



RECORD OF SUBSURFACE EXPLORATION

Virginia Beach
204 Grayson Road
Virginia Beach, VA 23642
757-518-1703

Williamsburg
1592-E Penniman Road
Williamsburg, VA 23185
757-564-6452

Elizabeth City
106 Capital Trace Unit E
Elizabeth City, NC 27909
252-335-9765

Jacksonville
415-A Western Blvd
Jacksonville, NC 28546
910-478-9915

BORING ID CBR-1

PROJECT NAME: Franklin Boulevard Realignment - VA Medical Center Site Improvements

PROJECT NUMBER: WM14-160G

CLIENT: Call Signs Engineers

SURFACE ELEVATION (MSL) (ft): _____

PROJECT LOCATION: Hampton, Virginia

LOGGED BY: J. Wheeler

BORING LOCATION: See Attached Boring Location Plan

DATE STARTED: 8/27/2014

DRILLING METHOD(S): Rotary wash "mud"

DATE COMPLETED: 8/27/2014

GROUNDWATER*: INITIAL (ft) ∇ : _____ AFTER _____ HOURS (ft) ∇ : _____ CAVE-IN (ft) \odot : _____

DRILLER: Earthcon

The initial groundwater readings are not intended to indicate the static groundwater level.

Elevation (ft)	Depth (ft)	STRATA DESCRIPTION	Strata Legend	Sample ID	Sample Type	Sample Recovery (in.)	Blow Counts (N-Values)	%<#200	TEST RESULTS	
									Plastic Limit \times — \times Liquid Limit	Water Content - \bullet
									Penetration -	
									10 20 30 40 50 60 70	
	0.2	2-in Asphalt								
		10-Aggregate Base Material								
	1.0	Dark gray, moist, Poorly graded, fine to coarse SAND (SP-SM) with Gravel and Silt, medium dense to very dense "FILL"		1	17	57-61-72-7 (133)		7		
	4.0	Mottled, gray and brown, moist, Sandy lean CLAY (CL), stiff		2	15	5-7-7-8 (14)				
	5									
	6.0	Boring terminated at 6 feet below existing grade.								

Sample Type(s):

Notes:

SS - Split Spoon

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







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BORING ID CBR-2

PROJECT NAME: Franklin Boulevard Realignment - VA Medical Center Site Improvements
CLIENT: Call Signs Engineers
PROJECT LOCATION: Hampton, Virginia
BORING LOCATION: See Attached Boring Location Plan
DRILLING METHOD(S): Rotary wash "mud"
GROUNDWATER*: INITIAL (ft) ∇ : 5.5 AFTER HOURS (ft) ∇ : CAVE-IN (ft) \odot :
The initial groundwater readings are not intended to indicate the static groundwater level.

PROJECT NUMBER: WM14-160G
SURFACE ELEVATION (MSL) (ft):
LOGGED BY: J. Wheeler
DATE STARTED: 8/27/2014
DATE COMPLETED: 8/27/2014
DRILLER: Earthcon

Elevation (ft)	Depth (ft)	STRATA DESCRIPTION	Strata Legend	Sample ID	Sample Type	Sample Recovery (in.)	Blow Counts (N-Values)	%<#200	TEST RESULTS									
									Plastic Limit	X	X	Liquid Limit						
									Water Content -	●								
									Penetration -		10	20	30	40	50	60	70	
	0.3	3-in Topsoil																
		Brown and dark gray, moist, Clayey fine to medium SAND (SC) with trace organics and brick fragments, loose "FILL"		1			2-3-3-5 (6)	40										
				2			2-2-5-5 (7)											
	4.0	Brown, moist to wet, Clayey fine to medium SAND (SC), loose																
	5			3			2-3-2-3 (5)											
	6.0	Boring terminated at 6 feet below existing grade.																

Sample Type(s):

SS - Split Spoon

Notes:



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BORING ID CBR-3

PROJECT NAME: Franklin Boulevard Realignment - VA Medical Center Site Improvements
CLIENT: Call Signs Engineers
PROJECT LOCATION: Hampton, Virginia
BORING LOCATION: See Attached Boring Location Plan
DRILLING METHOD(S): Rotary wash "mud"
GROUNDWATER*: INITIAL (ft) ∇ : AFTER HOURS (ft) ∇ : CAVE-IN (ft) \odot :
The initial groundwater readings are not intended to indicate the static groundwater level.

PROJECT NUMBER: WM14-160G
SURFACE ELEVATION (MSL) (ft):
LOGGED BY: J. Wheeler
DATE STARTED: 8/27/2014
DATE COMPLETED: 8/27/2014
DRILLER: Earthcon

Elevation (ft)	Depth (ft)	STRATA DESCRIPTION	Strata Legend	Sample ID	Sample Type	Sample Recovery (in.)	Blow Counts (N-Values)	%<#200	TEST RESULTS			
									Plastic Limit	X	X	Liquid Limit
									Water Content -	●		
									Penetration -			
	0.3	4-in Asphalt										
		9-in Aggregate Base Material										
	1.1	Brown and dark gray, moist, Clayey fine to medium SAND (SC) with trace Gravel, organics, and asphalt fragments, loose to medium dense "FILL"		1		17	57-22-4-5 (26)	35				
				2		15	2-2-3-4 (5)					
	5			3		24	5-5-6-6 (11)					
	6.0	Boring terminated at 6 feet below existing grade.										

