



9 Brunel Parkway, Pride Park, Derby DE24 8HR
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TP11

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.20	T	D			
Firm orange brown slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.30 - 0.50	LB	LB			
Firm locally stiff brown and grey sandy very silty CLAY (TIDAL FLAT DEPOSITS) ...becoming damp below 1.50m		0.30			In-Situ SV	40	
		0.50				50	
		0.55	T	D		60	
		0.60			In-Situ SV	65	
		0.75				69	
		1.20			Ex-Situ SV	70	
		1.50			Ex-Situ SV	75	
						80	
						85	
		2.20					
		2.80					
End of Trial Pit at 2.80m							

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.50m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP11
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP12

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)							
Stiff brown mottled grey silty sandy CLAY (TIDAL FLAT DEPOSITS) ...becoming firm with depth		0.30					
		0.50	T	D			
		0.60	B	B			
		0.85			In-Situ SV	85 85 96	
		1.20					
		1.30 1.40	T	D	Ex-Situ SV Ex-Situ SV	65 72 75 58 65 65	
Soft damp grey brown sandy silty CLAY (TIDAL FLAT DEPOSITS) ...becoming grey below 2.40m with rare black organic matter		2.00					
End of Trial Pit at 3.00m		3.00					

Remarks:

- Sides generally stable.
- Soils damp below 2.00m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP12
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP13

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.20	T	D			
Stiff brown silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.40					
...grey pockets below 0.80m		0.60			In-Situ SV	76 82 88	
Firm brown sandy clayey SILT (TIDAL FLAT DEPOSITS)		1.00			In-Situ SV	50 55 60	
		1.20	B T	B D			
		1.40			Ex-Situ SV	40 40 48	
Soft damp brown sandy silty CLAY (TIDAL FLAT DEPOSITS)		2.10					
...becoming grey below 2.40m		2.40			Ex-Situ SV	10 10 15	
End of Trial Pit at 3.10m		3.10					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 2.10m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP13
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP14

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)							
Very stiff brown with grey pockets slightly silty CLAY (TIDAL FLAT DEPOSITS) ...becoming stiff and more silty with depth ...becoming firm with depth		0.40					
		0.60	T	D	In-Situ SV	120 135 140	
		0.85			In-Situ SV	78 80 80	
		1.20			Ex-Situ SV	60 65 68	
Soft damp brown silty CLAY (TIDAL FLAT DEPOSITS) ...becoming grey and very soft and wet below 2.30m		1.70	T	D	Ex-Situ SV	20 25 30	
		3.00					
----- End of Trial Pit at 3.00m							

Remarks:

- Sides generally stable.
- Soils damp below 1.70m with a slight water ingress below 2.30m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP14
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP15

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.20	T	D			
Firm light brown sandy clayey SILT (TIDAL FLAT DEPOSITS)		0.30					
		0.45	B	B	In-Situ SV	75	
		0.50				80	
		0.60				90	
Stiff brown with grey pockets silty CLAY with silty pockets (TIDAL FLAT DEPOSITS)		0.80	T	D	In-Situ SV	75	
		0.90				80	
...becoming firm with depth		1.40			Ex-Situ SV	40	
						45	
						48	
Soft damp brown silty CLAY (TIDAL FLAT DEPOSITS)		2.00			Ex-Situ SV	25	
						25	
						30	
...becoming grey with black organic matter below 2.70m							
End of Trial Pit at 2.95m		2.95					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 2.00m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP15
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP16

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.35					
Firm light brown sandy clayey SILT (TIDAL FLAT DEPOSITS)		0.50	T	D	In-Situ SV	65 70 70	
...one shell fragment at 1.20m		1.20			Ex-Situ SV	40 40 45	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		1.40	T	D			
		1.60			Ex-Situ SV	15 15 15	
...becoming grey and very soft below 2.30m							
End of Trial Pit at 2.90m		2.90					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.40m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP16
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP17

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Stiff brown slightly silty sandy CLAY with grey pockets (TIDAL FLAT DEPOSITS)		0.30					
		0.55	T	D	In-Situ SV	105 110 85	
...becoming firm below 1.30m		0.90			In-Situ SV	75 85 90	
...becoming damp below 1.60m		1.50			Ex-Situ SV	50 55 58	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		2.00					
...grey and very soft with black organic matter below 2.30m		2.30			Ex-Situ SV	10 12 12	
End of Trial Pit at 2.95m		2.95					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.60m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP17
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP18

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.35					
Stiff brown mottled grey slightly silty sandy CLAY (TIDAL FLAT DEPOSITS) ...becoming firm below 1.10m		0.50	T	D	In-Situ SV	100 90 90	
		0.75 0.80	T	D	In-Situ SV	108 110 115	
		1.10	B	B			
		1.30			Ex-Situ SV	50 55 55	
Soft brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS) ...becoming grey and damp below 1.80m ...very soft and sandy below 2.40m		1.60					
		2.80					
End of Trial Pit at 2.80m							

Remarks:

- Sides generally stable.
- Soils damp below 1.80m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP18
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP19

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Stiff brown mottled grey slightly silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.30					
		0.50			In-Situ SV	110 110 130	
...becoming firm below 1.20m		1.00	T	D	In-Situ SV	140 140	
...becoming damp below 1.50m		1.30			Ex-Situ SV	65 68 70	
		1.60			Ex-Situ SV	58 58 60	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		2.30					
...very soft, grey and wet below 2.60m							
End of Trial Pit at 3.00m		3.00					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.50m with a slight water ingress below 2.60m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP19
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP20

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.30					
Stiff brown mottled grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.60			In-Situ SV	80 90 95	
...very silty, slightly sandy and firm below 1.00m		0.90	T	D			
		1.30			Ex-Situ SV	45 50 60	
		1.40	B T	B D			
		1.60					
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)							
...grey and very soft with black organic inclusions below 2.30m							
End of Trial Pit at 3.10m		3.10					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.60m with a slight water ingress below 2.40m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP20
Date: 24/11/2020	Approved: PK		Scale: 1:25		



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TP21

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)							
Stiff brown silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.30					
...becoming firm below 0.80m		0.55	T	D	In-Situ SV	75 80 90	
		1.00	B	B	In-Situ SV	60 60 70	
Firm light brown sandy SILT (TIDAL FLAT DEPOSITS)		1.20					
...damp and slightly clayey below 1.75m		1.35			Ex-Situ SV	48 50 55	
		2.00					
Soft damp brown very silty sandy CLAY (TIDAL FLAT DEPOSITS)		2.00					
...becoming grey with black organic matter below 2.30m							
End of Trial Pit at 3.00m		3.00					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.75m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP21
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP22

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Firm to stiff light brown slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.30					
Stiff brown silty CLAY (TIDAL FLAT DEPOSITS)		0.45			In-Situ SV	74	
		0.60			In-Situ SV	74 80 125 130 140	
Firm light brown sandy SILT (TIDAL FLAT DEPOSITS)		0.90	T	D	In-Situ SV	50 60 70	
Firm damp brown silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		1.10					
...becoming soft and grey below 2.20m							
End of Trial Pit at 2.80m		2.80					

Remarks:

- Sides generally stable.
- Soils damp below 1.10m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP22
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP23

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.30					
Firm light brown sandy slightly clayey SILT (TIDAL FLAT DEPOSITS)		0.55	B	B	In-Situ SV	60	
Stiff grey and brown slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.65 0.70			In-Situ SV	62 70 75 80	
Firm light brown sandy SILT (TIDAL FLAT DEPOSITS)		0.90 1.00			In-Situ SV	68 70	
Firm locally stiff brown and grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		1.10 1.30			Ex-Situ SV	70 70	
...becoming soft to firm with depth		1.60			Ex-Situ SV	65 70 80	
...becoming soft, wet and grey below 2.30m						35 35 40	
End of Trial Pit at 2.90m		2.90					

Remarks:

- Sides generally stable.
- Slight water ingress encountered at 2.00m with water standing at 2.40m, 10 minutes after completion of pit excavation.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes	
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator	
Date: 25/11/2020	Approved: PK		Scale: 1:25	
				Drawing No. TP23



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TP24

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Loose orange brown silty fine SAND (TIDAL FLAT DEPOSITS)		0.30 - 0.80 0.30	LB	LB			
Stiff brown and grey slightly silty sandy CLAY (TIDAL FLAT DEPOSITS) ...silt band between 0.90m to 1.00m ...becoming firm below 1.10m		0.60 1.20			In-Situ SV	82 82 84	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS) ...very soft and grey below 2.30m		1.80 2.95			Ex-Situ SV	40 42 42	
End of Trial Pit at 2.95m							

Remarks:

- Sides generally stable.
- Soils damp below 1.80m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP24
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP25

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.30					
Firm light slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.50	T	D	In-Situ SV	58 60 62	
Stiff brown and grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.60					
		0.80					
Firm light brown sandy SILT (TIDAL FLAT DEPOSITS) ...becoming slightly clayey with depth		1.10	B	B	Ex-Situ SV	30 30 35	
		1.20					
Soft damp brown very silty sandy CLAY (TIDAL FLAT DEPOSITS)		1.60					
Soft to firm damp dark grey slightly sandy SILT with rare black organic matter (TIDAL FLAT DEPOSITS)		2.60					
End of Trial Pit at 3.20m		3.20					

Remarks:

- Sides collapsing from ground level and below 1.50m due to instability within the Silt strata upon completion of pit excavation.
- Soils damp below 1.60m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP25
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP26

Project No: D39032

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Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.20	T	D			
Stiff brown and grey sandy CLAY (TIDAL FLAT DEPOSITS)		0.30					
...becoming firm with depth		0.50			In-Situ SV	80 85 95	
		1.00			In-Situ SV	60 60 65	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		1.60					
...becoming grey and very soft below 2.30m		2.30	T	D			
End of Trial Pit at 3.00m		3.00					

Remarks:

- Sides generally stable.
- Soils damp below 1.60m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP26
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP27

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.30					
Stiff brown and grey sandy CLAY (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	75 85 95	
...two land drains encountered at 0.90m ...becoming firm below 1.00m ...small peaty pockets between 1.10m to 1.30m		1.00 1.20	T	D	In-Situ SV	60 60 65	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		1.70					
...becoming very soft and grey below 2.20m							
End of Trial Pit at 3.00m		3.00					

Remarks:

- Sides generally stable.
- Soils damp below 1.70m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator	Drawing No. TP27	
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP28

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Stiff brown mottled grey slightly silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.30					
...silty band between 0.70m to 0.80m		0.50			In-Situ SV	85 90 90	
...becoming firm below 1.00m		1.10	T	D	Ex-Situ SV	70 70 70	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		1.80			Ex-Situ SV	30 35 35	
...becoming grey and very soft below 2.40m.		2.40	B	B			
End of Trial Pit at 3.00m		3.00					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.80m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP28
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP29

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.30					
Stiff brown mottled grey slightly silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	85 90 90	
...becoming firm with depth		0.90	LB	LB			
		1.10			Ex-Situ SV	70 75 75	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		2.00					
...becoming grey and very soft below 2.30m							
End of Trial Pit at 3.00m		3.00					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 2.00m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator	Drawing No. TP29	
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP30

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.30					
Stiff brown mottled grey slightly silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	100 80 90	
...becoming firm below 1.00m		1.00			In-Situ SV	65 65 65	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		1.90					
...grey and very soft below 2.40m		3.00					
End of Trial Pit at 3.00m							

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.90m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP30
Date: 25/11/2020	Approved: PK		Scale: 1:25		



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TP31

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Stiff brown mottled grey slightly silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.30 0.50			In-Situ SV	110 88 90	
Firm light brown sandy slightly clayey SILT (TIDAL FLAT DEPOSITS)		0.80 0.85 1.00	B	B	In-Situ SV	55 60 65	
Soft to firm light brown very silty sandy CLAY (TIDAL FLAT DEPOSITS) ...becoming soft and grey below 2.40m		1.70			Ex-Situ SV	25 35 40	
Firm grey damp sandy SILT (TIDAL FLAT DEPOSITS)		2.70					
End of Trial Pit at 3.00m		3.00					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 2.70m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP31
Date: 26/11/2020	Approved: PK		Scale: 1:25		



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TP32

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)							
Firm light brown sandy slightly clayey SILT (TIDAL FLAT DEPOSITS)		0.35 0.45 0.50	B T	B D	In-Situ SV	45 50 53	
Firm brown and grey silty sandy CLAY (TIDAL FLAT DEPOSITS) ...small peaty pocket in side wall between 1.60m and 1.70m ...becoming soft, damp and grey below 1.80m		1.10 1.50			Ex-Situ SV	38 40 40	
...becoming very soft below 2.50m					Ex-Situ SV	30 32 32	
End of Trial Pit at 3.00m		3.00					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.80m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP32
Date: 26/11/2020	Approved: PK		Scale: 1:25		



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TP33

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Stiff brown mottled grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.30					
0.50					In-Situ SV	100 90 98	
...becoming firm below 0.85m		1.00			In-Situ SV	55 58 58	
Firm light brown sandy SILT (TIDAL FLAT DEPOSITS)		1.70					
...becoming slightly clayey with depth		2.30					
Very soft damp grey very silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		3.00					
End of Trial Pit at 3.00m							

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 2.30m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP33
Date: 26/11/2020	Approved: PK		Scale: 1:25		



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TP34

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)							
Stiff brown slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.30					
Firm light brown sandy SILT (TIDAL FLAT DEPOSITS)		0.40					
Firm to stiff brown and grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	52	
		0.55				60	
			T	D	In-Situ SV	75	
		0.90				80	
...becoming firm, damp and very silty below 1.35m		1.40	B	B	Ex-Situ SV	45	
						50	
		1.90				60	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)							
...becoming very soft and grey with black organic inclusions below 2.30m							
		3.10					
End of Trial Pit at 3.10m							

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.35m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator	Drawing No. TP34	
Date: 26/11/2020	Approved: PK		Scale: 1:25		



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TP35

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.10	T	D			
Stiff brown slightly silty CLAY (TIDAL FLAT DEPOSITS) ...becoming firm and very silty with depth		0.30					
		0.50			In-Situ SV	120 90 95	
		1.00			In-Situ SV	85 90 95	
		1.50			Ex-Situ SV	35 35 40	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS) ...becoming sandy below 2.00m ...becoming grey below 2.30m		2.00					
End of Trial Pit at 2.90m		2.90					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 2.00m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP35
Date: 26/11/2020	Approved: PK		Scale: 1:25		



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TP36

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)							
Stiff brown slightly silty sandy CLAY (TIDAL FLAT DEPOSITS)		0.30			In-Situ SV	110 115 120	
...becoming firm below 1.00m		0.50					
		1.20					
		1.50	T	D	Ex-Situ SV	60 65 70	
		1.90					
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)							
...becoming grey from 2.30m							
End of Trial Pit at 3.00m		3.00					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.90m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP36
Date: 26/11/2020	Approved: PK		Scale: 1:25		



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TP37

Project No: D39032

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Grass over brown silty clayey topsoil (DISTURBED TOPSOIL)							
Stiff brown mottled orange slightly sandy slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.35					
...becoming very silty with depth		0.60	B T	B D	In-Situ SV	108 110 115	
...becoming firm with depth		1.00	T	D	In-Situ SV	100 80 90	
Soft damp brown mottled grey silty CLAY (TIDAL FLAT DEPOSITS)		1.90					
...becoming grey with black organic matter below 2.30m		2.80					
End of Trial Pit at 2.80m							

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.90m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP37
Date: 26/11/2020	Approved: PK		Scale: 1:25		



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TP38

Project No: D39032

Sheet 1 of 1

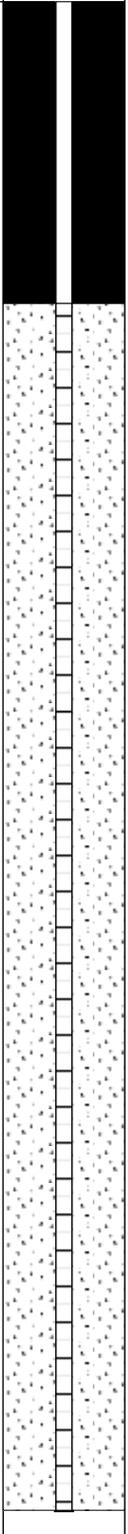
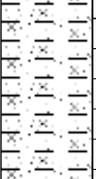
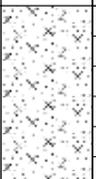
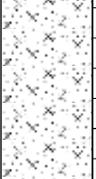
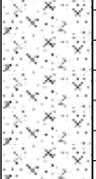
Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Grass over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.30			In-Situ SV	60	
Firm brown mottled orange slightly sandy slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.35				65	
Firm brown slightly clayey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.45				70	
...becoming more clayey with depth		0.70	B T	B D	In-Situ SV	42 48 50	
Soft damp very silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		1.30			Ex-Situ SV	22 25 30	
...becoming grey with black organic matter below 1.60m		1.30					
End of Trial Pit at 2.40m		2.40					

Remarks:

- 1. Sides generally stable.
- 2. Soils damp below 1.30m and a slight water ingress encountered below 1.80m.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m²) P = Penetrometer (kN/m²)
 J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Yews Farm, Pinchbeck			Client: Ashwood Homes		
Logged: GH	Checked: PK	Field Book Ref: GH20/02	Plant: Tracked Excavator		Drawing No. TP38
Date: 26/11/2020	Approved: PK		Scale: 1:25		

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Grass over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.35)			
0.50 0.50 - 1.00	D LB	T LB		Stiff light brown mottled light grey and orange brown silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		0.35			
1.00 - 1.45	C		8	...becoming firm below 1.00m			1.00		
2.00 - 2.45	C		0	...becoming soft below 1.60m ...becoming very soft below 1.80m		(2.05)			
3.00 - 3.45	C		4	Very soft brown CLAY with dark grey organic smears (TIDAL FLAT DEPOSITS)		2.40			
						(0.60)			
3.00 - 3.45	C		4	Loose wet brown very silty fine grained SAND (TIDAL FLAT DEPOSITS)		3.00			
4.00 - 4.45	C		5			(2.00)			
5.00 - 5.45	C		5						
				End of Borehole at 5.00m		5.00			

Remarks

1. Borehole cased to 1.00m as a precautionary measure.
2. Water encountered at 3.10m.
3. Plain pipe installed from ground level to 1.00m in a bentonite surround. Slotted pipe installed from 1.00m to 5.00m in a gravel surround.
4. Bung, valve and lockable cover installed.

