

Project Name:

Oldland's Farm

Project No. :

C14459

Co-ords: 494476E - 101706N

Hole Type

Cable

Location: Bognor Regis

Level: 0.88 m AOD

Scale

1:50

Client: Bericote

Dates: 05/06/2014

Logged By

RB

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00-0.34	B		0.34	0.54		soft greyish brown sandy slightly gravelly CLAY with some rootlets. Gravel is subrounded fine to medium chalk. (MADE GROUND)	
		0.34-1.00	B					Soft orange-brown mottled grey sandy CLAY. (RAISED MARINE DEPOSIT)	
		1.00-1.45	U	6 blows 450mm rec	1.00	-0.12		Very low strength dark grey organic CLAY with occasional plant remains. Organic odour to strata. (RAISED MARINE DEPOSIT)	1
		1.00-2.00	B						
		2.00	SPT	N=1 (1,0,1,0,0,0)					2
		2.00-3.00	B						
		3.00	SPT	N=1 (1,0,1,0,0,0)					3
		3.00-4.00	B						
		4.00-4.45	U	20 blows no rec	4.10	-3.22		Light grey clayey slightly sandy GRAVEL. Gravel is angular to subrounded fine to coarse chalk and flint. (RIVER TERRACE DEPOSIT)	4
		4.00-5.00	B						
		5.00	SPT	N=7 (1,1,2,1,2,2)	5.20	-4.32		Structureless CHALK consisting of light grey clayey slightly sandy GRAVEL sized fragments. Gravel is very weak to moderately weak medium density subangular to angular. (Grade Dc) (WHITE CHALK SUBGROUP)	5
		5.00-6.50	B						6
		6.50	SPT	N=20 (3,4,4,5,5,6)				.. becoming predominantly cream below approximately 6.50m.	7
		6.50-8.00	B						
		8.00	SPT	N=24 (2,3,5,4,7,8)					8
		8.00-9.50	B						
		9.50	SPT	N=29 (4,6,6,7,7,9)				.. recovery becoming slightly clayey with occasional cobble sized fragments below approximately 9.50m.	9
		9.50-10.00	B						

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Remarks: 1. Excavate hand dug service avoidance pit to 1.00m.
2. Groundwater struck at 1.30m rising to 1.10m after 20 mins with 1.00m of casing.
3. Borehole cased to 10.00m at 150mm diameter.
3. No groundwater encountered.

In-situ Testing		Sample Types	
SPT	Standard Penetration Test (Split Spoon)	D	Disturbed Sample
CPT	Standard Penetration Test (Solid Cone)	LB	Large Bulk Sample
HSV	Hand Shear Vane	B	Bulk Sample
U	Undisturbed Sample and number of blows	AJ	Amber Jar Sample
Borehole Types		W	Water Sample
DP	Dynamic Sampling	V	Vial
Cable	Cable Percussion	SPTLS	SPT Sample
Rotary	Rotary Core		
RO	Rotary Openhole		

Project Name: Oldland's Farm	Project No. : C14459	Co-ords: 494476E - 101706N	Hole Type Cable
Location: Bognor Regis		Level: 0.88 m AOD	Scale 1:50
Client: Bericote		Dates: 05/06/2014	Logged By RB

[illegible]

Remarks: 1. Excavate hand dug service avoidance pit to 1.00m.
2. Groundwater struck at 1.30m rising to 1.10m after 20 mins with 1.00m of casing.
3. Borehole cased to 10.00m at 150mm diameter.
3. No groundwater encountered.

In-situ Testing	Sample Types
SPT Standard Penetration Test (Split Spoon)	D Disturbed Sample
CPT Standard Penetration Test (Solid Cone)	LB Large Bulk Sample
HSV Horizontal Shear Vane	B Bulk Sample
U Undisturbed Sample and number of blows	AJ Amber Jar Sample
Borehole Types	W Water Sample
DP Dynamic Sampling	V Vial
Cable Cable Percussion	SPTLS SPT Sample
Rotary Rotary Core	
Rotary Corehole	

Project Name:

Oldland's Farm

Project No. :

C14459

Co-ords: 494568E - 101658N

Hole Type

Cable

Location: Bognor Regis

Level: 0.89 m AOD

Scale

1:50

Client: Bericote

Dates: 04/06/2014

Logged By

RB

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00-0.28	B		0.28	0.61		Soft greyish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is subrounded medium chalk. (MADE GROUND)	
		0.28-1.00	B		0.70	0.19		Soft grey-brown mottled orange-brown sandy CLAY. (SUBSOIL)	
		1.00-1.45	U	9 blows 180mm rec				Soft grey very sandy CLAY with occasional plant remains. (RAISED MARINE DEPOSIT)	1
		1.00-2.00	B		1.40	-0.51		Grey-brown clayey fine to medium grained SAND with occasional plant remains. (RAISED MARINE DEPOSIT)	
		2.00	SPT	N=1 (1,0,1,0,0,0)	2.10	-1.21		Very loose dark grey slightly silty fine to medium grained SAND. (RAISED MARINE DEPOSIT)	2
		2.00-3.00	B						
		3.00	SPT	N=2 (1,0,1,1,0,0)					3
		3.00-4.00	B						
		4.00	SPT	N=4 (1,1,1,1,1,1)	4.00	-3.11		Loose dark grey slightly clayey gravelly SAND. Gravel is angular to subrounded fine to medium chalk and fine to coarse flint. (RAISED MARINE DEPOSIT)	4
		4.00-5.00	B						
		5.00	SPT	N=5 (1,1,1,1,2,1)	5.30	-4.41		Structureless CHALK consisting of light grey occasionally speckled black clayey slightly sandy GRAVEL sized fragments and occasional flint gravel. Gravel is very weak to moderately weak, medium density angular to subangular. (Grade Dc) (WHITE CHALK SUBGROUP)	5
		5.00-6.50	B						6
		6.50	SPT	N=17 (2,3,4,4,4,5)					7
		6.50-8.00	B						
		8.00	SPT	N=7 (1,2,2,1,2,2)					8
		8.00-9.50	B						9
		9.50	SPT	N=16 (2,2,4,4,4,4)					
		9.50-10.00	B						

Continued next sheet

Remarks: 1. Excavate hand dug service avoidance pit to 1.00m.
2. Groundwater struck at 3.00m rising to 1.64m after 20 mins with 3.00m of casing.
3. Borehole cased to 10.00m at 150mm diameter.

In-situ Testing	Sample Types
SPT Standard Penetration Test (Split Spoon)	D Disturbed Sample
CPT Standard Penetration Test (Solid Cone)	LB Large Bulk Sample
HSV Hand Shear Vane	B Bulk Sample
U Undisturbed Sample and number of blows	AJ Amber Jar Sample
Borehole Types	W Water Sample
DP Dynamic Sampling	V Vial
Cable Cable Percussion	SPTLS SPT Sample
Rotary Rotary Core	
RO Rotary Openhole	

Project Name: Oldland's Farm	Project No. : C14459	Co-ords: 494568E - 101658N	Hole Type Cable
Location: Bognor Regis		Level: 0.89 m AOD	Scale 1:50
Client: Bericote		Dates: 04/06/2014	Logged By RB

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		10.00	SPT	N=23 (1,4,5,5,6,7)	10.45	-9.56		End of Borehole at 10.45 m	

Remarks	Type	Results
1. Excavate hand dug service avoidance pit to 1.00m.		
2. Groundwater struck at 3.00m rising to 1.64m after 20 mins with 3.00m of casing.		
3. Borehole cased to 10.00m at 150mm diameter.		

In-situ Testing	
SPT	Standard Penetration Test (Split Spoon)
CPT	Standard Penetration Test (Solid Cone)
HSV	Hand Shear Vane
U	Undisturbed Sample and number of blows
Borehole Types	
DP	Dynamic Sampling
Cable	Cable Percussion
Rotary	Rotary Core
RO	Rotary Openhole

Sample Types	
D	Disturbed Sample
LB	Large Bulk Sample
B	Bulk Sample
AJ	Amber Jar Sample
W	Water Sample
V	Vial
SPTLS	SPT Sample

Project Name:

Oldland's Farm

Project No. :

C14459

Co-ords: 494360E - 101594N

Hole Type

Cable

Location: Bognor Regis

Level: 1.48 m AOD

Scale

1:50

Client: Bericote

Dates: 06/06/2014

Logged By

RB

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00-0.40	B		0.40	1.08		Soft dark brown sandy slightly gravelly CLAY with some rootlets. Gravel is rounded to subangular fine to medium chalk. (MADE GROUND)	
		0.40-1.00	B					Soft orange-brown and grey sandy CLAY. (RIVER TERRACE DEPOSIT)	
		1.00-1.45	U	12 blows 360mm rec				.. becoming gravelly below approximately 1.00m. Gravel is rounded to angular predominantly fine to medium chalk.	1
		1.00-2.00	B						
		2.00	SPT	N=6 (1,1,1,1,2,2)	1.90	-0.42		Loose light brown-grey clayey sandy GRAVEL. Gravel is angular to rounded fine to coarse chalk. (RIVER TERRACE DEPOSIT)	2
		2.00-3.00	B						
		3.00-3.45	U	27 blows no rec	3.00	-1.52		Structureless CHALK consisting of cream occasionally stained orange-brown clayey slightly sandy GRAVEL sized fragments. Fragments are very weak to moderate weak medium density subrounded to angular. (Grade Dc) (WHITE CHALK SUBGROUP)	3
		3.00-4.00	B						
		4.00	SPT	N=10 (1,2,2,2,3,3)					4
		4.00-5.00	B						
		5.00	SPT	N=21 (3,3,4,5,6,6)					5
		5.00-6.50	B						6
		6.50	SPT	N=29 (4,6,6,7,8,8)					7
		6.50-8.00	B						
		8.00	SPT	N=33 (3,5,7,7,9,10)					8
		8.00-9.50	B						9
		9.50	SPT	N=32 (2,4,5,8,8,11)					
		9.50-10.00	B						

Continued next sheet

Remarks: 1. Excavate hand dug service avoidance pit to 1.00m.
2. Groundwater struck at
3. Borehole cased to 10.00m at 150mm diameter.

In-situ Testing	Sample Types
SPT Standard Penetration Test (Split Spoon)	D Disturbed Sample
CPT Standard Penetration Test (Solid Cone)	LB Large Bulk Sample
HSV Hand Shear Vane	B Bulk Sample
U Undisturbed Sample and number of blows	AJ Amber Jar Sample
Borehole Types	
DP Dynamic Sampling	V Vial
Cable Cable Percussion	SPTLS SPT Sample
Rotary Rotary Core	
RO Rotary Openhole	

Project Name: Oldland's Farm	Project No. : C14459	Co-ords: 494360E - 101594N	Hole Type Cable
Location: Bognor Regis		Level: 1.48 m AOD	Scale 1:50
Client: Bericote		Dates: 06/06/2014	Logged By RB

[illegible]

Remarks: 1. Excavate hand dug service avoidance pit to 1.00m.
2. Groundwater struck at
3. Borehole cased to 10.00m at 150mm diameter.

In-situ Testing	
SPT	Standard Penetration Test (Split Spoon)
CPT	Standard Penetration Test (Solid Cone)
HSV	Hand Shear Vane
U	Undisturbed Sample and number of blows
Borehole Types	
DP	Dynamic Sampling
Cable	Cable Percussion
Rotary	Rotary Core
RO	Rotary Openhole

Sample Types	
D	Disturbed Sample
LB	Large Bulk Sample
B	Bulk Sample
AJ	Amber Jar Sample
W	Water Sample
V	Vial
SPTLS	SPT Sample

Project Name:

Oldland's Farm

Project No. :

C14459

Co-ords: 494285E - 101522N

Hole Type

Cable

Location: Bognor Regis

Level: 2.59 m AOD

Scale

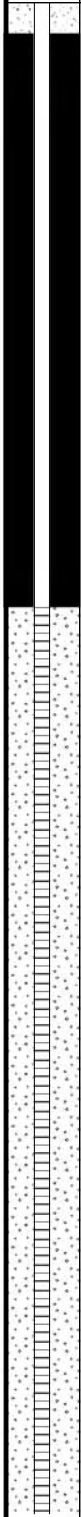
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Client: Bericote

Dates: 09/06/2014

Logged By

RB

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00-0.45	B		0.45	2.14		Soft dark brown sandy slightly gravelly CLAY with some rootlets. Gravel is subangular to subrounded fine to coarse chalk. (MADE GROUND)	
		0.45-1.00	B		1.00	1.59		Soft brown very sandy slightly gravelly CLAY. Gravel is angular medium flint. (RIVER TERRACE DEPOSIT)	1
		1.00-1.45	U	19 blows 360mm rec				High strength yellow-brown and brown-grey sandy gravelly CLAY. Gravel is rounded to subangular fine to medium chalk and occasional flint. (RIVER TERRACE DEPOSIT)	
		1.00-2.00	B						
		2.00	SPT	N=9 (1,1,2,2,2,3)					2
		2.00-3.00	B						
		3.00	SPT	N=8 (1,1,2,2,2,2)				Structureless CHALK consisting of light grey clayey slightly sandy GRAVEL sized fragments. Fragments are very weak to moderately weak medium density subrounded to angular. (Grade Dc) (WHITE CHALK SUBGROUP) ... becoming predominantly cream with occasional orange-brown staining below approximately 4.00m.	3
		3.00-3.70	B						
		3.70-4.00	D		3.70	-1.11			4
		4.00	SPT	N=2 (1,0,1,1,0,0)					
		4.00-5.00	B					... recovery becoming slightly clayey and with occasional flint gravel below approximately 8.00m.	5
		5.00-6.50	B						6
		6.50	SPT	N=27 (3,5,5,7,7,8)					7
		6.50-8.00	B						
		8.00	SPT	N=30 (3,5,7,7,7,9)					8
		8.00-9.50	B						9
		9.50	SPT	N=39 (5,7,8,10,10,11)					
		9.50-10.00	B						

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Remarks: 1. Excavate hand dug service avoidance pit to 1.00m.
2. Groundwater struck at 3.90m rising to 3.77m after 20 mins with 3.50m of casing.
3. Borehole cased to 10.00m at 150mm diameter.

In-situ Testing		Sample Types	
SPT	Standard Penetration Test (Split Spoon)	D	Disturbed Sample
CPT	Standard Penetration Test (Solid Cone)	LB	Large Bulk Sample
HSV	Hand Shear Vane	B	Bulk Sample
U	Undisturbed Sample and number of blows	AJ	Amber Jar Sample
Borehole Types		W	Water Sample
DP	Dynamic Sampling	V	Vial
Cable	Cable Percussion	SPTLS	SPT Sample
Rotary	Rotary Core		
RO	Rotary Openhole		

Project Name:
Oldland's Farm

Project No. :
C14459

Co-ords: 494493E - 101525N

Hole Type
Cable

Location: Bognor Regis

Level: 0.86 m AOD

Scale
1:50

Client: Bericote

Dates: 04/06/2014

Logged By
RB

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.00-0.25	B		0.25	0.61		Soft grey-brown slightly sandy slightly gravelly CLAY. Gravel is angular medium to coarse flint. (MADE GROUND)	
		0.25-1.00	B					Firm grey mottled orange-brown sandy CLAY. (SUBSOIL)	
		1.00-1.45	U	8 blows 450mm rec	1.00	-0.14		Soft thickly laminated brown, grey-brown and orange-brown sandy CLAY with occasional laminae of sandy silt and fine to medium grained sand. (RAISED MARINE DEPOSIT)	1
		1.00-2.00	B						
		2.00	SPT	N=1 (1,0,1,0,0,0)	1.90	-1.04		Very soft dark grey sandy organic CLAY with occasional pockets of (uncompact) sandy silt. (RAISED MARINE DEPOSIT)	2
		2.00-3.00	B						
		3.00	SPT	N=3 (1,0,1,1,1,0)	2.80	-1.94		Very soft yellow-grey sandy gravelly CLAY. Gravel is subrounded to subangular fine to medium chalk and fine to coarse flint. (RIVER TERRACE DEPOSIT)	3
		3.00-4.00	B						
		4.00	SPT	N=7 (1,2,1,1,2,3)	3.80	-2.94		Structureless CHALK consisting of cream clayey slightly sandy GRAVEL sized fragments and occasional flint gravel. Gravel is very weak to moderately weak medium density subrounded to angular. (Grade Dc) (WHITE CHALK SUBGROUP)	4
		4.00-5.00	B					... between 4.00m and 5.00m, recovery slightly clayey with predominantly coarse gravel and occasional cobble sized fragments.	
		5.00	SPT	N=15 (1,2,2,4,4,5)					5
		5.00-6.50	B						6
		6.50	SPT	N=14 (2,2,2,4,4,4)					7
		6.50-8.00	B						
		8.00	SPT	N=17 (2,3,3,4,5,5)					8
		8.00-9.50	B						9
		9.50	SPT	N=26 (6,5,3,6,7,10)					
		9.50-10.00	B						

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Remarks: 1. Excavate hand dug service avoidance pit to 1.20m.
2. Groundwater struck at 4.10m rising to 2.24m after 20 mins with 3.50m of casing.
3. Borehole cased to 10.00m at 150mm diameter.

In-situ Testing		Sample Types	
SPT	Standard Penetration Test (Split Spoon)	D	Disturbed Sample
CPT	Standard Penetration Test (Solid Cone)	LB	Large Bulk Sample
HSV	Hand Shear Vane	B	Bulk Sample
U	Undisturbed Sample and number of blows	AJ	Amber Jar Sample
Borehole Types		W	Water Sample
DP	Dynamic Sampling	V	Vial
Cable	Cable Percussion	SPTLS	SPT Sample
Rotary	Rotary Core		
RO	Rotary Openhole		

Project Name:

Oldland's Farm

Project No. :

C14459

Co-ords: 494446E - 101437N

Hole Type

Cable

Location: Bognor Regis

Level: 1.25 m AOD

Scale

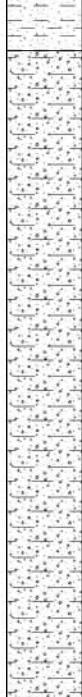
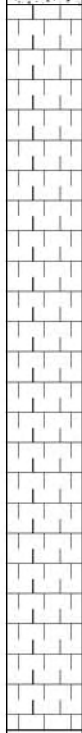
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Client: Bericote

Dates: 03/06/2014

Logged By

RB

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.00-0.35	B	N=2 (1,0,1,1,0,0)	0.25	1.00		Dark brown clayey SAND with occasional rootlets. (MADE GROUND)		
		0.35-1.00	B					Firm grey mottled orange-brown slightly sandy CLAY. (SUBSOIL)		
		1.00	SPT		0.90	0.35		Very loose yellow-grey clayey sandy GRAVEL. Gravel is angular fine to medium chalk and fine to coarse flint. (RIVER TERRACE DEPOSIT)	1	
		1.00-2.00	B							
		2.00-2.45	U	20 blows no rec					2	
		2.00-3.00	B							
		3.00	SPT	N=7 (1,1,1,2,2,2)				.. becoming loose below 3.00m.	3	
		3.00-4.00	B							
		4.00	SPT	N=8 (1,1,1,2,3,2)					4	
		4.00-5.00	B							
		5.00	SPT	N=30 (2,3,4,8,8,10)	5.20	-3.95			Structureless CHALK consisting of cream clayey sandy GRAVEL sized fragments and occasional flint gravel. Gravel is very weak to moderately weak medium density subangular to angular. (Grade Dc) (WHITE CHALK SUBGROUP)	5
		5.00-6.50	B							6
		6.50	SPT	N=27 (3,5,7,7,6,7)					7	
		6.50-8.00	B							
		8.00	SPT	N=38 (4,8,9,9,10,10)			.. below 8.00m recovery slightly clayey predominantly coarse gravel and occasionally cobble sized.		8	
		8.00-9.50	B						9	
		9.50	SPT	N=28 (4,5,5,7,8,8)						
		9.50-10.00	B							
		Type	Results		Continued next sheet					

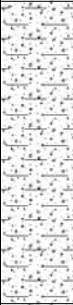
Remarks: 1. Excavate hand dug service avoidance pit to 1.00m.
2. Groundwater struck at 4.60m rising to 1.80m after 20 mins with 3.00m of casing.
3. Borehole cased to 10.00m at 150mm diameter.

In-situ Testing		Sample Types	
SPT	Standard Penetration Test (Split Spoon)	D	Disturbed Sample
CPT	Standard Penetration Test (Solid Cone)	LB	Large Bulk Sample
HSV	Hand Shear Vane	B	Bulk Sample
U	Undisturbed Sample and number of blows	AJ	Amber Jar Sample
Borehole Types		W	Water Sample
DP	Dynamic Sampling	V	Vial
Cable	Cable Percussion	SPTLS	SPT Sample
Rotary	Rotary Core		
RO	Rotary Openhole		

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		10.00	SPT	N=21 (4,3,4,4,6,7)	10.45	-9.20		End of Borehole at 10.45 m	11
									12
									13
									14
									15
									16
									17
									18
									19
			Type	Results					

In-situ Testing	Sample Types
SPT Standard Penetration Test (Split Spoon)	D Disturbed Sample
CPT Standard Penetration Test (Solid Cone)	LB Large Bulk Sample
HSJ Hand Shear Vane	B Bulk Sample
U Undisturbed Sample and number of blows	AJ Amber Jar Sample
Borehole Types	W Water Sample
DP Dynamic Sampling	V vial
CR Cable Percussion	SPTLS SPT Sample
Rotary Rotary Core	
Rotary Openhole	

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494170E - 102142N Level: 2.20 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of sides 1.60m to 2.60m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D				Grey-brown clayey slightly gravelly SAND with some rootlets. Gravel is angular medium flint. (MADE GROUND)	
0.60-1.20	D			0.60	Soft orange-brown and brown-grey very sandy CLAY. (RIVER TERRACE DEPOSIT)	1.60
1.90-2.40	D			1.60	Brown-grey and yellow-brown clayey sandy GRAVEL with occasional cobbles. Gravel is subangular to subrounded fine to medium chalk and flint to coarse flint. Cobbles are flint. (RIVER TERRACE DEPOSIT)	0.60
2.60-3.00	D			2.60	Very stiff brown-grey sandy gravelly CLAY with occasional cobbles. Gravel is subangular to subrounded fine to medium chalk and flint to coarse flint. Cobbles are flint. (RIVER TERRACE DEPOSIT)	-0.40
				3.00	Trial pit complete at 3.00 m	-0.80

Remarks:

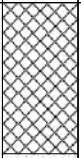
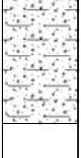
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 1.90m as running sand

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494095E - 102090N Level: 2.30 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces between 1.60m and 2.60m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.70 0.50-1.00	HSV B	38.0		0.50	Soft greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subangular fine to medium flint and chalk. (MADE GROUND)	1.80
1.00-1.20	B			1.00	Soft brown-grey mottled orange-brown sandy CLAY. (SUBSOIL)	1.30
				1.00	Soft yellow-brown mottled grey very sandy CLAY. (RIVER TERRACE DEPOSIT)	1.30
				2.40	.. Gradational transition to underlying stratum from approximately 1.90m.	
2.40-3.00	B			2.40	Brown-grey clayey sandy GRAVEL. Gravel is angular to subrounded fine to medium chalk. (RIVER TERRACE DEPOSIT)	-0.10
				3.00	----- Trial pit complete at 3.00 m	-0.70

Remarks:

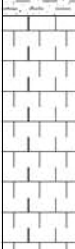
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 1.90m as running sand

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494273E - 102072N Level: 3.00 m AOD	Date 12/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 2.10m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D			0.30	Stiff greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to angular fine to coarse flint and occasional chalk. (MADE GROUND)	2.70
0.30-1.40	B				Soft orange-brown very sandy CLAY with occasional rootlets. Gravel is angular fine to coarse flint and occasional subangular fine to medium chalk. (RIVER TERRACE DEPOSIT)	
1.40	HSV	35.0		1.90	Structureless CHALK consisting of white and cream clayey sandy GRAVEL sized fragments and occasional flint gravel. Fragments are very weak and weak medium density angular to subangular fine to coarse sized. (Grade Dc) (WHITE CHALK SUBGROUP)	1.10
1.90-2.60	B			2.70	Trial pit complete at 2.70 m	0.30

Remarks:

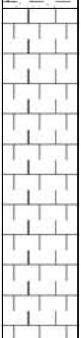
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.40m standing at 2.60m upon completion

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 493997E - 102017N Level: 2.20 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 2.00m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D			0.30	Soft greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subangular fine to medium flint. (MADE GROUND)	1.90
0.70-1.10	B				Firm to stiff orange-brown And grey-brown mottled grey sandy CLAY. (RIVER TERRACE DEPOSIT)	
1.10	HSV	72.0				
1.70-1.90	D			1.70	Soft yellow-brown and grey sandy CLAY. (RIVER TERRACE DEPOSIT)	0.50
1.90	HSV	43.0		2.10	Structureless CHALK consisting of light grey and cream clayey sandy GRAVEL sized fragments. Fragments are weak to moderately weak medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	0.10
2.50-3.20	B			3.20	Trial pit complete at 3.20 m	-1.00

Remarks:

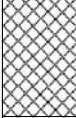
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.50m standing at 2.70m upon completion

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494206E - 101993N Level: 2.10 m AOD	Date 12/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of sides below 2.10m.	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.40	AJ/D			0.40	Stiff greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is subangular to angular medium to coarse flint. (MADE GROUND)	1.70
1.00-1.30	B				Firm yellow-brown and orange-brown sandy CLAY. (RIVER TERRACE DEPOSIT)	
1.30	HSV	56.0				
2.00	HSV	70.0		2.10		0.00
2.10-2.40	B			2.40	Yellow-brown clayey sandy GRAVEL. Gravel is angular to subrounded fine to medium chalk and fine to coarse flint. (RIVER TERRACE DEPOSIT)	-0.30
					Trial pit complete at 2.40 m	

Remarks:

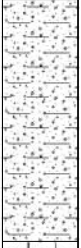
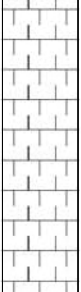
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.10m as running sand.