Sample Type(s):

SS - Split Spoon

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BORING ID CBR-4

PROJECT NAME: Franklin Boulevard Realignment - VA Medical Center Site Improvements
CLIENT: Call Signs Engineers
PROJECT LOCATION: Hampton, Virginia
BORING LOCATION: See Attached Boring Location Plan
DRILLING METHOD(S): Rotary wash "mud"
GROUNDWATER*: INITIAL (ft) ∇ : 2 AFTER HOURS (ft) ∇ : CAVE-IN (ft) \odot :
The initial groundwater readings are not intended to indicate the static groundwater level.

PROJECT NUMBER: WM14-160G
SURFACE ELEVATION (MSL) (ft):
LOGGED BY: J. Wheeler
DATE STARTED: 8/27/2014
DATE COMPLETED: 8/27/2014
DRILLER: Earthcon

Elevation (ft)	Depth (ft)	STRATA DESCRIPTION	Strata Legend	Sample ID	Sample Type	Sample Recovery (in.)	Blow Counts (N-Values)	%<#200	TEST RESULTS				
									Plastic Limit	X	X	Liquid Limit	
									Water Content -	●			
									Penetration -				
									10	20	30	40	50
									60	70			
	0.3	4-in Asphalt											
		7-in Aggregate Base Material											
	0.9												
		Black, moist, Silty fine to coarse SAND (SM) with Gravel and trace asphalt fragments, medium dense "FILL"		1		6	22-14-10-5 (24)						
	2.0												
		Dark gray, wet, lean CLAY (CL) with Sand, very soft		2		18	1-1-0-1 (1)						
	4.0												
		Dark gray, wet, Sandy lean CLAY (CL) with trace organics, very soft		3		20	1-0-1-0 (1)						
	5.5												
		Gray, wet, Silty fine to medium SAND (SM), very loose											
	6.0												
		Boring terminated at 6 feet below existing grade.											

Sample Type(s):

Notes:

SS - Split Spoon



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


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BORING ID INF-1

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CLIENT: Call Signs Engineers
PROJECT LOCATION: Hampton, Virginia
BORING LOCATION: See Attached Boring Location Plan
DRILLING METHOD(S): Rotary wash "mud"
GROUNDWATER*: INITIAL (ft) ∇ : 3 AFTER 24 HOURS (ft) ∇ : 3 CAVE-IN (ft) \odot :
The initial groundwater readings are not intended to indicate the static groundwater level.

PROJECT NUMBER: WM14-160G
SURFACE ELEVATION (MSL) (ft):
LOGGED BY: J. Wheeler
DATE STARTED: 8/27/2014
DATE COMPLETED: 8/27/2014
DRILLER: Earthcon

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


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BORING ID
INF-2

PROJECT NAME: Franklin Boulevard Realignment - VA Medical Center Site Improvements
CLIENT: Call Signs Engineers
PROJECT LOCATION: Hampton, Virginia
BORING LOCATION: See Attached Boring Location Plan
DRILLING METHOD(S): Rotary wash "mud"
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PROJECT NUMBER: WM14-160G
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DATE STARTED: 8/27/2014
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DRILLER: Earthcon

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PROJECT NAME: Franklin Boulevard Realignment - VA Medical Center Site Improvements
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PROJECT LOCATION: Hampton, Virginia
BORING LOCATION: See Attached Boring Location Plan
DRILLING METHOD(S): Rotary wash "mud"
GROUNDWATER*: INITIAL (ft) ∇ : 3 AFTER 24 HOURS (ft) ∇ : 3.5 CAVE-IN (ft) \odot :
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DATE STARTED: 8/27/2014
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DRILLER: Earthcon

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									Plastic Limit \times	Liquid Limit \times	Water Content \bullet	Penetration 				
									10	20	30	40	50	60	70	
	0.5	6-in Topsoil														
		Orange-brown and brown, moist to wet, Silty fine to medium SAND (SM), very loose		1		21	2-2-1-1 (3)									
	2.0	Orange-brown and gray, moist to wet, Silty fine to medium SAND (SM) with trace organics, very loose		2		19	1-1-1-1 (2)	21								
	4.0	Gray, wet, Silty fine to medium SAND (SM) with trace organics, very loose		3		20	1-1-1-1 (2)									
	6.0	Boring terminated at 6 feet below existing grade.														
Sample Type(s):		Notes:														
SS - Split Spoon																

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