



ADDENDUM # 1
IFB #11-15—ANIMAL SHELTER ADDITION
CITY OF HOPEWELL

MAY 15, 2015

The City of Hopewell has received and reviewed the below questions/requests related to IFB #11-15 – Animal Shelter Addition, and offers the following responses as Addendum #1. Please acknowledge receipt of this addendum by signing and including the last page as part of your bid response.

1. REQUEST FOR SOIL BORING / GEOTECH INFORMATION – See attached.
2. CLARIFICATION ON ENGINEERED FILL- The contractor is to supply the fill material. The owner’s engineer will approve specification prior to installation in the excavation area. Contractor can use existing soil, if proven to be suitable.
3. CLARIFICATION ON EARTH GRADING DEPOSIT LOCATION BY CITY- Soil to be stockpiled at an approved area within the public works yard. Site will be within 200 yards of the building site.
4. CLARIFICATION ON CONNECTION TO UTILITIES- Water is to be connected directly behind the water meter in the front of the existing building, and the sewer is to be connected to the existing service lateral at any point in the front of the building.
5. CLARIFICATION OF SEWER LOCATION- Sewer exits the front of the existing building and runs down to the street.
6. CLARIFICATION ON CONNECTION FEES FOR UTILITIES- Only the electrical connection fees are to be paid for by the contractor. All other utility connection fees will be paid by the owner.
7. CLARIFICATION ON PRIOR REMOVAL AND RELOCATION OF TREE ADJACENT SITE BY CITY- Tree will be removed by the city prior to notice to proceed.
8. CLARIFICATION ON AMOUNT OF ROAD SHIFTING TO NORTH- Owner will modify existing site access as needed, once the construction is complete.
9. CLARIFICATION THAT ELEVATION CHANGE SWAIL WILL OCCUR BETWEEN ROADWAY AND SITE / PAD LEVEL WITH EXISTING BUILDING SLAB ELEVATION -Confirmed, exact location to be determined in the field after final grading for the building and sidewalks has been accomplished.

10. CLARIFICATION OF RELOCATION OF EXISTING COMPRESSOR UNIT BY CITY- HVAC unit in back of existing structure will be moved out of the way of new project. Contractor to take necessary measures to protect unit once moved.
11. USE OF DURALAST EPOXY FLOORING AS AN ALTERNATIVE COATING- Bidders are to only use material that is required in the plans. Owner will consider substitutions once the contract is awarded.
12. CONFIRMATION THAT ADDENDUM WILL BE PDF FORMAT- Correct.
13. CONFIRMATION THAT NO ADDITIONAL CIVIL DOCS WILL BE PRODUCED – Correct.
14. STAINLESS STEEL IS SPECIFIED HERE A SPECIFIC ALLOY OF STAINLESS, I.E., #304? 304 acceptable.
15. CHAIN LINK CONSTRUCTION IS SPECIFIED-MAY A 2"X8' WELDED MESH BE USED? Provide alternative welded mesh system for review...stainless steel material.
16. I DID NOT SEE A GAUGE SPECIFIED- Wire diameter 5mm (6 gauge +/-) w/ 2 IN opening.
17. LATCH MECHANISM FOR THE GATES? Auto latch 1-3/8 gate frame x 1-3/8 latch post or equal.
18. IS THERE A SPECIFICATION ON THE GATE ASSEMBLY, I.E., HINGE TYPE, HANDLE, ETC.? Single swing gate with truss rod cross bracing in gate panel.
19. DO SUPPLIERS DEAL WITH POTENTIAL GENERAL CONTRACTORS OR THE CITY? General contractor.
20. WILL THE 3RD PARTY INSPECTIONS BE PAID FOR BY THE CITY OF HOPEWELL? Yes.
21. PLEASE CONFIRM THE CONTRACTORS BUILDER'S RISK INSURANCE IS ONLY FOR THE VALUE OF THE PROJECT AND DOES NOT COVER THE EXISTING BUILDING. Builder's risk insurance is only required for the new construction. Insurance for the existing building is not required in this contract.
22. ARE LIQUIDATED DAMAGES ASSOCIATED WITH THIS PROJECT? There are no liquidated damages on this contract.
23. HOW LONG DO THE CONTRACTORS NEED TO HOLD THEIR PRICE? THE SPECS REFERENCED 30, 60 AND 120 DAYS. Prices are to be held for 120 days.

