



# UNIVERSAL ENGINEERING SCIENCES

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

February 9, 2011

O'Steen Brothers  
1006 SE 4<sup>th</sup> Street  
Gainesville, Florida 32601

Attn: Mr. Rick Evans

Reference: **Pit Check on Archer Tan Sand**  
O'Steen Brothers Archer Pit  
Archer, Alachua County, FL  
UES Project No: 0210.1000269.0000  
UES DOCS No: 881216

Dear Mr. Evans:

As per your request, Universal Engineering Sciences, Inc. (UES) collected a sample of the tan fine sand from a stockpile at O'Steen Brothers' Archer pit. The sample was subjected to a sieve analysis and the results of that testing were compared to the requirements presented in the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction, 2010 Edition). Based on our review of the test data compared to the FDOT requirements for local fine aggregates, listed under Section 902-6 "Local Materials", the tan fine sand sampled and tested meets the FDOT requirements. A copy of the test results compared to the FDOT specified range has 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 Authorization Number 549

  
Keith L. Butts, P.E.  
Regional Manager  
FL Professional Engineer No. 53986

Attachments: Gradation Results (1)

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Project No.: 0210.1000269.0000  
Report No.: 880593  
Date: February 4, 2011

### Certificate of Authorization No. 549

### GRADATION 902-6 (Local Materials)

**Client:** O'Steen Brothers  
1006 SE 4<sup>th</sup> Street  
Gainesville, FL 32601

**Project:** Archer Pit Check

**Location:** Archer, FL

**Date Tested:** 02/04/11

**Material:** Tan Sand

Sieve Size	Percent Passing (%)	FDOT Range (%)
1/2 Inch	100	-
3/8 Inch	100	100
No. 10	100	85-100
No. 200	.7	≤ 15

Technician: /lm



Keith L. Butts, P.E.  
Regional Manager  
Florida P.E. No. 53986