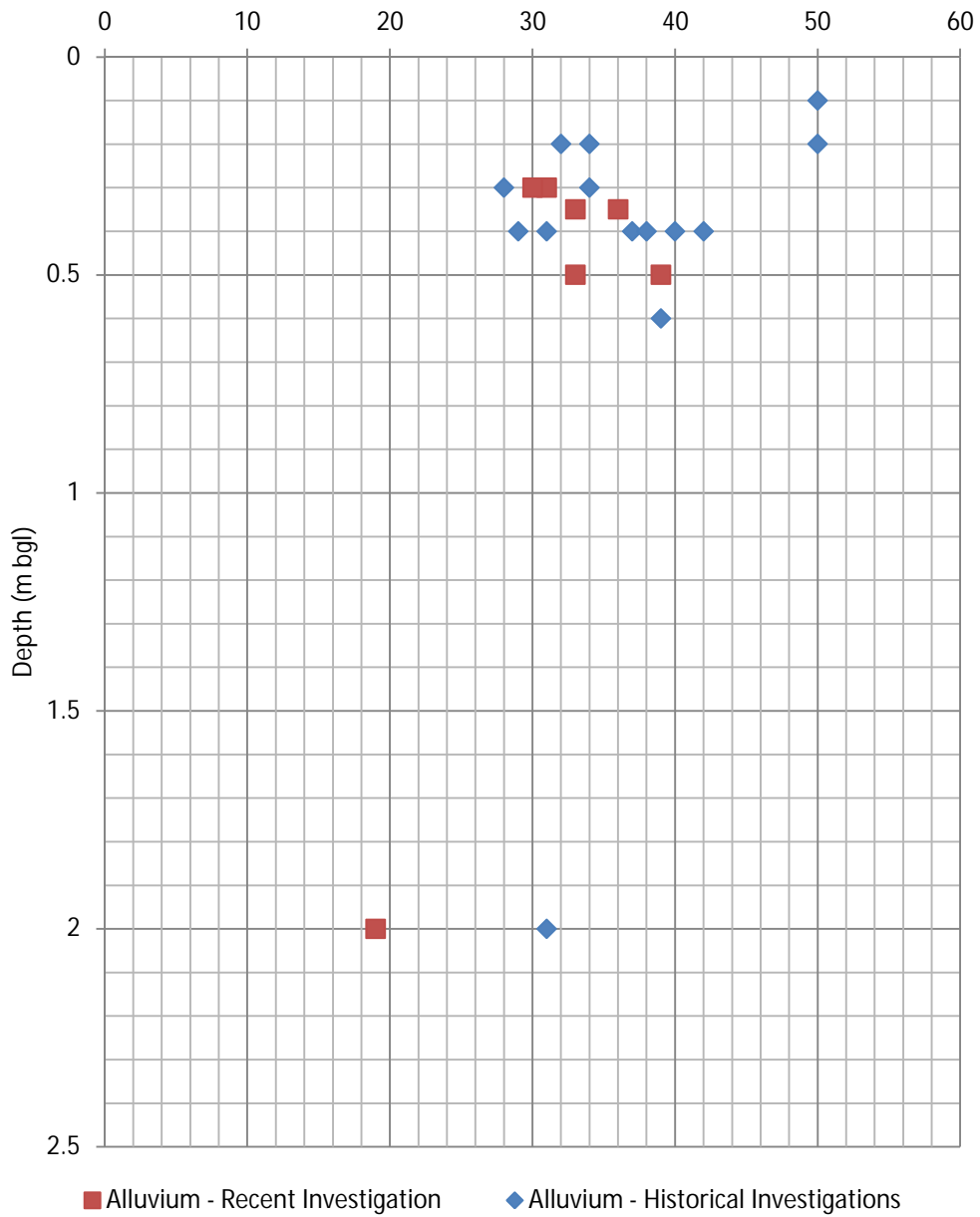

