N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 1 OF 2

PROJECT NO. 34424.1.1	**ID.** R-2404A	**COUNTY** BERTIE	**GEOLOGIST** J. Bauer
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			**GROUND WATER (ft)**
BORING NO. MB-5	**BORING LOCATION**	**OFFSET**	**ALIGNMENT** -L-	**0 HR.** Water
COLLAR ELEV. 0.3 ft	**NORTHING** 8,306,227 **US ft**	**EASTING** 2,608,074 **US ft**	**24 HR.** Boring
TOTAL DEPTH 101.0 ft	**DRILL MACHINE** CME 45 on Buggy	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** 140-lb Manual
DATE STARTED 10/6/04	**COMPLETED** 10/6/04	**SURFACE WATER DEPTH** 0.3'	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
0.3									0.3 0.0
0.3	0.0	woh	woh	woh	●0	1	Sat.		Alluvium: Muck - No Recovery
-2.2	2.5								Alluvium: Gray CLAY (A-7-6) with wood fragments
-4.8	5.1	1	1	2	●3	2	Sat.		
-9.6	9.9	2	2	4	●6	3	Sat.		
-10.9	11.2								Alluvium: Gray f. SAND (A-2-4) -not sampled
-12.7	13.0								Alluvium: Brown and gray, silty CLAY (A-7-6) with trace organics
-14.9	15.2	1	2	3	●5	4	W		
-19.6	19.9	2	2	2	●4	5	W		
-20.9	21.2								CPU: Gray, micaceous, silty, f. to cse. SAND (A-3) with trace organics
-24.0	24.3	3	8	15	●23	6	W		
-29.5	29.8	10	15	19	●34	7	W		
-33.7	34.0								CPU: Brown, micaceous, silty CLAY (A-7-5) with trace wood fragments
-34.3	34.6	1	3	4	●7	8	W		
-39.6	39.9	2	3	4	●7	9	M		
-40.6	40.9								CPU: Green gray, CLAY (A-7-6) with trace organics
-44.3	44.6	3	4	6	●10	10	M		
-46.7	47.0								CPU: Gray, f. to cse. SAND (A-2-4) with trace gravel
-49.2	49.5	11	22	24	●46	11	W		
-54.2	54.5	13	19	16	●35	12	W		
-55.7	56.0								Yorktown Fm: Gray, silty, f. to cse. SAND (A-2-4) with trace shell fragments and gravel sized cemented sand pieces (v. little recovery)
-59.2	59.5	7	12	11	●23	13	W		
-61.7	62.0								Yorktown Fm: Tan and dark blue green, f. sandy, SILT (A-4) with shell fragments interbedded with thinly laminated to v. thinly bedded beds of gray CLAY (A-6) with trace shell fragments
-64.2	64.5	12	14	21	●35	14	M		
-69.2	69.5	7	19	37	●56	15	M		
-74.2	74.5								

NCDOT BORE S_0808.GPJ NC_DOT.GDT 10/11/04

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

MACTEC

PROJECT NO. 34424.1.1	**ID.** R-2404A	**COUNTY** BERTIE	**GEOLOGIST** J. Bauer
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			**GROUND WATER (ft)**
BORING NO. MB-5	**BORING LOCATION**	**OFFSET**	**ALIGNMENT** -L-	**0 HR.** Water
COLLAR ELEV. 0.3 ft	**NORTHING** 8,306,227 **US ft**	**EASTING** 2,608,074 **US ft**	**24 HR.** Boring
TOTAL DEPTH 101.0 ft	**DRILL MACHINE** CME 45 on Buggy	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** 140-lb Manual
DATE STARTED 10/6/04	**COMPLETED** 10/6/04	**SURFACE WATER DEPTH** 0.3'	

ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-74.5					Continued from previous page				
-79.2	79.5	67	33/0.4			16	M		Yorktown Fm: Tan and dark blue-green, f. sandy, SILT (A-4) with shell fragments interbedded with thinly laminated to v. thinly bedded beds of gray CLAY (A-6) with trace shell fragments *(continued)*
-84.2	84.5	42	50	45	●95	17	W		
-82.7	83.0								Yorktown Fm: Blue-green silty, f. SAND (A-2-4) with trace shell fragments
-89.2	89.5	26	44	48	●92	18	W		
-94.2	94.5	15	17	22	●39	19	W		
-97.7	98.0	18	25	39	●64	20	W		Yorktown Fm: Gray green, f. sandy, silty CLAY (A-6) with trace shell fragments
-99.2	99.5	9	14	27	●41	21	W		
-100.7	101.0								Boring terminated at Elevation -100.7 ft in Yorktown Fm: Gray green, f. sandy, silty CLAY (A-6)

