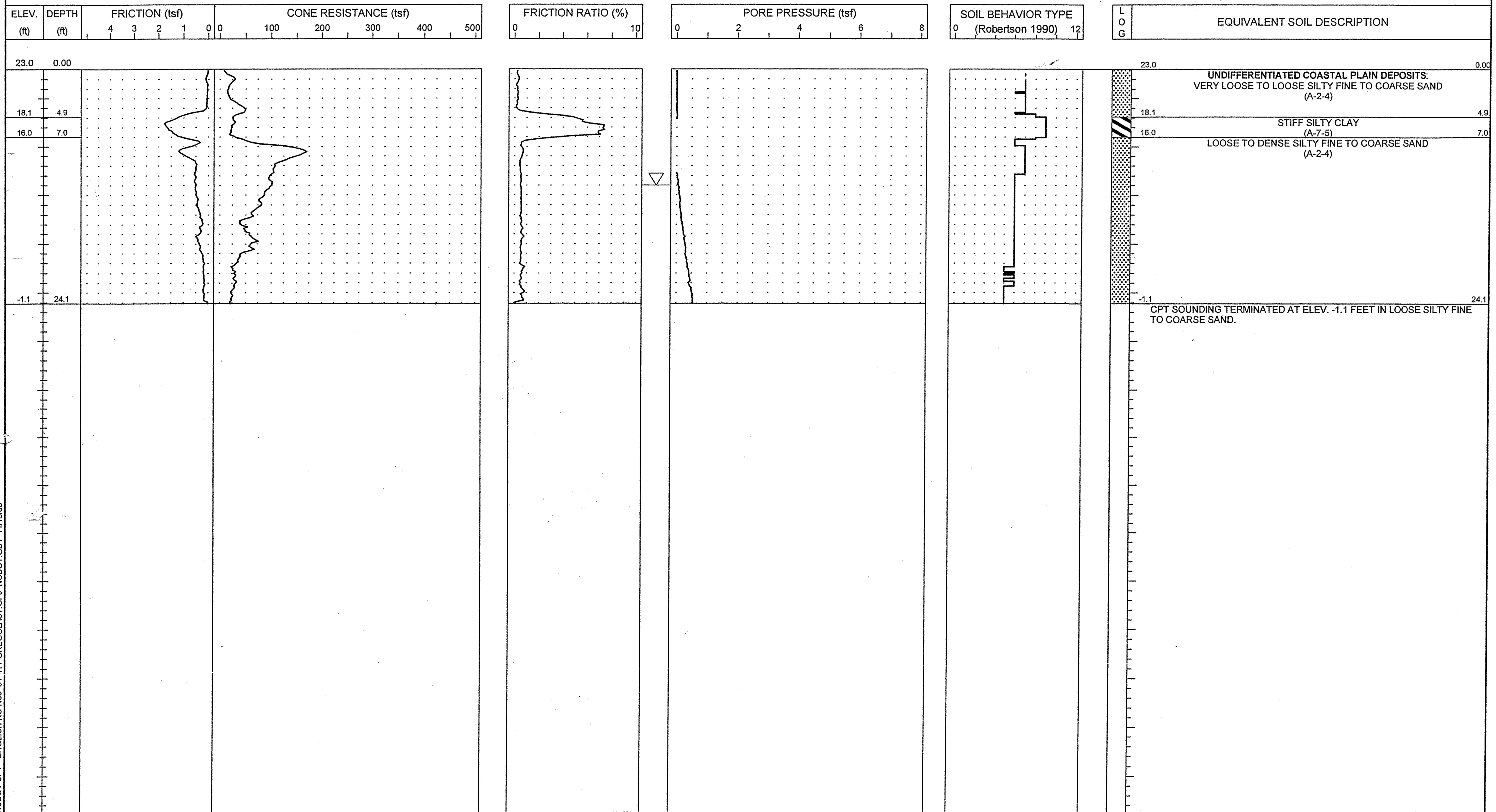




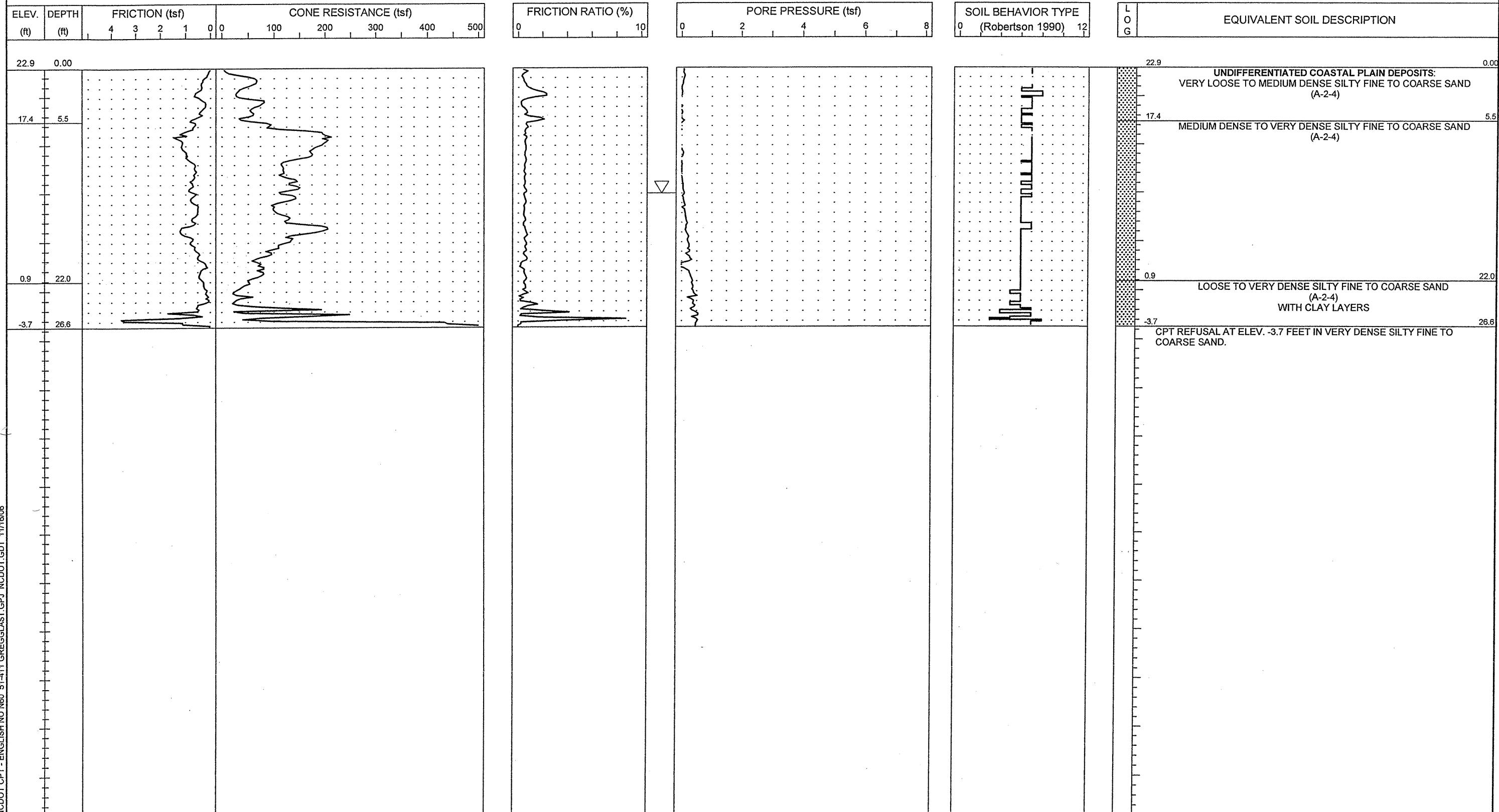
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 24.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-117	BORING LOCATION 262+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 12.0	DATE STARTED 10/30/06	COMPLETED 10/30/06
COLLAR ELEV. 23.0 ft	NORTHING 191,781.1	EASTING 2,294,961.0	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT OPT - ENGLISH NO N60 51-411 GREGGLAST.GPJ NCDOT.GDT 11/16/06

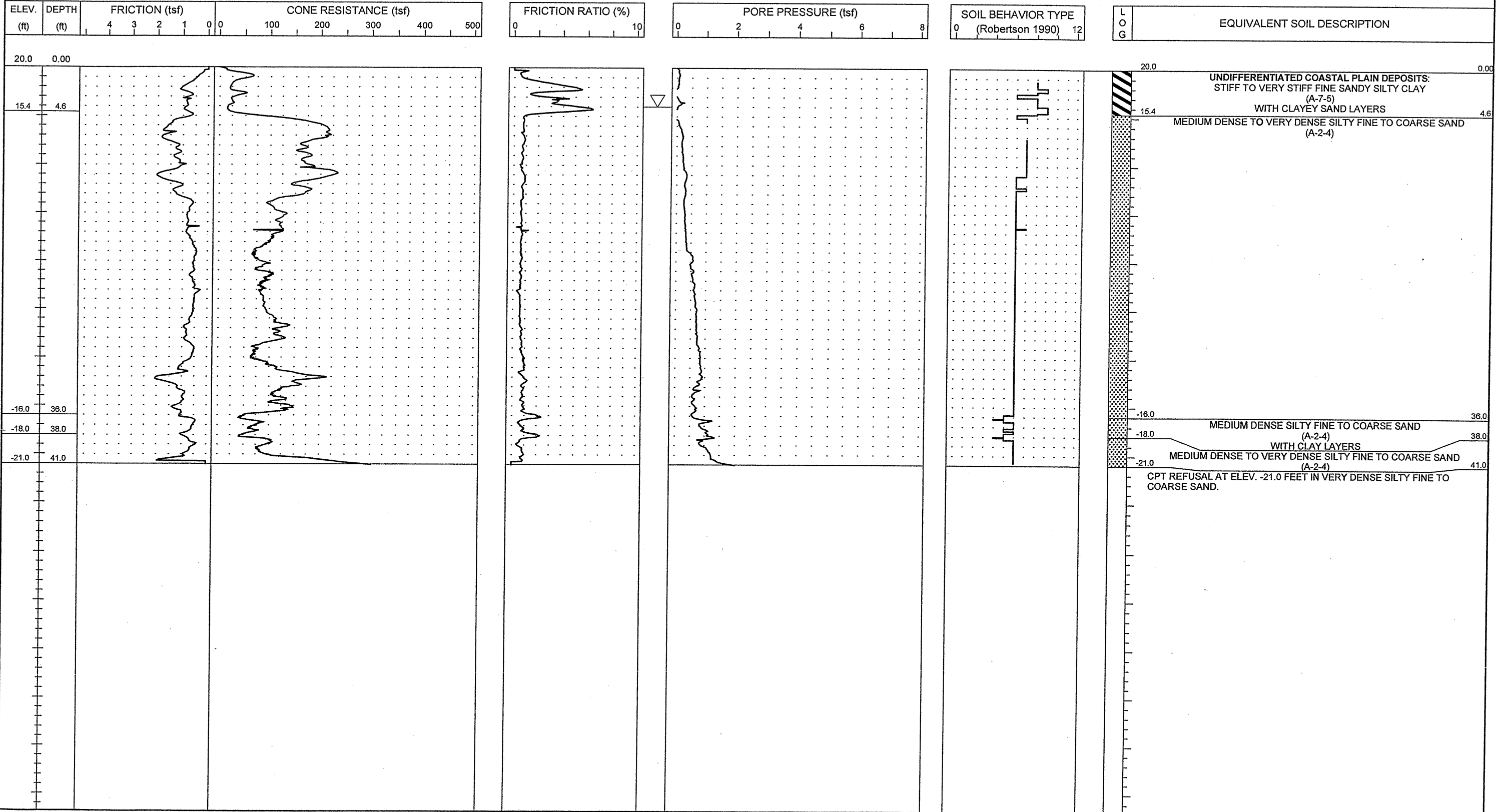


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 26.6 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-118	BORING LOCATION 264+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 13.0	DATE STARTED 10/30/06	COMPLETED 10/30/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 22.9 ft	NORTHING 191,785.2	EASTING 2,295,161.0		24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN		



