

ARKANSAS HWY. & TRANS. DEPARTMENT MATERIALS DIVISION - GEOTECHNICAL SEC.					BORING NO. 1 PAGE 1 OF 3							
JOB NO. 110217 Phillips County JOB NAME: Walnut Corner - Cypress Corner S.H. 1 - STATION: 420+95 LOCATION: 4' Right of Center Line of Construction LOGGED BY: Paul Christenberry					DATE: April 30 - May 1, 2013 TYPE OF DRILLING: Rotary Wash EQUIPMENT: CME 75 w/ CME Automatic Hammer HAMMER CORRECTION FACTOR: 1.38							
COMPLETION DEPTH: 101.5												
DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT.	NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 204.9									
5	[Hatched Pattern]	X	Moist, Medium Stiff, Brown Clay with some Iron Nodules	CL	22		36			$\frac{2}{3-5}$		
			-									
10			X	Moist, Medium Stiff, Gray Clay	CL	22		34			$\frac{2}{2-3}$	
	-											
15	[Hatched Pattern]	X	Wet, Soft, Gray Clay	CL	22		34			$\frac{0}{0-2}$		
				-								
20			[Vertical Lines]	X	Wet, Loose, Brown and Gray Silt with some Iron Nodules	ML	25		30			$\frac{1}{2-3}$
	-											
25	[Vertical Lines]	X				ML	25		30			$\frac{0}{0-0^*}$
			-									
30			[Vertical Lines]	X		ML	NP					$\frac{0}{0-2}$
	-											
35												

REMARKS: Hollow stem augers were utilized to a depth of 9.4'. * Split-spoon sampler advanced 1.5' by static weight of hammer.

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			SURFACE ELEVATION: 204.9									
		X	Wet, Very Loose, Gray Silt	ML	23		29			0 1-2		
				-								
40		X		ML	NP					1 1-2		
				-								
45		X		ML	25		37			0 2-3		
			Wet, Loose, Gray Silt	-								
50		X		SM	NP					1 4-3		
			Wet, Loose, Gray Silty Sand	-								
55		X		SM	NP					8 10-14		
			Wet, Medium Dense, Gray Silty Sand	-								
60		X		SW-SM	NP					10 14-19		
			Wet, Dense, Gray Sand with Silt	-								
65		X		SW	NP					6 10-10		
			Wet, Medium Dense, Gray Sand with Trace of Gravel	-								
70												

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			SURFACE ELEVATION: 204.9									
		X		SW	NP					11 17-25		
			Wet, Dense, Gray Sand	-								
75		X		SW	NP					10 12-14		
			Wet, Medium Dense, Gray Sand	-								
80		X		SW	NP					11 21-25		
			Wet, Dense, Gray Sand	-								
85		X		SM	NP					8 8-17		
			Wet, Medium Dense, Gray Silty Sand with some Gravel	-								
90		X		SW-SM	NP					13 20-32		
			Wet, Very Dense, Gray Sand with Silt and some Gravel	-								
95		X		SW-SM	NP					11 15-16		
			Wet, Dense, Gray Sand with Silt and Gravel	-								
100		X		SW	NP					15 18-21		
			Wet, Dense, Gray Sand									
			Boring Terminated									
105												

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JOB NO. 110217 Phillips County JOB NAME: Walnut Corner - Cypress Corner S.H. 1 - STATION: 425+86 LOCATION: 3' Right of Center Line of Construction LOGGED BY: Paul Christenberry					DATE: April 29-30 , 2013 TYPE OF DRILLING: Rotary Wash EQUIPMENT: CME 75 w/ CME Automatic Hammer HAMMER CORRECTION FACTOR: 1.38						
COMPLETION DEPTH: 101.5											
DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT. NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 205.1								
5		X	Moist, Medium Stiff, Gray Clay with some Iron Nodules and Asphalt Fragments						3 3-4		
10		X	Moist, Medium Stiff, Gray Clay						2 3-4		
15		X							0 1-2		
20		X	Wet, Soft, Brown and Gray Clay with some Iron Nodules						2 1-2		
25		X							0 0-0*		
30		X	Wet, Very Loose, Gray Silt						0 0-0*		
		X									
35		X									

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COMPLETION DEPTH: 101.5											
D E P T H FT.	S Y M B O L	S A M P L E S	DESCRIPTION OF MATERIAL	SOIL GROUP	PLASTIC LIMIT	% MOIST.	LIQUID LIMIT	DRY WEIGHT	LBS PER CU.FT. NO. OF BLOWS PER 6-IN.	% S C R	% R Q D
			SURFACE ELEVATION: 205.1						0 0-2		
40			Wet, Soft, Gray Silty Clay						1 2-2		
45									0 0-3		
50									3 4-6		
55			Wet, Loose, Gray Sand with Trace of Clay						17 23-25		
60			Wet, Dense, Gray Clayey Sand						9 14-17		
65			Wet, Dense, Gray and Brown Sand with some Gravel						5 9-16		
			Wet, Medium Dense, Gray Sand with Clay								
70			Wet, Medium Dense, Gray Sand								
REMARKS: Hollow stem augers were utilized to a depth of 9.5'. * Split-spoon sampler advanced 1.5' by static weight of hammer.											

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			SURFACE ELEVATION: 205.1								
		X							21 33-41		
			Wet, Very Dense, Gray Sand								
75		X							9 11-17		
			Wet, Medium Dense, Gray Sand								
80		X							16 20-24		
			Wet, Dense, Gray Sand								
85		X							11 17-21		
			Wet, Dense, Gray and Brown Sand with Trace of Clay								
90		X	Gravel (89.6' to 89.9')						11 23-33		
			Wet, Dense, Gray and Brown Sand								
95		X							12 16-13		
			Wet, Medium Dense, Gray and Brown Sand with Trace of Gravel and Clay								
100		X							12 19-27		
			Wet, Dense, Gray and Brown Sand								
			Boring Terminated								
105											

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