Key

D = Disturbed Sample
U = Undisturbed Sample
B = Bulk Sample
J = Jar Sample
V = Vial Sample
W = Water Sample

S = Standard Penetration Test (Split Spoon)
C = Standard Penetration Test (Cone)
 = Water Strike (m)
 = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

Plant: Competitor Rig

Drawing Ref:

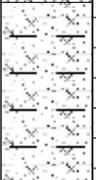
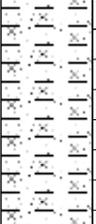
Date: 25/11/2020

Approved: PK

Scale: 1:25

Scale: 1:25

WS1

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.35)			
0.50 0.50	D D	D T		Loose light brown with orange brown mottles slightly clayey very silty fine grained SAND with small lenses of light grey silty very sandy clay. (TIDAL FLAT DEPOSITS)		0.35 (0.80)			
1.00 - 1.45	C		4	...becoming clayey and thinly laminated with depth		1.15			
1.50	D	D		Soft light brown with orange brown and light grey mottles very sandy very silty CLAY (TIDAL FLAT DEPOSITS)		(1.50)			
2.00 - 2.45	C		4	...with the lense of soft clayey silt at 1.90m ...becoming brownish grey below 2.30m		2.65			
3.00 - 3.45	C		7	Soft to firm slightly greyish brown very sandy fine grained SILT (TIDAL FLAT DEPOSITS) ...with thin laminations of grey organic silt with depth ...becoming damp with depth		(2.35)			
4.00 - 4.45	C		11	...becoming firm with depth		5.00			
5.00 - 5.45	C		12	End of Borehole at 5.00m					

Remarks

1.Sides slightly unstable below approximately 3.00m.
 2.Water seepage encountered at 3.00m.
 3.Plain pipe installed from ground level to 1.00m in a bentonite surround. Slotted pipe installed from 1.00m to 5.00m in a gravel surround.
 4.Bung, valve and lockable cover installed.

Key

D = Disturbed Sample
 U = Undisturbed Sample
 B = Bulk Sample
 J = Jar Sample
 V = Vial Sample
 W = Water Sample

S = Standard Penetration Test (Split Spoon)
 C = Standard Penetration Test (Cone)
 = Water Strike (m)
 = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

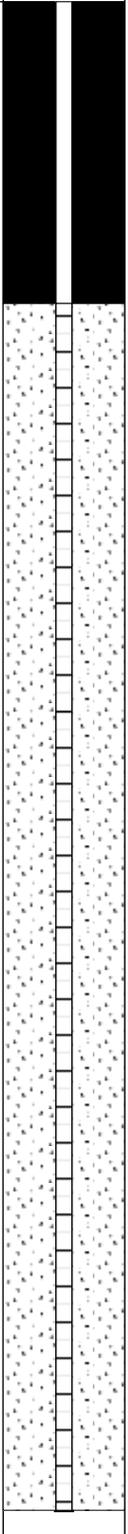
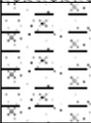
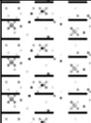
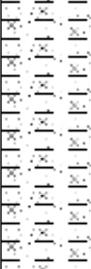
Plant: Competitor Rig

Drawing Ref: WS2

Date: 25/11/2020

Approved: PK

Scale: 1:25

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.30)			
0.50	D	D		Firm brown friable silty very sandy CLAY (TIDAL FLAT DEPOSITS - DISTURBED NATURAL STRATA)		0.30			
0.50	D	T				(0.40)			
				Firm brown silty slightly sandy CLAY with black organic matter (TIDAL FLAT DEPOSITS - DISTURBED NATURAL STRATA)		0.70			
1.00 - 1.45	C		0	...becoming soft with depth		(0.70)			
				...plastic corrugated white duct land drain		1.40			
1.50	D	T		Soft light brown with dark grey silt lenses very sandy CLAY with black organic matter (TIDAL FLAT DEPOSITS)					
2.00 - 2.45	C		7	...becoming soft to firm and damp with depth		(1.70)			
				...becoming greyish brown with thin grey organic laminations with depth					
3.00 - 3.45	C		10			3.10			
				Loose to medium dense damp light greyish brown very silty fine grained SAND (TIDAL FLAT DEPOSITS)					
4.00 - 4.45	C		10			(1.90)			
5.00 - 5.45	C		10			5.00			
				End of Borehole at 5.00m					

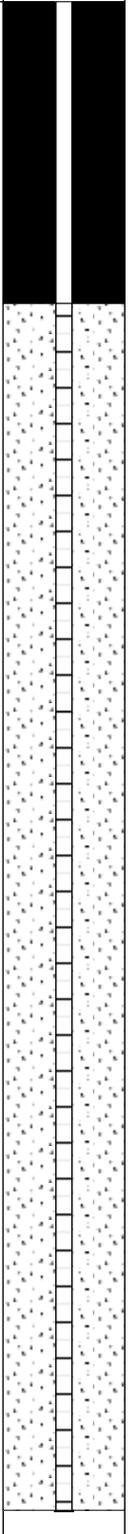
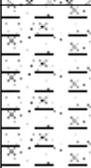
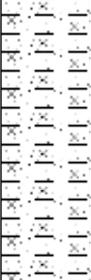
Remarks

1.Sides slightly unstable below 2.00m.
 2.Water seepage encountered below 2.10m.
 3.Plain pipe installed from ground level to 1.00m in a bentonite surround. Slotted pipe installed from 1.00m to 5.00m in a gravel surround.
 4.Bung, valve and lockable cover installed.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck		Client: Ashwood Homes	
Logged: CP	Checked: PK	Field Book Ref: CP20/03	Plant: Competitor Rig
Date: 25/11/2020	Approved: PK	Scale: 1:25	Drawing Ref: WS3

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.40)			
0.50	D	T		Firm light brown and orange brown sandy SILT (TIDAL FLAT DEPOSITS)		0.40			
1.00 - 1.45	C		4	...layer of firm brown silty sandy clay between 0.75m to 0.90m ...becoming light brown with orange brown mottled with depth		(1.00)			
1.50 1.50	D D	D T		Soft brown mottled orange brown and light grey very silty very sandy CLAY (TIDAL FLAT DEPOSITS) ...layer of very loose very clayey sandy silt between 1.60m to 1.80m		1.40			
2.00 - 2.45	C		0	...becoming very soft below 2.00m					
3.00 - 3.45	C		0	...very soft greyish brown and with dark grey organic silt smearing with depth		(3.60)			
4.00 - 4.45	C		0	...becoming brownish grey, very sandy and with black organic inclusions below 4.50m					
5.00 - 5.45	C		0	End of Borehole at 5.00m		5.00			

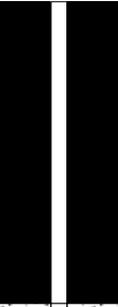
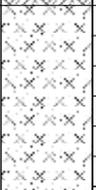
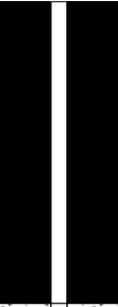
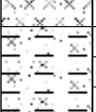
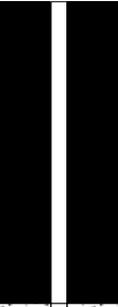
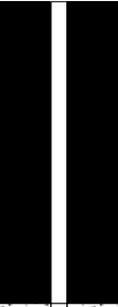
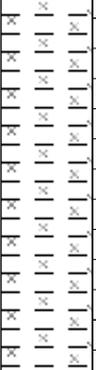
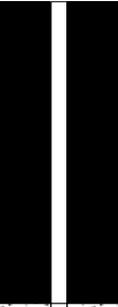
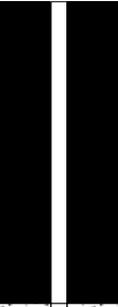
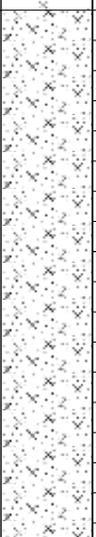
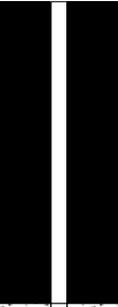
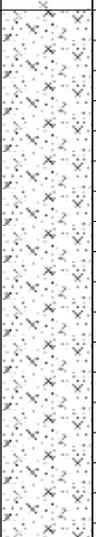
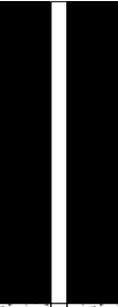
Remarks

1.Sides slightly unstable below 3.00m.
 2.No water encountered.
 3.Plain pipe installed from ground level to 1.00m in a bentonite surround. Slotted pipe installed from 1.00m to 5.00m in a gravel surround.
 4.Bung, valve and lockable cover installed.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck		Client: Ashwood Homes	
Logged: CP	Checked: PK	Field Book Ref: CP20/03	Plant: Competitor Rig
Date: 25/11/2020	Approved: PK	Scale: 1:25	Drawing Ref: WS4

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.40)			
0.50 0.50 - 1.00	D B	T B		Firm light brown mottled orange brown slightly clayey sandy SILT becoming less clayey with depth (TIDAL FLAT DEPOSITS)		0.40 (0.70)			
1.00 - 1.45	C		6	Firm brown with orange brown and grey mottles slightly silty sandy CLAY (TIDAL FLAT DEPOSITS)		1.10 (0.30)			
1.50 1.50	D D	D T		Soft light brown and light grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		1.40			
2.00 - 2.45	C		0	...becoming very soft below 2.00m		(1.80)			
3.00 - 3.45	C		6	...becoming soft to firm with depth					
4.00 - 4.45	C		7	Loose wet light brown very silty fine grained SAND (TIDAL FLAT DEPOSITS) ...becoming greyish brown and with thin laminations of grey organic silt below 3.60m		3.20 (1.80)			
5.00 - 5.45	C		15	...becoming medium dense with depth		5.00			
				End of Borehole at 5.00m					

Remarks

1.Sides slightly unstable below 3.20m.
 2.Water encountered at 3.20m.
 3.Plain pipe installed from ground level to 1.00m in a bentonite surround. Slotted pipe installed from 1.00m to 5.00m in a gravel surround.
 4.Bung, valve and lockable cover installed.

Key

D = Disturbed Sample
 U = Undisturbed Sample
 B = Bulk Sample
 J = Jar Sample
 V = Vial Sample
 W = Water Sample

S = Standard Penetration Test (Split Spoon)
 C = Standard Penetration Test (Cone)
 = Water Strike (m)
 = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

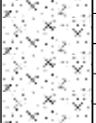
Plant: Competitor Rig

Drawing Ref: WS5

Date: 25/11/2020

Approved: PK

Scale: 1:25

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.45)			
0.50	D	T		Firm light brown mottled orange brown sandy SILT (TIDAL FLAT DEPOSITS)		0.45			
1.00 - 1.45	C		5			(1.15)			
1.75	D	T		Very soft damp light brown mottled orange brown silty sandy CLAY (TIDAL FLAT DEPOSITS)		1.60			
2.00	D	D		Very soft dark grey slightly silty CLAY with black organic matter (TIDAL FLAT DEPOSITS)		1.85			
2.00 - 2.45	C		1	...grading to very sandy very clayey silty sand with depth		(0.85)			
3.00 - 3.45	C		3	Very soft light grey silty CLAY with black organic matter (TIDAL FLAT DEPOSITS)		2.70			
						(1.15)			
4.00 - 4.45	C		3	Loose light greyish brown silty fine grained SAND (TIDAL FLAT DEPOSITS)		3.85			
				...becoming loose to medium dense with depth		(1.15)			
5.00 - 5.45	C		10	End of Borehole at 5.00m		5.00			

Remarks

1.Sides slightly unstable below 1.00m.
 2.Slight water seepage encountered at 1.60m.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

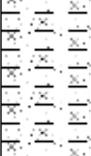
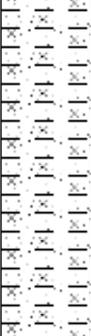
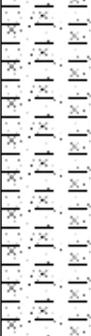
Plant: Competitor Rig

Drawing Ref: WS6

Date: 25/11/2020

Approved: PK

Scale: 1:25

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		0.25			
				Firm brown slightly clayey sandy SILT (TIDAL FLAT DEPOSITS)		0.40			
0.50	D	T		Firm brown becoming mottled orange brown and light grey very silty very sandy thinly laminated CLAY (TIDAL FLAT DEPOSITS)					
0.75	D	D							
1.00 - 1.45	C		4						
1.50	D	T							
2.00 - 2.45	C		0	...becoming mainly brown with light grey smears with depth ...becoming very soft below 1.80m		(3.50)			
3.00 - 3.45	C		1	...becoming greyish brown and very sandy below 2.80m					
4.00 - 4.45	C		6	Loose greyish brown very silty fine grained SAND (TIDAL FLAT DEPOSITS)		3.90			
						(1.10)			
5.00 - 5.45	C		14	...becoming medium dense with depth		5.00			
End of Borehole at 5.00m									

Remarks

1.Sides slightly unstable below 3.00m.
 2.Slight water seepage encountered at 3.90m.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

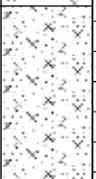
Plant: Competitor Rig

Drawing Ref: WS7

Date: 26/11/2020

Approved: PK

Scale: 1:25

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.40)			
0.50	D	T		Firm light orange brown sandy SILT (TIDAL FLAT DEPOSITS)		0.40 (0.55)			
1.00 1.00 - 1.45	D C	D	5	Firm becoming soft light brown mottled orange brown and light grey slightly silty CLAY with light grey fine sand partings (TIDAL FLAT DEPOSITS)		0.95			
1.50	D	T							
2.00 - 2.45	C		0	...becoming very soft, grey and with black organic matter below 2.00m ...no recovery between 2.00m and 3.00m		(2.80)			
3.00 - 3.45	C		4						
4.00 - 4.45	C		33	Medium dense to dense greyish brown very silty fine grained SAND with black fibrous root inclusions (TIDAL FLAT DEPOSITS)		3.75 (1.25)			
5.00 - 5.45	C		34	End of Borehole at 5.00m		5.00			

Remarks

1.Sides slightly unstable below 2.00m.
 2.Slight water seepage encountered at 1.45m.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

Plant: Competitor Rig

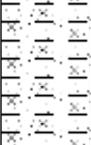
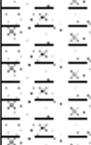
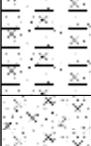
Drawing Ref: WS8

Date: 26/11/2020

Approved: PK

Scale: 1:25

Scale: 1:25

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.40)			
0.50 0.50	D D	D T		Firm light brown silty sandy CLAY (TIDAL FLAT DEPOSITS) ...becoming soft mottled orange brown and grey and thinly laminated below 0.65m		0.40			
1.00 - 1.45	C		4						
1.50	D	T		...becoming mainly brown with light grey smears slightly sandy clay below 1.45m		(2.30)			
2.00 - 2.45	C		0	...becoming very soft grey and with black organic matter below 1.95m					
3.00 - 3.45	C		15	Medium dense wet greyish brown very silty fine grained SAND (TIDAL FLAT DEPOSITS) ...becoming light brown below 3.00m		2.70			
4.00 - 4.45	C		20	End of Borehole at 4.00m		(1.30)			
5.00 - 5.45	C		20			4.00			

Remarks

- Sides slightly unstable below 2.50m.
- Slight water seepage encountered at 2.70m.
- Borehole terminated at 4.00m due to side walls collapsing.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

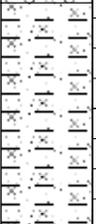
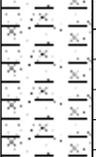
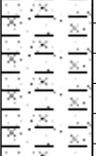
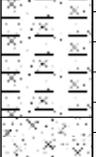
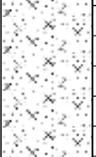
Plant: Competitor Rig

Drawing Ref: WS9

Date: 26/11/2020

Approved: PK

Scale: 1:25

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	T		Crop over brown silty clayey topsoil (DISTURBED TOPSOIL)		(0.40)			
0.50	D	T		Firm light brown sandy SILT (TIDAL FLAT DEPOSITS)		0.40			
1.00	D	D	8	Firm brown mottled orange brown and grey silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		0.65			
1.00 - 1.45	C			...becoming light brown with orange brown and light grey mottles slightly silty clay with fine sand pockets and water seepage below 1.15m					
1.50	D	T		...becoming very soft below 1.70m					
2.00 - 2.45	C		0			(3.20)			
3.00 - 3.45	C		4	...becoming grey and with black organic matter below 2.40m					
				...becoming wet and sandy below 3.00m					
4.00 - 4.45	C		4	Loose greyish brown very silty fine grained SAND (TIDAL FLAT DEPOSITS)		3.85			
						(1.15)			
5.00 - 5.45	C		5	End of Borehole at 5.00m		5.00			

Remarks

1.Sides slightly unstable below 3.60m.
 2.Slight water seepages encountered at 1.15m from sand pockets and 3.85m. Standing water level at 3.10m.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: CP

Checked: PK

Field Book Ref: CP20/03

Plant: Competitor Rig

Drawing Ref: WS10

Date: 26/11/2020

Approved: PK

Scale: 1:25

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	D1		Grass over brown silty clayey TOPSOIL (DISTURBED TOPSOIL)		(0.30)			
0.50	D	D2		Loose light brown sandy SILT (TIDAL FLAT DEPOSITS)		0.30 (0.30)			
				End of Borehole at 0.60m		0.60			

Remarks

1.Sides generally stable.
 2.No water encountered.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: BP

Checked: PK

Field Book Ref: BP20/01

Plant: Hand Auger

Drawing Ref: HA1

Date: 30/11/2020

Approved: PK

Scale: 1:10

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.00	D	D3		Brown clayey silty TOPSOIL (DISTURBED TOPSOIL)		(0.35)			
0.40	D	D4		Loose brown SILT (TIDAL FLAT DEPOSITS)		0.35			
				End of Borehole at 0.50m		0.50			

Remarks

1.Sides generally stable.
 2.No water encountered.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: BP

Checked: PK

Field Book Ref: BP20/01

Plant: Hand Auger

Drawing Ref: HA2

Date: 30/11/2020

Approved: PK

Scale: 1:10

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.00	D	D5		Brown slightly clayey silty TOPSOIL (DISTURBED TOPSOIL)					
				Loose light brown sandy SILT (TIDAL FLAT DEPOSITS)		0.25 (0.35)			
0.50	D	D6				0.60			
				End of Borehole at 0.60m					

Remarks

1.Sides generally stable.
 2.No water encountered.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: BP

Checked: PK

Field Book Ref: BP20/01

Plant: Hand Auger

Drawing Ref: HA3

Date: 30/11/2020

Approved: PK

Scale: 1:10

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	D7		Brown slightly clayey silty TOPSOIL (DISTURBED TOPSOIL)					
0.50	D	D8		Firm brown very silty CLAY (TIDAL FLAT DEPOSITS)		0.25 (0.35)			
				End of Borehole at 0.60m		0.60			

Remarks

1.Sides generally stable.
 2.No water encountered.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: BP

Checked: PK

Field Book Ref: BP20/01

Plant: Hand Auger

Drawing Ref: HA4

Date: 30/11/2020

Approved: PK

Scale: 1:10

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.10	D	D9		Grass over brown clayey silty TOPSOIL (DISTURBED TOPSOIL)		(0.30)			
0.50	D	D10		Firm light brown silty CLAY with occasional dark brown pockets (TIDAL FLAT DEPOSITS)		0.30 (0.30)			
				End of Borehole at 0.60m		0.60			

Remarks

1.Sides generally stable.
 2.No water encountered.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: BP

Checked: PK

Field Book Ref: BP20/01

Plant: Hand Auger

Drawing Ref: HA5

Date: 30/11/2020

Approved: PK

Scale: 1:10

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
0.00	D	D11		Brown clayey silty TOPSOIL (DISTURBED TOPSOIL)		(0.35)			
				...with dark brown organic patches below approximately 0.20m					
0.50	D	D12		Firm light brown silty CLAY (TIDAL FLAT DEPOSITS)		0.35			
				End of Borehole at 0.60m		0.60			

Remarks

1.Sides generally stable.
 2.No water encountered.