24. SHEET SI-1 OF THE PLANS SHOW WATER, SEWER AND POWER CONNECTIONS BUT THERE IS NO OTHER INFORMATION ON THESE UTILITIES. PLEASE CONFIRM THESE UTILITIES ARE NOT TO BE INCLUDED IN THE BID. *See responses above.*
25. THE PLANS DO NOT SHOW ANY SITEWORK SUCH AS GRADING, EROSION CONTROL, STORM SEWER AND UTILITIES SO IS THE SITEWORK BEING HANDLED BY THE CITY OF HOPEWELL UNDER A SEPARATE CONTRACT? *Contractor is to acquire storm water and erosion control permits and install required measures as a part of base bid. Contractor is to restore existing site to allow sufficient drainage and provide seeding to stabilize the soil from erosion.*
26. COULD YOU PLEASE PROVIDE AN ESTIMATED COST OF THE PROJECT? IF NOT AVAILABLE, COULD YOU PLEASE LET ME KNOW WHAT THE RANGE MIGHT BE? *A budgeted amount for the cost of this project has not been determined.*
27. REQUEST FOR MANDATORY PRE-BID SIGN-IN SHEET- *A copy of the mandatory pre-bid sign-in sheet is attached to this Addendum.*

IFB # 11-15 ANIMAL SHELTER ADDITION

MANDATORY PRE-BID CONFERENCE

SIGN IN SHEET

Please Print

Business Name and EMAIL

Representative Name and Title

Mailing Address

Time

KENBRIDGE CONST

BILLY MARSHALL

10:45

ESTIMATING@Kenbridge
.com

P.O. Box 480

Kenbridge, Va 23944

434 676-8221

434-676-8815 F

WILLIAM JONES

William Jones Corp

10:15

Gregg M Hicks

Jose Perez

jperez@Grepn.net
G Hicks@Grepn.net

208 EAST CLAY ST STE A
Richmond VA 23219

ted@brooks-co.com

BROOKS COMPANY

TED PRICE VP ESTIMATOR

10:50

GENERAL CONTRACTORS

4801 HERMITAGE RD RICH VA 23227

Please Print

Business Name and EMAIL

Representative Name and Title

Mailing Address

Time

Bobby Waldo

Estimating@HomeLandContracting.com

625 Innovation Dr.

Chesapeake, Va 23320

10:45

James Franck

alan.miller@akainintl.com

1012 Lafayette Blvd

Fredericksburg, Va 22401

10:45

Tommy COLLATHE

CANTERBURY TRULATHER@CBOUY.NET-CHESTER VA

10:50

CHRIS SUBER

ADMIN@CFDSI-VA.COM

CONSTRUCTION DEVELOPMENT SERVICES

7100 E. VA. BEACH BLVD

NORFOLK VA 23502

757 459 2374 P

757 459 8214 F

10:52

ARW Contracting, Inc.

Chris Alford - Project Manager

10:55

Chris_arwcontractinginc@comcast.net

13201 Old Stage Rd, Chester VA 23834

804-706-9646 (F); 804-706-9648



Report of Geotechnical Study

Proposed Additions to Hopewell Animal Shelter

Hopewell, Virginia

F&R Project No. 60S-0450

Prepared For:

City of Hopewell

300 N. Main Street

Hopewell, Virginia 23860

Prepared By:

Froehling & Robertson, Inc.

