

BOREHOLE RECORD - Dynamic Sampler

Project WHITWORTH COMMUNITY HIGH SCHOOL

Engineer CAMPBELL REITH LLP

Borehole Project No **WS03**
PN204160

Client CAMPBELL REITH LLP

National Grid Coordinates 388116.4 E
417979.3 N

Ground Level 225.15 m OD

Sampling			Properties			Strata			Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Description	Depth	Legend	Level m OD		
0.00- 0.50	B					Grass over MADE GROUND: Firm friable dark brown slightly sandy slightly gravelly clay with some rootlets. Gravel is angular to subangular fine to coarse of limestone, sandstone, mudstone, coal and concrete.	G.L.		225.15		
0.20	ES						0.50		224.65		
0.40	ES					PROBABLE MADE GROUND: Stiff friable brownish grey slightly sandy slightly gravelly clay with a low angular to subangular cobble content of limestone and sandstone. Gravel is angular to subrounded fine to coarse of limestone, sandstone and mudstone.					
0.50- 1.20	B						1.30	223.85			
1.00	D			16		Firm becoming stiff greyish brown slightly sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of limestone, siltstone, sandstone and coal. Locally grading to clayey silt. At 2.00m, locally very stiff. Occasional bands of gravelly medium to coarse sand.					
1.00	ES										
1.20- 1.65	D	(DRY)			S8						
1.20	D		TR=	100%							
1.30- 2.00	B										
2.00- 3.00	B										
2.00	D	(DRY)	TR=	100%	S35						
2.00- 2.45	D			14							
2.00	ES										
3.00- 4.00	B										
3.00	D	(DRY)	TR=	90%	S24						
3.00- 3.45	D			10							
4.00- 5.00	B										
4.00	D	(DRY)	TR=	70%	S18						
4.00- 4.45	D			14							
5.00- 5.45	D	(WET)				At 5.00m, firm.					
				13	S14						
						End of Borehole	5.45		219.70		

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	0.40	Inspection Pit	KD/DP	G.L.			27/10/20	08:00	5.45					Seepage - no rise.
5.45	0.10	Dynamic Sampler	KD/DP	5.45		5.45	27/10/20	10:45						

Remarks Inspection pit hand excavated to 1.20m depth and no services were found. A 50mm standpipe was installed to 4.00m with a geowrapped slotted section from 1.00m to 4.00m with flush lockable protective cover. Backfill details from base of hole: gravel filter up to 1.00m, bentonite up to ground level.

AGSES sample = 2 x vials, 1 x plastic jar and 2 x amber jars.

The Dynamic Sample Borehole was terminated at 5.45m depth upon reaching scheduled depth.

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Figure 1 of 1
22/02/2021

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All dimensions are in metres. Logged in accordance with BS5930:2015 + A1:2020

BOREHOLE RECORD - Dynamic Sampler

Project WHITWORTH COMMUNITY HIGH SCHOOL

Engineer CAMPBELL REITH LLP

Borehole Project No **WS04**
PN204160

Client CAMPBELL REITH LLP

National Grid Coordinates 388109.1 E
417954.7 N

Ground Level 225.69 m OD

Sampling		Properties			Strata		Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Description	Depth	Legend	Level m OD
0.10- 0.40	B					MADE GROUND: Black tarmacadam.	G.L. 0.10		225.69 225.59
0.30	ES					MADE GROUND: Light brown slightly sandy angular to subangular medium to coarse gravel of limestone and dolomite (sub-base).	0.45 0.60		225.24 225.09
0.50	B								
0.50	ES								
0.60- 1.00	B					MADE GROUND: Firm dark grey slightly sandy gravelly organic clay. Gravel is angular to subangular fine to coarse of limestone, coal and concrete.			
1.00	ES								
1.20- 1.65	D	(DRY)			S8	PROBABLE MADE GROUND: Stiff friable brownish grey slightly sandy gravelly clay. Gravel is angular to subrounded fine to coarse of mudstone, sandstone and limestone.	1.20 1.40		224.49 224.29
1.20	2.00		TR= 100%	11					
1.40- 2.00	B								
2.00- 3.00	B					Orangish brown gravelly slightly clayey medium to coarse SAND. Gravel is subangular to subrounded fine to coarse of sandstone and quartzite.			
2.00	3.00		TR= 70%		S16				
2.00	2.45	(WET)							
2.00	ES					Stiff brown mottled orangish brown slightly gravelly sandy CLAY with frequent bands of gravelly sand. Gravel is subangular to subrounded fine to coarse of mudstone, sandstone, limestone and coal.			
3.00- 3.39	D	(WET)			S50/ 235	At 3.39m, cobble obstruction.	3.39		222.30
						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	0.40	Inspection Pit	KD/DP	G.L.			27/10/20	08:00	2.00					Seepage - no rise.
3.39	0.10	Dynamic Sampler	KD/DP	3.39		2.00	27/10/20	18:00						

