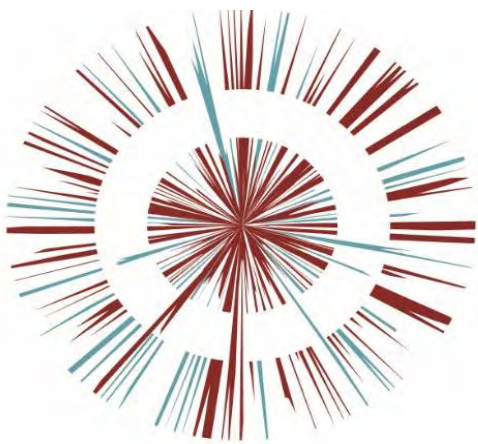




OMEGA ZONE 8, ST HELENS

Omega St Helens Ltd / T. J. Morris Limited



Ground Investigation Report
& Remediation Strategy
Appendix D Part 2
OPP DOC. 2.6

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

ARCHWAY ENGINEERING (UK) LTD
AINLEYS INDUSTRIAL ESTATE
ELLAND
WEST YORKSHIRE
HX5 9JP

SPT Hammer Ref: AR2636
Test Date: 15/02/2019
Report Date: 15/02/2019
File Name: AR2636.spt
Test Operator: CM

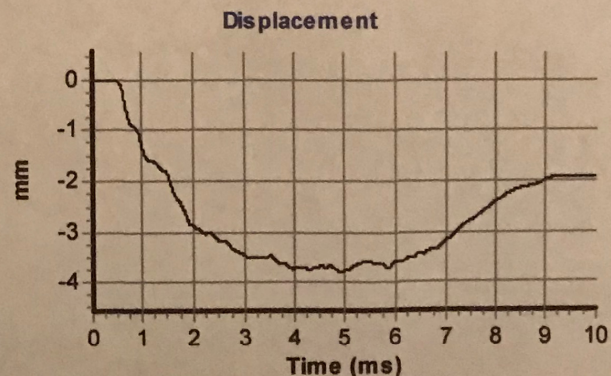
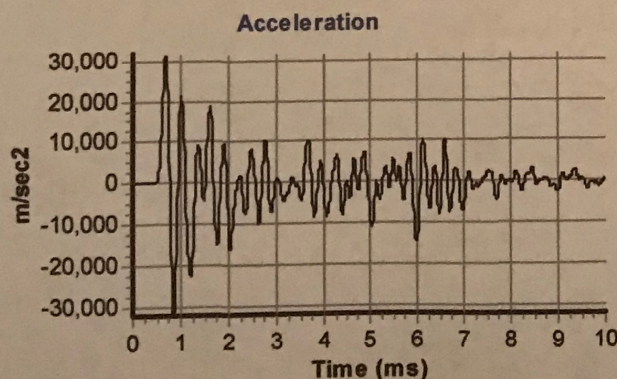
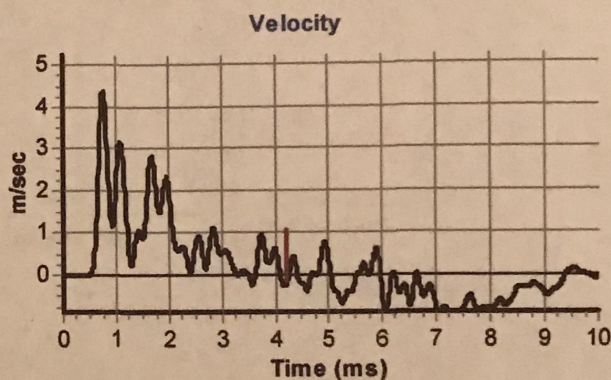
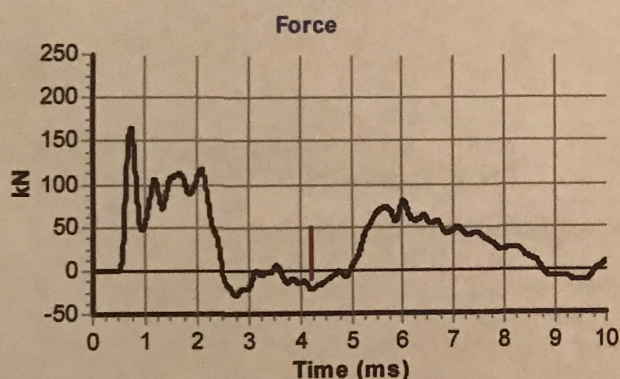
Instrumented Rod Data

Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.0
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 7080
Accelerometer No.2: 11609

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 10.0

Comments / Location



Calculations

Area of Rod A (mm²): 905
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 337

Energy Ratio E_r (%): **71**

Title: FITTER

The recommended calibration interval is 12 months

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

ARCHWAY ENGINEERING (UK) LTD
AINLEYS INDUSTRIAL ESTATE
ELLAND
WEST YORKSHIRE
HX5 9JP

SPT Hammer Ref: 6457
Test Date: 01/08/2019
Report Date: 01/08/2019
File Name: 6457.spt
Test Operator: JL

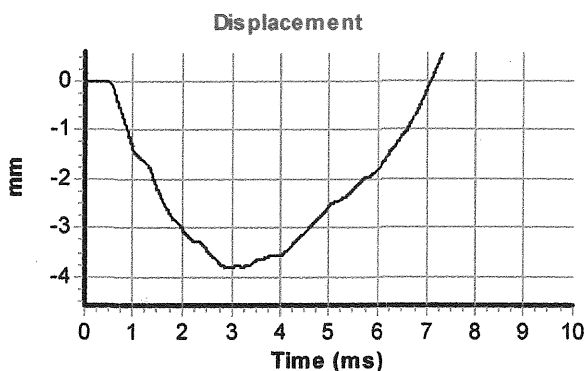
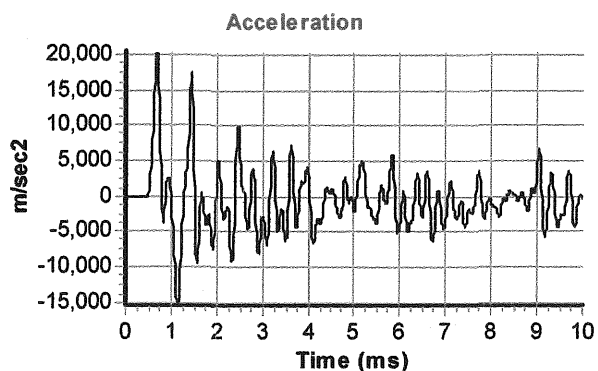
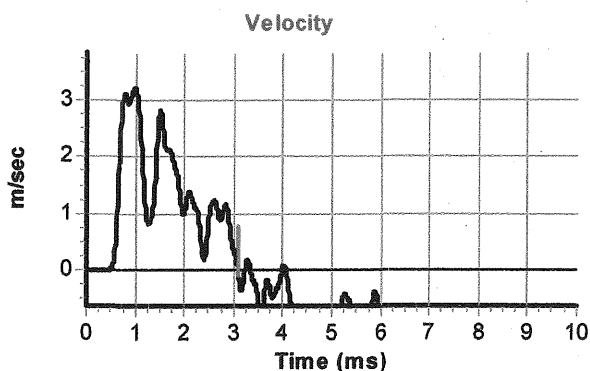
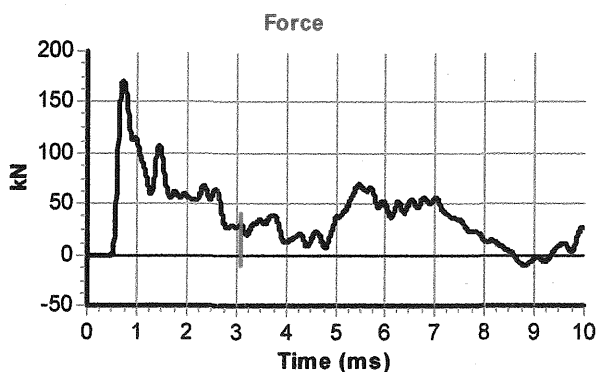
Instrumented Rod Data

Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.5
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 7080
Accelerometer No.2: 11609

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 10.0

Comments / Location



Calculations

Area of Rod A (mm^2): 970
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 311

Energy Ratio E_r (%): **66**

Title: FITTER

The recommended calibration interval is 12 months

APPENDIX 3

Rock Core Photographs

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A01 13.50m to 16.50m



BH8A01 16.50m to 19.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A01 19.50m to 22.50m



BH8A01 22.50m to 25.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A02 12.00m to 13.00m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A02A 14.50m to 17.50m



BH8A02A 17.50m to 20.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A02A 20.50m to 23.50m



BH8A02A 23.50m to 26.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A03 12.10m to 15.10m



BH8A03 15.10m to 18.10m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A03 18.10m to 21.10m



BH8A03 21.10m to 24.10m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A04 10.80m to 13.80m



BH8A04 13.80m to 16.80m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A04 16.80m to 19.80m



BH8A04 19.80m to 22.80m

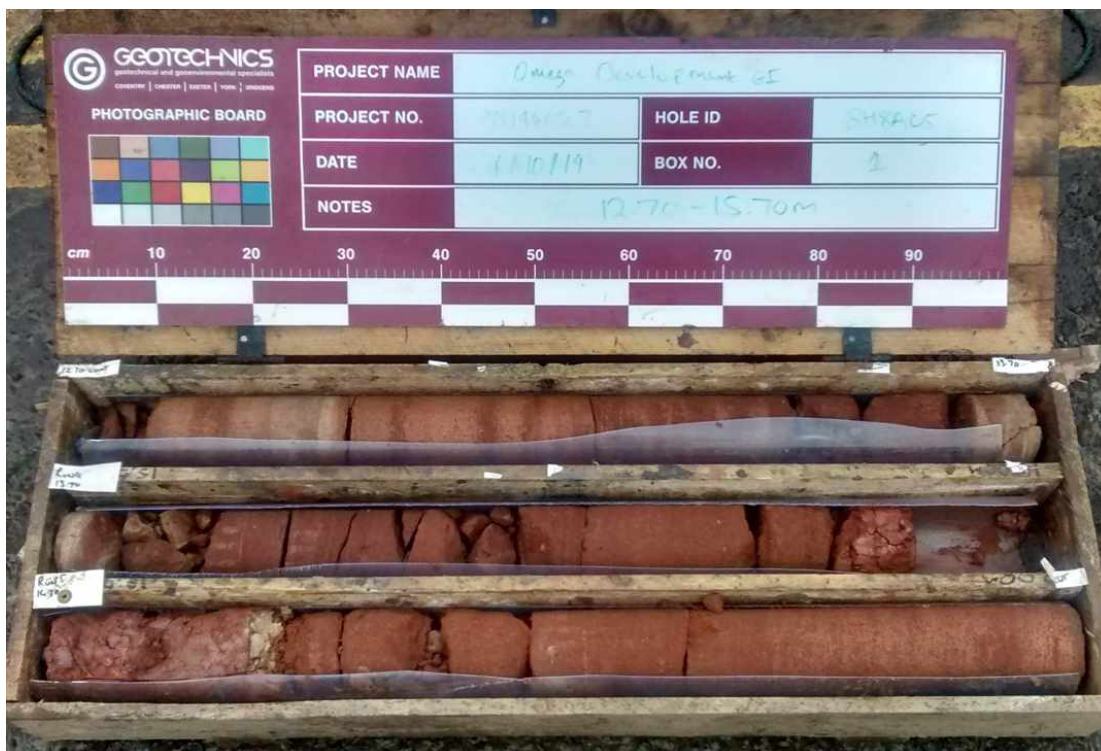
PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



BH8A05 9.70m to 12.70m



BH8A05 12.70m to 15.70m

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



BH8A05 15.70m to 18.70m



BH8A05 18.70m to 21.70m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A06 12.20m to 15.20m



BH8A06 15.20m to 18.20m

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



BH8A06 18.20m to 21.20m



BH8A06 21.20m to 21.40m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A07 16.50m to 19.50m



BH8A07 19.50m to 22.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A07 22.50m to 25.50m



BH8A07 25.50m to 28.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A08 12.50m to 15.50m



BH8A08 15.50m to 18.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8A08 18.50m to 21.50m



BH8A08 21.50m to 24.50m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8B03 8.40m to 12.40m



BH8B03 12.40m to 15.40m

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



BH8B03 15.40m to 18.40m



BH8B03 18.40m to 20.40m

APPENDIX 4

Trial Pit Records & Substitute Borehole Records

DATA SHEET - Symbols and Abbreviations used on Records



Sample Types	
B	Bulk disturbed sample
BLK	Block sample
C	Core sample
D	Small disturbed sample (tub/jar)
E	Environmental test sample
ES	Environmental soil sample
EW	Environmental water sample
G	Gas sample
L	Liner sample
LB	Large bulk disturbed sample
P	Piston sample (PF - failed P sample)
TW	Thin walled push in sample
U	Open Tube - 102mm diameter with blows to take sample. (UF - failed U sample)
UT	Thin wall open drive tube sampler - 102mm diameter with blows to take sample. (UTF - failed UT sample)
V	Vial sample
W	Water sample
#	Sample Not Recovered

Insitu Testing / Properties	
CBRP	CBR using TRL probe
CHP	Constant Head Permeability Test
COND	Electrical conductivity
TC	Thermal Conductivity
TR	Thermal Resistivity
HV	Strength from Hand Vane
ICBR	CBR Test
IDEN	Density Test
IRES	Resistivity Test
MEX	CBR using Mexecon Probe Test
PKR	Packer Permeability Test
PLT	Plate Load Test
PP	Strength from Pocket Penetrometer
Temp	Temperature
VHP	Variable Head Permeability Test
VN	Strength from Insitu Vane
w%	Water content
(All other strengths from undrained triaxial testing)	
S	Standard Penetration Test (SPT)
C	SPT with cone
N	SPT Result
-/-	Blows/penetration (mm) after seating drive
-*/- (mm)	Total blows/penetration
()	Extrapolated value

Groundwater	
Water Strike	
Depth Water Rose To	

Instrumentation	
Seal	
Filter	
Seal	

Strata	Legend
Made Ground Granular	
Made Ground Cohesive	
Topsoil	
Cobbles and Boulders	
Gravel	
Sand	
Silt	
Clay	
Peat	

Note: Composite soil types shown by combined symbols

Chalk	
Limestone	
Sandstone	
Coal	

Strata, Continued	
Mudstone	
Siltstone	
Metamorphic Rock	
Fine Grained	
Medium Grained	
Coarse Grained	
Igneous Rock	
Fine Grained	
Medium Grained	
Coarse Grained	

Backfill Materials	
Arisings	
Bentonite Seal	
Concrete	
Fine Gravel Filter	
General Fill	
Gravel Filter	
Grout	
Sand Filter	
Tarmacadam	

Rotary Core	
RQD	Rock Quality Designation (% of intact core >100mm)
FRACTURE INDEX	
Fractures/metre	
FRACTURE SPACING (m)	Maximum
NI	Non-intact core
NR	No core recovery
AZCL	Assumed zone of core loss
(where core recovery is unknown it is assumed to be at the base of the run)	

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

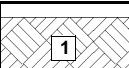


Trial Pit
Project No

TP8A01
PN194027


Client WSP

National Grid
Coordinates 354685.6 E
390775.3 N

Ground Level 26.24 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			<p>Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.</p> <p>MADE GROUND: Firm to stiff orangish brown slightly sandy gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.</p> <p>At 0.90m, land drain encountered, running NE to SW.</p> <p>End of Excavation</p>	G.L.		26.24
0.20	ES				0.40		25.84
0.40- 0.90	B				0.90		25.34
0.40	D						
0.40	HV						
0.50	ES						
0.90	D						
0.90	ES						
0.90	HV						

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	10/10/2019	Length (C)	1.00			
Shoring	None.	Date Backfilled	10/10/2019			Water standing at ground level.
Stability	Stable during excavation.					