3015 Dumbarton Road

Richmond, Virginia 23228

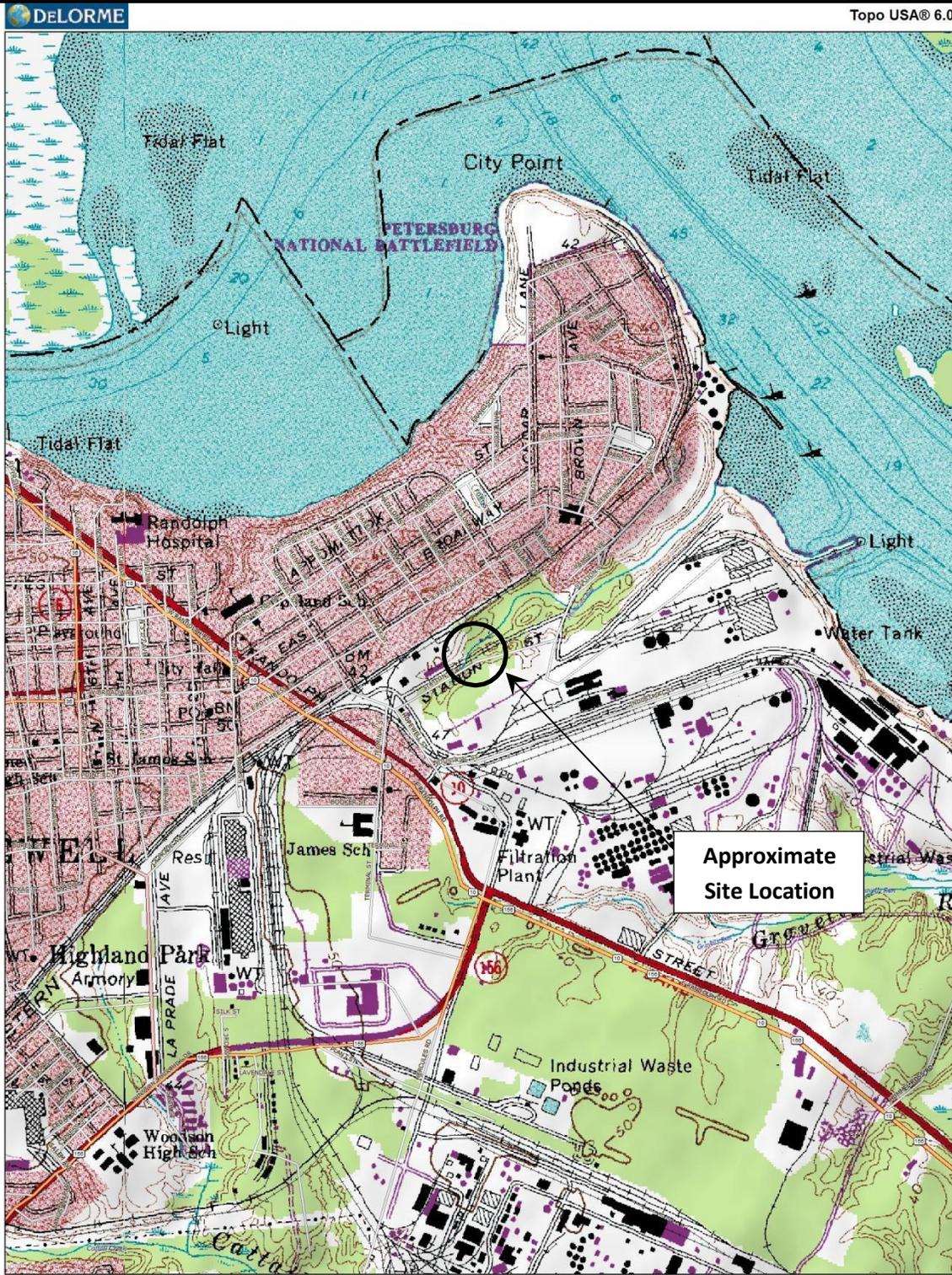
December 2014

APPENDIX I

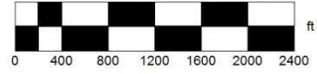


Project No: 60S-0450
Client: City of Hopewell
Project: Animal Shelter Building Additions
City/State: Hopewell, Virginia

Source: DeLORME
Scale: As Shown
Date: December 2014



Data use subject to license.
© 2006 DeLorme. Topo USA® 6.0.
www.delorme.com



Data Zoom 14-5



Project No: 60S-0450
Client: City of Hopewell
Project: Animal Shelter Building Additions
City/State: Hopewell, Virginia

Source: GoogleEarth
Scale: Not to Scale
Date: December 2014



 - Approximate Boring Location



CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES
 ASTM Designation: D 2487
 (Based on the Unified Soil Classification System)