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494359E - 101974N Level: 3.40 m AOD	Date 12/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 3.00m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D			0.30	Firm greyish brown very sandy CLAY with occasional rootlets. (MADE GROUND)	3.10
					Firm orange-brown sandy CLAY. (RIVER TERRACE DEPOSIT)	
1.00-1.30	B					
1.30	HSV	77.0				
				1.70		1.70
1.70-2.20	B				Brown-grey and yellow-grey clayey sandy GRAVEL with occasional pockets of stiff sandy gravelly clay. Gravel is angular to subrounded fine to coarse chalk and occasional flint. (RIVER TERRACE DEPOSIT)	
				2.50		0.90
2.50-2.70	B				Structureless CHALK consisting of white and cream clayey sandy GRAVEL sized fragments and occasional flint gravel. Fragments are very weak and weak low density angular to subangular fine to coarse sized. Evidence of very closely spaced subhorizontal discontinuities in places. (Grade Dc) (WHITE CHALK SUBGROUP)	
				3.50		-0.10
					Trial pit complete at 3.50 m	

Remarks:

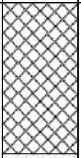
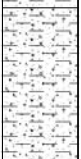
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Very small quantity entering below 3.0m in running condition

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494098E - 101948N Level: 2.60 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.50	AJ/D			0.50	Greyish brown very clayey slightly gravelly SAND. Gravel is angular medium flint. (MADE GROUND)	2.10
0.50-1.10	B				Firm orange-brown and brown-grey slightly sandy CLAY. (RIVER TERRACE DEPOSIT)	
1.10	HSV	69.0		1.80		
1.80-2.30	B			2.40	Soft brown-grey sandy gravelly CLAY. Gravel is angular to rounded fine to medium chalk and fine to coarse flint. (RIVER TERRACE DEPOSIT)	0.80
2.30	HSV	41.0		3.00		
					Brown-grey clayey sandy GRAVEL. Gravel is angular to subrounded fine to medium chalk and fine to coarse flint (RIVER TERRACE DEPOSIT)	0.20
					Trial pit complete at 3.00 m	-0.40

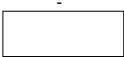
Remarks:

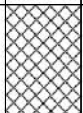
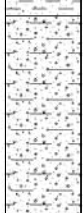
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.50m standing at 2.90m upon completion

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494049E - 101894N Level: 2.10 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 1.90m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.40	AJ/D	47.0		0.40	Greyish brown clayey slightly gravelly SAND with some rootlets. Gravel is angular medium flint. (MADE GROUND)	1.70
0.40-1.00	B			1.00	Orange-brown and grey-brown very clayey slightly gravelly SAND. Gravel is angular coarse flint. (SUBSOIL)	
1.00-1.30	D			1.90	Soft to firm orange-brown mottled grey sandy slightly gravelly CLAY. Gravel is angular medium to coarse flint. (RIVER TERRACE DEPOSIT)	0.20
1.30	HSV			2.60	Brown-grey clayey sandy GRAVEL. Gravel is angular to subrounded fine to medium chalk and fine to coarse flint (RIVER TERRACE DEPOSIT)	
1.90-2.60	D			Trial pit complete at 2.60 m		

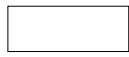
Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.00m standing at 2.40m upon completion

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494263E - 101906N Level: 1.60 m AOD	Date 12/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 1.00m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D			0.30	Greyish brown very clayey slightly gravelly SAND with occasional rootlets. Gravel is angular medium flint. (MADE GROUND)	1.30
0.70	HSV	64.0			Firm orange-brown sandy slightly gravelly CLAY. Gravel is angular medium to coarse flint. (RIVER TERRACE DEPOSIT)	
1.20-1.50	B				.. becoming soft below approximately 1.20m.	
1.50	HSV	25.0				
2.20-2.60	B			2.20	Stiff light grey occasionally yellow-brown sandy slightly gravelly CLAY. Gravel is subrounded to subangular fine to medium chalk and fine to coarse flint. Tending to (compact) sandy gravelly silt in parts. (RIVER TERRACE DEPOSIT)	-0.60
				2.50	Light grey clayey sandy GRAVEL. Gravel is subangular to subrounded fine to medium chalk and fine to coarse flint. (RIVER TERRACE DEPOSIT)	-0.90
				3.20	----- Trial pit complete at 3.20 m	-1.60

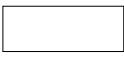
Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Strata wet below approximately 2.00m, no inflow

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 493972E - 101817N Level: 0.00 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 3.40m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
1.10-1.30	D	91.0		0.30	Soft greyish brown very sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subangular medium flint. (MADE GROUND)	-0.30
1.30	HSV			1.10	Soft orange-brown very sandy CLAY with occasional rootlets. (SUBSOIL)	-1.10
1.70-2.40	B			1.70	Stiff grey-brown and orange-brown sandy CLAY. (RIVER TERRACE DEPOSIT)	-1.70
2.40	HSV	13.0		3.40	Very soft yellow-brown and brown-grey slightly sandy CLAY with occasional plant remains. (RIVER TERRACE DEPOSIT)	-1.70
3.20	HSV	29.0		3.40	.. becoming soft below approximately 3.20m.	-3.40
				3.60	Brown-grey clayey sandy GRAVEL. Gravel is angular to subrounded fine to medium chalk and fine to coarse flint (RIVER TERRACE DEPOSIT)	-3.60
					Trial pit complete at 3.60 m	

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.80m standing at 3.50m upon completion

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494083E - 101831N Level: 2.10 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Unstable from base to 2.60m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D			0.30	Greyish brown very clayey SAND with occasional roots and rootlets. (MADE GROUND)	1.80
1.30-1.90	D			2.20	Soft brown-grey very sandy slightly gravelly CLAY. Gravel is angular medium flint. (RIVER TERRACE DEPOSIT)	-0.10
1.90	HSV	45.0		2.80	Soft brown-grey sandy gravelly CLAY. Gravel is angular to rounded fine to medium chalk and flint to coarse flint. (RIVER TERRACE DEPOSIT)	-0.70
2.60	HSV	38.0		3.10	Yellow-brown and brown-grey clayey sandy GRAVEL. Gravel is angular to rounded fine to medium chalk and flint to coarse flint. (RIVER TERRACE DEPOSIT)	-1.00
					Trial pit complete at 3.10 m	

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.40m

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494170E - 101828N Level: 1.65 m AOD	Date 12/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of north face from base to 1.10m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D			0.30	Firm greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular medium to coarse flint and occasional fine ash. (MADE GROUND)	1.35
1.20-1.60	B					
1.60	HSV	36.0				
2.00						
2.00-2.50	D					
3.20	HSV	57.0				
3.90						
				3.90	Trial pit complete at 3.90 m	-2.25

Remarks:

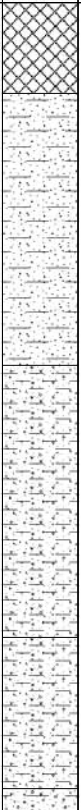
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Trace below approximately 2.00m

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494113E - 101776N Level: 1.80 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of one face from base to 1.50m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	AJ/D			0.30	Greyish brown very clayey slightly gravelly SAND with occasional rootlets. Gravel is angular medium flint. (MADE GROUND)	1.50
					Grey-brown and orange-brown very clayey slightly gravelly SAND. Gravel is angular medium flint. (SUBSOIL)	
1.20-1.50	D			1.20	Soft grey-brown and orange-brown sandy gravelly CLAY. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSIT)	0.60
1.50	HSV	40.0				
2.10-2.60	D			2.10	Firm brown-grey and yellow-brown sandy gravelly CLAY. Gravel is angular to rounded fine to medium chalk and fine to coarse flint. (RIVER TERRACE DEPOSIT)	-0.30
2.40	HSV	66.0				
2.60-2.70	D			2.60	Light grey clayey sandy GRAVEL. Gravel is subangular to subrounded fine to medium chalk and fine to coarse flint. (RIVER TERRACE DEPOSIT)	-0.80
				2.70		-0.90
Trial pit complete at 2.70 m						

Remarks:

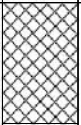
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 2.00m standing at 2.40m upon completion

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494030E - 101714N Level: 2.30 m AOD	Date 11/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of pit base to 1.70m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.40	AJ/D			0.40	Greyish brown very clayey slightly gravelly SAND with occasional rootlets. Gravel is angular fine to coarse flint. (MADE GROUND)	1.90
1.00-1.50	B				Firm to stiff grey-brown and orange-brown slightly sandy CLAY. (RIVER TERRACE DEPOSIT)	
1.50	HSV	70.0		1.90	Soft brown-grey and yellow-brown sandy gravelly CLAY with occasional cobbles and pockets of clayey sandy gravel. Gravel is subangular to subrounded fine to medium chalk and fine to coarse flint. Cobbles are flint. (RIVER TERRACE DEPOSIT)	0.40
1.90-2.80	B			2.80	Structureless CHALK consisting of light grey and cream clayey sandy GRAVEL sized fragments and occasional flint gravel. Fragments are weak to moderately weak low to medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	-0.50
2.80	HSV	49.0		3.10	Trial pit complete at 3.10 m	-0.80

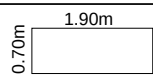
Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below approximately 2.00m

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494421E - 101773N Level: 0.80 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.20-0.70	AJ/D			0.20	Soft dark brown CLAY with some rootlets. (MADE GROUND)	0.60
0.70	HSV	69.0			Firm yellow-brown mottled grey and orange-brown CLAY with occasional rootlets. (RAISED MARINE DEPOSIT)	
1.00-1.30	B				.. Becoming soft below approximately 1.00m	
1.30	HSV	39.0				
1.80-2.20	D			1.80	Soft dark grey organic CLAY with some plant remains. (RAISED MARINE DEPOSIT)	-1.00
				2.20	Trial pit complete at 2.20 m	-1.40

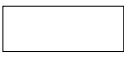
Remarks: 1. Terminated at 2.20m for soakaway test

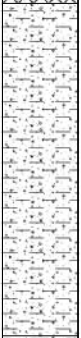
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Very small quantity entering below approximately 2.00m

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494460E - 101763N Level: 0.80 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Side spalling from 2.00m bgl.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
1.10-1.40	D			0.30	Soft to firm brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to medium chalk. (MADE GROUND)	0.50
1.40-2.00	D			1.40	Firm grey mottled orange brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to medium chalk. (RAISED MARINE DEPOSIT)	-0.60
				2.00	At 1.00m bgl: Becoming soft.	
2.90-3.80	D			2.90	Grey mottled orange brown gravelly sandy SILT with organic matter and occasional cobbles of flint. Gravel is sub-rounded to sub-angular fine to coarse flint. (RAISED MARINE DEPOSIT)	-1.20
				3.80	Soft to firm grey gravelly sandy CLAY with organic matter and occasional cobbles of flint. Gravel is sub-rounded to sub-angular fine to coarse chalk and flint. Stratum is wet. (RAISED MARINE DEPOSIT)	-2.10
				3.80	Soft to firm structureless CHALK consisting of white grey and off-white silty very gravelly sandy CLAY with occasional angular fine to coarse flint gravel and cobbles. Stratum is wet. (Grade Dm) (WHITE CHALK SUBGROUP)	-3.00
				3.80	Trial pit complete at 3.80 m	

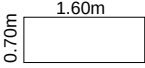
Remarks:

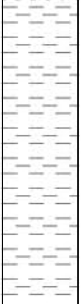
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater seepage at 1.10m bgl.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494392E - 101734N Level: 1.17 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
1.00	HSV	55.0		0.25	Soft dark brown-grey CLAY with some rootlets. (MADE GROUND)	0.92
					Firm yellow-brown mottled grey slightly sandy CLAY. (RAISED MARINE DEPOSIT)	
1.30-1.50	B			1.30	(Compact) brown-grey mottled orange-brown sandy SILT. (RAISED MARINE DEPOSIT)	-0.13
				1.50	----- Trial pit complete at 1.50 m	-0.33

Remarks: 1. Terminated at 1.50m for soakaway test

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Very small quantity entering through base

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494424E - 101726N Level: 0.82 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.25	ES			0.25	Soft to firm brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to medium chalk. (MADE GROUND)	0.57
1.20-1.50	B			1.50	Firm to stiff grey mottled orange brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to medium chalk. (RAISED MARINE DEPOSIT)	-0.68
1.80-3.60	B			1.80	Firm blue grey mottled orange brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is of shell fragments. (RAISED MARINE DEPOSIT)	-0.98
				3.60	(Compact) blue grey slightly gravelly sandy SILT. Gravel is sub-rounded to sub-angular fine to medium flint and shell fragments. (RAISED MARINE DEPOSIT)	-2.78
					Trial pit complete at 3.60 m	

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater seepage at 1.20m bgl. Further seepage at the base.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494500E - 101731N Level: 0.91 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.25	ES			0.25	Soft to firm brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to medium chalk and flint. (MADE GROUND)	0.66
					Firm to stiff grey mottled orange brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to medium chalk. (RAISED MARINE DEPOSIT)	
1.10-1.40	D				At 1.10m bgl: Becoming firm.	
						
						
2.10-2.50	D			2.10	Very soft blue grey sandy CLAY with organic matter. (RAISED MARINE DEPOSIT)	-1.19
						
						
				2.70	Very soft blue grey slightly gravelly sandy CLAY with organic matter. Gravel is sub-rounded to sub-angular fine to coarse chalk. (RAISED MARINE DEPOSIT)	-1.79
						
						
						
						
						
				3.40	Structureless CHALK consisting of off-white and white clayey sandy GRAVEL sized fragments and occasional flint gravel. Fragments are weak to moderately weak medium density. (Grade Dc)	-2.49
				3.50	(WHITE CHALK SUBGROUP)	-2.59
					Trial pit complete at 3.50 m	

Remarks: 1) Trial Pit completed at 3.50m bgl due to fast inflow of groundwater.

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater inflow at 3.50m bgl, standing at 0.60m bgl after 3 mins and 1.00m at 8 mins. Logged By : CG Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494335E - 101686N Level: 1.35 m AOD	Date 05/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides unstable from 1.20m to 2.20m bgl. Unstable to base.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.80-1.40	B			0.30	Soft to firm brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. (MADE GROUND)	1.05
					Soft to firm grey mottled orange brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint. Cobbles of flint. (RIVER TERRACE DEPOSIT)	
1.80-2.10	B			1.40		-0.05
					Firm off-white mottled orange brown gravelly sandy CLAY. Gravel is sub-rounded to sub-angular fine to coarse chalk and flint with occasional cobbles of flint. (RIVER TERRACE DEPOSIT)	
					From 2.10m bgl: Becoming wet.	
				3.00	Trial pit complete at 3.00 m	-1.65

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater not encountered.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494586E - 101688N Level: 1.06 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 1.80m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.30-0.50	AJ/D	89.0		0.30	Firm dark brown slightly sandy CLAY with some rootlets. (MADE GROUND)	0.76
				0.60	Firm brown-grey and yellow-brown slightly sandy CLAY with occasional rootlets. (SUBSOIL)	
0.60-0.90	D			1.10	Stiff yellow-brown mottled orange-brown and brown-grey sandy CLAY. (RAISED MARINE DEPOSIT)	-0.04
0.90	HSV			1.90	Brown-grey mottled yellow-brown silty fine to medium grained SAND. (RAISED MARINE DEPOSIT)	
1.10-1.50	B			2.40	Grey slightly silty fine to medium grained SAND. Stratum wet. (RAISED MARINE DEPOSIT)	-1.34
1.90-2.10	D			Trial pit complete at 2.40 m		

Remarks:

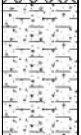
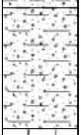
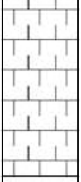
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering as running sand below approximately 2.00m

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494350E - 101667N Level: 1.31 m AOD	Date 05/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Side collapse from 1.00 to 2.00m bgl.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.30-0.60	ES			0.30	Soft to firm grey brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to angular fine to medium flint. (MADE GROUND)	1.01
				0.75	Soft to firm orange brown slightly gravelly sandy CLAY with occasional cobbles and rootlets. Gravel is sub-rounded to angular fine to coarse flint. Cobbles are flint. (RIVER TERRACE DEPOSIT)	0.56
0.75-1.50	B			1.80	Firm off-white mottled orange brown very gravelly sandy CLAY with occasional cobbles. Gravel is sub-rounded to rounded fine to medium chalk. Cobbles are flint. (RIVER TERRACE DEPOSIT)	-0.49
				2.20	White sandy clayey GRAVEL with cobbles and boulders of flint and chalk. Gravel is sub-rounded to sub-angular fine to coarse chalk. Stratum is wet. (RIVER TERRACE DEPOSIT)	-0.89
2.20-2.80	B			2.80	Structureless CHALK consisting of white clayey SAND and GRAVEL sized fragments with occasional boulders of chalk and flint. Fragments are weak to moderately weak medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	-1.49
					Trial pit complete at 2.80 m	

Remarks: 1) Trial Pit completed at 2.80m bgl due to side collapse.

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater seepage at 2.80m bgl.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494427E - 101661N Level: 0.93 m AOD	Date 06/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse between 3.00m and 3.40m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.50-1.00	B			0.20	Firm dark grey-brown silty slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse flint. (MADE GROUND)	0.73
					Stiff mottled grey-brown and brown-grey slightly silty CLAY. (RAISED MARINE DEPOSIT)	
					.. From 1.00m, firm	
2.00-2.50	B				.. From 1.30m, soft	
				1.60	Grey-brown and orange-brown mottled interlaminated very silty SAND and sandy SILT with occasional plant debris. (RAISED MARINE DEPOSIT)	-0.67
				1.95	Very soft brown-grey CLAY with occasional angular to subangular fine to coarse flint gravel and plant debris. (RAISED MARINE DEPOSIT)	-1.02
2.80-3.20	B			2.90	Structureless CHALK consisting of white silty very gravelly CLAY with occasional angular fine to coarse flint gravel. (Grade Dm) (WHITE CHALK SUBGROUP)	-1.97
				3.40	Trial pit complete at 3.40 m	-2.47

Remarks:

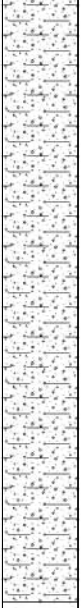
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Upwelling water strike at 3.00m rose to 2.30m

Logged By : SS

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494272E - 101623N Level: 2.14 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Unstable below 2.20m bgl.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.25-0.60	ES			0.25	Soft to firm grey brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to angular fine to medium chalk and flint. (MADE GROUND)	1.89
				0.80	Soft to firm yellow brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint. (RIVER TERRACE DEPOSIT)	1.34
0.90-1.80	B			2.80	Off white to cream becoming yellow in parts clayey SAND and GRAVEL. Gravel is sub-rounded to rounded fine to medium chalk with occasional flint nodules. Sand is fine to medium. (RIVER TERRACE DEPOSIT)	-0.66
Trial pit complete at 2.80 m						

Remarks: 1) Trial Pit completed at 2.80m bgl due to groundwater ingress.

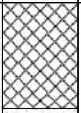
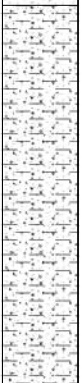
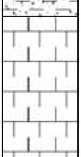
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater inflow at 2.40m bgl. Medium inflow rate.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494386E - 101621N Level: 1.20 m AOD	Date 05/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Side collapse from 1.70m bgl to base.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00	B				Brown slightly gravelly clayey SAND with abundant rootlets and occasional clay pockets. Gravel is sub-rounded to sub-angular fine to coarse flint. (MADE GROUND)	
				0.35	Firm to stiff grey mottled orange brown sandy CLAY with abundant rootlets. (RAISED MARINE DEPOSIT)	0.85
				1.20	Firm to stiff grey mottled orange brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to angular fine to coarse flint and shell fragments with occasional cobbles of flint. (RAISED MARINE DEPOSIT)	0.00
				2.50	Structureless CHALK consisting of firm white and off-white silty very gravelly CLAY with occasional angular fine to coarse flint gravel. (Grade Dm) (WHITE CHALK SUBGROUP)	-1.30
				3.00	From 2.70m bgl: Becoming soft.	-1.80
					Trial pit complete at 3.00 m	

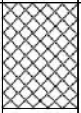
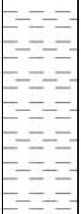
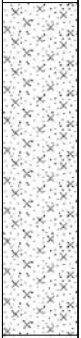
Remarks: 1) Trial Pit completed at 3.00m bgl due to groundwater ingress.

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater seepage at 1.70m bgl. High inflow rate with standing water at 0.60m bgl at 2 mins. bgl at 4 mins.

Checked By: RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494572E - 101634N Level: 0.81 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to surface	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.35	AJ/D				Firm dark brown CLAY with occasional rootlets. (MADE GROUND)	
				0.35		0.46
				0.50	Firm brown-grey mottled orange-brown slightly sandy CLAY with occasional rootlets. (SUBSOIL)	0.31
0.90	HSV	50.0			Firm brown-grey mottled orange-brown slightly sandy CLAY. (RAISED MARINE DEPOSIT)	
				1.30		-0.49
1.30-1.60	B				Grey mottled orange-brown clayey fine to coarse grained SAND. (RAISED MARINE DEPOSIT)	
					.. Becoming silty with occasional plant remains below approximately 1.50m	
				2.40	----- Trial pit complete at 2.40 m -----	-1.59

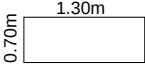
Remarks: 1. Soakaway test relocated to TP26A

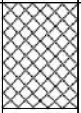
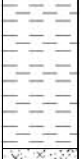
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 1.80m as running sand

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494572E - 101634N Level: 0.81 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
					Firm dark brown CLAY with occasional rootlets. (MADE GROUND)	
				0.35	Firm brown-grey mottled orange-brown slightly sandy CLAY with occasional rootlets. (SUBSOIL)	0.46
				0.50		0.31
					Firm brown-grey mottled orange-brown slightly sandy CLAY. (RAISED MARINE DEPOSIT)	
				1.30	Grey mottled orange-brown clayey fine to coarse grained SAND. (RAISED MARINE DEPOSIT)	-0.49
				1.70		-0.89
					Trial pit complete at 1.70 m	

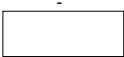
Remarks: 1. Terminated at 1.70m for soakaway test

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: No groundwater encountered

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494133E - 101601N Level: 2.75 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Side spalling from 2.10m bgl to base.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	ES			0.30	Soft grey brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to angular fine to medium chalk. (MADE GROUND)	2.45
				0.70	Soft to firm yellow brown gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to angular fine to coarse flint and chalk with occasional cobbles of flint. (RIVER TERRACE DEPOSIT)	2.05
				1.40	Soft to firm yellow to orange brown slightly gravelly sandy CLAY. Gravel is sub-rounded fine to medium chalk. (RIVER TERRACE DEPOSIT)	1.35
1.30-1.40	B			1.70	At 1.30m bgl: Gradational change with gravel of fine to coarse angular flint.	1.05
1.40-1.70	B				White mottled yellow brown clayey SAND and GRAVEL with frequent cobbles of flint. Gravel is sub-rounded to rounded fine to medium chalk and sub-rounded to sub-angular fine to coarse flint. (RIVER TERRACE DEPOSIT)	
1.70-1.80	D				Stiff grey off-white mottled yellow brown gravelly CLAY. Gravel is sub-rounded to sub-angular fine to coarse flint. Stratum is friable. (RIVER TERRACE DEPOSIT)	
				2.70	Structureless CHALK consisting of light grey off-white mottled yellow brown very clayey SAND and GRAVEL sized fragments with occasional cobbles of flint. Gravel weak to moderately weak medium density rounded to sub-angular fine to coarse. Stratum is wet. (WHITE CHALK SUBGROUP)	0.05
2.70-2.90	D			2.90	From 2.80m bgl: Becoming gravelly and intact.	-0.15
					Trial pit complete at 2.90 m	

Remarks: 1) Trial Pit completed at 2.90m bgl due to groundwater ingress.

HSV = Hand Shear Vane reading (kPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater inflow at 2.90m bgl. Low to medium inflow rate.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494279E - 101594N Level: 2.00 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Unstable from 1.70m bgl to base.	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	ES			0.30	Soft to firm grey brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-round to angular fine to medium flint and chalk. (MADE GROUND)	1.70
				0.80	Soft to firm yellow brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. (RIVER TERRACE DEPOSIT)	1.20
0.80-1.40	B			2.60	Firm brown mottled orange slightly gravelly sandy CLAY. Gravel is sub-rounded to rounded fine to medium chalk. Gleying at the upper horizon. (RIVER TERRACE DEPOSIT)	-0.60
				3.30	Structureless CHALK consisting of off-white to cream brown clayey SAND and GRAVEL sized fragments and occasional flint gravel. Gravel is weak to moderately weak medium density sub-rounded to sub-angular fine to coarse. (Grade Dc) (WHITE CHALK SUBGROUP)	-1.30
					Trial pit complete at 3.30 m	

Remarks: 1) Trial Pit completed at 3.30m bgl due to groundwater ingress.

