



UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences
Geophysical Services • Materials Testing • Threshold Inspection
Building Code Administration, Compliance Inspection & Plan Review

UES Project No.: 1610.1500101.0000
Date Typed: Monday, September 28,
2015

3040 Business Park Drive Suite F, Norcross, GA 30071 - P: 770.242.6438 - F: 770.242.6980

Construction Materials Testing Services FIELD AND LABORATORY REPORT COVER PAGE

Client: Classic Design Associates
4162 N Arnold Mill Rd
Woodstock, GA 30188

Project: St. Ives Country Club Vacant Lot
1427 Spyglass Hill Drive, Johns Creek, Gwinnett County, GA

As requested, Universal Engineering Sciences, Inc. (UES) representative(s) performed construction materials testing and/or field inspection services on the above project. Testing results and/or inspection observations are reported on the attached sheets. The contents of this package are summarized below:

Scope of Work

Work Order No.	Date	Type of Report
1422500-1	09/24/2015	Field Inspection Report
1422500-1	09/24/2015	Field Inspection Report
1422500-2	09/24/2015	Field Inspection Report
1422500-3	09/24/2015	Field Inspection Report
1422500-4	09/24/2015	Field Inspection Report
1422500-5	09/24/2015	Field Inspection Report
1422500-6	09/24/2015	Field Inspection Report

We hope this information is sufficient for your immediate needs. If you have any questions, please do not hesitate to contact the undersigned.

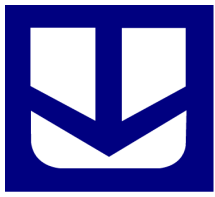
Sincerely,
Universal Engineering Sciences, Inc.

Lisa Simms
Atlanta Project Manager
Atlanta District

Attachments (7)

For the mutual protection of Universal's clients, the general public, and ourselves, our reports are submitted as the confidential property of our clients. Accordingly, authorization for reliance upon, or publication of, all or portions of this report is reserved pending our written approval.

Revised May 2015



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UES Project No: 1610.1500101.0000
UES Report No: 1422500-1 ARC 092415

3040 Business Park Drive Suite F, Norcross, GA 30071 - P: 770.242.6438 - F: 770.242.6980

Activity Record

Client: Classic Design Associates
4162 N Arnold Mill Rd
Woodstock, GA 30188

Project: St. Ives Country Club Vacant Lot
1427 Spyglass Hill Drive, Johns Creek, Gwinnett County, GA

Date of Activity: Thursday, September 24, 2015

Technician: Larry Davis

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of conducting compaction testing at 1427 Spyglass Hill Drive. A total of 6 hand auger borings were conducted on the property soil. According to tests conducted, all areas appear to be capable of withstanding a structure with a load bearing capacity of 2,500 psf with the exception of borings 2, 4, and 6. UES recommended undercutting these areas ranging from 1' to 4'. Boring results are as follows:

Boring 1- 1' 8 blows, 2' 9 blows, 3' 11 blows, 4' 12 blows 5' 11 blows, 6' 12 blows, 7'14 blows, 8' 13 blows, 9' 14 blows, 10' AR. Boring 2- 1' 5 blows, 2' 13 blows 3' 11 blows 4'12 blows, 5' 12 blows, 6' 11 blows, 7' 14 blows, 8' 15 blows, 9' AR. Boring 3- 1' 13 blows, 2' 13 blows, 3' 15 blows, 4' 14 blows, 5' 12 blows, 6' 14 blows, 7' 16 blows, 8'15 blows, 9' auger refusal. Boring 4- 1' 4 blows, 2' 4 blows, 3' 3 blows, 4' 5 blows, 5' 13 blows, 6' 15 blows, 7' 17 blows, 8' 17 blows, 9' AR, boring 5 -1' 7 blows 2' 9 blows, 3'13 blows, 4' 14 blows, 5'12 blows, 6' 16 blows, 7' 17 blows, 8' 15 blows, 9' 15 blows,10 AR. boring 6 1' 5 blows, 2' 6 blows, 3' 11 blows, 4' 12 blows, 5'15 blows, 6' 17 blows, 7'14 blows, 8' 15 blows, 9'16 blows, 10'. A copy of the field report was emailed to the superintendent

This test was performed without deviation from ASTM procedures.