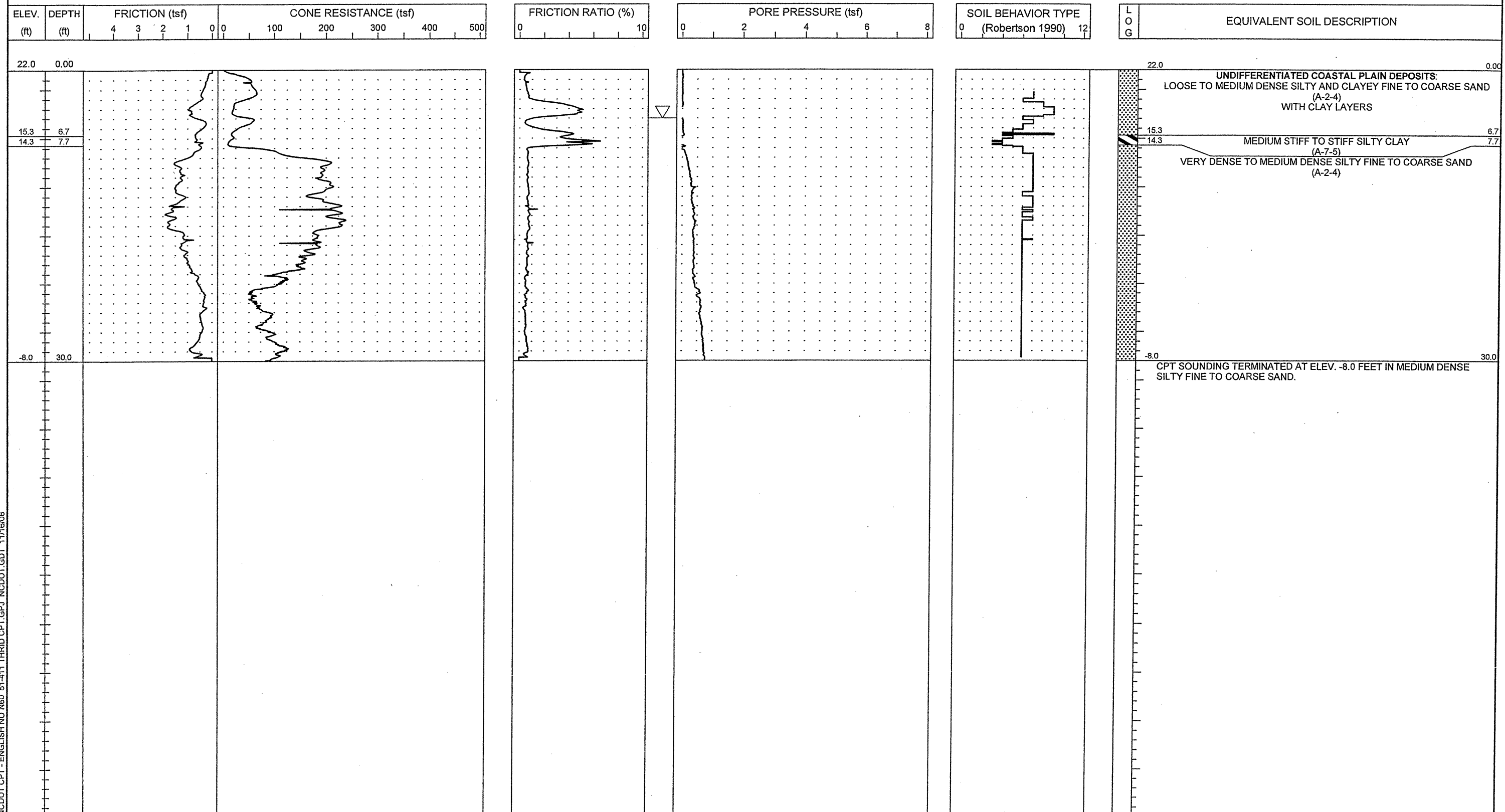
NCDOT CPT - ENGLISH NO N60 51-411 GREGGLAST.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 41.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-119	BORING LOCATION 267+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 4.0	DATE STARTED 10/16/06	COMPLETED 10/16/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 20.0 ft	NORTHING 191,791.3	EASTING 2,295,460.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER			





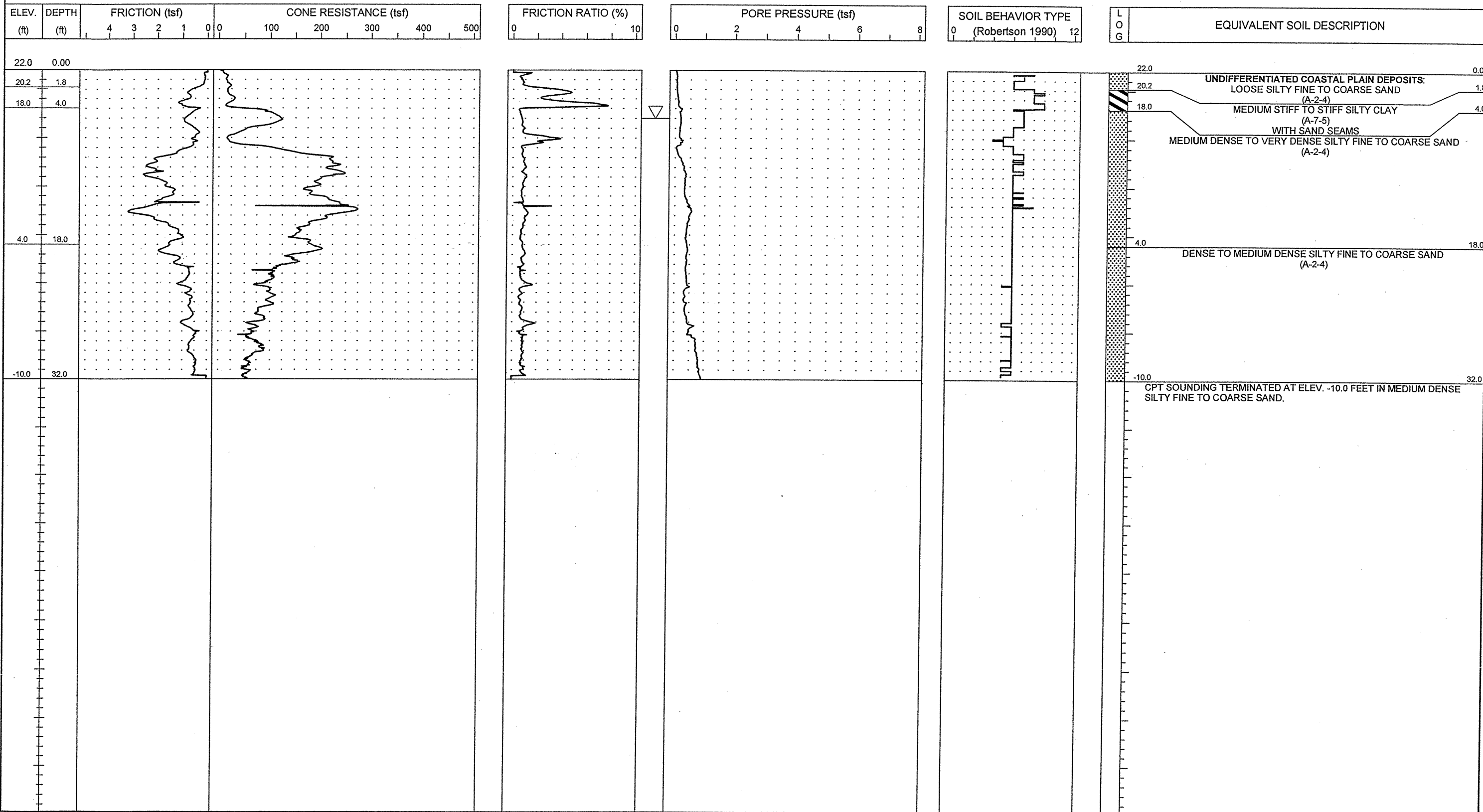
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 30.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-120	BORING LOCATION 269+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,795.4	EASTING 2,295,660.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. 660 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06



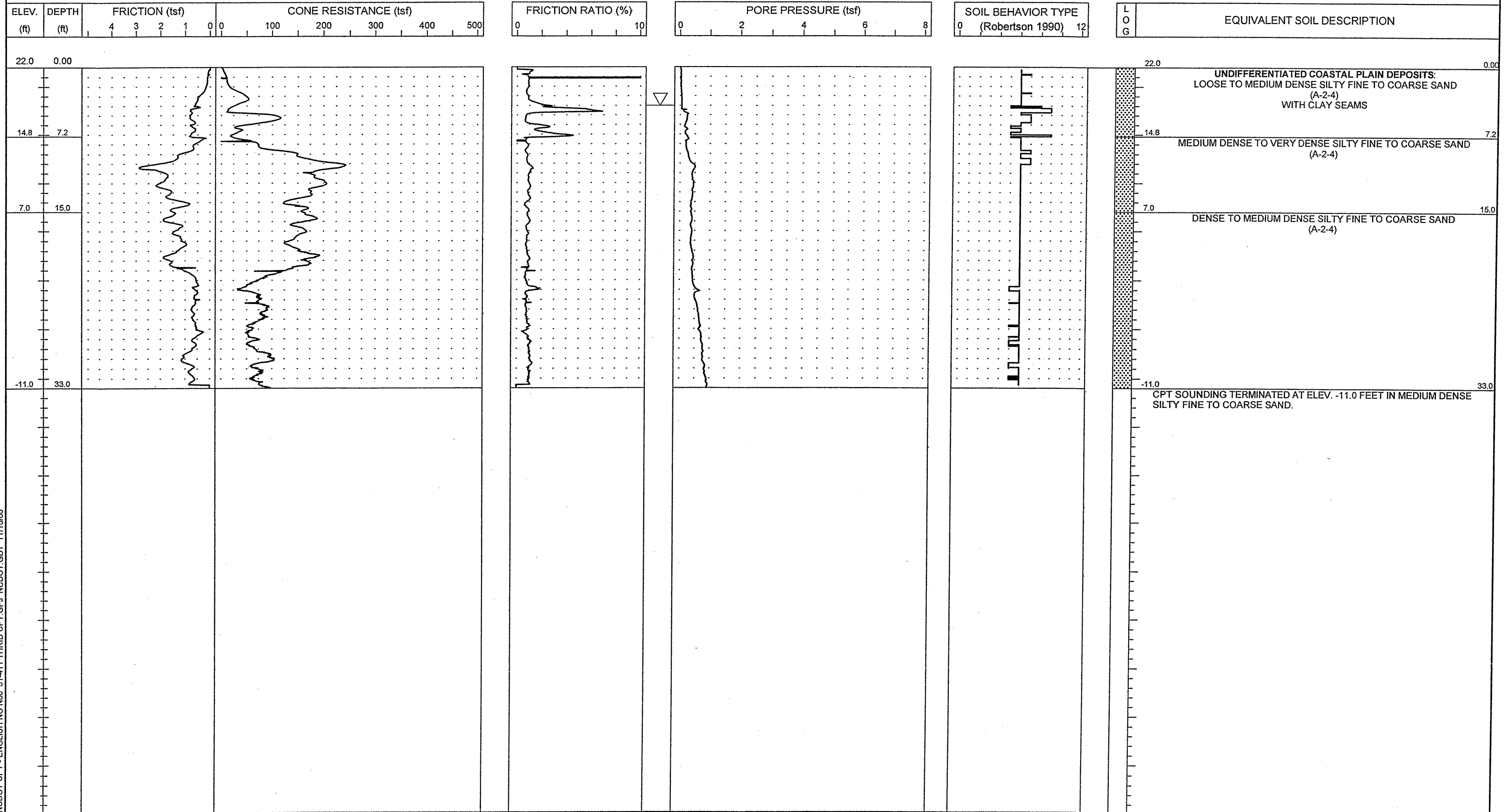
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 32.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-121	BORING LOCATION 271+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,799.5	EASTING 2,295,860.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. 660 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06



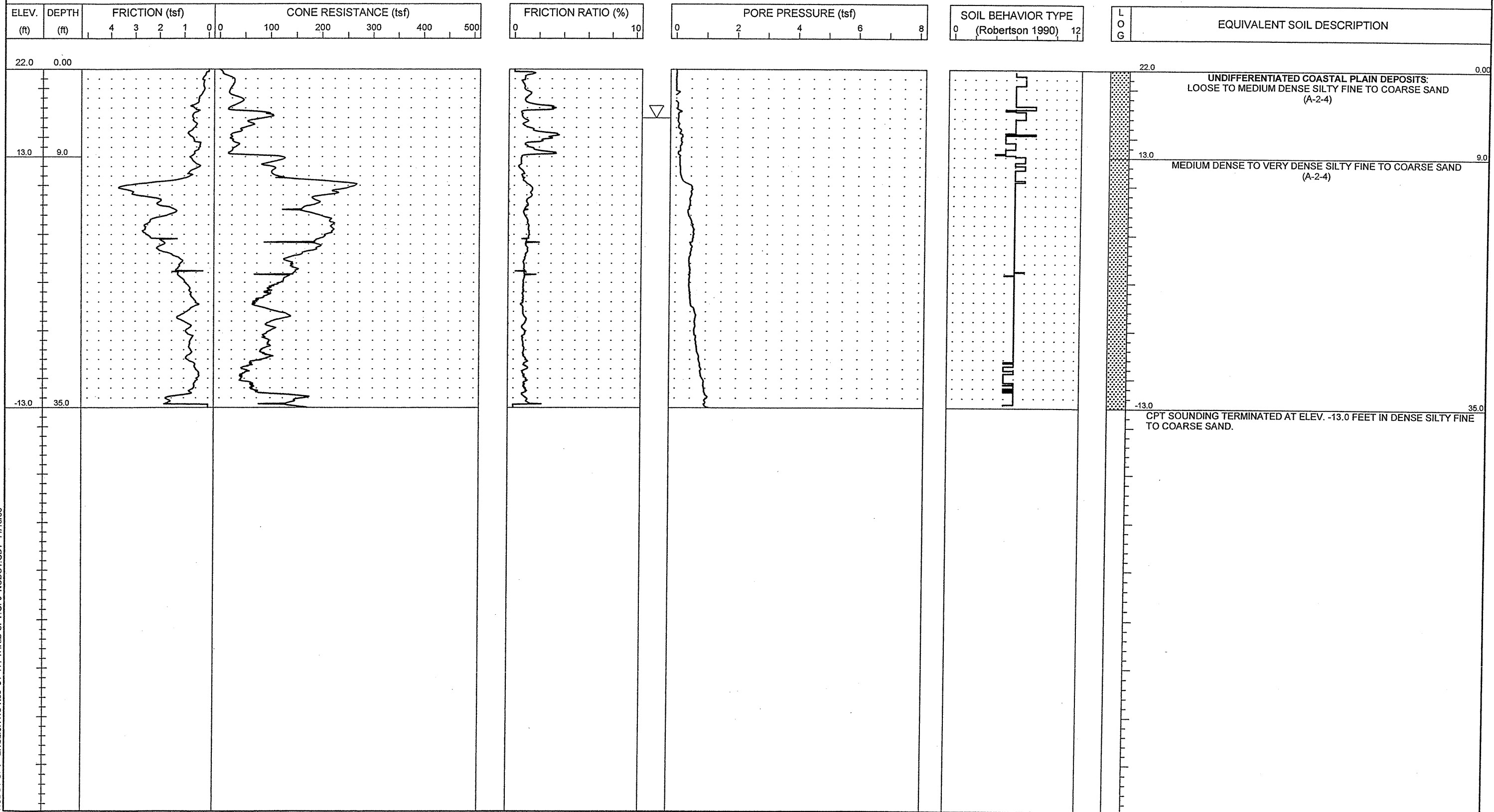
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 33.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-122	BORING LOCATION 273+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 4.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,803.6	EASTING 2,296,060.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N80 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06