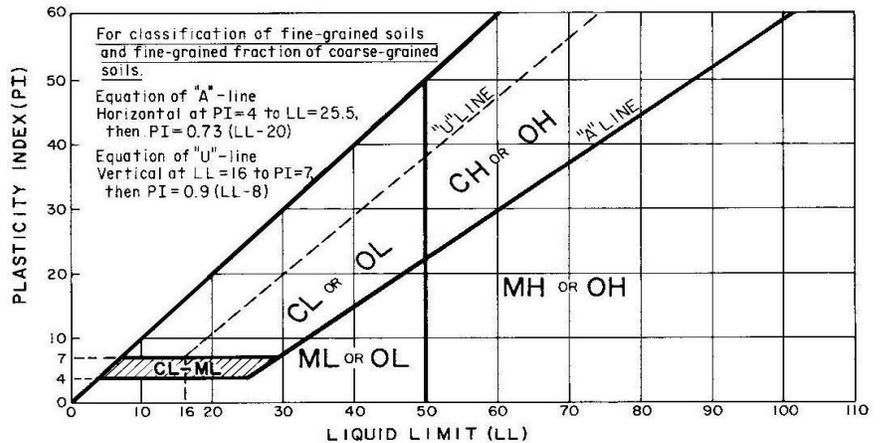
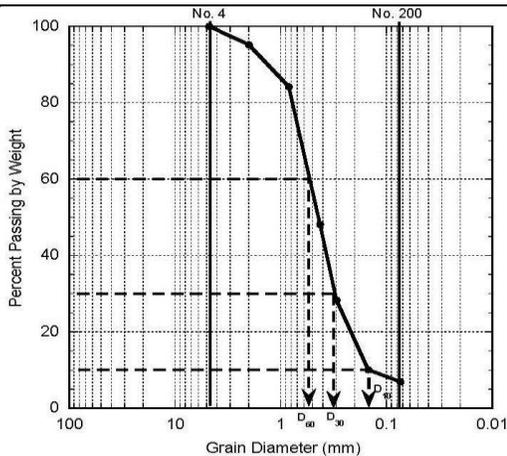
FROEHLING & ROBERTSON, INC.
 Engineering Stability Since 1881

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A				Soil	Group Name ^B	
				Group Symbol		
COARSE-GRAINED SOILS More than 50% retained on the No. 200 sieve	Gravels (More than 50% of coarse fraction retained on No. 4 sieve)	Clean gravels (Less than 5% fines ^C)	$Cu \geq 4$ and $1 \leq Cc \leq 3^D$	GW	Well-graded gravel ^E	
			$Cu < 4$ and/or $[Cc < 1 \text{ or } Cc > 3]^D$	GP	Poorly graded gravel ^E	
		Gravels with fines (More than 12% fines ^C)	Fines classify as ML or MH	GM	Silty gravel ^{E,F,G}	
			Fines classify as CL or CH	GC	Clayey gravel ^{E,F,G}	
	Sands (50% or more of coarse fraction passes No. 4 sieve)	Clean Sands (Less than 5% fines ^H)	$Cu \geq 6$ and $1 \leq Cc \leq 3^D$	SW	Well-graded sand ^I	
			$Cu < 6$ and/or $[Cc < 1 \text{ or } Cc > 3]^D$	SP	Poorly graded sand ^I	
		Sands with fines (More than 12% fines ^H)	Fines classify as ML or MH	SM	Silty sand ^{F,G,I}	
			Fines classify as CL or CH	SC	Clayey sand ^{F,G,I}	
FINE-GRAINED SOILS 50% or more passes the No. 200 sieve	Silts and Clays Liquid limit less than 50	Inorganic	$PI > 7$ and plots on or above "A" line ^J	CL	Lean clay ^{K,L,M}	
			$PI < 4$ or plots below "A" line ^J	ML	Silt ^{K,L,M}	
		Organic	Liquid limit – oven dried < 0.75 OL			Organic clay ^{K,L,M,N}
			Liquid limit – not dried			Organic silt ^{K,L,M,O}
	Silts and Clays Liquid limit 50 or more	Inorganic	PI plots on or above "A" line	CH	Fat clay ^{K,L,M}	
			PI plots below "A" line	MH	Elastic silt ^{K,L,M}	
		Organic	Liquid limit – oven dried < 0.75 OH			Organic clay ^{K,L,M,P}
			Liquid limit – not dried			Organic silt ^{K,L,M,Q}
HIGHLY ORGANIC SOILS	Primarily organic matter, dark in color, and organic in odor			PT	Peat	