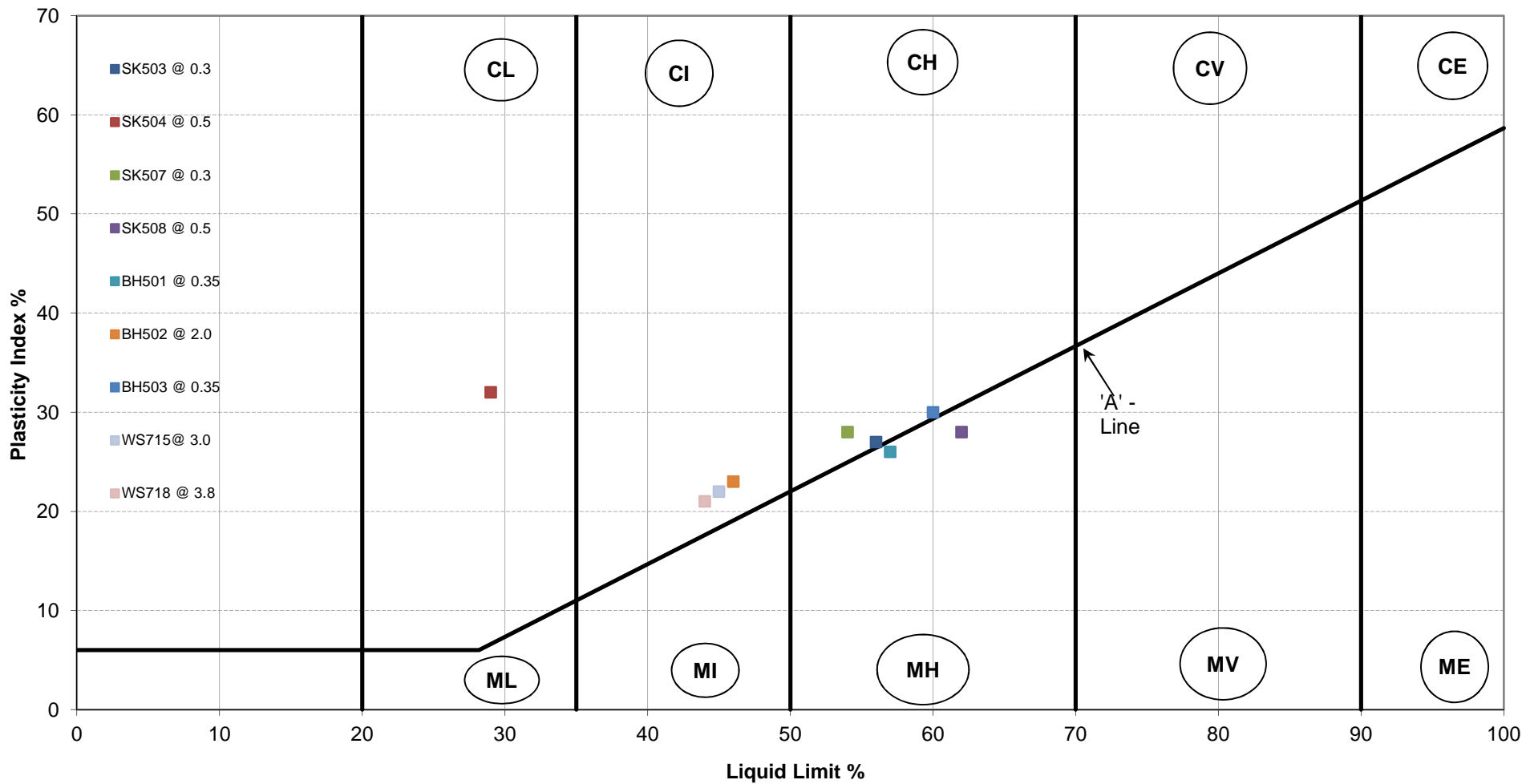



# Alluvium - MC vs Depth

CBR (%)