Key

- D = Disturbed Sample
- U = Undisturbed Sample
- B = Bulk Sample
- J = Jar Sample
- V = Vial Sample
- W = Water Sample
- S = Standard Penetration Test (Split Spoon)
- C = Standard Penetration Test (Cone)
-  = Water Strike (m)
-  = Steady Water Level (m)

Project: Yews Farm, Pinchbeck

Client: Ashwood Homes

Logged: BP

Checked: PK

Field Book Ref: BP20/01

Plant: Hand Auger

Drawing Ref: HA6

Date: 30/11/2020

Approved: PK

Scale: 1:10

APPENDIX X

Plates

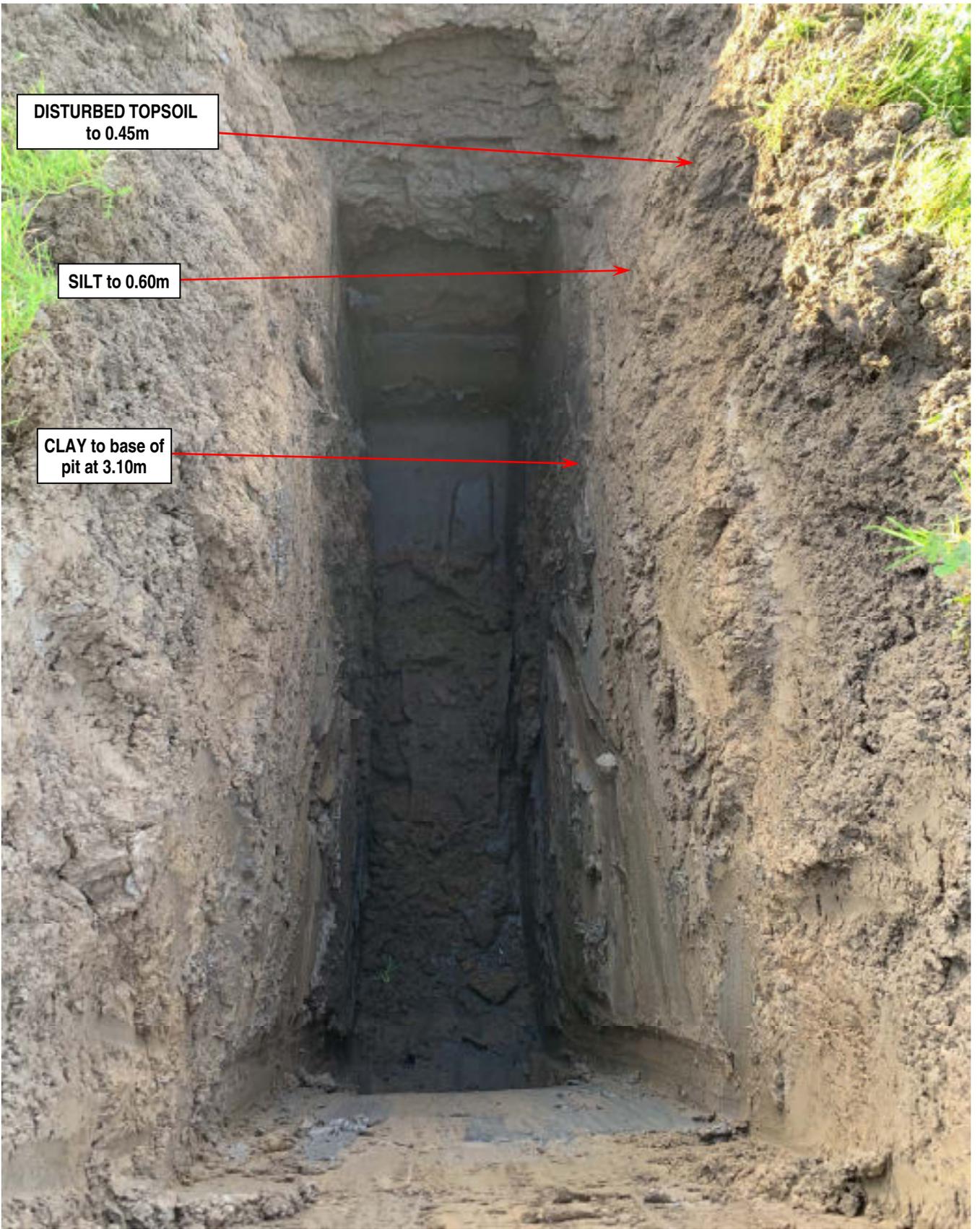


DISTURBED TOPSOIL
to 0.45m

CLAY to base of
pit at 2.90m

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP1 - Completed excavation	Plate No.	1





Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	TP3 - Completed excavation	Rev.	
		Plate No.	2





Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP5 - Completed excavation	Plate No.	3





Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	TP6 - Completed excavation	Rev.	
		Plate No.	4





Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP9 - Completed excavation	Plate No. 5	



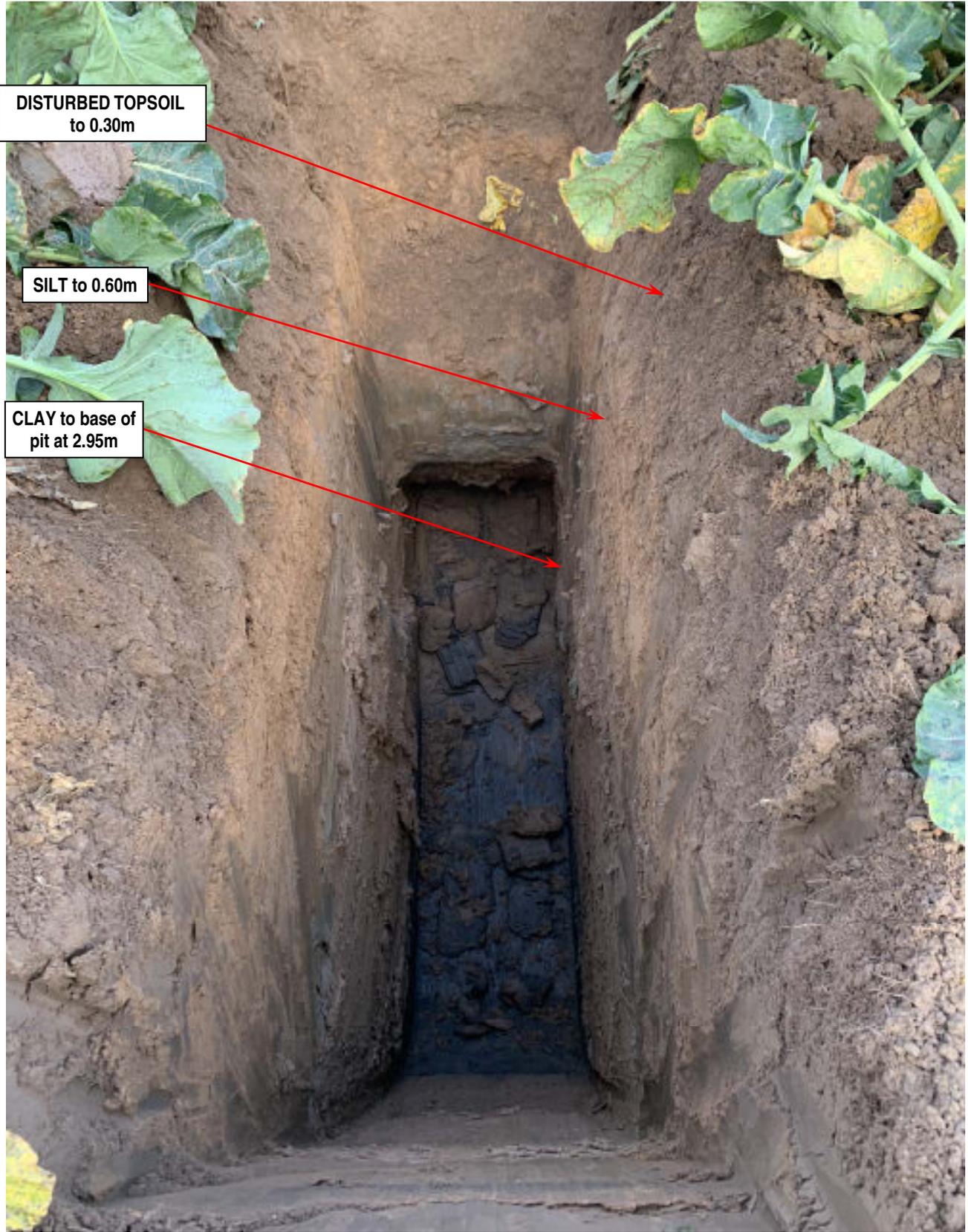


**DISTURBED TOPSOIL
to 0.30m**

**CLAY to base of
pit at 3.00m**

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP12 - Completed excavation	Plate No.	6





DISTURBED TOPSOIL
to 0.30m

SILT to 0.60m

CLAY to base of
pit at 2.95m

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP15 - Completed excavation	Plate No.	7





DISTURBED TOPSOIL
to 0.35m

SILT to 1.40m

CLAY to base of
pit at 2.90m

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	TP16 - Completed excavation	Rev.	
		Plate No.	8





DISTURBED TOPSOIL
to 0.35m

CLAY to base of
pit at 2.80m

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	TP18 - Completed excavation	Rev.	
		Plate No.	9





DISTURBED TOPSOIL
to 0.30m

CLAY with interbedded SILT
to base of pit at 3.00m

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP21 - Completed excavation	Plate No.	10





**DISTURBED TOPSOIL
to 0.30m**

SILT to 0.65m

**CLAY with interbedded SILT
to base of pit at 2.90m**

Standing water at base of pit

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP23 - Completed excavation	Plate No.	11



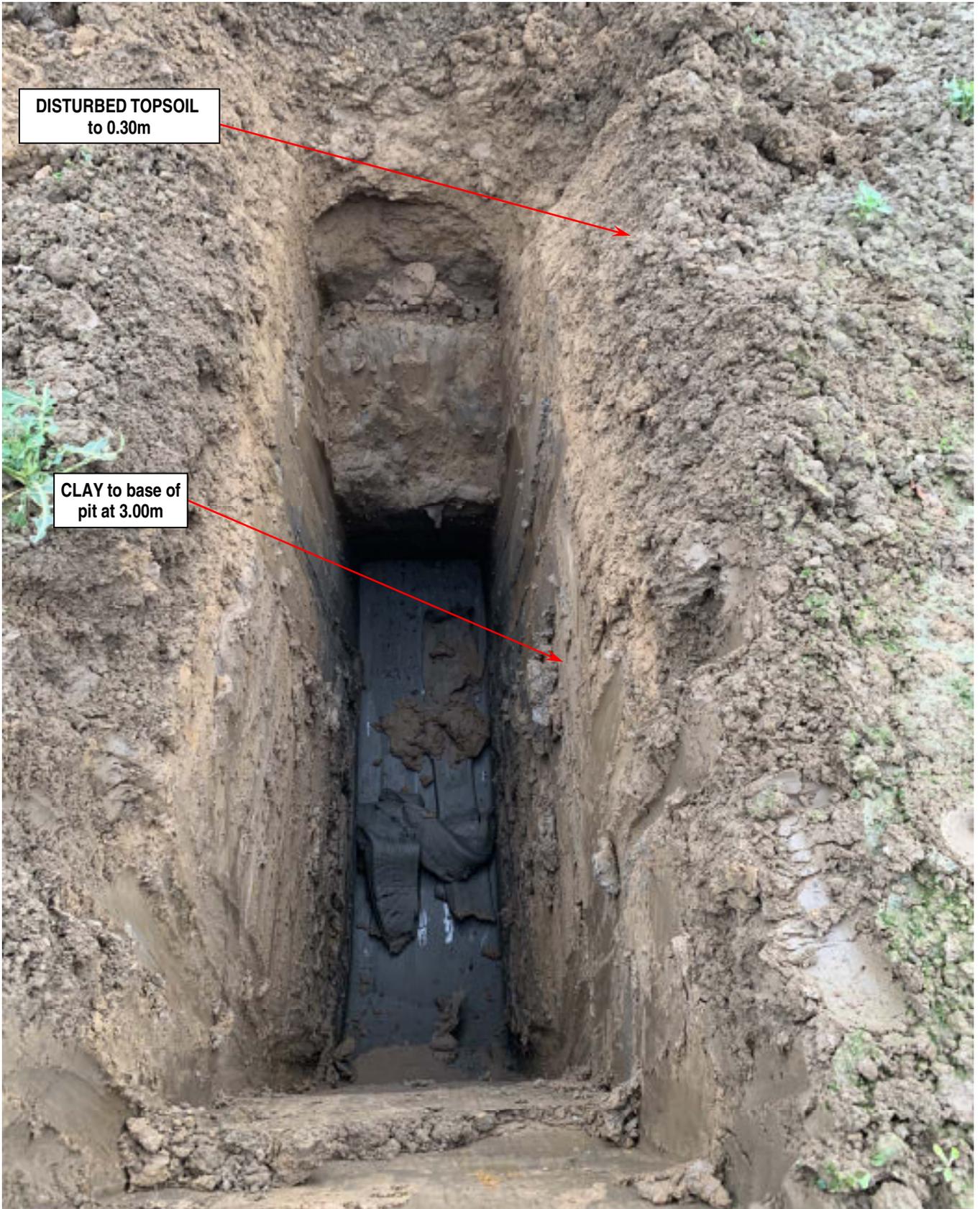


DISTURBED TOPSOIL
to 0.30m

CLAY to base of
pit at 3.00m

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP26 - Completed excavation	Plate No.	12





**DISTURBED TOPSOIL
to 0.30m**

**CLAY to base of
pit at 3.00m**

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP30 - Completed excavation	Plate No.	13





DISTURBED TOPSOIL
to 0.30m

CLAY to base of
pit at 3.10m

Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
		Rev.	
Title	TP34 - Completed excavation	Plate No.	14





**DISTURBED TOPSOIL
to 0.35m**

**CLAY to base of
pit at 2.80m**

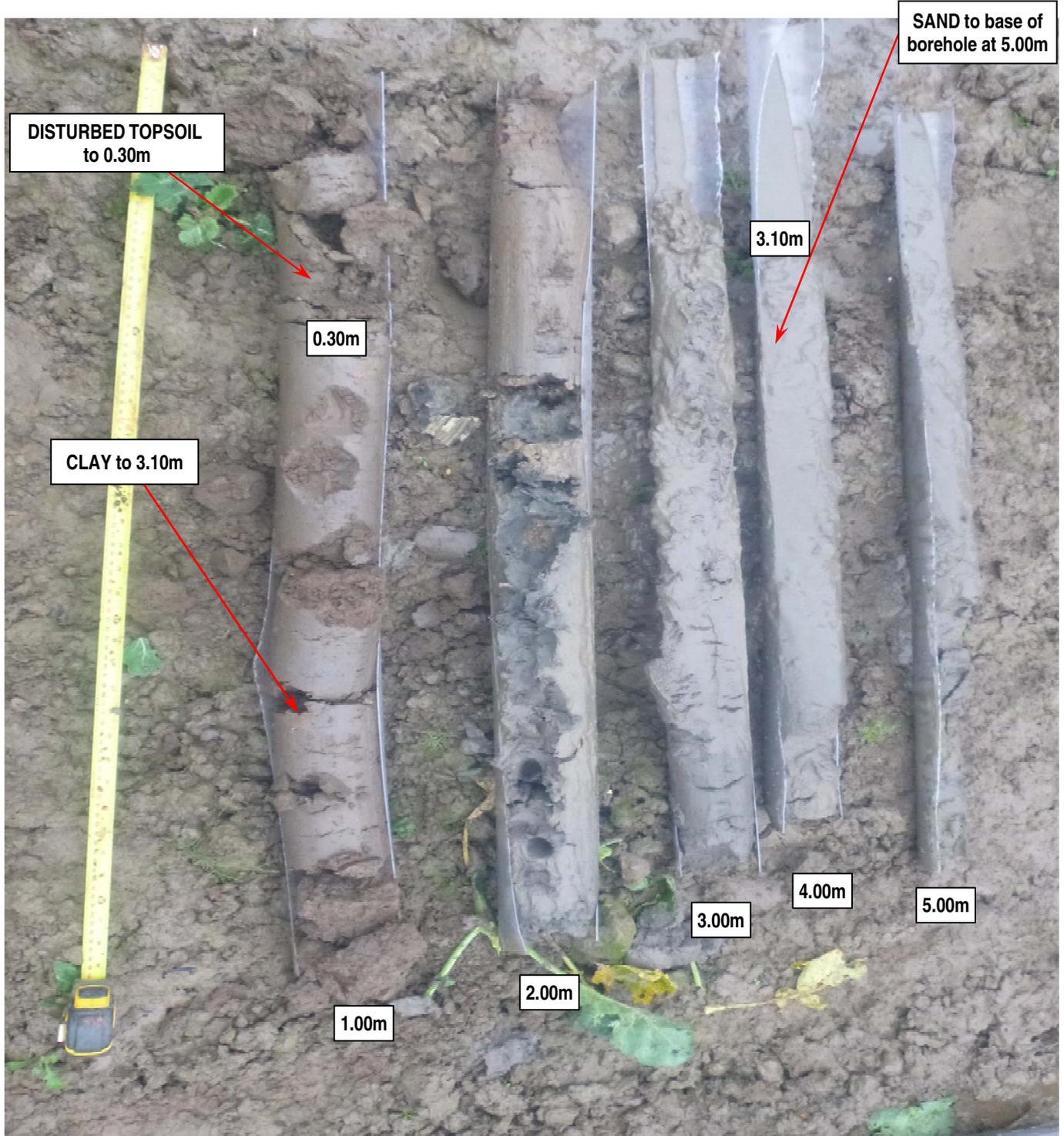
Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	TP37 - Completed excavation	Rev.	
		Plate No.	15