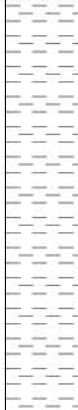
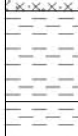
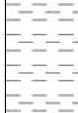
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater inflow at 2.90m bgl. High inflow rate.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494414E - 101598N Level: 1.03 m AOD	Date 06/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.50-1.20	B			0.20	Firm dark grey brown silty CLAY. (MADE GROUND)	0.83
					Stiff mottled brown-grey and grey-brown slightly silty CLAY. (RAISED MARINE DEPOSIT)	
1.70	B			1.60	Grey and brown laminated SILT and very silty SAND with some plant debris. (RAISED MARINE DEPOSIT)	-0.57
				1.90	Stiff mottled brown-grey and grey-brown slightly silty CLAY. (RAISED MARINE DEPOSIT)	-0.87
2.30-2.50	B			2.20	Very soft grey-brown slightly gravelly CLAY with some plant debris. Greavel is subangular to subrounded fine to coarse flint. (RAISED MARINE DEPOSIT)	-1.17
				2.70	Soft light grey sandy gravelly CLAY. Gravel is angular to subangular fine to coarse chalk and flint.	-1.67
				2.85	(RIVER TERRACE DEPOSIT)	-1.82
Trial pit complete at 2.85 m						

Remarks:

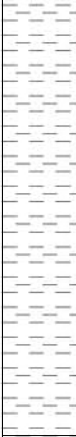
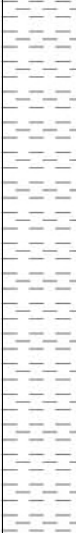
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: High inflow at 2.40m

Logged By : SS

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494541E - 101609N Level: 0.88 m AOD	Date 06/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Moderate collapse from 1.70m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.50-1.00	B			0.25	Firm dark brown very silty CLAY with occasional angular fine to coarse flint gravel. (MADE GROUND)	0.63
				1.70	Stiff mottled brown and grey slightly silty CLAY, locally silty. (RAISED MARINE DEPOSIT) .. Firm from 1.50m	
2.00-2.50	B			3.50	Very soft red-brown and grey thinly laminated silty CLAY, clayey SILT and occasional sand laminae. Occasional plant debris. (RAISED MARINE DEPOSIT) .. Increasing sand laminae from 3.00m.	-0.82
					Trial pit complete at 3.50 m	

Remarks:

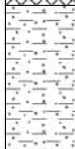
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Slight seepage from 3.0m

Logged By : SS

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494188E - 101577N Level: 2.76 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)	
Depth (m)	Type	Results					
0.30-0.80	ES			0.30	Soft grey brown slightly gravelly sandy CLAY with frequent rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint. (MADE GROUND)	2.46	
				0.80	Soft to firm yellow brown slightly gravelly CLAY. Gravel is sub-rounded to angular fine to coarse flint with rare cobbles of flint. (RIVER TERRACE DEPOSIT)	1.96	
1.50-1.70	D				Firm yellow brown slightly gravelly sandy CLAY. Gravel is sub-rounded to sub-angular fine to medium flint. (RIVER TERRACE DEPOSIT)		
2.30-2.60	D			2.30	Grey to off-white mottled yellow brown sandy gravelly CLAY with occasional cobbles of flint. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. Stratum is wet. (RIVER TERRACE DEPOSIT)	0.46	
2.80-3.20	B			2.80	Structureless CHALK consisting of off-white to cream speckled black clayey sandy GRAVEL sized fragments and occasional flint gravel. Fragments are weak to moderately weak low to medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	-0.04	
				3.20	Trial pit complete at 3.20 m		-0.44

Remarks: 1) Trial Pit completed at 3.20m bgl due to groundwater ingress.

HSV = Hand Shear Vane reading (kPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater encountered at 3.20m bgl. Low to medium inflow rate.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494322E - 101560N Level: 2.20 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Unstable from 2.80m bgl to base.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.60-1.10	D			0.30	Soft to firm grey brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to angular fine to medium chalk and flint. (MADE GROUND)	1.90
				0.60	Soft to firm yellow brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. (SUBSOIL)	1.60
				1.50	Firm brown mottled orange slightly gravelly sandy CLAY with occasional cobbles of flint. Gravel is sub-rounded to rounded fine to coarse chalk and flint. (RIVER TERRACE DEPOSIT)	0.70
1.50-2.10	D			3.20	Off-white grey mottled orange brown very clayey SAND and GRAVEL with flint cobbles. Gravel is sub-rounded to angular fine to coarse flint and sub-rounded fine to medium chalk. (RIVER TERRACE DEPOSIT)	0.70
					From 2.40m bgl: Becoming wet.	
				3.20	Trial pit complete at 3.20 m	-1.00

Remarks: 1) Trial Pit completed at 3.20m bgl due to groundwater ingress.

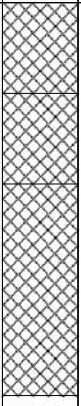
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater encountered below 2.90m bgl.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494268E - 101396N Level: 2.50 m AOD	Date 13/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
				0.30	Firm greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular fine to medium flint. (MADE GROUND)	2.20
				0.60	Yellow-brown and light grey clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse chalk and flint. (MADE GROUND)	1.90
					Firm orange-brown very sandy CLAY in western end of pit from 0.30m (RIVER TERRACE DEPOSIT).	
				1.30	Dark grey and grey-brown slightly clayey sandy GRAVEL with occasional cobbles. Gravel is angular to subangular fine to coarse ash, clinker, metal fragments, possible asbestos containing materials. Cobbles are metal fragmenets and glass. (MADE GROUND)	1.20
					Trial pit complete at 1.30 m	

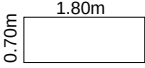
Remarks: 1. Trench extended to identify edge of backfilled pond.

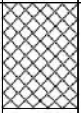
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: No groundwater encountered

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494543E - 101557N Level: 1.05 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of sides from base to 1.50m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.35-0.60	AJ/D	58.0		0.35	Firm dark brown slightly sandy slightly gravelly CLAY with some rootlets. Gravel is angular medium flint. (MADE GROUND)	0.70
0.60-0.80	D			0.60	Firm light brown-grey mottled orange-brown slightly sandy CLAY with occasional rootlets. (SUBSOIL)	0.45
0.80	HSV			0.90	Firm grey-brown mottled orange-brown slightly sandy CLAY. (RAISED MARINE DEPOSIT)	0.15
1.40-1.70	B			1.40	Grey-brown mottled orange-brown slightly silty fine to medium grained SAND. (RAISED MARINE DEPOSIT)	-0.35
				1.70	Grey fine to medium grained SAND. (RAISED MARINE DEPOSIT)	-0.65
					----- Trial pit complete at 1.70 m	

Remarks: 1. Terminated at 1.70m for soakaway test

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering below 1.50m in running sand condition

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494382E - 101525N Level: 1.62 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Unstable from 1.50m bgl to base.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	ES			0.30	Soft to firm grey brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint, tarmac and chalk. (MADE GROUND)	1.32
				0.60	Soft to firm yellow brown slightly gravelly sandy CLAY with occasional boulders of concrete. Gravel is sub-rounded to sub-angular fine to coarse flint and plastic. (MADE GROUND)	1.02
				0.80	Soft to firm brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to medium flint. (RIVER TERRACE DEPOSIT)	0.82
1.00-1.40	D			1.80	Stiff grey mottled orange brown slightly gravelly sandy CLAY. Gravel is sub-rounded to rounded fine to medium chalk with occasional flint. (RIVER TERRACE DEPOSIT) At 1.00m bgl: Land drain encountered. At 1.70m bgl: Becoming gravelly.	-0.18
				2.10	Soft light grey gravelly sandy CLAY. Gravel is sub-rounded to sub-angular fine to coarse chalk. (RIVER TERRACE DEPOSIT)	-0.48
				3.40	Structureless CHALK consisting of off-white grey clayey SAND and GRAVEL with flint cobbles. Gravel is weak to moderately weak medium density sub-rounded to angular fine to coarse. Stratum is wet. (Grade Dc) (WHITE CHALK SUBGROUP)	-1.78
					Trial pit complete at 3.40 m	

Remarks:

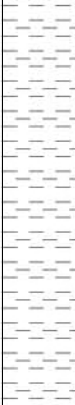
HSV = Hand Shear Vane reading (kPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater not encountered.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494406E - 101514N Level: 0.98 m AOD	Date 06/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Slight water strike at 3.20m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.20	D			0.25	Soft to firm grey-brown silty CLAY with occasional subangular to subrounded fine to coarse flint gravel. (MADE GROUND)	0.73
				0.35	Stiff grey slightly silty CLAY. (SUBSOIL)	0.63
0.50-1.00	B				Firm grey-brown and brown-grey thinly laminated locally slightly silty CLAY. (RAISED MARINE DEPOSIT)	
					From 1.50m, soft, locally very soft	
2.00-2.30	B			1.80	Brown-grey and grey-brown interlaminated slightly clayey SILT and very silty SAND with occasional plant debris and angular to subangular fine to coarse flint gravel. (RAISED MARINE DEPOSIT)	-0.82
				2.40	Very soft to soft grey-brown CLAY with occasional plant debris and subangular to subrounded fine to coarse flint gravel. (RAISED MARINE DEPOSIT)	-1.42
2.50-2.80	B			3.00	Structureless CHALK consisting of white silty very gravelly CLAY with occasional angular fine to coarse flint gravel. Chalk is weak. (Grade Dm) (WHITE CHALK SUBGROUP)	-2.02
				3.30	Trial pit complete at 3.30 m	-2.32

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Moderate collapse between 1.80m and 3.30m

Logged By : SS

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494248E - 101487N Level: 2.99 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	ES			0.30	Soft to firm grey brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to rounded fine to medium chalk. (MADE GROUND)	2.69
0.60-1.10	B			0.60	Soft to firm yellow brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. (SUBSOIL)	2.39
				1.60	Firm brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to coarse chalk with occasional cobbles of flint. (RIVER TERRACE DEPOSIT)	1.39
				2.60	Stiff brown grey mottled yellow brown sandy gravelly CLAY with frequent cobbles of flint and chalk and rare pockets of sand. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. (RIVER TERRACE DEPOSIT)	0.39
1.60-2.60	B			3.50	Grey to off-white slightly silty gravelly SAND with frequent cobbles of flint. Gravel is sub-rounded to sub-angular fine to coarse flint. (RIVER TERRACE DEPOSIT)	-0.51
2.60-2.90	B			3.60		-0.61
3.50-3.60	B				Trial pit complete at 3.60 m	

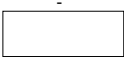
Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater not encountered.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494361E - 101469N Level: 2.34 m AOD	Date 05/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.25-0.70	ES			0.25	Soft to firm grey brown slightly gravelly sandy CLAY with abundant rootlets and occasional cobbles of flint. Gravel is sub-rounded to sub-angular fine to coarse flint. (MADE GROUND)	2.09
0.60-0.90	B				Orange brown slightly gravelly clayey SAND with occasional rootlets and pockets of clay. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk with occasional cobbles of flint. (MADE GROUND)	
				1.40	At 1.30m bgl: Concrete obstruction in the southern edge of the pit.	0.94
				1.70	Brown black slightly gravelly silty SAND with organic matter. Gravel is sub-rounded to sub-angular fine to medium chalk. (MADE GROUND)	0.64
1.50-2.20	B				Soft grey mottled orange brown slightly gravelly sandy CLAY with organic material. Gravel is sub-rounded to sub-angular fine to medium chalk. (RAISED MARINE DEPOSIT)	
				2.40	Black and blue grey sandy clayey GRAVEL with frequent cobbles of flint. Gravel is sub-rounded to sub-angular fine to coarse flint. (RAISED MARINE DEPOSIT)	-0.06
2.40-2.80	B			2.80	Firm white grey and yellow sandy CLAY with organic matter. (RAISED MARINE DEPOSIT)	-0.46
				3.10	Trial pit complete at 3.10 m	-0.76

Remarks: 1) Trial Pit extended to the north to avoid concrete obstruction at 1.30m bgl.

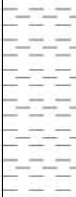
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater seepage at 2.30m bgl to base.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494470E - 101481N Level: 0.94 m AOD	Date 06/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse 'running' between 2.40m and 2.80m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.30-0.80	B			0.25	Firm grey-brown silty CLAY with occasional subangular to subrounded fine to coarse flint gravel. (MADE GROUND)	0.69
					Stiff mottled grey, brown and orange-brown slightly silty CLAY. (RAISED MARINE DEPOSIT)	
1.50-2.30	B			1.25	Brown and orange-brown slightly clayey SILT. (RAISED MARINE DEPOSIT)	-0.31
				1.45	Firm to stiff mottled brown-grey and orange-brown CLAY. (RAISED MARINE DEPOSIT)	-0.51
				2.40	Soft light grey sandy gravelly CLAY. Gravel is angular to subangular fine to coarse chalk and flint. (RIVER TERRACE DEPOSIT)	-1.46
				3.80	Trial pit complete at 3.80 m	-2.86

Remarks:

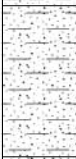
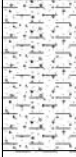
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Struck at 2.40m, rose to 1.65m

Logged By : SS

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494512E - 101490N Level: 1.03 m AOD	Date 04/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.20	ES			0.20	Firm to stiff brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. (MADE GROUND)	0.83
				0.90	Firm blue grey mottled orange brown sandy CLAY. (RAISED MARINE DEPOSIT)	
0.90-1.40	B			1.40	Grey yellow brown clayey SAND. Sand is fine to medium. (RAISED MARINE DEPOSIT)	0.13
				1.70	Grey yellow brown slightly gravelly clayey SAND containing organic matter. Gravel is sub-rounded to sub-angular fine to medium chalk. (RAISED MARINE DEPOSIT)	-0.37
1.70-2.20	B			2.20	Very soft grey brown becoming mottled orange slightly gravelly sandy CLAY. Gravel is sub-rounded fine to medium chalk. (RAISED MARINE DEPOSIT)	-0.67
					Trial pit complete at 2.20 m	-1.17

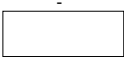
Remarks: 1) Trial pit excavated for infiltration rate testing.

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater not encountered.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494267E - 101438N Level: 2.50 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Side collapse from 2.40m to 3.00m bgl.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.30-0.60	D			0.30	Soft to firm grey brown gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded fine to medium chalk. (MADE GROUND)	2.20
				0.70	Soft to firm yellow brown gravelly sandy CLAY with occasional rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint with rare metal fragments. (MADE GROUND)	1.80
0.70-1.10	B			1.90	Firm yellow brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is coarse sub-angular flint. (RIVER TERRACE DEPOSIT)	0.60
				3.00	Structureless CHALK consisting of light grey and cream clayey sandy GRAVEL sized fragments and occasional flint gravel. Fragments are weak to moderately weak medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	-0.50
2.40-2.70	B				At 1.20m bgl: Becoming gravelly.	
				3.00	Trial pit complete at 3.00 m	

Remarks: 1) Trial Pit completed at 3.00m bgl due to groundwater ingress.

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater entered at 2.70m bgl. Standing water at 2.90m bgl on completion.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494386E - 101455N Level: 1.28 m AOD	Date 05/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Side stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.30-0.55	ES			0.30	Soft to firm brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to coarse chalk and flint. (MADE GROUND)	0.98
0.55-0.70	B			0.55	Soft to firm orange brown gravelly sandy CLAY. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. (RIVER TERRACE DEPOSIT)	0.73
0.70-1.10	B			0.70	Grey mottled orange brown gravelly sandy CLAY with abundant rootlets and frequent cobbles of flint. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk. Occasional boulders of flint. (RIVER TERRACE DEPOSIT)	0.58
1.10-2.40	B			2.40	Off-white grey and orange brown gravelly sandy CLAY with occasional cobbles of flint. Gravel is sub-rounded to rounded fine to medium chalk with occasional flint gravel. (RIVER TERRACE DEPOSIT)	-1.12
2.40-2.70	B			3.20	Firm blue grey to off-white sandy gravelly CLAY. Gravel is sub-rounded to sub-angular fine to coarse chalk with frequent cobbles of flint. Stratum is wet. (RIVER TERRACE DEPOSIT)	-1.92
					At 3.00m bgl: Becoming soft.	
					Trial pit complete at 3.20 m	

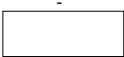
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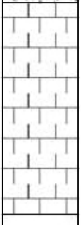
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater seepage at 3.20m bgl. Filling from the base producing standing water.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494338E - 101441N Level: 2.51 m AOD	Date 05/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.30	ES			0.30	Grey brown gravelly clayey SAND with abundant rootlets. Gravel is sub-rounded to angular fine to coarse chalk and flint. (MADE GROUND)	2.21
0.30-0.75	ES			0.75	Grey brown gravelly clayey SAND with occasional rootlets and cobbles of flint. Gravel is sub-rounded to angular fine to coarse chalk, flint, red brick, plastic and wood fragments. (MADE GROUND)	1.76
				1.10	Light grey gravelly COBBLES. Gravel and cobbles are chalk. (MADE GROUND)	1.41
1.10-1.80	B			2.00	Firm to stiff orange brown slightly gravelly sandy CLAY with black organic matter. Gravel is sub-rounded to sub-angular medium to coarse flint with occasional cobbles of flint. (RIVER TERRACE DEPOSIT)	0.51
2.60-2.90	B			2.60	Stiff grey mottled orange brown slightly gravelly sandy CLAY. Gravel is angular fine to coarse shell fragments. Stratum is friable. (RIVER TERRACE DEPOSIT)	-0.09
				3.30	Structureless CHALK consisting of soft grey off-white mottled orange brown slightly gravelly sandy CLAY with occasional flint gravel. Stratum is wet. (Grade Dm) (WHITE CHALK SUBGROUP)	-0.79
					From 3.10m bgl: Becoming firm to stiff and gravelly.	
					Trial pit complete at 3.30 m	

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater not encountered.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494419E - 101439N Level: 1.39 m AOD	Date 05/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides unstable from 1.20m to base.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.25	ES			0.25	Soft to firm brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to medium chalk. (MADE GROUND)	1.14
				0.60	Soft to firm yellow brown slightly gravelly sandy CLAY with abundant rootlets. Gravel is sub-rounded to sub-angular fine to coarse chalk. (RIVER TERRACE DEPOSIT)	0.79
				1.80	Firm to stiff grey mottled orange brown slightly gravelly sandy CLAY. Gravel is sub-rounded to sub-angular fine to coarse flint. (RIVER TERRACE DEPOSIT)	0.79
				2.20	From 1.30m bgl: Becoming soft to firm.	
				2.20	Soft off-white orange gravelly sandy CLAY. Gravel is sub-rounded to rounded fine to coarse chalk. (RIVER TERRACE DEPOSIT)	-0.41
				2.20	Off-white grey clayey SAND and GRAVEL with frequent cobbles of flint. Gravel is sub-rounded to rounded fine to coarse flint and sub-rounded fine to medium chalk. Stratum is wet. (RIVER TERRACE DEPOSIT)	-0.81
2.20-3.00	B			3.00	Trial pit complete at 3.00 m	-1.61

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater encountered at 1.30m bgl.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494279E - 101403N Level: 2.20 m AOD	Date 03/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Unstable.	Plant Used:

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.20	ES			0.30	Light brown gravelly slightly clayey SAND with abundant rootlets. Gravel is sub-rounded to sub-angular fine to coarse flint, red brick, and occasional metal fragments. (MADE GROUND)	1.90
0.30	ES			0.40	Light yellow brown gravelly SAND with some pockets of soft to firm clay. Gravel is sub-rounded to sub-angular fine to medium flint. (MADE GROUND)	1.80
				0.55	Stiff light yellow brown becoming stained brown black sandy gravelly CLAY with occasional cobbles. Gravel is subrounded flint with angular pipe, metal fragments, black ash and asbestos cement sheeting. Cobbles are concrete. (MADE GROUND)	1.65
0.55-1.10	ES			1.10	Red brown gravelly SAND with occasional cobbles. Gravel is sub-rounded to sub-angular fine to coarse flint and chalk with angular fine to coarse metal fragments, tarmac and asbestos cement sheeting. Cobbles are brick. (MADE GROUND)	1.10
				1.60	Red brown slightly clayey sandy GRAVEL with cobbles and boulders of intact brick work and concrete. Gravel is angular fine to coarse brick, plastic, metal fragments, ash, concrete and asbestos cement sheeting. (MADE GROUND)	0.60
					Trial pit complete at 1.60 m	

Remarks:

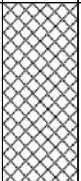
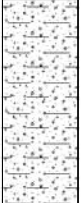
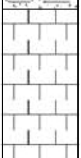
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Groundwater encountered at 1.50m bgl.

Logged By : CG

Checked By : RB

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494342E - 101604N Level: 1.90 m AOD	Date 13/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Collapse of both faces from base to 1.70m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.00-0.60	AJ/D			0.60	Greyish brown slightly silty slightly sandy GRAVEL with many cobbles. Gravel is angular fine to coarse flint. Cobbles are flint, brick and occasional metal fragments. Possible foundation base. (MADE GROUND)	1.30
				1.70	Soft orange-brown and grey sandy slightly gravelly CLAY. Gravel is angular fine to coarse flint. (RIVER TERRACE DEPOSIT)	0.20
				2.40	Light grey and yellow-brown clayey sandy GRAVEL. Gravel is subangular fine to medium chalk and angular fine to coarse flint. (RIVER TERRACE DEPOSIT)	-0.50
				2.90	Structureless CHALK consisting of clayey sandy GRAVEL sized fragments and occasional flint gravel. Fragments are very weak and weak, medium density subangular. (Grade Dc) (WHITE CHALK SUBGROUP)	-1.00
					Trial pit complete at 2.90 m	

Remarks:

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: Entering as running sand below 2.00m, standing 2.60m at completion

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494353E - 101444N Level: 2.40 m AOD	Date 13/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Overbreak of sides from ground level to 1.40m	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
0.60-1.00	AJ/D			0.20	Stiff greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subrounded medium flint. (MADE GROUND)	2.20
					Soft grey-brown sandy gravelly CLAY with occasional cobbles. Gravel is angular to subrounded fine to coarse flint and chalk. Cobbles are chalk. (MADE GROUND)	
				0.60	Dark grey slightly silty sandy GRAVEL with occasional cobbles and clay pockets. Gravel is angular to subangular fine to coarse ash. Cobbles are metal fragments. (MADE GROUND)	1.80
				1.40	Light grey and yellow-brown clayey sandy GRAVEL. Gravel is subangular fine to medium chalk and angular fine to coarse flint. (RIVER TERRACE DEPOSIT)	1.00
				2.10	Trial pit complete at 2.10 m	0.30

Remarks:

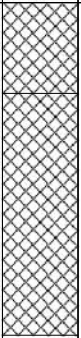
HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: No groundwater encountered

Logged By : RB

Checked By : CV

Project Name Oldland's Farm	Project No. C14459	Co-ords: 494278E - 101416N Level: 2.40 m AOD	Date 13/06/2014
Location: Bognor Regis		Dimensions: 	Scale 1:25
Client: Bericote		Trial Pit Stability : Sides stable and upright	Plant Used: JCB 3CX

Samples & In Situ Testing			Legend	Depth (m)	Stratum Description	Level (m AOD)
Depth (m)	Type	Results				
				0.30	Firm greyish brown sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular fine to medium flint and occasional brick (MADE GROUND)	2.10
					Dark grey and grey-brown slightly silty sandy GRAVEL with occasional cobbles. Gravel is angular to subangular fine to coarse ash, clinker, glass and occasional metal fragments. Cobbles are glass, metal fragments and occasional flint. (MADE GROUND)	
				1.10	.. Firm orange-brown very sandy CLAY in northern end of pit from 0.30m (RIVER TERRACE DEPOSIT).	
					----- Trial pit complete at 1.10 m	1.30

Remarks: 1. Trench extended to identify edge of backfilled pond.

HSV = Hand Shear Vane reading (KPa)
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
AJ = Amber Jar
PT = Plastic Tub
V = Vial

Groundwater: No groundwater encountered

Logged By : RB

Checked By : CV

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location	TP40	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location	TP34	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm
Client: Bericote

Test Location	TP26A	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location	TP15	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location	TP17	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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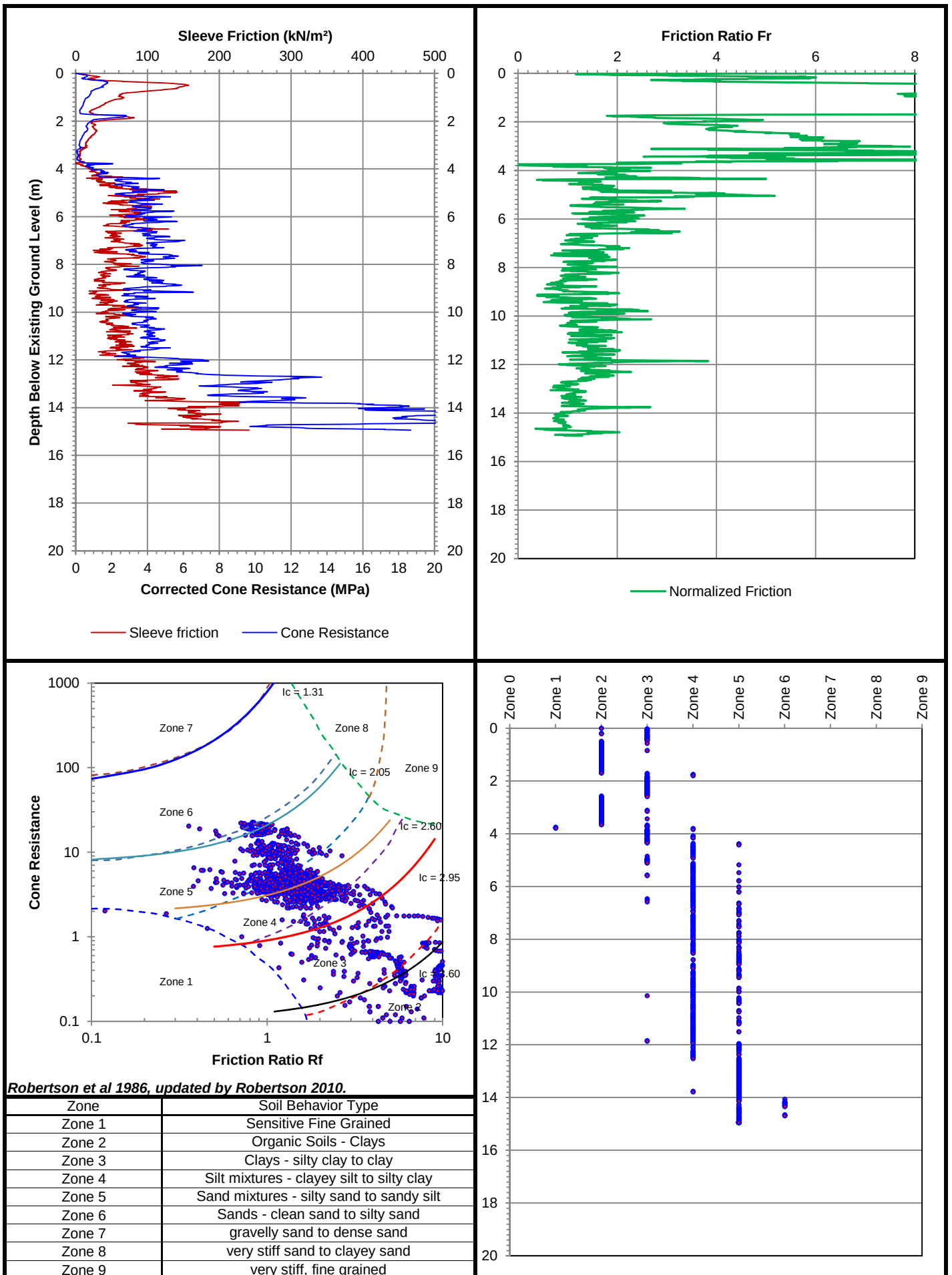
Note: Groundwater table taken as base of pit for infiltration rate calculation.