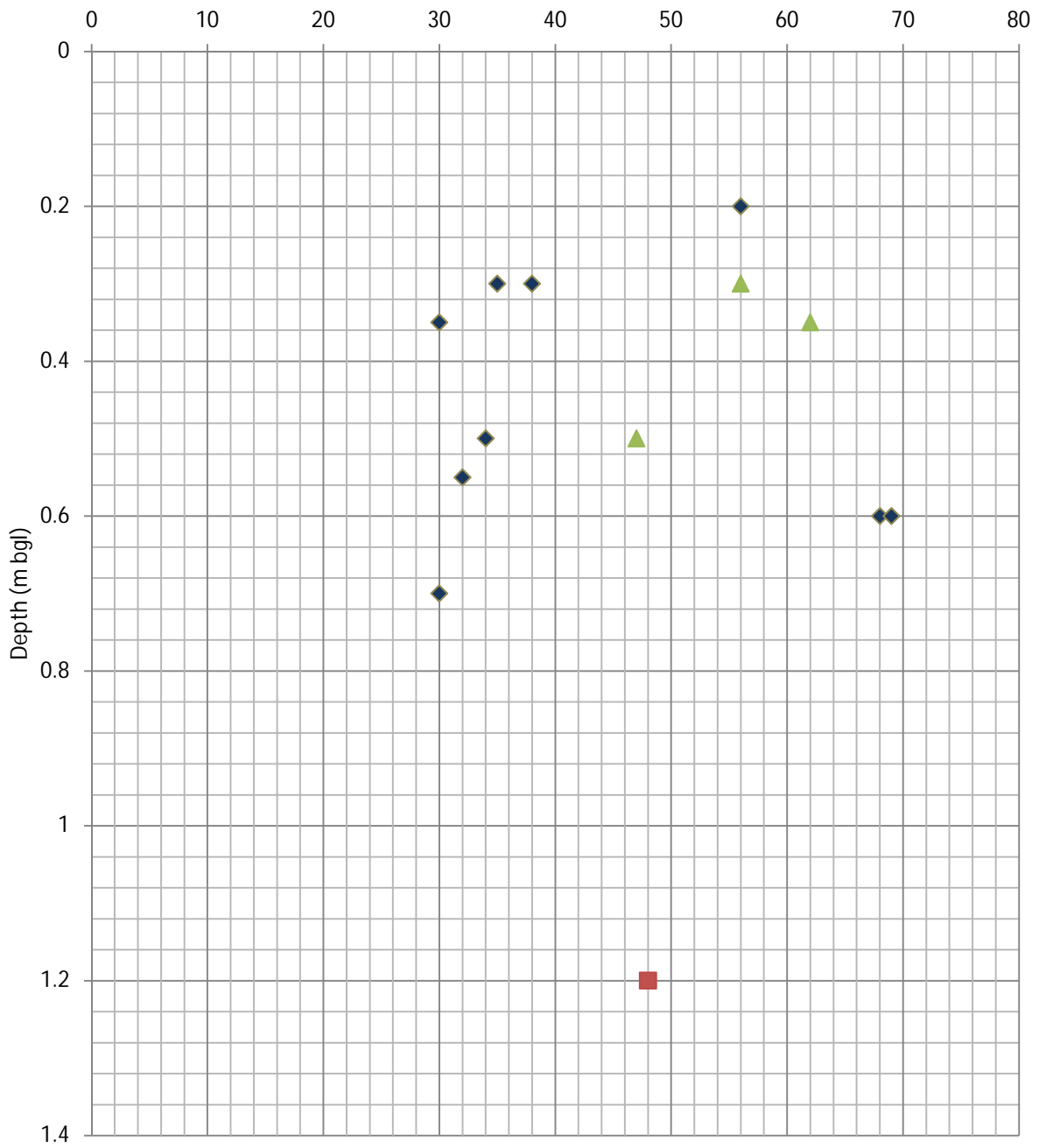
Title:	<b>Alluvium - Moisture Content vs Depth</b>	 1 Callaghan Square Tel: 02920674600 Cardiff CF10 5BT <a href="http://www.aecom.com">www.aecom.com</a>	
Project:	<b>St. Athan NAR</b>		
Notes:	Checked: AG	By: LB	
	Approved: SW	Date: February 2017	
<b>Figure 3</b>			



<table border="1"> <tr> <td>AG</td> <td>App.:</td> <td>SW</td> </tr> <tr> <td>LB</td> <td>Date</td> <td>Feb-17</td> </tr> </table>	AG	App.:	SW	LB	Date	Feb-17	Site: <b>St. Athan NAR</b>
AG	App.:	SW					
LB	Date	Feb-17					
	Title: <b>Atterberg Limits A line chart (Alluvium)</b>						
	Notes; <span style="float: right;"><b>4</b></span>						

# Alluvium - Cu vs Depth

Cu (kN/m<sup>2</sup>)



◆ Derived from Hand Shear Vane    ■ Derived from SPT    ▲ Derived from Lab Vane

Title: **Alluvium - Undrained Shear Strength vs Depth**



1 Callaghan Square  
Cardiff

Tel: 02920674600

Project: **St. Athan NAR**

CF10 5BT

www.aecom.com

Checked: ADG

By: LB

Notes:

Approved: SW

Date: February 2017

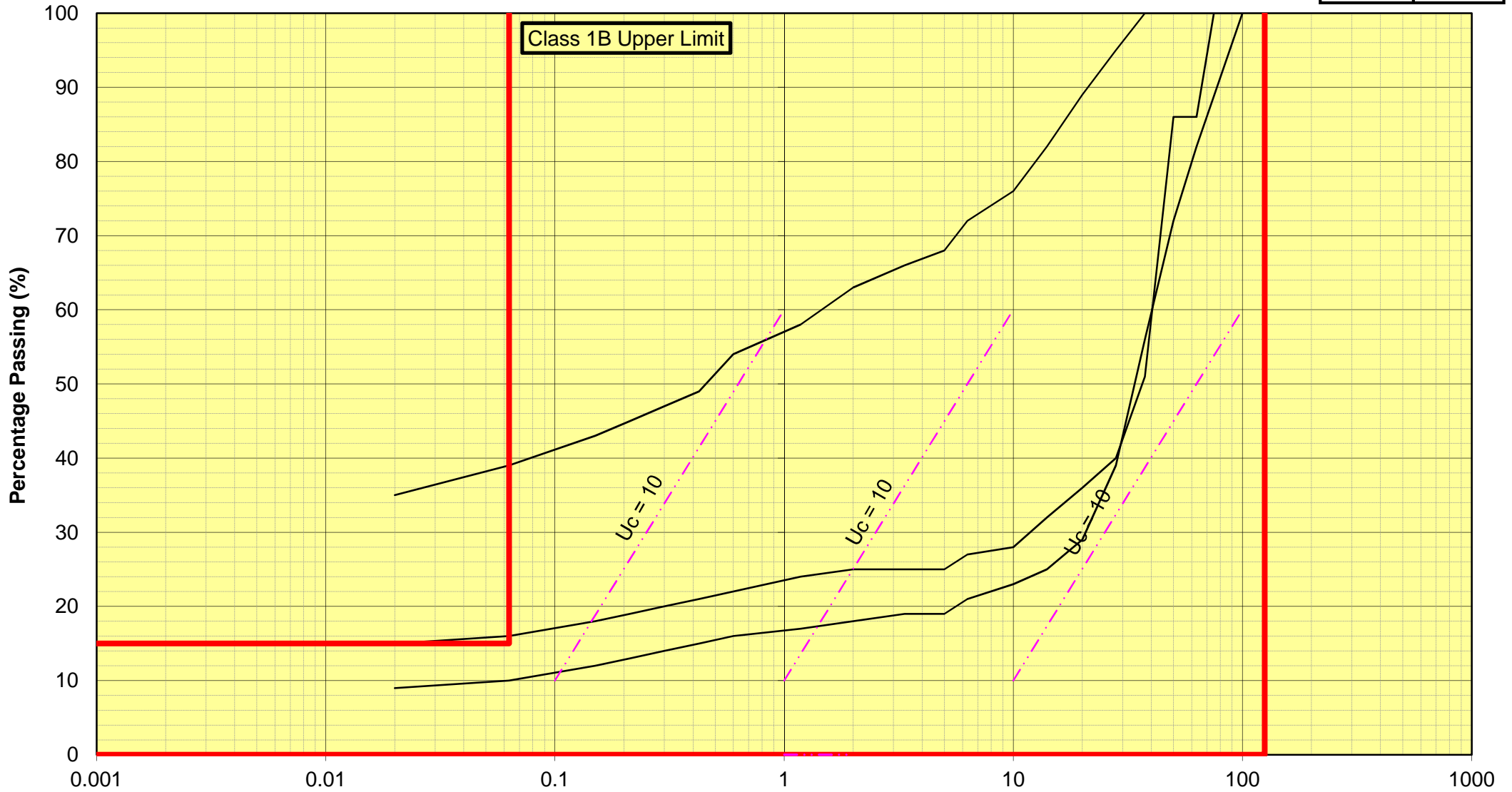
**Figure 5**

**Project Name: St. Athan NAR**

**Figure 6**

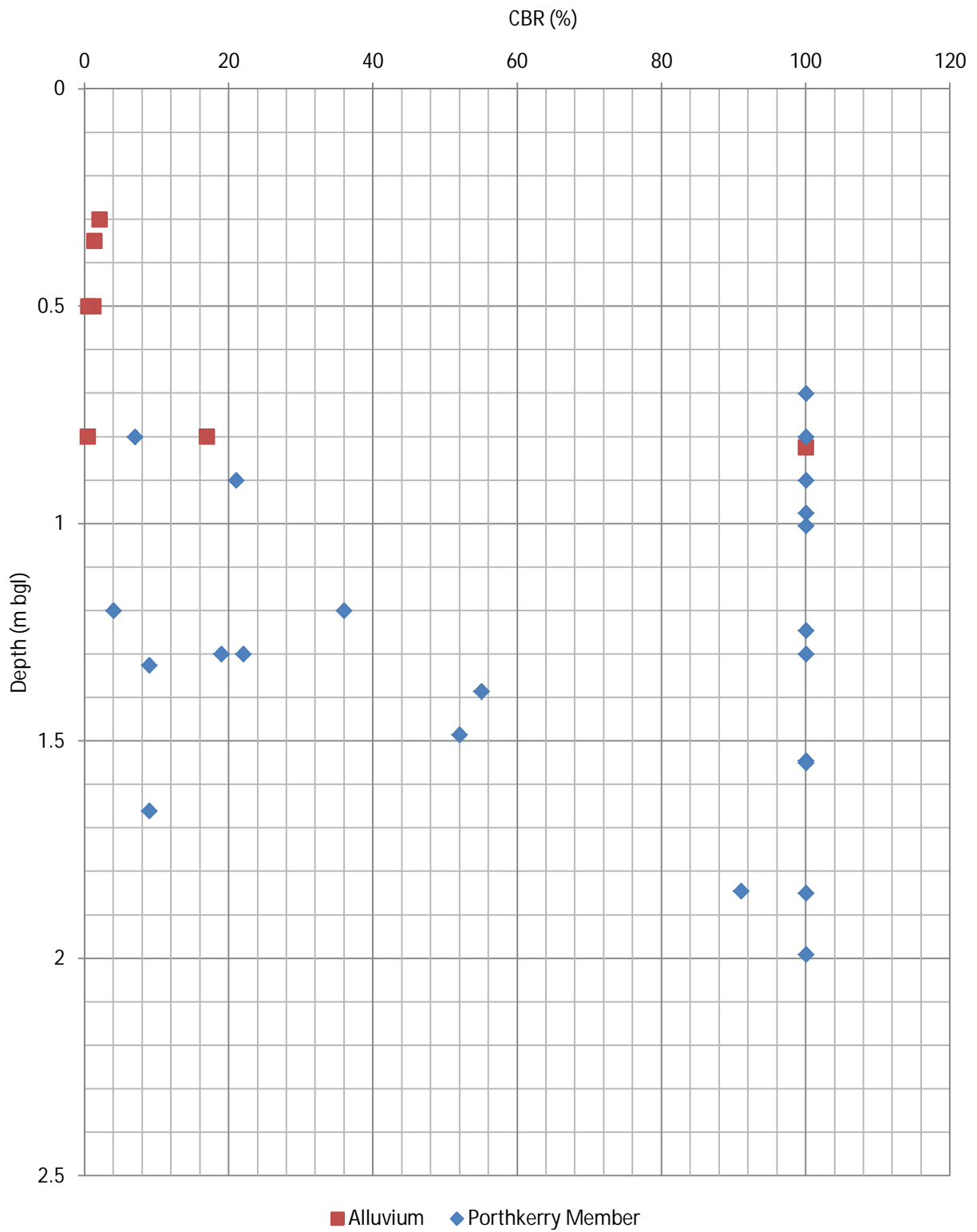
**Alluvium**


JOB NO. <b>M001.002.002</b>	
SHEET NO. <b>SH.1</b>	DATE <b>08-Feb-17</b>
MADE BY <b>LB</b>	CHECKED <b>ADG</b>



<b>CLAY</b>	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	<b>COBBLES</b>	<b>BOULDERS</b>
	<b>SILT</b>			<b>SAND</b>			<b>GRAVEL</b>				