Remarks  Trial Pit terminated at 0.90m depth on encountering a land drain.
ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.


Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019



TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

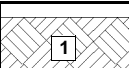
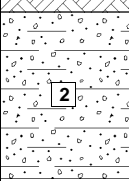
Trial Pit
Project No

TP8A02
PN194027

Client WSP

National Grid
Coordinates 354690.8 E
390692.8 N

Ground Level 25.54 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		25.54
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=48kPa	Firm to stiff orangish brown slightly sandy gravelly CLAY with a low cobble content and rare pockets of light brown fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		25.14
1.40 1.50	HV D		Av=67kPa	End of Excavation	1.50		24.04

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	10/10/2019	Length (C)	1.00			
Shoring	None.	Date Backfilled	10/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


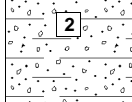
Trial Pit
Project No

TP8A03
PN194027


Client WSP

National Grid	354662.6	E
Coordinates	390634.9	N

Ground Level 24.93 m OD

Samples and Tests				Strata		Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L. 0.40		24.93 24.53	
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=47kPa	Firm to stiff orangish brown slightly sandy gravelly CLAY with a low cobble content and rare pockets of light brown fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, coal and occasional quartz.				
1.40 1.50	HV D		Av=63kPa	At 0.40m, land drain encountered running NE to SW. End of Excavation	1.50		23.43	

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	10/10/2019	Length (C)	1.50			
Shoring	None.	Date Backfilled	10/10/2019			None encountered.
Stability	Stable during excavation.					

Remarks 

Land drain encountered at 0.40m depth running NE to SW. Trial pit extended N by 400mm to avoid the land drain.
ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.

Logged by JN

Figure 1 of 1
18/12/2019

geotechnics

18/12/2019

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


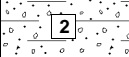

Trial Pit
Project No

TP8A04
PN194027

Client WSP

National Grid
Coordinates 354653.9 E
390595.9 N

Ground Level 24.23 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		24.23
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=51kPa		Firm to stiff orangish brown slightly sandy gravelly CLAY with a low cobble content and rare pockets of light brown fine to coarse sand. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone, quartz and rare coal fragments.	0.40		23.83
1.40 1.50	HV D	Av=63kPa		End of Excavation	1.50		22.73

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	10/10/2019	Length (C)	1.00			
Shoring	None.	Date Backfilled	10/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

BOREHOLE RECORD - Cable Percussion

Project OMEGA DEVELOPMENT GI				Engineer WSP				Borehole Project No TP8A05 PN194027			
Client WSP				National Grid Coordinates 354756.4 E 390779.2 N				Ground Level 25.94 m OD			

Sampling			Properties		Strata		Scale 1:50	
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	Description	Depth	Legend	Level m OD
0.00- 0.40	B				Crops over TOPSOIL: Soft dark brown slightly sandy clay with many rootlets.	G.I.		25.94
0.25	ES					0.40		25.54
0.50- 1.20	B			16	Firm yellowish brown mottled grey slightly gravelly sandy CLAY. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and coal.			
0.50	ES							
1.00	ES							
1.20- 1.60	B							
1.50	D							
1.60- 2.20	B							
1.60- 2.20	HV		Av=69					
2.00	D							
2.20- 2.60	B				Below 2.20m, reddish brown, slightly sandy.			
2.20- 2.60	HV		Av=107	14				
2.50	D				Below 2.60m, stiff.			
2.60- 3.00	B							
2.80	D							
					End of Borehole	3.00		22.94

Boring				Progress					Groundwater					
Depth	Hole Dia	Technique	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remarks on Groundwater
1.20	0.15	Inspection Pit	SL	G.I.			18/10/19	08:00						None encountered.
3.00		Cable Percussion	SL	3.00			18/10/19	18:00						

Remarks

Inspection pit hand excavated to 1.20m depth and no services were found.
The Borehole was carried out in place of a Trial Pit due to access restrictions.
ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.

Symbols and abbreviations are explained on the accompanying key sheet.
All dimensions are in metres.

Logged by MM
Figure 1 of 1
18/12/2019

Logged in accordance with BS5930:2015


BOREHOLE RECORD - Cable Percussion

Project OMEGA DEVELOPMENT GI Engineer WSP Borehole Project No TP8A06 PN194027

Client WSP National Grid Coordinates 354759.3 E 390553.1 N Ground Level 24.02 m OD

Sampling			Properties		Strata		Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	Description		Depth	Legend	Level m OD
0.00- 0.40	B				Grass over TOPSOIL: Soft dark brown slightly gravelly sandy clay with many rootlets. Gravel is subangular to subrounded fine to medium of sandstone and brick fragments.		G.I.		24.02
0.25	ES						0.40		23.62
0.50- 1.20	B			18	Firm yellowish brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone, mudstone, coal and quartz.				
0.50	ES								
1.00	ES								
1.20- 1.60	B		Av=66						
1.20- 1.60	HV								
1.50	D								
1.60- 2.20	B		Av=85						
1.60- 2.20	HV								
2.00	D			13					
2.00	D								
2.20- 2.60	B		Av=93		Below 2.40m, reddish brown.				
2.20- 2.60	HV								
2.50	D								
2.60- 3.00	B		Av=70						
2.60- 3.00	HV								
2.80	D						3.00		21.02
End of Borehole									

Boring				Progress					Groundwater					
Depth	Hole Dia	Technique	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remarks on Groundwater
1.20	0.15	Inspection Pit	SL	G.I.			18/10/19	08:00						None encountered.
3.00		Cable Percussion	SL	3.00			18/10/19	18:00						


Remarks  Inspection pit hand excavated to 1.20m depth and no services were found. The Borehole was carried out in place of a Trial Pit due to access restrictions. ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:2015

Logged by MM

Figure 1 of 1 18/12/2019




BOREHOLE RECORD - Cable Percussion

Project **OMEGA DEVELOPMENT GI** Engineer **WSP** Borehole **TP8A07**
 Project No **PN194027**
 Client **WSP** National Grid Coordinates **354850.1 E 390542.2 N** Ground Level **23.77 m OD**

Sampling			Properties		Strata		Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	Description		Depth	Legend	Level m OD
0.00- 0.40	B				Grass over TOPSOIL: Soft dark brown slightly sandy clay with many rootlets.		G.L.		23.77
0.25	ES						0.40		23.37
0.50- 1.20	B				Firm reddish brown mottled grey slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and coal.				
0.50	ES								
1.00	ES								
1.20- 1.60	B			14					
1.50	D			14					
1.60- 2.20	B								
1.60- 2.20	HV		Av=67						
2.00	D								
2.20- 2.60	B								
2.20- 2.60	HV		Av=77		Below 2.40m, stiff, slightly sandy.				
2.50	D								
2.60- 3.00	B								
2.60- 3.00	HV		Av=100						
2.80	D								
					End of Borehole		3.00		20.77


Boring				Progress					Groundwater					
Depth	Hole Dia	Technique	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remarks on Groundwater
1.20		Inspection Pit	SL	G.I.			21/10/19	08:00						None encountered.
3.00	0.15	Cable Percussion	SL	3.00			21/10/19	18:00						

Remarks  The Borehole was carried out in place of a Trial Pit due to access restrictions.
 Inspection pit hand excavated to 1.20m depth and no services were found.
 ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.
 Backfill details from base of hole: bentonite seal up to ground level.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:2015

Logged by **MM**
 Figure **1 of 1**
 18/12/2019



TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8A08




Project No

PN194027


Client WSP

National Grid Coordinates 354884.8 E
390540.9 N

Ground Level 24.20 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		24.20
0.40- 1.00 0.40 0.40 0.50	B D HV ES	Av=44kPa		POSSIBLE MADE GROUND: Firm to stiff orangish brown mottled grey sandy gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and some coal fragments.	0.40		23.80
1.00- 1.50 1.00 1.00	B D ES				1.00		23.20
1.40 1.50	HV D	Av=56kPa		Firm to stiff brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and some coal fragments.	1.50		22.70
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	11/10/2019	Length (C)	1.50			
Shoring	None.	Date Backfilled	11/10/2019			Seepage from ground level.
Stability	stable during excavation.					

Remarks	At 1.00m depth, trial pit extended southwards due to possible presence of a land drain. ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.					Logged by JN
Symbols and abbreviations are explained on the accompanying key sheet.						Figure 1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015					


















BOREHOLE RECORD - Cable Percussion

Project **OMEGA DEVELOPMENT GI** Engineer **WSP** Borehole **TP8A09**
 Client **WSP** National Grid Coordinates **354948.4 E 390541.1 N** Project No **PN194027**
 Ground Level **25.33 m OD**


Sampling			Properties			Strata	Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %		Description	Depth	Legend	Level m OD
0.00- 0.60	B					Grass over TOPSOIL: Soft dark brown slightly sandy slightly gravelly clay with some rootlets. Gravel is angular to subangular fine to coarse of sandstone and brick fragments. Firm reddish brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone and mudstone. Below 2.00m, stiff.	G.L.		

BOREHOLE RECORD - Cable Percussion

Project **OMEGA DEVELOPMENT GI** Engineer **WSP** Borehole **TP8A10**
 Project No **PN194027**
 Client **WSP** National Grid Coordinates **354947.8 E**
390471.5 N Ground Level **24.51 m OD**

Sampling			Properties			Strata	Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %		Description	Depth	Legend	Level m OD
0.25	ES					Grass over TOPSOIL: Soft dark brown slightly sandy clay with many rootlets.	G.L.		24.51
0.30- 0.70	B						0.30		24.21
0.50	ES					POSSIBLE MADE GROUND: Yellowish grey slightly clayey fine to coarse sand.			
0.70- 1.20	B			15			0.70		23.81
1.00	ES					Firm yellowish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of sandstone, mudstone and coal.			
1.20- 1.60	B								
1.20- 1.60	HV		Av=52						
1.50	D								
1.60- 2.20	B								
1.60- 2.00	HV		Av=62						
2.00	D					Below 2.00m, stiff, reddish brown.			
2.00- 2.60	HV		Av=86						
2.20- 2.60	B								
2.50	D								
2.60- 3.00	B								
2.60- 3.00	HV		Av=115						
2.80	D								
						End of Borehole	3.00		21.51
							</		


Boring				Progress					Groundwater					
Depth	Hole Dia	Technique	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remarks on Groundwater
1.20	0.15	Inspection Pit	SL	G.I.			21/10/19	08:00						None encountered.
3.00		Cable Percussion	SL	3.00			21/10/19	18:00						

Remarks  The Borehole was carried out in place of a Trial Pit due to access restrictions.
 Inspection pit hand excavated to 1.20m depth and no services were found.
 ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.
 Backfill details from base of hole: bentonite seal up to ground level.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:2015

Logged by **MM**
 Figure **1 of 1**
 18/12/2019



TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

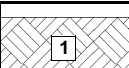



Trial Pit
Project No

TP8A11
PN194027

Client WSP

National Grid
Coordinates 354992.9 E
390510.7 N

Ground Level 24.33 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown slightly gravelly sandy clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		24.33
0.20	ES				0.40		23.93
0.40- 1.50	B			Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content and many pockets of silt. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal. Rare rootlets.			
0.40	D						
0.40	HV						
0.50	ES						
1.00	D						
1.00	ES						
1.40	HV			End of Excavation	1.50		22.83
1.50	D						

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	11/10/2019	Length (C)	1.00			
Shoring	None.	Date Backfilled	11/10/2019			Seepage from ground level.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019



geotechnics

BOREHOLE RECORD - Cable Percussion

Project **OMEGA DEVELOPMENT GI** Engineer **WSP** Borehole **TP8A12**
 Client **WSP** National Grid Coordinates **354971.4 E 390806.5 N** Project No **PN194027**
 Ground Level **24.22 m OD**

Sampling			Properties		Strata		Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %		Description	Depth	Legend	Level m OD
0.00- 0.50	B					Grass over TOPSOIL: Soft dark brown slightly sandy slightly gravelly clay with some rootlets. Gravel is subangular to subrounded fine to coarse of mudstone, concrete, tarmacadam and brick fragments.	G.L.		24.22
0.25	ES								
0.50- 1.20	B					MADE GROUND: Soft dark brown slightly sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and brick fragments.	0.50		23.72
0.50	ES								
1.00	ES					Firm yellowish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to medium of sandstone mudstone and coal.	1.20		23.02
1.20- 1.60	B		Av=52						
1.20- 1.60	HV								
1.50	D								
1.60- 2.20	B		Av=70						
1.60- 2.20	HV								
2.00	D					Below 2.60m, stiff, reddish brown.			
2.20- 2.60	B								
2.20- 2.60	HV		Av=51						
2.50	D								
2.60- 3.00	B		Av=71						
2.60- 3.00	HV								
2.80	D								
						End of Borehole	3.00		21.22


Boring				Progress					Groundwater					
Depth	Hole Dia	Technique	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remarks on Groundwater
1.20		Inspection Pit	SL	G.I.			22/10/19	08:00						None encountered.
3.00	0.15	Cable Percussion	SL	3.00			22/10/19	18:00						

Remarks  Inspection pit hand excavated to 1.20m depth and no services were found.
 ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.
 Backfill details from base of hole: bentonite seal up to ground level.