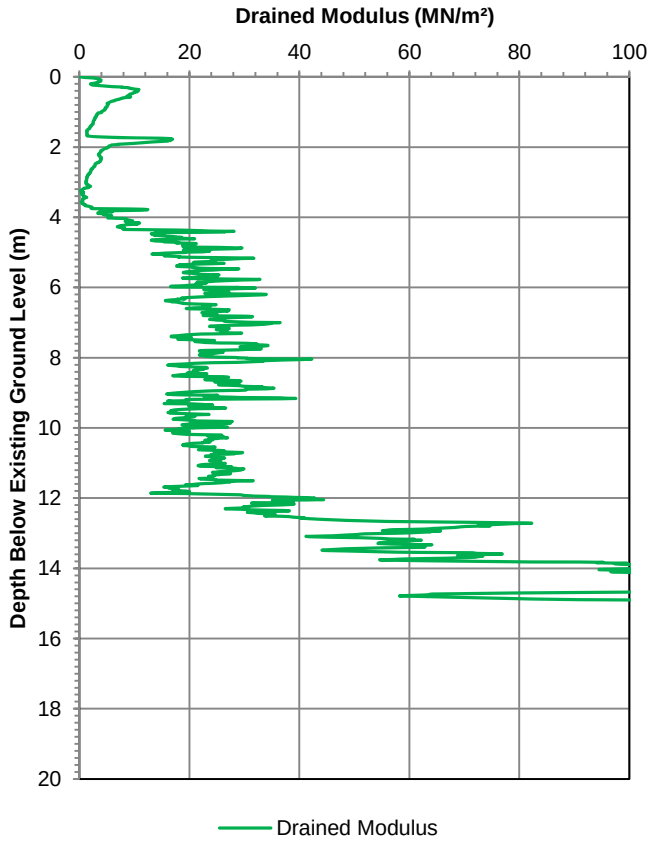
Appendix C

Cone Penetration Test Results

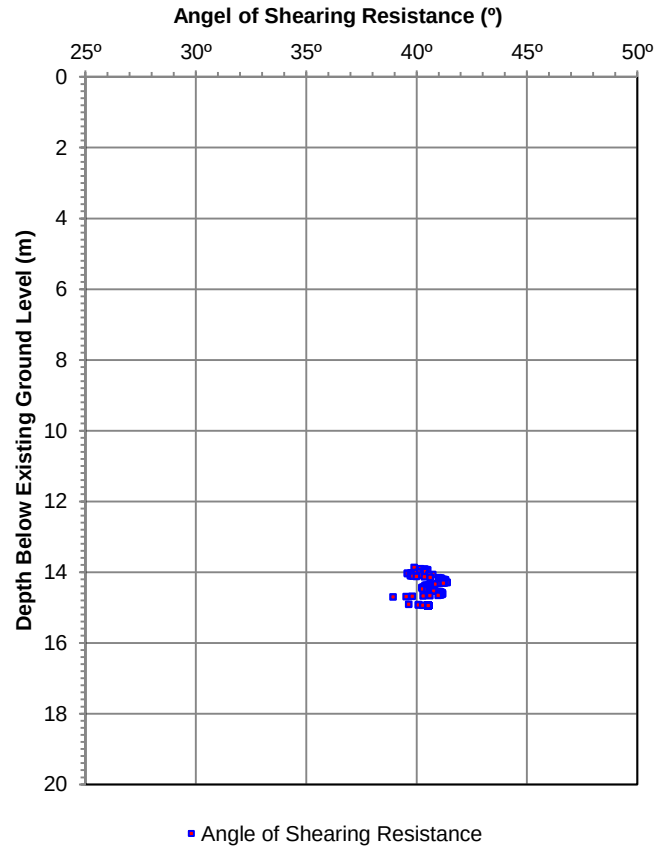
CPT Number			CPT 01		
Existing Ground Level			1.01m OD		
Layer Interval			0.25m		
Selected deformability value αm			3		
Layer	Level at Top	No of Intermediate displacement levels	Young's modulus [kPa]		Poisson's Ratio
			Top	Bottom	
1	1.01m OD	10	1508 kN/m ²	4620 kN/m ²	0.25
2	0.76m OD	10	4620 kN/m ²	3686 kN/m ²	0.25
3	0.51m OD	10	3686 kN/m ²	2388 kN/m ²	0.25
4	0.26m OD	10	2388 kN/m ²	1534 kN/m ²	0.25
5	0.01m OD	10	1534 kN/m ²	1100 kN/m ²	0.25
6	-0.24m OD	10	1100 kN/m ²	1183 kN/m ²	0.25
7	-0.49m OD	10	1183 kN/m ²	5624 kN/m ²	0.25
8	-0.74m OD	10	5624 kN/m ²	2030 kN/m ²	0.25
9	-0.99m OD	10	2030 kN/m ²	1831 kN/m ²	0.25
10	-1.24m OD	10	1831 kN/m ²	1165 kN/m ²	0.25
11	-1.49m OD	10	1165 kN/m ²	703 kN/m ²	0.25
12	-1.74m OD	10	703 kN/m ²	596 kN/m ²	0.25
13	-1.99m OD	10	596 kN/m ²	335 kN/m ²	0.25
14	-2.24m OD	10	335 kN/m ²	531 kN/m ²	0.25
15	-2.49m OD	10	531 kN/m ²	3109 kN/m ²	0.25
16	-2.74m OD	10	3109 kN/m ²	4336 kN/m ²	0.25
17	-2.99m OD	10	4336 kN/m ²	7240 kN/m ²	0.25
18	-3.24m OD	10	7240 kN/m ²	8231 kN/m ²	0.25
19	-3.49m OD	10	8231 kN/m ²	11069 kN/m ²	0.25
20	-3.74m OD	10	11069 kN/m ²	10255 kN/m ²	0.25
21	-3.99m OD	10	10255 kN/m ²	10968 kN/m ²	0.25
22	-4.24m OD	10	10968 kN/m ²	10784 kN/m ²	0.25
23	-4.49m OD	10	10784 kN/m ²	11425 kN/m ²	0.25
24	-4.74m OD	10	11425 kN/m ²	13605 kN/m ²	0.25
25	-4.99m OD	10	13605 kN/m ²	9478 kN/m ²	0.25
26	-5.24m OD	10	9478 kN/m ²	11798 kN/m ²	0.25
27	-5.49m OD	10	11798 kN/m ²	13190 kN/m ²	0.25
28	-5.74m OD	10	13190 kN/m ²	13998 kN/m ²	0.25
29	-5.99m OD	10	13998 kN/m ²	10649 kN/m ²	0.25
30	-6.24m OD	10	10649 kN/m ²	14409 kN/m ²	0.25
31	-6.49m OD	10	14409 kN/m ²	12095 kN/m ²	0.25
32	-6.74m OD	10	12095 kN/m ²	13624 kN/m ²	0.25
33	-6.99m OD	10	13624 kN/m ²	10653 kN/m ²	0.25
34	-7.24m OD	10	10653 kN/m ²	12549 kN/m ²	0.25
35	-7.49m OD	10	12549 kN/m ²	14229 kN/m ²	0.25
36	-7.74m OD	10	14229 kN/m ²	11784 kN/m ²	0.25
37	-7.99m OD	10	11784 kN/m ²	10370 kN/m ²	0.25
38	-8.24m OD	10	10370 kN/m ²	9425 kN/m ²	0.25
39	-8.49m OD	10	9425 kN/m ²	11385 kN/m ²	0.25
40	-8.74m OD	10	11385 kN/m ²	9775 kN/m ²	0.25
41	-8.99m OD	10	9775 kN/m ²	11478 kN/m ²	0.25
42	-9.24m OD	10	11478 kN/m ²	12339 kN/m ²	0.25
43	-9.49m OD	10	12339 kN/m ²	12366 kN/m ²	0.25
44	-9.74m OD	10	12366 kN/m ²	13033 kN/m ²	0.25
45	-9.99m OD	10	13033 kN/m ²	12190 kN/m ²	0.25
46	-10.24m OD	10	12190 kN/m ²	10659 kN/m ²	0.25
47	-10.49m OD	10	10659 kN/m ²	12290 kN/m ²	0.25
48	-10.74m OD	10	12290 kN/m ²	18599 kN/m ²	0.25
49	-10.99m OD	10	18599 kN/m ²	16331 kN/m ²	0.25
50	-11.24m OD	10	16331 kN/m ²	26648 kN/m ²	0.25
51	-11.49m OD	10	26648 kN/m ²	32479 kN/m ²	0.25
52	-11.74m OD	10	32479 kN/m ²	26324 kN/m ²	0.25
53	-11.99m OD	10	26324 kN/m ²	27713 kN/m ²	0.25
54	-12.24m OD	10	27713 kN/m ²	33490 kN/m ²	0.25
55	-12.49m OD	10	33490 kN/m ²	46783 kN/m ²	0.25
56	-12.74m OD	10	46783 kN/m ²	56559 kN/m ²	0.25
57	-12.99m OD	10	56559 kN/m ²	58083 kN/m ²	0.25
58	-13.24m OD	10	58083 kN/m ²	54793 kN/m ²	0.25
59	-13.49m OD	10	54793 kN/m ²	55418 kN/m ²	0.25
60	-13.74m OD	10	55418 kN/m ²		
61	-13.99m OD	10			
62	-14.24m OD	10			
63	-14.49m OD	10			
64	-14.74m OD	10			



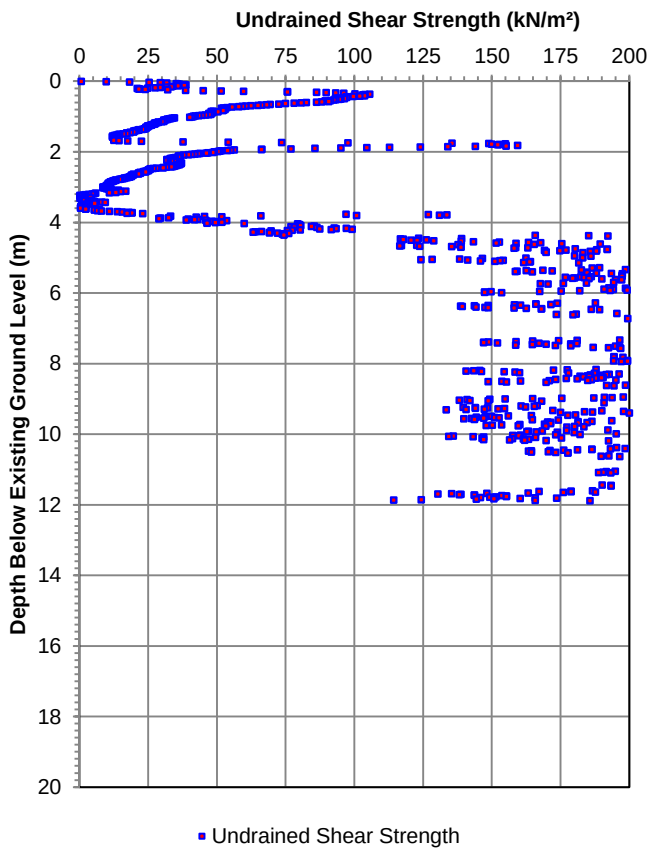
Drained Modulus (E'd)



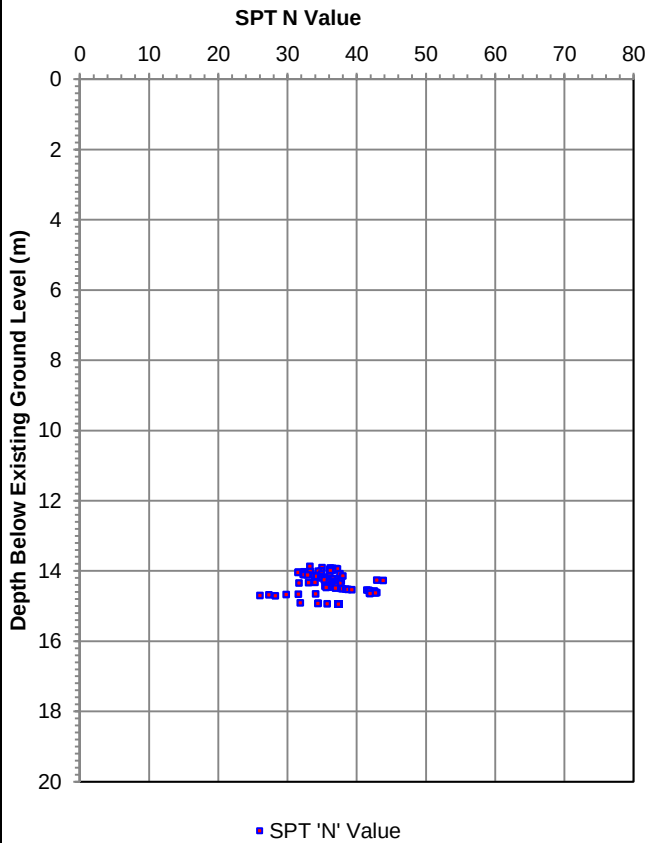
Effective Angle of Shearing Resistance



Undrained Shear Strength

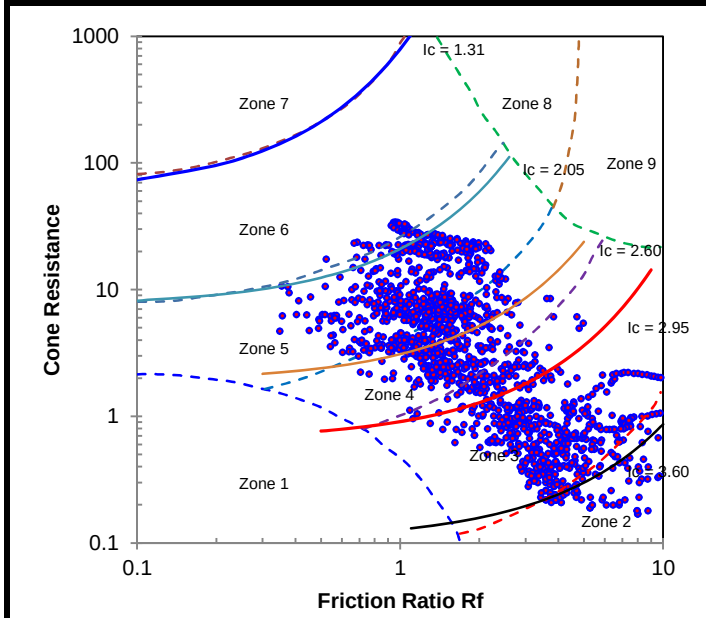
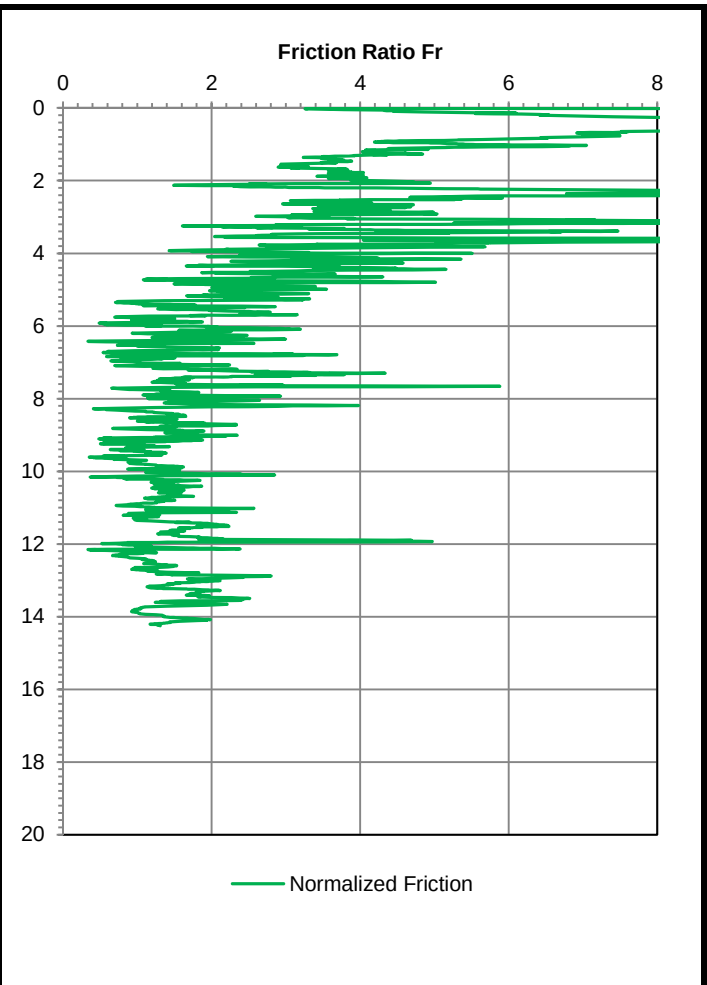
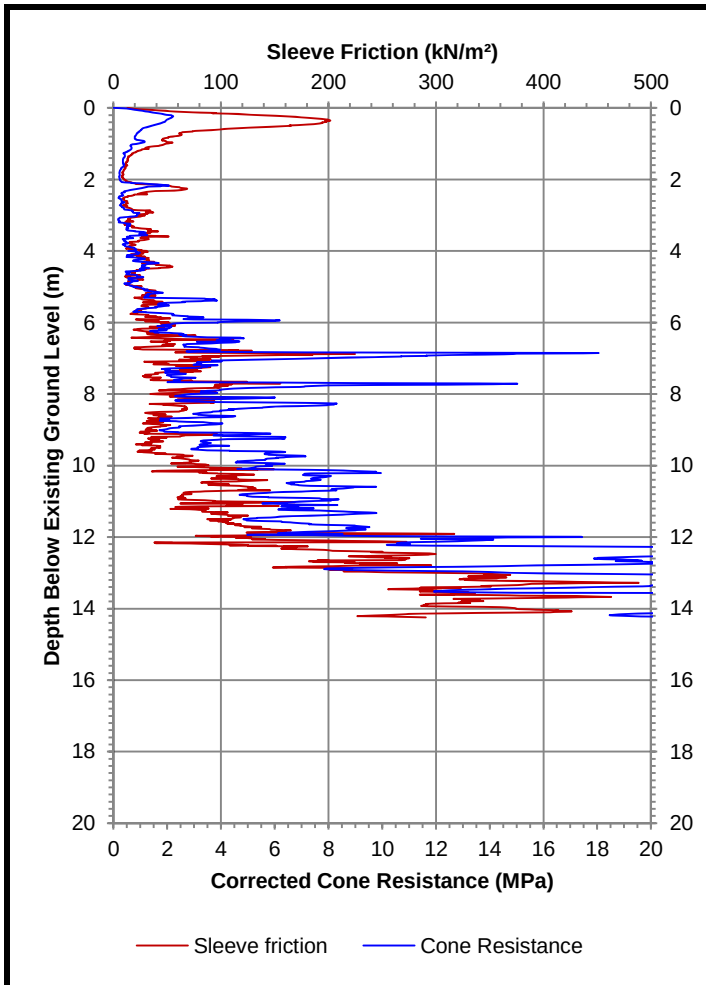


SPT 'N' Value



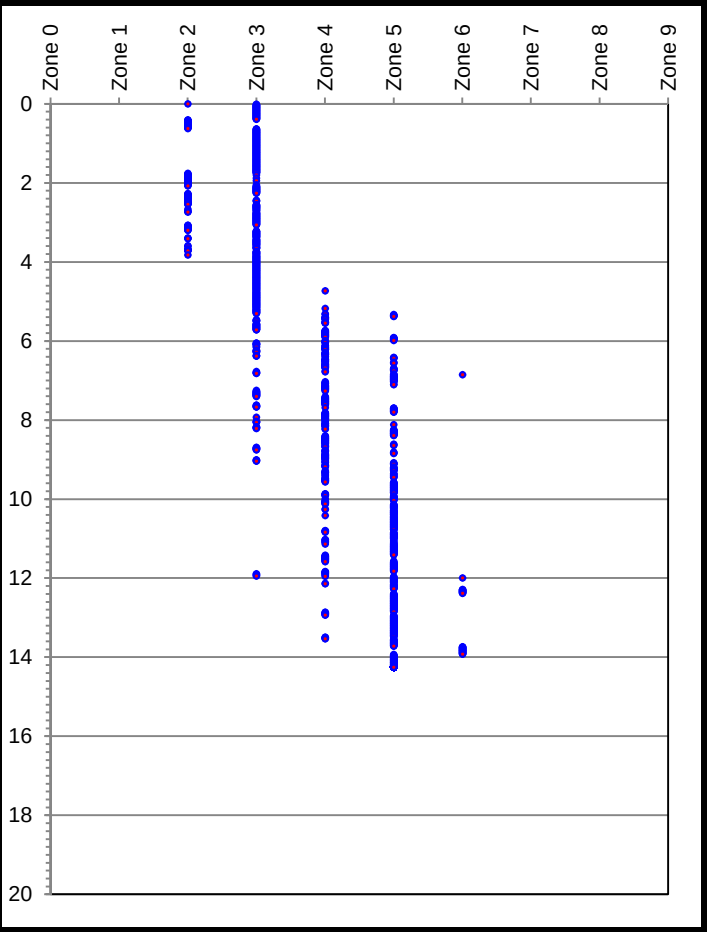


CPT Number			CPT 02		
Existing Ground Level			0.87m OD		
Layer Interval			0.25m		
Selected deformability value αm			3		
Layer	Level at Top	No of Intermediate displacement levels	Young's modulus [kPa]		Poisson's Ratio
			Top	Bottom	
1	0.87m OD	10	4318 kN/m ²	5626 kN/m ²	0.25
2	0.62m OD	10	5626 kN/m ²	3105 kN/m ²	0.25
3	0.37m OD	10	3105 kN/m ²	2761 kN/m ²	0.25
4	0.12m OD	10	2761 kN/m ²	1890 kN/m ²	0.25
5	-0.13m OD	10	1890 kN/m ²	1160 kN/m ²	0.25
6	-0.38m OD	10	1160 kN/m ²	1016 kN/m ²	0.25
7	-0.63m OD	10	1016 kN/m ²	679 kN/m ²	0.25
8	-0.88m OD	10	679 kN/m ²	3043 kN/m ²	0.25
9	-1.13m OD	10	3043 kN/m ²	1309 kN/m ²	0.25
10	-1.38m OD	10	1309 kN/m ²	848 kN/m ²	0.25
11	-1.63m OD	10	848 kN/m ²	1888 kN/m ²	0.25
12	-1.88m OD	10	1888 kN/m ²	1096 kN/m ²	0.25
13	-2.13m OD	10	1096 kN/m ²	1955 kN/m ²	0.25
14	-2.38m OD	10	1955 kN/m ²	2024 kN/m ²	0.25
15	-2.63m OD	10	2024 kN/m ²	1825 kN/m ²	0.25
16	-2.88m OD	10	1825 kN/m ²	2509 kN/m ²	0.25
17	-3.13m OD	10	2509 kN/m ²	3519 kN/m ²	0.25
18	-3.38m OD	10	3519 kN/m ²	2385 kN/m ²	0.25
19	-3.63m OD	10	2385 kN/m ²	1896 kN/m ²	0.25
20	-3.88m OD	10	1896 kN/m ²	3926 kN/m ²	0.25
21	-4.13m OD	10	3926 kN/m ²	7334 kN/m ²	0.25
22	-4.38m OD	10	7334 kN/m ²	4031 kN/m ²	0.25
23	-4.63m OD	10	4031 kN/m ²	10628 kN/m ²	0.25
24	-4.88m OD	10	10628 kN/m ²	5930 kN/m ²	0.25
25	-5.13m OD	10	5930 kN/m ²	9225 kN/m ²	0.25
26	-5.38m OD	10	9225 kN/m ²	10126 kN/m ²	0.25
27	-5.63m OD	10	10126 kN/m ²	28936 kN/m ²	0.25
28	-5.88m OD	10	28936 kN/m ²	11885 kN/m ²	0.25
29	-6.13m OD	10	11885 kN/m ²	6746 kN/m ²	0.25
30	-6.38m OD	10	6746 kN/m ²	15561 kN/m ²	0.25
31	-6.63m OD	10	15561 kN/m ²	14235 kN/m ²	0.25
32	-6.88m OD	10	14235 kN/m ²	10674 kN/m ²	0.25
33	-7.13m OD	10	10674 kN/m ²	17679 kN/m ²	0.25
34	-7.38m OD	10	17679 kN/m ²	9074 kN/m ²	0.25
35	-7.63m OD	10	9074 kN/m ²	8610 kN/m ²	0.25
36	-7.88m OD	10	8610 kN/m ²	12943 kN/m ²	0.25
37	-8.13m OD	10	12943 kN/m ²	10593 kN/m ²	0.25
38	-8.38m OD	10	10593 kN/m ²	15254 kN/m ²	0.25
39	-8.63m OD	10	15254 kN/m ²	16813 kN/m ²	0.25
40	-8.88m OD	10	16813 kN/m ²	21413 kN/m ²	0.25
41	-9.13m OD	10	21413 kN/m ²	22130 kN/m ²	0.25
42	-9.38m OD	10	22130 kN/m ²	23445 kN/m ²	0.25
43	-9.63m OD	10	23445 kN/m ²	18748 kN/m ²	0.25
44	-9.88m OD	10	18748 kN/m ²	19581 kN/m ²	0.25
45	-10.13m OD	10	19581 kN/m ²	22839 kN/m ²	0.25
46	-10.38m OD	10	22839 kN/m ²	21796 kN/m ²	0.25
47	-10.63m OD	10	21796 kN/m ²	25296 kN/m ²	0.25
48	-10.88m OD	10	25296 kN/m ²	36293 kN/m ²	0.25
49	-11.13m OD	10	36293 kN/m ²	67443 kN/m ²	0.25
50	-11.38m OD	10	67443 kN/m ²	58816 kN/m ²	0.25
51	-11.63m OD	10	58816 kN/m ²	36625 kN/m ²	0.25
52	-11.88m OD	10	36625 kN/m ²	72229 kN/m ²	0.25
53	-12.13m OD	10	72229 kN/m ²	55863 kN/m ²	0.25
54	-12.38m OD	10	55863 kN/m ²	62773 kN/m ²	0.25
55	-12.63m OD	10	62773 kN/m ²	90923 kN/m ²	0.25
56	-12.88m OD	10	90923 kN/m ²	63918 kN/m ²	0.25
57	-13.13m OD	10	63918 kN/m ²		
58	-13.38m OD	10			
59	-13.63m OD	10			
60	-13.88m OD	10			
61	-14.13m OD	10			
62	-14.38m OD	10			
63	-14.63m OD	10			
64	-14.88m OD	10			

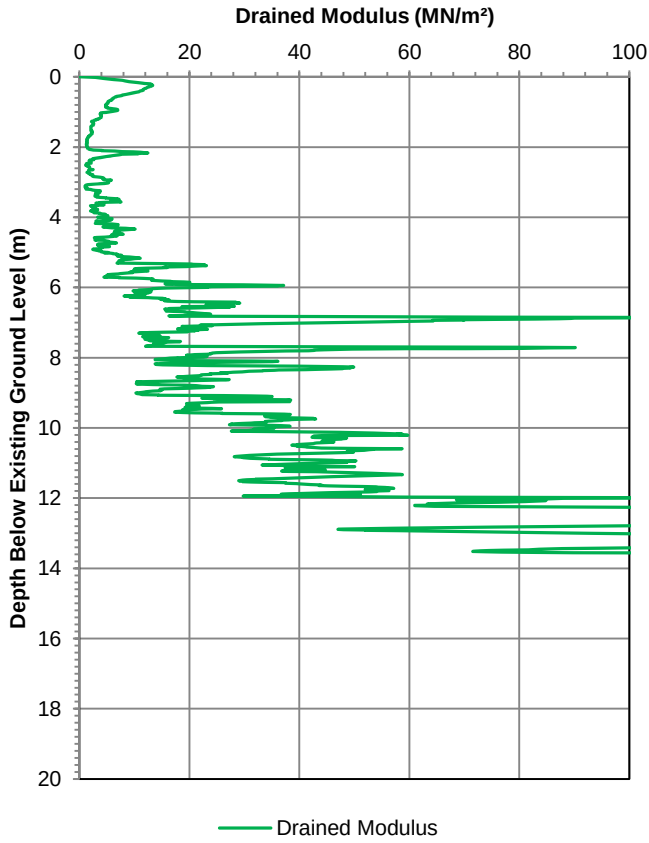


Robertson et al 1986, updated by Robertson 2010.