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UES Project No: 1610.1500101.0000
Workorder No: 1422500-1
Report Date: 09/28/2015

HAND AUGER BORINGS

Client: Classic Design Associates

UES Technician: Larry Davis

Date of Inspection: 09/24/2015

Project: 1610.1500101.0000 - St. Ives Country Club Vacant Lot

Geotechnical Report Report reviewed? N

From Whom Did You Receive the Report? Larry Davis

Description of Lot: Virgin Vacant Lot

Was the Building Staked? N

Number of Boring Locations: 1

Location of Auger Borings:

bore 1- 1' 8 blows, 2' 9, 3' 11, 4' 12, 5' 11 , 6' 12, 7'14 , 8' 13, 9' 14 , 10' AR.

Depth of Each Boring: 10.00

Depth of Water Table Below Grade*: N/A

**Note: The groundwater level represents the level at the time of our exploration. Groundwater levels fluctuate seasonally. The level encountered may or may not reflect the seasonal high groundwater condition.*

Borings Terminated 2 Feet Into Native Ground ? N

Soil Description of Soil Encountered:

1st 6' - orange brown yellowish sand, 7-10' red clayey sand

Unsuitable Soils Encountered: N

Sample Obtained? N

Location and Depth of Sample:

LABORATORY TEST RESULTS

Organic Content N/A

Moisture Content N/A

Should the material be removed ?



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UES Project No: 1610.1500101.0000
Workorder No: 1422500-2
Report Date: 09/28/2015

3040 Business Park Drive Suite F, Norcross, GA 30071 - P: 770.242.6438 - F: 770.242.6980

HAND AUGER BORINGS

Client: Classic Design Associates

UES Technician: Larry Davis

Date of Inspection: 09/24/2015

Project: 1610.1500101.0000 - St. Ives Country Club Vacant Lot

Geotechnical Report Report reviewed? N

From Whom Did You Receive the Report? Larry Davis

Description of Lot: Virgin Vacant Lot

Was the Building Staked? N

Number of Boring Locations: 1

Location of Auger Borings:

Boring 2- 1' 5 blows, 2' 13 blows 3' 11 blows 4'12 blows, 5' 12, 6' 11, 7' 14 , 8' 15 blows, 9' AR.

Depth of Each Boring: 10.00

Depth of Water Table Below Grade*: N/A

**Note: The groundwater level represents the level at the time of our exploration. Groundwater levels fluctuate seasonally. The level encountered may or may not reflect the seasonal high groundwater condition.*

Borings Terminated 2 Feet Into Native Ground ? N

Soil Description of Soil Encountered:

1st 7' - orange yellowish sandy sand, 8-10' orange yellowish sand w/ red clay

Unsuitable Soils Encountered: N

Sample Obtained? N

Location and Depth of Sample:

LABORATORY TEST RESULTS

Organic Content N/A

Moisture Content N/A

Should the material be removed ?



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UES Project No: 1610.1500101.0000
Workorder No: 1422500-3
Report Date: 09/28/2015

3040 Business Park Drive Suite F, Norcross, GA 30071 - P: 770.242.6438 - F: 770.242.6980

HAND AUGER BORINGS

Client: Classic Design Associates

UES Technician: Larry Davis

Date of Inspection: 09/24/2015

Project: 1610.1500101.0000 - St. Ives Country Club Vacant Lot

Geotechnical Report Report reviewed? N

From Whom Did You Receive the Report? Larry Davis

Description of Lot: Virgin Vacant Lot

Was the Building Staked? N

Number of Boring Locations: 1

Location of Auger Borings:

Boring 3- 1' 13 blows, 2' 13 blows, 3' 15 blows, 4' 14 , 5' 12, 6' 14, 7' 16, 8'15 blows, 9'Ar.