Bits Used: 0.22' Roller Cone

Drilling Fluid: Water

NCDOT BORE S... 0808.GPJ NC_DOT.GDT 10/11/04

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N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

PROJECT NO. 34424.1.1	**ID.** R-2404A	**COUNTY** BERTIE	**GEOLOGIST** B. Parks
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			**GROUND WATER (ft)**
BORING NO. MB-6	**BORING LOCATION**	**OFFSET**	**ALIGNMENT** -L-	**0 HR.** Water
COLLAR ELEV. 0.2 ft	**NORTHING** 830,580 **US ft**	**EASTING** 2,607,958 **US ft**	**24 HR.** Boring
TOTAL DEPTH 101.1 ft	**DRILL MACHINE** CME 45 on Buggy	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** 140-lb Manual
DATE STARTED 10/10/04	**COMPLETED** 10/11/04	**SURFACE WATER DEPTH** 0.3'	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
0.2									
0.2	0.0	wor	wor	wor	0	1	Sat.		Alluvium: Tan brown to brown, f. sandy, silty CLAY (A-7-6) with trace to little orgaics and wood fragments
-4.4	4.6	2	3	2	5	2	M		
-7.8	8.0								Alluvium: Light gray to gray, micaceous, f. to cse. SAND (A-3)
-9.4	9.6	5	4	8	12	3	W		
-14.4	14.6	7	3	3	6	4	M		
-15.0	15.2								CPU: Gray to brown, micaceous, f. sandy, silty CLAY (A-7-6)
-19.4	19.6	2	3	3	6	5	M		
-22.8	23.0								CPU: Gray, micaceous, f. to cse. SAND (A-3) with organics lenses
-24.4	24.6	10	17	17	34	6	W		
-29.4	29.6	7	7	12	19	7	W		
-32.8	33.0								CPU: Gray to green, f. to cse. sandy, silty CLAY (A-7-6) with trace to little organics
-34.4	34.6	8	3	4	7	8	W		
-39.7	39.9	2	2	4	6	9	M		
-42.8	43.0								CPU: Grayish green, silty CLAY (A-7-6) with gray, f. to cse. SAND (A-3) lenses
-44.4	44.6	4	8	25	33	10	M/W		
-47.8	48.0								CPU: Gray, f. to cse. SAND (A-3)
-49.4	49.6	9	19	21	40	11	W		
-54.4	54.6	11	21	18	39	12	W		
-59.4	59.6	10	17	20	37	13	W		
-62.8	63.0								Yorktown Fm: Grayish green, f. to cse sandy, silty, CLAY (A-7-6) with trace organics
-64.4	64.6	6	9	12	21	14	M		
-69.4	69.6	31	20	18	38	15	M		
-72.8	73.0								
-74.4	74.6								

NCDOT BORE S_0808.GPJ NC_DOT.GDT 10/11/04

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

MACTEC

PROJECT NO. 34424.1.1	**ID.** R-2404A	**COUNTY** BERTIE	**GEOLOGIST** B. Parks
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			**GROUND WATER (ft)**
BORING NO. MB-6	**BORING LOCATION**	**OFFSET**	**ALIGNMENT** -L-	**0 HR.** Water
COLLAR ELEV. 0.2 ft	**NORTHING** 830,580 **US ft**	**EASTING** 2,607,958 **US ft**	**24 HR.** Boring
TOTAL DEPTH 101.1 ft	**DRILL MACHINE** CME 45 on Buggy	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** 140-lb Manual
DATE STARTED 10/10/04	**COMPLETED** 10/11/04	**SURFACE WATER DEPTH** 0.3'	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-74.6					Continued from previous page				
-79.4	79.6	60/0.2				16	M/W		Yorktown Fm: Light green to green, silty, f. to cse. SAND (A-2-4) with little to some shell fragments and indurated lenses *(continued)*
-84.4	84.6	35	42	58/0.4		17	M/W		
-89.4	89.6	27	30	41	71	18	M/W		
-94.4	94.6	9	11	24	35	19	W		
-99.4	99.6	15	25	38	63	20	W		
		14	26	25	51	21	W		-100.9 101.1
									Boring terminated at Elevation -100.7 ft in Yorktown Fm: Gray green, f. sandy, silty CLAY (A-6) Bits Used: 0.22' Roller Cone Drilling Fluid: Water