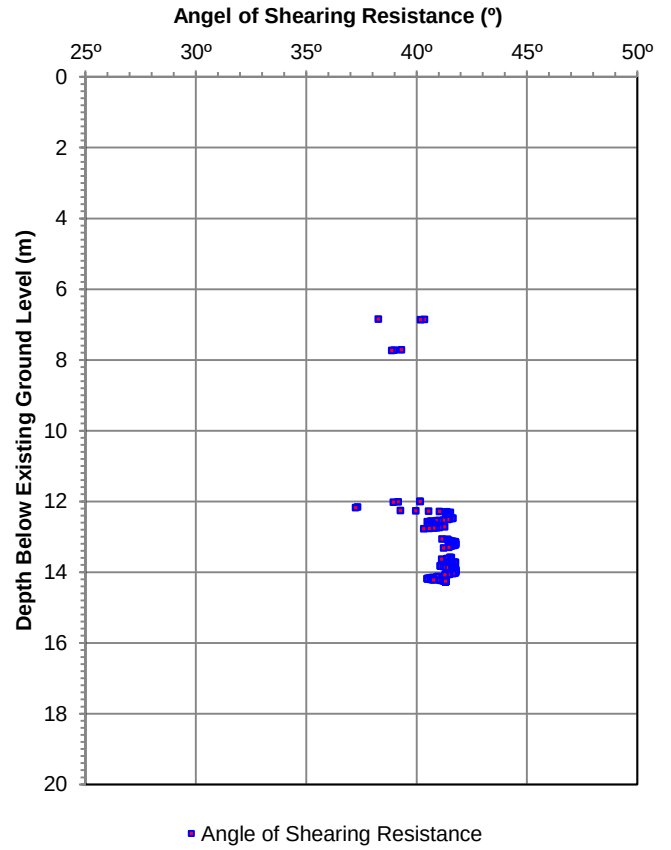
Zone	Soil Behavior Type
Zone 1	Sensitive Fine Grained
Zone 2	Organic Soils - Clays
Zone 3	Clays - silty clay to clay
Zone 4	Silt mixtures - clayey silt to silty clay
Zone 5	Sand mixtures - silty sand to sandy silt
Zone 6	Sands - clean sand to silty sand
Zone 7	gravelly sand to dense sand
Zone 8	very stiff sand to clayey sand
Zone 9	very stiff, fine grained



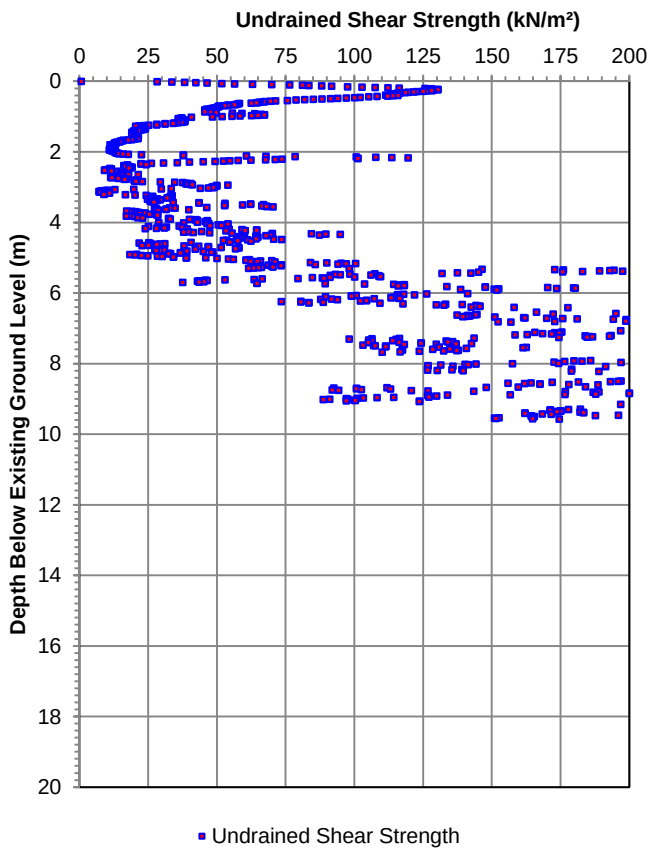
Drained Modulus (E'd)



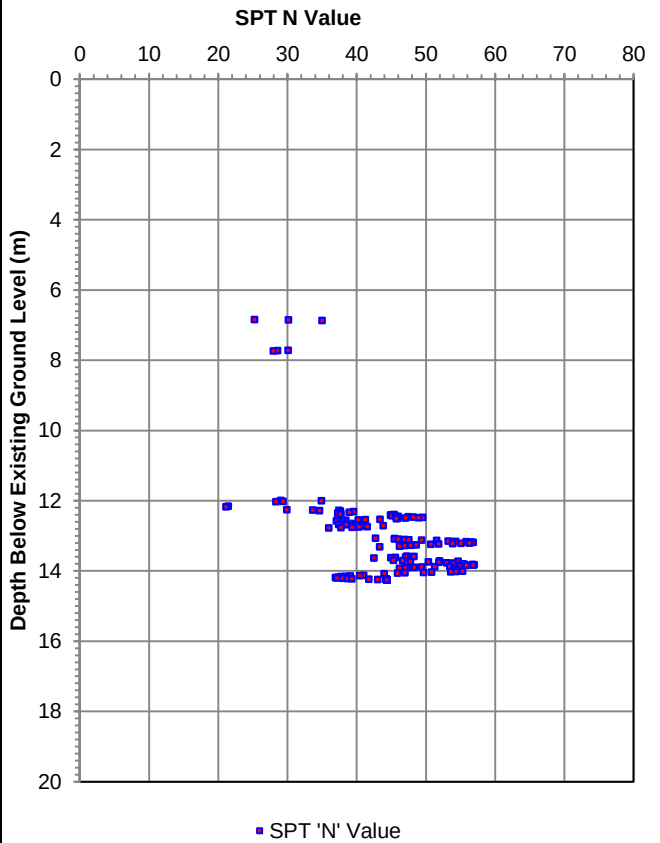
Effective Angle of Shearing Resistance



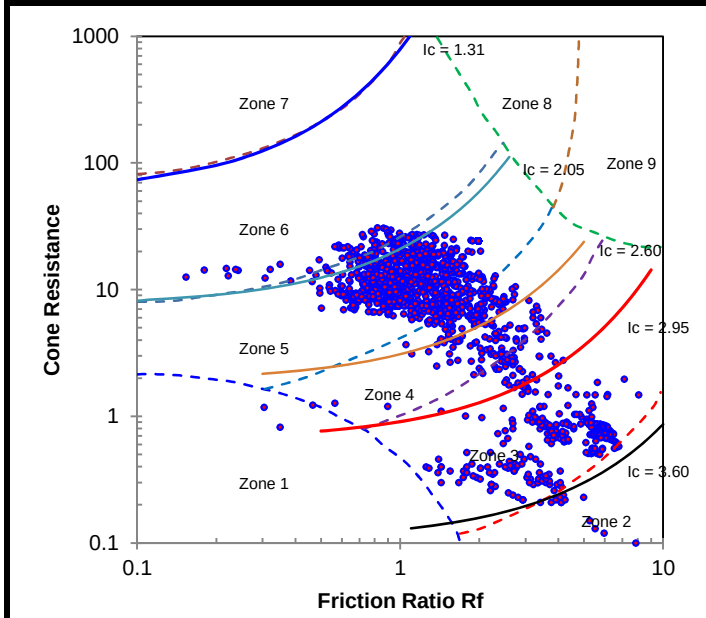
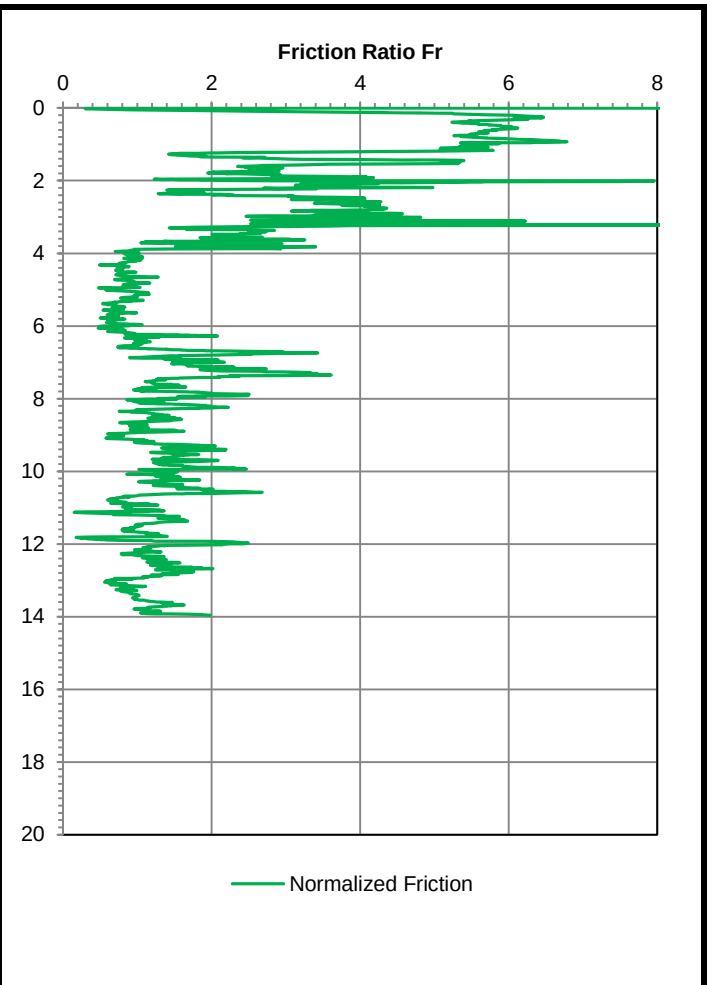
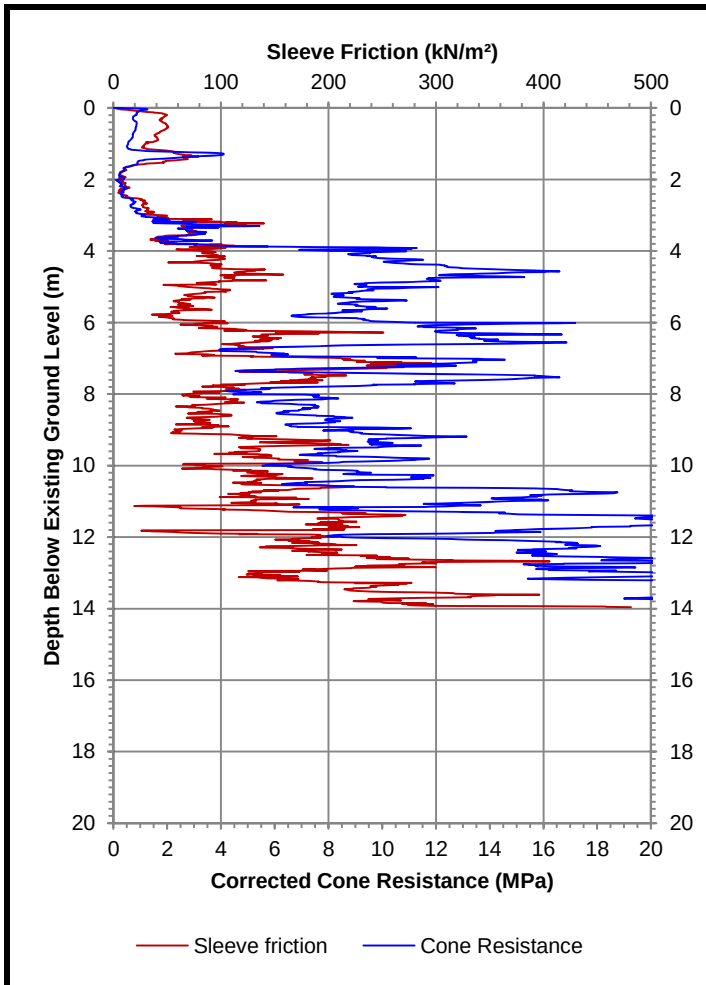
Undrained Shear Strength



SPT 'N' Value

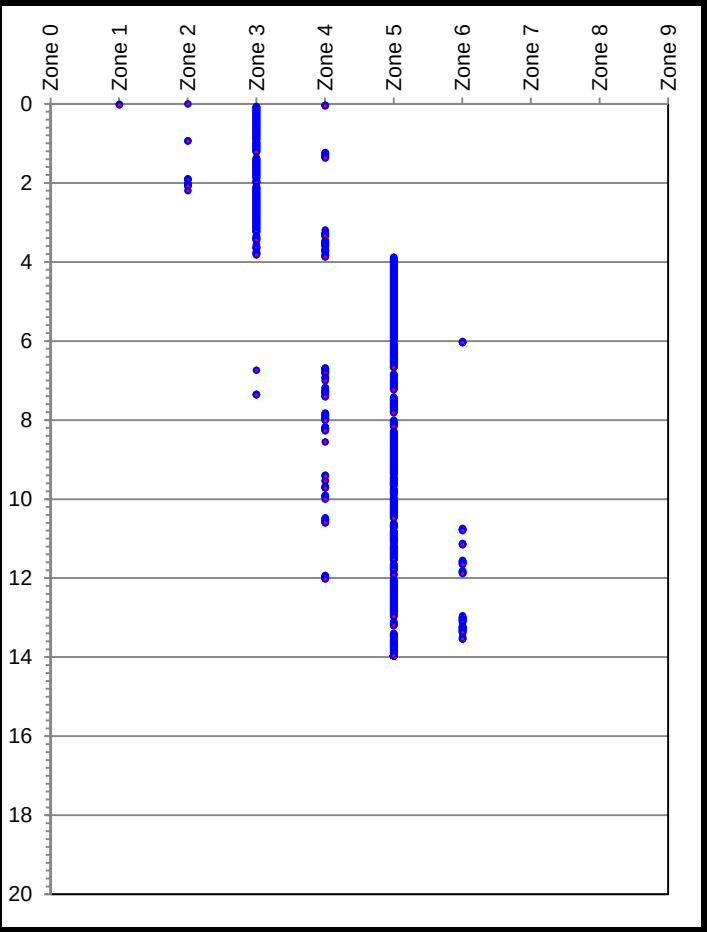


CPT Number			CPT 03		
Existing Ground Level			0.97m OD		
Layer Interval			0.25m		
Selected deformability value αm			3		
Layer	Level at Top	No of Intermediate displacement levels	Young's modulus [kPa]		Poisson's Ratio
			Top	Bottom	
1	0.97m OD	10	2805 kN/m ²	2409 kN/m ²	0.25
2	0.72m OD	10	2409 kN/m ²	2378 kN/m ²	0.25
3	0.47m OD	10	2378 kN/m ²	1939 kN/m ²	0.25
4	0.22m OD	10	1939 kN/m ²	2650 kN/m ²	0.25
5	-0.03m OD	10	2650 kN/m ²	7909 kN/m ²	0.25
6	-0.28m OD	10	7909 kN/m ²	1919 kN/m ²	0.25
7	-0.53m OD	10	1919 kN/m ²	884 kN/m ²	0.25
8	-0.78m OD	10	884 kN/m ²	818 kN/m ²	0.25
9	-1.03m OD	10	818 kN/m ²	1029 kN/m ²	0.25
10	-1.28m OD	10	1029 kN/m ²	2081 kN/m ²	0.25
11	-1.53m OD	10	2081 kN/m ²	2638 kN/m ²	0.25
12	-1.78m OD	10	2638 kN/m ²	5326 kN/m ²	0.25
13	-2.03m OD	10	5326 kN/m ²	9879 kN/m ²	0.25
14	-2.28m OD	10	9879 kN/m ²	7740 kN/m ²	0.25
15	-2.53m OD	10	7740 kN/m ²	17575 kN/m ²	0.25
16	-2.78m OD	10	17575 kN/m ²	29184 kN/m ²	0.25
17	-3.03m OD	10	29184 kN/m ²	34696 kN/m ²	0.25
18	-3.28m OD	10	34696 kN/m ²	43169 kN/m ²	0.25
19	-3.53m OD	10	43169 kN/m ²	31623 kN/m ²	0.25
20	-3.78m OD	10	31623 kN/m ²	28010 kN/m ²	0.25
21	-4.03m OD	10	28010 kN/m ²	27236 kN/m ²	0.25
22	-4.28m OD	10	27236 kN/m ²	27473 kN/m ²	0.25
23	-4.53m OD	10	27473 kN/m ²	25043 kN/m ²	0.25
24	-4.78m OD	10	25043 kN/m ²	38840 kN/m ²	0.25
25	-5.03m OD	10	38840 kN/m ²	40756 kN/m ²	0.25
26	-5.28m OD	10	40756 kN/m ²	31160 kN/m ²	0.25
27	-5.53m OD	10	31160 kN/m ²	19169 kN/m ²	0.25
28	-5.78m OD	10	19169 kN/m ²	38405 kN/m ²	0.25
29	-6.03m OD	10	38405 kN/m ²	26684 kN/m ²	0.25
30	-6.28m OD	10	26684 kN/m ²	39854 kN/m ²	0.25
31	-6.53m OD	10	39854 kN/m ²	17655 kN/m ²	0.25
32	-6.78m OD	10	17655 kN/m ²	20638 kN/m ²	0.25
33	-7.03m OD	10	20638 kN/m ²	21058 kN/m ²	0.25
34	-7.28m OD	10	21058 kN/m ²	22583 kN/m ²	0.25
35	-7.53m OD	10	22583 kN/m ²	23829 kN/m ²	0.25
36	-7.78m OD	10	23829 kN/m ²	30553 kN/m ²	0.25
37	-8.03m OD	10	30553 kN/m ²	29881 kN/m ²	0.25
38	-8.28m OD	10	29881 kN/m ²	23931 kN/m ²	0.25
39	-8.53m OD	10	23931 kN/m ²	27355 kN/m ²	0.25
40	-8.78m OD	10	27355 kN/m ²	24136 kN/m ²	0.25
41	-9.03m OD	10	24136 kN/m ²	30220 kN/m ²	0.25
42	-9.28m OD	10	30220 kN/m ²	37528 kN/m ²	0.25
43	-9.53m OD	10	37528 kN/m ²	47828 kN/m ²	0.25
44	-9.78m OD	10	47828 kN/m ²	33305 kN/m ²	0.25
45	-10.03m OD	10	33305 kN/m ²	49619 kN/m ²	0.25
46	-10.28m OD	10	49619 kN/m ²	63698 kN/m ²	0.25
47	-10.53m OD	10	63698 kN/m ²	37558 kN/m ²	0.25
48	-10.78m OD	10	37558 kN/m ²	44888 kN/m ²	0.25
49	-11.03m OD	10	44888 kN/m ²	48611 kN/m ²	0.25
50	-11.28m OD	10	48611 kN/m ²	56854 kN/m ²	0.25
51	-11.53m OD	10	56854 kN/m ²	51896 kN/m ²	0.25
52	-11.78m OD	10	51896 kN/m ²	59128 kN/m ²	0.25
53	-12.03m OD	10	59128 kN/m ²	77584 kN/m ²	0.25
54	-12.28m OD	10	77584 kN/m ²	71764 kN/m ²	0.25
55	-12.53m OD	10	71764 kN/m ²	72824 kN/m ²	0.25
56	-12.78m OD	10	72824 kN/m ²		
57	-13.03m OD	10			
58	-13.28m OD	10			
59	-13.53m OD	10			
60	-13.78m OD	10			
61	-14.03m OD	10			
62	-14.28m OD	10			
63	-14.53m OD	10			
64	-14.78m OD	10			

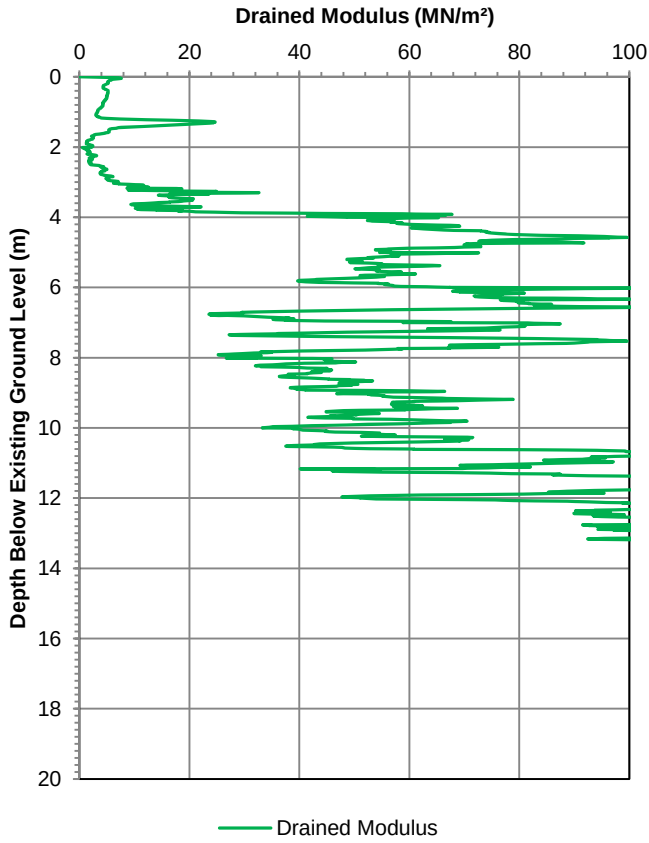


Robertson et al 1986, updated by Robertson 2010.