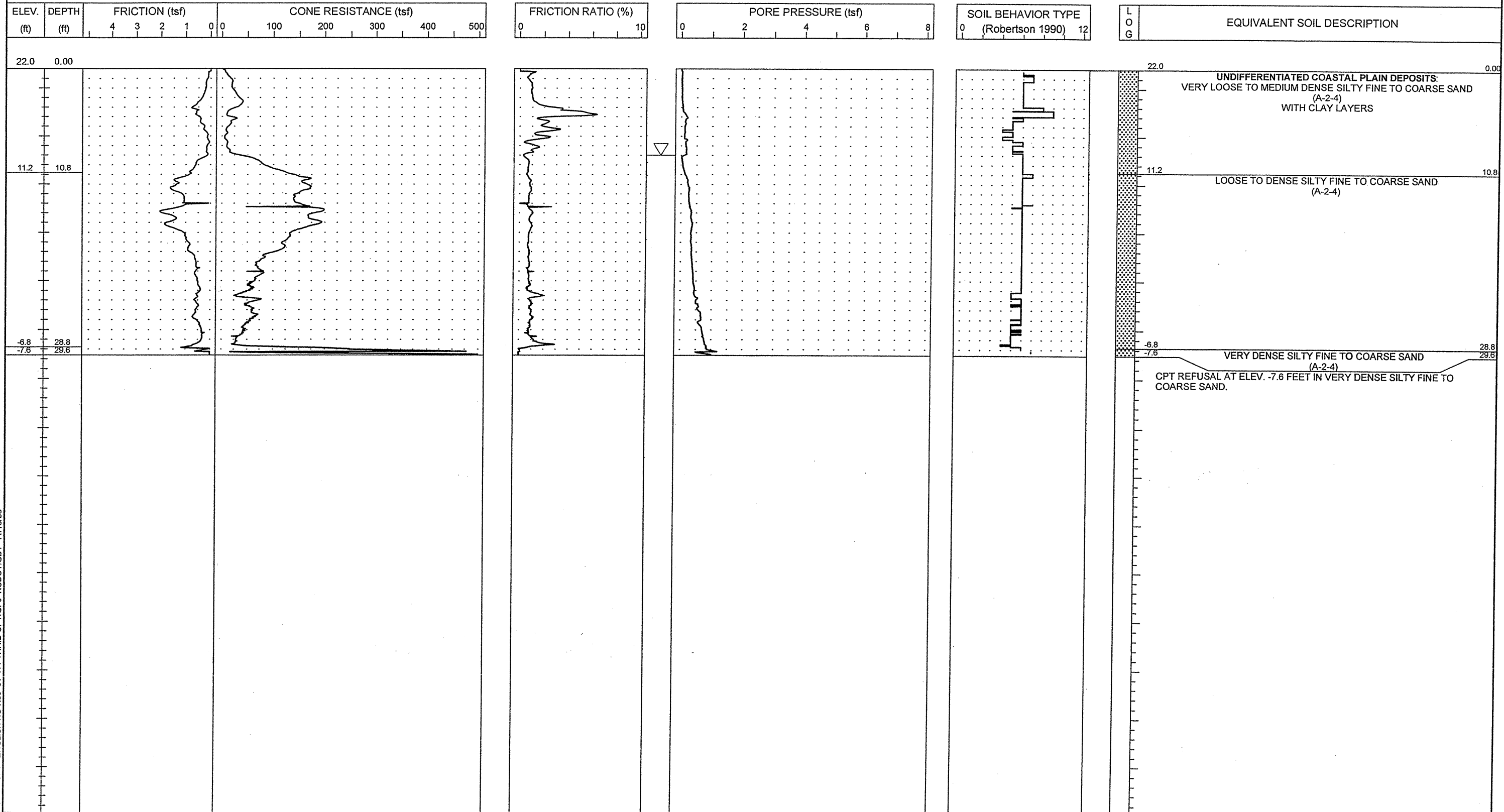


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 35.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-123	BORING LOCATION -275+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,807.7	EASTING 2,296,260.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



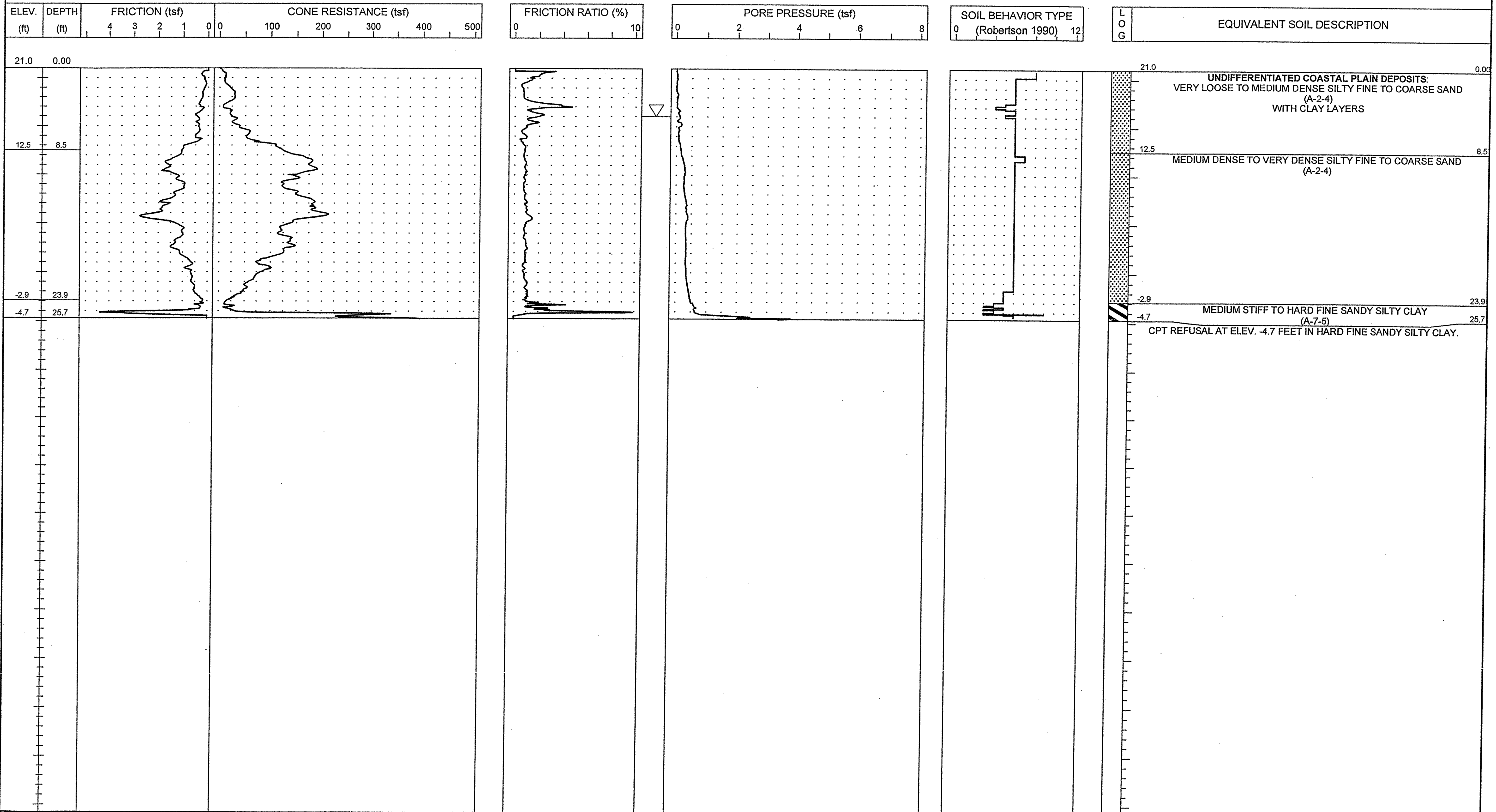
NCDOT CPT - ENGLISH NO. N60 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 29.6 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-124	BORING LOCATION 277+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 9.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,811.7	EASTING 2,296,460.7	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



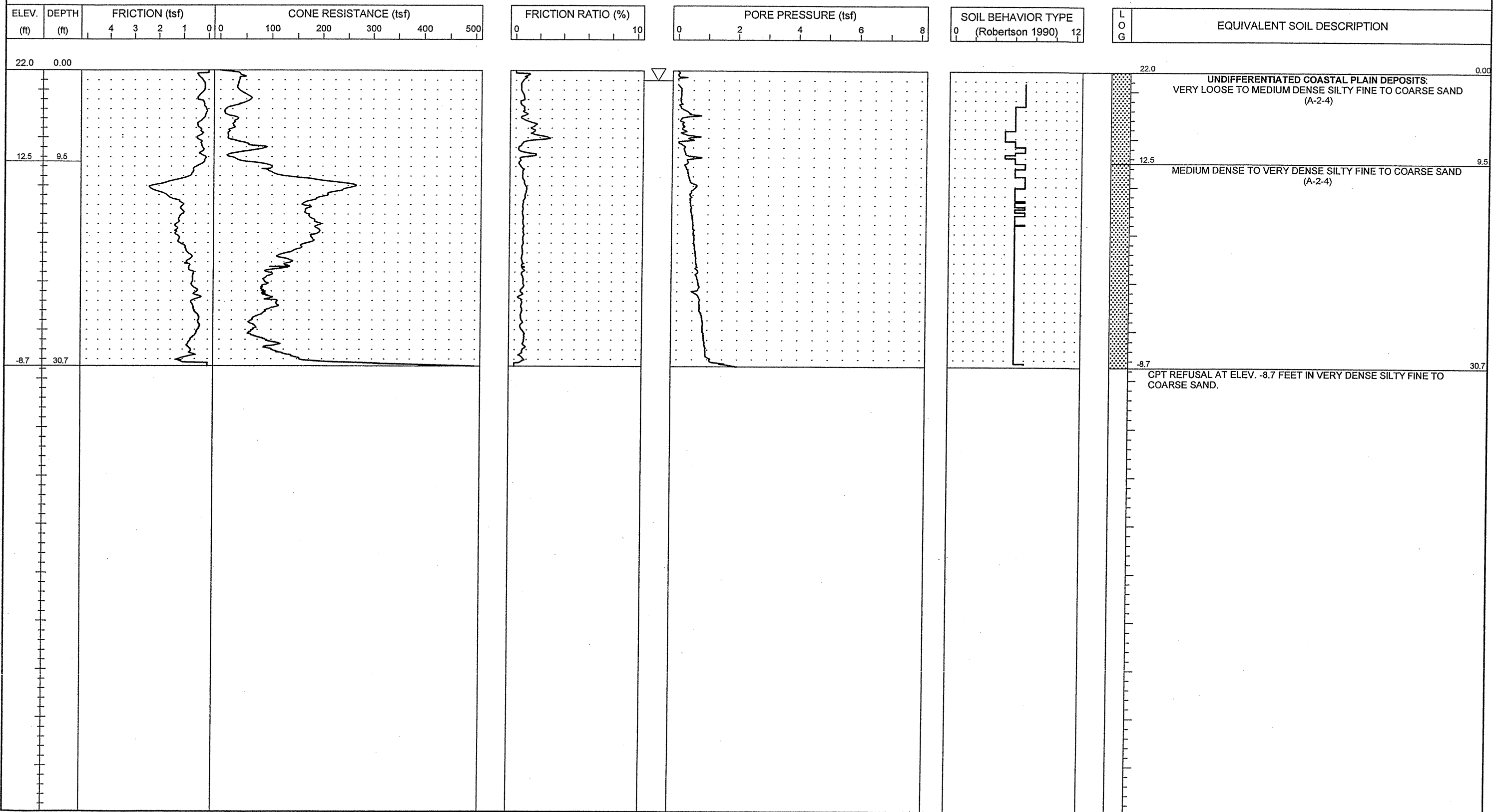
NCDOT CPT - ENGLISH NO N60 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft) 0 HR. 5.0	TOTAL DEPTH 25.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-125	BORING LOCATION 279+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	DATE STARTED 10/16/06	COMPLETED 10/16/06	SURFACE WATER DEPTH N/A		
COLLAR ELEV. 21.0 ft	NORTHING 191,815.8	EASTING 2,296,660.7	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER			





PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 30.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-126	BORING LOCATION 280+98	OFFSET 10.0 ft RT	ALIGNMENT -L-	0 HR. 1.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 22.0 ft	NORTHING 191,809.9	EASTING 2,296,858.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

