



UNIVERSAL ENGINEERING SCIENCES

Consultants in: Geotechnical Engineering • Environmental Engineering
Construction Materials Testing • Threshold Inspection • Private Provider Inspection

January 25, 2011

O'Steen Brothers
1006 SE 4th Street
Gainesville, Florida 32601

Attn: Mr. Hugh Feather

Reference: **Pit Check on Silty Clayey Sand**
O'Steen Brothers Archer Pit
Archer, Alachua County, FL
UES Project No: 0210.1000269.0000
UES DOCS No: 878988

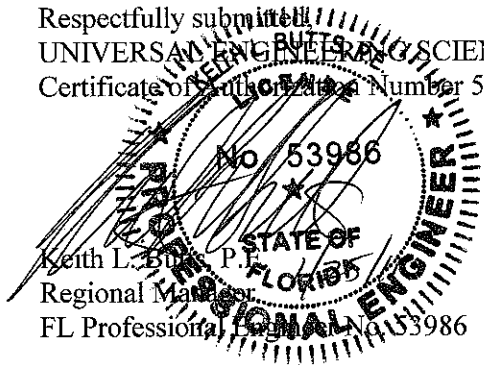
- OFFICES IN
- Daytona Beach, FL
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 - Orlando, FL
 - Palm Coast, FL
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 - Pensacola, FL
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 - Sarasota, FL
 - Tampa, FL
 - West Palm Beach, FL

Dear Mr. Feather:

As per your request, Universal Engineering Sciences, Inc. (UES) collected a sample of the silty clayey sand from the stockpile at O'Steen Brothers' Archer pit. The sample was subjected to a series of classification tests as well as a Limerock Bearing Ratio (LBR) test. The results of the classification testing indicated that the material was a silty clayey sand (SM-SC/A-4). The test results have been attached for your review and use.

We appreciate the opportunity to be of service. If you have any questions, or if we can be of further assistance, please contact us.

Respectfully submitted,
UNIVERSAL ENGINEERING SCIENCES, INC.
Certificate of Authority Number 549



Attachments: Report of Limerock Bearing Ratio (1)
Summary of Laboratory Results (1)