Symbols and abbreviations are explained on the accompanying key sheet.

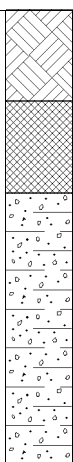
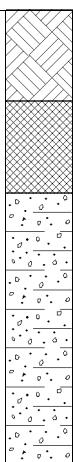
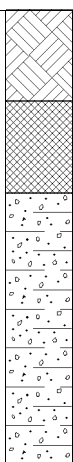
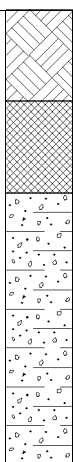
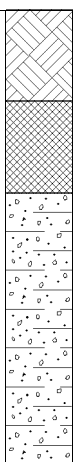
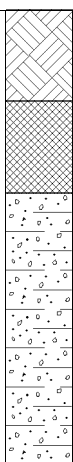
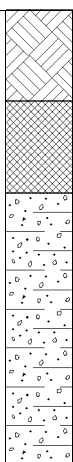
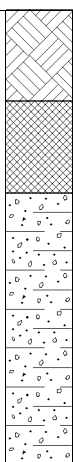
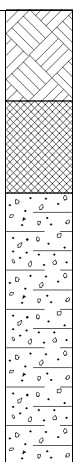
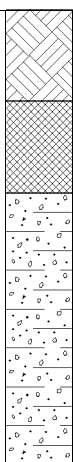
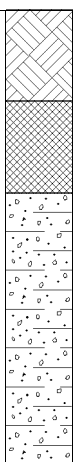
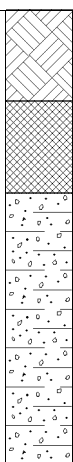
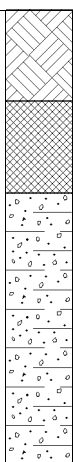
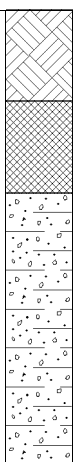
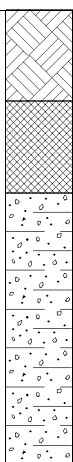
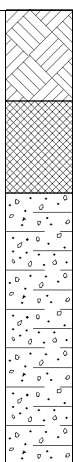
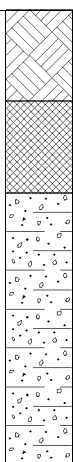
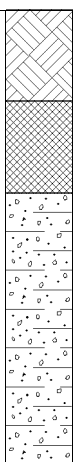
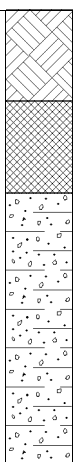
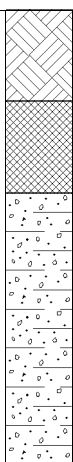
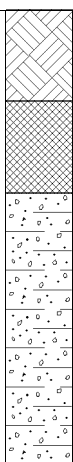
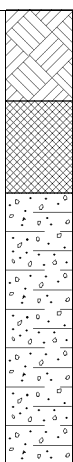
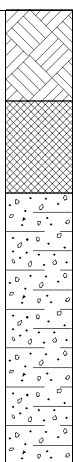
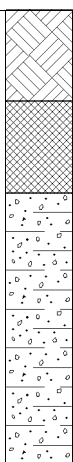
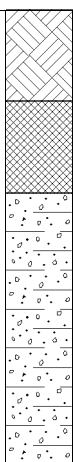
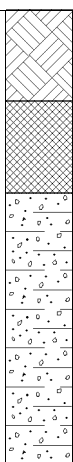
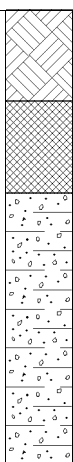
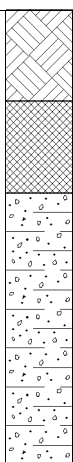
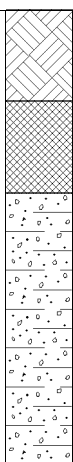
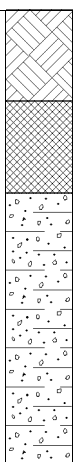
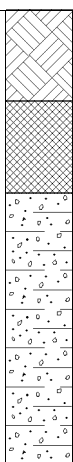
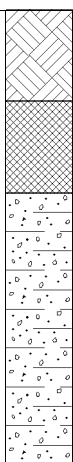
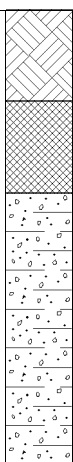
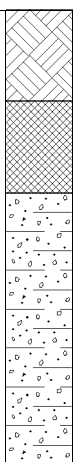
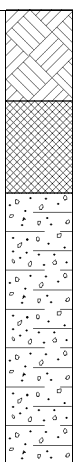
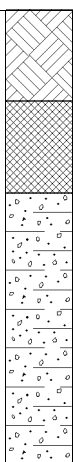
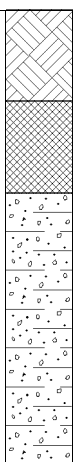
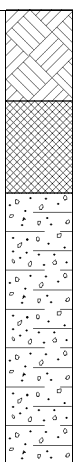
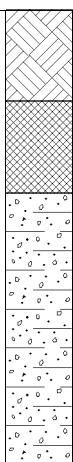
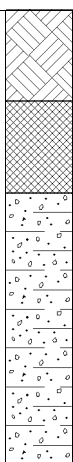
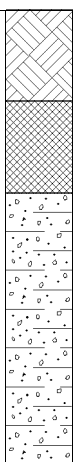
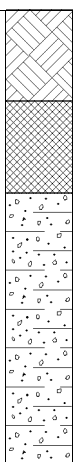
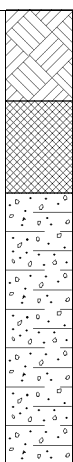
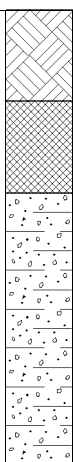
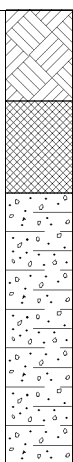
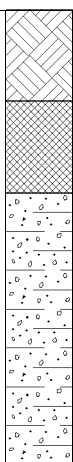
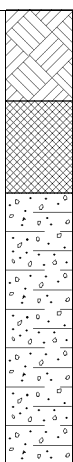
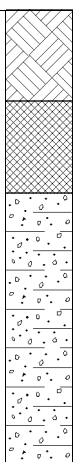
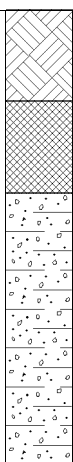
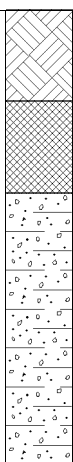
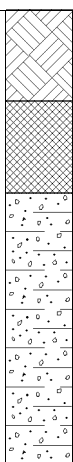
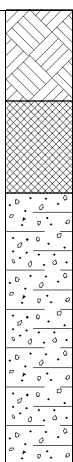
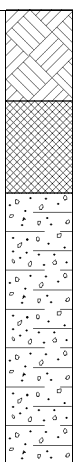
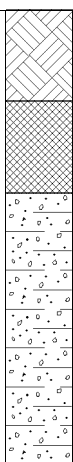
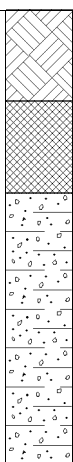
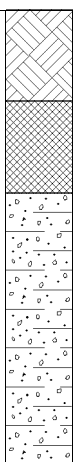
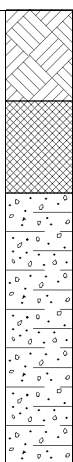
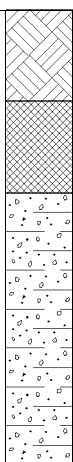
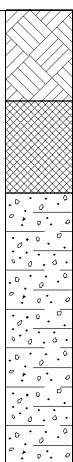
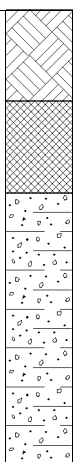
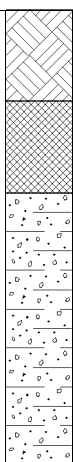
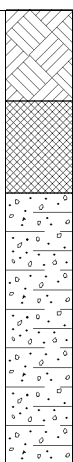
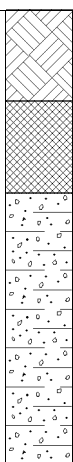
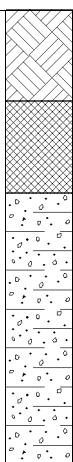
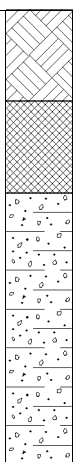
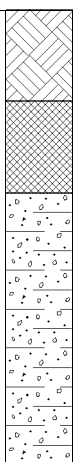
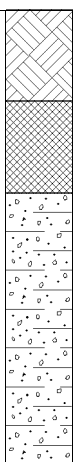
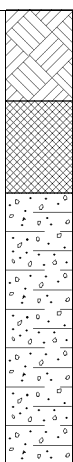
All dimensions are in metres. Logged in accordance with BS5930:2015

Logged by **MM**
 Figure **1 of 1**
 18/12/2019



BOREHOLE RECORD - Cable Percussion

Project **OMEGA DEVELOPMENT GI** Engineer **WSP** Borehole **TP8A13**
 Client **WSP** National Grid Coordinates **354896.5 E 390722.8 N** Project No **PN194027**
 Ground Level **25.05 m OD**

Sampling			Properties			Strata	Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %		Description	Depth	Legend	Level m OD
0.00- 0.60	B					Grass over TOPSOIL: Soft dark brown slightly sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and fragments of brick, tarmac and concrete.	G.L.		25.05
0.25	ES								
0.50	ES								
0.60- 1.20	B					MADE GROUND: Soft dark brown slightly sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and brick fragments.	0.60		24.45
1.00	ES								
1.20- 1.60	B			18					
1.20- 1.60	HV		Av=52	17		Firm yellowish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to medium of sandstone, mudstone and coal.	1.20		23.85
1.50	D								
1.60- 2.20	B								
1.60- 2.20	HV		Av=70			Below 2.70m, stiff, reddish brown.			
1.80	D								
2.20- 2.60	B								
2.20- 2.60	HV		Av=51			End of Borehole			
2.50	D								
2.60- 3.00	B								
2.60- 3.00	HV		Av=71			End of Borehole			
2.80	D								
						End of Borehole	3.00		22.05
						End of Borehole			
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TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B01

Project No

PN194027

Client WSP

National Grid Coordinates 355071.8 E
390500.6 N

Ground Level 23.16 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.40	B			Rough grass over TOPSOIL: Greyish brown slightly sandy slightly gravelly SILT with many rootlets. Gravel is subangular to subrounded fine to coarse of mudstone, siltstone, limestone and quartz.	G.L.		23.16
0.10	D				0.10		23.06
0.20	ES			MADE GROUND: Greyish brown slightly gravelly SILT. Gravel is subangular to subrounded fine to coarse of mudstone, sandstone and siltstone.	0.40		22.76
0.40- 1.10	B						
0.40	HV		Av=61kPa	MADE GROUND: Firm reddish brown slightly sandy slightly gravelly clay. Gravel is subangular fine to coarse of mudstone, sandstone and siltstone.	1.10		22.06
0.40	HV		Av=44kPa				
0.50	ES			Firm reddish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of mudstone, sandstone and limestone.	1.50		21.66
1.00	ES						
1.10- 1.50	B			End of Excavation			
1.10	D						
1.10	HV		Av=38kPa				
1.50	ES						

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	25/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	25/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. Plate load test undertaken at 0.40mbgl. Backfill details from base of hole: arisings up to ground level.	Logged by	NC
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015		

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B02

Project No

PN194027

Client WSP

National Grid
Coordinates

355078.9 E
390574.5 N

Ground Level 23.47 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			TOPSOIL: Soft brown slightly sandy slightly gravelly clay with a low cobble content and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.	G.L.		23.47
0.20	D						
0.20	ES				0.40		23.07
0.40- 0.90	B						
0.50	ES						
0.70	D			Soft to firm yellowish brown slightly gravelly sandy CLAY with a medium cobble content.	0.90		22.57
0.90- 1.90	B						
0.90- 1.90	HV						
1.00	ES						
1.30	D						
1.70	D			Firm to stiff orangish brown slightly sandy slightly gravelly CLAY with a low cobble content. Gravel is angular to subangular fine to coarse of sandstone, mudstone, limestone and coal.			
1.90- 2.90	B						
1.90- 2.90	HV						
2.30	D						
2.70	D						
				End of Excavation	3.00		20.47

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	24/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	24/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B03
PN194027

Client WSP

National Grid
Coordinates 355293.5 E
390517.2 N

Ground Level 21.72 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			<p>TOPSOIL: Soft brown slightly sandy slightly gravelly clay with a low cobble content and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.</p> <p>MADE GROUND: Firm to stiff orangish brown mottled grey slightly sandy slightly gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.</p> <p>At 0.70m, land drain in the south end of the pit, running northeast-southwest.</p> <p>Firm to stiff orangish brown mottled grey slightly sandy slightly gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, mudstone, limestone and coal.</p> <p>At 1.40m, occasional pockets of fine to coarse sand and gravel.</p> <p>End of Excavation</p>	G.L.		21.72
0.20	D				0.40		21.32
0.20	ES						
0.40- 0.80	B				0.80		20.92
0.40- 0.80	HV		Av=67kPa				
0.50	ES						
0.70	D						
0.80- 1.50	B				1.50		20.22
0.80- 1.50	HV		Av=39kPa				
1.00	ES						
1.30	D						

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/09/2019	Length (C)	3.00	1.40		Seepage, no rise.
Shoring	None.	Date Backfilled	23/09/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B04
PN194027

Client WSP

National Grid
Coordinates 355210.2 E
390511.5 N

Ground Level 21.78 m OD

Samples and Tests				Strata		Scale 1:50	
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			<p>TOPSOIL: Soft brown slightly sandy slightly gravelly clay with a low cobble content and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.</p> <p>Firm to stiff orangish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of sandstone, mudstone, limestone and coal.</p> <p>At 0.50m, occasional pockets of fine to coarse sand.</p> <p>End of Excavation</p>	G.L.		21.78
0.20	D				0.40		
0.40- 1.00	ES						
0.40- 1.00	B						
0.40- 1.00	HV		Av=75kPa				
0.50	ES						
0.70	D						
1.00- 1.50	B						
1.00	ES						
1.00- 1.50	HV		Av=79kPa				
1.30	D				1.50		20.28

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	23/09/2019			None encountered.
Stability	stable during excavation.					