^A Based on the material passing the 3-in. (75-
^B If field sample contained cobbles or boulder add "with cobbles or boulders, or both" to group name.
^C Gravels with 5 to 12 % fines require dual symbols:
 GW-GM well-graded gravel with silt
 GW-GC well-graded gravel with clay
 GP-GM poorly graded gravel with silt
 GP-GC poorly graded gravel with clay
^D $Cu = \frac{D_{60}}{D_{10}}$ $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$
^E If soil contains $\geq 15\%$ sand, add "with sand" to group name.
^F If fines classify as CL-ML, use dual symbol G or SC-SM.

^G If fines are organic, add "with organic fines" to group name.
^H Sands with 5 to 12 % fines require dual symbols:
 SW-SM well-graded sand with silt
 SW-SC well-graded sand with clay
 SP-SM poorly graded sand with silt
 SP-SC poorly graded sand with clay
^I If soil contains $\geq 15\%$ gravel, add "with gravel" to group name.
^J If Atterburg limits plot in hatched area, soil is a CL-ML, silty clay.

^K If soil contains 15 to < 30 % plus No. 200, add "with sand" or "with gravel", whichever is predominant.
^L If soil contains $\geq 30\%$ plus No. 200, predominantly sand, add "sandy" to group name.
^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel add "gravelly" to group name.
^N $PI \geq 4$ and plots on or above "A" line.
^O $PI < 4$ or plots below "A" line.
^P PI plots on or above "A" line.
^Q PI plots below "A" line.





KEY TO BORING LOG SOIL CLASSIFICATION

Particle Size and Proportion

Visual descriptions are assigned to each soil sample or stratum based on estimates of the particle size of each component of the soil and the percentage of each component of the soil.

Particle Size		Proportion		
Descriptive Terms		Descriptive Terms		
Soil Component	Particle Size	Component	Term	Percentage
Boulder	> 12 inch	Major	Uppercase Letters (e.g., SAND, CLAY)	> 50%
Cobble	3 - 12 inch	Secondary	Adjective (e.g., sandy, clayey)	20% - 50%
Gravel-Coarse	3/4 - 3 inch			
-Fine	#4 - 3/4 inch			
Sand-Coarse	#10 - #4	Minor	Some Little Trace	15% - 25% 5% - 15% 0% - 5%
-Medium	#40 - #10			
-Fine	#200 - #40			
Silt (non-cohesive)	< #200			
Clay (cohesive)	< #200			

Notes:

- Particle size is designated by U.S. Standard Sieve Sizes
- Because of the small size of the split-spoon sampler relative to the size of gravel, the true percentage of gravel may not be accurately estimated.

Density or Consistency

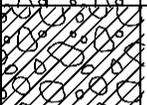
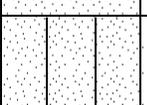
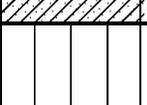
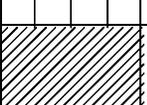
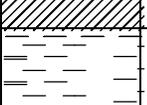
The standard penetration resistance values (N-values) are used to describe the density of coarse-grained soils (GRAVEL, SAND) or the consistency of fine-grained soils (SILT, CLAY). Sandy silts of very low plasticity may be assigned a density instead of a consistency.

