: WS01- DCP01
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 30
 Test Date: 24/09/2024

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Unknown
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 0.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	43.33	6	130	130	Base	0.02	0.08	0.08	0.08
2	18.89	14	170	300	Base	0.04	0.24	0.24	0.24
3	43.75	6	350	650	Base	0.02	0.22	0.22	0.22

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	0.54	0.54	0.54
Sub-Base	--	--	--
Subgrade	--	--	--
Pavement Strength	0.54	0.54	0.54

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

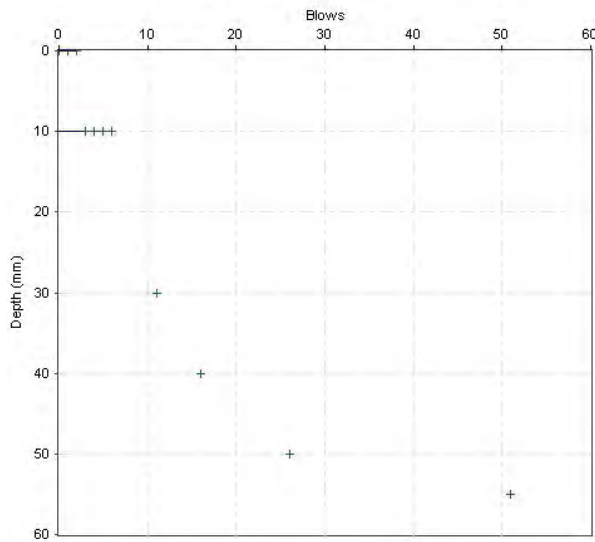
DCP Layer Strength Analysis Report

Project Name: Scours Lane

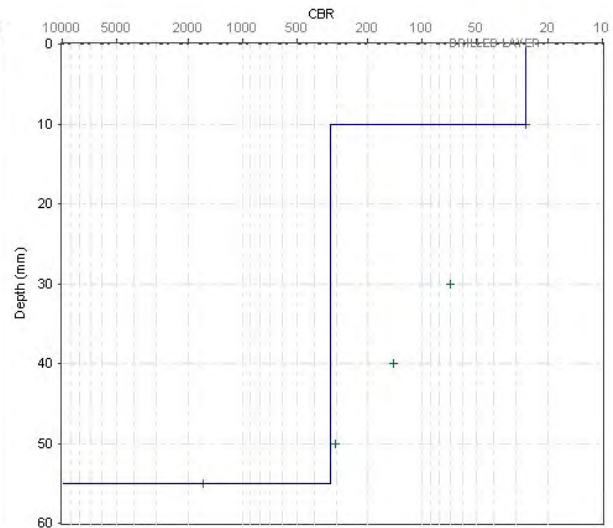
Chainage (km):
 Direction: WS01- DCP02
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 24/09/2024

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Unknown
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 0.100



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	0.00	0	0	0	Base	0.00	0.00	0.00	0.00
2	10.00	26	10	10	Base	0.06	0.03	0.03	0.03
3	0.94	323	45	55	Base	0.14	0.26	0.26	0.26

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	0.28	0.28	0.28
Sub-Base	--	--	--
Subgrade	--	--	--
Pavement Strength	0.28	0.28	0.28

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

Penetration Data Report

Project Name: Scours Lane

Chainage (km):
Direction: WS02 - DCP03
Location/Offset: Lay-by / other
Cone Angle: 60 degrees
Zero Error (mm): 30
Test Date: 24/09/2024

Surface Type:	Unpaved
Thickness (mm):	0
Base Type:	
Thickness (mm):	
Surface Moisture:	Unknown
Moisture adjustment factor:	Not adjusted

[illegible]