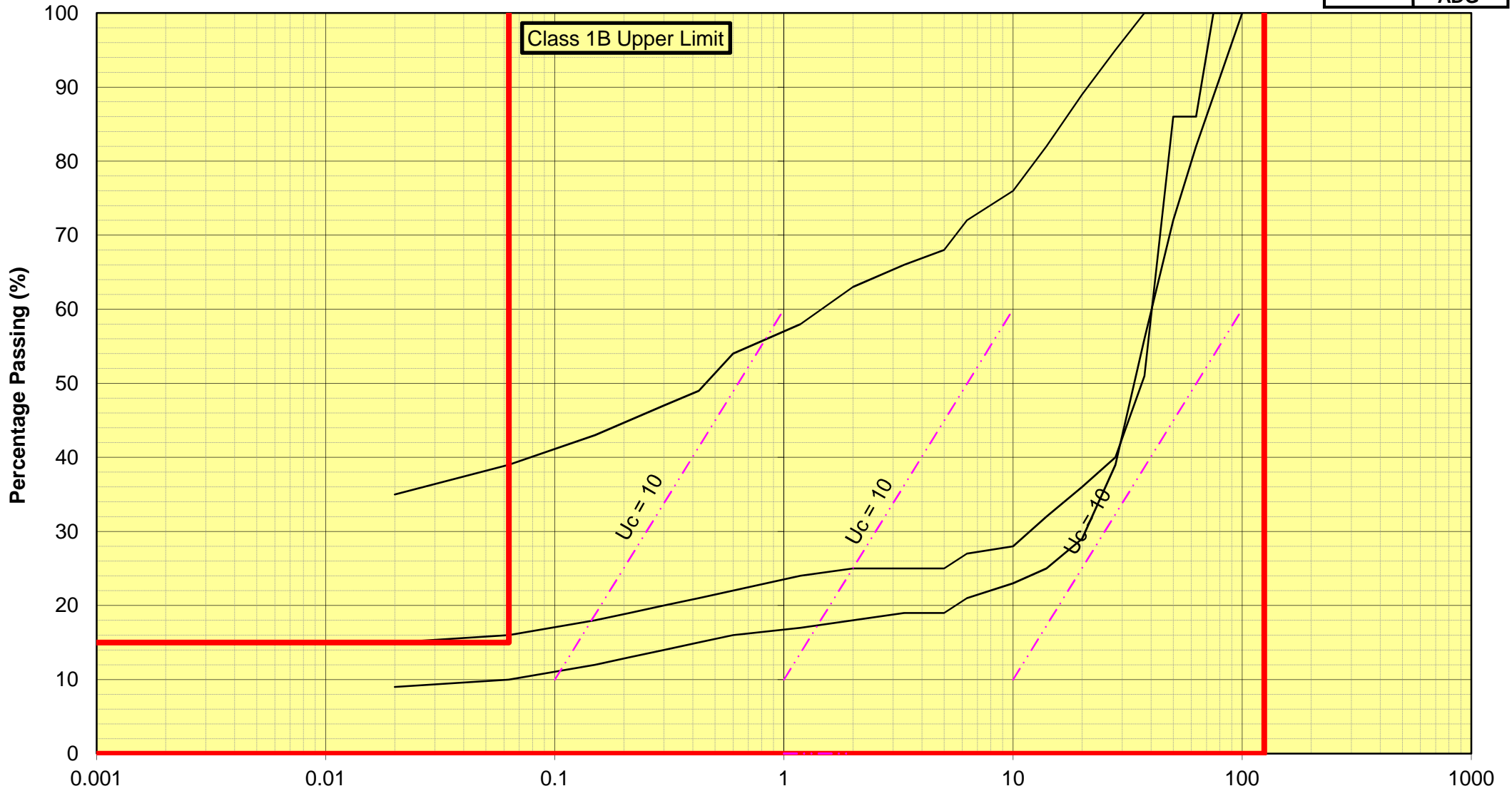
# CBR vs Depth



Title:	<b>Alluvium and Porthkerry Member - CBR vs Depth</b>	 1 Callaghan Square Cardiff CF10 5BT Tel: 02920674600 www.aecom.com
Project:	<b>St. Athan NAR</b>	
Notes:	Checked: AG	By: LB
	Approved: SW	Date: February 2017
<b>Figure 7</b>		