Remarks ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B05
PN194027

Client WSP

National Grid
Coordinates 355198.0 E
390550.0 N

Ground Level 22.07 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			TOPSOIL: Soft brown slightly sandy slightly gravelly clay with occasional rootlets. Gravel is angular to subangular fine to coarse sandstone, mudstone and limestone.	G.L.		22.07
0.20	D						
0.20	ES				0.40		21.67
0.40- 1.00	B						
0.40- 1.00	HV		Av=42kPa				
0.50	ES			Firm to stiff orangish brown mottled grey slightly gravelly sandy CLAY with a medium cobble. Gravel is angular to subrounded fine to coarse of sandstone, mudstone, limestone and coal.			
0.70	D						
1.00- 1.50	B						
1.00	ES						
1.00- 1.50	HV		Av=28kPa				
1.30	D			At 1.40m, sandstone boulder.	1.50		20.57
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	24/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	24/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B06
PN194027

Client WSP

National Grid
Coordinates 355159.0 E
390583.9 N

Ground Level 22.90 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			TOPSOIL: Soft brown slightly sandy slightly gravelly clay with a low cobble content and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.	G.L.		22.90
0.20	D						
0.20	ES				0.40		22.50
0.40- 1.00	B						
0.50	ES						
0.70	D			Firm to stiff orangish brown mottled grey slightly gravelly sandy CLAY with a medium cobble content. Gravel is angular to subangular fine to coarse of sandstone, mudstone, limestone and coal.			
1.00- 1.50	B						
1.00	ES						
1.30	D			At 0.70m, occasional pockets of fine to coarse sand.	1.50		21.40
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	24/09/2019	Length (C)	3.00	0.70		
Shoring	None.	Date Backfilled	24/09/2019			Seepage, no rise.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B07
PN194027

Client WSP

National Grid
Coordinates 355291.0 E
390556.3 N

Ground Level 21.93 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with a low cobble content and rare rootlets. Gravel is angular to subrounded fine to coarse of sandstone and mudstone.	G.L.		21.93
0.20	D						
0.20	ES				0.40		21.53
0.40- 1.00	B						
0.40- 1.00	HV		Av=57kPa				
0.50	ES			Firm to stiff orangish brown mottled grey slightly sandy slightly gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, mudstone, limestone and coal.			
0.70	D						
1.00- 1.50	B						
1.00	ES						
1.00- 1.50	HV		Av=41kPa				
1.30	D			At 0.70m, occasional pockets of fine to coarse sand.	1.50		20.43
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	23/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP




Trial Pit
Project No

TP8B08
PN194027


Client WSP

National Grid
Coordinates 355212.9 E
390654.2 N

Ground Level 22.54 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.30	B			TOPSOIL: Very soft dark brown slightly sandy clay with some rootlets.	G.L.		22.54
0.20	D						
0.20	ES				0.35		22.19
0.40- 0.50	B			MADE GROUND: Firm fissured slightly sandy slightly gravelly clay with grey silty sand on fissures. Gravel is subangular to subrounded medium to coarse of siltstone, mudstone and quartz.			
0.40	HV		Av=55kPa				
0.50	D				0.80		21.74
0.50	ES			At 0.80m, land drain.			
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	26/09/2019	Length (C)	2.60			
Shoring	None.	Date Backfilled	26/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. The Trial Pit was terminated at a depth of 0.80m on encountering a land drain. Backfill details from base of hole: arisings up to ground level.	Logged by	NC
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015		

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B08A

Project No



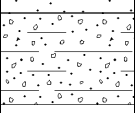

PN194027

Client WSP

National Grid
Coordinates

355213.8 E
390654.7 N

Ground Level 22.54 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			TOPSOIL: Dark brown slightly clayey fine to coarse sand with some rootlets.	G.L.		22.54
0.40- 1.00 0.40 0.50 0.70	B D ES HV		Av=73kPa	Firm reddish brown sandy CLAY with some rootlets.	0.40		22.14
1.00- 1.50 1.00 1.00	B D ES			Firm reddish brown mottled yellow sandy slightly gravelly CLAY with many pockets of fine to medium sand. Gravel is angular to subrounded of sandstone and coal.	1.00		21.54
1.50 1.50	D HV		Av=70kPa	End of Excavation	1.60		20.94

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.40	Depth Observed	Depth of Pit	Details
Date	26/09/2019	Length (C)	2.20	1.10		Seepage, no rise.
Shoring	None.	Date Backfilled	26/09/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. Backfill details from base of hole: arisings up to ground level.	Logged by	MM
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B09
PN194027

Client WSP

National Grid
Coordinates 355300.7 E
390594.8 N

Ground Level 21.96 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.50	B			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with a low cobble content and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.	G.L.		21.96
0.20	D				0.40		21.56
0.50- 1.10	B			Stiff orangish brown mottled grey slightly sandy slightly gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, mudstone, limestone and coal.			
0.50	ES						
0.50- 1.10	HV	Av=59kPa					
0.70	D						
1.00	ES			End of Excavation			
1.10- 1.60	B						
1.10- 1.60	HV	Av=61kPa					
1.30	D				1.60		20.36

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/09/2019	Length (C)	3.00			None encountered.
Shoring	None.	Date Backfilled	23/09/2019			
Stability	stable during excavation.					

Remarks ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B10
PN194027

Client WSP

National Grid
Coordinates 355385.0 E
390663.6 N

Ground Level 21.88 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.30	B			TOPSOIL: Very soft dark brown slightly sandy slightly gravelly clay with some rootlets. Gravel is subangular to subrounded fine to medium of siltstone.	G.L.		21.88
0.20	D						
0.20	ES				0.30		21.58
0.30- 0.40	B						
0.30	HV		Av=73kPa	Firm fissured mottled brownish grey and orange slightly sandy slightly gravelly CLAY with some decayed rootlets and grey silty sand on fissures. Gravel is subangular to subrounded fine to medium including mudstone, sandstone, quartz and coal.			
0.50	D						
0.50	ES				0.95		20.93
1.00- 1.10	B						
1.00	D						
1.00	ES						
1.30	HV		Av=69kPa	Between 0.30-0.95m, rare lenses (up to 20mm) of sand.			
1.60	D			Firm to stiff fissured locally friable reddish brown mottled grey slightly sandy slightly gravelly CLAY with a low cobble content and grey silty sand on fissures. Gravel is angular to rounded fine to coarse of various lithologies.	1.60		20.28
				Between 0.95-1.60m, some pockets (up to 50mm) of yellow silt.			
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	26/09/2019	Length (C)	2.50			
Shoring	None.	Date Backfilled	26/09/2019	0.20		Seepage, no rise.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	NC
	Backfill details from base of hole: arisings up to ground level.	Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.			18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015		

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B11

Project No


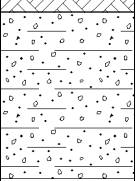

PN194027

Client WSP

National Grid
Coordinates

355159.5 E
390663.1 N

Ground Level 23.01 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.40	B			TOPSOIL: Dark brown very clayey fine to coarse sand with some rootlets.	G.L.		23.01
0.40- 1.00	B			Firm reddish brown slightly sandy slightly gravelly CLAY with some decayed rootlets and pockets of orange fine sand (up to 50mm). Gravel is subangular to rounded fine to coarse of sandstone and coal.	0.40		22.61
0.40	D						
0.40	HV						
0.50	ES						
1.00- 1.50	B			Below 1.00m, low cobble content of sandstone.			
1.00	D						
1.00	ES						
1.50	D				1.50		21.51
1.50	HV			End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	25/09/2019	Length (C)	3.00	0.25		Seepage, no rise.
Shoring	None.	Date Backfilled	25/09/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. Plate load test taken at 0.40mbgl. Backfill details from base of hole: arisings up to ground level.	Logged by	NC
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP



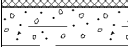
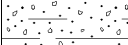

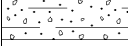




Trial Pit
Project No

TP8B12
PN194027

Client WSP

National Grid
Coordinates 355399.8 E
390789.1 N

Ground Level 21.71 m OD

Samples and Tests				Strata	Scale 1:50				
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD		
0.00- 0.20	B	Av=53kPa		Grass over TOPSOIL: Soft brown slightly gravelly sandy clay with a low cobble content and occasional rootlets. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and limestone.	G.L.		21.71		
0.20- 0.50	B				0.20		21.51		
0.20	D				0.50		21.21		
0.20	ES			MADE GROUND: Soft brown slightly sandy slightly gravelly clay with a medium cobble content. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone, limestone and coal.					
0.50- 1.20	B								
0.50	ES								
0.50- 1.50	HV								
0.70	D			Firm to stiff orangish brown mottled grey slightly sandy slightly gravelly CLAY with a medium cobble content. Gravel is angular to subangular fine to coarse of sandstone, mudstone and limestone.					
1.00	ES								
1.30	D				1.60		20.11		
				At 0.50m, land drain in east end of the pit.					
				At 1.40m, occasional pockets of fine to coarse sand.					
				End of Excavation					

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/09/2019	Length (C)	3.90	1.40		Seepage, no rise.
Shoring	None.	Date Backfilled	23/09/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B13

Project No

PN194027

Client WSP

National Grid
Coordinates

355153.5 E
390744.6 N

Ground Level 22.63 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			TOPSOIL: Soft dark brown slightly sandy clay with some rootlets.	G.L.		22.63
0.00- 0.40	D						
0.20	ES				0.40		22.23
0.40- 1.00	B						
0.40- 1.00	D						
0.50	ES						
0.50	HV		Av=59kPa				
1.00- 1.50	B						
1.00- 1.50	D						
1.00	ES						
1.00	HV		Av=58kPa		1.50		21.13
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.40	Depth Observed	Depth of Pit	Details
Date	26/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	26/09/2019			Seepages within sand pockets.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. Backfill details from base of hole: arisings up to ground level.	Logged by	MM
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP



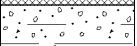
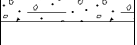
Trial Pit
Project No

TP8B14
PN194027

Client WSP

National Grid
Coordinates 355398.1 E
390832.2 N

Ground Level 21.76 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.20	B			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with a low cobble content. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and limestone.	G.L.		21.76
0.20- 0.80	B				0.20		21.56
0.20	D						
0.20	ES						
0.50	ES						
0.70	D			MADE GROUND: Soft brown slightly gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.	0.80		20.96
0.80- 1.50	B						
0.80- 1.50	HV						
1.00	ES		Av=37kPa	Firm to stiff orangish brown mottled grey slightly sandy gravelly CLAY with a medium cobble content. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and limestone.	1.50		20.26
1.30	D						
				At 0.80m, land drain in north east corner of the pit.			
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	1.10	Depth Observed	Depth of Pit	Details
Date	23/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	23/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP



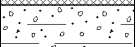
Trial Pit
Project No

TP8B15
PN194027

Client WSP

National Grid
Coordinates 355319.7 E
390834.1 N

Ground Level 22.23 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.20	B	Av=43kPa		Grass over TOPSOIL: Soft brown slightly gravelly sandy clay with a low cobble content and occasional rootlets. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and limestone.	G.L.		22.23
0.20- 0.50	B				0.20		22.03
0.20	D				0.50		21.73
0.20	ES			MADE GROUND: Soft brown slightly sandy slightly gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, mudstone and limestone.			
0.50- 1.20	B						
0.50	ES						
0.50- 1.50	HV						
0.70	D			Firm to stiff orangish brown mottled grey slightly sandy slightly gravelly CLAY with a medium cobble content. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and limestone.			
1.00	ES						
1.30	D				1.50		20.73
				At 0.50m, land drain running across centre of the pit.			
				At 1.40m, occasional pockets of fine to coarse sand.			
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/09/2019	Length (C)	3.00	1.40		Seepage, no rise.
Shoring	None.	Date Backfilled	23/09/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B16