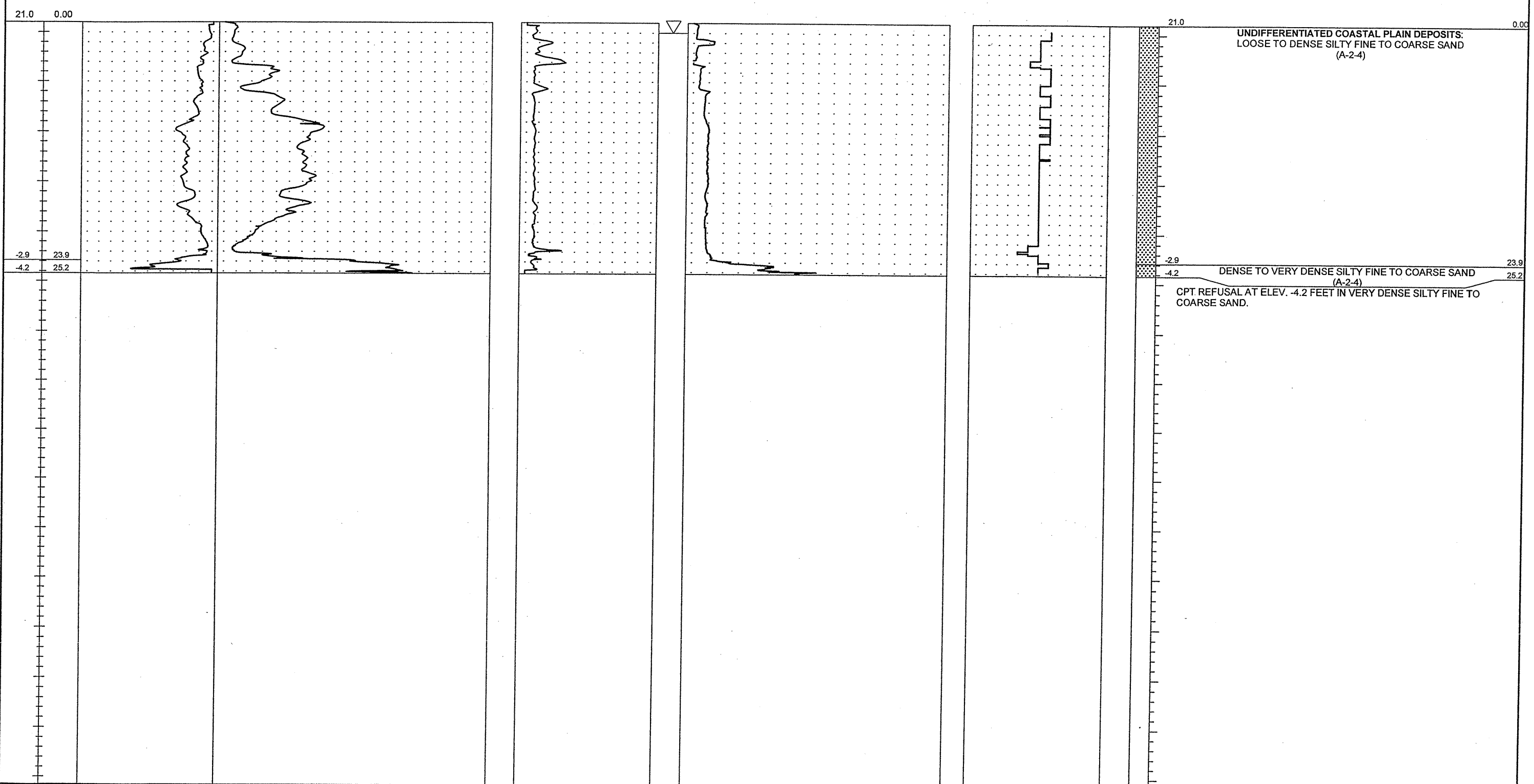


NCDOT CPT - ENGLISH NO N80 51-411 SEC CPT-GPJ NCDOT GDT 11/16/06



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 25.2 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-127	BORING LOCATION 282+50	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 1.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 21.0 ft	NORTHING 1,918,232.0	EASTING 2,297,010.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
				HAMMER TYPE N/A		

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		

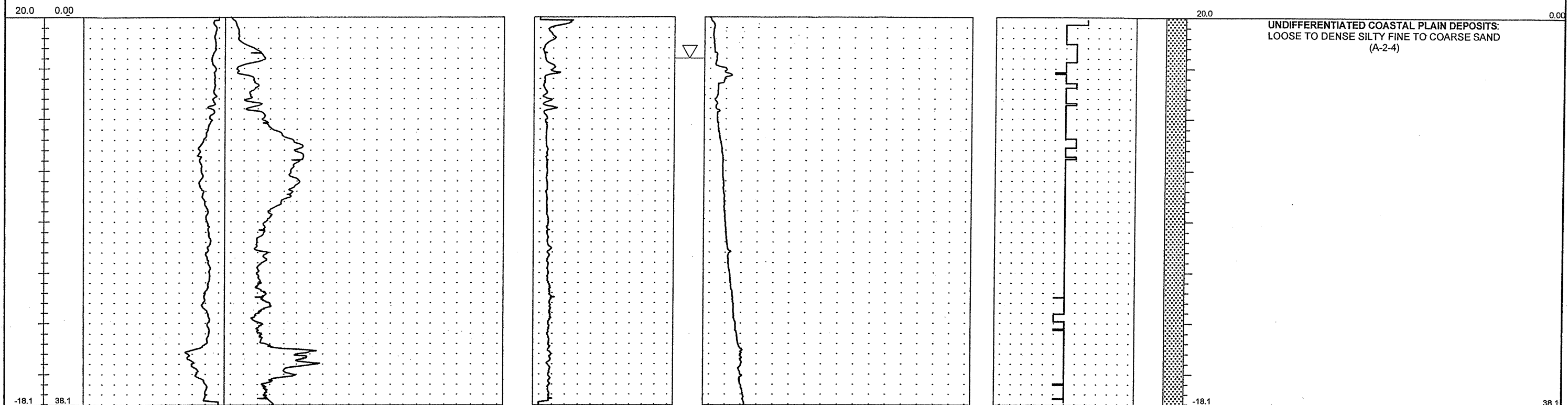


NCDOT CPT - ENGLISH NO. N60.51-411 SEC CPT.GPJ NCDOT.GDT 11/16/06



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 38.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-128	BORING LOCATION 285+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 4.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 20.0 ft	NORTHING 191,828.1	EASTING 2,297,260.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		



20.0 0.00

UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:
LOOSE TO DENSE SILTY FINE TO COARSE SAND
(A-2-4)

-18.1 38.1

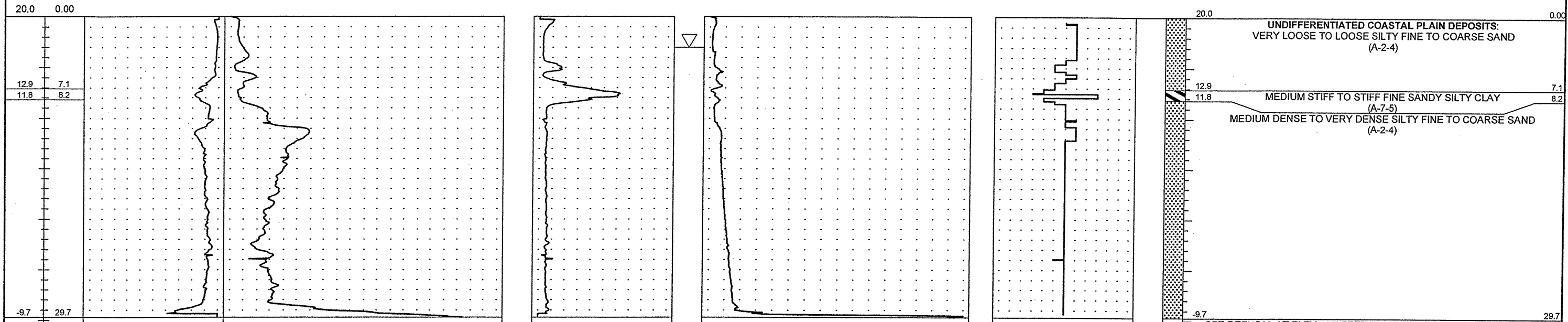
CPT SOUNDING TERMINATED AT ELEV. -18.1 FEET IN MEDIUM DENSE SILTY FINE TO COARSE SAND.

NCDOT CPT - ENGLISH NO N80 51-411 SEC CPT.GPJ NCDOT.GDT 11/16/06



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 29.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-129	BORING LOCATION 287+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 20.0 ft	NORTHING 191,832.2	EASTING 2,297,460.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
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20.0 0.00

UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:
VERY LOOSE TO LOOSE SILTY FINE TO COARSE SAND (A-2-4)

12.9 7.1
11.8 8.2

MEDIUM STIFF TO STIFF FINE SANDY SILTY CLAY (A-7-5)

MEDIUM DENSE TO VERY DENSE SILTY FINE TO COARSE SAND (A-2-4)

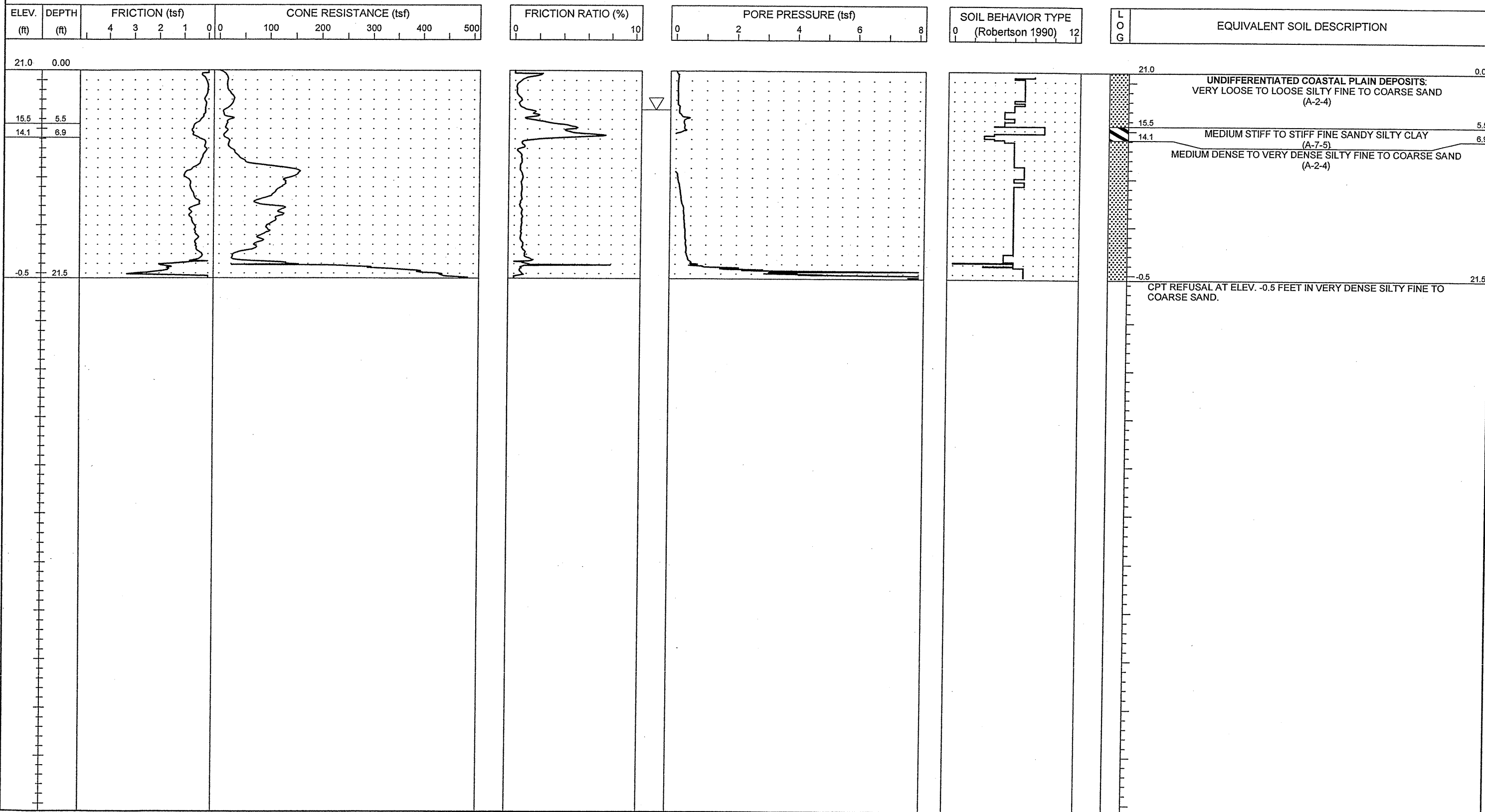
-9.7 29.7

CPT REFUSAL AT ELEV. -9.7 FEET IN VERY DENSE SILTY FINE TO COARSE SAND.

NCDOT CPT - ENGLISH NO. N60.51-411 SEC CPT.GPJ NCDOT.GDT 11/16/06



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 21.5 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-130	BORING LOCATION 289+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 4.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 21.0 ft	NORTHING 191,836.3	EASTING 2,297,660.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

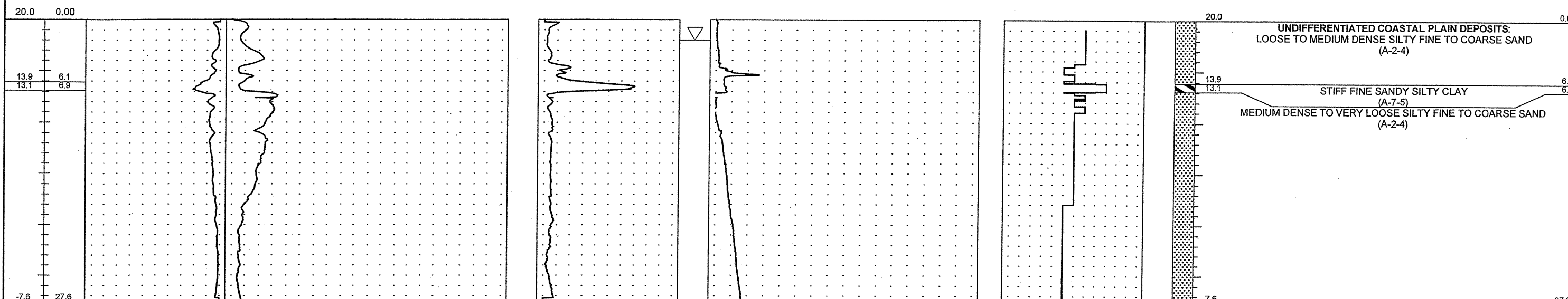


NCDOT CPT - ENGLISH NO. N60. 51-411 SEC CPT.GPJ NCDOT.GDT 11/16/06



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 27.6 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-131	BORING LOCATION 291+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 2.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 20.0 ft	NORTHING 191,840.4	EASTING 2,297,860.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	EQUIVALENT SOIL DESCRIPTION
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20.0 0.00

UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:
LOOSE TO MEDIUM DENSE SILTY FINE TO COARSE SAND
(A-2-4)

13.9 6.1
13.1 6.9

STIFF FINE SANDY SILTY CLAY
(A-7-5)

MEDIUM DENSE TO VERY LOOSE SILTY FINE TO COARSE SAND
(A-2-4)