DENSITY		CONSISTENCY	
Term	N-Value	Term	N-Value
Very Loose	0 - 4	Very Soft	0 - 1
Loose	5 - 10	Soft	2 - 4
Medium Dense	11 - 30	Firm	5 - 8
Dense	31 - 50	Stiff	9 - 15
Very Dense	> 50	Very Stiff	16 - 30
		Hard	> 30

Notes:

- The N-value is the number of blows of a 140 lb. Hammer freely falling 30 inches required to drive a standard split-spoon sampler (2.0 in. O.D., 1-3/8 in. I.D.) 12 inches into the soil after properly seating the sampler 6 inches.
- When encountered, gravel may increase the N-value of the standard penetration test and may not accurately represent the in-situ density or consistency of the soil sampled.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
<p>COARSE GRAINED SOILS</p> <p>MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE</p>	<p>GRAVEL AND GRAVELLY SOILS</p> <p>MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE</p>	<p>CLEAN GRAVELS</p> <p>(LITTLE OR NO FINES)</p>		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		<p>GRAVELS WITH FINES</p> <p>(APPRECIABLE AMOUNT OF FINES)</p>		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		<p>CLEAN SANDS</p> <p>(LITTLE OR NO FINES)</p>		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		<p>SANDS WITH FINES</p> <p>(APPRECIABLE AMOUNT OF FINES)</p>		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
	<p>FINE GRAINED SOILS</p> <p>MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE</p>	<p>SILTS AND CLAYS</p> <p>LIQUID LIMIT LESS THAN 50</p>		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
		<p>SILTS AND CLAYS</p> <p>LIQUID LIMIT GREATER THAN 50</p>		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
<p>EXISTING FILL</p>				FILL	EXISTING FILL MATERIALS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS



Project No: 60S-0450

Elevation:

Drilling Method: HSA 3-1/4" ID

Client: City of Hopewell

Total Depth: 2.5'

Hammer Type: Automatic

Project: Hopewell Animal Shelter Building Additions

Date Drilled: 11/18/14

City/State: Hopewell, Virginia

Boring Location: See Boring Location Plan

Driller: Sequist

Elevation	Depth	Description of Materials (Classification)	* Sample Blows	Sample Depth (feet)	N-Value (blows/ft)	Remarks
	0.5	Surficial Soil	2-3-2 -3	0.0	5	Upon initial auger refusal the boring was offset 10 feet west, with auger refusal encountered on concrete at 2.5 feet
		FILL: Loose, Dark Brown, Clayey Fine to Medium SAND, trace Gravel, little Organics - Moist (SC-FILL)		2.0		Subsurface water not encountered during drilling operations
	2.5	Auger refusal at 2.5 feet on concrete. Boring backfilled upon completion.				Cave in depth was at 1.5 feet

BORING LOG (LONG NAME) 60S-0450.GPJ F&R.GDT 12/15/14

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments.

The sum of the second and third increments of penetration is termed the standard penetration resistance, N-Value.



Project No: 60S-0450

Elevation:

Drilling Method: HSA 3-1/4" ID

Client: City of Hopewell

Total Depth: 4.0'

Hammer Type: Automatic

Project: Hopewell Animal Shelter Building Additions

Date Drilled: 11/18/14

City/State: Hopewell, Virginia

Boring Location: See Boring Location Plan

Driller: Sequist

Elevation	Depth	Description of Materials (Classification)	* Sample Blows	Sample Depth (feet)	N-Value (blows/ft)	Remarks
	0.5	Surficial Soil	2-3-4 -5	0.0	7	Subsurface water not encountered during drilling operations
		FILL: Firm, Brown, Sandy Lean to Fat CLAY, trace Gravel - Moist (CL/CH-FILL)				
	2.0	Very Dense, Dark Brown, Clayey Fine SAND, trace Silt, trace Gravel - Moist (SC-FILL)	6-10-50/3	2.0	100+	
	4.0	Auger refusal at 4 feet on concrete. Boring backfilled upon completion.		4.0		Cave in depth was at 2.8 feet

BORING LOG (LONG NAME) 60S-0450.GPJ F&R.GDT 12/15/14

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N-Value.