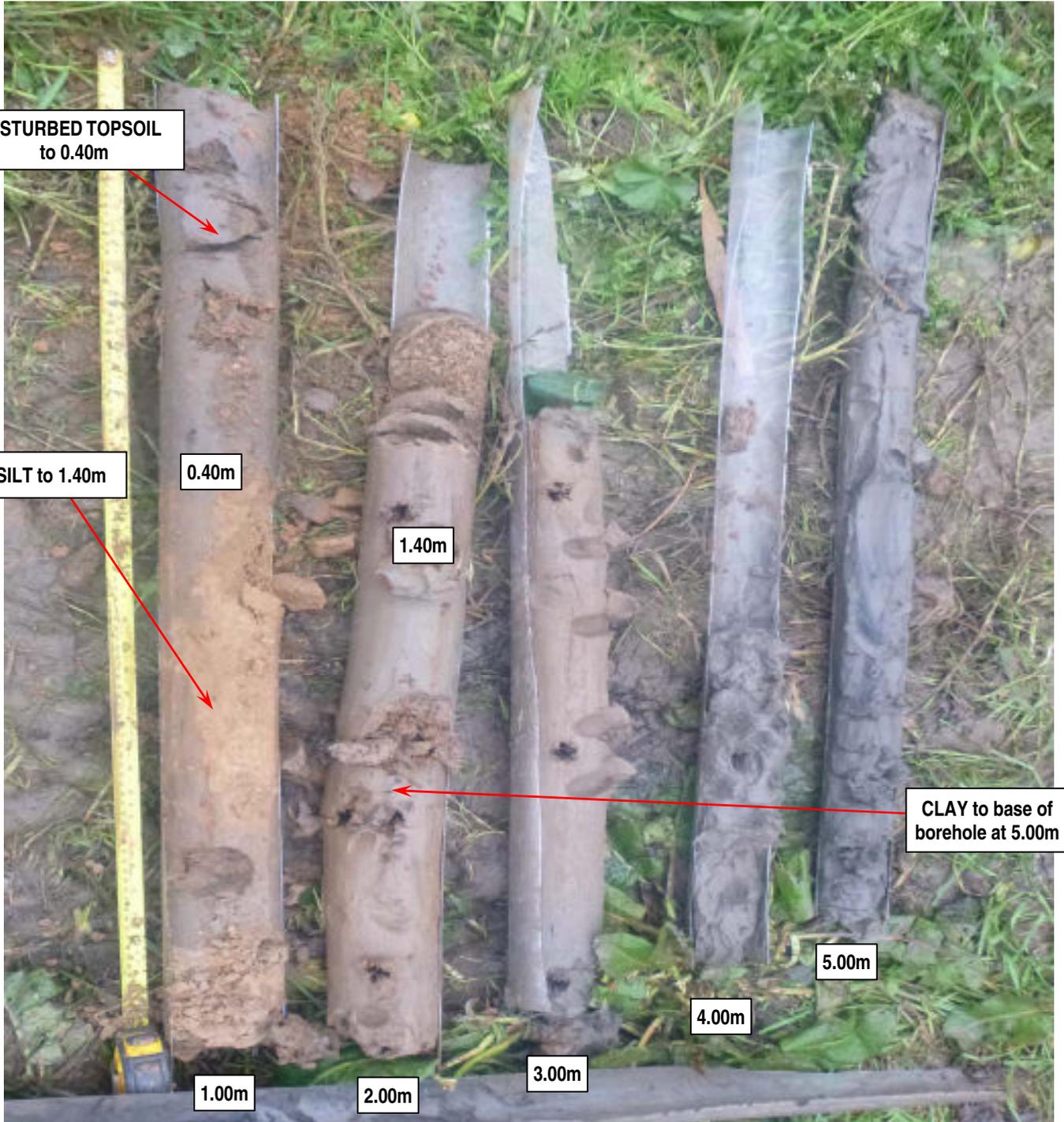
Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	WS1 - Recovered cores	Rev.	
		Plate No.	16





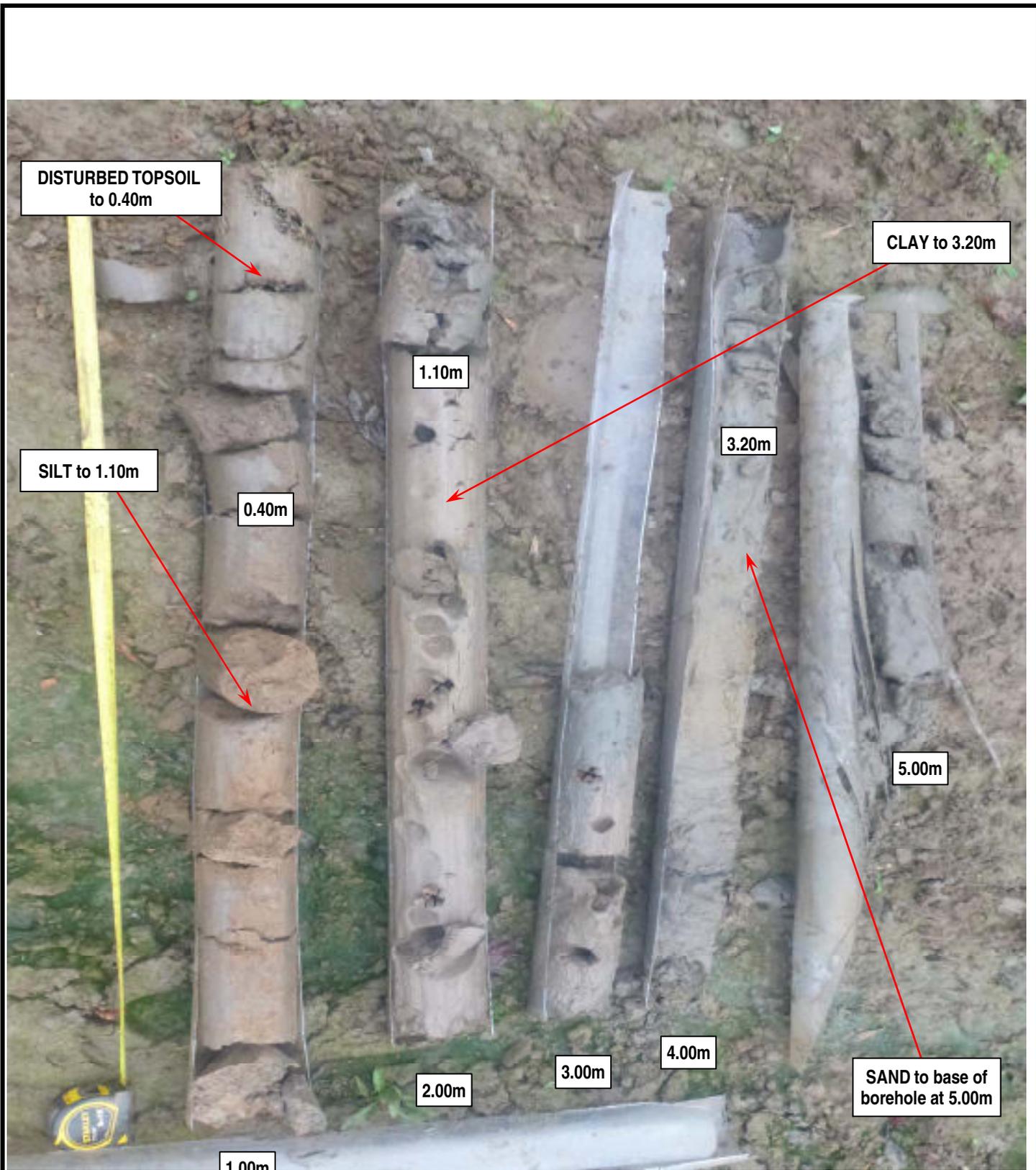
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Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	WS3 - Recovered cores	Rev.	
		Plate No.	17





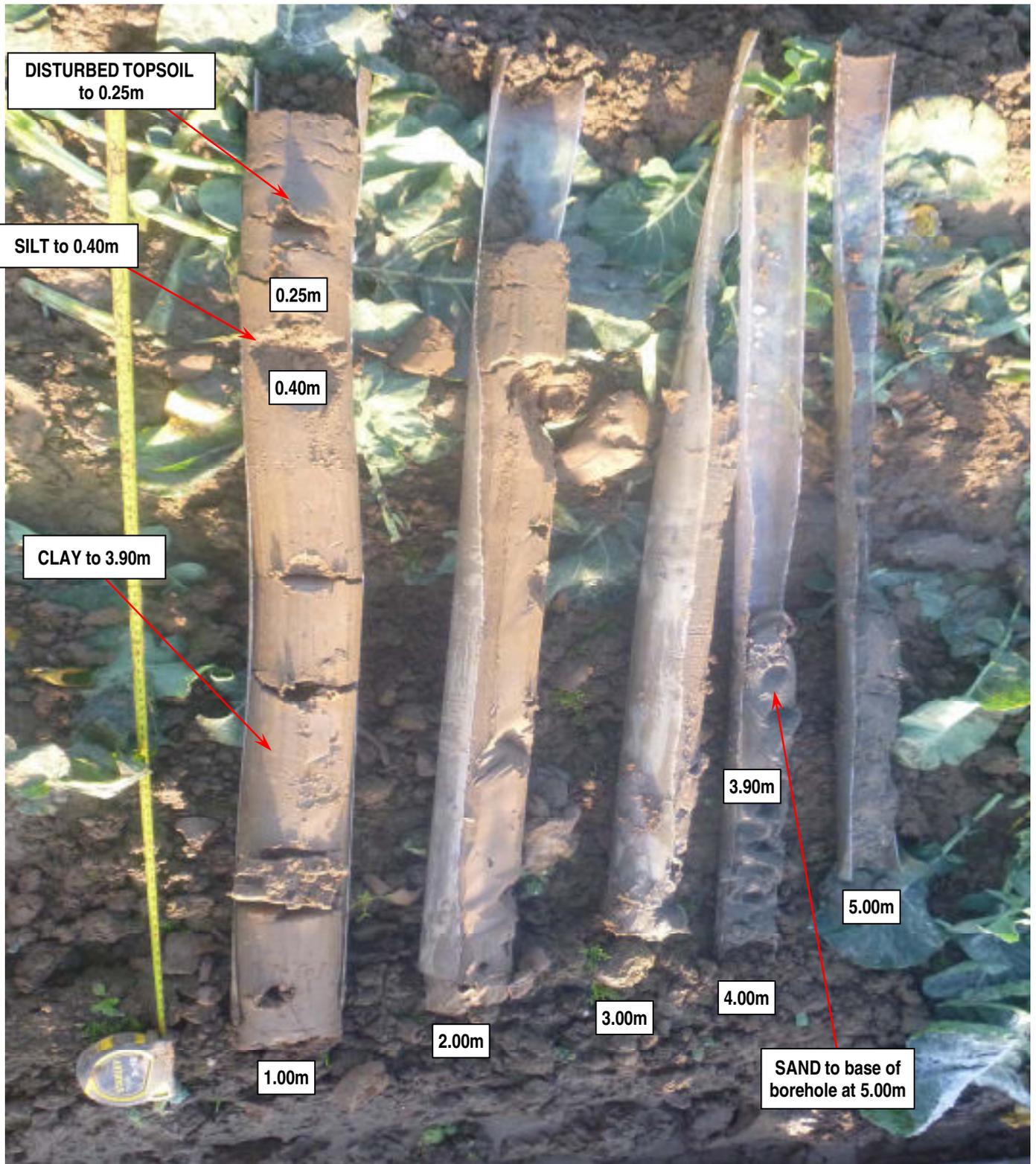
Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	WS4 - Recovered cores	Rev.	
		Plate No.	18





Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	WS5 - Recovered cores	Rev.	
		Plate No.	19





Project No.	D39032	Drawn	GH
Client	Ashwood Homes Ltd	Checked	<i>PK</i>
		Approved	<i>PK</i>
Project	Yews Farm Pinchbeck	Scale	NTS
		Date Drawn	07/01/2021
Title	WS7 - Recovered cores	Rev.	
		Plate No.	20



APPENDIX XI
Laboratory Soil Test Results



LABORATORY REPORT



4043

Contract Number: PSL20/6908

Report Date: 16 December 2020

Client's Reference: D39032

Client Name: Geodyne Derby
9 Brunel Parkway
Pride Park
Derby
DE24 8HR

For the attention of: Gavin Hallam

Contract Title: Yews Farm, Pinchbeck

Date Received: 30/11/2020

Date Commenced: 30/11/2020

Date Completed: 16/12/2020

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

H Daniels
(Senior Technician)

A Watkins
(Director)

R Berriman
(Quality Manager)

S Royle
(Laboratory Manager)

S Eyre
(Senior Technician)

L Knight
(Senior Technician)

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Page 1 of

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
WS1			0.50	1.00	Brown slightly sandy CLAY.
TP4			0.35	0.85	Brown sandy CLAY.
TP11			0.30	0.80	Brown slightly sandy CLAY.
TP24			0.30	0.80	Brown mottled grey slightly sandy CLAY.
TP1			1.00		Brown sandy CLAY.
TP3			0.50		Brown sandy CLAY.
TP5			0.45		Brown CLAY.
TP9			0.40		Brown sandy very clayey SILT.
TP12			0.60		Brown slightly gravelly CLAY.
TP13			1.20		Brown slightly sandy very clayey SILT.
TP15			0.50		Brown very sandy very silty CLAY.
TP18			1.10		Brown sandy CLAY.
TP20			1.40		Brown sandy CLAY.
TP23			0.55		Brown sandy CLAY.
TP25			1.20		Brown sandy very clayey SILT.
TP31			0.80		Brown sandy CLAY.
WS5			1.50		Brown slightly sandy CLAY.
WS7			0.75		Brown sandy CLAY.
WS8			1.00		Brown CLAY.



4043

PSL

Professional Soils Laboratory

Yews Farm, Pinchbeck

Contract No:

PSL20/6908

Client Ref:

D39032

SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content % Clause 3.2	Linear Shrinkage % Clause 6.5	Particle Density Mg/m ³ Clause 8.2	Liquid Limit % Clause 4.3/4	Plastic Limit % Clause 5.3	Plasticity Index % Clause 5.4	Passing .425mm %	Remarks
TP1			1.00		24			48	21	27	100	Intermediate Plasticity CI
TP3			0.50		24			43	20	23	100	Intermediate Plasticity CI
TP5			0.45		22			44	21	23	100	Intermediate Plasticity CI
TP12			0.60		34			73	30	43	96	Very High Plasticity CV
TP15			0.50		20			34	22	12	100	Low Plasticity CL
TP18			1.10		23			38	20	18	100	Intermediate Plasticity CI
TP20			1.40		30			37	20	17	100	Intermediate Plasticity CI
TP23			0.55		24			47	22	25	100	Intermediate Plasticity CI
TP25			1.20		26			38	25	13	100	Intermediate Plasticity MI
TP31			0.80		19			37	19	18	100	Intermediate Plasticity CI
WS5			1.50		34			55	24	31	100	High Plasticity CH
WS7			0.75		24			42	21	21	100	Intermediate Plasticity CI
WS8			1.00		40			66	27	39	98	High Plasticity CH
WS9			0.50		23			36	20	16	100	Intermediate Plasticity CI

SYMBOLS : NP : Non Plastic

* : Liquid Limit and Plastic Limit Wet Sieved.