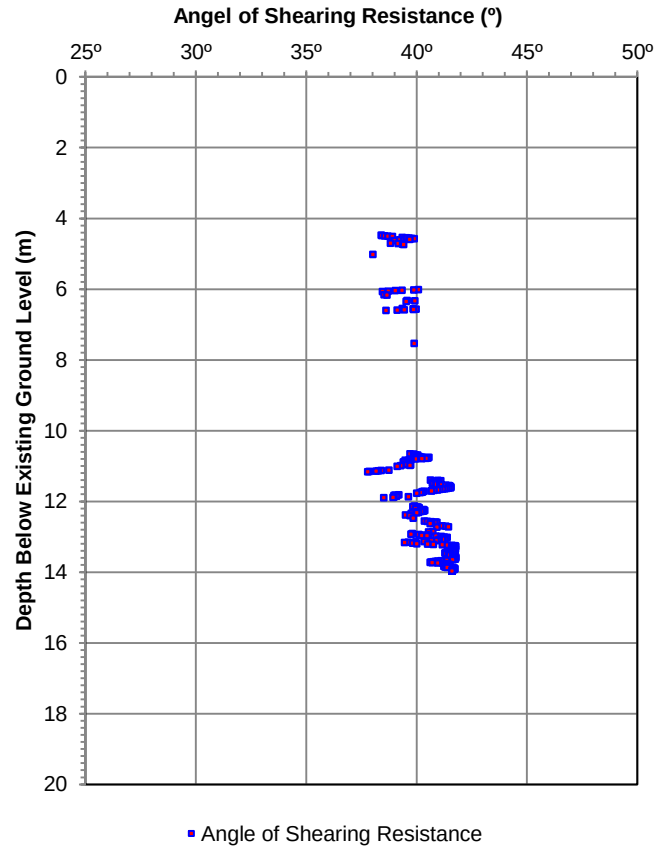
Zone	Soil Behavior Type
Zone 1	Sensitive Fine Grained
Zone 2	Organic Soils - Clays
Zone 3	Clays - silty clay to clay
Zone 4	Silt mixtures - clayey silt to silty clay
Zone 5	Sand mixtures - silty sand to sandy silt
Zone 6	Sands - clean sand to silty sand
Zone 7	gravelly sand to dense sand
Zone 8	very stiff sand to clayey sand
Zone 9	very stiff, fine grained



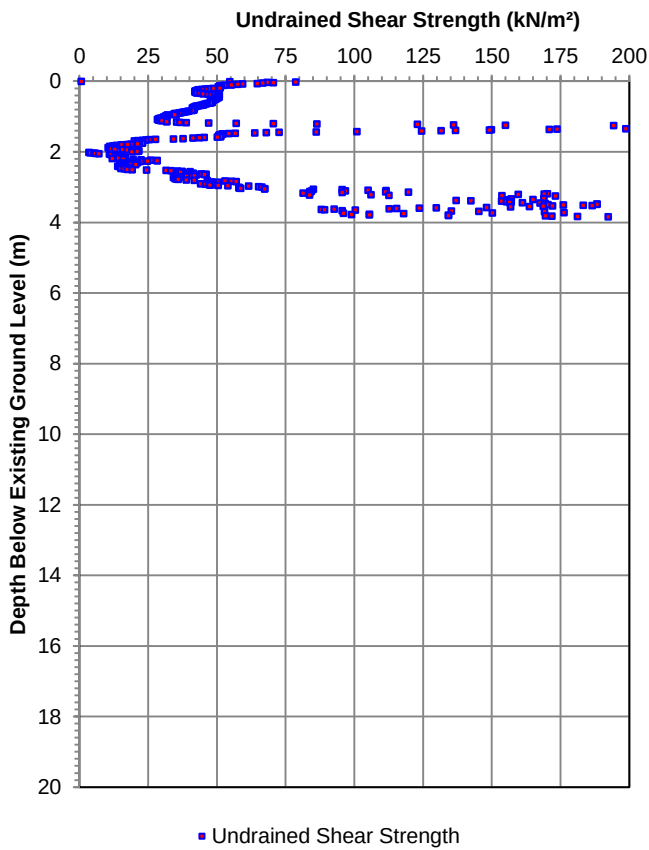
Drained Modulus (E'd)



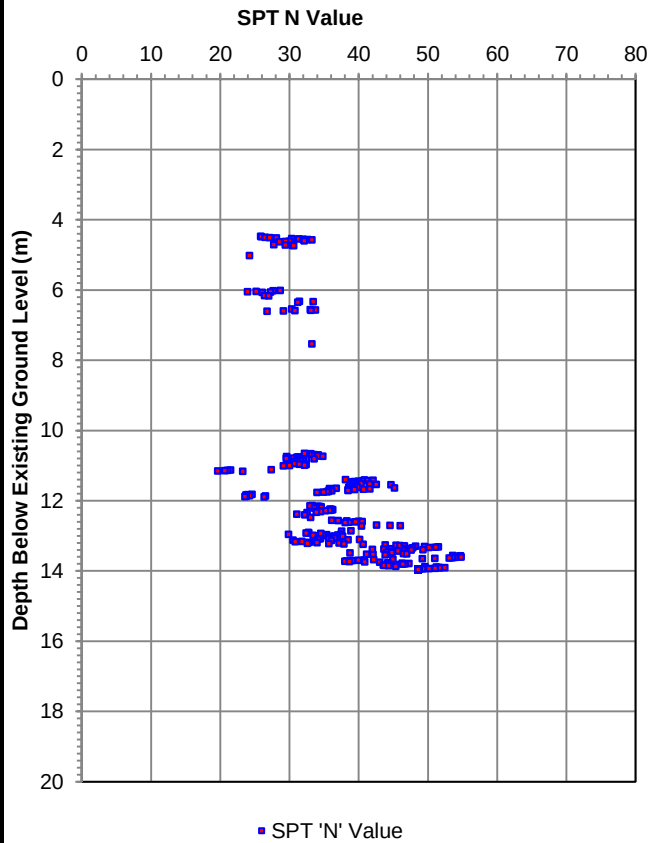
Effective Angle of Shearing Resistance



Undrained Shear Strength

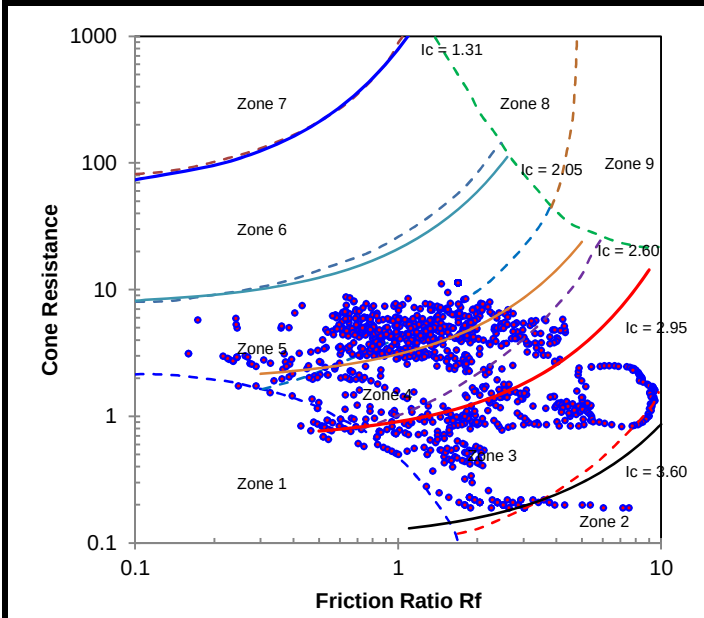
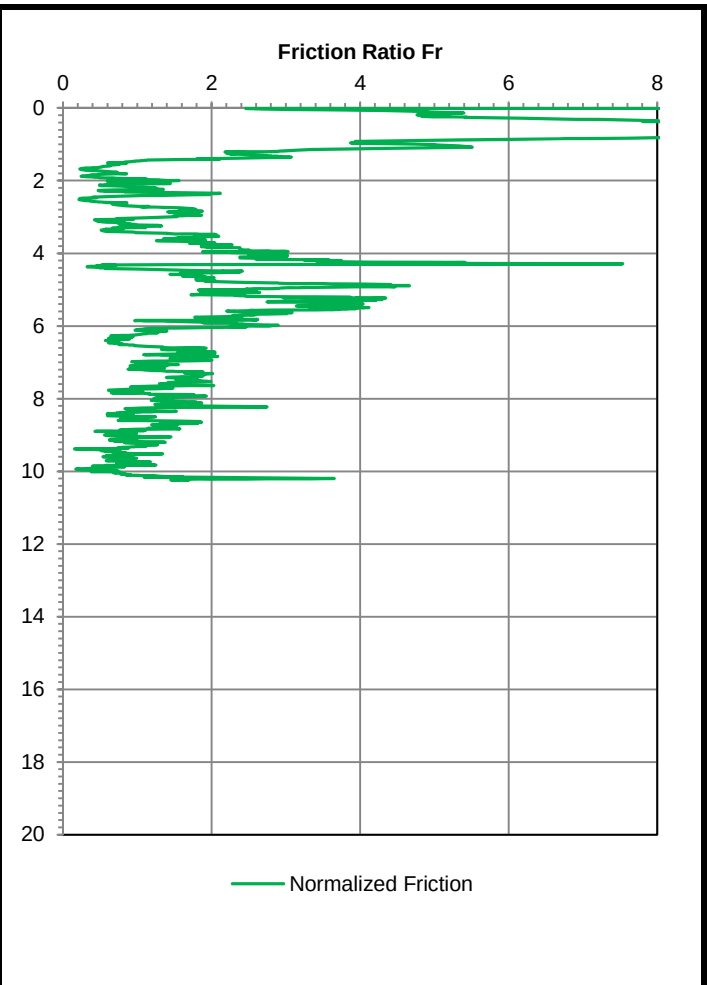
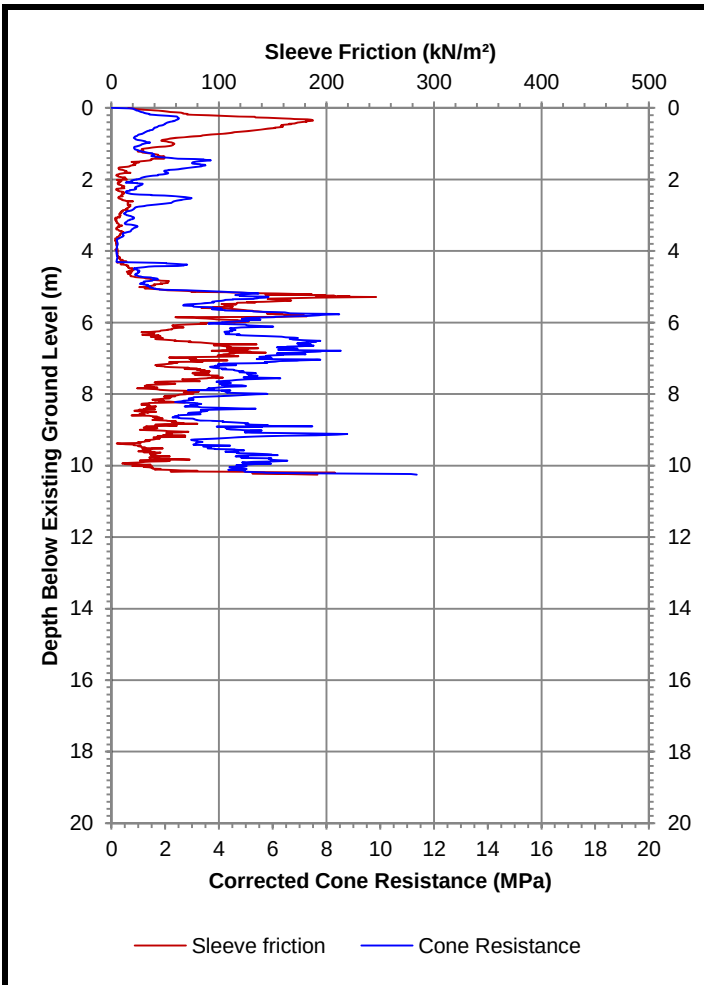


SPT 'N' Value



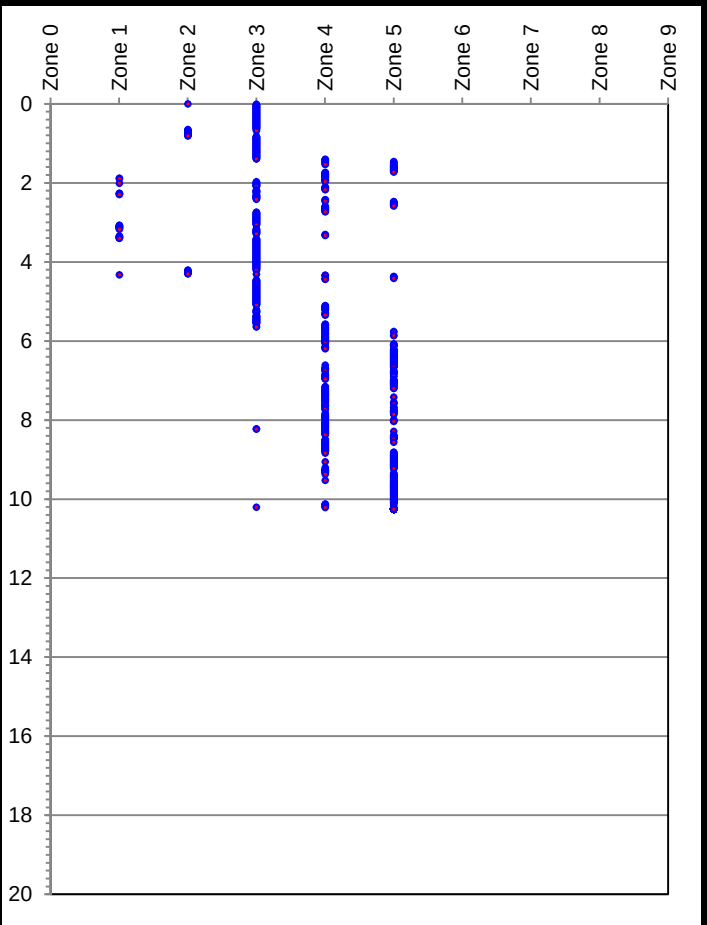


CPT Number			CPT 04		
Existing Ground Level			1.06m OD		
Layer Interval			0.25m		
Selected deformability value αm			3		
Layer	Level at Top	No of Intermediate displacement levels	Young's modulus [kPa]		Poisson's Ratio
			Top	Bottom	
1	1.06m OD	10	3910 kN/m ²	6701 kN/m ²	0.25
2	0.81m OD	10	6701 kN/m ²	4268 kN/m ²	0.25
3	0.56m OD	10	4268 kN/m ²	3145 kN/m ²	0.25
4	0.31m OD	10	3145 kN/m ²	3000 kN/m ²	0.25
5	0.06m OD	10	3000 kN/m ²	6708 kN/m ²	0.25
6	-0.19m OD	10	6708 kN/m ²	8954 kN/m ²	0.25
7	-0.44m OD	10	8954 kN/m ²	4886 kN/m ²	0.25
8	-0.69m OD	10	4886 kN/m ²	2682 kN/m ²	0.25
9	-0.94m OD	10	2682 kN/m ²	3353 kN/m ²	0.25
10	-1.19m OD	10	3353 kN/m ²	6709 kN/m ²	0.25
11	-1.44m OD	10	6709 kN/m ²	2063 kN/m ²	0.25
12	-1.69m OD	10	2063 kN/m ²	2006 kN/m ²	0.25
13	-1.94m OD	10	2006 kN/m ²	2353 kN/m ²	0.25
14	-2.19m OD	10	2353 kN/m ²	980 kN/m ²	0.25
15	-2.44m OD	10	980 kN/m ²	629 kN/m ²	0.25
16	-2.69m OD	10	629 kN/m ²	619 kN/m ²	0.25
17	-2.94m OD	10	619 kN/m ²	4274 kN/m ²	0.25
18	-3.19m OD	10	4274 kN/m ²	3015 kN/m ²	0.25
19	-3.44m OD	10	3015 kN/m ²	4116 kN/m ²	0.25
20	-3.69m OD	10	4116 kN/m ²	10283 kN/m ²	0.25
21	-3.94m OD	10	10283 kN/m ²	13236 kN/m ²	0.25
22	-4.19m OD	10	13236 kN/m ²	12928 kN/m ²	0.25
23	-4.44m OD	10	12928 kN/m ²	17876 kN/m ²	0.25
24	-4.69m OD	10	17876 kN/m ²	14131 kN/m ²	0.25
25	-4.94m OD	10	14131 kN/m ²	16675 kN/m ²	0.25
26	-5.19m OD	10	16675 kN/m ²	21051 kN/m ²	0.25
27	-5.44m OD	10	21051 kN/m ²	19834 kN/m ²	0.25
28	-5.69m OD	10	19834 kN/m ²	16156 kN/m ²	0.25
29	-5.94m OD	10	16156 kN/m ²	14240 kN/m ²	0.25
30	-6.19m OD	10	14240 kN/m ²	14098 kN/m ²	0.25
31	-6.44m OD	10	14098 kN/m ²	12771 kN/m ²	0.25
32	-6.69m OD	10	12771 kN/m ²	10008 kN/m ²	0.25
33	-6.94m OD	10	10008 kN/m ²	10773 kN/m ²	0.25
34	-7.19m OD	10	10773 kN/m ²	8471 kN/m ²	0.25
35	-7.44m OD	10	8471 kN/m ²	14633 kN/m ²	0.25
36	-7.69m OD	10	14633 kN/m ²	17748 kN/m ²	0.25
37	-7.94m OD	10	17748 kN/m ²	10090 kN/m ²	0.25
38	-8.19m OD	10	10090 kN/m ²	14334 kN/m ²	0.25
39	-8.44m OD	10	14334 kN/m ²	16613 kN/m ²	0.25
40	-8.69m OD	10	16613 kN/m ²	16555 kN/m ²	0.25
41	-8.94m OD	10	16555 kN/m ²		
42	-9.19m OD	10			
43	-9.44m OD	10			
44	-9.69m OD	10			
45	-9.94m OD	10			
46	-10.19m OD	10			
47	-10.44m OD	10			
48	-10.69m OD	10			
49	-10.94m OD	10			
50	-11.19m OD	10			
51	-11.44m OD	10			
52	-11.69m OD	10			
53	-11.94m OD	10			
54	-12.19m OD	10			
55	-12.44m OD	10			
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57	-12.94m OD	10			
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59	-13.44m OD	10			
60	-13.69m OD	10			
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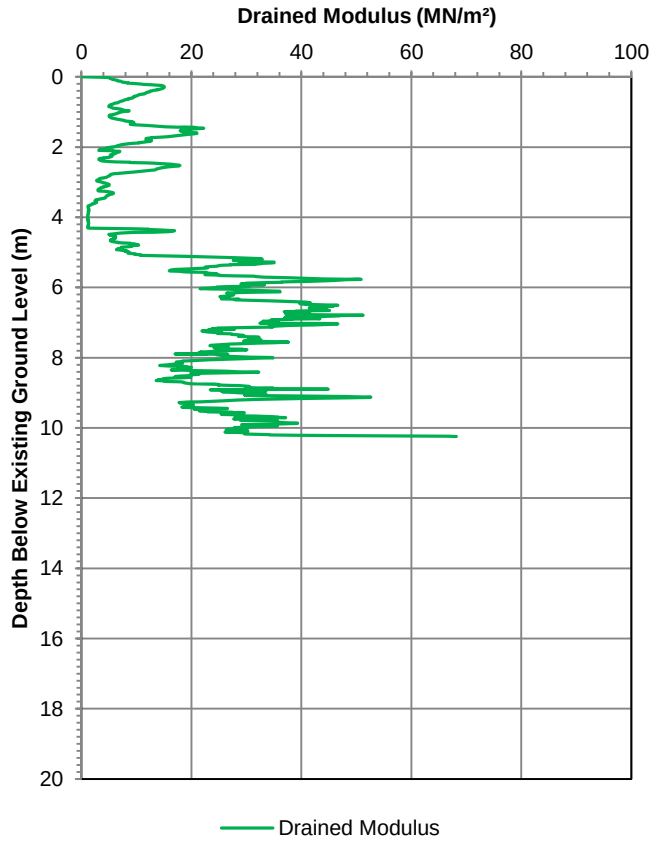


Robertson et al 1986, updated by Robertson 2010.

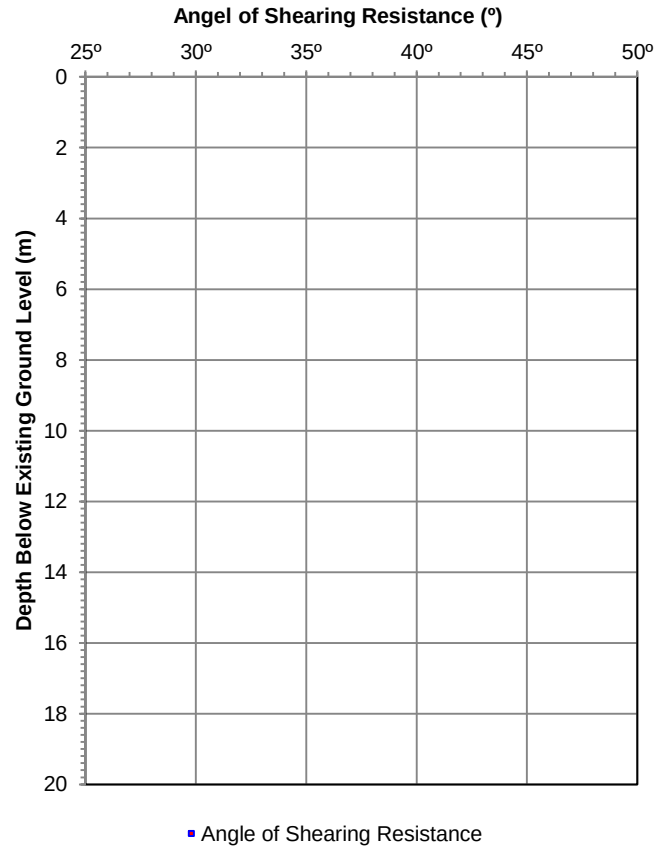
Zone	Soil Behavior Type
Zone 1	Sensitive Fine Grained
Zone 2	Organic Soils - Clays
Zone 3	Clays - silty clay to clay
Zone 4	Silt mixtures - clayey silt to silty clay
Zone 5	Sand mixtures - silty sand to sandy silt
Zone 6	Sands - clean sand to silty sand
Zone 7	gravelly sand to dense sand
Zone 8	very stiff sand to clayey sand
Zone 9	very stiff, fine grained



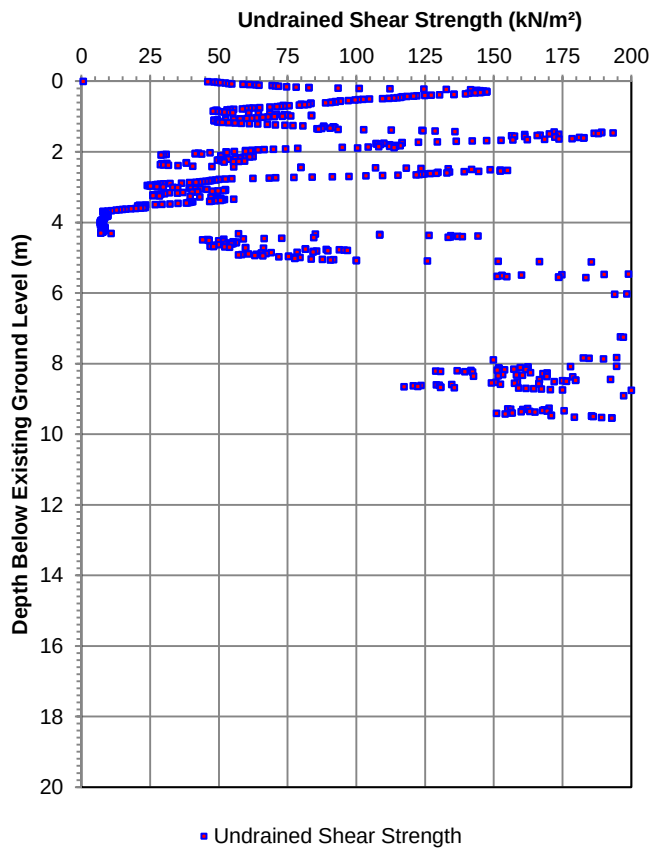
Drained Modulus (E'd)



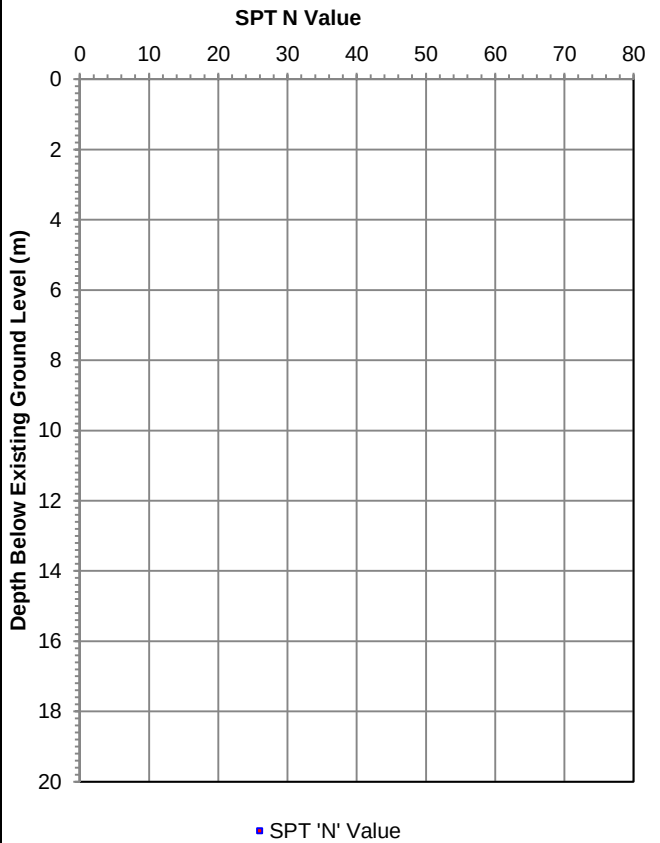
Effective Angle of Shearing Resistance



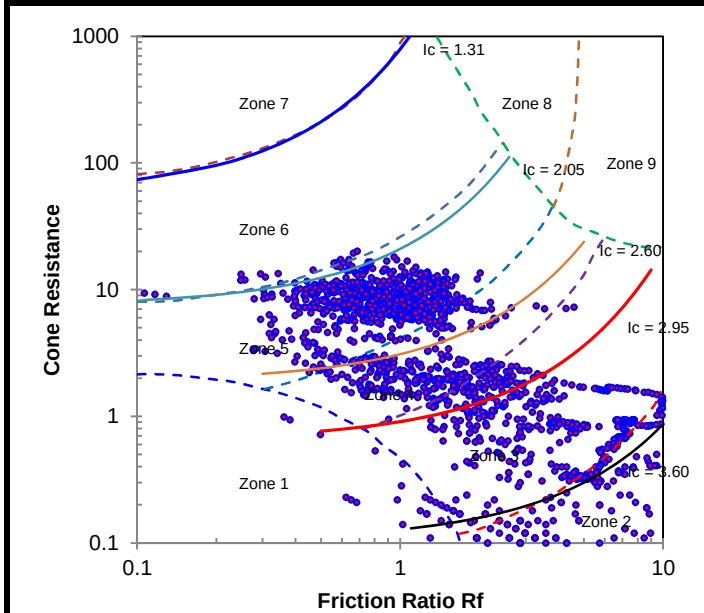
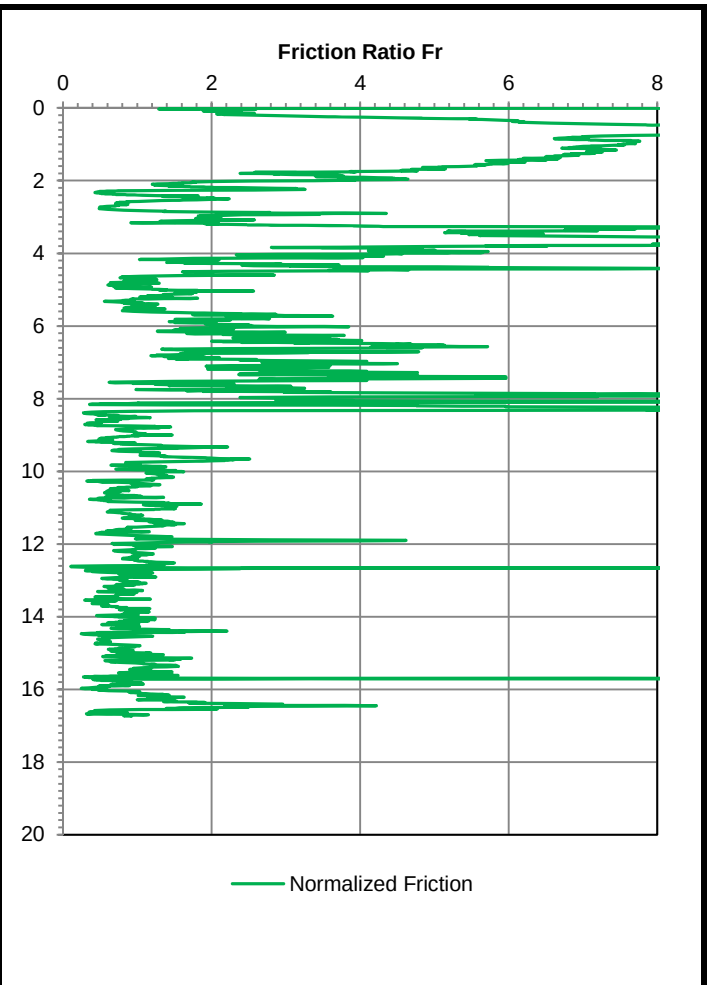
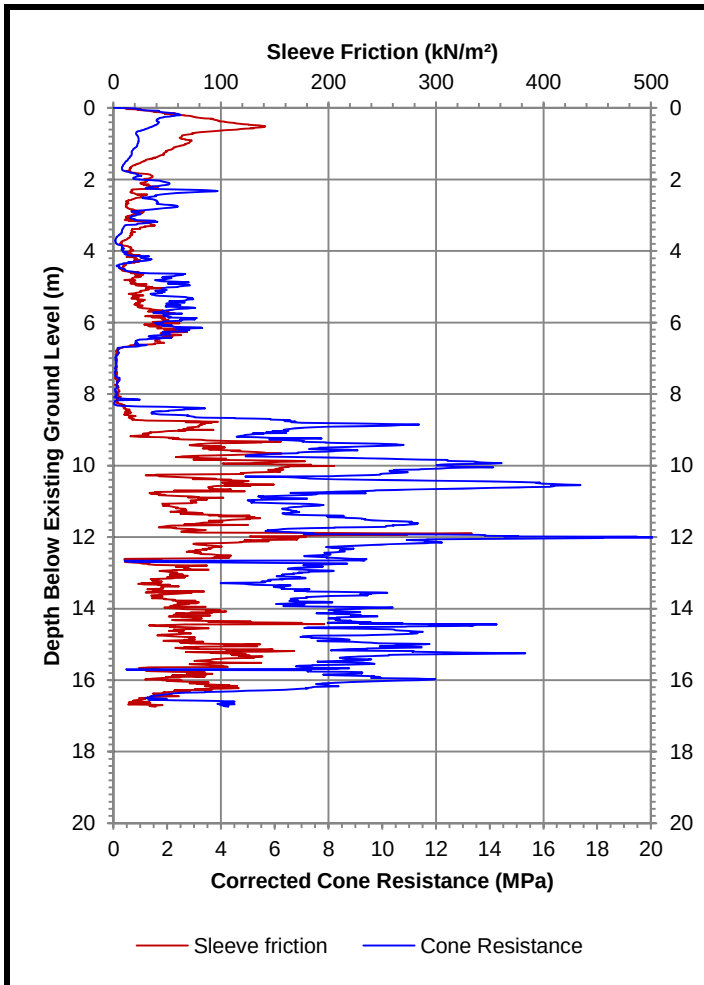
Undrained Shear Strength



