



2788

# Laboratory Report



GEO Site & Testing Services Ltd

## Contract Number: 44424

Client Ref:

Report Date: **06-06-2019**

Client PO: **8093**

Client **Earth Science Partnership**  
**33 Cardiff Road**  
**Taff's Well**  
**Cardiff**  
**CF15 7RB**

Contract Title: **St Marys the virgin school**  
For the attention of: **Craig Davies**

Date Received: **30-05-2019**  
Date Commenced: **30-05-2019**  
Date Completed: **06-06-2019**

Test Description	Qty
<b>Moisture Content</b> BS 1377:1990 - Part 2 : 3.2 - * UKAS	5
<b>4 Point Liquid &amp; Plastic Limit</b> BS 1377:1990 - Part 2 : 4.3 & 5.3 - * UKAS	5
<b>Disposal of samples for job</b>	1

**Notes:** Observations and Interpretations are outside the UKAS Accreditation  
\* - denotes test included in laboratory scope of accreditation  
# - denotes test carried out by approved contractor  
@ - denotes non accredited tests

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

**Approved Signatories:**

Emma Sharp (Office Manager) - Paul Evans (Quality/Technical Manager) - Richard John (Advanced Testing Manager)  
Sean Penn (Administrative/Accounts Assistant) - Shaun Jones (Laboratory manager) - Wayne Honey (Administrative/Quality Assistant)



**LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX  
( BS 1377 : Part 2 : 1990 Method 5 )**

**DESCRIPTIONS**

Contract Number	44424
Site Name	St Marys the virgin school
Date Tested	05/06/2019

Sample/Hole Reference	Sample Number	Sample Type	Depth (m)		Descriptions
WS5		D	1.90	-	Brown slightly sandy silty fine to coarse gravelly CLAY
WS09		D	1.60	-	Brown silty fine to coarse gravelly sandy CLAY
WS10		D	1.00	-	Grey/brown silty CLAY
WS10		D	2.50	-	Brown sandy silty CLAY
WS11		D	2.30	-	Brown slightly sandy fine to coarse gravelly silty CLAY
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Operators	Checked	06/06/2019	Sean Penn (Administrative/Quality Assistant)
Ieuan Williams	Approved	06/06/2019	Paul Evans (Quality/Technical Manager)





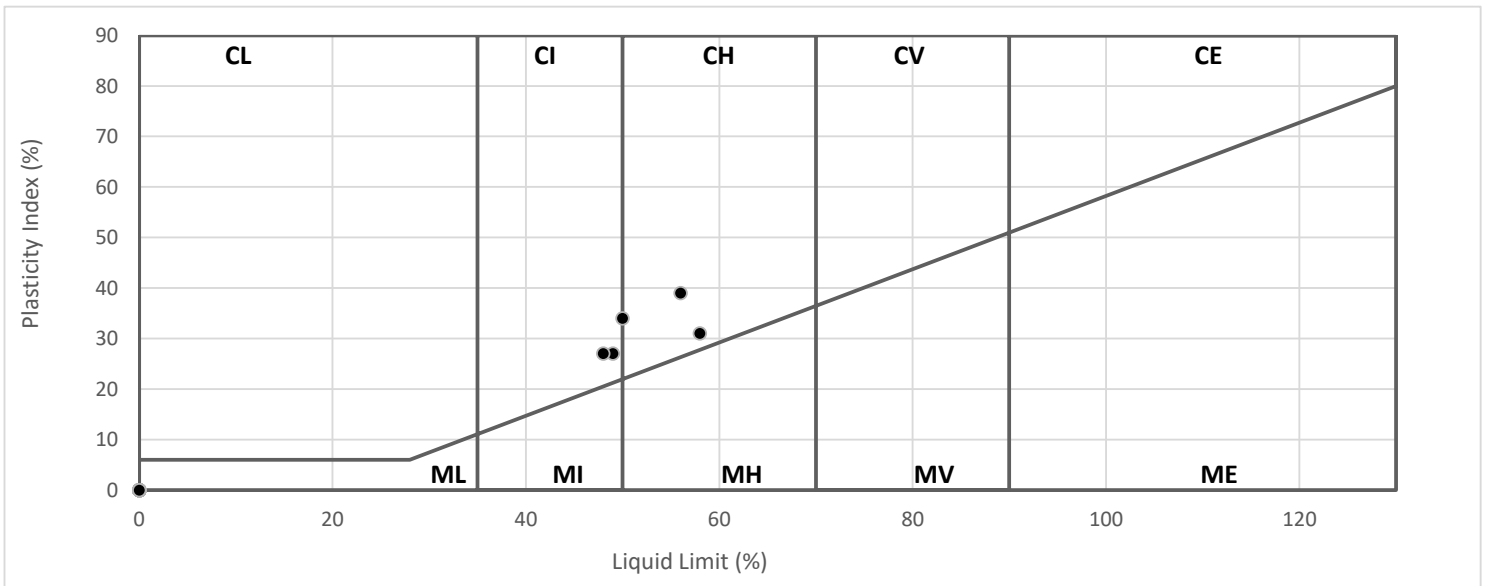
**LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX  
( BS 1377 : Part 2 : 1990 Method 5 )**

Contract Number	44424
Site Name	St Marys the virgin school
Date Tested	05/06/2019

Sample/Hole Reference	Sample Number	Sample Type	Depth (m)		Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity index %	Passing 0.425mm %	Remarks
WS5		D	1.90	-	19	58	27	31	64	CH High Plasticity
WS09		D	1.60	-	17	50	16	34	65	CI/H Inter/High Plasticity
WS10		D	1.00	-	21	49	22	27	100	CI Intermediate Plasticity
WS10		D	2.50	-	21	48	21	27	100	CI Intermediate Plasticity
WS11		D	2.30	-	21	56	17	39	68	CH High Plasticity
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Symbols: NP : Non Plastic      # : Liquid Limit and Plastic Limit Wet Sieved

**PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION  
BS 5930:1999+A2:2010**



Operators	Checked	06/06/2019	Sean Penn (Administrative/Quality Assistant)
Ieuan Williams	Approved	06/06/2019	Paul Evans (Quality/Technical Manager)