Remarks: Test carried out at 0.30m bgl

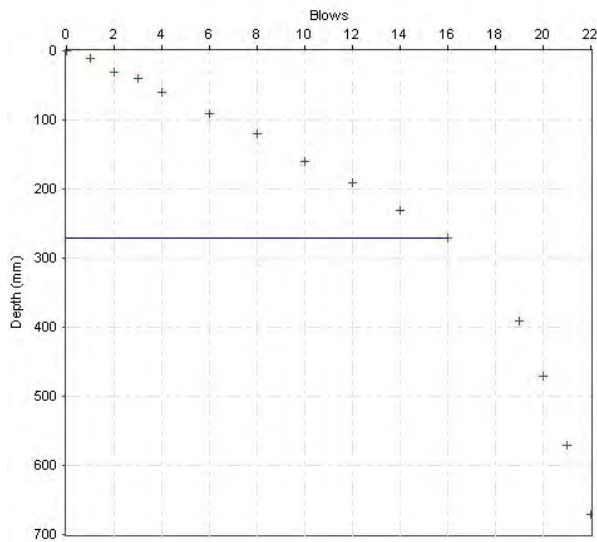
DCP Layer Strength Analysis Report

Project Name: Scours Lane

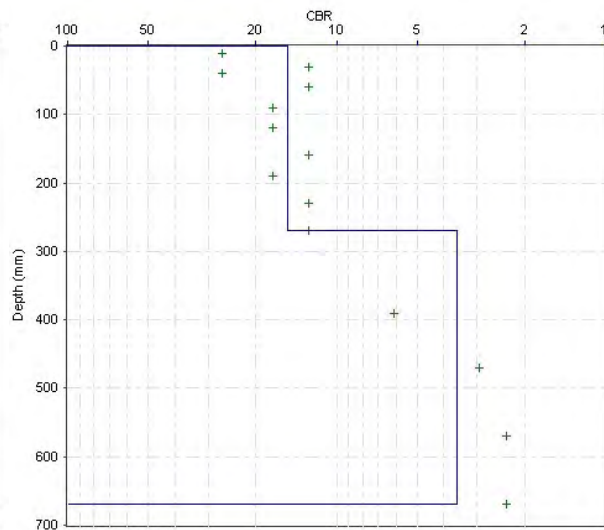
Chainage (km):
 Direction: WS02 - DCP03
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 30
 Test Date: 24/09/2024

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Unknown
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 0.200



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	16.88	15	270	270	Base	0.04	0.42	0.42	0.42
2	66.67	4	400	670	Base	0.01	0.16	0.16	0.16

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	0.58	0.58	0.58
Sub-Base	--	--	--
Subgrade	--	--	--
Pavement Strength	0.58	0.58	0.58

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

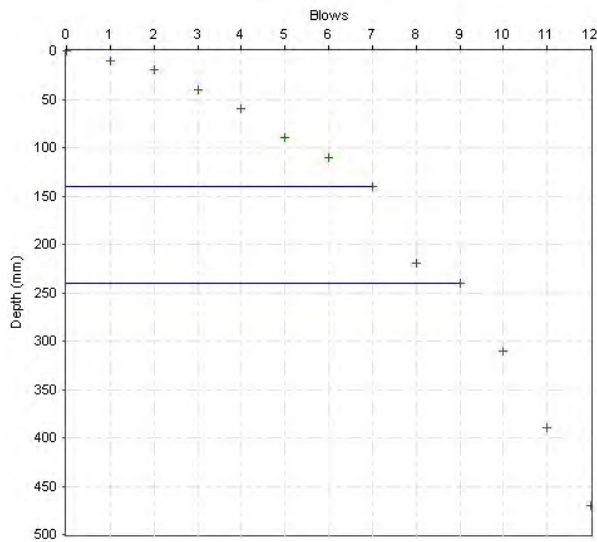
DCP Layer Strength Analysis Report

Project Name: Scours Lane

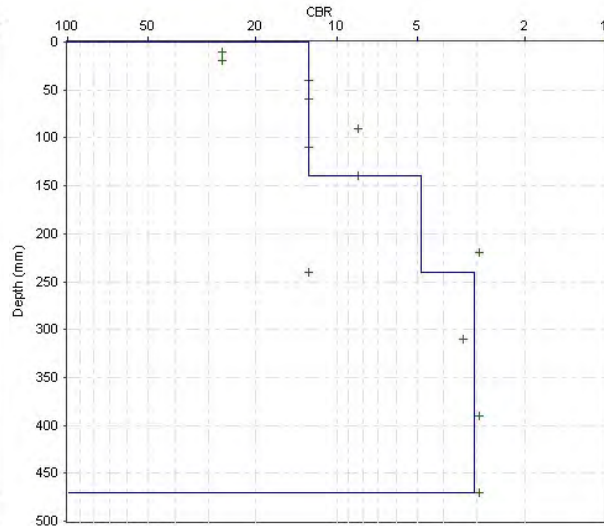
Chainage (km):
 Direction: WS02 - DCP04
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 24/09/2024