4043

PSL
Professional Soils Laboratory

Yews Farm, Pinchbeck

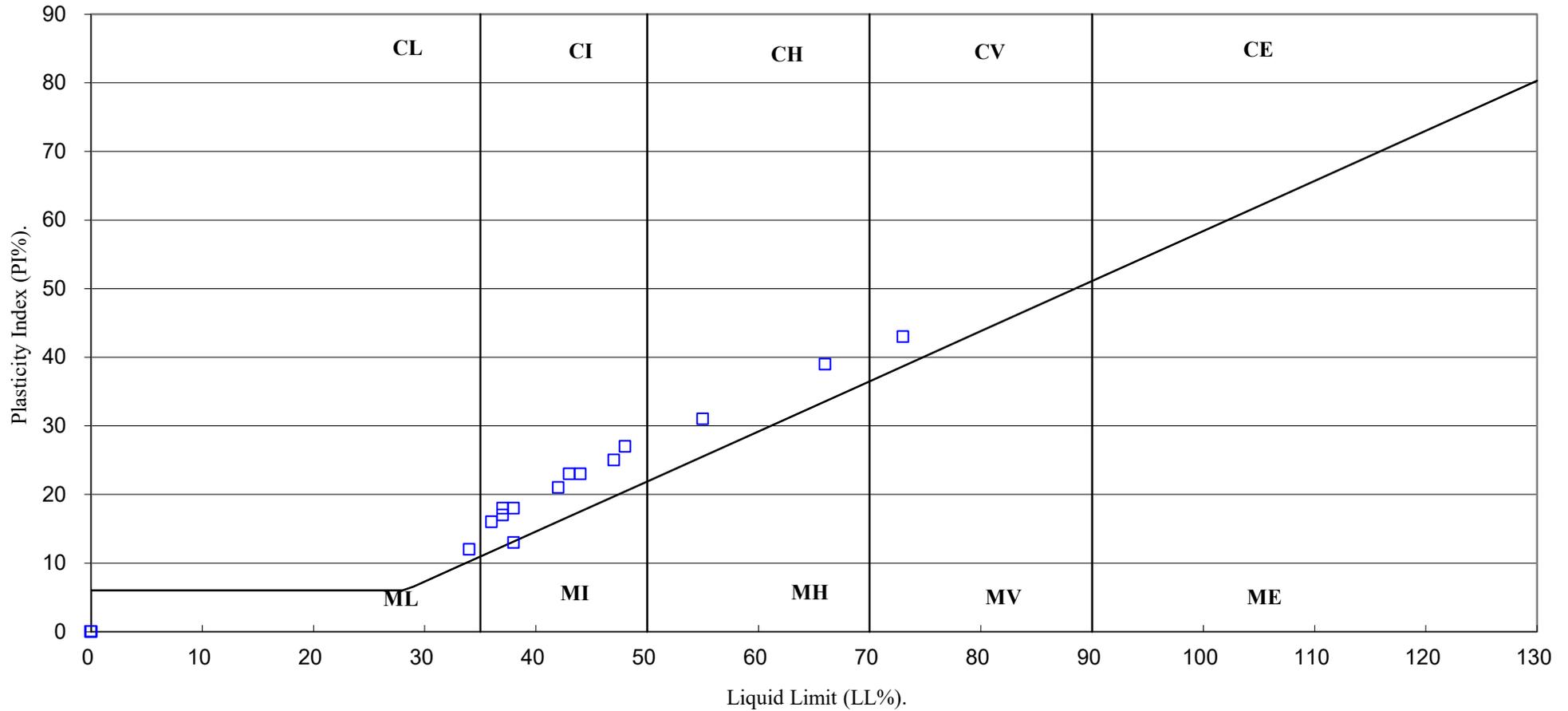
Contract No:

PSL20/6908

Client Ref:

D39032

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



4043

PSL
Professional Soils Laboratory

Yews Farm, Pinchbeck

Contract No:

PSL20/6908

Client Ref:

D39032

PARTICLE SIZE DISTRIBUTION TEST

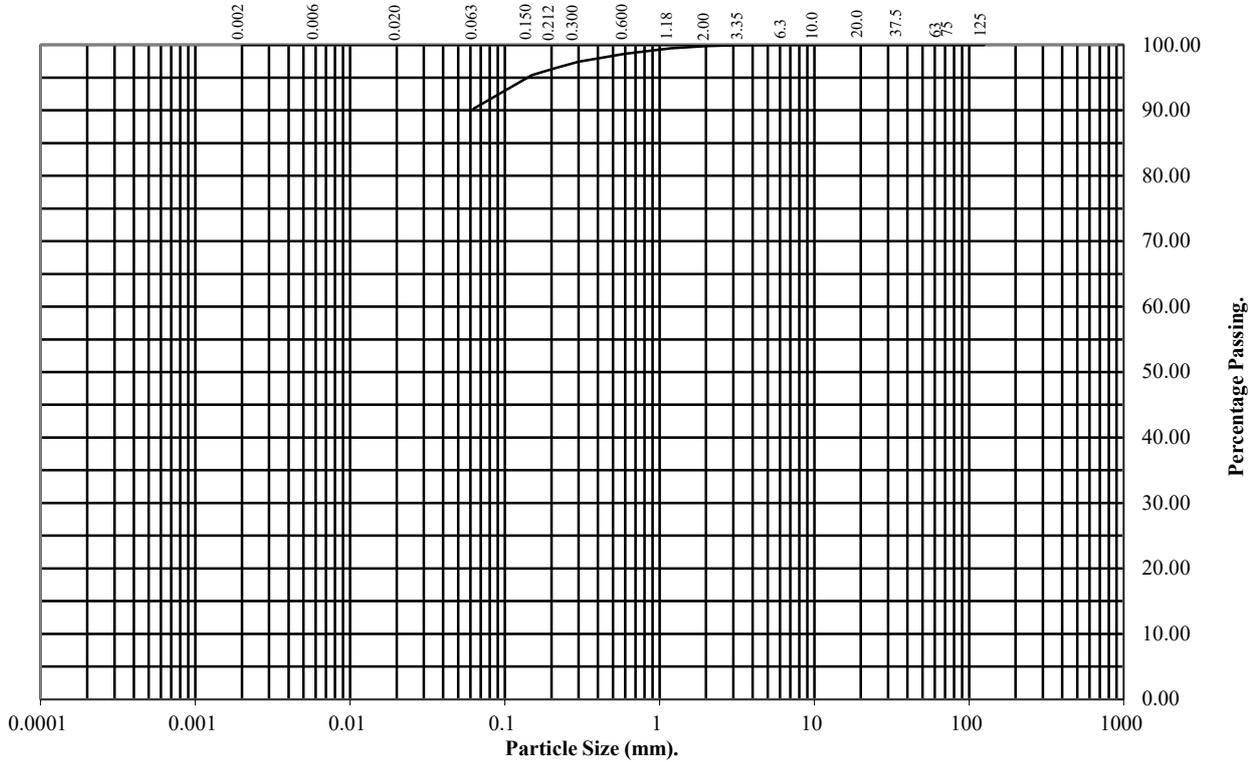
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: TP9 Top Depth (m): 0.40

Sample Number: Base Depth(m):

Sample Type:



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	100
2	100
1.18	99
0.6	99
0.3	97
0.212	96
0.15	95
0.063	90

Soil Fraction	Total Percentage
Cobbles	0
Gravel	0
Sand	10
Silt/Clay	90

Remarks:
See Summary of Soil Descriptions



Yews Farm, Pinchbeck

Contract No:
PSL20/6908
Client Ref:
D39032

PARTICLE SIZE DISTRIBUTION TEST

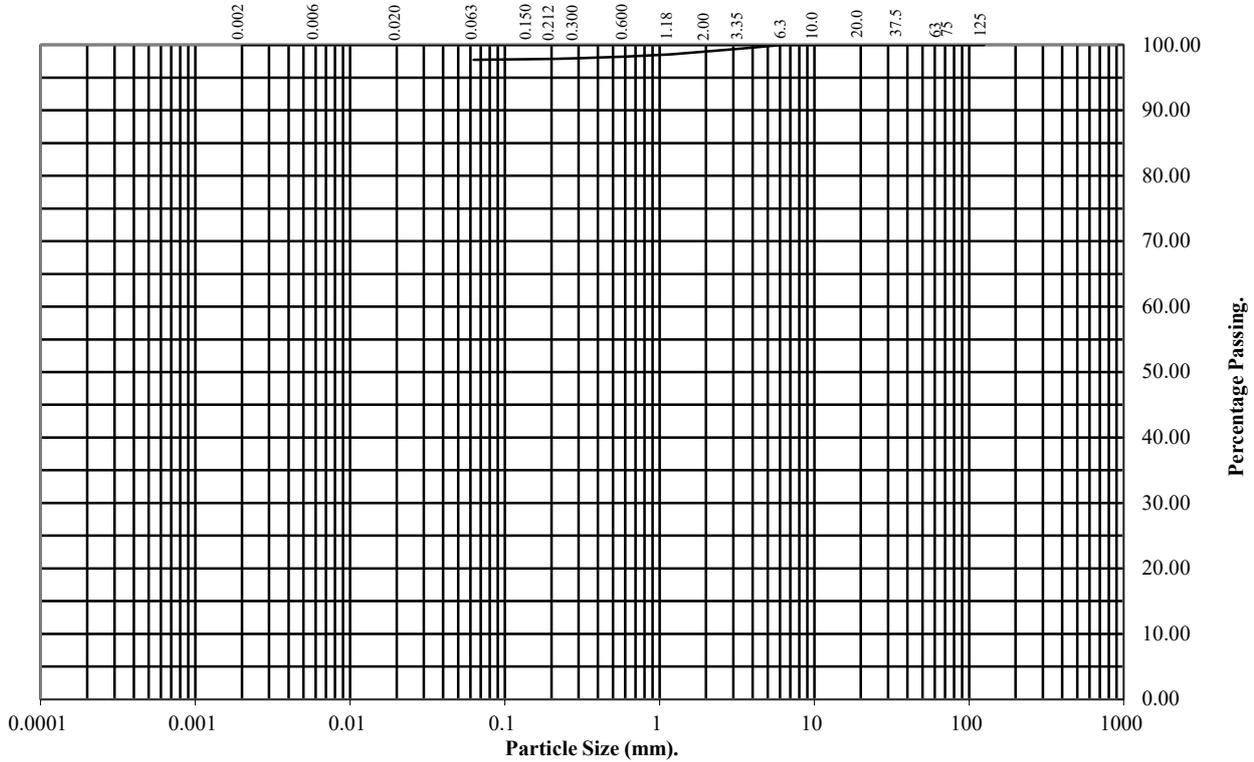
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: **WS8** **Top Depth (m):** **1.00**

Sample Number: **Base Depth(m):**

Sample Type:



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	99
2	99
1.18	99
0.6	98
0.3	98
0.212	98
0.15	98
0.063	98

Soil Fraction	Total Percentage
Cobbles	0
Gravel	1
Sand	1
Silt/Clay	98

Remarks:
See Summary of Soil Descriptions



Yews Farm, Pinchbeck

Contract No:
PSL20/6908
Client Ref:
D39032

CALIFORNIA BEARING RATIO TEST

BS 1377 : Part 4 : 1990

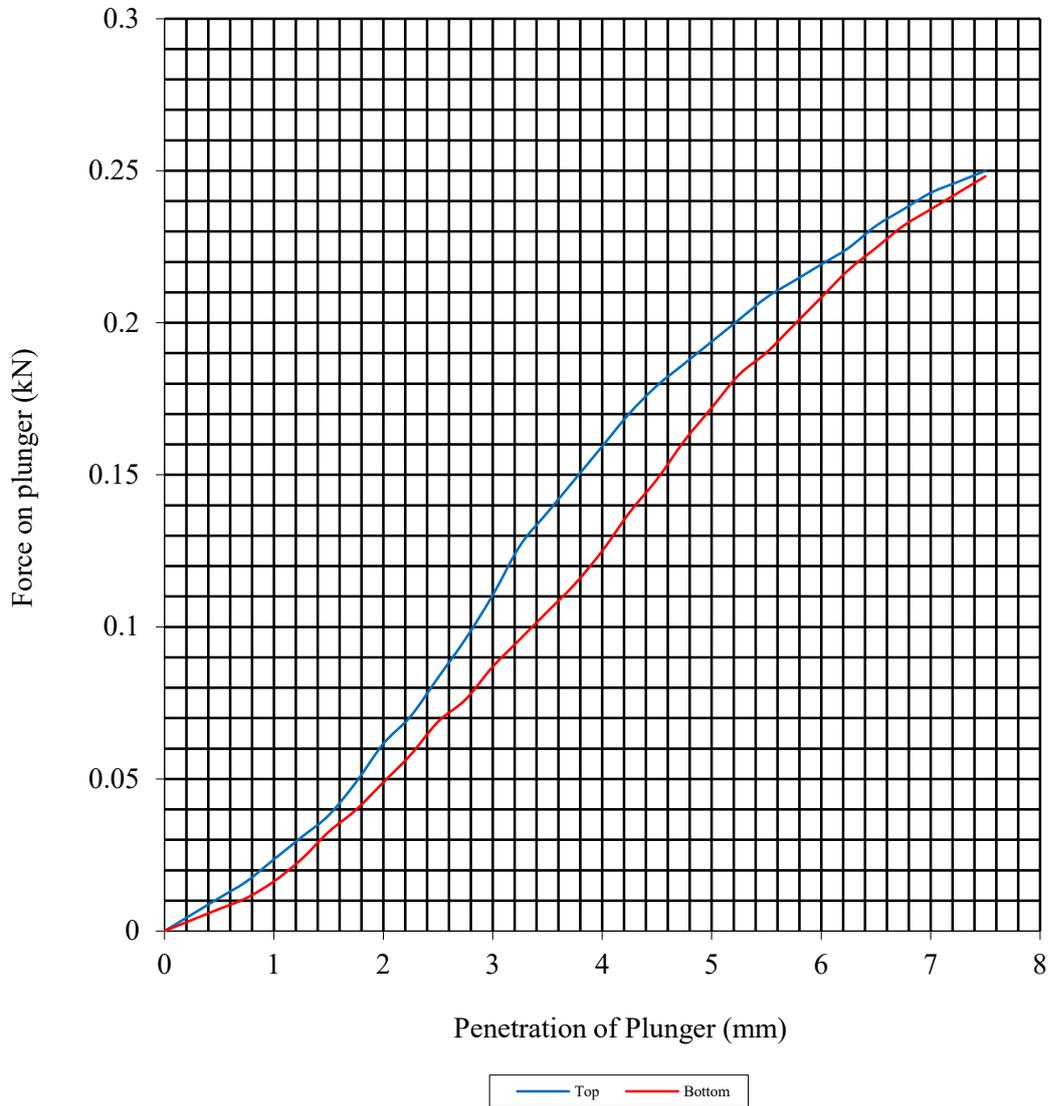
Hole Number: WS1

Top Depth (m): 0.50

Sample Number:

Base Depth (m): 1.00

Sample Type:



Initial Sample Conditions		Sample Preparation		Final Moisture Content %		C.B.R. Value %	
Moisture Content:	19	Surcharge Kg:	4.20	Sample Top	20	Sample Top	1.0
Bulk Density Mg/m ³ :	1.91	Soaking Time hrs	96	Sample Bottom	20	Sample Bottom	0.9
Dry Density Mg/m ³ :	1.61	Swelling mm:	1.02	Remarks : See Summary of Soil Descriptions.			
Percentage retained on 20mm BS test sieve:		0					
Compaction Conditions		2.5kg					



Yews Farm, Pinchbeck

Contract No:
PSL20/6908
Client Ref:
D39032

CALIFORNIA BEARING RATIO TEST

BS 1377 : Part 4 : 1990

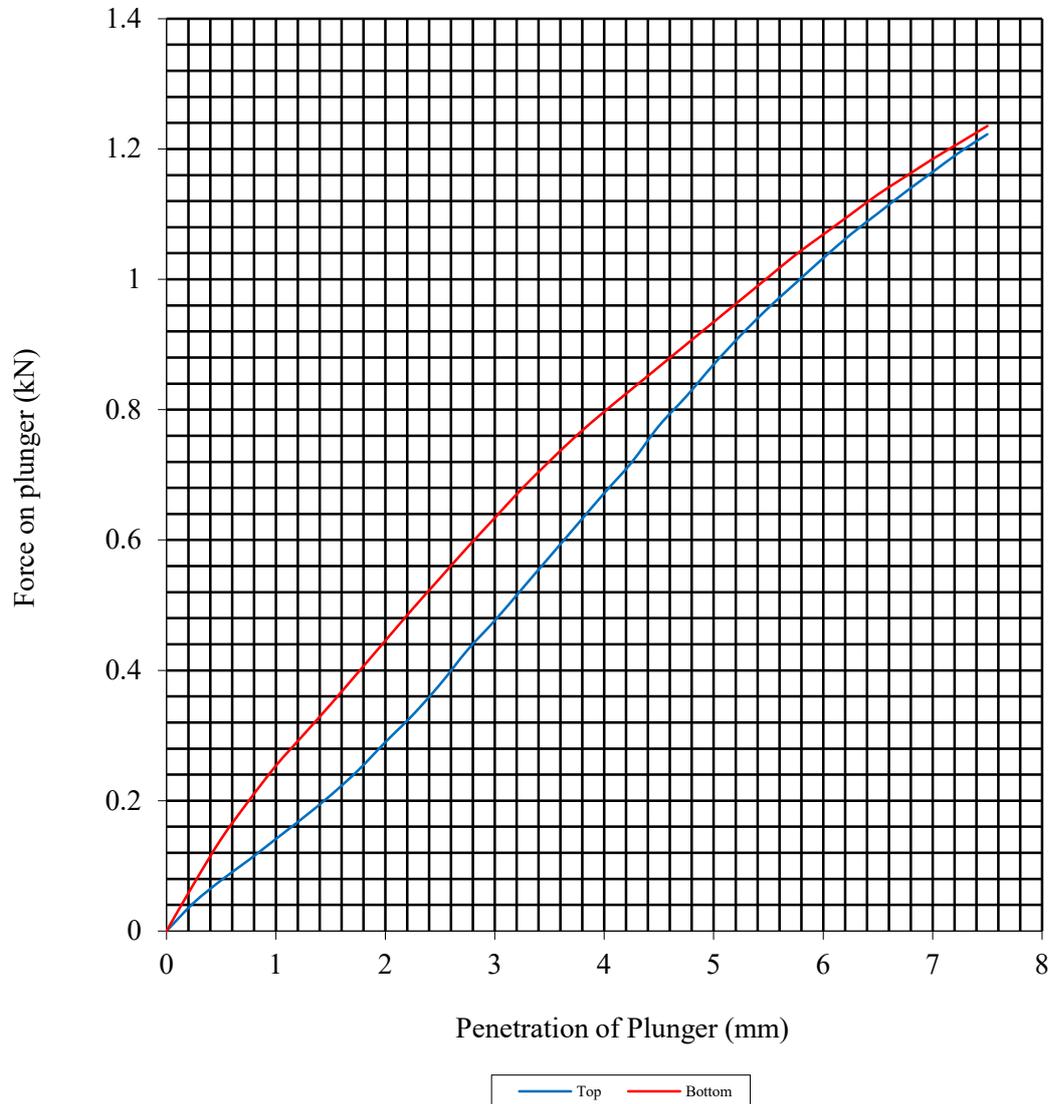
Hole Number: TP4

Top Depth (m): 0.35

Sample Number:

Base Depth (m): 0.85

Sample Type:



Initial Sample Conditions		Sample Preparation		Final Moisture Content %		C.B.R. Value %	
Moisture Content:	22	Surcharge Kg:	4.20	Sample Top	25	Sample Top	4.3
Bulk Density Mg/m ³ :	2.00	Soaking Time hrs	96	Sample Bottom	24	Sample Bottom	4.7
Dry Density Mg/m ³ :	1.64	Swelling mm:	0.62	Remarks : See Summary of Soil Descriptions.			
Percentage retained on 20mm BS test sieve:	0						
Compaction Conditions	2.5kg						