Project No

PN194027

Client WSP


National Grid
Coordinates

355209.7 E
390838.3 N

Ground Level 22.67 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.40	B			TOPSOIL: Very soft dark brown slightly sandy slightly gravelly clay with some rootlets. Gravel is subangular to subrounded fine to medium of siltstone.	G.L.		22.67
0.20	D						
0.20	ES				0.40		22.27
0.40- 0.50	B						
0.40	HV		Av=45kPa	Firm fissured brownish grey mottled yellow slightly sandy slightly gravelly CLAY with grey silty sand on fissures. Gravel is subrounded to rounded medium to coarse including siltstone, quartz and coal.	0.85		21.82
0.50	D						
0.50	ES						
0.90- 1.00	B			Below 0.50m, yellow mottled grey.			
1.00	D						
1.00	ES						
1.40	HV		Av=88kPa	Firm to stiff fissured locally friable orangish brown mottled grey slightly sandy slightly gravelly CLAY with a low cobble content and grey silty sand on fissures. Gravel is subangular to rounded fine to coarse of mudstone, siltstone, quartz and coal.	1.50		21.17
1.50	D						
				Between 0.85-1.50m, some pockets (up to 20mm) of yellow silt.			
				At 0.95m, occasional large pocket (up to 400mm) of sand.			
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.75	Depth Observed	Depth of Pit	Details
Date	26/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	26/09/2019	0.95		Seepage
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	NC
	Backfill details from base of hole: arisings up to ground level.	Figure	1 of 1
Symbols and abbreviations are explained on the accompanying key sheet.			18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015		

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8B17
PN194027

Client WSP

National Grid
Coordinates 355125.1 E
390831.4 N

Ground Level 23.51 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.40	B			TOPSOIL: Very soft dark brown sandy slightly gravelly clay with a low cobble content and rare rootlets. Gravel is subangular to rounded medium to coarse of siltstone and sandstone.	G.L.		23.51
0.20	ES						
0.30	D			Soft to firm fissured grey mottled orange and yellow slightly sandy slightly gravelly CLAY with many decayed rootlets and grey silty sand on fissures. Gravel is subangular to rounded fine to coarse including siltstone, sandstone and quartz.	0.40		23.11
0.40- 0.70	B						
0.40	HV		Av=56kPa				
0.50	D				0.70		22.81
0.50	ES			Firm to stiff fissured slightly sandy slightly gravelly CLAY with a low cobble content and grey silty sand on fissures. Gravel is subangular to subrounded fine to medium of siltstone, sandstone, quartz and coal. Locally friable.			
0.70- 1.00	B						
1.00	D						
1.00	ES				1.50		22.01
1.40- 1.50	B			End of Excavation			
1.40	HV		Av=51kPa				
1.50	D						

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	25/09/2019	Length (C)	3.80			
Shoring	None.	Date Backfilled	25/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. Plate load test undertaken at 0.50mbgl.	Logged by	NC
Symbols and abbreviations are explained on the accompanying key sheet.	Backfill details from base of hole: arisings up to ground level.	Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

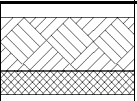


Trial Pit
Project No

TP8B18
PN194027

Client WSP

National Grid
Coordinates 355045.7 E
390839.2 N

Ground Level 24.36 m OD

Samples and Tests				Strata		Scale 1:50	
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				<p>TOPSOIL: Very soft dark brown slightly sandy slightly gravelly clay with some rootlets. Gravel is subangular fine to medium of sandstone.</p> <p>MADE GROUND: Firm yellowish brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded medium to coarse of sandstone.</p> <p>At 0.50m, land drain.</p> <p>End of Excavation</p>	<p>G.L.</p> <p>0.35</p> <p>0.50</p>		<p>24.36</p> <p>24.01</p> <p>23.86</p>
Excavation				Groundwater			
<p>Plant 8 Tonne Tracked Excavator</p> <p>Date 25/09/2019</p> <p>Shoring None.</p> <p>Stability stable during excavation.</p>				<p>Width (B) 0.70</p> <p>Length (C) 3.00</p> <p>Date Backfilled 25/09/2019</p>			
				<p>Depth Observed</p> <p>Depth of Pit</p> <p>Details</p> <p>None encountered.</p>			
<p>Remarks  No samples taken as the Trial Pit was terminated at a depth of 0.50m on encountering a land drain. Excavator moved 2m north to TP8B18A.</p> <p>Backfill details from base of hole: arisings up to ground level.</p> <p>Symbols and abbreviations are explained on the accompanying key sheet.</p> <p>All dimensions are in metres.</p>				<p>Logged by NC</p> <p>Figure 1 of 1</p> <p>18/12/2019</p> <p></p>			

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B18A

Project No




PN194027

Client WSP


National Grid
Coordinates

355056.9 E
390839.2 N

Ground Level 24.31 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.30	B			TOPSOIL: Very soft dark brown sandy clay with rare rootlets.	G.L.		24.31
0.20	D				0.35		23.96
0.20	ES						
0.35	D				0.85		23.46
0.35	HV		Av=64kPa	MADE GROUND: Firm to stiff fissured orange brown mottled grey slightly sandy slightly gravelly clay with a low cobble content and grey silty sand on fissures. Gravel is subangular to rounded fine to coarse of siltstone and quartz.			
0.40- 0.80	B			At 0.85m, land drain.			
0.50	ES			End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.70	Depth Observed	Depth of Pit	Details
Date	25/09/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	25/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	The Trial Pit was terminated at a depth of 0.85m on encountering a land drain. ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. Backfill details from base of hole: arisings up to ground level.					Logged by	NC
Symbols and abbreviations are explained on the accompanying key sheet.						Figure	1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015						

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8B18B

Project No

PN194027

Client WSP

National Grid Coordinates 355052.2 E
390839.2 N

Ground Level 24.13 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.10- 0.40	B			Grass over TOPSOIL: Greyish brown sandy slightly gravelly silt with many rootlets. Gravel is subangular to subrounded fine to coarse of mudstone, sandstone and limestone.	G.L.		24.13
0.10	D				0.10		24.03
0.20	D						
0.20	ES				0.40		23.73
0.40- 0.80	B						
0.40	D			Soft greyish brown slightly sandy slightly gravelly SILT. Gravel is subangular to subrounded fine to coarse of mudstone, siltstone and sandstone.			
0.50	ES						
1.00	ES						
1.30- 1.50	B			Soft to firm orangish brown mottled grey and brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of mudstone, siltstone and sandstone.			
1.50	D				1.50		22.63
				Below 1.10m, occasional lenses (up to 50mm) of grey fine to medium silty sand.			
				End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	27/09/2019	Length (C)	2.50			
Shoring	None.	Date Backfilled	27/09/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. Backfill details from base of hole: arisings up to ground level.	Logged by	JD
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


Trial Pit
Project No

TP8B19
PN194027


Client WSP

National Grid
Coordinates 355389.0 E
390913.1 N

Ground Level 21.31 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
				Crops over TOPSOIL: Very soft brown sandy gravelly clay with some rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and quartz.	G.L.		21.31
				End of Excavation	0.40		20.91

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	01/10/2019	Length (C)	2.50			
Shoring	None.	Date Backfilled	01/10/2019			Fast inflow from ground surface flooding trial pit.
Stability	stable during excavation.					

Remarks	No samples taken as the Trial Pit was terminated at 0.40m depth due to groundwater inflow flooding the pit. Excavator moved 20m to the north to TP8B19A.					Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.						Figure	1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015						

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

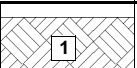
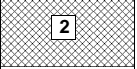
Trial Pit
Project No

TP8B19A
PN194027


Client WSP

National Grid
Coordinates 355374.3 E
390912.0 N

Ground Level 21.24 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Very soft brown sandy gravelly clay with some rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and quartz.	G.L.		21.24
0.40- 0.90 0.40 0.50 0.60 0.80 1.00	B D ES HV D ES		Av=64kPa	MADE GROUND: Soft to firm orangish brown mottled grey slightly gravelly sandy clay with many pockets (up to 10mm) of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal. At 0.80m, land drain encountered, running NE to SW. End of Excavation	0.40 0.90		20.84 20.34

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	01/10/2019	Length (C)	2.50	0.80		Fast inflow from land drain.
Shoring	None.	Date Backfilled	01/10/2019			
Stability	Stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. The Trial Pit was terminated at a depth of 0.90m due to water inflow from land drain flooding the pit.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015		

Trial Pit

Project OMEGA DEVELOPMENT GI


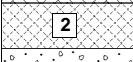

Engineer WSP

Trial Pit	TP8B20
Project No	PN194027


Client	WSP
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National Grid	355279.1	E
Coordinates	390824.9	N

Ground Level 22.55 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with a low cobble content of concrete. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and brick fragments. Some rootlets.	G.L.		22.55
0.40- 0.70 0.40 0.40 0.50	B D HV ES		Av=55kPa	POSSIBLE MADE GROUND: Soft to firm brown sandy gravelly clay. Gravel is subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	0.40 0.70		22.15 21.85
0.70- 1.70 0.70 1.00	B D ES		Av=73kPa	Firm to stiff orangish brown mottled grey slightly gravelly sandy CLAY with a low cobble content and some pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.40 1.50 1.70- 2.70	HV D B		Av=120+kPa	Below 2.40m, very stiff.			
2.00	D			End of Excavation	2.70		19.85

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	01/10/2019	Length (C)	2.50			None encountered.
Shoring	None.	Date Backfilled	01/10/2019			
Stability	Stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars. The Trial Pit was terminated at 2.70m depth due to the stiffness of the clay.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015		

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


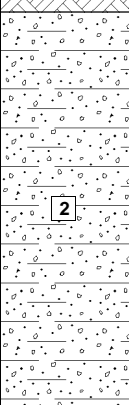
Trial Pit
Project No

TP8C01
PN194027

Client WSP

National Grid
Coordinates 355192.9 E
389954.3 N

Ground Level 20.98 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly silt with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz. Many rootlets.	G.L.		20.98
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=71kPa		Firm to stiff orangish brown sandy gravelly CLAY with a medium cobble content and some pockets of grey fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.58
1.40- 2.40 1.40 1.50	B HV D	Av=130+kPa		Between 0.70-2.00m, large pocket of grey fine to coarse sand. Below 1.60m, stiff, brown.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=47kPa		Below 2.40m, locally friable and fissured.			
3.00	D			End of Excavation	3.00		17.98

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	07/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	07/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer WSP

Trial Pit	TP8C02
Project No	PN194027

Client	WSP
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National Grid	355012.6	E
Coordinates	390317.5	N

Ground Level 21.74 m OD

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TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8C03




Project No

PN194027

Client WSP

National Grid Coordinates 355145.3 E
390252.5 N

Ground Level 21.05 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		21.05
0.40- 0.90 0.40 0.40 0.50	B D HV ES		Av=57kPa	MADE GROUND: Firm to stiff orangish brown sandy gravelly clay with a low cobble content and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.65
0.90- 1.50 0.90 1.00	B D ES		mc=12% mc=14%	Stiff brown sandy gravelly CLAY with a low cobble content and occasional pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.90		20.15
1.40 1.50	HV D		Av=130+kPa	At 0.90m, land drain encountered, running N to S. End of Excavation	1.50		19.55

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	11/10/2019	Length (C)	1.50			
Shoring	None.	Date Backfilled	11/10/2019			Slow inflow from land drain.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


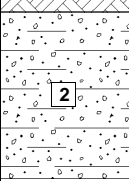
Trial Pit
Project No

TP8C04
PN194027

Client WSP

National Grid
Coordinates 354799.8 E
390162.8 N

Ground Level 23.02 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone, quartz and brick fragments.	G.L.		23.02
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=58kPa		Firm to stiff yellowish brown sandy gravelly CLAY with a low cobble content and some pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and coal.	0.40		22.62
1.40 1.50	HV D	Av=59kPa		End of Excavation	1.50		21.52

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	10/10/2019	Length (C)	1.00			
Shoring	None.	Date Backfilled	10/10/2019			Inflow from ground level.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

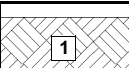
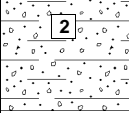
Trial Pit
Project No

TP8C05
PN194027

Client WSP

National Grid
Coordinates 355064.4 E
390095.5 N

Ground Level 20.34 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with a high cobble content and many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		20.34
0.40- 1.40 0.40 0.40 0.50 1.00	B D HV ES D	Av=92kPa			0.40		19.94
1.40 1.50	HV D	Av=130+kPa		Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
				End of Excavation	1.50		18.84

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	11/10/2019	Length (C)	1.50	0.40		Slow inflow
Shoring	None.	Date Backfilled	11/10/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


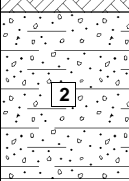
Trial Pit
Project No

TP8C06
PN194027

Client WSP

National Grid
Coordinates 354903.4 E
390092.9 N

Ground Level 21.10 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown slightly sandy gravelly clay with many rootlets. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.10
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		mc=14% mc=19% Av=35kPa	Firm to stiff orangish brown slightly gravelly to gravelly sandy CLAY, in places grading to clayey silt. Low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and coal.	0.40		20.70
1.40 1.50	HV D		Av=98kPa	End of Excavation	1.50		19.60

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	10/10/2019	Length (C)	1.00			
Shoring	None.	Date Backfilled	10/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


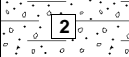
Trial Pit
Project No

TP8C07
PN194027


Client WSP

National Grid
Coordinates 354997.9 E
389922.5 N

Ground Level 19.66 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		19.66
0.20	ES				0.40		19.26
0.40- 1.40	B		mc=15%	Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content. Many rootlets and some pockets of brown fine to coarse sand. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
0.40	D		mc=29%				
0.40	HV		Av=52kPa				
0.50	ES						
1.00	D						
1.00	ES						
1.40	HV		Av=74kPa		1.50		18.16
1.50	D			End of Excavation			

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	11/10/2019	Length (C)	1.50			
Shoring	None.	Date Backfilled	11/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.			18/12/2019
Logged in accordance with BS5930:2015			

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


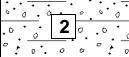

Trial Pit
Project No

TP8C08
PN194027

Client WSP

National Grid
Coordinates 354963.6 E
390372.9 N

Ground Level 23.12 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with a low cobble content and many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		23.12
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=52kPa		Firm to stiff orangish brown slightly sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		22.72
1.40 1.50	HV D	Av=76kPa		End of Excavation	1.50		21.62

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	11/10/2019	Length (C)	1.50			
Shoring	None.	Date Backfilled	11/10/2019			None encountered.
Stability	Stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D01