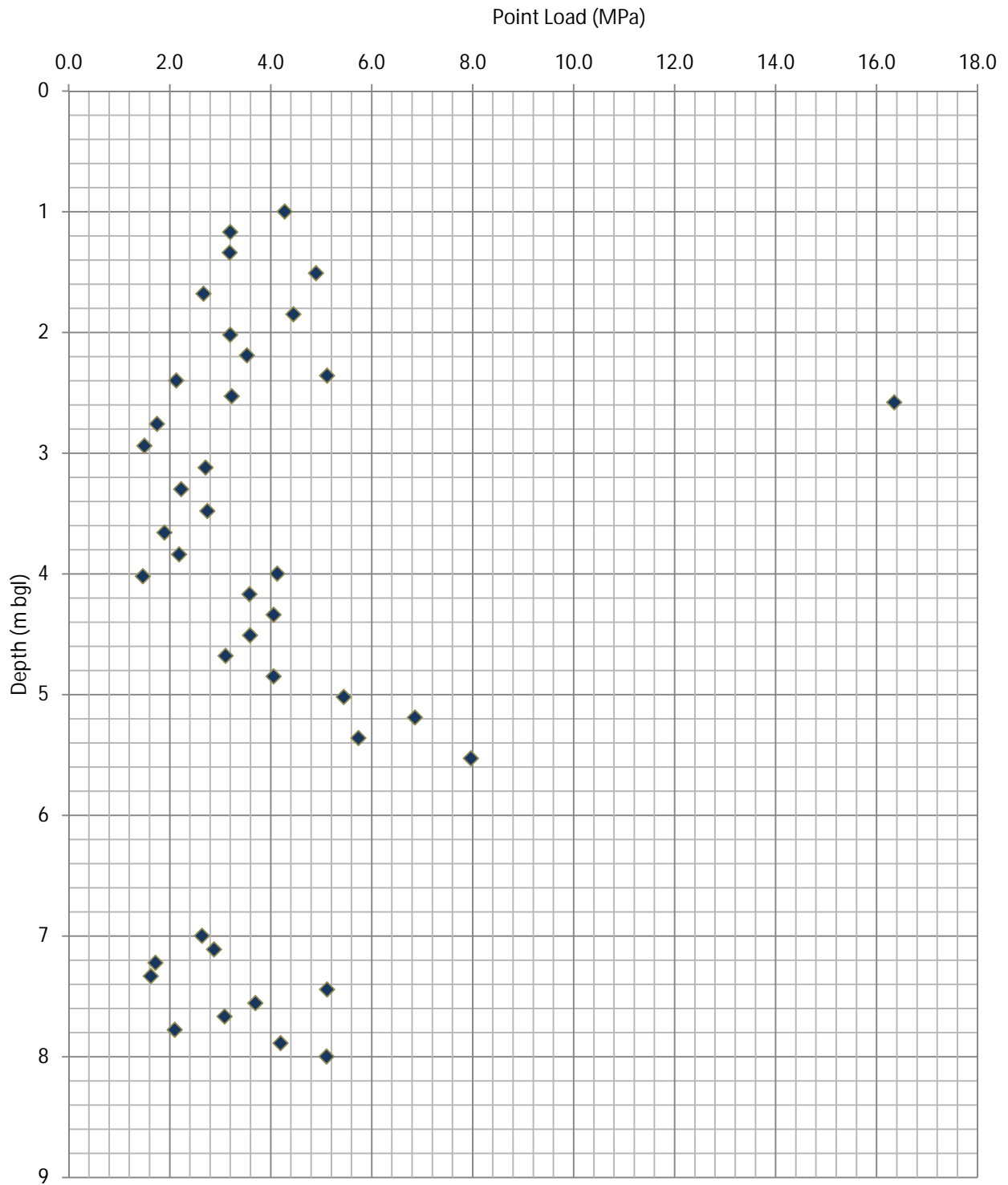
**Project Name: St. Athan NAR**  
**Figure 8**  
**Porthkerry Member (Blue Lias Formation)**

JOB NO. <b>M001.002.002</b>	
SHEET NO. <b>SH.1</b>	DATE <b>08-Feb-17</b>
MADE BY <b>LB</b>	CHECKED <b>ADG</b>



