

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

SHEET 1

PROJECT NO. 45433.1.1		ID. U-5319	COUNTY ONSLOW	GEOLOGIST ZIMACINO
SITE DESCRIPTION MSP ON -L- (SR 1308) AT INT. W/ NC 53				
BORING NO. MSP-1		STATION 34-75	OFFSET 73 RT	LINE -L-
COLLAR ELEV		NORTHING	EASTING	GROUNDWATER N/A
TOTAL DEPTH 32.5		DRILL MACHINE 030-0075	DRILL METHOD MUDROT	HAMMER TYPE AUTO
DATE START 5/14/18		DATE COMPLETE 5/14/18	CORE BARREL TYPE	SURFACE WATER DEPTH

DEPTH (FEET)	BLOW COUNT			SAMPLE NUMBER	SOIL AND ROCK DESCRIPTION	MOIST	BLOW COUNT GRAPH							
	0.5'	0.5'	0.5'				0	25	50	75				
1.0														
2.5	2	3	4	SS-1	GRAY AND TAN SANDY CLAY (ALUV.) A-6									
5.0	2	3	4	SS-2	SAME A-6									
7.5	2	3	5	SS-3	SAME A-6									
10.0	5	4	6	SS-4	SAME A-6									
	4	5	5	SS-5	TAN CLAYEY SAND A-2-6									
15.0														
	2	2	3	SS-6	TAN AND GRAY SAND A-3									
20.0														
	4	5	2	SS-7	SAME A-3									
26.0														
	1	0	1	SS-8	DARK GRAY SAND A-2-4									
31.0														
	2	3	2	SS-9	SAME A-2-4									

NOTES:

STUP = 2.8
CSTUP = 2.1

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SHEET 1 OF 1

PROJECT NO. 45433.1-1		ID U-5319	COUNTY ONSLOW		GEOLOGIST ZIMARINO
SITE DESCRIPTION MSP ON -L- (SR 1308) AT INT. W/ NC 53			STATION 33+18		GROUND WATER
BORING NO MSP-2			OFFSET 97' RT	LINE -L-	9 HR. N/A
COLLAR ELEV			NORTHING	EASTING	24 HR. 6.2
TOTAL DEPTH 37.5		DRILL MACHINE 030-0075	DRILL METHOD MUDROT		HAMMER TYPE AUTO
DATE START 5/14/18		DATE COMPLETE 5/14/18	CORE BARREL TYPE		SURFACE WATER DEPTH N/A

DEPTH (FEET)	BLOW COUNT			SAMPLE NUMBER	SOIL AND ROCK DESCRIPTION	MOIST	BLOW COUNT GRAPH							
	0.5'	0.5'	0.5'				0	25	50	75	100			
1.0														
2.5	5	5	5		BROWN SILT W/ GRAVEL (R.E.) A-4									
5.0	1	2	2		GRAY, TAN, AND RED CLAY A-7-6									
7.5	1	2	4		GRAY, TAN, AND RED SANDY CLAY A-6									
10.0	2	3	4		GRAY, TAN, AND RED SILTY CLAY A-7-6									
15.0	1	2	4		GRAY, TAN, AND RED SANDY CLAY A-6									
20.0	WOR	1	3		GRAY CLAYEY SAND A-2-6									
26.0	1	1	1		GRAY SAND A-3									
31.0	WOH	1	0		SAME A-2-4									
36.0	1	0	1		SAME A-2-4									
	4	4	5		GRAY SILT A-4									

NOTES: SUP = 2.8 6.1 @ 4.0
 CSUP = 2.1

FINAL CASING DEPTH _____ DRILLING FLUID PROPERTIES _____

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SHEET 1 OF 1

PROJECT NO. 45433.1.1		ID U-5913	COUNTY ONSLOW	GEOLOGIST ZIMARINO	
SITE DESCRIPTION MSP ON -L- (SR 1308) AT INT W/ NC 53					
BORING NO. MSP-3		STATION 2+80	OFFSET 6.3' LT	LINE -2-	
COLLAR ELEV.		NORTHING	EASTING		GROUND WATER 0 HR N/A 24 HR 4.3'
TOTAL DEPTH 42.5	DRILL MACHINE 030-0075	DRILL METHOD MUDROT	HAMMER TYPE AUTO		
DATE START 5/15/18	DATE COMPLETE 5/15/18	CORE BARREL TYPE	SURFACE WATER DEPTH N/A		