Project No


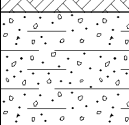
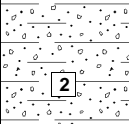
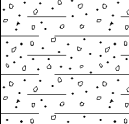
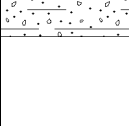

PN194027

Client WSP

National Grid
Coordinates

355379.0 E
389919.6 N

Ground Level 20.57 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.57
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=68kPa		Firm to stiff brown mottled grey sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.17
1.40- 2.40 1.40 1.50	B HV D	Av=130+kPa mc=11%		At 1.50m, large sandstone boulder.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=130+kPa		Below 2.40m, stiff, brown, very gravelly. At 2.60m, large pocket (400mm) of yellow fine to coarse sand.			
3.00	D			End of Excavation	3.00		17.57

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	04/10/2019	Length (C)	3.00	2.60		Inflow from sand pocket.
Shoring	None.	Date Backfilled	04/10/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

Trial Pit

Project OMEGA DEVELOPMENT GI



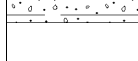
Engineer WSP

Trial Pit	TP8D02
Project No	PN194027

Client	WSP
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National Grid	355328.8	E
Coordinates	389924.5	N

Ground Level 20.80 m OD

Samples and Tests				Strata	Scale 1:50			
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
0.00- 0.40	B			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.80	
0.20	ES				0.40			20.40
0.40- 1.40	B		Av=84kPa		Firm to stiff orangish brown mottled grey sandy gravelly CLAY with a medium cobble content and rare pockets (up to 10mm) of silt. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
0.40	D							
0.40	HV							
0.50	ES							
1.00	D							
1.00	ES							
1.40- 2.40	B		Av=123kPa	Below 1.10m, stiff. brown.				
1.40	HV							
1.50	D			Below 1.80m, very gravelly.				
2.00	D							
2.40- 3.00	B		Av=130+kPa	At 2.70m, boulder.				
2.40	HV							
2.50	D							
2.70	D							
3.00	D							
				End of Excavation	3.00		17.80	

Trial Pit

Project OMEGA DEVELOPMENT GI



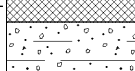
Engineer WSP

Trial Pit	TP8D03
Project No	PN194027

Client	WSP
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National Grid	355327.6	E
Coordinates	389876.2	N

Ground Level 19.66 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L. 0.40	 1	19.66 19.26
0.40- 1.00 0.40 0.40 0.50 1.00- 2.00 1.00 1.00	B D HV ES B D ES		Av=43kPa	MADE GROUND: Firm to stiff orangish brown sandy gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz, coal and clay pipe fragments.	 1.00	 2  3	 18.66
1.40 1.50	HV D		Av=47kPa mc=14%	At 0.90m, land drain encountered, running NE to SW.			
2.00- 3.00 2.00	B D			Stiff orangish brown sandy gravelly CLAY with a medium cobble content and occasional pockets of black organic clay. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
2.40 2.50	HV D		Av=130+kPa				
3.00	D			End of Excavation	3.00		16.66

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	03/10/2019	Length (C)	3.00	0.90		Slow inflow from land drain.
Shoring	None.	Date Backfilled	03/10/2019			
Stability	stable during excavation.					

Remarks

 ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.


Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019



TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D04

Project No

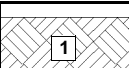
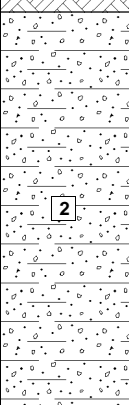
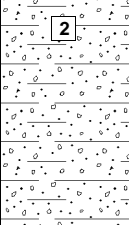
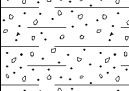
PN194027

Client WSP


National Grid
Coordinates

355268.1 E
389927.8 N

Ground Level 20.87 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly silt with many rootlets. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.87
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=58kPa		Firm to stiff orangish brown mottled grey sandy gravelly CLAY with a medium cobble content and some pockets of yellow silt. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	0.40		20.47
1.40- 2.40 1.40 1.50	B HV D	Av=80kPa		Below 1.50m, stiff, brown.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=130+kPa		Below 2.60m, locally friable and fissured.			
3.00	D			End of Excavation	3.00		17.87

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	04/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	04/10/2019			Some seepages from silt pockets.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.


Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019



TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D05

Project No




PN194027

Client WSP

National Grid
Coordinates

355331.0 E
389969.6 N

Ground Level 21.43 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with a low cobble content and many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.43
0.40- 0.80 0.40 0.40	B D HV				0.40		21.03
0.50- 1.80 0.80 1.00	ES B D ES	Av=66kPa		MADE GROUND: Firm to stiff orangish brown sandy gravelly clay with a low cobble content and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, quartz, coal and clay pipe fragments.	0.80		20.63
1.40- 2.80 1.50 2.00	HV D B D	Av=50kPa		Stiff brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal. At 0.80m, land drain encountered, running N to S.			
2.40- 3.00 2.50	HV D	Av=130+kPa					
3.00	D			End of Excavation	3.00		18.43

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	04/10/2019	Length (C)	3.00	0.80		Slow inflow from land drain.
Shoring	None.	Date Backfilled	04/10/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

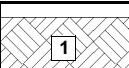
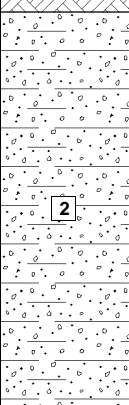
Trial Pit
Project No

TP8D06
PN194027

Client WSP

National Grid
Coordinates 355270.0 E
389974.3 N

Ground Level 21.51 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.51
0.40- 1.30 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=62kPa	Firm to stiff orangish brown mottled grey sandy gravelly CLAY with a low cobble content and occasional pockets of grey fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		21.11
1.30- 2.30 1.40 1.50	B HV D		Av=75kPa	Below 1.30m, stiff, brown.			
2.00	D						
2.30- 3.00 2.40 2.50	B HV D		Av=130+kPa	Below 2.50m, locally friable and fissured.			
3.00	D			End of Excavation	3.00		18.51

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	07/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	07/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D07

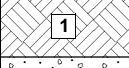

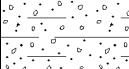


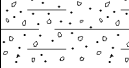
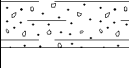
Project No

PN194027

Client WSP

National Grid Coordinates 355213.8 E
389978.8 N

Ground Level 21.40 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly silt with many rootlets. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.40
0.40- 0.80 0.40 0.40	B D HV				0.40		21.00
0.50- 1.80 0.80 1.00	ES B D ES	Av=64kPa		Firm orangish brown mottled grey sandy gravelly CLAY with pockets of greyish brown silt and occasional rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	0.80		20.60
1.40- 1.50	HV D	Av=130+kPa		Firm brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.80- 2.80 2.00	B D			Below 2.10m, very gravelly. Occasional pockets of grey fine to coarse sand.			
2.40- 2.50	HV D	Av=130+kPa					
3.00	D			End of Excavation	3.00		18.40

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	07/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	07/10/2019			Seepages from sand pockets.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


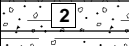
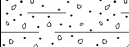
Trial Pit
Project No

TP8D08
PN194027

Client WSP

National Grid
Coordinates 355186.4 E
390024.9 N

Ground Level 21.31 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.31
0.40- 0.60 0.40	B D				0.40		20.91
0.40- 0.60 0.40	B HV				0.60		20.71
0.50- 1.60 0.50	ES		Av=43kPa	Firm to stiff yellow mottled grey sandy gravelly CLAY. Gravel is subrounded fine to medium of sandstone and mudstone.			
0.60- 1.60 0.60	B D						
1.00- 2.40 1.00	ES						
1.40- 2.40 1.40	HV		Av=58kPa	Stiff brown sandy gravelly CLAY with a low cobble content and occasional pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.50- 2.40 1.50	D						
1.60- 2.40 1.60	B						
2.00- 2.50 2.00	D						
2.40- 2.50 2.40	HV D		Av=130+kPa				
2.50- 3.00 2.50	D						
3.00- 3.00 3.00	D			End of Excavation	3.00		18.31

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	08/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	08/10/2019			Inflow from surface water.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer WSP

Trial Pit	TP8D09
Project No	PN194027

Client	WSP
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National Grid	355223.1	E
Coordinates	390016.2	N

Ground Level 21.52 m OD

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Trial Pit

Project OMEGA DEVELOPMENT GI


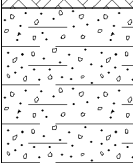
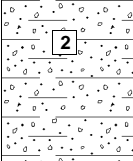
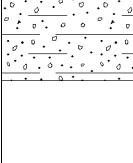
Engineer WSP

Trial Pit	TP8D10
Project No	PN194027

Client	WSP
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National Grid	355325.3	E
Coordinates	390019.5	N

Ground Level 21.44 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown sandy gravelly clay with a low cobble content and many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		21.44
0.20	ES				0.40		
0.40- 1.40	B		Av=48kPa	Firm to stiff brown mottled grey sandy gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
0.40	D						
0.40	HV						
0.50	ES						
1.00	D						
1.00	ES						
1.40- 2.40	B		Av=76kPa	Below 1.60m, stiff, brown.			
1.40	HV						
1.50	D						
2.00	D						
2.40- 3.00	B		Av=118kPa	Below 2.40m, very gravelly.			
2.40	HV						
2.50	D						
3.00	D						
				End of Excavation	3.00		18.44

Trial Pit

Project OMEGA DEVELOPMENT GI




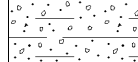
Engineer WSP

Trial Pit	TP8D11
Project No	PN194027

Client	WSP
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National Grid	355390.8	E
Coordinates	390015.9	N

Ground Level 21.61 m OD

Samples and Tests				Strata		Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
0.00- 0.40	B			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.61	
0.20	ES				0.40			21.21
0.40- 1.40	B		Av=77kPa	Firm to stiff brown sandy gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.				
0.40	D							
0.40	HV							
0.50	ES							
1.00	D							
1.00	ES							
1.40- 2.40	B		Av=81kPa					
1.40	HV							
1.50	D							
2.00	D							
2.40- 3.00	B		Av=130+kPa					
2.40	HV							
2.50	D							
3.00	D				3.00		18.61	
				End of Excavation				

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	08/10/2019	Length (C)	3.00			None encountered.
Shoring	None.	Date Backfilled	08/10/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP



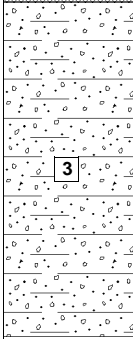
Trial Pit
Project No

TP8D12
PN194027


Client WSP

National Grid	355376.3	E
Coordinates	390078.6	N

Ground Level 21.43 m OD

Samples and Tests				Strata		Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly silt with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L. 0.40		21.43 21.03	
0.40- 0.80 0.40 0.40 0.50 0.80- 1.80 0.80 1.00	B D HV ES B D ES		Av=70kPa mc=18%	MADE GROUND: Firm orangish brown mottled grey sandy gravelly clay with a low cobble content and occasional pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	0.80	 	20.63	
1.40 1.50	HV D		Av=69kPa	Stiff brown slightly gravelly to gravelly sandy CLAY, in places grading to clayey silt. Medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.				
1.80- 2.80 2.00	B D			At 0.80m, land drain encountered, running NE to SW.				
2.40 2.50	HV D		Av=130+kPa					
3.00	D			End of Excavation	3.00		18.43	

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	03/10/2019	Length (C)	3.00	0.80		Fast inflow from land drain.
Shoring	None.	Date Backfilled	03/10/2019			
Stability	stable during excavation.					


Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged by JN

Figure 1 of 1
18/12/2019



Logged in accordance with BS5930:2015

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP




Trial Pit
Project No

TP8D13
PN194027

Client WSP

National Grid
Coordinates 355331.5 E
390070.3 N

Ground Level 21.56 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with a low cobble content and many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		21.56
0.40- 0.70 0.40	B D				0.40		21.16
0.40 0.50	HV ES	Av=65kPa		MADE GROUND: Firm to stiff orangish brown and grey sandy gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and rare coal fragments.	0.70		20.86
0.70- 1.70 0.70	B D			At 0.50m, large pocket (400mm) of brown fine to coarse sand.			
1.00	ES						
1.40	HV	Av=74kPa		At 0.70m, land drain encountered, running NE to SW.			
1.50	D						
1.70- 2.70	B						
2.00	D			Stiff brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and coal.			
2.40	HV	Av=130+kPa		Below 2.00m, very gravelly.			
2.50	D						
3.00	D			End of Excavation	3.00		18.56

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	08/10/2019	Length (C)	3.00	0.70		Slow inflow from land drain.
Shoring	None.	Date Backfilled	08/10/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

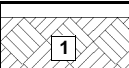
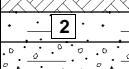
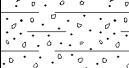
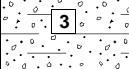

Trial Pit
Project No

TP8D14
PN194027

Client WSP

National Grid
Coordinates 355231.9 E
390066.3 N

Ground Level 21.37 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		21.37
0.40- 0.60 0.40	B D			Firm to stiff orangish brown very sandy CLAY with occasional rootlets.	0.40		20.97
0.40 0.50	HV ES		Av=67kPa		0.60		20.77
0.60- 1.60 0.60	B D			Stiff brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.00	ES						
1.40	HV		Av=68kPa				
1.50	D						
1.60- 2.60	B						
2.00	D						
2.40	HV		Av=130+kPa				
2.50	D						
3.00	D			End of Excavation	3.00		18.37

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	08/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	08/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

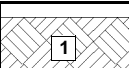
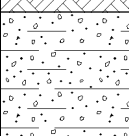
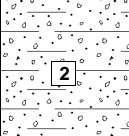
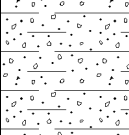