Depth of Each Boring: 10.00

Depth of Water Table Below Grade*: N/A

**Note: The groundwater level represents the level at the time of our exploration. Groundwater levels fluctuate seasonally. The level encountered may or may not reflect the seasonal high groundwater condition.*

Borings Terminated 2 Feet Into Native Ground ? N

Soil Description of Soil Encountered:

red orange sandy clay throughout

Unsuitable Soils Encountered: N

Sample Obtained? N

Location and Depth of Sample:

LABORATORY TEST RESULTS

Organic Content N/A

Moisture Content N/A

Should the material be removed ?



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UES Project No: 1610.1500101.0000
Workorder No: 1422500-4
Report Date: 09/28/2015

3040 Business Park Drive Suite F, Norcross, GA 30071 - P: 770.242.6438 - F: 770.242.6980

HAND AUGER BORINGS

Client: Classic Design Associates

UES Technician: Larry Davis

Date of Inspection: 09/24/2015

Project: 1610.1500101.0000 - St. Ives Country Club Vacant Lot

Geotechnical Report Report reviewed? N

From Whom Did You Receive the Report? Larry Davis

Description of Lot: Virgin Vacant Lot

Was the Building Staked? N

Number of Boring Locations: 1

Location of Auger Borings:

Boring 4- 1' 4 blows, 2' 4 blows, 3' 3 blows, 4' 5, 5' 13, 6' 15, 7' 17, 8' 17 blows, 9' AR,

Depth of Each Boring: 10.00

Depth of Water Table Below Grade*: N/A

**Note: The groundwater level represents the level at the time of our exploration. Groundwater levels fluctuate seasonally. The level encountered may or may not reflect the seasonal high groundwater condition.*

Borings Terminated 2 Feet Into Native Ground ? N

Soil Description of Soil Encountered:

1st 4' -orange brownish sandy w/ silt, 5-10' reddish orange clayey sand w/ brown tan sand

Unsuitable Soils Encountered: N

Sample Obtained? N

Location and Depth of Sample:

LABORATORY TEST RESULTS

Organic Content N/A

Moisture Content N/A

Should the material be removed ?



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3040 Business Park Drive Suite F, Norcross, GA 30071 - P: 770.242.6438 - F: 770.242.6980

UES Project No: 1610.1500101.0000
Workorder No: 1422500-5
Report Date: 09/28/2015

HAND AUGER BORINGS

Client: Classic Design Associates

UES Technician: Larry Davis

Date of Inspection: 09/24/2015

Project: 1610.1500101.0000 - St. Ives Country Club Vacant Lot

Geotechnical Report Report reviewed? N

From Whom Did You Receive the Report? Larry Davis

Description of Lot: Virgin Vacant Lot

Was the Building Staked? N

Number of Boring Locations: 1

Location of Auger Borings:

boring 5 -1' 7 blows 2' 9 , 3'13, 4' 14, 5'12 , 6' 16, 7' 17 , 8' 15, 9' 15 blows,10 AR.

Depth of Each Boring: 10.00

Depth of Water Table Below Grade*: N/A

**Note: The groundwater level represents the level at the time of our exploration. Groundwater levels fluctuate seasonally. The level encountered may or may not reflect the seasonal high groundwater condition.*

Borings Terminated 2 Feet Into Native Ground ? N

Soil Description of Soil Encountered:

1-5' - tanish red clayey sand, 6-10' red clayey sand w/ brown sand

Unsuitable Soils Encountered: N

Sample Obtained? N

Location and Depth of Sample:

LABORATORY TEST RESULTS

Organic Content N/A

Moisture Content N/A

Should the material be removed ?



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UES Project No: 1610.1500101.0000
Workorder No: 1422500-6
Report Date: 09/28/2015

3040 Business Park Drive Suite F, Norcross, GA 30071 - P: 770.242.6438 - F: 770.242.6980

HAND AUGER BORINGS

Client: Classic Design Associates

UES Technician: Larry Davis

Date of Inspection: 09/24/2015

Project: 1610.1500101.0000 - St. Ives Country Club Vacant Lot

Geotechnical Report Report reviewed? N

From Whom Did You Receive the Report? Larry davis

Description of Lot: Virgin Vacant Lot

Was the Building Staked? N

Number of Boring Locations: 1

Location of Auger Borings:

boring 6 1' 5 blows, 2' 6 blows, 3' 11, 4' , 5'15, 6' , 7'14, 8' 15, 9'16 blows, 10' AR.