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Unknown
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 0.300



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	20.00	13	140	140	Base	0.03	0.19	0.19	0.19
2	50.00	5	100	240	Base	0.01	0.05	0.05	0.05
3	76.67	3	230	470	Base	0.01	0.08	0.08	0.08

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	0.32	0.32	0.32
Sub-Base	--	--	--
Subgrade	--	--	--
Pavement Strength	0.32	0.32	0.32

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

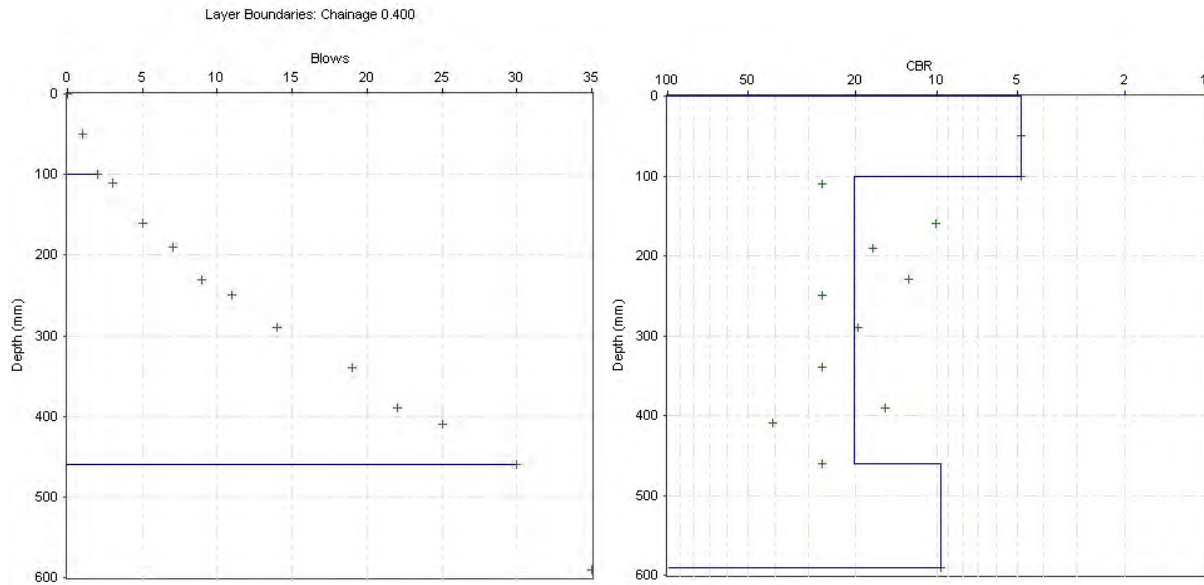
Report produced by

DCP Layer Strength Analysis Report

Project Name: Scours Lane

Chainage (km):
 Direction: WS03 - DCP05
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 30
 Test Date: 24/09/2024

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Unknown
 Moisture adjustment factor: Not adjusted



Layer Boundaries Chart

CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	50.00	5	100	100	Base	0.01	0.05	0.05	0.05
2	12.86	20	360	460	Base	0.05	0.73	0.73	0.73
3	26.00	10	130	590	Base	0.03	0.13	0.13	0.13

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	0.92	0.92	0.92
Sub-Base	--	--	--
Subgrade	--	--	--
Pavement Strength	0.92	0.92	0.92

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

Penetration Data Report

Project Name: Scours Lane

Chainage (km):
 Direction: WS03 - DCP06
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 24/09/2024

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Unknown
 Moisture adjustment factor: Not adjusted

No.	Blows	Cumulative Blows	Penetration Depth (mm)	Penetration Rate (mm/blow)	No.	Blows	Cumulative Blows	Penetration Depth (mm)	Penetration Rate (mm/blow)
1	0	0	0	0.00	26	1	25	500	30.00
2	1	1	10	10.00					
3	1	2	30	20.00					
4	1	3	40	10.00					
5	1	4	50	10.00					
6	1	5	70	20.00					
7	1	6	90	20.00					
8	1	7	120	30.00					
9	1	8	160	40.00					
10	1	9	190	30.00					
11	1	10	210	20.00					
12	1	11	230	20.00					
13	1	12	240	10.00					
14	1	13	250	10.00					
15	1	14	270	20.00					
16	1	15	280	10.00					
17	1	16	310	30.00					
18	1	17	330	20.00					
19	1	18	340	10.00					
20	1	19	360	20.00					
21	1	20	390	30.00					
22	1	21	410	20.00					
23	1	22	430	20.00					
24	1	23	450	20.00					
25	1	24	470	20.00					