Remarks Inspection pit hand excavated to 1.20m depth and no services were found. AGS ES sample = 2 x vials, 1 x plastic jar and 2 x amber jars. The Dynamic Sample Borehole was terminated at 3.39m depth due to the presence of an obstruction. Backfill details from base of hole: bentonite seal up to 1.00m, arisings up to 0.25m, concrete up to 0.15m, tarmacadam up to ground level.

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BOREHOLE RECORD - Dynamic Sampler

Project WHITWORTH COMMUNITY HIGH SCHOOL

Engineer CAMPBELL REITH LLP

Borehole Project No **WS05**
PN204160

Client CAMPBELL REITH LLP

National Grid Coordinates 388117.8 E
417925.0 N

Ground Level 224.57 m OD

Sampling			Properties			Strata			Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Description	Depth	Legend	Level m OD		
0.00- 0.15	B					Grass over TOPSOIL: Firm friable dark brown slightly gravelly sandy clay with many rootlets. Gravel is subangular medium to coarse of limestone.	G.L.		224.57		
0.20	ES						0.25		224.32		
0.50	D					MADE GROUND: Reddish grey sandy subangular medium to coarse gravel of limestone and dolomite. Below 0.40m, slightly clayey.	0.60		223.97		
0.50	ES										
0.60- 1.20	B					MADE GROUND: Soft dark greyish brown slightly sandy gravelly clay with a high subangular cobble content of limestone and brick. Gravel is angular to subangular fine to coarse of limestone, sandstone, concrete and brick fragments.	1.50		223.07		
1.00	ES										
1.20- 1.65	D	(WET)	TR=	60%	S6						
1.20- 2.00	B					PROBABLE MADE GROUND: Firm dark brown slightly gravelly sandy silty clay. Gravel is subrounded fine to coarse of sandstone, mudstone, limestone and coal.	2.40		222.17		
1.50- 2.00	B										
2.00- 2.45	D	(WET)	TR=	90%	S10	Firm to stiff brown slightly sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of mudstone, limestone, sandstone and coal.					
2.00- 3.00	ES										
2.20	D										
2.20	D					Below 3.00m, frequent bands of sandy fine to coarse subangular gravel of sandstone, limestone and quartzite.					
2.50- 3.00	B										
3.00	ES		TR=	40%	S12						
3.00- 4.00	D	(WET)									
3.00- 3.45	D										
3.20	D										
3.80	D										
4.00- 4.45	D	(WET)	TR=	10%	S24						
4.00- 5.00	D										
4.50	D										
5.00- 5.45	D	(WET)			S14						
						End of Borehole	5.45		219.12		


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	0.40	Inspection Pit	KD/DP	G.L.			28/10/20	08:00	0.50					Seepage - no rise
5.45	0.10	Dynamic Sampler	KD/DP	5.45		0.20	28/10/20	18:00						

Remarks Inspection pit hand excavated to 1.20m depth and no services were found. AGSES sample = 2 x vials, 1 x plastic jar and 2 x amber jars. The Dynamic Sample Borehole was terminated at 5.45m depth upon reaching scheduled depth. A standpipe was installed to 2.50m with a geowrapped slotted section from 0.50m to 2.50m with flush lockable protective cover. Backfill details from base of hole: bentonite seal up to 2.50m, gravel filter up to 0.50m, bentonite seal up to 0.20m, concrete 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 + A1:2020

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BOREHOLE RECORD - Dynamic Sampler