Depth of Each Boring: 10.00

Depth of Water Table Below Grade*: N/A

**Note: The groundwater level represents the level at the time of our exploration. Groundwater levels fluctuate seasonally. The level encountered may or may not reflect the seasonal high groundwater condition.*

Borings Terminated 2 Feet Into Native Ground ? N

Soil Description of Soil Encountered:

tan brown sand w red orange clayey sand throughtout

Unsuitable Soils Encountered: N

Sample Obtained? N

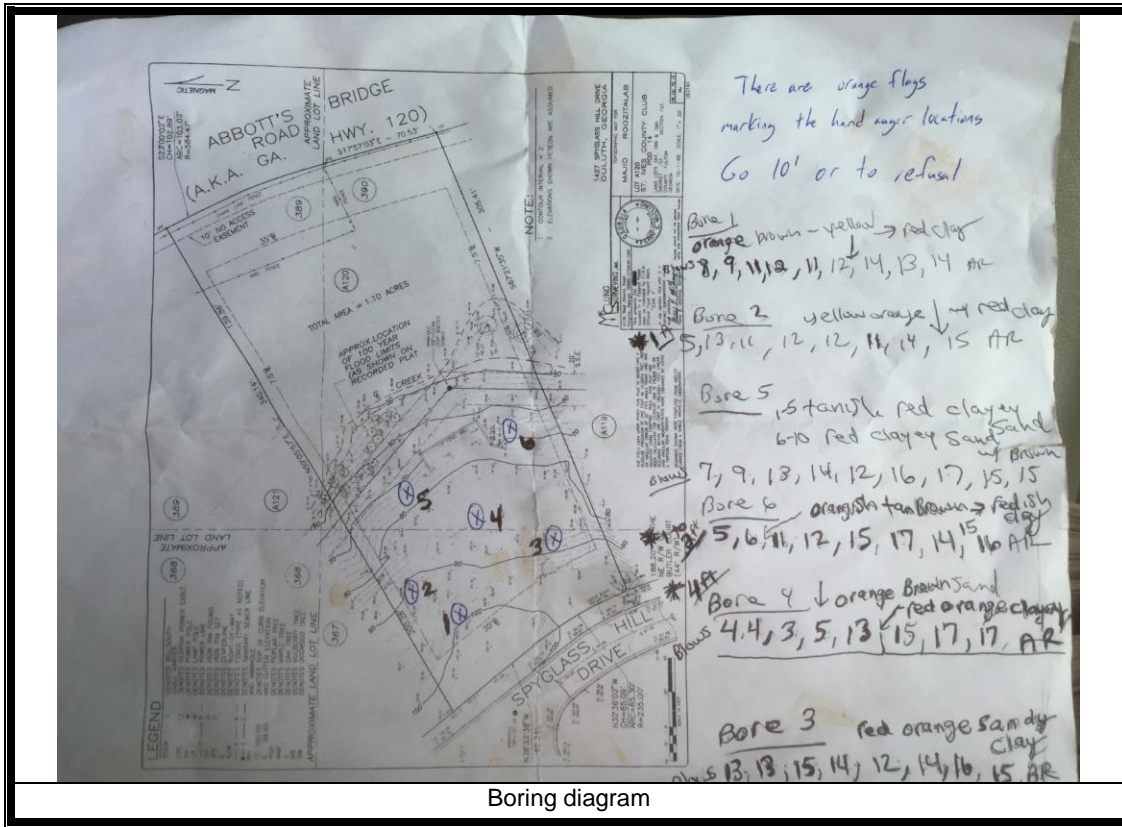
Location and Depth of Sample:

LABORATORY TEST RESULTS

Organic Content N/A

Moisture Content N/A


Should the material be removed ?



Boring diagram



Vacant lot

	<p>ACTIVITY REPORT St. Ives Country Club 1427 Spyglass Hill Drive Johns Creek, GA</p>	<p>FOR :</p> <p>Classic Design Associates</p>
	<p>SITE PHOTOGRAPHS</p>	<p>PROJECT NO : 1610.1500101.0000</p>
		<p>REPORT NO : 1422500-1 DATE : 09/24/15</p>