Yews Farm, Pinchbeck

Contract No:
PSL20/6908
Client Ref:
D39032

CALIFORNIA BEARING RATIO TEST

BS 1377 : Part 4 : 1990

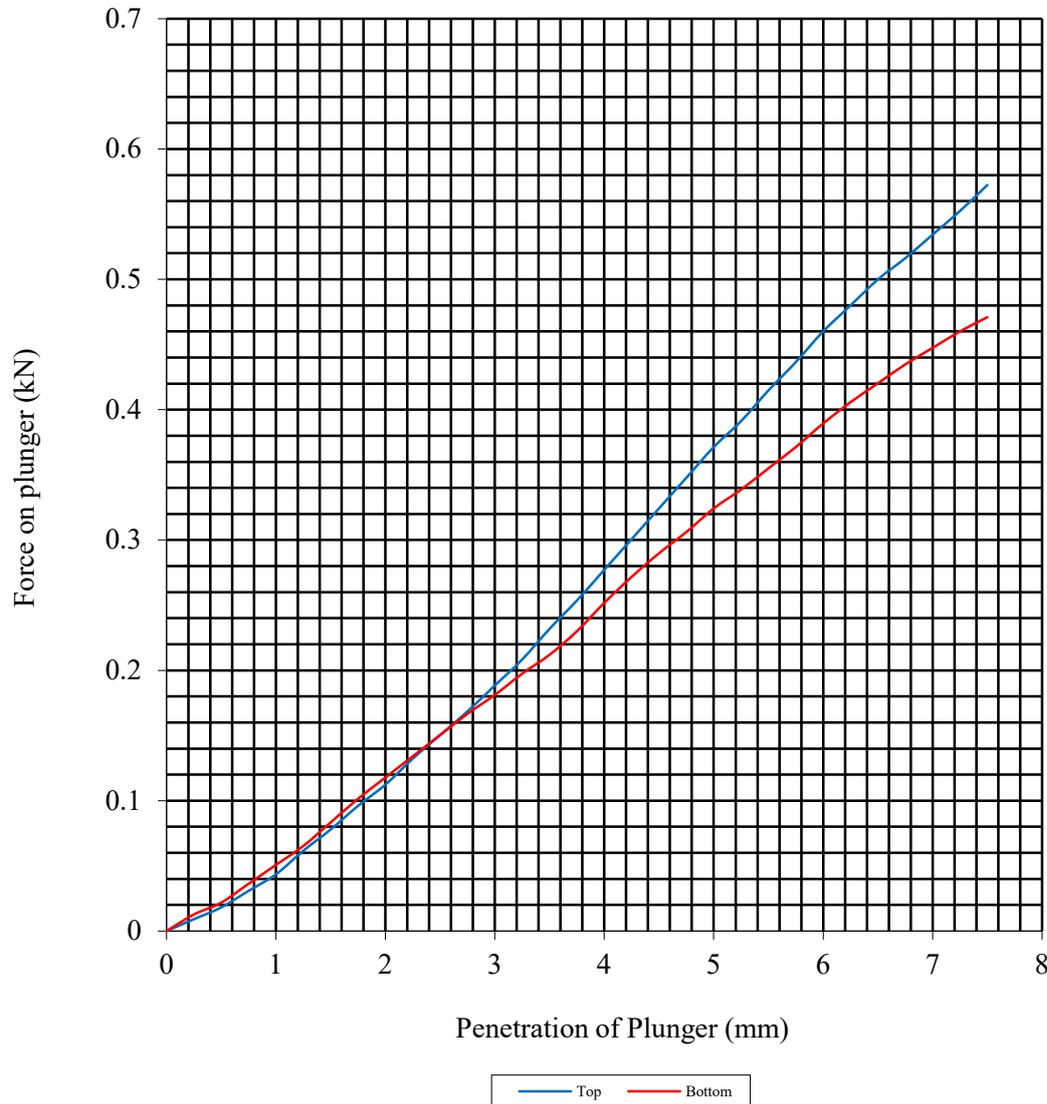
Hole Number: TP11

Top Depth (m): 0.30

Sample Number:

Base Depth (m): 0.80

Sample Type:



Initial Sample Conditions		Sample Preparation		Final Moisture Content %		C.B.R. Value %	
Moisture Content:	25	Surcharge Kg:	4.20	Sample Top	29	Sample Top	1.9
Bulk Density Mg/m ³ :	1.95	Soaking Time hrs	96	Sample Bottom	26	Sample Bottom	1.6
Dry Density Mg/m ³ :	1.55	Swelling mm:	0.91	Remarks : See Summary of Soil Descriptions.			
Percentage retained on 20mm BS test sieve:			0				
Compaction Conditions		2.5kg					



Yews Farm, Pinchbeck

Contract No:
PSL20/6908
Client Ref:
D39032

CALIFORNIA BEARING RATIO TEST

BS 1377 : Part 4 : 1990

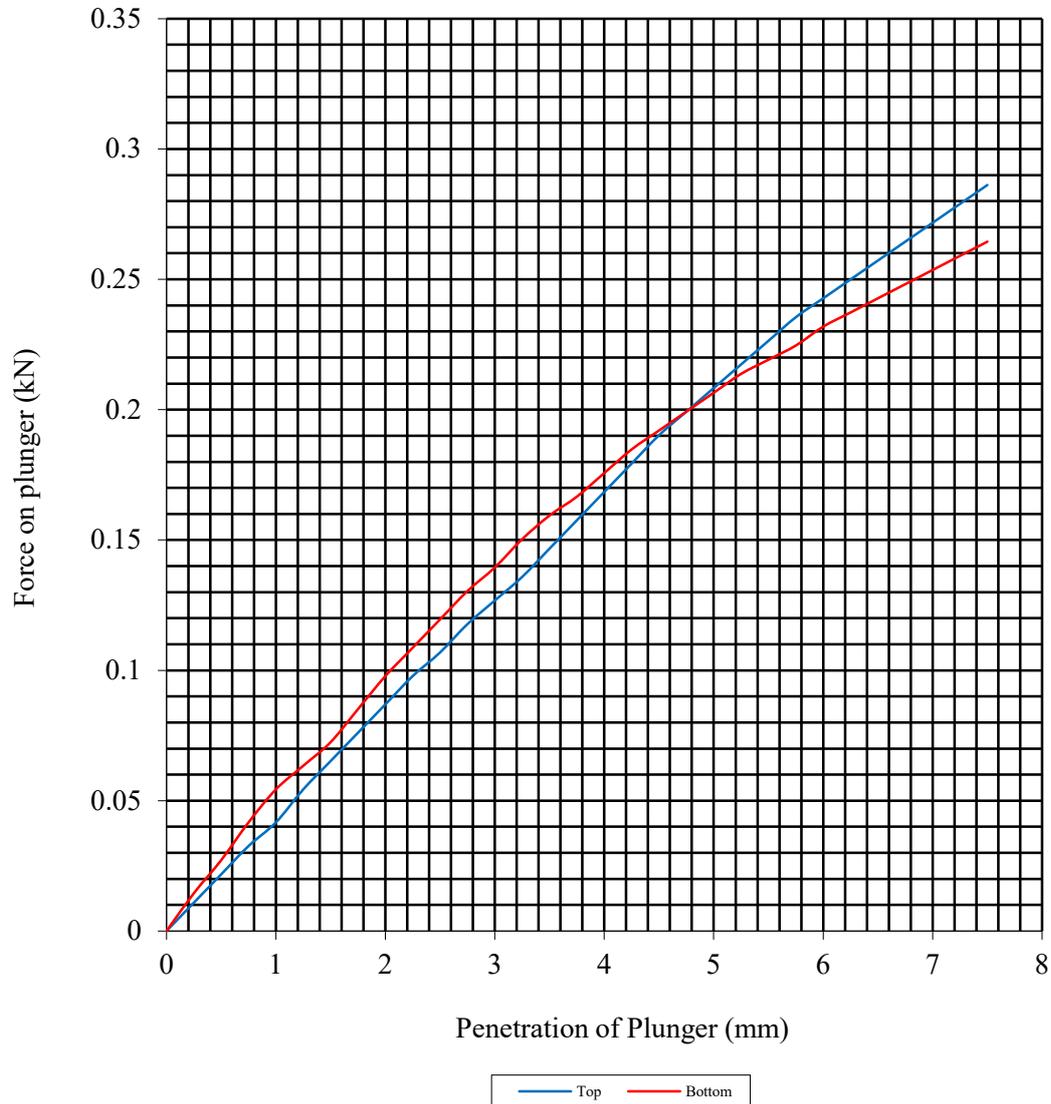
Hole Number: TP24

Top Depth (m): 0.30

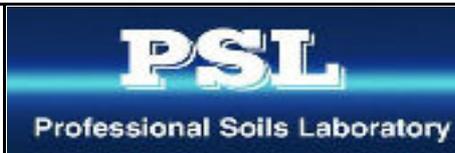
Sample Number:

Base Depth (m): 0.80

Sample Type:



Initial Sample Conditions		Sample Preparation		Final Moisture Content %		C.B.R. Value %	
Moisture Content:	26	Surcharge Kg:	4.20	Sample Top	28	Sample Top	1.0
Bulk Density Mg/m ³ :	1.93	Soaking Time hrs	96	Sample Bottom	28	Sample Bottom	1.0
Dry Density Mg/m ³ :	1.52	Swelling mm:	0.72	Remarks : See Summary of Soil Descriptions.			
Percentage retained on 20mm BS test sieve:	0						
Compaction Conditions	2.5kg						



Yews Farm, Pinchbeck

Contract No:
PSL20/6908
Client Ref:
D39032

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/10369
Issue Number: 1
Date: 10 December, 2020

Client: GeoDyne (Derby)
9 Brunel Parkway
Pride Park
Derby
Derbyshire
UK
DE24 8HR

Project Manager: Gavin Hallam
Project Name: Yews Farm, Pinchbeck
Project Ref: D39032
Order No: D39032/GH
Date Samples Received: 01/12/20
Date Instructions Received: 02/12/20
Date Analysis Completed: 09/12/20

Prepared by:


Melanie Marshall
Laboratory Coordinator

Approved by:


Sophie France
Client Service Manager

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/1	20/10369/8	20/10369/11	20/10369/13	20/10369/16	20/10369/18	20/10369/22	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS1	WS3	WS4	WS5	WS6	WS7	WS8			
Depth to Top	0.10	1.50	1.50	0.50	0.50	0.10	0.50			
Depth To Bottom										
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D			
Sample Matrix Code	5A	5AE	5A	5A	5A	5A	4A			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
pH _D ^{M#}	-	-	-	8.23	-	7.89	8.37	pH	0.01	A-T-031s
pH BRE _D ^{M#}	-	7.89	8.07	-	8.45	-	8.37	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	-	149	62	-	13	-	21	mg/l	10	A-T-026s
Total Organic Carbon _D ^{M#}	-	-	-	0.86	-	1.07	0.52	% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	-	-	-	4	-	5	4	mg/kg	1	A-T-024s
Cadmium _D ^{M#}	-	-	-	0.8	-	0.8	<0.5	mg/kg	0.5	A-T-024s
Copper _D ^{M#}	-	-	-	12	-	10	4	mg/kg	1	A-T-024s
Chromium _D ^{M#}	-	-	-	27	-	22	12	mg/kg	1	A-T-024s
Chromium (hexavalent) _D	-	-	-	<1	-	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	-	-	-	27	-	22	12	mg/kg	1	Calc
Lead _D ^{M#}	-	-	-	16	-	17	6	mg/kg	1	A-T-024s
Mercury _D	-	-	-	<0.17	-	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	-	-	-	18	-	16	10	mg/kg	1	A-T-024s
Selenium _D ^{M#}	-	-	-	1	-	<1	<1	mg/kg	1	A-T-024s
Zinc _D ^{M#}	-	-	-	50	-	46	23	mg/kg	5	A-T-024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Tecnazene _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Trifluralin _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Simazine _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Atrazine _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Quintozene (PCNB) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorothalonil _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triallate _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Aldrin _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triadimefon _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/1	20/10369/8	20/10369/11	20/10369/13	20/10369/16	20/10369/18	20/10369/22	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS1	WS3	WS4	WS5	WS6	WS7	WS8			
Depth to Top	0.10	1.50	1.50	0.50	0.50	0.10	0.50			
Depth To Bottom										
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D			
Sample Matrix Code	5A	5AE	5A	5A	5A	5A	4A			
Telodrin _A	<0.01	-	-	-	-	-	-			
Isodrin _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Pendimethalin _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor epoxide _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDE (2,4) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan I (Alpha) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDE (4,4) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dieldrin _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDD (2,4) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan II (Beta) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDD (4,4) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDT (2,4) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Aldehyde _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Ketone _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan Sulphate _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDT (4,4) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-Methoxychlor _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-Methoxychlor _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin I (cis) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin II (trans) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dichlorvos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Mevinphos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Demeton-S _A	<0.50	-	-	-	-	-	-	mg/kg	0.5	A-T-056
Demeton-O _A	<0.50	-	-	-	-	-	-	mg/kg	0.5	A-T-056
Phorate _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Dimethoate _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Propetamphos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Diazinon (Dimpylate) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Disulfoton _A	<0.10	-	-	-	-	-	-	mg/kg	0.1	A-T-056
Etrimphos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos-methyl _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/1	20/10369/8	20/10369/11	20/10369/13	20/10369/16	20/10369/18	20/10369/22	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS1	WS3	WS4	WS5	WS6	WS7	WS8			
Depth to Top	0.10	1.50	1.50	0.50	0.50	0.10	0.50			
Depth To Bottom										
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D			
Sample Matrix Code	5A	5AE	5A	5A	5A	5A	4A			
Parathion (Ethyl Parathion) _A	<0.01	-	-	-	-	-	-			
Methyl Parathion _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Pirimiphos-methyl _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenitrothion _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fensulphothion _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenthion _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Malathion _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorfenvinphos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Trichloronate _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion) _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Ethion _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Triazophos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Sulprofos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Carbophenothion _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Phosalone _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-methyl _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-ethyl _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056
Coumaphos _A	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/1	20/10369/8	20/10369/11	20/10369/13	20/10369/16	20/10369/18	20/10369/22	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS1	WS3	WS4	WS5	WS6	WS7	WS8			
Depth to Top	0.10	1.50	1.50	0.50	0.50	0.10	0.50			
Depth To Bottom										
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D			
Sample Matrix Code	5A	5AE	5A	5A	5A	5A	4A			
PAH-16MS										
Acenaphthene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Acenaphthylene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Anthracene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Chrysene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Fluoranthene _A ^{M#}	-	-	-	0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Fluorene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Naphthalene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Phenanthrene _A ^{M#}	-	-	-	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Pyrene _A ^{M#}	-	-	-	0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Total PAH-16MS _A ^{M#}	-	-	-	0.2	-	<0.1	<0.1	mg/kg	0.1	A-T-019s

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/24	20/10369/27	20/10369/32	20/10369/39	20/10369/40	20/10369/44	20/10369/45	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS9	WS10	TP2	TP6	TP6	TP8	TP9			
Depth to Top	0.10	0.10	0.50	0.20	0.80	1.30	0.10			
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5AE	5A	5A	6AE			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
pH _D ^{M#}	6.72	-	8.21	7.82	-	8.37	8.02	pH	0.01	A-T-031s
pH BRE _D ^{M#}	-	-	-	-	8.40	-	-	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	-	-	-	-	10	-	-	mg/l	10	A-T-026s
Total Organic Carbon _D ^{M#}	0.94	-	0.58	1.25	-	0.69	1.00	% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	6	-	9	5	-	12	6	mg/kg	1	A-T-024s
Cadmium _D ^{M#}	0.8	-	1.3	0.9	-	1.4	0.7	mg/kg	0.5	A-T-024s
Copper _D ^{M#}	10	-	13	11	-	14	9	mg/kg	1	A-T-024s
Chromium _D ^{M#}	23	-	42	29	-	40	20	mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	-	<1	<1	-	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	23	-	42	29	-	40	20	mg/kg	1	Calc
Lead _D ^{M#}	19	-	16	22	-	18	18	mg/kg	1	A-T-024s
Mercury _D	<0.17	-	<0.17	<0.17	-	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	18	-	28	21	-	33	14	mg/kg	1	A-T-024s
Selenium _D ^{M#}	1	-	<1	1	-	1	<1	mg/kg	1	A-T-024s
Zinc _D ^{M#}	48	-	61	50	-	69	39	mg/kg	5	A-T-024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Tecnazene _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Trifluralin _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Simazine _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Atrazine _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Quintozene (PCNB) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorothalonil _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Triallate _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Aldrin _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Triadimefon _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/24	20/10369/27	20/10369/32	20/10369/39	20/10369/40	20/10369/44	20/10369/45	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS9	WS10	TP2	TP6	TP6	TP8	TP9			
Depth to Top	0.10	0.10	0.50	0.20	0.80	1.30	0.10			
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5AE	5A	5A	6AE			
Telodrin _A	-	<0.01	-	-	-	-	-			
Isodrin _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Pendimethalin _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Heptachlor epoxide _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDE (2,4) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan I (Alpha) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDE (4,4) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Dieldrin _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDD (2,4) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan II (Beta) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDD (4,4) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-DDT (2,4) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Aldehyde _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Endrin Ketone _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Endosulphan Sulphate _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-DDT (4,4) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
o,p-Methoxychlor _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
p,p-Methoxychlor _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin I (cis) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Permethrin II (trans) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Dichlorvos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Mevinphos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Demeton-S _A	-	<0.50	-	-	-	-	-	mg/kg	0.5	A-T-056
Demeton-O _A	-	<0.50	-	-	-	-	-	mg/kg	0.5	A-T-056
Phorate _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Dimethoate _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Propetamphos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Diazinon (Dimpylate) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Disulfoton _A	-	<0.10	-	-	-	-	-	mg/kg	0.1	A-T-056
Etrimphos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos-methyl _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/24	20/10369/27	20/10369/32	20/10369/39	20/10369/40	20/10369/44	20/10369/45	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS9	WS10	TP2	TP6	TP6	TP8	TP9			
Depth to Top	0.10	0.10	0.50	0.20	0.80	1.30	0.10			
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5AE	5A	5A	6AE			
Parathion (Ethyl Parathion) _A	-	<0.01	-	-	-	-	-			
Methyl Parathion _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Pirimiphos-methyl _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenitrothion _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Fensulphothion _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Fenthion _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Malathion _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorfenvinphos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Trichloronate _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion) _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Ethion _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Triazophos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Sulprofos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Carbophenothion _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Phosalone _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-methyl _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Azinphos-ethyl _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056
Coumaphos _A	-	<0.01	-	-	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/24	20/10369/27	20/10369/32	20/10369/39	20/10369/40	20/10369/44	20/10369/45	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS9	WS10	TP2	TP6	TP6	TP8	TP9			
Depth to Top	0.10	0.10	0.50	0.20	0.80	1.30	0.10			
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5AE	5A	5A	6AE			
PAH-16MS										
Acenaphthene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Acenaphthylene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Anthracene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Chrysene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Fluoranthene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Fluorene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Naphthalene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Phenanthrene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Pyrene _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s
Total PAH-16MS _A ^{M#}	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	mg/kg	0.1	A-T-019s