Project WHITWORTH COMMUNITY HIGH SCHOOL

Engineer CAMPBELL REITH LLP

Borehole Project No **WS06**
PN204160

Client CAMPBELL REITH LLP

National Grid Coordinates 388120.9 E
417903.5 N

Ground Level 224.77 m OD

Sampling			Properties			Strata			Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	SPT N	Description	Depth	Legend	Level m OD		
0.10- 0.40	B					MADE GROUND: Black tarmacadam.	G.L.		224.77		
0.20	ES						0.10		224.67		
0.40- 0.90	B					MADE GROUND: Grey slightly sandy slightly clayey subangular fine to coarse gravel of limestone, sandstone, coal and concrete.	0.40		224.37		
0.50	ES										
0.90- 1.20	B					MADE GROUND: Light brown mottled grey slightly gravelly sandy clay. Gravel is subangular fine to coarse of limestone and sandstone.	0.90		223.87		
1.00	ES										
1.20- 1.65	D	(DRY)	TR=	13	S8						
1.20 2.00			80%			PROBABLE MADE GROUND: Loose orangish brown gravelly slightly clayey medium sand. Gravel is angular to subangular fine to coarse of sandstone.	1.50		223.27		
1.50- 2.00	B										
2.00- 3.00	B		TR=	100%	S8	Firm brown slightly sandy slightly gravelly to gravelly CLAY. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone and limestone.					
2.00 3.00			16								
2.00- 2.45	D	(DRY)									
2.00	ES										
3.00- 4.00	B		TR=	60%	S12						
3.00 4.00			8.3								
3.00- 3.45	D	(DRY)									
4.00- 4.33	D	(DRY)		9.5	S50/ 180	At 4.33m, cobble obstruction.					
						End of Borehole	4.33		220.44		

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	0.40	Inspection Pit	KD/DP	G.L.			28/10/20	08:00						None encountered.
4.33	0.10	Dynamic Sampler	KD/DP	4.33		DRY	28/10/20	18:00						

Remarks Inspection pit hand excavated to 1.20m depth and no services were found.
 AGS ES sample = 2 x vials, 1 x plastic jar and 2 x amber jars.
 The Dynamic Sample Borehole was terminated at 4.33m depth due to the presence of an obstruction.
 Backfill details from base of hole: bentonite seal up to 1.00m, arisings up to ground level.

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All dimensions are in metres. Logged in accordance with BS5930:2015 + A1:2020

BOREHOLE RECORD - Dynamic Sampler

Project WHITWORTH COMMUNITY HIGH SCHOOL

Engineer CAMPBELL REITH LLP

Borehole Project No **WS07**
PN204160

Client CAMPBELL REITH LLP

National Grid Coordinates 388089.6 E
417918.0 N

Ground Level 227.43 m OD

Sampling			Properties		Strata			Scale 1:50		
Depth	Sample Type	Depth Cased & (to Water)	Strength kPa	w %	Description			Depth	Legend	Level m OD
0.10- 0.40	B				<p>MADE GROUND: Black tarmacadam.</p> <p>MADE GROUND: Dark grey sandy medium to coarse gravel with a high subangular cobble content of sandstone and concrete. Gravel is angular to subangular fine to coarse of coal, ash and concrete.</p> <p>MADE GROUND: Soft to firm light brown mottled dark grey slightly sandy slightly gravelly clay. Gravel is angular to subangular fine to coarse of limestone, coal, ash and concrete.</p> <p>MADE GROUND: Dark grey slightly sandy clayey angular to subangular fine to coarse gravel of limestone, coal, slate, ceramic, ash and concrete. Medium subangular cobble content of concrete.</p> <p>End of Borehole</p>			G.L.		227.43
0.20	ES							0.10		227.33
0.50	D							0.40		227.03
0.50	ES							0.60		226.83
0.60- 0.80	B							0.80		226.63
0.70	ES									

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
0.80	0.40	Inspection Pit	KD/DP	G.L. 0.80		0.60	28/10/20 28/10/20	08:00 18:00	0.80		0.60	20		Fast inflow.

Remarks Inspection pit hand excavated to 0.80m depth and no services were found.
 The Dynamic Sample Borehole was terminated at a depth of 0.80m due to groundwater inflow.
 Backfill details from base of hole: arisings up to 0.25m, concrete up to 0.15m, tarmacadam 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 + A1:2020

Logged by **DP**
 Figure 1 of 1
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