6.1 6.9

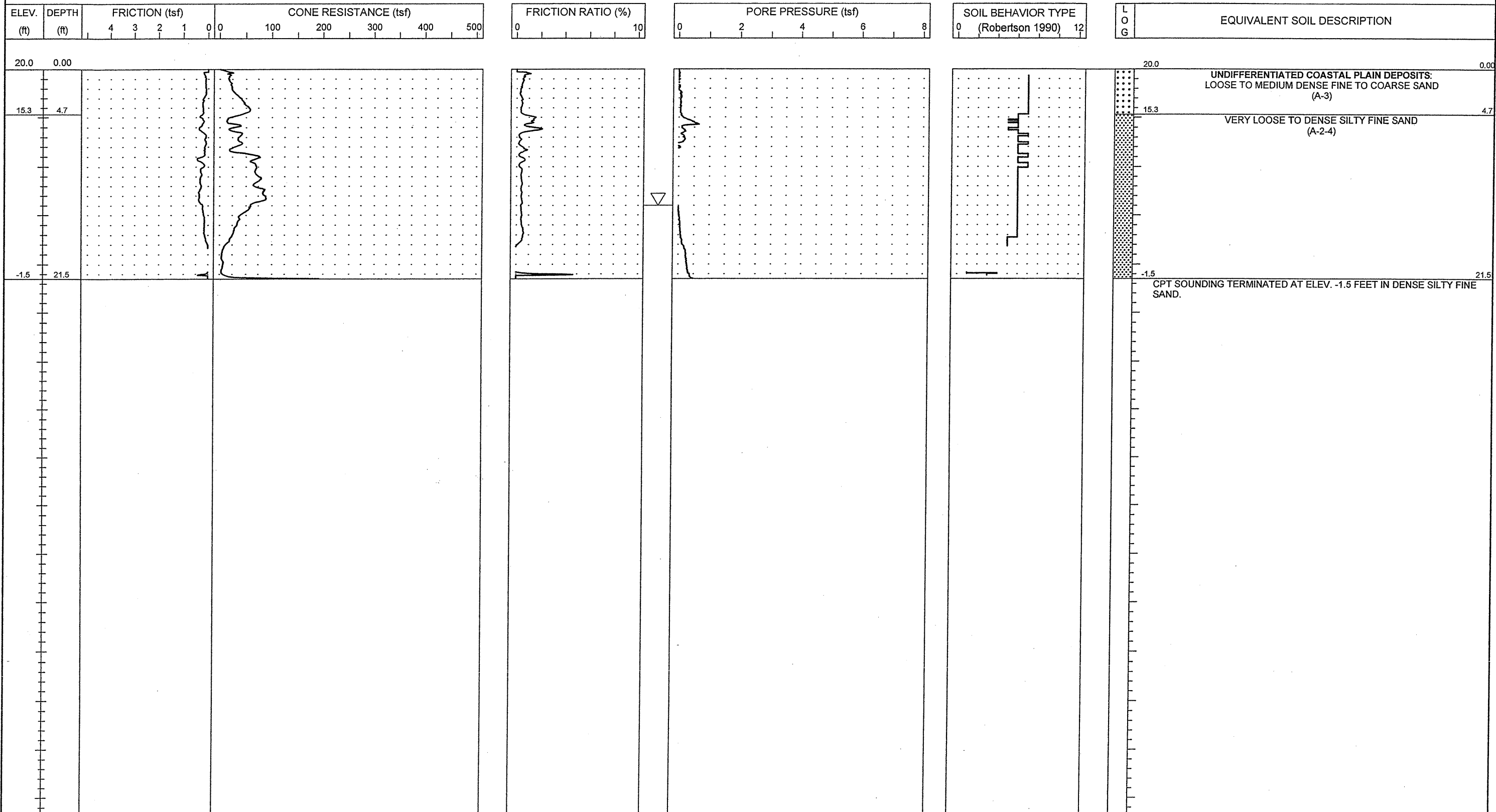
-7.6 27.6

CPT SOUNDING TERMINATED AT ELEV. -7.6 FEET IN LOOSE SILTY FINE TO COARSE SAND.

-7.6 27.6

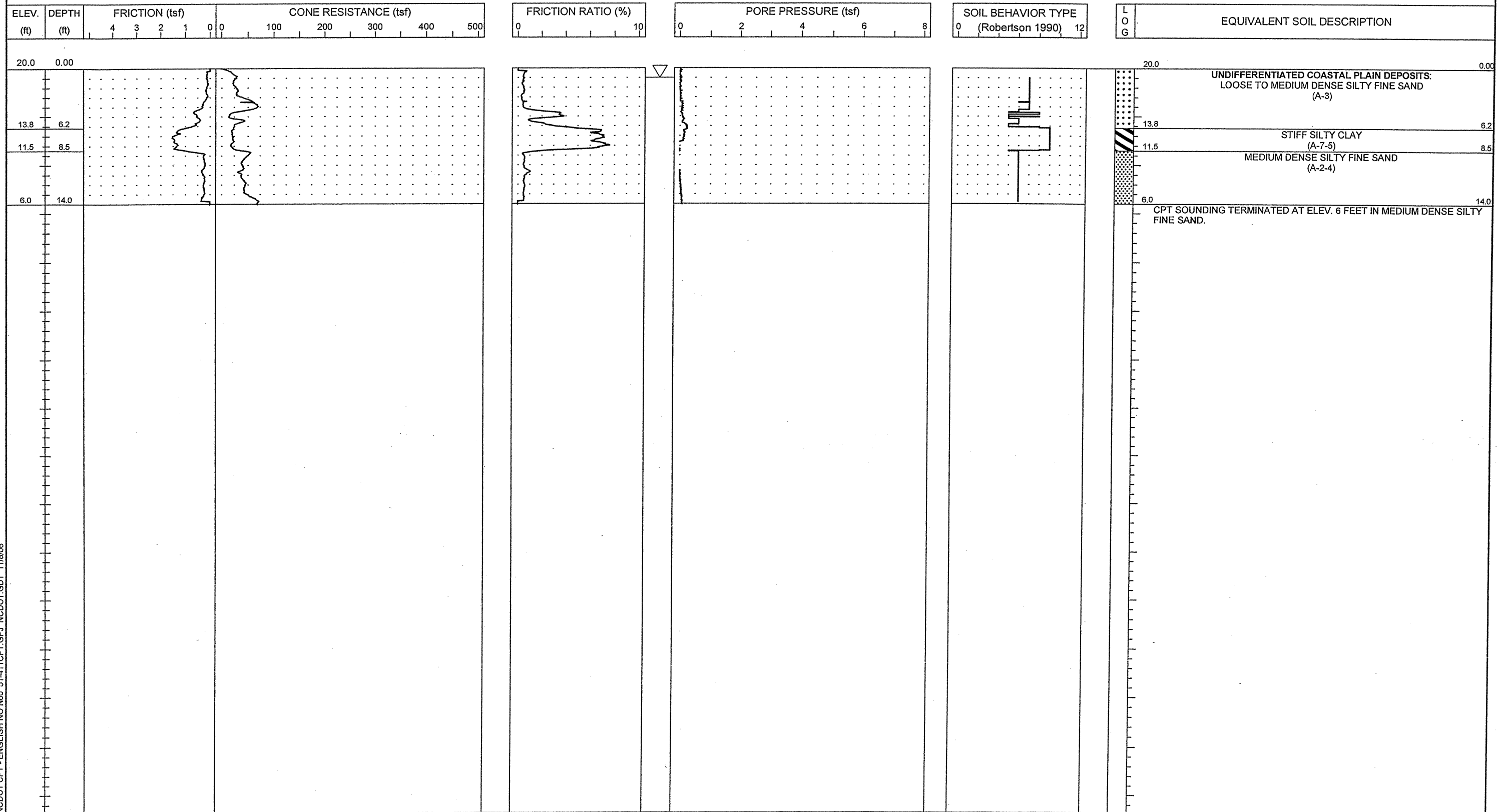


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 21.5 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-132	BORING LOCATION 293+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 14.0	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 20.0 ft	NORTHING 191,844.4	EASTING 2,298,060.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



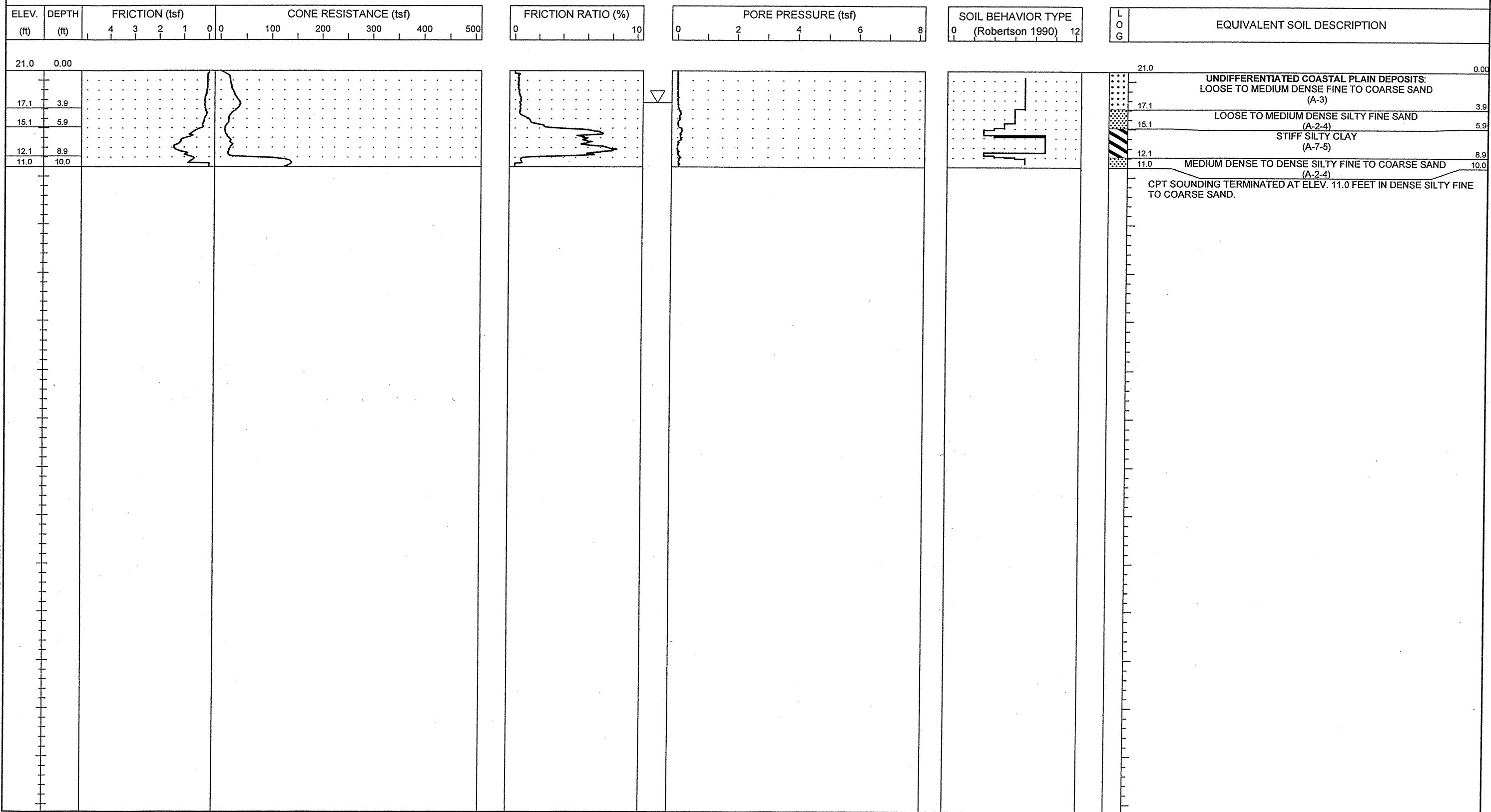


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 14.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-133	BORING LOCATION 295+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 1.0	DATE STARTED 9/29/06	COMPLETED 9/29/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 20.0 ft	NORTHING 191,848.5	EASTING 2,298,260.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER			