NCDOT BORE S...E 0808.GPJ NC_DOT.GDT 10/11/04

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

MACTEC

SHEET 1 OF 2

PROJECT NO. 34424.1.1	ID. R-2404A	COUNTY BERTIE	GEOLOGIST M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			GROUND WATER (ft)
BORING NO. MB-17	BORING LOCATION	OFFSET	ALIGNMENT -L-	0 HR. Water
COLLAR ELEV. 0.2 ft	NORTHING 830,532 US ft	EASTING 2,608,036 US ft	24 HR. Boring
TOTAL DEPTH 101.4 ft	DRILL MACHINE CME 45 on Buggy	DRILL METHOD Mud Rotary	HAMMER TYPE 140-lb Manual
DATE STARTED 10/9/04	COMPLETED 10/9/04	SURFACE WATER DEPTH 0.3'	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
0.2									0.2 / 0.0
0.2	0.0	1	2	1	3	1	Sat.		Alluvium: Brown MUCK with wood fragments
-2.8	3.0								
-4.0	4.2	1	1	1	2	2	Sat.		Alluvuim: Gray, silty CLAY (A-7-6) with trace to little organics
-7.3	7.5								
-9.0	9.2	7	7	9	16	3	Sat.		Alluvium: Gray, silty, f. SAND (A-2-4) with trace organics
-12.8	13.0								
-14.0	14.2	5	6	5	11	4	Sat.		Alluvium: Gray, f. to cse. SAND (A-3) with trace organics
-17.3	17.5								
-19.0	19.2	2	3	4	7	5	W		CPU: Gray, micaceous, silty CLAY (A-7-6) with trace to little organics
-22.3	22.5								
-24.0	24.2	7	11	12	23	6	W		CPU: Gray, micaceous, silty, f. to cse. SAND (A-2-4) with trace to little organics
-29.0	29.2	6	6	13	19	7	W		
-34.0	34.2	2	2	4	6	8	M		
-39.0	39.2	2	3	3	6	9	M		
-42.3	42.5								CPU: Gray to green, silty CLAY (A-7-6) with gray, f. to cse. SAND (A-2-4) lenses
-44.0	44.2	5	4	6	10	10	M/W		
-47.3	47.5								CPU: Light gray to gray, silty, f. to cse. SAND (A-3)
-49.0	49.2	11	16	20	36	11	W		
-54.0	54.2	18	23	18	41	12	W		
-57.3	57.5								Yorktown Fm: Grayish green, clayey, silty, f. to cse. SAND (A-2-5) with trace mica
-59.0	59.2	4	4	6	10	13	W		
-62.3	62.5								Yorktown Fm. Dark green, f. sandy SILT (A-4) with trace mica
-64.0	64.2	5	9	12	21	14	W		
-64.8	65.0								Yorktown Fm: Gray green, f. sandy, silty CLAY (A-7-6) with trace mica
-69.0	69.2	53	40/0.7			15	M		

NCDOT BORE S_E 0808.GPJ NC_DOT.GDT 10/11/04

MACTEC

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

PROJECT NO. 34424.1.1	ID. R-2404A	COUNTY BERTIE	GEOLOGIST M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			GROUND WATER (ft)
BORING NO. MB-17	BORING LOCATION	OFFSET	ALIGNMENT -L-	0 HR. Water
COLLAR ELEV. 0.2 ft	NORTHING 830,532 US ft	EASTING 2,608,036 US ft	24 HR. Boring
TOTAL DEPTH 101.4 ft	DRILL MACHINE CME 45 on Buggy	DRILL METHOD Mud Rotary	HAMMER TYPE 140-lb Manual
DATE STARTED 10/9/04	COMPLETED 10/9/04	SURFACE WATER DEPTH 0.3'	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-74.6					Continued from previous page				
						16			Log Incomplete due to bad fax -
						17			
						18			
						19			
						20			
						21			
									Boring terminated at Elevation -100.4 ft in Yorktown Fm. Gray green, f. to cse. sandy, silty, CLAY (A-6)
									Bits Used: 0.22' Roller Cone
									Drilling Fluid: Water