UNIVERSAL ENGINEERING SCIENCES
 4475 S.W. 35TH TERRACE, GAINESVILLE, FL. 32608
 (352) 372-3392 FAX NO:(352) 336-7914

PROJECT NO. : 0210.1000269.0000
REPORT NO: 878755
DATE: 01/24/10

Certificate of Authorization No. 549

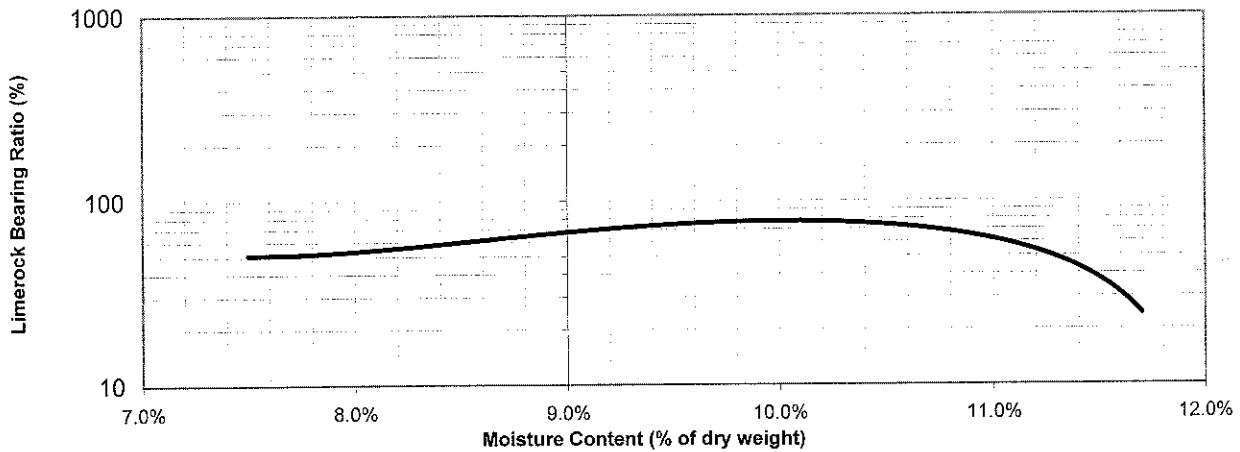
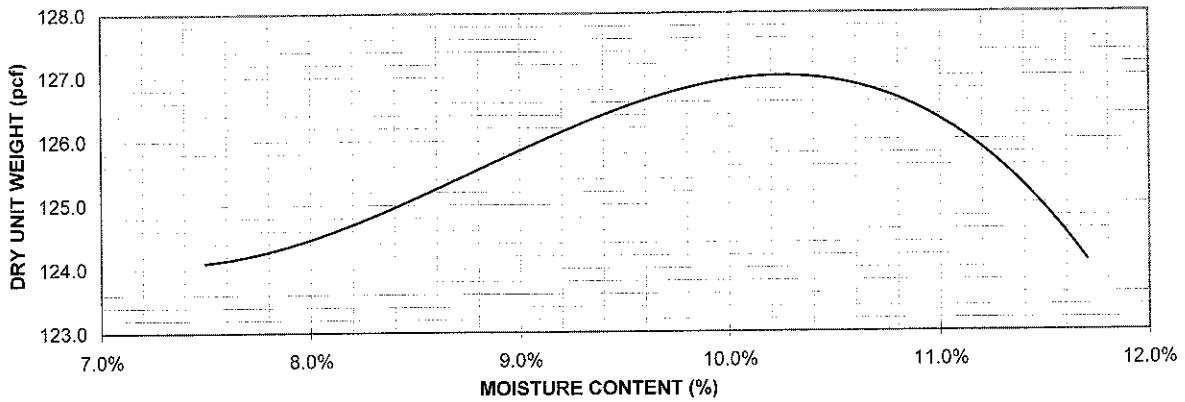
REPORT ON LIMEROCK BEARING RATIO (FM5-515)

CLIENT O'Steen Brothers
 1006 SE 4th Street
 Gainesville, FL 32601

PROJECT: Archer Pit Check
 Archer, FL

DATE TESTED: 01/24/11

SAMPLE LOCATION: Archer Pit
SOIL DESCRIPTION: Tan Orange Silty Clayey Sand



OPT MOISTURE: 10.0
 MAX DENSITY: 127.0

LBR Value: 80
 KEITH L. BUTTS, P.E.
 LICENSE NO. 53986
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Keith L. Butts, P.E. Regional Manager
 Florida Professional Engineer No. 53986



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Project No: 0210.1000269.0000

Report No: 878758

Date: January 24, 2011

SUMMARY OF LABORATORY RESULTS

Client: O'Steen Brothers
1006 SE 4th Street
Gainesville, FL 32601

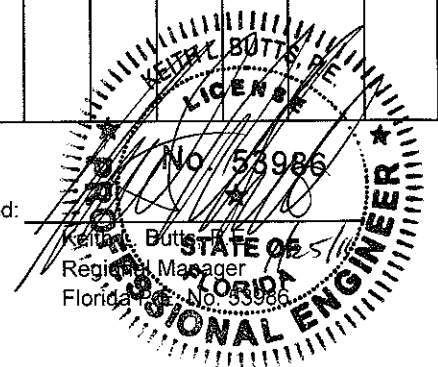
Project: Archer Pit Check, Archer, FL

SAMPLE NO.	SAMPLE DEPTH (FT)	SOIL DESCRIPTION	SAMPLE TYPE*	NATURAL MOISTURE (%)	ATTERBERG LIMITS		COEFFICIENT OF PERMEABILITY (FT/DAY)	SIEVE ANALYSIS (% passing)						AASHTO SOIL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION	
					LIQUID LIMIT (%)	PLASTICITY INDEX (%)		No. 4	No. 10	No. 40	No. 60	No. 100	No. 200			
1.		STOCKPILE Tan Orange Silty Clayey Sand Sampled: 01/19/11		14	23	5	<0.1							37.0	SM-SC	A-4

*SS-Split Spoon
ST-Shelby Tube
A-Auger

Signed: _____

KERRY BUTTS
Regional Manager
Florida Professional Engineer
No. 53986



Technician: /lm

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