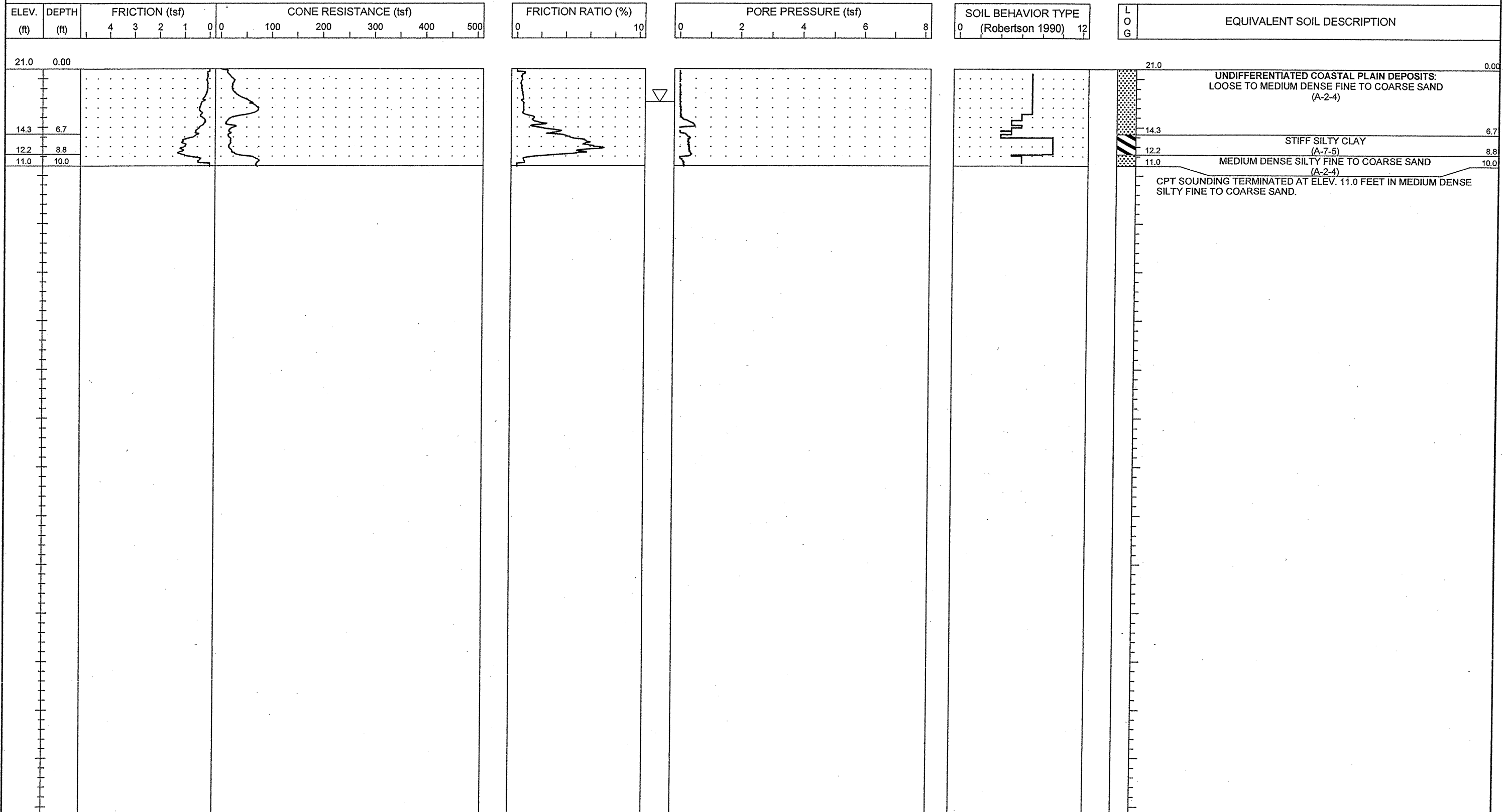
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-134	BORING LOCATION 297+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.3	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 21.0 ft	NORTHING 191,852.6	EASTING 2,298,460.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. 660 51-411CPT.GPJ NCDOT.GDT 11/8/06

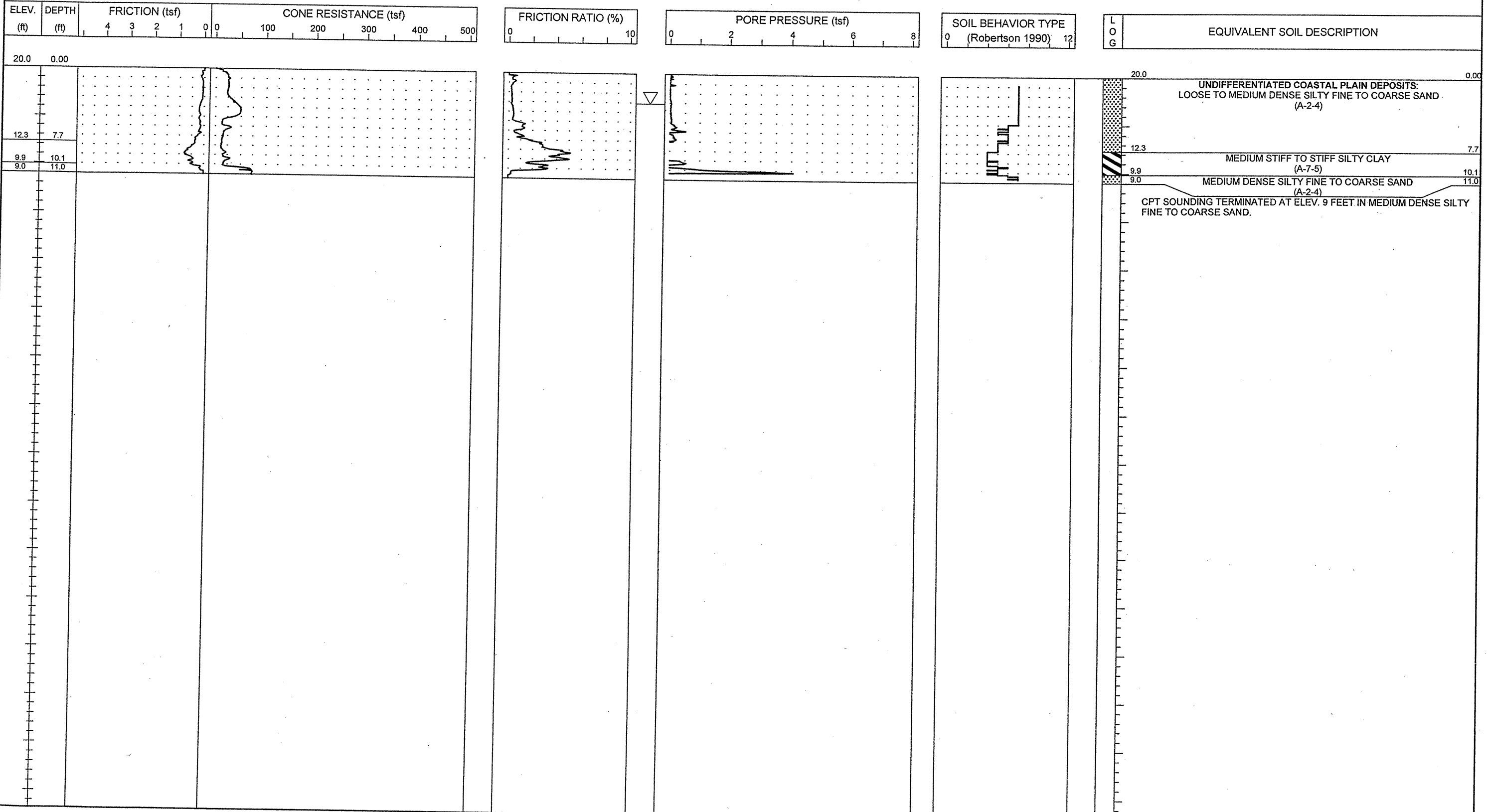


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-135	BORING LOCATION 299+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.4	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 21.0 ft	NORTHING 191,856.7	EASTING 2,298,660.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



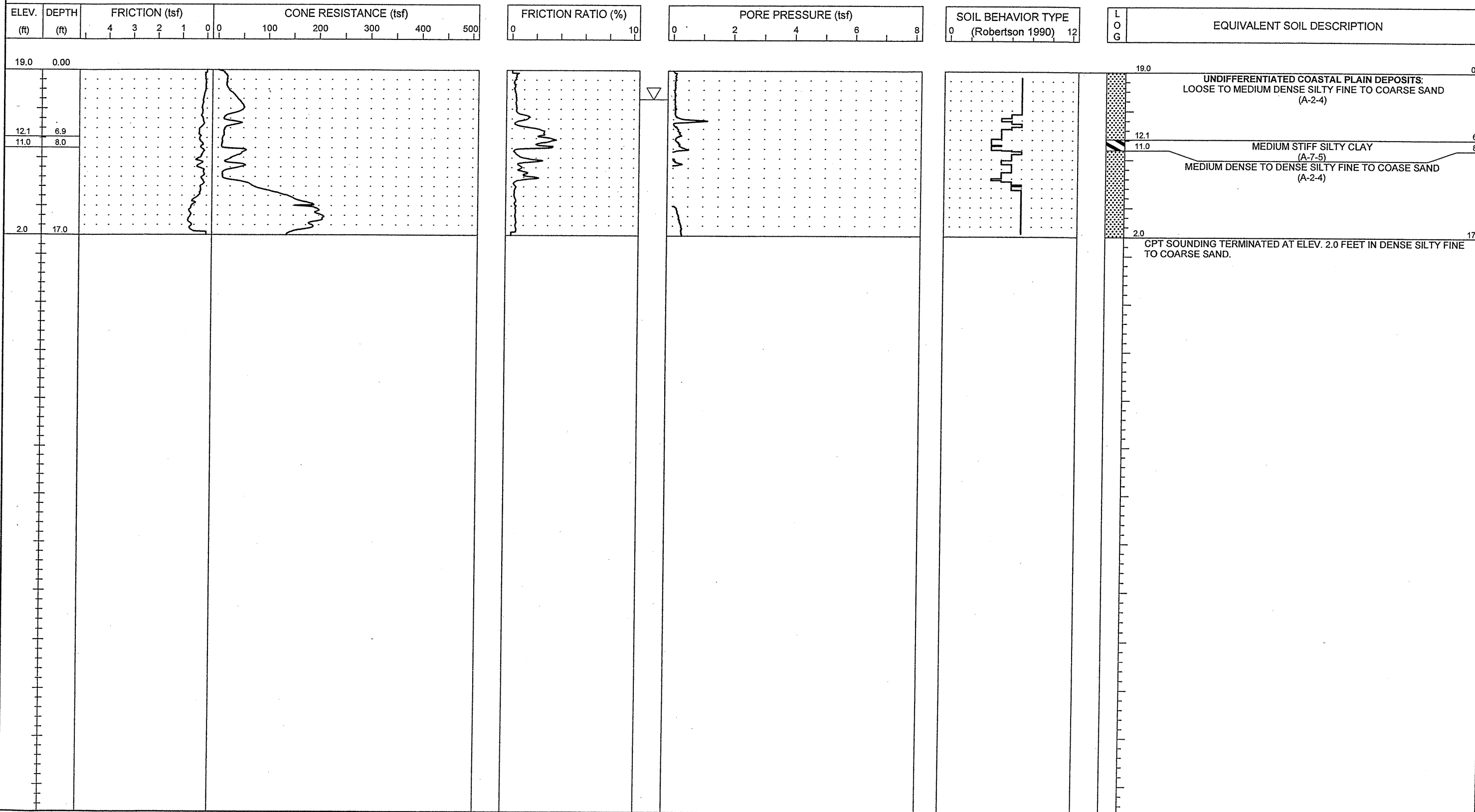
NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 11.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-136	BORING LOCATION 301+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.1	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 20.0 ft	NORTHING 191,860.8	EASTING 2,298,860.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		



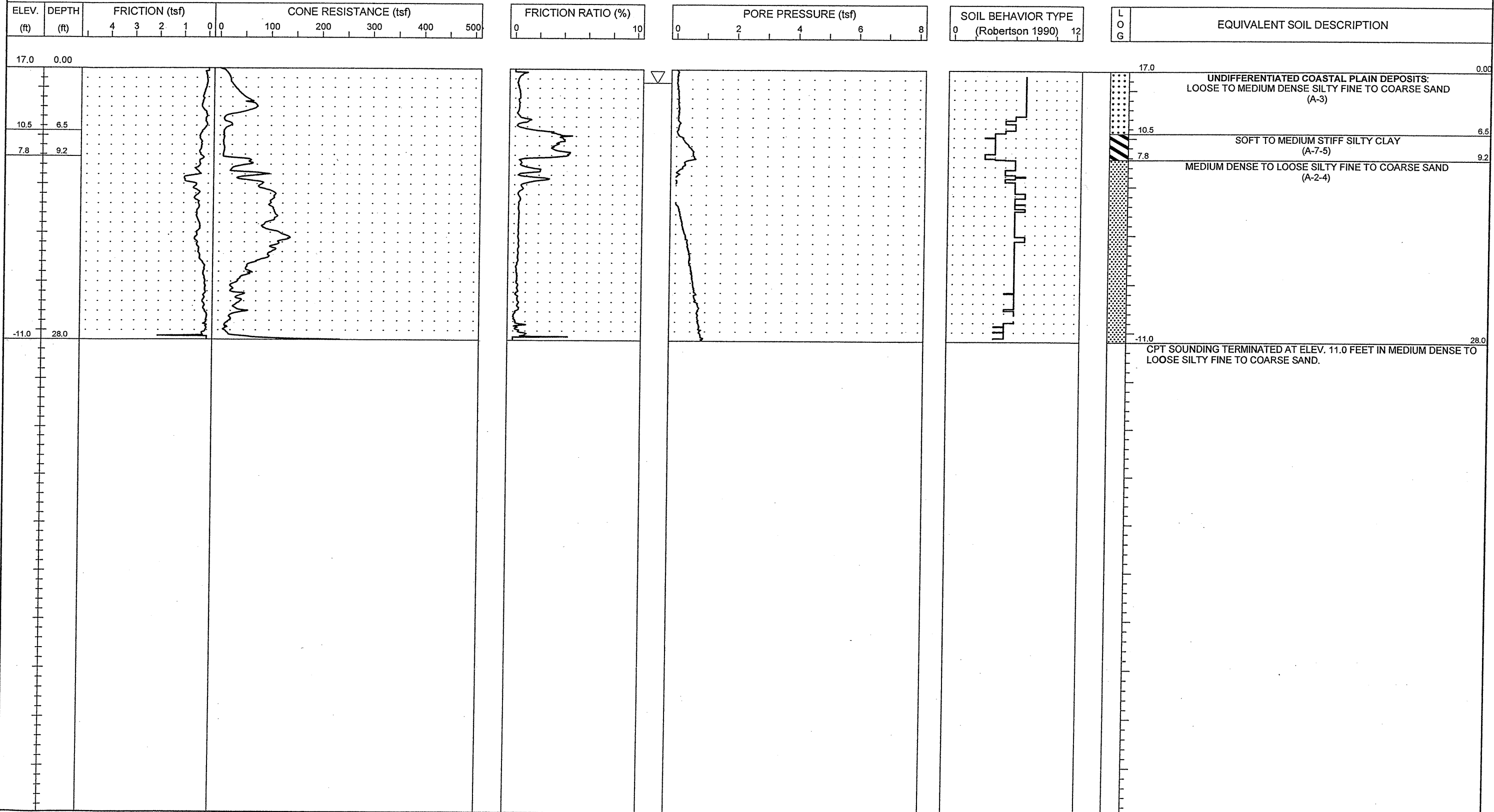


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 17.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-137	BORING LOCATION 303+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.0	DATE STARTED 9/28/06	COMPLETED 9/28/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 19.0 ft	NORTHING 191,864.9	EASTING 2,299,060.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER			