NCDOT BORE S_E 0808.GPJ NC_DOT.GDT 10/11/04

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

MACTEC

SHEET 1 OF 2

PROJECT NO. 34424.1.1	**ID.** R-2404A	**COUNTY** BERTIE	**GEOLOGIST** M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			**GROUND WATER (ft)**
BORING NO. MB-27	**BORING LOCATION**	**OFFSET**	**ALIGNMENT** -L-	**0 HR.** Water
COLLAR ELEV. 0.3 ft	**NORTHING** 830,519 **US ft**	**EASTING** 2,608,069 **US ft**	**24 HR.** Boring
TOTAL DEPTH 100.5 ft	**DRILL MACHINE** CME 45 on Buggy	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** 140-lb Manual
DATE STARTED 10/8/04	**COMPLETED** 10/8/04	**SURFACE WATER DEPTH** 0.2	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
0.3									
0.3	0.0	woh	woh	woh	●0	1	Sat.		Alluvium: Muck - No Recovery
-3.7	4.0	5	6	4	●10	2	Sat.		
-8.7	9.0	8	9	8	●17	3	Sat.		Alluvium: Gray tan, f. to cse. SAND (A-2-4) with trace organics
-13.7	14.0	3	7	4	●11	4	W		
-18.7	19.0	7	7	6	●13	5	W		CPU: Gray, micaceous, silty, f. to cse. SAND (A-3)
-23.7	24.0	10	14	13	●27	6	W		
-28.7	29.0	11	15	17	●32	7	W		
-33.7	34.0	9	7	6	●13	8	W		CPU: Gray, silty CLAY (A-7-6) with trace organic debris
-38.7	39.0	3	4	5	●9	9	W		
-43.7	44.0	4	8	26	●34	10	W		Yorktown Fm: Light gray-green, thinly interbedded, silty CLAY (A-6) and silty, f. to cse. SAND (A-3)
-48.7	49.0	7	12	20	●32	11	W		Yorktown Fm: Gray, f. to cse. SAND (A-3) with trace gravel and shell fragments
-53.7	54.0	13	17	19	●36	12	W		
-58.7	59.0	3	5	7	●12	13	W		Yorktown Fm: Dark green, glauconitic, silty, f. to cse. SAND (A-3) with little shell fragments
-63.7	64.0	7	10	14	●24	14	M		Yorktown Fm: Dark green, glauconitic, silty, f. to cse. SAND (A-2-4) with trace shell fragments
-68.7	69.0	22	78/0.4		●	15	M/W		Yorktown Fm: Dark green, glauconitic, f. to cse. sandy, clayey, SILT (A-4) with trace gravel and shell fragments
-73.7	74.0					16			

-7.2 / 7.5
-17.2 / 17.5
-34.2 / 34.5
-41.2 / 41.5
-47.2 / 47.5
-57.2 / 57.5
-62.2 / 62.5
-66.7 / 67.0
-71.7 / 72.0

NCDOT BORE S... 0808.GPJ NC_DOT.GDT 10/11/04

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

MACTEC

PROJECT NO. 34424.1.1	**ID.** R-2404A	**COUNTY** BERTIE	**GEOLOGIST** M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			**GROUND WATER (ft)**
BORING NO. MB-27	**BORING LOCATION**	**OFFSET**	**ALIGNMENT** -L-	**0 HR.** Water
COLLAR ELEV. 0.3 ft	**NORTHING** 830,519 **US ft**	**EASTING** 2,608,069 **US ft**	**24 HR.** Boring
TOTAL DEPTH 100.5 ft	**DRILL MACHINE** CME 45 on Buggy	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** 140-lb Manual
DATE STARTED 10/8/04	**COMPLETED** 10/8/04	**SURFACE WATER DEPTH** 0.2	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-74.5					Continued from previous page				
		18	44	48	92		M/W		Yorktown Fm: Dark green and white, glauconitic, clayey, silty, f. to cse. SAND (A-2-4) with v. thinly bedded, friable to indurated, calcite cemented SANDSTONE layers and trace shell fragments *(continued)*
-78.7	79.0	17	19	22	41	17	M		-81.2 81.5
-83.7	84.0	21	39	61		18	W		Yorktown Fm: Dark green and gray, glauconitic, silty, f. to cse. SAND (A-2-4) with trace shell fragments
-88.7	89.0	17	22	26	48	19	W		
-93.7	94.0	20	27	32	59	20	W		
-98.7	99.0	8	12	18	39	21	W		-100.2 100.5
									Boring terminated at Elevation -100.2 ft in Yorktown Fm: Dark green and gray, glauconitic, silty, f. to cse. SAND (A-2-4) with trace shell fragments