Project No: 60S-0450

Elevation:

Drilling Method: HSA 3-1/4" ID

Client: City of Hopewell

Total Depth: 6.0'

Hammer Type: Automatic

Project: Hopewell Animal Shelter Building Additions

Date Drilled: 11/18/14

City/State: Hopewell, Virginia

Boring Location: See Boring Location Plan

Driller: Sequist

Elevation	Depth	Description of Materials (Classification)	* Sample Blows	Sample Depth (feet)	N-Value (blows/ft)	Remarks
	0.5	Surficial Soil	2-2-3 -3	0.0	5	Upon initial auger refusal, the boring was offset 5 feet north, with auger refusal encountered on concrete at 4 feet
		FILL: Loose, Brown, Clayey Fine to Coarse SAND, trace Gravel - Moist (SC-FILL)				
	2.0	Medium Dense to Very Dense, Silty Fine to Medium SAND, little Gravel - Moist (SM-FILL)	8-8-6 -12	2.0	14	Subsurface water not encountered during drilling operations
			2-23-50/1	4.0	100+	Cave in depth was at 4.5 feet
	6.0	Auger refusal at 6 feet on concrete. Boring backfilled upon completion.		6.0		

BORING_LOG (LONG NAME)_60S-0450.GPJ F&R.GDT 12/15/14

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N-Value.



Project No: 60S-0450

Elevation:

Drilling Method: HSA 3-1/4" ID

Client: City of Hopewell

Total Depth: 6.0'

Hammer Type: Automatic

Project: Hopewell Animal Shelter Building Additions

Date Drilled: 11/18/14

City/State: Hopewell, Virginia

Boring Location: See Boring Location Plan

Driller: Sequist

Elevation	Depth	Description of Materials (Classification)	* Sample Blows	Sample Depth (feet)	N-Value (blows/ft)	Remarks	
	0.6	Surficial Soil	2-3-2 -5	0.0	5	Subsurface water not encountered during drilling operations	
		FILL: Loose, Dark Brown, Clayey Fine to Medium SAND, little Organics - Moist (SC-FILL)					
	2.0	Firm, Brown, Sandy Lean to Fat CLAY, trace Gravel - Moist (CL/CH-FILL)	3-3-5 -6	2.0	8		
	4.0	Very Dense, Green, Silty Fine SAND, trace Concrete - Moist (SM-FILL)	5-12-50/5	4.0	100+	Cave in depth was at 4.3 feet	
	6.0	Auger refusal at 6 feet. Boring backfilled upon completion.					

BORING_LOG (LONG NAME) 60S-0450.GPJ F&R.GDT 12/15/14

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments.

The sum of the second and third increments of penetration is termed the standard penetration resistance, N-Value.



Project No: 60S-0450

Elevation:

Drilling Method: HSA 3-1/4" ID

Client: City of Hopewell

Total Depth: 6.0'

Hammer Type: Automatic

Project: Hopewell Animal Shelter Building Additions

Date Drilled: 11/18/14

City/State: Hopewell, Virginia

Boring Location: See Boring Location Plan

Driller: Sequist

Elevation	Depth	Description of Materials (Classification)	* Sample Blows	Sample Depth (feet)	N-Value (blows/ft)	Remarks
	0.5	Surficial Soil	5-5-4 -4	0.0	9	Upon initial auger refusal, the boring was offset 4 feet west, with auger refusal encountered on concrete at 3.5 feet
		FILL: Loose, Dark Brown and Brown, Clayey Fine SAND, trace Silt, little Organics - Moist (SC-FILL)				
			2-2-3 -25	2.0	5	Subsurface water not encountered during drilling operations
	4.0	Very Dense, Brown and Gray, Silty Fine SAND, some Concrete Fragments - Moist (SM-FILL)	50/3	4.0	100+	Cave in depth was at 3.8 feet
	6.0	Auger refusal at 6 feet on concrete. Boring backfilled upon completion.				

BORING LOG (LONG NAME) 60S-0450.GPJ F&R.GDT 12/15/14

*Number of blows required for a 140 lb hammer dropping 30" to drive 2" O.D., 1.375" I.D. sampler a total of 18 inches in three 6" increments. The sum of the second and third increments of penetration is termed the standard penetration resistance, N-Value.

*IFB #11-15 – Animal Shelter Addition – Addendum #1
City of Hopewell, Virginia
May 15, 2015*

Please sign and include this form as part of your bid response to verify receipt of Addendum # 1.



April L. Cone,
Purchasing Officer

Signature of Receipt of Addendum # 1

Date

Company Name