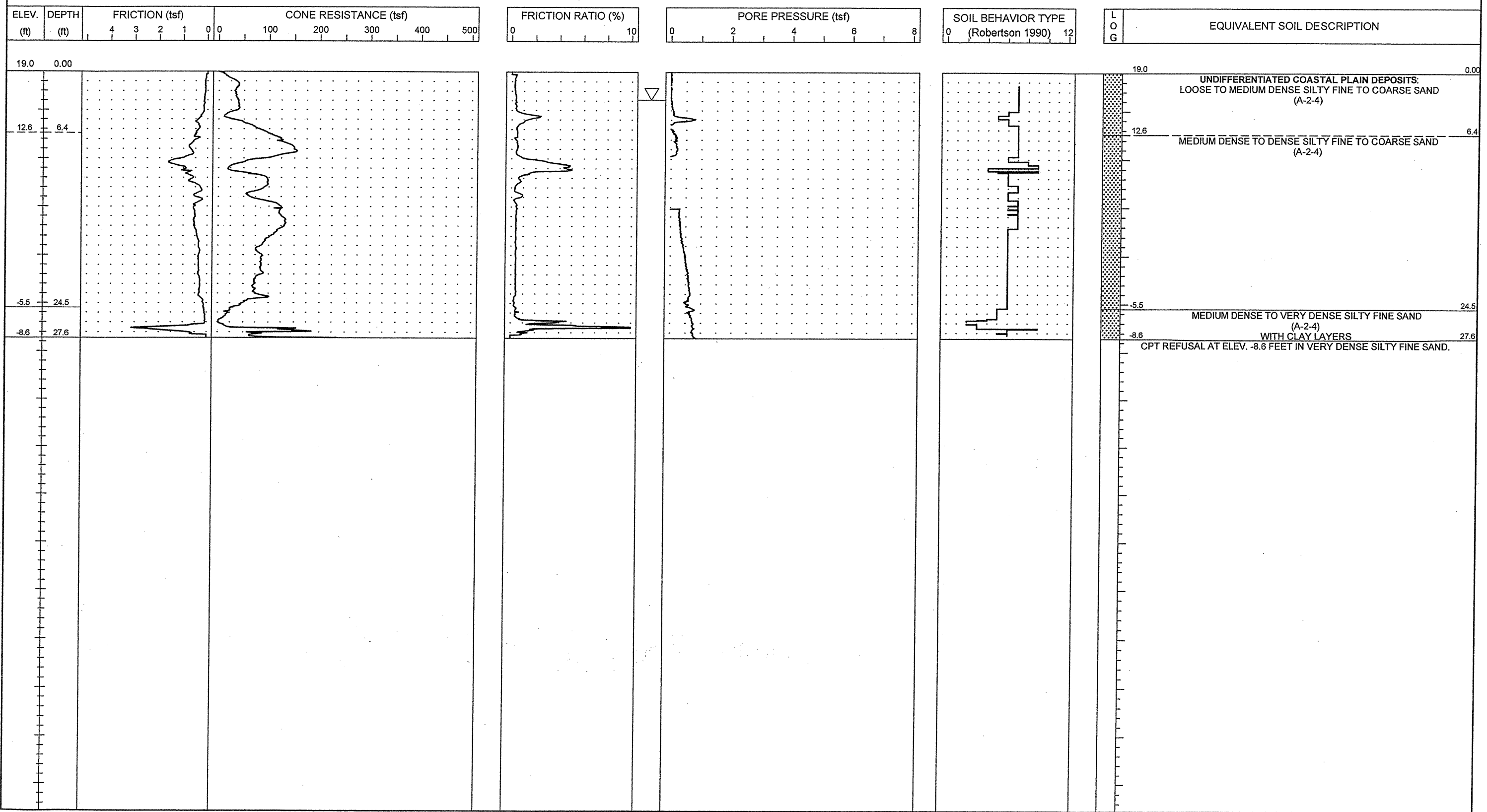
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 28.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-138	BORING LOCATION 305+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 1.4	DATE STARTED 9/28/06	COMPLETED 9/28/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 17.0 ft	NORTHING 191,869.0	EASTING 2,299,260.1		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06

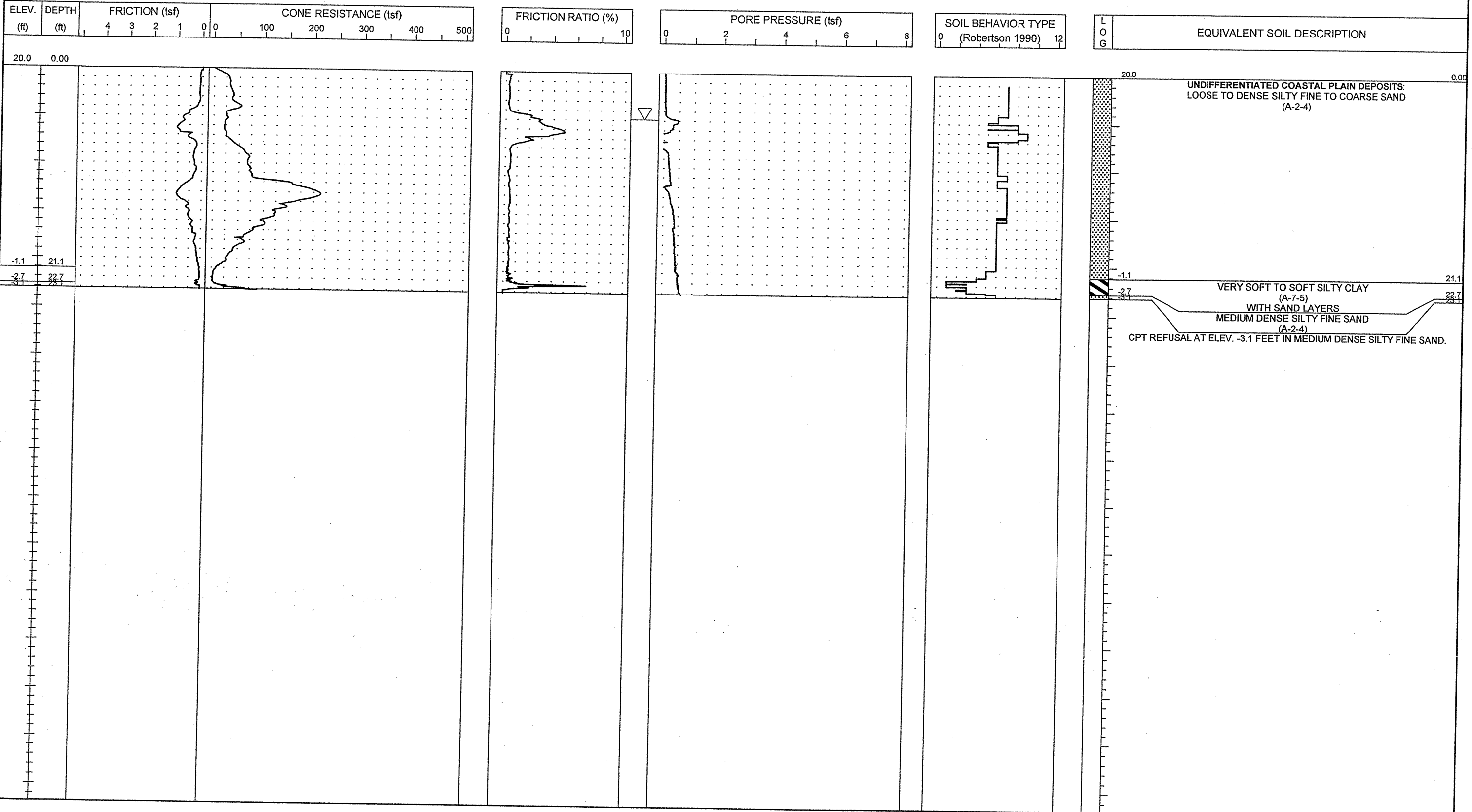


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 27.6 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-139	BORING LOCATION 307+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 2.9	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 19.0 ft	NORTHING 191,873.0	EASTING 2,299,460.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



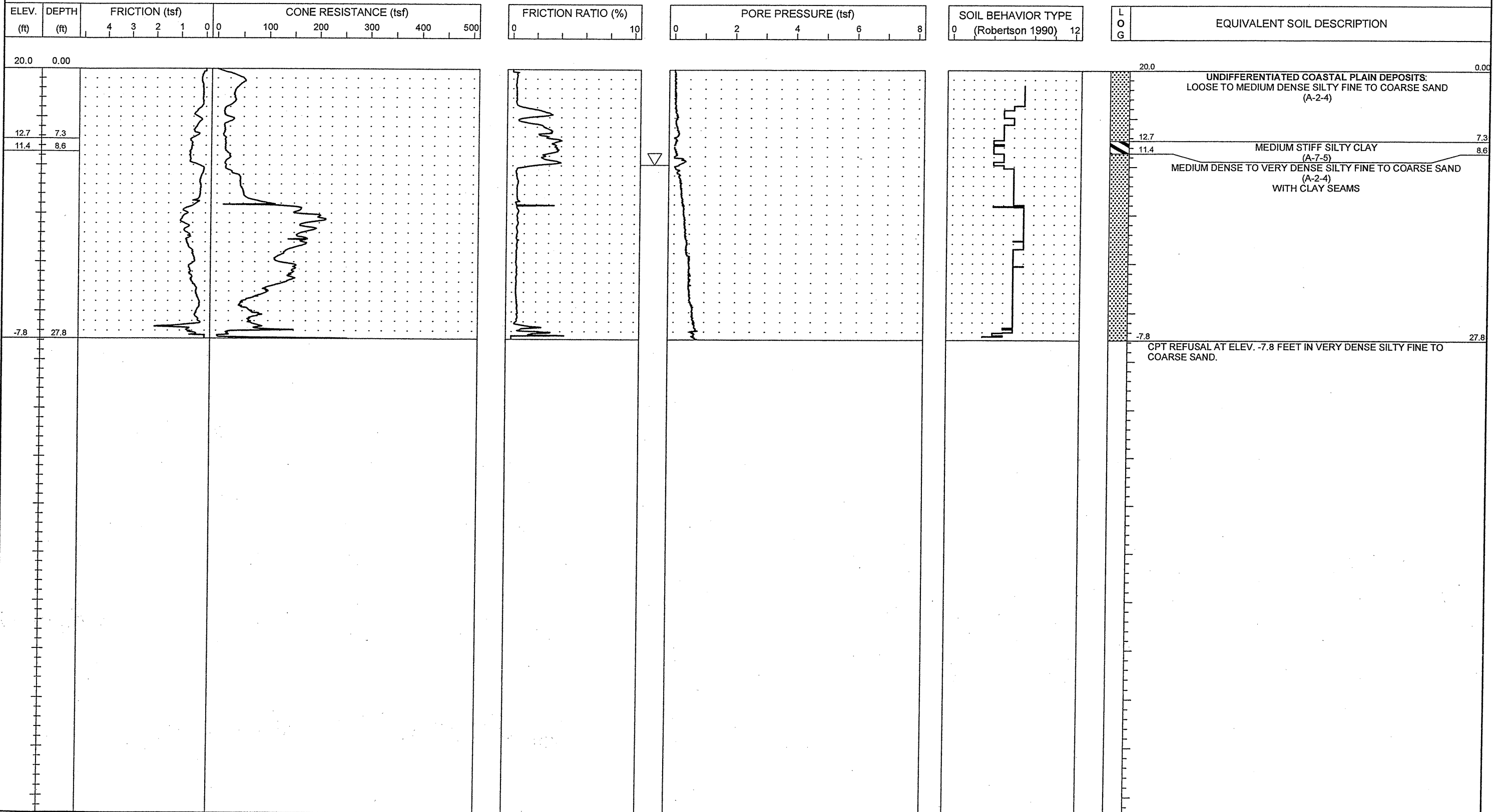
NCDOT CPT - ENGLISH NO. 660.51-411CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 23.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-140	BORING LOCATION 309+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 4.9	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 20.0 ft	NORTHING 191,877.1	EASTING 2,299,660.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		