DEPTH (FEET)	BLOW COUNT			SAMPLE NUMBER	SOIL AND ROCK DESCRIPTION	MOIST	BLOW COUNT GRAPH											
	0.5'	0.5'	0.5'				0	25	50	75	100							
1.0																		
2.5	11	13	14	SS-10	TAN SAND W/ GRAVEL (C.E.)	A-2-4												
5.0	4	6	6	SS-11	SAME	A-2-4												
7.5	W04	2	2	SS-12	GRAY, TAN, RED SANDY CLAY	A-6												
10.0	2	3	4	SS-13	GRAY CLAY W/ SAND LAYERS	A-6												
	2	3	6	SS-14	GRAY SANDY CLAY	A-6												
15.0																		
	9	11	3	SS-15	GRAY SAND	A-3												
20.0																		
	3	8	13	SS-16	DARK GRAY SAND W/ WOOD FRAGMENTS	A-2-4												
26.0																		
	1	0	1	SS-17	SAME	A-2-4												
31.0																		
	W	0	4	SS-18	SAME	A-2-4												
36.0																		
	W04	W04	1	SS-19	GRAY SANDY SILT	A-4												
41.0																		
	3	6	5	SS-20	GRAY SANDY SILT W/ SHELL FRAGMENTS (DUPLIN)	A-4												

NOTES:

STUP = 2.8
CSTUP = 2.1

FINAL CASING DEPTH _____ DRILLING FLUID PROPERTIES _____

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SHEET 1 OF 1

PROJECT NO. 45433-1.1		ID U-5913	COUNTY ONSLOW	GEOLOGIST ZIMARINS	
SITE DESCRIPTION MSP ON-L- (SQ 1308) AT INT W/ NC 53					GROUND WATER
BORING NO. MSP-4		STATION 34191	OFFSET 10' LT	LINE -L-	0 HR N/A
COLLAR ELEV.		NORTHING	EASTING		24 HR 5.2
TOTAL DEPTH 42.5	DRILL MACHINE 030-0075	DRILL METHOD MUD ROT	HAMMER TYPE AUTO		
DATE START 5/15/18	DATE COMPLETE 5/15/18	CORE BARREL TYPE	SURFACE WATER DEPTH N/A		

DEPTH (FEET)	BLOW COUNT			SAMPLE NUMBER	SOIL AND ROCK DESCRIPTION	MOIST	BLOW COUNT GRAPH								
	0.5'	0.5'	0.5'				0	25	50	75	100				
1.0															
2.5	3	4	3	SS-10	GRAY AND TAN SANDY CLAY (ALLUV.) A-6										
5.0	2	3	3	SS-11	SAME W/ REC A-6										
7.5	2	2	4	SS-12	SAME A-6										
10.0	2	3	5	SS-13	GRAY AND TAN SILTY CLAY A-7-6										
	1	2	3	SS-14	SAME A-7-6										
15.0															
	WOH	2	2	SS-15	GRAY SAND A-2-4										
20.0															
	WOH	WOH	1	SS-16	GRAY CLAYEY SAND (0.8) W/ WOOD FRAGM. A-2-6 LIGHT GRAY SANDY CLAY (0.1) A-6										
26.0															
	2	4	1	SS-17	GRAY-GREEN SAND A-2-4										
31.0															
	1	0	1	SS-18	SAME A-2-4										
36.0															
	WOH	WOH	2	SS-19	GRAY CLAYEY SAND A-2-6										
41.0															
	5	5	6	SS-20	GRAY SILT (DUPLIN FMN) A-4										

STUP = 2.7
CSTUP = 2.1

NOTES:

FINAL CASING DEPTH _____ DRILLING FLUID PROPERTIES _____