NB TECH APPR

CET SAFEHOUSE
Materials Testing & Inspection

CET SAFEHOUSE Limited
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TYPE OF TEST: **DETERMINATION OF COEFFICIENT OF PERMEABILITY UNDER CONSTANT HEAD CONDITIONS IN A TRIAXIAL CELL: BS 1377: Part 6: 1990 Clause 6**

REPORT No.:	L10-52922-116474-1	CLIENT:	Prestons Agricultural Contractors
SAMPLE No.:	116474/1	ADDRESS:	Forest Hill Farm,Desford, Leicester
CLIENT REF:	1808/1	SITE:	Billy Trivett
DATE SAMPLED:	18/08/2010	SUPPLIER:	Insitu
SAMPLED BY:	Client	MATERIAL:	Brown Sandy Silty Clay
DATE RECEIVED:	18/08/2010	LOCATION:	Ratcliffe Culey
DATE TESTED:	07/09/2010	ACCEPT STD:	Contract Specification
TESTED BY:	CT	ORIENTATION OF TEST SPECIMEN	
TYPE OF SAMPLE:	Remoulded (2.5kg Rammer)	WITHIN ORIGINAL SPECIMEN:	N/A

RESULT:

Specimen Details:	Initial	Final
Initial Height (mm)	99	N/A
Diameter (mm)	101	N/A
Bulk Density (Mg/m³)	2.102	2.213
Moisture Content (%)	18.8	20.2
Dry Density (Mg/m³)	1.769	1.841

Saturation Stage: In accordance with clause 5.4.3	
Initial pore pressure coefficient, B:	0.30
Final pore pressure coefficient, B:	0.98
Duration of stage (days)	8

Consolidation Stage:	
Effective Pressure (kPa)	100
Duration of stage (days)	3

Permeability Stage:	
Pressure difference across specimen (kPa)	20
Mean Effective Stress (kPa)	90
Duration of stage (days)	2

Coefficient of Permeability (Kv) at 20°C 1.5×10^{-10} m/s

REMARKS:

For and on behalf of CET SAFEHOUSE Limited

Ahmad Iravani - Operations Manager
Gary Corrigan - National Manager
John Wilson - Technical Manager
Fred Fall - Senior Technician

Bulk sample will be kept for a minimum 28 days from date of test.

Approved Signatory
07-Sep-10

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Our Ref: L10-52922-07/09/2010
Your Ref: Adam Preston

Prestons Agricultural Contractors
Forest Hill Farm
Desford
Leicester
LE9 9JJ

FAO: Adam Preston

RE: TEST RESULTS – Billy Trivett

Please find enclosed, test results for the following samples, submitted on 18/08/2010.

Sample No	Material	Tests Carried Out	Comments
116474/1	Brown Sandy Silty Clay	Permeability Setup BS1377	n/a

If you require any further information or assistance, please contact the undersigned on the number given above.

For and on behalf of CET SAFEHOUSE Ltd

Ahmad Iravani
Operations Manager