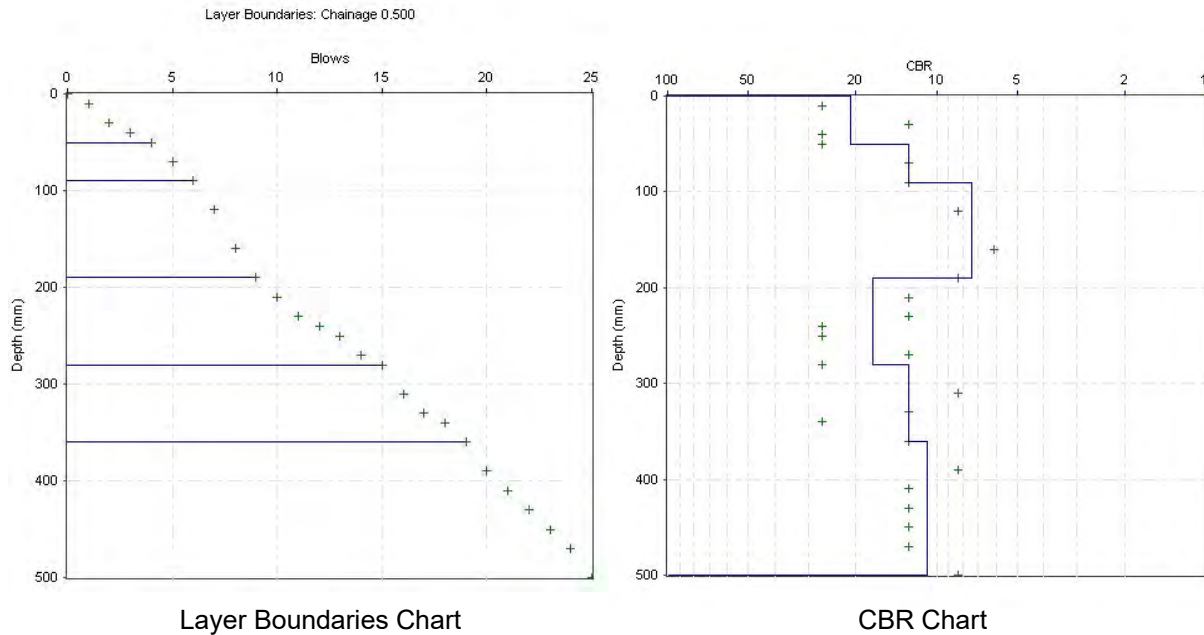
Remarks: Test carried out at 0.50m bgl

DCP Layer Strength Analysis Report

Project Name: Scours Lane

Chainage (km):
 Direction: WS03 - DCP06
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 24/09/2024

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Unknown
 Moisture adjustment factor: Not adjusted



Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	12.50	21	50	50	Base	0.05	0.10	0.10	0.10
2	20.00	13	40	90	Base	0.03	0.05	0.05	0.05
3	33.33	7	100	190	Base	0.02	0.08	0.08	0.08
4	15.00	17	90	280	Base	0.04	0.16	0.16	0.16
5	20.00	13	80	360	Base	0.03	0.11	0.11	0.11
6	23.33	11	140	500	Base	0.03	0.16	0.16	0.16

Pavement Strength

Layer	Layer Contribution		
	SN	SNC	SNP
Surface	--	--	--
Base	0.66	0.66	0.66
Sub-Base	--	--	--
Subgrade	--	--	--
Pavement Strength	0.66	0.66	0.66

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

Penetration Data Report

Project Name: Scours Lane

Chainage (km):
Direction: WS04 - DCP07
Location/Offset: Lay-by / other
Cone Angle: 60 degrees
Zero Error (mm): 10
Test Date: 24/09/2024

Surface Type:	Unpaved
Thickness (mm):	0
Base Type:	
Thickness (mm):	
Surface Moisture:	Unknown
Moisture adjustment factor:	Not adjusted

[illegible]

Remarks: Test carried out at 0.30m bgl