Trial Pit
Project No

TP8D15
PN194027



Client WSP

National Grid
Coordinates 355367.9 E
390122.8 N

Ground Level 21.08 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly silt with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		21.08
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=50kPa		Firm to stiff orangish brown mottled grey sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and coal. Some small pockets of orangish brown fine to coarse sand.	0.40		20.68
1.40- 2.40 1.40 1.50	B HV D	Av=70kPa		Below 1.40m, stiff, brown.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=60kPa					
3.00	D			End of Excavation	3.00		18.08

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	09/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	09/10/2019			Seepages from sand pockets.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by JN
Symbols and abbreviations are explained on the accompanying key sheet.	Figure 1 of 1
All dimensions are in metres.	18/12/2019
Logged in accordance with BS5930:2015	

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8D16
PN194027

Client WSP

National Grid
Coordinates 355322.5 E
390122.7 N

Ground Level 21.09 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L.		21.09
0.20	ES				0.40		
0.40- 1.00	B			MADE GROUND: Firm to stiff orangish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and rare fragments of clay pipe.	1.00		20.09
0.40	D						
0.40	HV		Av=48kPa				
0.50	ES						
1.00- 2.00	B			Stiff brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and coal.			
1.00	D						
1.00	ES						
1.40	HV		Av=60kPa				
1.50	D						
2.00- 3.00	B			At 1.00m, land drain encountered, running E to W.			
2.00	D						
2.40	HV		Av=78kPa				
2.50	D						
3.00	D			End of Excavation	3.00		18.09

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	09/10/2019	Length (C)	3.00	1.00		Inflow from land drain.
Shoring	None.	Date Backfilled	09/10/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

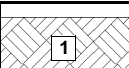
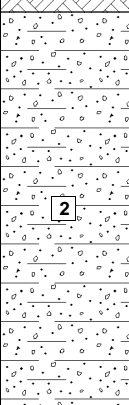
Trial Pit
Project No

TP8D17
PN194027



Client WSP

National Grid
Coordinates 355263.9 E
390126.1 N

Ground Level 20.93 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.93
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=73kPa	Firm to stiff brown mottled grey sandy gravelly CLAY with a medium cobble content and rare pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.53
1.40- 2.40 1.40 1.50	B HV D		Av=130+kPa mc=13%	Below 1.70m, stiff, very gravelly. Locally friable.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D		Av=130+kPa				
3.00	D			End of Excavation	3.00		17.93

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	03/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	03/10/2019			None encountered.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by JN
Symbols and abbreviations are explained on the accompanying key sheet.	Figure 1 of 1
All dimensions are in metres.	18/12/2019
Logged in accordance with BS5930:2015	

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

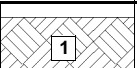
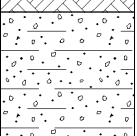
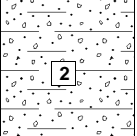
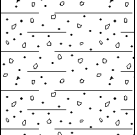
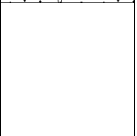
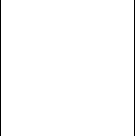
Trial Pit
Project No

TP8D18
PN194027


Client WSP

National Grid
Coordinates 355377.5 E
390176.7 N

Ground Level 20.62 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.62
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=57kPa		Firm to stiff orangish brown mottled grey sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.22
1.40- 2.40 1.40 1.50	B HV D	Av=78kPa		Below 1.20m, stiff, brown, very gravelly.			
2.00	D						
2.40- 3.00 2.50	B D						
3.00	D			End of Excavation	3.00		17.62

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	09/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	09/10/2019			None encountered.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.


Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019



Trial Pit

Project OMEGA DEVELOPMENT GI


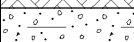
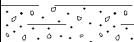
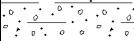
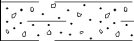



Engineer WSP

Trial Pit	TP8D19
Project No	PN194027

Client	WSP
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National Grid	355268.6	E
Coordinates	390169.5	N

Ground Level 20.84 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly gravelly sandy clay with some rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone and mudstone.	G.L. 0.40		20.84 20.44
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=40kPa	Firm to stiff brown slightly sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and coal.			
1.40- 2.40 1.40 1.50	B HV D		Av=81kPa	Between 0.70-3.00m, occasional boulders of sandstone and mudstone.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D		Av=130+kPa	Below 2.40m, medium cobble content.			
3.00	D			End of Excavation	3.00		17.84
Excavation				Groundwater			
Plant 8 Tonne Tracked Excavator				Width (B) 0.80	Depth Observed	Depth of Pit	Details
Date 09/10/2019				Length (C) 3.00			
Shoring None.				Date Backfilled 09/10/2019			None encountered.
Stability stable during excavation.							
Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.				Logged by JN			
Symbols and abbreviations are explained on the accompanying key sheet.				Figure 1 of 1 18/12/2019			
All dimensions are in metres.							
Logged in accordance with BS5930:2015							

Trial Pit

Project OMEGA DEVELOPMENT GI


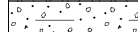
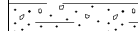
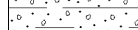

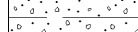
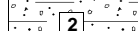

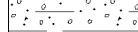
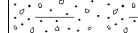
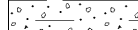
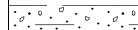
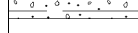































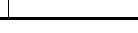
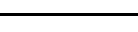




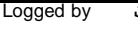

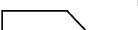
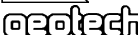
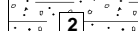

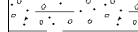
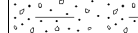
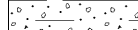
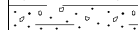
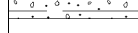































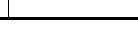
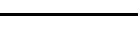




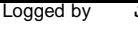

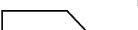
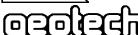
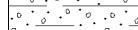
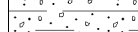
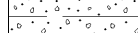
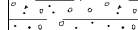
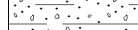





































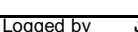

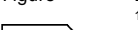
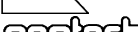

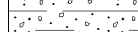
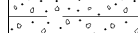
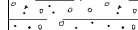
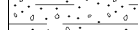





































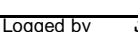

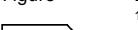
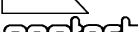

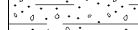





































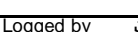

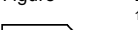
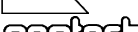

Engineer WSP

Trial Pit	TP8D20
Project No	PN194027

Client	WSP
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National Grid	355230.5	E
Coordinates	390170.2	N

Ground Level 20.89 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L. 0.40		20.89 20.49
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=55kPa	Firm to stiff brown slightly sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and coal. At 1.20m, large pocket of brown fine to coarse sand.		                                                     	
1.40- 2.40 1.40 1.50	B HV D		Av=130+kPa	Below 2.10m, stiff, very gravelly. Locally fissured and friable.		                                                	
2.00	D			Below 2.10m, stiff, very gravelly. Locally fissured and friable.		                                               	
2.40- 3.00 2.40 2.50	B HV D		Av=130+kPa			                                              	
3.00	D			End of Excavation	3.00	                                           	

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	09/10/2019	Length (C)	3.00			None encountered.
Shoring	None.	Date Backfilled	09/10/2019			
Stability	Stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

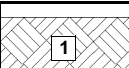
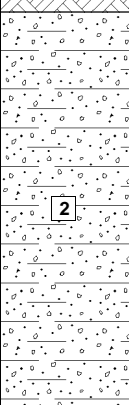
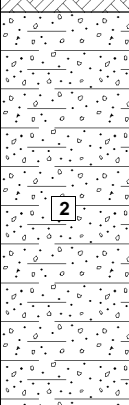
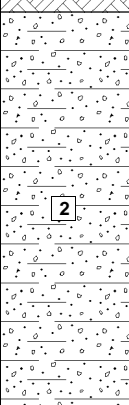
Trial Pit
Project No

TP8D21
PN194027



Client WSP

National Grid
Coordinates 355269.0 E
390223.3 N

Ground Level 20.22 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.22
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=67kPa			0.40		19.82
1.40- 2.40 1.40 1.50	B HV D	Av=130+kPa		Firm to stiff orangish brown slightly sandy gravelly CLAY with a low cobble content and rare pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=130+kPa		End of Excavation			
3.00	D				3.00		17.22

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	16/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	16/10/2019			Inflow from ground level.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by JN
Symbols and abbreviations are explained on the accompanying key sheet.	Figure 1 of 1
All dimensions are in metres.	18/12/2019
Logged in accordance with BS5930:2015	

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


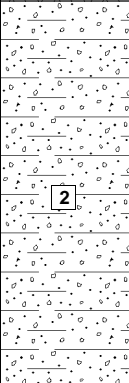
Trial Pit
Project No

TP8D22
PN194027

Client WSP

National Grid
Coordinates 355324.4 E
390220.8 N

Ground Level 20.49 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.49
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=59kPa		Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content and rare pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.09
1.40- 2.40 1.40 1.50	B HV D	Av=89kPa					
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=130+kPa		Below 2.40m, locally friable and fissured.			
3.00	D			End of Excavation	3.00		17.49

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	16/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	16/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

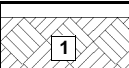
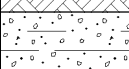
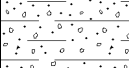
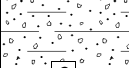

Trial Pit
Project No

TP8D23
PN194027

Client WSP

National Grid
Coordinates 355376.0 E
390224.5 N

Ground Level 20.34 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown slightly sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.34
0.20	ES				0.40		19.94
0.40- 1.40	B			Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content and rare pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
0.40	D						
0.40	HV		Av=53kPa				
0.50	ES						
1.00	D			Below 2.30m, locally fissured and friable.			
1.00	ES						
1.40- 2.40	B						
1.40	HV		Av=67kPa				
1.50	D			End of Excavation			
2.00	D						
2.40- 3.00	B						
2.40	HV		Av=130+kPa				
2.50	D			End of Excavation			
3.00	D				3.00		17.34

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	16/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	16/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D24

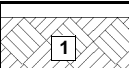

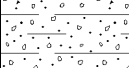

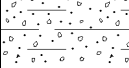
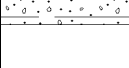

Project No

PN194027



Client WSP

National Grid Coordinates 355378.3 E
390271.8 N

Ground Level 20.40 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.40
0.40- 0.90 0.40 0.40 0.50	B D HV ES	Av=57kPa		Firm to stiff yellowish brown sandy gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40 0.90		20.00 19.50
0.90- 1.90 0.90 1.00	B D ES			Stiff brown slightly sandy gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.40 1.50	HV D	Av=96kPa					
1.90- 2.90 2.00	B D						
2.40 2.50	HV D	Av=130+kPa		At 2.70m, large boulders of sandstone and mudstone.			
3.00	D			End of Excavation	3.00		17.40

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	17/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	17/10/2019			None encountered.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by JN
Symbols and abbreviations are explained on the accompanying key sheet.	Figure 1 of 1
All dimensions are in metres.	18/12/2019
Logged in accordance with BS5930:2015	

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

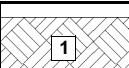

Trial Pit
Project No

TP8D25
PN194027



Client WSP

National Grid
Coordinates 355316.1 E
390272.2 N

Ground Level 20.40 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.40
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=68kPa			0.40		20.00
1.40- 2.40 1.40 1.50	B HV D	Av=89kPa		Firm to stiff orangish brown slightly sandy gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=130+kPa		Below 1.90m, stiff, locally fissured and friable.			
3.00	D						
				End of Excavation	3.00		17.40

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	17/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	17/10/2019			None encountered.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by JN
Symbols and abbreviations are explained on the accompanying key sheet.	Figure 1 of 1
All dimensions are in metres.	18/12/2019
Logged in accordance with BS5930:2015	

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D26

Project No

PN194027

Client WSP

National Grid
Coordinates

355279.1 E
390270.6 N

Ground Level 20.44 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown slightly sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.44
0.20	ES				0.40		
0.40- 1.40	B			Firm to stiff brown sandy gravelly CLAY with a medium cobble content and occasional pockets of yellow fine to coarse sand. Gravel is angular to subrounded of sandstone, siltstone, mudstone, quartz and coal.			
0.40	D						
0.40	HV		Av=60kPa				
0.50	ES						
1.00	D						
1.00	ES						
1.40- 2.40	B			Below 1.90m, stiff.			
1.40	HV		Av=73kPa				
1.50	D						
2.00	D						
2.40- 3.00	B			End of Excavation			
2.40	HV		Av=130+kPa				
2.50	D						
3.00	D				3.00		17.44

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	17/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	17/10/2019			Inflow from ground level.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D27

Project No


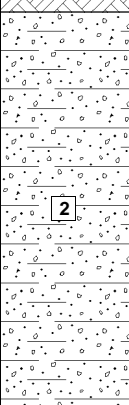
PN194027

Client WSP


National Grid
Coordinates

355230.7 E
390272.5 N

Ground Level 20.51 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.51
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=58kPa		Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content and occasional pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.11
1.40- 2.40 1.40 1.50	B HV D	Av=61kPa					
2.00	D			Below 2.10m, stiff, locally fissured and friable.			
2.40- 3.00 2.40 2.50	B HV D	Av=130+kPa					
3.00	D			End of Excavation	3.00		17.51

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	17/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	17/10/2019			None encountered.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.


Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019



Trial Pit

Project OMEGA DEVELOPMENT GI

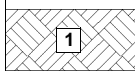
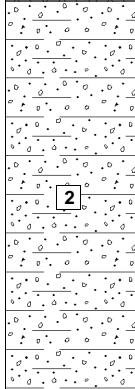
Engineer WSP

Trial Pit	TP8D28
Project No	PN194027

Client	WSP
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National Grid	355227.7	E
Coordinates	390317.5	N

Ground Level 20.84 m OD

Samples and Tests				Strata		Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD	
0.00- 0.40 0.20	B ES			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L. 0.40		20.84 20.44	
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=48kPa	Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal. Below 1.10m, occasional pockets of grey silt.				
1.40- 2.40 1.40 1.50	B HV D		Av=82kPa					
2.00	D							
2.40- 3.00 2.40 2.50	B HV D		Av=130+kPa					
3.00	D			End of Excavation	3.00		17.84	

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	17/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	17/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1 18/12/2019
All dimensions are in metres.	Logged in accordance with BS5930:2015		



TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D29

Project No




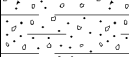

PN194027

Client WSP

National Grid
Coordinates

355265.4 E
390319.5 N

Ground Level 20.67 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40	B			Grass over TOPSOIL: Soft brown slightly sandy slightly gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		20.67
0.20	ES				0.40		20.27
0.40- 1.40	B			Firm to stiff orangish brown sandy gravelly CLAY with a low cobble content and rare pockets of grey silt. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
0.40	D						
0.40	HV						
0.50	ES						
1.00	D			Below 2.10m, locally fissured and friable.			
1.00	ES						
1.40- 2.40	B						
1.40	HV						
1.50	D			End of Excavation			
2.00	D						
2.40- 3.00	B						
2.40	HV						
2.50	D			End of Excavation			
3.00	D						
				End of Excavation	3.00		17.67

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	18/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	18/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit
Project No

TP8D30
PN194027

Client WSP

National Grid
Coordinates 355326.2 E
390373.8 N

Ground Level 21.06 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.06
0.40- 0.80 0.40 0.40	B D HV		Av=81kPa	PROBABLE MADE GROUND: Firm to stiff orangish brown mottled grey sandy gravelly clay with a low cobble content and some pockets of brown silt. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.66
0.50- 1.80 0.80 1.00	ES B D ES		mc=13% mc=19%		0.80		20.26
1.40- 2.80 1.50 2.00	HV D B D		Av=99kPa				
2.40- 2.50 2.50	HV D		Av=102kPa				
3.00	D			End of Excavation	3.00		18.06

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	03/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	03/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D31

Project No


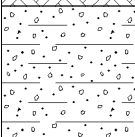
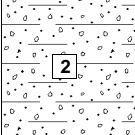
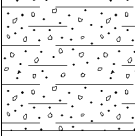
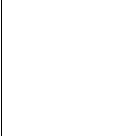
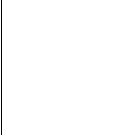
PN194027

Client WSP

National Grid
Coordinates

355284.3 E
390376.8 N

Ground Level 21.06 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.06
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=54kPa		Firm to stiff yellowish brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.66
1.40- 2.40 1.40 1.50	B HV D	Av=64kPa		Between 0.40-0.70m, some rootlets. Below 1.40m, stiff, brown.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=123kPa					
3.00	D			End of Excavation	3.00		18.06

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	02/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	02/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D32




Project No

PN194027

Client WSP

National Grid Coordinates 355228.0 E
390376.4 N

Ground Level 21.12 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.12
0.40- 0.60 0.40 0.40	B D HV				0.40		20.72
0.40- 0.60 0.50	ES	Av=40kPa		MADE GROUND: Firm to stiff brown sandy gravelly clay with a low cobble content and occasional pockets of fine to coarse yellow sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.60		20.52
0.60- 1.60 0.60 1.00	B D ES						
1.40- 1.50 1.50	HV D	Av=63kPa		Stiff brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.60- 2.60 2.00	B D			At 0.60m, land drain encountered, running NE to SW.			
2.40- 2.50 2.50	HV D	Av=107kPa		Below 2.20m, locally fissured and friable.			
3.00	D			End of Excavation	3.00		18.12

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	02/10/2019	Length (C)	3.00	0.60		Slow inflow from land drain.
Shoring	None.	Date Backfilled	02/10/2019			
Stability	Stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D33

Project No

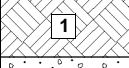

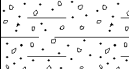


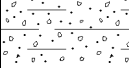
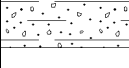

PN194027

Client WSP

National Grid
Coordinates

355126.4 E
390370.8 N

Ground Level 21.72 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subangular fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.72
0.40- 0.80 0.40 0.40 0.50	B D HV ES	Av=61kPa		Firm to stiff yellowish brown mottled grey sandy gravelly CLAY with many pockets of greyish brown silt. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	0.40 0.80	 	21.32 20.92
0.80- 1.80 0.80 1.00	B D ES			Stiff brown sandy gravelly CLAY with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.40 1.50	HV D	Av=68kPa					
1.80- 2.80 2.00	B D						
2.40 2.50	HV D	Av=130+kPa					
3.00	D			End of Excavation	3.00		18.72

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	02/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	02/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


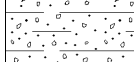


Trial Pit
Project No

TP8D34
PN194027

Client WSP

National Grid	355087.9	E
Coordinates	390418.8	N

Ground Level 22.29 m OD

Samples and Tests				Strata		Scale 1:50	
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L. 0.40	 1	22.29 21.89
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		Av=79kPa	Firm to stiff yellowish brown mottled grey sandy gravelly CLAY with a low cobble content and occasional pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.		 2	
1.40- 2.40 1.40 1.50	B HV D		Av=79kPa	Below 1.60m, brown. Pockets of sand are absent. At 1.70m, boulders of sandstone and mudstone. Below 2.20m, locally friable and fissured.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D		Av=88kPa				
3.00	D			End of Excavation	3.00		19.29
Excavation				Groundwater			
Plant 8 Tonne Tracked Excavator		Width (B) 0.80		Depth Observed	Depth of Pit	Details	
Date 02/10/2019		Length (C) 3.00				None encountered.	
Shoring None.		Date Backfilled 02/10/2019					
Stability Stable during excavation.							
Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.				Logged by JN			
Symbols and abbreviations are explained on the accompanying key sheet.				Figure 1 of 1 18/12/2019			
All dimensions are in metres.							
Logged in accordance with BS5930:2015							

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D35

Project No




PN194027

Client WSP

National Grid
Coordinates

355129.5 E
390418.3 N

Ground Level 22.09 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		22.09
0.40- 0.70 0.40	B D				0.40		21.69
0.40- 0.70 0.40	B D				0.70		21.39
0.40- 0.70 0.50	HV ES	Av=61kPa		MADE GROUND: Firm to stiff orangish brown slightly gravelly sandy clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and fragments of clay pipe.			
0.70- 1.70 0.70	B D						
1.00	ES						
1.40	HV	Av=41kPa		Stiff brown sandy gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.50	D						
1.70- 2.70	B						
2.00	D			At 0.70m, land drain encountered, running NE to SW.			
2.40	HV	Av=88kPa		Below 2.40m, low boulder content.			
2.50	D			Below 2.50m, locally friable and fissured.			
3.00	D			End of Excavation	3.00		19.09

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	02/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	02/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

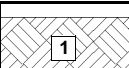
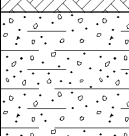
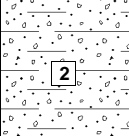
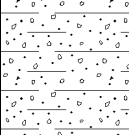


Trial Pit
Project No

TP8D36
PN194027


Client WSP

National Grid
Coordinates 355171.8 E
390417.3 N

Ground Level 21.70 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with many rootlets. Gravel is subangular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.70
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES		mc=28% Av=52kPa	Firm to stiff dark brown mottled grey sandy gravelly CLAY with a medium cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal. Between 0.50-0.70m, some rootlets. Below 1.60m, stiff, brown.	0.40		21.30
1.40- 2.40 1.40 1.50	B HV D		Av=63kPa	At 2.10m, large sandstone boulders.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D		Av=106kPa mc=12%	Below 2.70m, locally friable and fissured.			
3.00	D			End of Excavation	3.00		18.70

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	02/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	02/10/2019			None encountered.
Stability	stable during excavation.					

Remarks  ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.


Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:2015

Logged by JN

Figure 1 of 1
18/12/2019



TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D37




Project No

PN194027

Client WSP

National Grid Coordinates 355231.1 E
390419.7 N

Ground Level 21.48 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with a low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz. Many rootlets.	G.L.		21.48
0.40- 0.70 0.40	B D				0.40		21.08
0.40 0.50	HV ES	Av=69kPa		MADE GROUND: Firm to stiff orangish brown slightly gravelly sandy clay with a low cobble content and some pockets (up to 10mm) of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal. Occasional rootlets.	0.70		20.78
0.70- 1.70 0.70	B D						
1.00	ES						
1.40	HV	Av=62kPa		Stiff brown mottled orange sandy gravelly CLAY with a low cobble content and some pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.			
1.50	D						
1.70- 2.70	B						
2.00	D						
				At 0.70m, land drain encountered, running NE to SW.			
2.50	D			Below 2.10m, locally friable and fissured.			
3.00	D			End of Excavation	3.00		18.48

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	01/10/2019	Length (C)	3.00	0.70		Fast inflow from land drain.
Shoring	None.	Date Backfilled	01/10/2019			
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP

Trial Pit

TP8D38

Project No

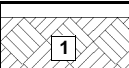
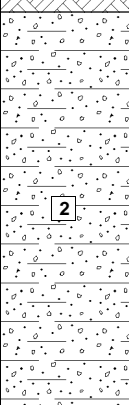
PN194027

Client WSP

National Grid
Coordinates

355278.8 E
390418.5 N

Ground Level 21.20 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.00- 0.40 0.20	B ES			Crops over TOPSOIL: Soft brown sandy gravelly clay with some rootlets. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone and quartz.	G.L.		21.20
0.40- 1.40 0.40 0.40 0.50 1.00 1.00	B D HV ES D ES	Av=55kPa		Firm to stiff orangish brown mottled grey slightly gravelly sandy CLAY with a low cobble content and some pockets of yellow fine to coarse sand. Gravel is angular to subrounded fine to coarse of sandstone, siltstone, mudstone, quartz and coal.	0.40		20.80
1.40- 2.40 1.40 1.50	B HV D	Av=51kPa		From 0.40m, occasional rootlets and pockets of organic material. At 0.60m, land drain encountered, running NE to SW. Below 1.80m, medium cobble content.			
2.00	D						
2.40- 3.00 2.40 2.50	B HV D	Av=83kPa					
3.00	D			End of Excavation	3.00		18.20

Excavation				Groundwater		
Plant	8 Tonne Tracked Excavator	Width (B)	0.80	Depth Observed	Depth of Pit	Details
Date	01/10/2019	Length (C)	3.00			
Shoring	None.	Date Backfilled	01/10/2019			Fast inflow from ponded surface water.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	JN
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

geotechnics

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI





Engineer WSP

Trial Pit TP8E01
Project No PN194027

Client WSP

National Grid 354544.0 E
Coordinates 390615.2 N

Ground Level 25.12 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.20	ES			Grass over TOPSOIL: Soft dark brown slightly sandy clay with some rootlets.	G.L.		25.12
0.50- 1.00	B			POSSIBLE MADE GROUND: Yellowish brown slightly clayey fine to medium sand.	0.20		24.92
0.50	D				0.40		24.72
0.50	ES						
1.00	ES			Firm reddish brown slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and coal.			
				End of Excavation	1.20		23.92

Excavation				Groundwater		
Plant	Hand tools.	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/10/2019	Length (C)	0.50			
Shoring	None.	Date Backfilled	23/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	MM
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer


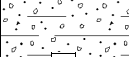

WSP

Trial Pit TP8E02
Project No PN194027

Client WSP

National Grid 354430.8 E
Coordinates 390650.1 N

Ground Level 25.96 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.20	ES			Grass over TOPSOIL: Soft dark brown slightly sandy clay with some rootlets.	G.L.		25.96
0.50- 1.00	B			Soft reddish brown mottled grey slightly sandy slightly gravelly CLAY with a low cobble content of sandstone. Gravel is subangular to subrounded fine of sandstone, mudstone and coal.	0.30		25.66
0.50	D						
0.50	ES						
1.00	ES			End of Excavation	1.20		24.76

Excavation				Groundwater		
Plant	Hand tools.	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/10/2019	Length (C)	0.50			
Shoring	None.	Date Backfilled	23/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	MM
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

TRIAL PIT RECORD

Trial Pit

Project OMEGA DEVELOPMENT GI

Engineer

WSP


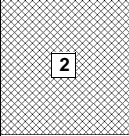
Trial Pit
Project No

TP8E03
PN194027

Client WSP

National Grid
Coordinates 354291.3 E
390693.7 N

Ground Level 27.00 m OD

Samples and Tests				Strata	Scale 1:50		
Depth	Type	Stratum No	Results	Description	Depth	Legend	Level m OD
0.20	ES			Grass over TOPSOIL: Soft dark brown slightly sandy clay with rootlets.	G.L.		27.00
0.50- 1.00	B			MADE GROUND: Soft to firm reddish brown mottled grey and yellow slightly sandy slightly gravelly clay. Gravel is angular to subrounded fin to medium of sandstone, mudstone, coal and ceramic fragments.	0.30		26.70
0.50	D						
0.50	ES						
1.00	ES			End of Excavation	1.20		25.80

Excavation				Groundwater		
Plant	Hand tools.	Width (B)	0.50	Depth Observed	Depth of Pit	Details
Date	23/10/2019	Length (C)	0.50			
Shoring	None.	Date Backfilled	23/10/2019			None encountered.
Stability	stable during excavation.					

Remarks	ES sample = 1 x 60ml glass vial, 2 x 258ml amber glass jars.	Logged by	MM
Symbols and abbreviations are explained on the accompanying key sheet.		Figure	1 of 1
All dimensions are in metres.	Logged in accordance with BS5930:2015		18/12/2019

APPENDIX 5

Trial Pit Photographs

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8A01 Pit



TP8A01 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8A02 Pit



TP8A02 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8A03 Pit



TP8A03 Spoil

PHOTOGRAPHS

Project Number : PN194027

Project : OMEGA DEVELOPMENT



TP8A04 Pit



TP8A04 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8A08 Pit



TP8A08 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8A11 Pit

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8B03 Pit



TP8B03 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8B04 Pit



TP8B04 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8B05 Pit



TP8B05 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8B06 Pit



TP8B06 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8B07 Pit



TP8B07 Spoil

PHOTOGRAPHS

Project Number : PNI94027

Project : OMEGA DEVELOPMENT



TP8B08 Pit



TP8B08 Spoil