

TD Construction Testing Ltd  
Gerard Hall  
40 Lord Street  
St Helens  
Merseyside  
WA10 2SD  
Contract : Galiford Try  
Contract : Skipton FAS Waller Hill

Date: 08 November 2016  
Test Report Ref: STR 488939

Page 1 of 2

**LABORATORY TEST REPORT**

**TEST REQUIREMENTS:** To determine the Coefficient of Permeability under constant head conditions in a Triaxial Cell in accordance with **BS 1377: Part 6 : 1990 : Clause 6.**

**SAMPLE DETAILS:**

Certificate of sampling received:	<b>No</b>
Laboratory Ref. No:	<b>S61053</b>
Client Ref. No:	<b>Lab/16/1440 - WH139</b>
Date and Time of Sampling:	<b>13/10/2016</b>
Date of Receipt at Lab:	<b>19/10/2016</b>
Date of Start of Test:	<b>25/10/2016</b>
Sampling Location:	<b>Build of Dam South</b>
Name of Source:	<b>Soil Hill</b>
Method of Sampling:	<b>Core Cutter</b>
Sampled By:	<b>Client</b>
Material Description:	<b>Brown Mudstone</b>
Target Specification:	<b>N/A</b>

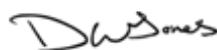
**RESULTS:**

**See attached**

**Comments**

None

Certificate  
Prepared by:-



Dyfed Jones  
Job Coordinator

Approved by: -



Eric Goulden  
Technical Manager

Test Report Ref: STR 488939 - Page 2 of 2

**TEST RESULTS**

Sample condition: **Undisturbed**

Method of Remoulding (If applicable): **N/A**

Specimen Details:	Initial:	Final:
Diameter:	101.2 mm	N/A
Height:	106.8 mm	N/A
Moisture Content:	15.0 %	15.5 %
Bulk density:	2.130 Mg/m <sup>3</sup>	2.176 Mg/m <sup>3</sup>
Dry density:	1.852 Mg/m <sup>3</sup>	1.884 Mg/m <sup>3</sup>

Saturation stage: **Performed in accordance with clause 5.4.3 - Saturation by increments of cell pressure and back pressure.**

Initial pore pressure coefficient,B:	0.66
Final pore pressure coefficient,B:	0.96
Duration of stage:	7 days

Consolidation stage:

Effective pressure:	100 kPa
Duration of stage:	2 days

Permeability stage:

Pressure difference across specimen:	20 kPa
Mean effective stress:	90 kPa
Duration of stage	2 days
<b>Coefficient of Permeability (k<sub>v</sub>) at 20°C =</b>	<b>2.8 x 10<sup>-10</sup> m/s</b>