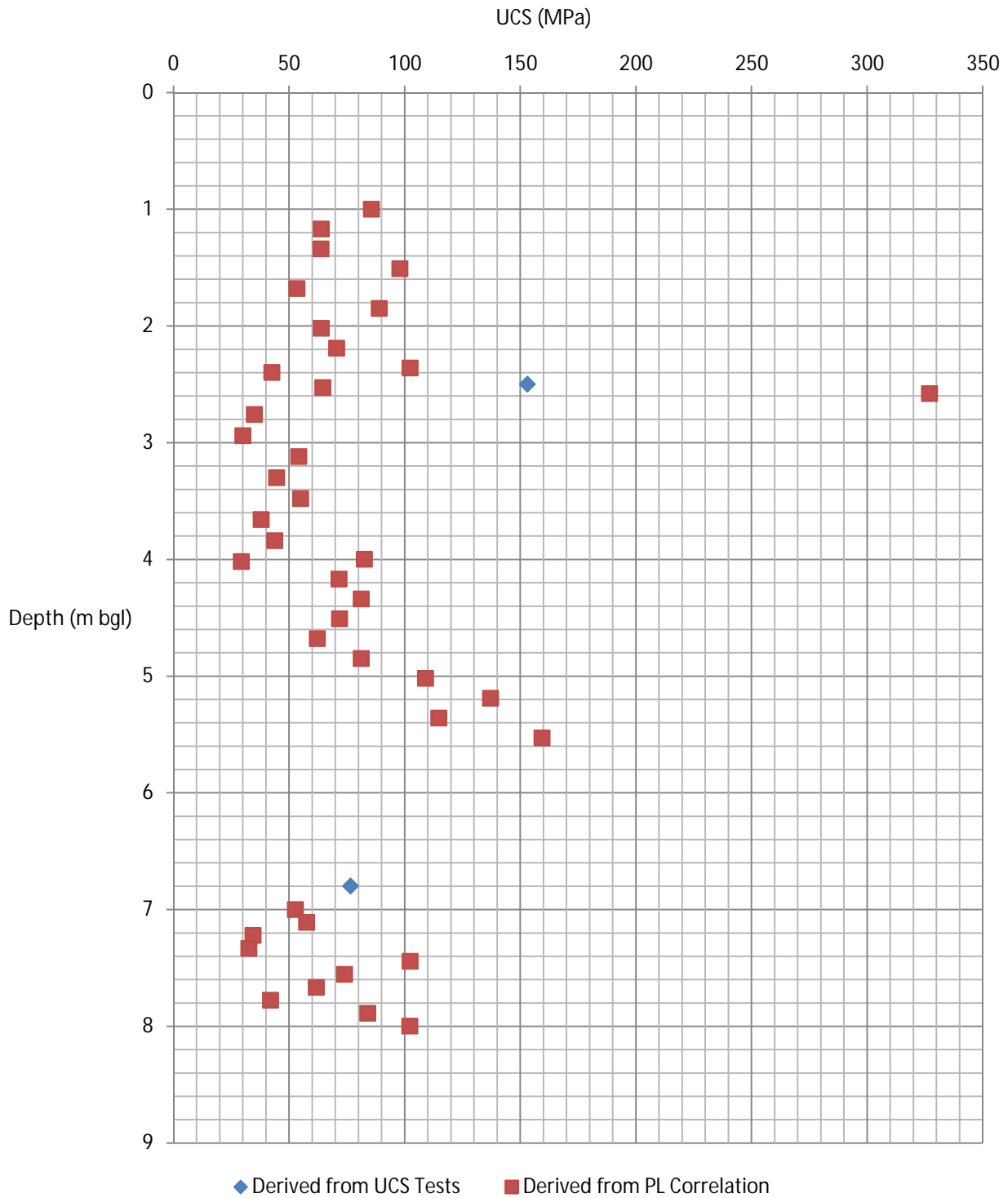
<b>CLAY</b>	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	<b>COBBLES</b>	<b>BOULDERS</b>
	<b>SILT</b>			<b>SAND</b>			<b>GRAVEL</b>				

# Porthkerry Member - Point Load vs Depth



Title: <p style="text-align: center;"><b>Porthkerry Member - Point Load vs Depth</b></p>	<p style="text-align: center;"><b>AECOM</b></p> 1 Callaghan Square    Tel: 02920674600 Cardiff CF10 5BT                      www.aecom.com
Project: <p style="text-align: center;"><b>St. Athan NAR</b></p>	Checked: AG                      By: LB
Notes:	Approved: SW                      Date: February 2017 <b>Figure 9</b>

# Porthkerry Member - UCS vs Depth



Title: **Porthkerry Member - Unconfined Compressive Strength vs Depth**



1 Callaghan Square    Tel: 02920674600

Project: **St. Athan NAR**

Cardiff

CF10 5BT    www.aecom.com

Notes:

Checked: AG    By: LB

Approved: SW    Date: February 2017

**Figure 10**