Bits Used: 0.25' Roller Cone

Drilling Fluid: Water

NCDOT BORE SI... 0808.GPJ NC_DOT.GDT 10/11/04

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

MACTEC

SHEET 1 OF 2

PROJECT NO. 34424.1.1	ID. R-2404A	COUNTY BERTIE	GEOLOGIST M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			GROUND WATER (ft)
BORING NO. MB-34	BORING LOCATION	OFFSET	ALIGNMENT -L-
COLLAR ELEV. -9.4 ft	NORTHING 830,102 US ft	EASTING 2,607,206 US ft	0 HR. Water
TOTAL DEPTH 98.7 ft	DRILL MACHINE CME 55 Barge	DRILL METHOD Mud Rotary	24 HR. Boring
DATE STARTED 10/7/04	COMPLETED 10/7/04	SURFACE WATER DEPTH 9.4'	HAMMER TYPE 140-lb Manual

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-9.4									0.0
-9.4	0.0	woh	woh	woh	0	1	Sat.		Alluvium: Brown to gray-white, moderately organic, f. to cse. SAND (A-3)
-12.8	3.4	1	1	1	2	2	Sat.		
-17.3	7.9	11	7	6	13	3	Sat.		
-21.4	12.0								CPU: Dark gray, micaceous, silty CLAY (A-7-6) with trace to little oganics
-22.3	12.9	2	2	3	5	4	W		
-26.6	17.2	2	3	4	7	5	W		
-31.6	22.2	1	2	3	5	6	W		
-35.4	26.0								Yorktown Fm: Light gray-green, v. thinly to thinly interbedded, f. sandy, clayey SILT (A-4) and silty, f. SAND (A-2-4)
-36.6	27.2	4	3	4	7	7	W		
-41.6	32.2	4	2	4	6	8	W		
-46.6	37.2	5	5	4	9	9	W		
-50.4	41.0								Yorktown Fm: Gray, f. sandy, silty CLAY (A-7-6)
-51.6	42.2	4	5	6	11	10	W		
-54.9	45.5								Yorktown Fm: Gray, f. to cse. SAND and Gravel (A-1-a) with trace shell fragments
-56.6	47.2	5	6	7	13	11	W		
-59.4	50.0								Yorktown Fm: Dark green and white, glauconitic, f. sandy, clayey SILT (A-4) with trace shells
-61.6	52.2	6	7	9	16	12	W		
-66.6	57.2	6	9	13	22	13	W		
-70.4	61.0								Yorktown Fm: Dark green and white, glauconitic, f. sandy, clayey SILT (A-4) with shell fragments and v. thinly bedded, indurated, calcite cemented, SANDSTONE layers
-71.6	62.2	100/0.4				14	W		
-74.4	65.0								Yorktown Fm: Dark green and gray, glauconitic, silty, f. to cse. SAND (A-2-4) with trace shell fragments
-76.6	67.2	12	22	26	40	15	W		
-81.6	72.2	21	17	20	37	16	W		

NCDOT BORE SINGLE 0808.GPJ NC_DOT.GDT 10/11/04

DRAFT

MACTEC

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

PROJECT NO. 34424.1.1	ID. R-2404A	COUNTY BERTIE	GEOLOGIST M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River			GROUND WATER (ft)
BORING NO. MB-34	BORING LOCATION	OFFSET	ALIGNMENT -L-	0 HR. Water
COLLAR ELEV. -9.4 ft	NORTHING 830,102 US ft	EASTING 2,607,206 US ft	24 HR. Boring
TOTAL DEPTH 98.7 ft	DRILL MACHINE CME 55 Barge	DRILL METHOD Mud Rotary	HAMMER TYPE 140-lb Manual
DATE STARTED 10/7/04	COMPLETED 10/7/04	SURFACE WATER DEPTH 9.4'	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-84.2					Continued from previous page				
-86.6	77.2	13	14	17	●31	17	W		Yorktown Fm: Dark green and gray, glauconitic, silty, f. to cse. SAND (A-2-4) with trace shell fragments *(continued)*
-91.6	82.2	14	13	12	●25	18	W		
-94.4	85.0								Yorktown Fm: Dark gray-brown, f. to cse. sandy, clayey SILT (A-4) with glauconite and trace shell fragments
-96.6	87.2	47	17	14	●31	19	W		
-101.6	92.2	4	5	11	●16	20	M		
-106.6	97.2	4	4	5	●9	21	M		
-108.1	98.7								Boring terminated at Elevation -108.1 ft in Yorktown Fm: Dark gray-brown, f. to cse. sandy, clayey SILT (A-4) with glauconite and trace shell fragments

Bits Used: 0.25' side-discharge Finger Bit

Drilling Fluid: Water

NCDOT BORE SI_ 0808.GPJ NC_DOT.GDT 10/11/04