SPT 'N' Value

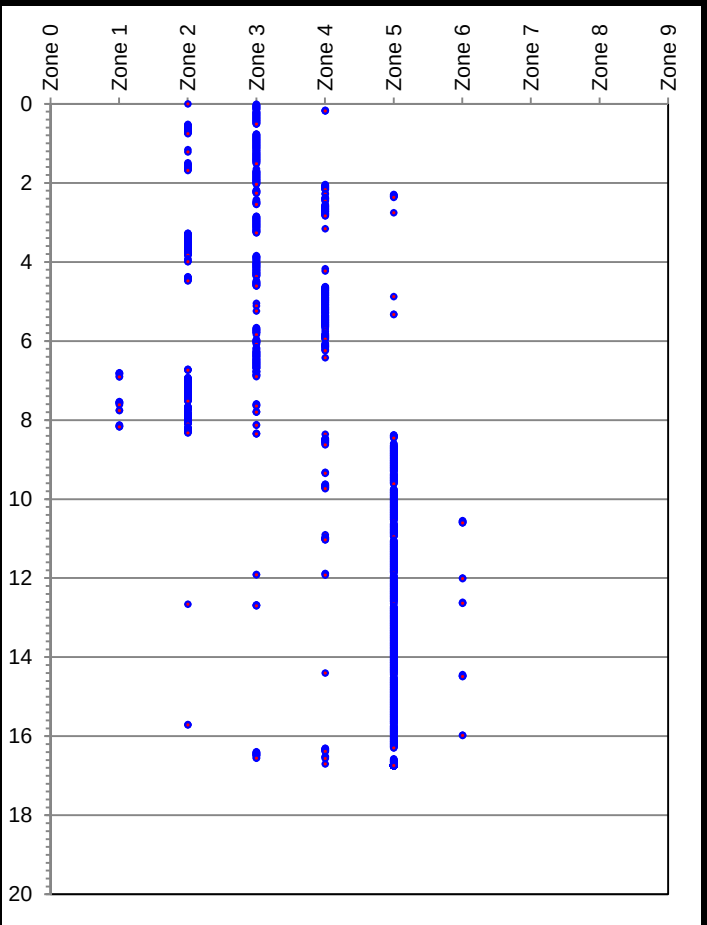


CPT Number			CPT 05		
Existing Ground Level			1.21m OD		
Layer Interval			0.25m		
Selected deformability value αm			3		
Layer	Level at Top	No of Intermediate displacement levels	Young's modulus [kPa]		Poisson's Ratio
			Top	Bottom	
1	1.21m OD	10	5383 kN/m ²	4960 kN/m ²	0.25
2	0.96m OD	10	4960 kN/m ²	3256 kN/m ²	0.25
3	0.71m OD	10	3256 kN/m ²	2775 kN/m ²	0.25
4	0.46m OD	10	2775 kN/m ²	2370 kN/m ²	0.25
5	0.21m OD	10	2370 kN/m ²	1811 kN/m ²	0.25
6	-0.04m OD	10	1811 kN/m ²	1081 kN/m ²	0.25
7	-0.29m OD	10	1081 kN/m ²	2303 kN/m ²	0.25
8	-0.54m OD	10	2303 kN/m ²	5194 kN/m ²	0.25
9	-0.79m OD	10	5194 kN/m ²	7008 kN/m ²	0.25
10	-1.04m OD	10	7008 kN/m ²	4915 kN/m ²	0.25
11	-1.29m OD	10	4915 kN/m ²	3910 kN/m ²	0.25
12	-1.54m OD	10	3910 kN/m ²	2920 kN/m ²	0.25
13	-1.79m OD	10	2920 kN/m ²	1133 kN/m ²	0.25
14	-2.04m OD	10	1133 kN/m ²	410 kN/m ²	0.25
15	-2.29m OD	10	410 kN/m ²	786 kN/m ²	0.25
16	-2.54m OD	10	786 kN/m ²	2401 kN/m ²	0.25
17	-2.79m OD	10	2401 kN/m ²	1330 kN/m ²	0.25
18	-3.04m OD	10	1330 kN/m ²	4421 kN/m ²	0.25
19	-3.29m OD	10	4421 kN/m ²	6682 kN/m ²	0.25
20	-3.54m OD	10	6682 kN/m ²	5229 kN/m ²	0.25
21	-3.79m OD	10	5229 kN/m ²	7471 kN/m ²	0.25
22	-4.04m OD	10	7471 kN/m ²	6540 kN/m ²	0.25
23	-4.29m OD	10	6540 kN/m ²	6826 kN/m ²	0.25
24	-4.54m OD	10	6826 kN/m ²	6861 kN/m ²	0.25
25	-4.79m OD	10	6861 kN/m ²	4985 kN/m ²	0.25
26	-5.04m OD	10	4985 kN/m ²	2145 kN/m ²	0.25
27	-5.29m OD	10	2145 kN/m ²	436 kN/m ²	0.25
28	-5.54m OD	10	436 kN/m ²	283 kN/m ²	0.25
29	-5.79m OD	10	283 kN/m ²	219 kN/m ²	0.25
30	-6.04m OD	10	219 kN/m ²	508 kN/m ²	0.25
31	-6.29m OD	10	508 kN/m ²	331 kN/m ²	0.25
32	-6.54m OD	10	331 kN/m ²	654 kN/m ²	0.25
33	-6.79m OD	10	654 kN/m ²	4803 kN/m ²	0.25
34	-7.04m OD	10	4803 kN/m ²	10215 kN/m ²	0.25
35	-7.29m OD	10	10215 kN/m ²	24525 kN/m ²	0.25
36	-7.54m OD	10	24525 kN/m ²	17014 kN/m ²	0.25
37	-7.79m OD	10	17014 kN/m ²	25099 kN/m ²	0.25
38	-8.04m OD	10	25099 kN/m ²	20645 kN/m ²	0.25
39	-8.29m OD	10	20645 kN/m ²	35378 kN/m ²	0.25
40	-8.54m OD	10	35378 kN/m ²	34256 kN/m ²	0.25
41	-8.79m OD	10	34256 kN/m ²	30390 kN/m ²	0.25
42	-9.04m OD	10	30390 kN/m ²	40298 kN/m ²	0.25
43	-9.29m OD	10	40298 kN/m ²	19206 kN/m ²	0.25
44	-9.54m OD	10	19206 kN/m ²	19786 kN/m ²	0.25
45	-9.79m OD	10	19786 kN/m ²	22470 kN/m ²	0.25
46	-10.04m OD	10	22470 kN/m ²	30989 kN/m ²	0.25
47	-10.29m OD	10	30989 kN/m ²	26611 kN/m ²	0.25
48	-10.54m OD	10	26611 kN/m ²	36793 kN/m ²	0.25
49	-10.79m OD	10	36793 kN/m ²	24983 kN/m ²	0.25
50	-11.04m OD	10	24983 kN/m ²	19207 kN/m ²	0.25
51	-11.29m OD	10	19207 kN/m ²	22030 kN/m ²	0.25
52	-11.54m OD	10	22030 kN/m ²	19100 kN/m ²	0.25
53	-11.79m OD	10	19100 kN/m ²	17798 kN/m ²	0.25
54	-12.04m OD	10	17798 kN/m ²	24720 kN/m ²	0.25
55	-12.29m OD	10	24720 kN/m ²	22316 kN/m ²	0.25
56	-12.54m OD	10	22316 kN/m ²	25858 kN/m ²	0.25
57	-12.79m OD	10	25858 kN/m ²	29785 kN/m ²	0.25
58	-13.04m OD	10	29785 kN/m ²	30349 kN/m ²	0.25
59	-13.29m OD	10	30349 kN/m ²	25326 kN/m ²	0.25
60	-13.54m OD	10	25326 kN/m ²	31559 kN/m ²	0.25
61	-13.79m OD	10	31559 kN/m ²	28496 kN/m ²	0.25
62	-14.04m OD	10	28496 kN/m ²	22335 kN/m ²	0.25
63	-14.29m OD	10	22335 kN/m ²	28389 kN/m ²	0.25
64	-14.54m OD	10	28389 kN/m ²		

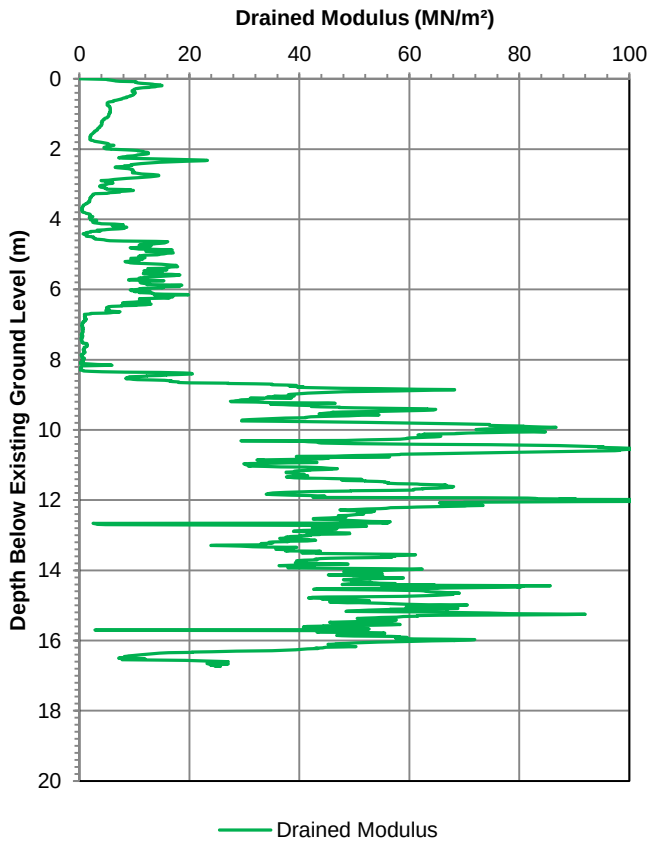


Robertson et al 1986, updated by Robertson 2010.

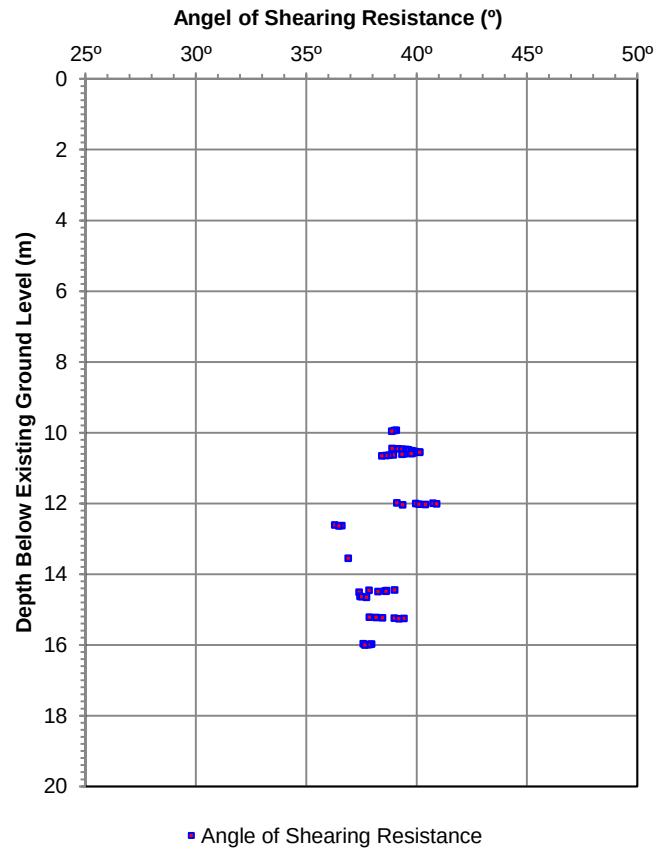
Zone	Soil Behavior Type
Zone 1	Sensitive Fine Grained
Zone 2	Organic Soils - Clays
Zone 3	Clays - silty clay to clay
Zone 4	Silt mixtures - clayey silt to silty clay
Zone 5	Sand mixtures - silty sand to sandy silt
Zone 6	Sands - clean sand to silty sand
Zone 7	gravelly sand to dense sand
Zone 8	very stiff sand to clayey sand
Zone 9	very stiff, fine grained



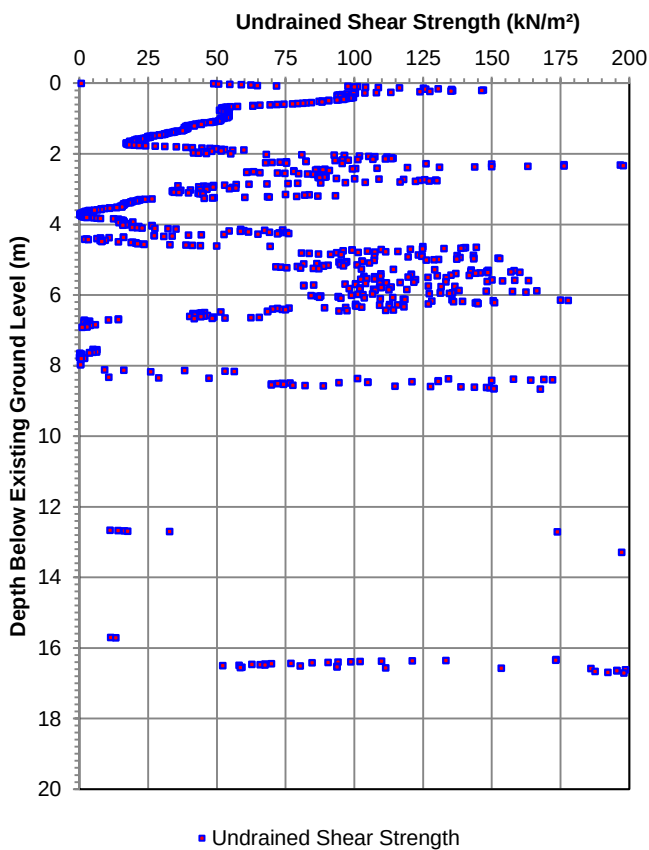
Drained Modulus (E'd)



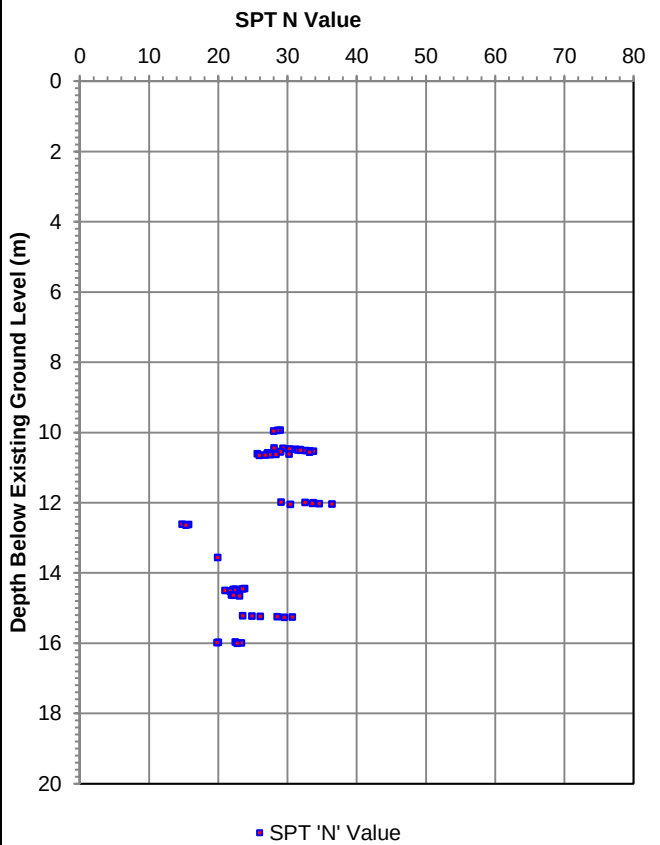
Effective Angle of Shearing Resistance



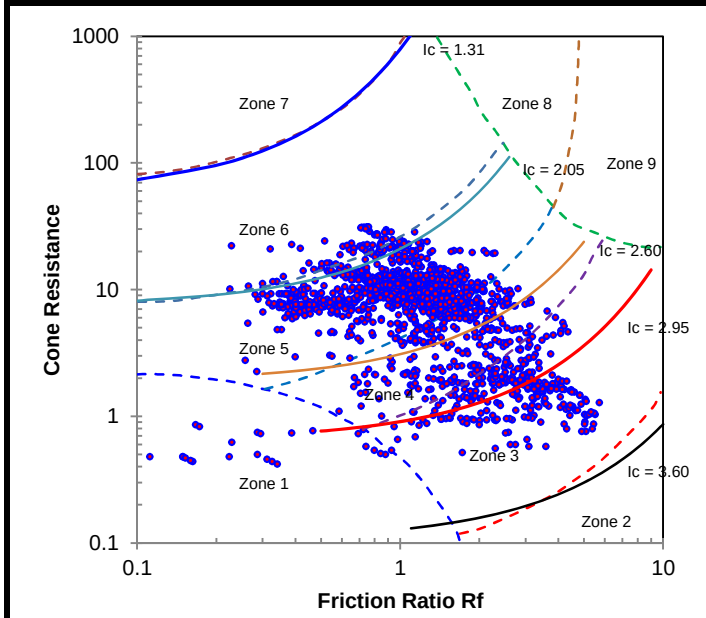
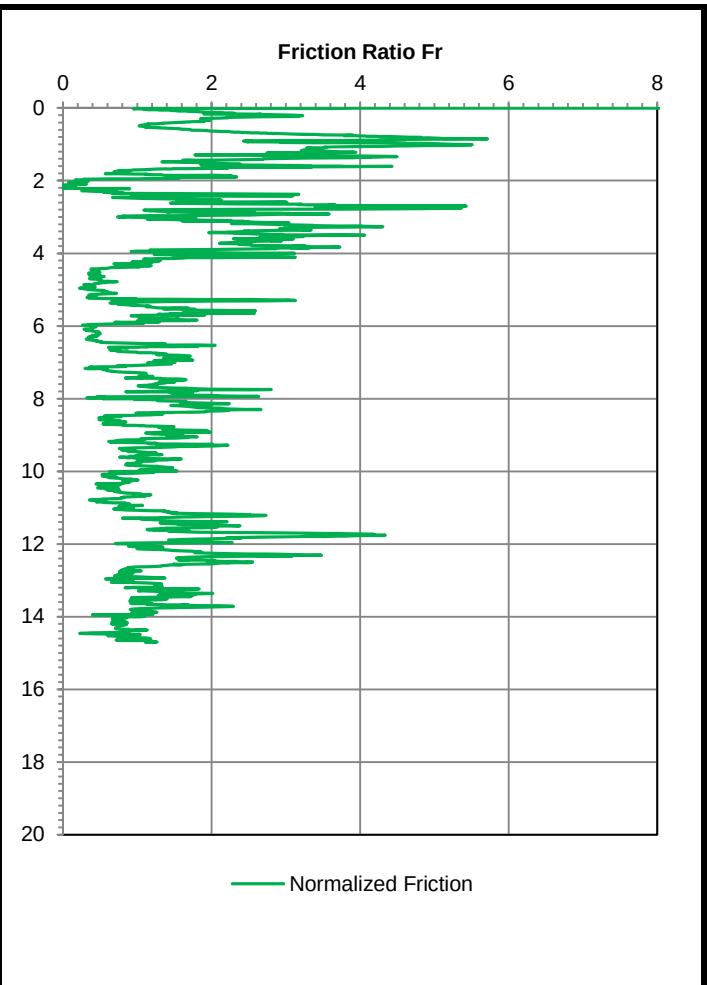
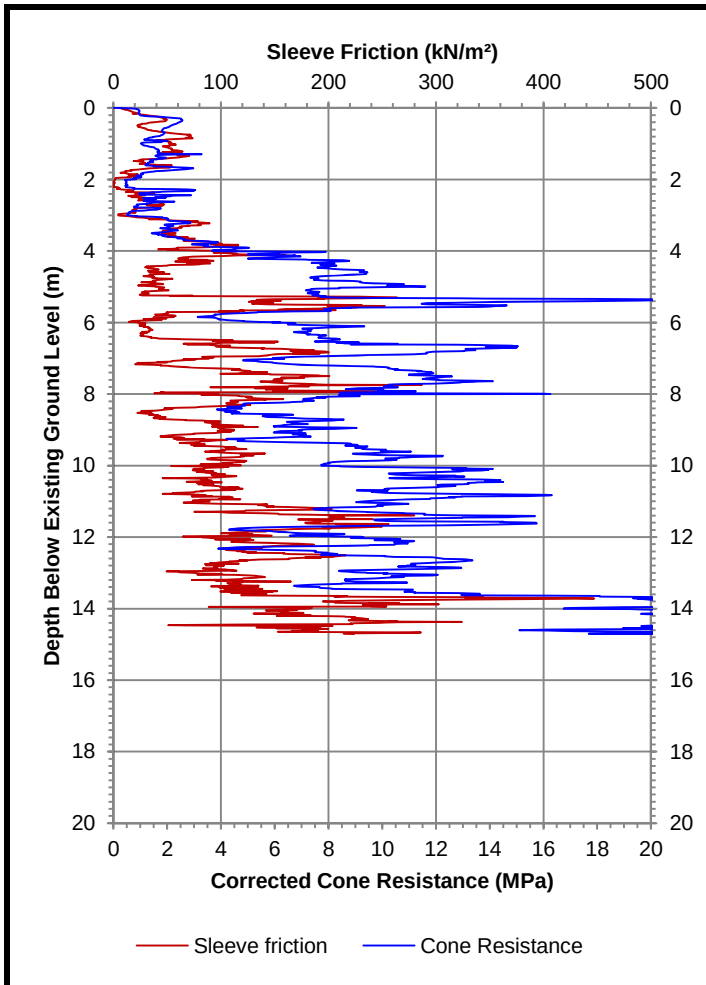
Undrained Shear Strength