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/48	20/10369/49	20/10369/52	20/10369/55	20/10369/57	20/10369/59	20/10369/61	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP10	TP11	TP12	TP14	TP15	TP16	TP17			
Depth to Top	1.60	0.20	1.30	0.60	0.20	0.50	0.10			
Depth To Bottom										
Date Sampled	23-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5A	6AE	5A	5AE			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
pH _D ^{M#}	-	8.20	8.46	-	-	8.42	-	pH	0.01	A-T-031s
pH BRE _D ^{M#}	8.15	-	-	8.22	-	-	-	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	27	-	-	17	-	-	-	mg/l	10	A-T-026s
Total Organic Carbon _D ^{M#}	-	0.61	0.54	-	-	0.44	-	% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	-	7	3	-	-	4	-	mg/kg	1	A-T-024s
Cadmium _D ^{M#}	-	0.9	1.0	-	-	0.7	-	mg/kg	0.5	A-T-024s
Copper _D ^{M#}	-	9	12	-	-	7	-	mg/kg	1	A-T-024s
Chromium _D ^{M#}	-	24	34	-	-	21	-	mg/kg	1	A-T-024s
Chromium (hexavalent) _D	-	<1	<1	-	-	<1	-	mg/kg	1	A-T-040s
Chromium (trivalent)	-	24	34	-	-	21	-	mg/kg	1	Calc
Lead _D ^{M#}	-	11	13	-	-	10	-	mg/kg	1	A-T-024s
Mercury _D	-	<0.17	0.43	-	-	<0.17	-	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	-	19	25	-	-	15	-	mg/kg	1	A-T-024s
Selenium _D ^{M#}	-	<1	<1	-	-	<1	-	mg/kg	1	A-T-024s
Zinc _D ^{M#}	-	45	53	-	-	37	-	mg/kg	5	A-T-024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Tecnazene _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Trifluralin _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Simazine _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Atrazine _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Quintozene (PCNB) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Chlorothalonil _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Triallate _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Heptachlor _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Aldrin _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Triadimefon _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/48	20/10369/49	20/10369/52	20/10369/55	20/10369/57	20/10369/59	20/10369/61	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP10	TP11	TP12	TP14	TP15	TP16	TP17			
Depth to Top	1.60	0.20	1.30	0.60	0.20	0.50	0.10			
Depth To Bottom										
Date Sampled	23-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5A	6AE	5A	5AE			
Telodrin _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Isodrin _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Pendimethalin _A	-	-	-	-	<0.01	-	0.04	mg/kg	0.01	A-T-056
Heptachlor epoxide _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
o,p-DDE (2,4) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endosulphan I (Alpha) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-DDE (4,4) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Dieldrin _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
o,p-DDD (2,4) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endrin _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endosulphan II (Beta) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-DDD (4,4) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
o,p-DDT (2,4) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endrin Aldehyde _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endrin Ketone _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Endosulphan Sulphate _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-DDT (4,4) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
o,p-Methoxychlor _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
p,p-Methoxychlor _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Permethrin I (cis) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Permethrin II (trans) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Dichlorvos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Mevinphos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Demeton-S _A	-	-	-	-	<0.50	-	<0.50	mg/kg	0.5	A-T-056
Demeton-O _A	-	-	-	-	<0.50	-	<0.50	mg/kg	0.5	A-T-056
Phorate _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Dimethoate _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Propetamphos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Diazinon (Dimpylate) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Disulfoton _A	-	-	-	-	<0.10	-	<0.10	mg/kg	0.1	A-T-056
Etrimphos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Chlorpyrifos-methyl _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/48	20/10369/49	20/10369/52	20/10369/55	20/10369/57	20/10369/59	20/10369/61	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP10	TP11	TP12	TP14	TP15	TP16	TP17			
Depth to Top	1.60	0.20	1.30	0.60	0.20	0.50	0.10			
Depth To Bottom										
Date Sampled	23-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5A	6AE	5A	5AE			
Parathion (Ethyl Parathion) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Methyl Parathion _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Pirimiphos-methyl _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Fenitrothion _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Fensulphothion _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Fenthion _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Malathion _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Chlorfenvinphos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Chlorpyrifos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Trichloronate _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion) _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Ethion _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Triazophos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Sulprofos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Carbophenothion _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Phosalone _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Azinphos-methyl _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Azinphos-ethyl _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056
Coumaphos _A	-	-	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/48	20/10369/49	20/10369/52	20/10369/55	20/10369/57	20/10369/59	20/10369/61	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP10	TP11	TP12	TP14	TP15	TP16	TP17			
Depth to Top	1.60	0.20	1.30	0.60	0.20	0.50	0.10			
Depth To Bottom										
Date Sampled	23-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	5A	6AE	5A	5AE			
PAH-16MS										
Acenaphthene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Acenaphthylene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Anthracene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Chrysene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Fluoranthene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Fluorene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Naphthalene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Phenanthrene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Pyrene _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s
Total PAH-16MS _A ^{M#}	-	<0.1	<0.1	-	-	<0.1	-	mg/kg	0.1	A-T-019s

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/63	20/10369/70	20/10369/71	20/10369/72	20/10369/73	20/10369/75	20/10369/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP18	TP22	TP22	TP24	TP25	TP27	TP28			
Depth to Top	0.50	0.10	0.90	0.10	0.50	1.20	1.10			
Depth To Bottom										
Date Sampled	24-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	6AE	5A	5A	5A			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
pH _D ^{M#}	-	7.94	8.14	8.22	-	6.97	-	pH	0.01	A-T-031s
pH BRE _D ^{M#}	7.92	-	-	-	8.06	-	8.10	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	19	-	-	-	11	-	19	mg/l	10	A-T-026s
Total Organic Carbon _D ^{M#}	-	1.20	0.81	1.22	-	5.33	-	% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	-	7	7	7	-	9	-	mg/kg	1	A-T-024s
Cadmium _D ^{M#}	-	0.7	1.0	0.7	-	0.9	-	mg/kg	0.5	A-T-024s
Copper _D ^{M#}	-	11	11	10	-	26	-	mg/kg	1	A-T-024s
Chromium _D ^{M#}	-	18	33	18	-	38	-	mg/kg	1	A-T-024s
Chromium (hexavalent) _D	-	<1	<1	<1	-	<1	-	mg/kg	1	A-T-040s
Chromium (trivalent)	-	18	33	18	-	38	-	mg/kg	1	Calc
Lead _D ^{M#}	-	22	14	19	-	26	-	mg/kg	1	A-T-024s
Mercury _D	-	<0.17	<0.17	<0.17	-	<0.17	-	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	-	15	25	14	-	28	-	mg/kg	1	A-T-024s
Selenium _D ^{M#}	-	<1	<1	<1	-	<1	-	mg/kg	1	A-T-024s
Zinc _D ^{M#}	-	43	56	40	-	77	-	mg/kg	5	A-T-024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Tecnazene _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Trifluralin _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Simazine _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Atrazine _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Quintozene (PCNB) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Chlorothalonil _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Triallate _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Heptachlor _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Aldrin _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Triadimefon _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/63	20/10369/70	20/10369/71	20/10369/72	20/10369/73	20/10369/75	20/10369/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP18	TP22	TP22	TP24	TP25	TP27	TP28			
Depth to Top	0.50	0.10	0.90	0.10	0.50	1.20	1.10			
Depth To Bottom										
Date Sampled	24-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	6AE	5A	5A	5A			
Telodrin _A	-	-	-	<0.01	-	-	-			
Isodrin _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Pendimethalin _A	-	-	-	0.01	-	-	-	mg/kg	0.01	A-T-056
Heptachlor epoxide _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
trans-Chlordane (Gamma) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
o,p-DDE (2,4) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Endosulphan I (Alpha) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
cis-Chlordane (Alpha) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
p,p-DDE (4,4) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Dieldrin _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
o,p-DDD (2,4) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Endrin _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Endosulphan II (Beta) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
p,p-DDD (4,4) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
o,p-DDT (2,4) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Endrin Aldehyde _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Endrin Ketone _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Endosulphan Sulphate _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
p,p-DDT (4,4) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
o,p-Methoxychlor _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
p,p-Methoxychlor _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Permethrin I (cis) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Permethrin II (trans) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Dichlorvos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Mevinphos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Demeton-S _A	-	-	-	<0.50	-	-	-	mg/kg	0.5	A-T-056
Demeton-O _A	-	-	-	<0.50	-	-	-	mg/kg	0.5	A-T-056
Phorate _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Dimethoate _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Propetamphos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Diazinon (Dimpylate) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Disulfoton _A	-	-	-	<0.10	-	-	-	mg/kg	0.1	A-T-056
Etrimphos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos-methyl _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/63	20/10369/70	20/10369/71	20/10369/72	20/10369/73	20/10369/75	20/10369/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP18	TP22	TP22	TP24	TP25	TP27	TP28			
Depth to Top	0.50	0.10	0.90	0.10	0.50	1.20	1.10			
Depth To Bottom										
Date Sampled	24-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	6AE	5A	5A	5A			
Parathion (Ethyl Parathion) _A	-	-	-	<0.01	-	-	-			
Methyl Parathion _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Pirimiphos-methyl _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Fenitrothion _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Fensulphothion _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Fenthion _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Malathion _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Chlorfenvinphos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Chlorpyrifos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Trichloronate _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Prothiofos (Tokuthion) _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Ethion _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Triazophos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Sulprofos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Carbophenothion _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Phosalone _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Azinphos-methyl _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Azinphos-ethyl _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056
Coumaphos _A	-	-	-	<0.01	-	-	-	mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/63	20/10369/70	20/10369/71	20/10369/72	20/10369/73	20/10369/75	20/10369/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP18	TP22	TP22	TP24	TP25	TP27	TP28			
Depth to Top	0.50	0.10	0.90	0.10	0.50	1.20	1.10			
Depth To Bottom										
Date Sampled	24-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20			
Sample Type	Soil - D									
Sample Matrix Code	5A	5A	5A	6AE	5A	5A	5A			
PAH-16MS										
Acenaphthene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Acenaphthylene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Anthracene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Chrysene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Fluoranthene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Fluorene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Naphthalene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Phenanthrene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Pyrene _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s
Total PAH-16MS _A ^{M#}	-	<0.1	<0.1	<0.1	-	<0.1	-	mg/kg	0.1	A-T-019s

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/80	20/10369/82	20/10369/83					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP32	TP34	TP35							
Depth to Top	0.45	0.90	0.10							
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20							
Sample Type	Soil - D	Soil - D	Soil - D							
Sample Matrix Code	5A	5A	6AE							
% Stones >10mm _A	<0.1	<0.1	<0.1							
pH _D ^{M#}	-	-	7.37					pH	0.01	A-T-031s
pH BRE _D ^{M#}	8.40	8.31	-					pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	19	13	-					mg/l	10	A-T-026s
Total Organic Carbon _D ^{M#}	-	-	1.09					% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	-	-	8					mg/kg	1	A-T-024s
Cadmium _D ^{M#}	-	-	0.9					mg/kg	0.5	A-T-024s
Copper _D ^{M#}	-	-	13					mg/kg	1	A-T-024s
Chromium _D ^{M#}	-	-	31					mg/kg	1	A-T-024s
Chromium (hexavalent) _D	-	-	<1					mg/kg	1	A-T-040s
Chromium (trivalent)	-	-	31					mg/kg	1	Calc
Lead _D ^{M#}	-	-	31					mg/kg	1	A-T-024s
Mercury _D	-	-	<0.17					mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	-	-	22					mg/kg	1	A-T-024s
Selenium _D ^{M#}	-	-	<1					mg/kg	1	A-T-024s
Zinc _D ^{M#}	-	-	55					mg/kg	5	A-T-024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	-	<0.01					mg/kg	0.01	A-T-056
Tecnazene _A	-	-	<0.01					mg/kg	0.01	A-T-056
Trifluralin _A	-	-	<0.01					mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Simazine _A	-	-	<0.01					mg/kg	0.01	A-T-056
Atrazine _A	-	-	<0.01					mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Quintozene (PCNB) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Chlorothalonil _A	-	-	<0.01					mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Triallate _A	-	-	<0.01					mg/kg	0.01	A-T-056
Heptachlor _A	-	-	<0.01					mg/kg	0.01	A-T-056
Aldrin _A	-	-	<0.01					mg/kg	0.01	A-T-056
Triadimefon _A	-	-	<0.01					mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/80	20/10369/82	20/10369/83					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP32	TP34	TP35							
Depth to Top	0.45	0.90	0.10							
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20							
Sample Type	Soil - D	Soil - D	Soil - D							
Sample Matrix Code	5A	5A	6AE							
Telodrin _A	-	-	<0.01							
Isodrin _A	-	-	<0.01					mg/kg	0.01	A-T-056
Pendimethalin _A	-	-	0.37					mg/kg	0.01	A-T-056
Heptachlor epoxide _A	-	-	<0.01					mg/kg	0.01	A-T-056
trans-Chlordane (Gamma) _A	-	-	<0.01					mg/kg	0.01	A-T-056
o,p-DDE (2,4) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Endosulphan I (Alpha) _A	-	-	<0.01					mg/kg	0.01	A-T-056
cis-Chlordane (Alpha) _A	-	-	<0.01					mg/kg	0.01	A-T-056
p,p-DDE (4,4) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Dieldrin _A	-	-	<0.01					mg/kg	0.01	A-T-056
o,p-DDD (2,4) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Endrin _A	-	-	<0.01					mg/kg	0.01	A-T-056
Endosulphan II (Beta) _A	-	-	<0.01					mg/kg	0.01	A-T-056
p,p-DDD (4,4) _A	-	-	<0.01					mg/kg	0.01	A-T-056
o,p-DDT (2,4) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Endrin Aldehyde _A	-	-	<0.01					mg/kg	0.01	A-T-056
Endrin Ketone _A	-	-	<0.01					mg/kg	0.01	A-T-056
Endosulphan Sulphate _A	-	-	<0.01					mg/kg	0.01	A-T-056
p,p-DDT (4,4) _A	-	-	<0.01					mg/kg	0.01	A-T-056
o,p-Methoxychlor _A	-	-	<0.01					mg/kg	0.01	A-T-056
p,p-Methoxychlor _A	-	-	<0.01					mg/kg	0.01	A-T-056
Permethrin I (cis) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Permethrin II (trans) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Dichlorvos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Mevinphos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Demeton-S _A	-	-	<0.50					mg/kg	0.5	A-T-056
Demeton-O _A	-	-	<0.50					mg/kg	0.5	A-T-056
Phorate _A	-	-	<0.01					mg/kg	0.01	A-T-056
Dimethoate _A	-	-	<0.01					mg/kg	0.01	A-T-056
Propetamphos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Diazinon (Dimpylate) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Disulfoton _A	-	-	<0.10					mg/kg	0.1	A-T-056
Etrimphos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Chlorpyrifos-methyl _A	-	-	<0.01					mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/80	20/10369/82	20/10369/83					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP32	TP34	TP35							
Depth to Top	0.45	0.90	0.10							
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20							
Sample Type	Soil - D	Soil - D	Soil - D							
Sample Matrix Code	5A	5A	6AE							
Parathion (Ethyl Parathion) _A	-	-	<0.01							
Methyl Parathion _A	-	-	<0.01					mg/kg	0.01	A-T-056
Pirimiphos-methyl _A	-	-	<0.01					mg/kg	0.01	A-T-056
Fenitrothion _A	-	-	<0.01					mg/kg	0.01	A-T-056
Fensulphothion _A	-	-	<0.01					mg/kg	0.01	A-T-056
Fenthion _A	-	-	<0.01					mg/kg	0.01	A-T-056
Malathion _A	-	-	<0.01					mg/kg	0.01	A-T-056
Chlorfenvinphos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Chlorpyrifos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Trichloronate _A	-	-	<0.01					mg/kg	0.01	A-T-056
Prothiofos (Tokuthion) _A	-	-	<0.01					mg/kg	0.01	A-T-056
Ethion _A	-	-	<0.01					mg/kg	0.01	A-T-056
Triazophos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Sulprofos _A	-	-	<0.01					mg/kg	0.01	A-T-056
Carbophenothion _A	-	-	<0.01					mg/kg	0.01	A-T-056
Phosalone _A	-	-	<0.01					mg/kg	0.01	A-T-056
Azinphos-methyl _A	-	-	<0.01					mg/kg	0.01	A-T-056
Azinphos-ethyl _A	-	-	<0.01					mg/kg	0.01	A-T-056
Coumaphos _A	-	-	<0.01					mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10369

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10369/80	20/10369/82	20/10369/83					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP32	TP34	TP35							
Depth to Top	0.45	0.90	0.10							
Depth To Bottom										
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20							
Sample Type	Soil - D	Soil - D	Soil - D							
Sample Matrix Code	5A	5A	6AE							
PAH-16MS										
Acenaphthene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Acenaphthylene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Anthracene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Chrysene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Fluoranthene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Fluorene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Naphthalene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Phenanthrene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Pyrene _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s
Total PAH-16MS _A ^{M#}	-	-	<0.1					mg/kg	0.1	A-T-019s

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 1155µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

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

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/10442
Issue Number: 1
Date: 14 December, 2020

Client: GeoDyne (Derby)
9 Brunel Parkway
Pride Park
Derby
Derbyshire
UK
DE24 8HR

Project Manager: Ben Parry/Gavin Hallam
Project Name: Yews Farm, Pinchbeck
Project Ref: D39032
Order No: D39032
Date Samples Received: 03/12/20
Date Instructions Received: 03/12/20
Date Analysis Completed: 14/12/20

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



Danielle Brierley
Client Manager

Envirolab Job Number: 20/10442

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10442/4	20/10442/5	20/10442/10	20/10442/11				Units	Limit of Detection	Method ref
Client Sample No	D4	D5	D10	D11						
Client Sample ID	HA2	HA3	HA5	HA6						
Depth to Top	0.40	0.00	0.50	0.00						
Depth To Bottom										
Date Sampled	29-Nov-20	29-Nov-20	29-Nov-20	29-Nov-20						
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D						
Sample Matrix Code	2A	2A	5	5AE						
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1						
pH _D ^{M#}	7.89	7.97	7.81	7.19				pH	0.01	A-T-031s
Total Organic Carbon _D ^{M#}	1.24	1.47	2.04	1.47				% w/w	0.03	A-T-032s
Arsenic _D ^{M#}	4	3	5	4				mg/kg	1	A-T-024s
Cadmium _D ^{M#}	0.6	0.6	0.6	0.7				mg/kg	0.5	A-T-024s
Copper _D ^{M#}	12	9	10	12				mg/kg	1	A-T-024s
Chromium _D ^{M#}	18	20	18	24				mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1				mg/kg	1	A-T-040s
Chromium (trivalent)	18	20	18	24				mg/kg	1	Calc
Lead _D ^{M#}	21	20	22	26				mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17				mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	14	13	14	17				mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-024s
Zinc _D ^{M#}	41	36	37	47				mg/kg	5	A-T-024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Tecnazene _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Trifluralin _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
alpha-Hexachlorocyclohexane (HCH) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Hexachlorobenzene (HCB) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Simazine _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Atrazine _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
beta-Hexachlorocyclohexane (HCH) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Quintozene (PCNB) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Chlorothalonil _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
delta-Hexachlorocyclohexane (HCH) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Triallate _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Heptachlor _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Aldrin _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Triadimefon _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Telodrin _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Isodrin _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10442