SPT 'N' Value

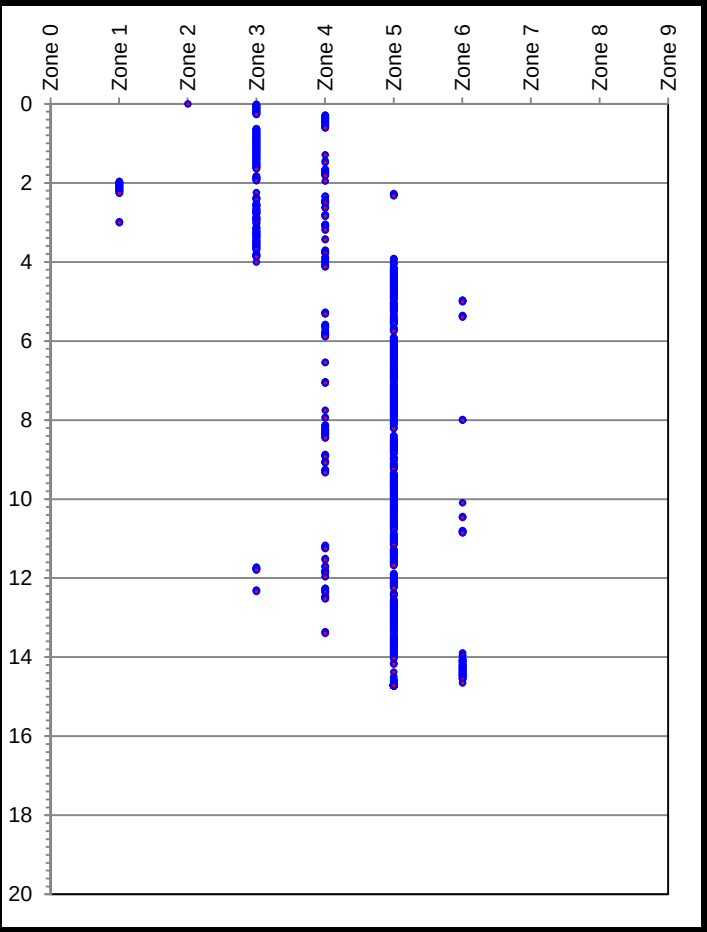


CPT Number			CPT 06		
Existing Ground Level			1.49m OD		
Layer Interval			0.25m		
Selected deformability value αm			3		
Layer	Level at Top	No of Intermediate displacement levels	Young's modulus [kPa]		Poisson's Ratio
			Top	Bottom	
1	1.49m OD	10	2915 kN/m ²	7156 kN/m ²	0.25
2	1.24m OD	10	7156 kN/m ²	5689 kN/m ²	0.25
3	0.99m OD	10	5689 kN/m ²	4391 kN/m ²	0.25
4	0.74m OD	10	4391 kN/m ²	4376 kN/m ²	0.25
5	0.49m OD	10	4376 kN/m ²	5213 kN/m ²	0.25
6	0.24m OD	10	5213 kN/m ²	5604 kN/m ²	0.25
7	-0.01m OD	10	5604 kN/m ²	3236 kN/m ²	0.25
8	-0.26m OD	10	3236 kN/m ²	1478 kN/m ²	0.25
9	-0.51m OD	10	1478 kN/m ²	5777 kN/m ²	0.25
10	-0.76m OD	10	5777 kN/m ²	4153 kN/m ²	0.25
11	-1.01m OD	10	4153 kN/m ²	2906 kN/m ²	0.25
12	-1.26m OD	10	2906 kN/m ²	6131 kN/m ²	0.25
13	-1.51m OD	10	6131 kN/m ²	6119 kN/m ²	0.25
14	-1.76m OD	10	6119 kN/m ²	7063 kN/m ²	0.25
15	-2.01m OD	10	7063 kN/m ²	11569 kN/m ²	0.25
16	-2.26m OD	10	11569 kN/m ²	18228 kN/m ²	0.25
17	-2.51m OD	10	18228 kN/m ²	24023 kN/m ²	0.25
18	-2.76m OD	10	24023 kN/m ²	26256 kN/m ²	0.25
19	-3.01m OD	10	26256 kN/m ²	27775 kN/m ²	0.25
20	-3.26m OD	10	27775 kN/m ²	23044 kN/m ²	0.25
21	-3.51m OD	10	23044 kN/m ²	41051 kN/m ²	0.25
22	-3.76m OD	10	41051 kN/m ²	27378 kN/m ²	0.25
23	-4.01m OD	10	27378 kN/m ²	12221 kN/m ²	0.25
24	-4.26m OD	10	12221 kN/m ²	22579 kN/m ²	0.25
25	-4.51m OD	10	22579 kN/m ²	22831 kN/m ²	0.25
26	-4.76m OD	10	22831 kN/m ²	34835 kN/m ²	0.25
27	-5.01m OD	10	34835 kN/m ²	31180 kN/m ²	0.25
28	-5.26m OD	10	31180 kN/m ²	19495 kN/m ²	0.25
29	-5.51m OD	10	19495 kN/m ²	33354 kN/m ²	0.25
30	-5.76m OD	10	33354 kN/m ²	36638 kN/m ²	0.25
31	-6.01m OD	10	36638 kN/m ²	30780 kN/m ²	0.25
32	-6.26m OD	10	30780 kN/m ²	22808 kN/m ²	0.25
33	-6.51m OD	10	22808 kN/m ²	13538 kN/m ²	0.25
34	-6.76m OD	10	13538 kN/m ²	19056 kN/m ²	0.25
35	-7.01m OD	10	19056 kN/m ²	21030 kN/m ²	0.25
36	-7.26m OD	10	21030 kN/m ²	19641 kN/m ²	0.25
37	-7.51m OD	10	19641 kN/m ²	21786 kN/m ²	0.25
38	-7.76m OD	10	21786 kN/m ²	30039 kN/m ²	0.25
39	-8.01m OD	10	30039 kN/m ²	27643 kN/m ²	0.25
40	-8.26m OD	10	27643 kN/m ²	34924 kN/m ²	0.25
41	-8.51m OD	10	34924 kN/m ²	38151 kN/m ²	0.25
42	-8.76m OD	10	38151 kN/m ²	33391 kN/m ²	0.25
43	-9.01m OD	10	33391 kN/m ²	37453 kN/m ²	0.25
44	-9.26m OD	10	37453 kN/m ²	27615 kN/m ²	0.25
45	-9.51m OD	10	27615 kN/m ²	35095 kN/m ²	0.25
46	-9.76m OD	10	35095 kN/m ²	34251 kN/m ²	0.25
47	-10.01m OD	10	34251 kN/m ²	19451 kN/m ²	0.25
48	-10.26m OD	10	19451 kN/m ²	30549 kN/m ²	0.25
49	-10.51m OD	10	30549 kN/m ²	19334 kN/m ²	0.25
50	-10.76m OD	10	19334 kN/m ²	35583 kN/m ²	0.25
51	-11.01m OD	10	35583 kN/m ²	31860 kN/m ²	0.25
52	-11.26m OD	10	31860 kN/m ²	30150 kN/m ²	0.25
53	-11.51m OD	10	30150 kN/m ²	25799 kN/m ²	0.25
54	-11.76m OD	10	25799 kN/m ²	46255 kN/m ²	0.25
55	-12.01m OD	10	46255 kN/m ²	64676 kN/m ²	0.25
56	-12.26m OD	10	64676 kN/m ²	65813 kN/m ²	0.25
57	-12.51m OD	10	65813 kN/m ²	82624 kN/m ²	0.25
58	-12.76m OD	10	82624 kN/m ²	60181 kN/m ²	0.25
59	-13.01m OD	10	60181 kN/m ²		
60	-13.26m OD	10			
61	-13.51m OD	10			
62	-13.76m OD	10			
63	-14.01m OD	10			
64	-14.26m OD	10			

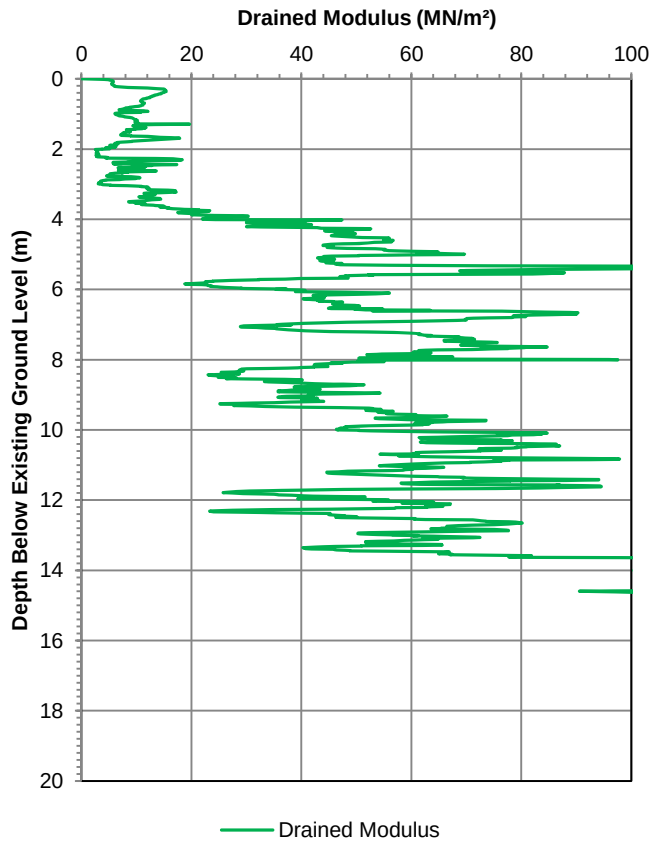


Robertson et al 1986, updated by Robertson 2010.

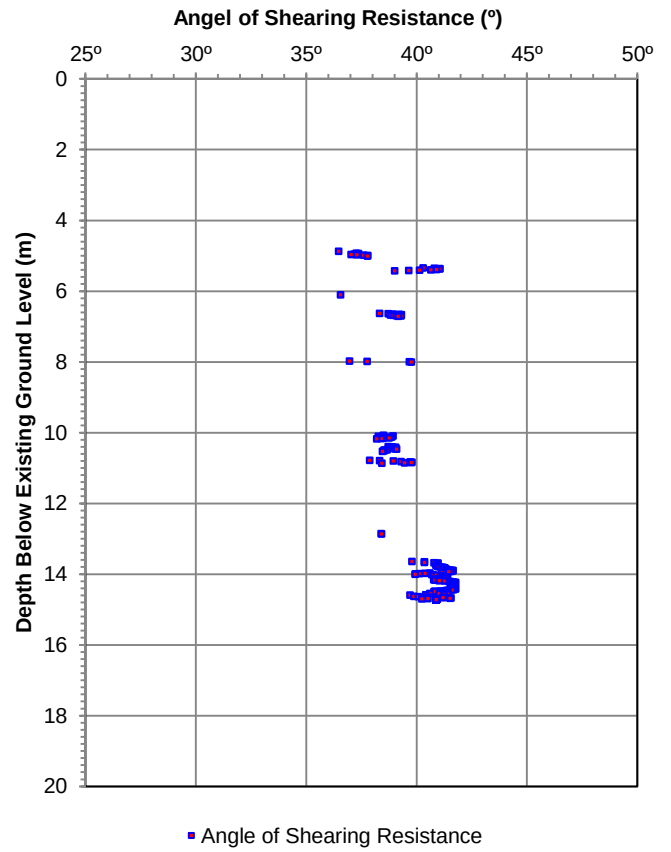
Zone	Soil Behavior Type
Zone 1	Sensitive Fine Grained
Zone 2	Organic Soils - Clays
Zone 3	Clays - silty clay to clay
Zone 4	Silt mixtures - clayey silt to silty clay
Zone 5	Sand mixtures - silty sand to sandy silt
Zone 6	Sands - clean sand to silty sand
Zone 7	gravelly sand to dense sand
Zone 8	very stiff sand to clayey sand
Zone 9	very stiff, fine grained



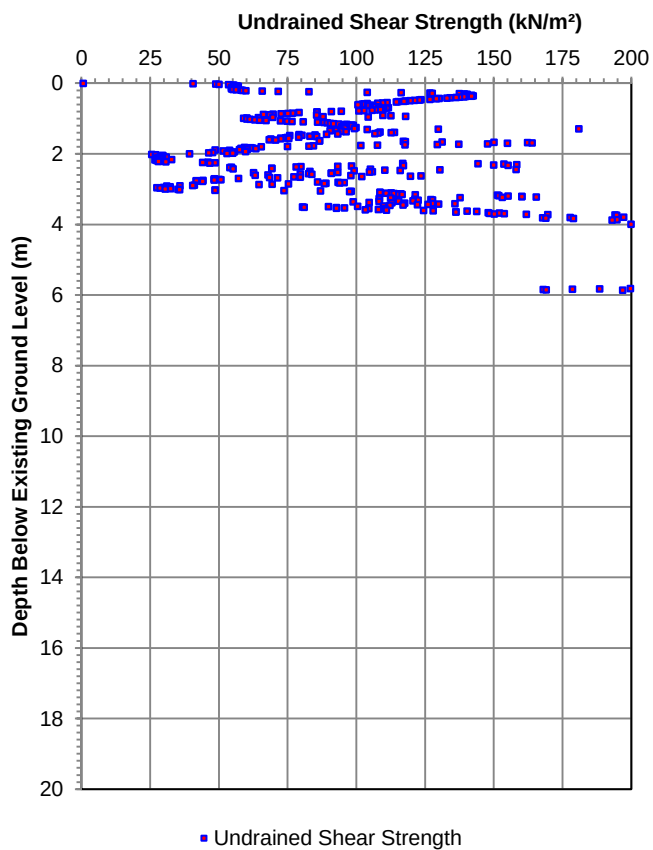
Drained Modulus (E'd)



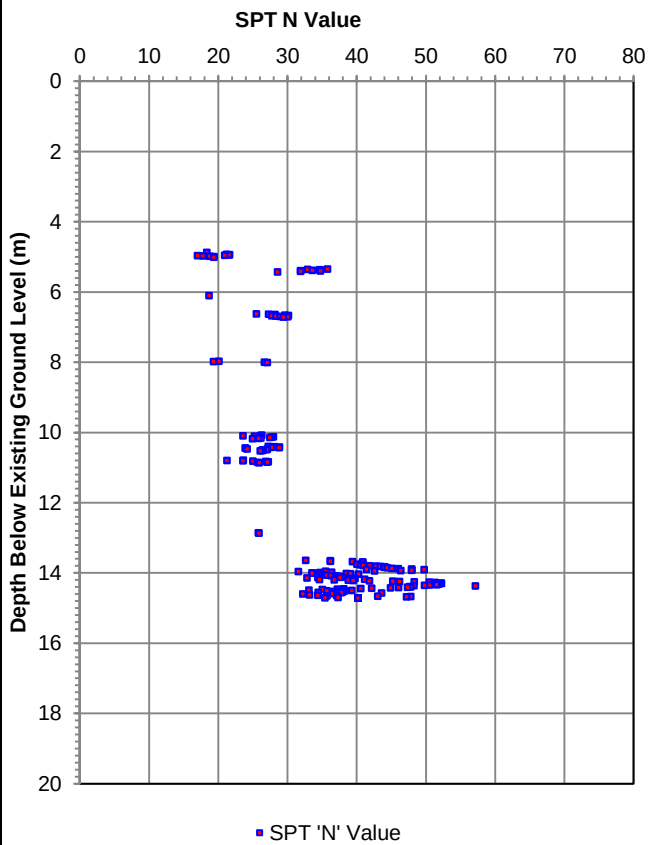
Effective Angle of Shearing Resistance



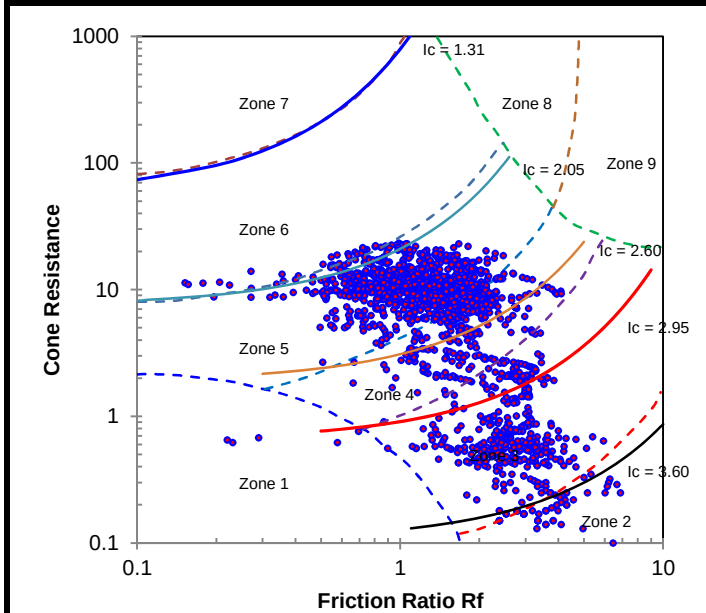
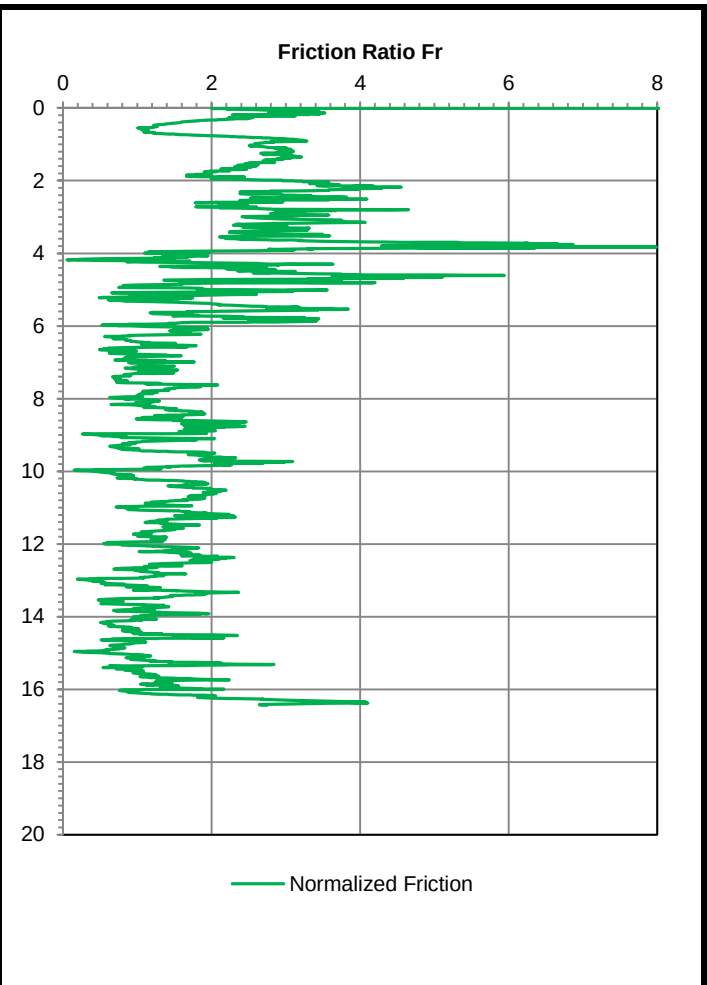
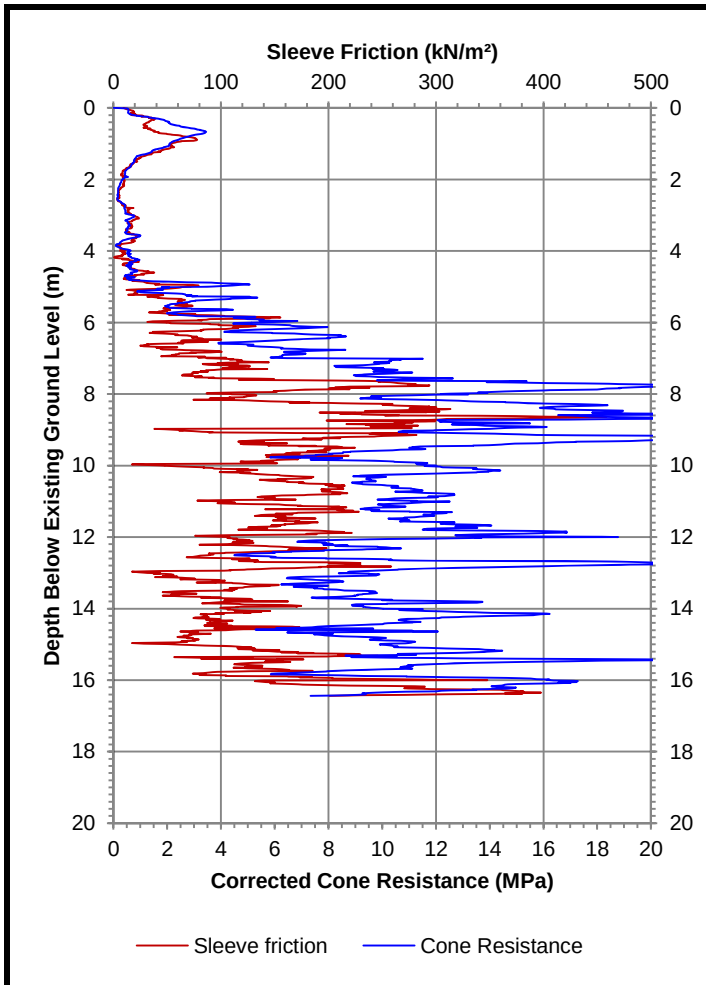
Undrained Shear Strength



SPT 'N' Value



CPT Number			CPT 07		
Existing Ground Level			1.49m OD		
Layer Interval			0.25m		
Selected deformability value αm			3		
Layer	Level at Top	No of Intermediate displacement levels	Young's modulus [kPa]		Poisson's Ratio
			Top	Bottom	
1	1.49m OD	10	1938 kN/m ²	5774 kN/m ²	0.25
2	1.24m OD	10	5774 kN/m ²	9330 kN/m ²	0.25
3	0.99m OD	10	9330 kN/m ²	7438 kN/m ²	0.25
4	0.74m OD	10	7438 kN/m ²	5270 kN/m ²	0.25
5	0.49m OD	10	5270 kN/m ²	2780 kN/m ²	0.25
6	0.24m OD	10	2780 kN/m ²	1885 kN/m ²	0.25
7	-0.01m OD	10	1885 kN/m ²	1306 kN/m ²	0.25
8	-0.26m OD	10	1306 kN/m ²	759 kN/m ²	0.25
9	-0.51m OD	10	759 kN/m ²	513 kN/m ²	0.25
10	-0.76m OD	10	513 kN/m ²	816 kN/m ²	0.25
11	-1.01m OD	10	816 kN/m ²	1371 kN/m ²	0.25
12	-1.26m OD	10	1371 kN/m ²	1819 kN/m ²	0.25
13	-1.51m OD	10	1819 kN/m ²	1575 kN/m ²	0.25
14	-1.76m OD	10	1575 kN/m ²	1951 kN/m ²	0.25
15	-2.01m OD	10	1951 kN/m ²	810 kN/m ²	0.25
16	-2.26m OD	10	810 kN/m ²	1918 kN/m ²	0.25
17	-2.51m OD	10	1918 kN/m ²	1891 kN/m ²	0.25
18	-2.76m OD	10	1891 kN/m ²	2043 kN/m ²	0.25
19	-3.01m OD	10	2043 kN/m ²	8096 kN/m ²	0.25
20	-3.26m OD	10	8096 kN/m ²	5395 kN/m ²	0.25
21	-3.51m OD	10	5395 kN/m ²	10450 kN/m ²	0.25
22	-3.76m OD	10	10450 kN/m ²	7996 kN/m ²	0.25
23	-4.01m OD	10	7996 kN/m ²	13616 kN/m ²	0.25
24	-4.26m OD	10	13616 kN/m ²	17800 kN/m ²	0.25
25	-4.51m OD	10	17800 kN/m ²	21514 kN/m ²	0.25
26	-4.76m OD	10	21514 kN/m ²	15835 kN/m ²	0.25
27	-5.01m OD	10	15835 kN/m ²	20305 kN/m ²	0.25
28	-5.26m OD	10	20305 kN/m ²	29401 kN/m ²	0.25
29	-5.51m OD	10	29401 kN/m ²	29779 kN/m ²	0.25
30	-5.76m OD	10	29779 kN/m ²	40846 kN/m ²	0.25
31	-6.01m OD	10	40846 kN/m ²	50943 kN/m ²	0.25
32	-6.26m OD	10	50943 kN/m ²	34369 kN/m ²	0.25
33	-6.51m OD	10	34369 kN/m ²	51534 kN/m ²	0.25
34	-6.76m OD	10	51534 kN/m ²	55536 kN/m ²	0.25
35	-7.01m OD	10	55536 kN/m ²	41998 kN/m ²	0.25
36	-7.26m OD	10	41998 kN/m ²	48879 kN/m ²	0.25
37	-7.51m OD	10	48879 kN/m ²	48121 kN/m ²	0.25
38	-7.76m OD	10	48121 kN/m ²	27391 kN/m ²	0.25
39	-8.01m OD	10	27391 kN/m ²	28380 kN/m ²	0.25
40	-8.26m OD	10	28380 kN/m ²	39164 kN/m ²	0.25
41	-8.51m OD	10	39164 kN/m ²	28244 kN/m ²	0.25
42	-8.76m OD	10	28244 kN/m ²	31755 kN/m ²	0.25
43	-9.01m OD	10	31755 kN/m ²	34638 kN/m ²	0.25
44	-9.26m OD	10	34638 kN/m ²	31088 kN/m ²	0.25
45	-9.51m OD	10	31088 kN/m ²	34098 kN/m ²	0.25
46	-9.76m OD	10	34098 kN/m ²	37063 kN/m ²	0.25
47	-10.01m OD	10	37063 kN/m ²	42908 kN/m ²	0.25
48	-10.26m OD	10	42908 kN/m ²	26608 kN/m ²	0.25
49	-10.51m OD	10	26608 kN/m ²	23376 kN/m ²	0.25
50	-10.76m OD	10	23376 kN/m ²	34503 kN/m ²	0.25
51	-11.01m OD	10	34503 kN/m ²	39003 kN/m ²	0.25
52	-11.26m OD	10	39003 kN/m ²	24460 kN/m ²	0.25
53	-11.51m OD	10	24460 kN/m ²	22478 kN/m ²	0.25
54	-11.76m OD	10	22478 kN/m ²	26841 kN/m ²	0.25
55	-12.01m OD	10	26841 kN/m ²	31635 kN/m ²	0.25
56	-12.26m OD	10	31635 kN/m ²	40205 kN/m ²	0.25
57	-12.51m OD	10	40205 kN/m ²	31154 kN/m ²	0.25
58	-12.76m OD	10	31154 kN/m ²	24730 kN/m ²	0.25
59	-13.01m OD	10	24730 kN/m ²	30199 kN/m ²	0.25
60	-13.26m OD	10	30199 kN/m ²	36998 kN/m ²	0.25
61	-13.51m OD	10	36998 kN/m ²	40606 kN/m ²	0.25
62	-13.76m OD	10	40606 kN/m ²	32878 kN/m ²	0.25
63	-14.01m OD	10	32878 kN/m ²	30715 kN/m ²	0.25
64	-14.26m OD	10	30715 kN/m ²		



Robertson et al 1986, updated by Robertson 2010.

Zone	Soil Behavior Type
Zone 1	Sensitive Fine Grained
Zone 2	Organic Soils - Clays
Zone 3	Clays - silty clay to clay
Zone 4	Silt mixtures - clayey silt to silty clay
Zone 5	Sand mixtures - silty sand to sandy silt
Zone 6	Sands - clean sand to silty sand
Zone 7	gravelly sand to dense sand
Zone 8	very stiff sand to clayey sand
Zone 9	very stiff, fine grained