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10442/4	20/10442/5	20/10442/10	20/10442/11				Units	Limit of Detection	Method ref
Client Sample No	D4	D5	D10	D11						
Client Sample ID	HA2	HA3	HA5	HA6						
Depth to Top	0.40	0.00	0.50	0.00						
Depth To Bottom										
Date Sampled	29-Nov-20	29-Nov-20	29-Nov-20	29-Nov-20						
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D						
Sample Matrix Code	2A	2A	5	5AE						
Pendimethalin _A	-	<0.01	-	<0.01						
Heptachlor epoxide _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
trans-Chlordane (Gamma) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
o,p-DDE (2,4) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Endosulphan I (Alpha) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
cis-Chlordane (Alpha) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
p,p-DDE (4,4) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Dieldrin _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
o,p-DDD (2,4) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Endrin _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Endosulphan II (Beta) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
p,p-DDD (4,4) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
o,p-DDT (2,4) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Endrin Aldehyde _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Endrin Ketone _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Endosulphan Sulphate _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
p,p-DDT (4,4) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
o,p-Methoxychlor _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
p,p-Methoxychlor _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Permethrin I (cis) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Permethrin II (trans) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Dichlorvos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Mevinphos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Demeton-S _A	-	<0.50	-	<0.50				mg/kg	0.5	A-T-056
Demeton-O _A	-	<0.50	-	<0.50				mg/kg	0.5	A-T-056
Phorate _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Dimethoate _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Propetamphos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Diazinon (Dimpylate) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Disulfoton _A	-	<0.10	-	<0.10				mg/kg	0.1	A-T-056
Etrimphos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Chlorpyrifos-methyl _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Parathion (Ethyl Parathion) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Methyl Parathion _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10442

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10442/4	20/10442/5	20/10442/10	20/10442/11				Units	Limit of Detection	Method ref
Client Sample No	D4	D5	D10	D11						
Client Sample ID	HA2	HA3	HA5	HA6						
Depth to Top	0.40	0.00	0.50	0.00						
Depth To Bottom										
Date Sampled	29-Nov-20	29-Nov-20	29-Nov-20	29-Nov-20						
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D						
Sample Matrix Code	2A	2A	5	5AE						
Pirimiphos-methyl _A	-	<0.01	-	<0.01						
Fenitrothion _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Fensulphothion _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Fenthion _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Malathion _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Chlorfenvinphos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Chlorpyrifos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Trichloronate _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Prothiofos (Tokuthion) _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Ethion _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Triazophos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Sulprofos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Carbophenothion _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Phosalone _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Azinphos-methyl _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Azinphos-ethyl _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056
Coumaphos _A	-	<0.01	-	<0.01				mg/kg	0.01	A-T-056

Envirolab Job Number: 20/10442

Client Project Name: Yews Farm, Pinchbeck

Client Project Ref: D39032

Lab Sample ID	20/10442/4	20/10442/5	20/10442/10	20/10442/11				Units	Limit of Detection	Method ref
Client Sample No	D4	D5	D10	D11						
Client Sample ID	HA2	HA3	HA5	HA6						
Depth to Top	0.40	0.00	0.50	0.00						
Depth To Bottom										
Date Sampled	29-Nov-20	29-Nov-20	29-Nov-20	29-Nov-20						
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D						
Sample Matrix Code	2A	2A	5	5AE						
PAH-16MS										
Acenaphthene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Acenaphthylene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Anthracene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Chrysene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Fluoranthene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Fluorene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Naphthalene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Phenanthrene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Pyrene _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s
Total PAH-16MS _A ^{M#}	<0.1	<0.1	<0.1	<0.1				mg/kg	0.1	A-T-019s

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 1155µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

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

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

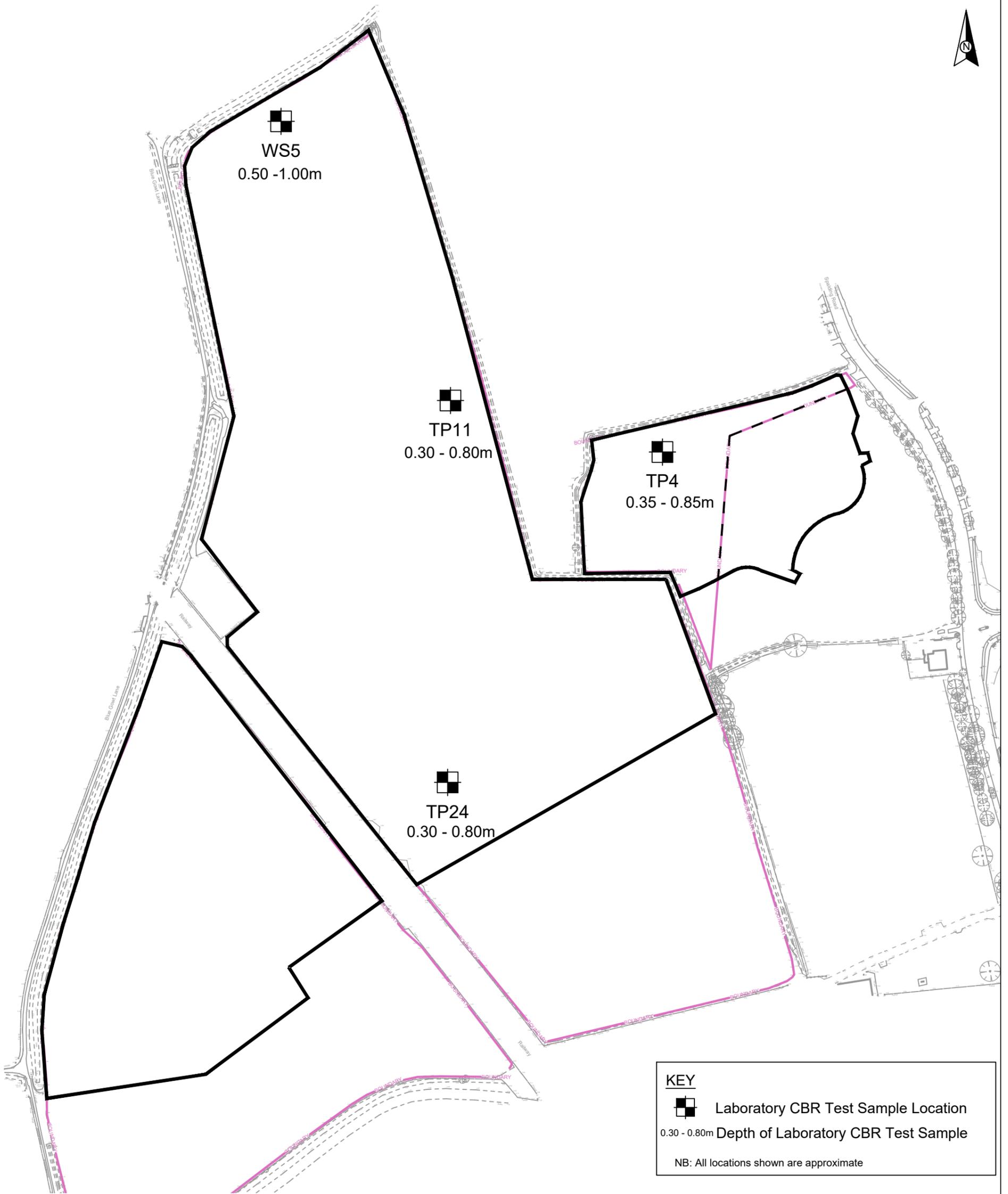
Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

APPENDIX XII

**Laboratory CBR Test Location Plan
(Figure No. D39032/05)**



KEY

 Laboratory CBR Test Sample Location

0.30 - 0.80m Depth of Laboratory CBR Test Sample

NB: All locations shown are approximate

Drawing based on Utility Survey Report by Mantra Drawing No. 1036-100 Dated: 23/07/20. Used, edited and reproduced with permission of the Client.

Project No.	D39032	Drawn By	GH
Client	Ashwood Homes	Checked By	PK
		Approved By	PK
Project	Yews Farm, Pinchbeck	Scale	NTS
		Date Drawn	05/01/2021
Title	Laboratory CBR Test Location Plan	Revision	
		Figure No.	D39032/05



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APPENDIX XIII

Ground Gas & Water Level Monitoring Results



Project No.	D39032
Client	Ashwood Homes
Site Location	Yews Farm, Pinchbeck
Date	30-11-2020
Weather	Overcast and raining
Atmospheric Pressure Trend	Fall of 4mb in the 24hrs prior to monitoring
Equipment	GA2000 & Dipmeter
Operator	BP

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	10:51	1020	Peak	0.0	0.0	20.9	25	120	0.0	1.28	
			Steady	0.0	0.0	20.9			0.0		
WS2	12:26	1118	Peak	0.0	0.0	20.5	45	120	0.0	1.21	
			Steady	0.0	0.0	20.5			0.0		
WS3	12:05	1119	Peak	0.0	2.8	19.7	40	120	0.0	1.14	
			Steady	0.0	2.8	19.7			0.0		
WS4	11:17	1020	Peak	0.0	2.1	16.6	45	240	0.0	1.52	
			Steady	0.0	2.1	16.6			0.0		
WS5	11:33	1020	Peak	0.0	0.6	19.9	50	120	0.0	1.54	
			Steady	0.0	0.6	19.9			0.0		
Ambient				0.0	0.0	21.2					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)
3. Where Oxygen is below 16% (Coal Authority guidance)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D39032
Client	Ashwood Homes
Site Location	Yews Farm, Pinchbeck
Date	07-12-2020
Weather	Overcast and raining
Atmospheric Pressure Trend	Fall of 3mb in the 24hrs prior to monitoring
Equipment	GA2000 & Dipmeter
Operator	GH

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	09:13	995	Peak	0.0	0.0	20.9	5	120	0.0	1.15	
			Steady	0.0	0.0	20.9			0.0		
WS2	09:31	995	Peak	0.0	0.0	20.5	5	120	0.0	1.11	
			Steady	0.0	0.0	20.5			0.0		
WS3	09:44	995	Peak	0.0	2.0	19.7	40	120	0.0	1.08	
			Steady	0.0	2.0	19.7			0.0		
WS4	10:02	995	Peak	0.0	1.9	15.6	20	120	0.0	1.32	
			Steady	0.0	1.9	15.6			0.0		
WS5	10:19	995	Peak	0.0	0.5	19.9	10	120	0.0	1.39	
			Steady	0.0	0.5	19.9			0.0		
Ambient				0.0	0.0	21.0					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)
3. Where Oxygen is below 16% (Coal Authority guidance)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D39032
Client	Ashwood Homes
Site Location	Yews Farm, Pinchbeck
Date	14-12-2020
Weather	Overcast
Atmospheric Pressure Trend	Fall of 4mb in the 24hrs prior to monitoring
Equipment	GA2000 & Dipmeter
Operator	PK

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	13:11	995	Peak	0.0	0.0	21.5	10	120	0.0	1.08	
			Steady	0.0	0.0	21.5			0.0		
WS2	13:33	995	Peak	0.0	0.0	21.2	15	120	0.0	0.52	
			Steady	0.0	0.0	21.2			0.0		
WS3	13:56	995	Peak	0.0	0.2	21.3	20	120	0.0	0.75	
			Steady	0.0	0.1	21.3			0.0		
WS4	14:13	995	Peak	0.0	1.5	17.5	45	120	0.0	1.30	
			Steady	0.0	1.5	17.5			0.0		
WS5	14:27	995	Peak	0.0	0.5	20.5	25	120	0.0	1.10	
			Steady	0.0	0.3	20.6			0.0		
Ambient				0.0	0.0	21.6					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)
3. Where Oxygen is below 16% (Coal Authority guidance)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D39032
Client	Ashwood Homes
Site Location	Yews Farm, Pinchbeck
Date	22-12-2020
Weather	Overcast and raining
Atmospheric Pressure Trend	Rise of 11mb in the 24hrs prior to monitoring
Equipment	GA2000 & Dipmeter
Operator	GH

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	09:27	1008	Peak	0.0	0.0	20.9	5	120	0.0	1.11	
			Steady	0.0	0.0	20.9			0.0		
WS2	09:44	1008	Peak	0.0	0.0	20.5	5	120	0.0	0.63	
			Steady	0.0	0.0	20.5			0.0		
WS3	10:00	1008	Peak	0.0	1.0	19.7	10	120	0.0	0.80	
			Steady	0.0	1.0	19.7			0.0		
WS4	10:16	1008	Peak	0.0	1.9	16.6	20	240	0.0	1.33	
			Steady	0.0	1.9	16.6			0.0		
WS5	10:31	1008	Peak	0.0	1.3	19.9	20	120	0.0	1.27	
			Steady	0.0	1.3	19.9			0.0		
Ambient				0.0	0.0	21.6					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)
3. Where Oxygen is below 16% (Coal Authority guidance)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D39032
Client	Ashwood Homes
Site Location	Yews Farm, Pinchbeck
Date	05-01-2021
Weather	Cloudy with wintry showers
Atmospheric Pressure Trend	Fall of 1 mb in the 24hrs prior to monitoring
Equipment	GA2000 & Dipmeter
Operator	BP

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	12:15	1018	Peak	0.0	0.1	21.6	15	120	0.0	0.68	
			Steady	0.0	0.0	21.6			0.0		
WS2	13:24	1018	Peak	0.0	0.0	21.2	25	120	0.0	0.62	
			Steady	0.0	0.0	21.2			0.0		
WS3	13:12	1018	Peak	0.0	0.6	21.7	80	120	0.0	0.80	
			Steady	0.0	0.0	21.9			0.0		
WS4	12:58	1018	Peak	0.0	1.4	18.7	45	120	0.0	1.23	
			Steady	0.0	1.2	18.7			0.0		
WS5	12:48	1018	Peak	0.0	0.2	21.0	25	120	0.0	1.14	
			Steady	0.0	0.1	22.0			0.0		
Ambient				0.0	0.0	22.0					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)
3. Where Oxygen is below 16% (Coal Authority guidance)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D39032
Client	Ashwood Homes
Site Location	Yews Farm, Pinchbeck
Date	12-01-2021
Weather	Sunny with clear skies
Atmospheric Pressure Trend	Fall of 2mb in the 24hrs prior to monitoring
Equipment	GA2000 & Dipmeter
Operator	BP

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	11:16	1010	Peak	0.0	0.1	21.3	30	120	0.0	0.77	
			Steady	0.0	0.0	21.3			0.0		
WS2	12:12	1010	Peak	0.0	0.0	21.4	25	120	0.0	0.67	
			Steady	0.0	0.0	21.4			0.0		
WS3	12:03	1010	Peak	0.0	0.0	21.2	15	120	0.0	0.82	
			Steady	0.0	0.0	21.2			0.0		
WS4	11:50	1010	Peak	0.0	0.3	20.4	50	120	0.0	1.26	
			Steady	0.0	0.2	20.6			0.0		
WS5	11:39	1010	Peak	0.0	0.5	21.3	10	120	0.0	1.20	
			Steady	0.0	0.0	21.4			0.0		
Ambient				0.0	0.0	21.6					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)
3. Where Oxygen is below 16% (Coal Authority guidance)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded

APPENDIX XIV
Conditions & Limitations

Conditions & Limitations

Phase I Desk Studies

1. Works undertaken to provide the basis of the Phase I Desk Study report comprise a review of information available from a number of sources/parties (potentially also including the Client) together with a walk over of the site (where applicable and included within the quotation). The opinions given in the Phase I Desk Study are based on the information available from third parties/sources that has been obtained within the available timeframe. GeoDyne Limited assumes all third party information to be true and correct and therefore cannot accept liability for the accuracy of such information supplied.
2. Should additional information become available that may affect the comments and opinions made within the Phase I Desk Study, GeoDyne Limited reserves the right to review such information and make modifications to comments/opinions as appropriate.
3. It should be borne in mind that a Phase I Desk Study collates available information to generate a conceptual model of the site. The actual geotechnical and environmental considerations can only be fully quantified by intrusive investigation works to confirm the accuracy of the conceptual site model.

Phase II Intrusive Investigations

1. Our quotation assumes that access to the site will be arranged by others at no cost to ourselves.
2. We have assumed that free access is available throughout to the entire site and that works can be undertaken during a single mobilisation. Where restricted access is encountered, or where additional unscheduled mobilisations are required, additional costs may be incurred to the client.
3. We have assumed that all available information relating to buried services will be supplied by the Client at no cost to ourselves. No responsibility will be accepted for damage to underground services that have not been brought to our prior attention by the Client.
4. All excavations/boreholes will be backfilled with compacted arisings upon completion, with any excess arisings left proud of ground levels. Excess arisings will not be removed from the site unless specifically requested by the Client. Where we are requested to remove excess arisings, all associated costs will be passed to the Client.
5. We will attempt to leave the site in a clean and tidy state, however, it must be understood that some disturbance of the site is unavoidable during intrusive works.
6. Exploratory holes are positioned approximately on site by GeoDyne Limited. Should the client require precise locations of all exploratory points, additional fees will be incurred. It must be borne in mind that backfilled trial pits can create 'soft spots', therefore, should the Client wish to designate 'no dig' zones, for example under the footprint of proposed structures, these must be brought to our attention prior to commencement of works.
7. Groundwater observations relate to conditions encountered at the time of investigation. It must be understood that groundwater levels may vary as a result of recent climatic conditions or seasonal variation.
8. Trial pits and boreholes examine only a small proportion of the total site area. No liability can be accepted for conditions not revealed in exploratory holes, particularly between positions. All extrapolations of available data are given in good faith.

Payment

1. Payment terms are strictly 28 days from the invoice date.
2. Prior to commencement of works, we require receipt of formal written instruction from the party accepting full financial responsibility for the work. In the absence of such an instruction, we would expect the instructing Consulting Engineers/Architects to accept full financial responsibility for the works.
3. Receipt of instruction to commence work shall be taken as acceptance and compliance of the foregoing conditions.

Liability

1. GeoDyne Limited offer £5,000,000.00 Professional Indemnity Insurance (in aggregate over the year). This shall be the limit of our liability for works undertaken. No individual liability shall be implied to, or accepted by, any employee for works undertaken for and on the behalf of GeoDyne Limited.