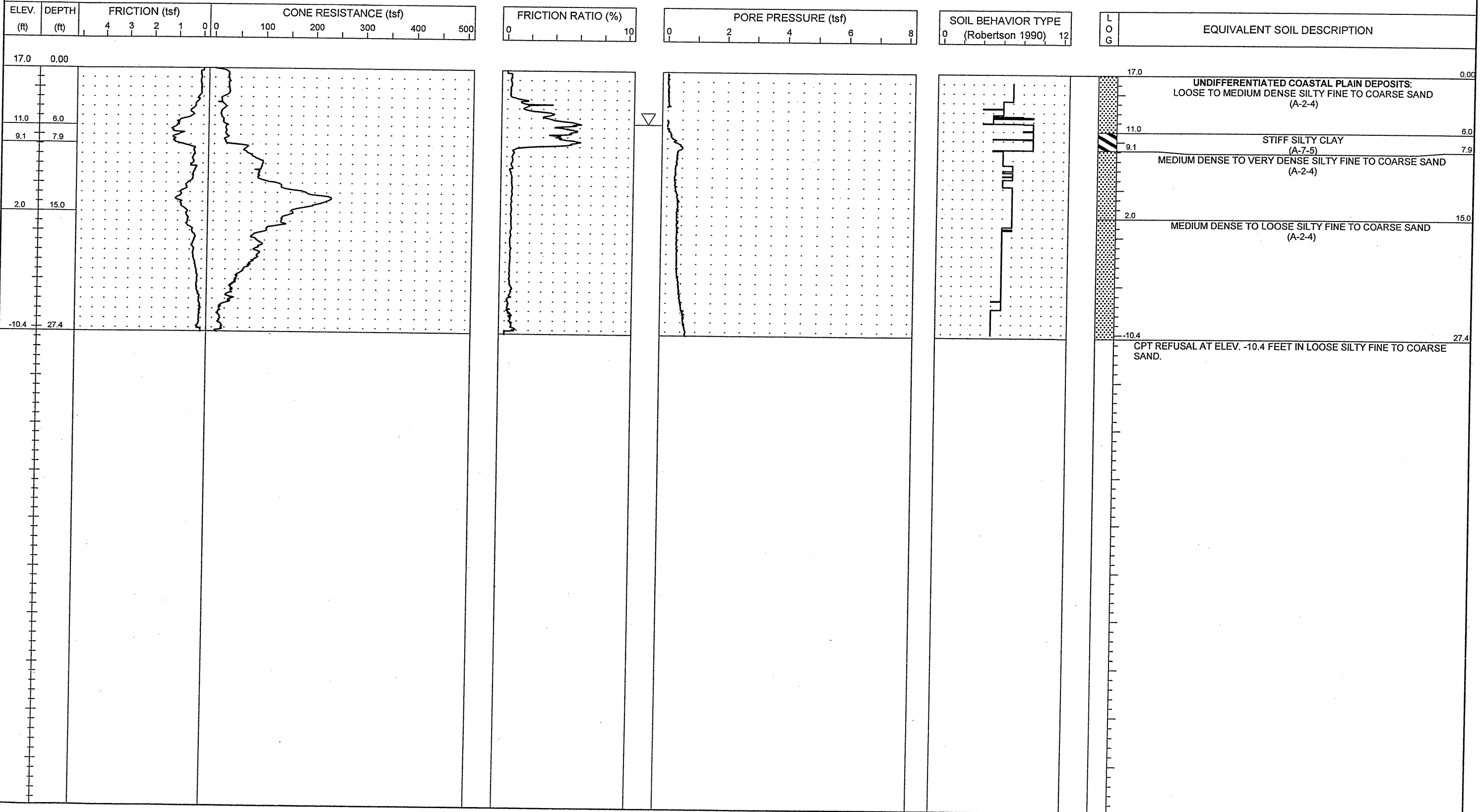


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 27.8 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-141	BORING LOCATION 311+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 9.9	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 20.0 ft	NORTHING 191,881.2	EASTING 2,299,860.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



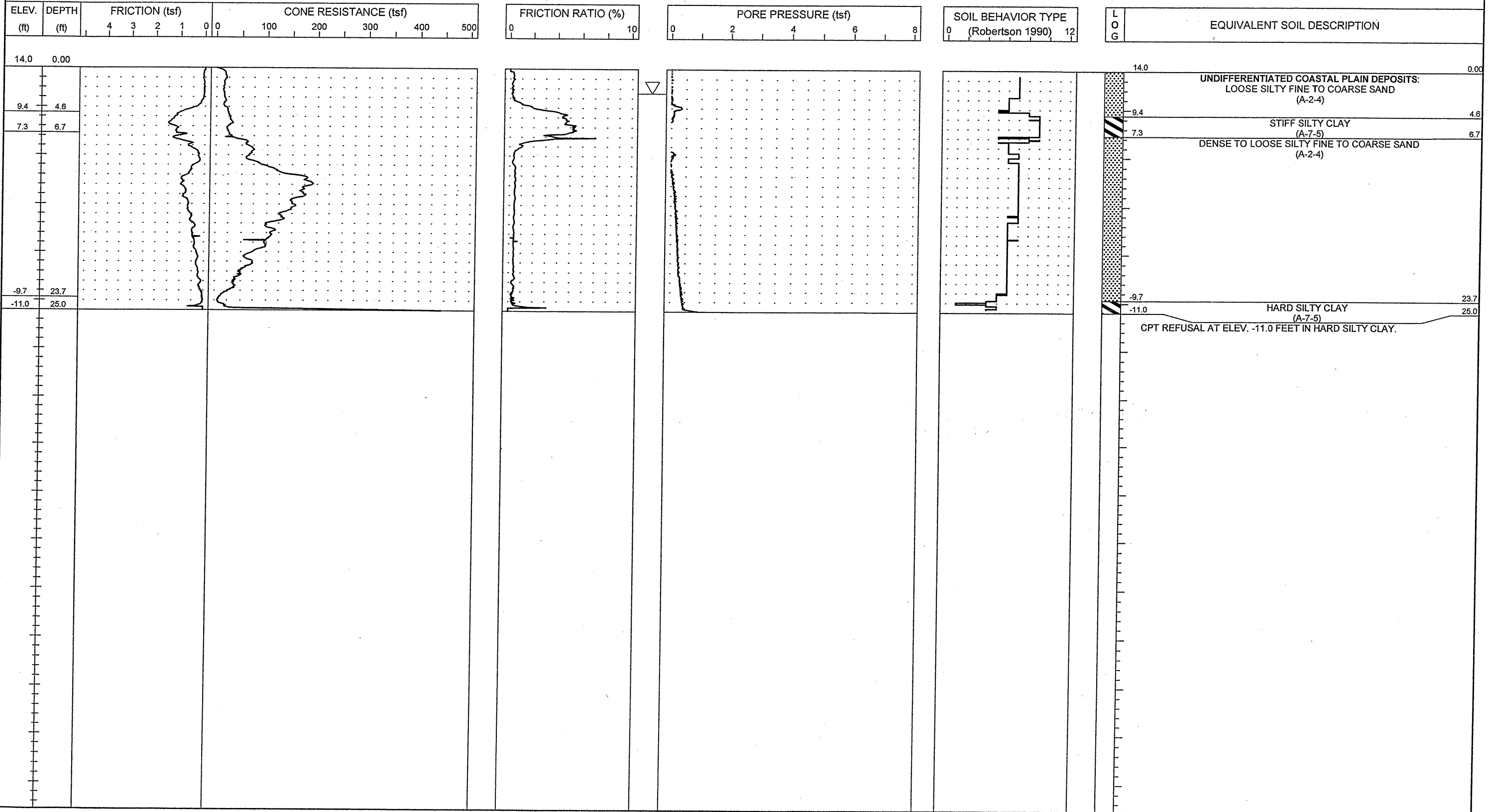
NCDOT CPT - ENGLISH NO. 660 51-411CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 27.4 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-142	BORING LOCATION 313+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 5.6	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 17.0 ft	NORTHING 191,885.3	EASTING 2,300,060.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



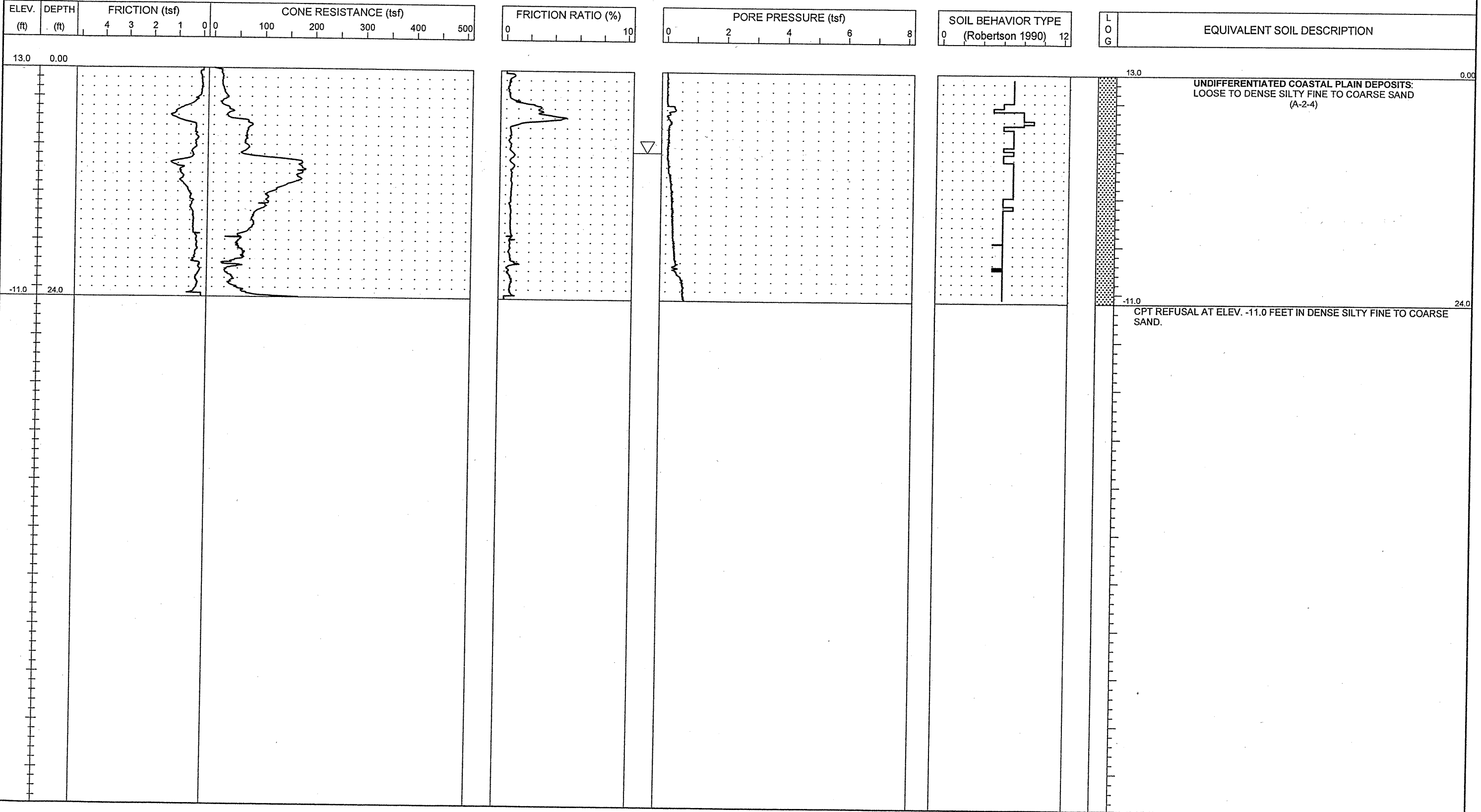


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 25.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-143	BORING LOCATION 315+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 2.5	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 14.0 ft	NORTHING 191,889.4	EASTING 2,300,259.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



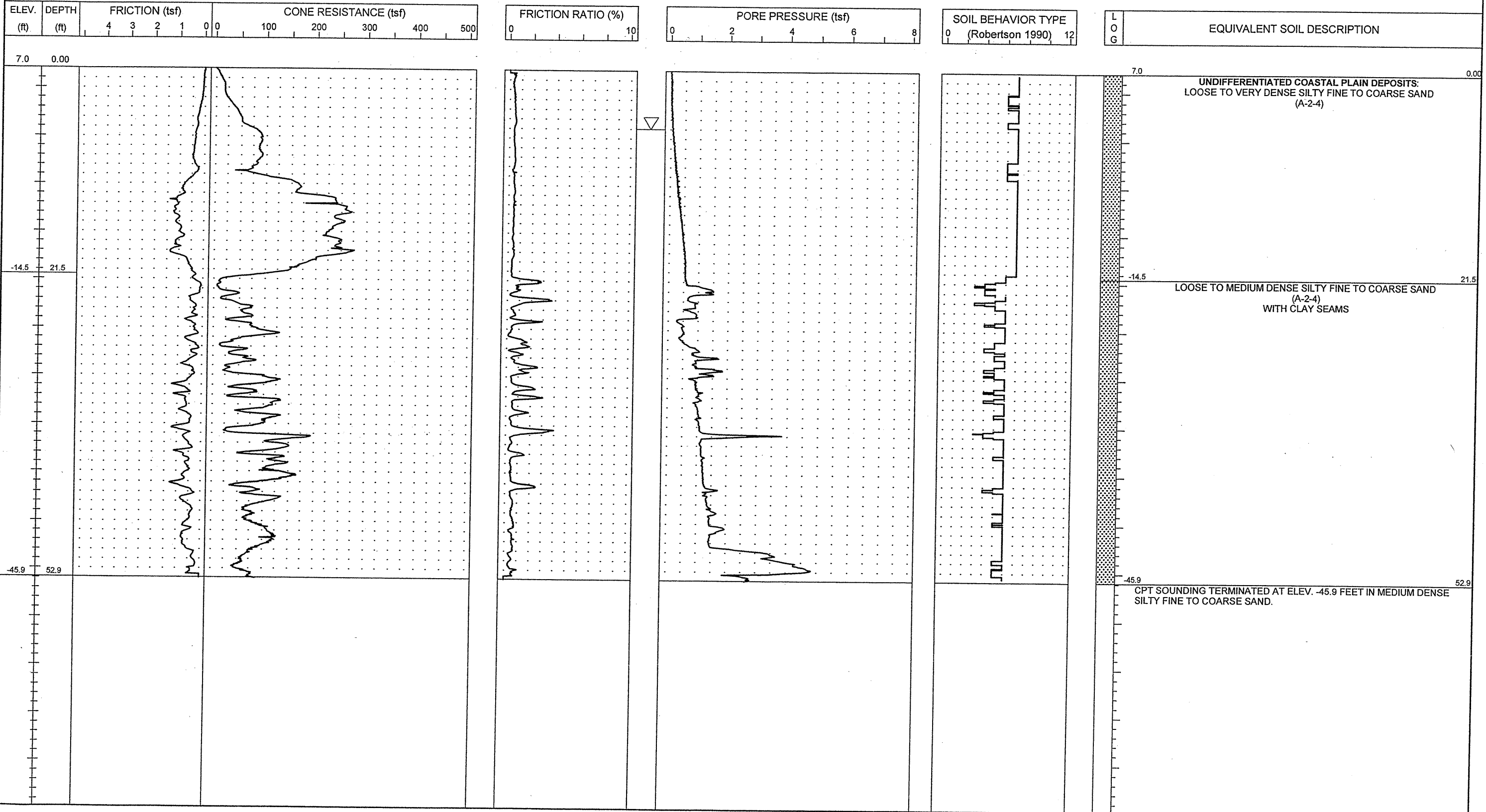


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 24.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-144	BORING LOCATION 317+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 8.5	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 13.0 ft	NORTHING 191,893.5	EASTING 2,300,459.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





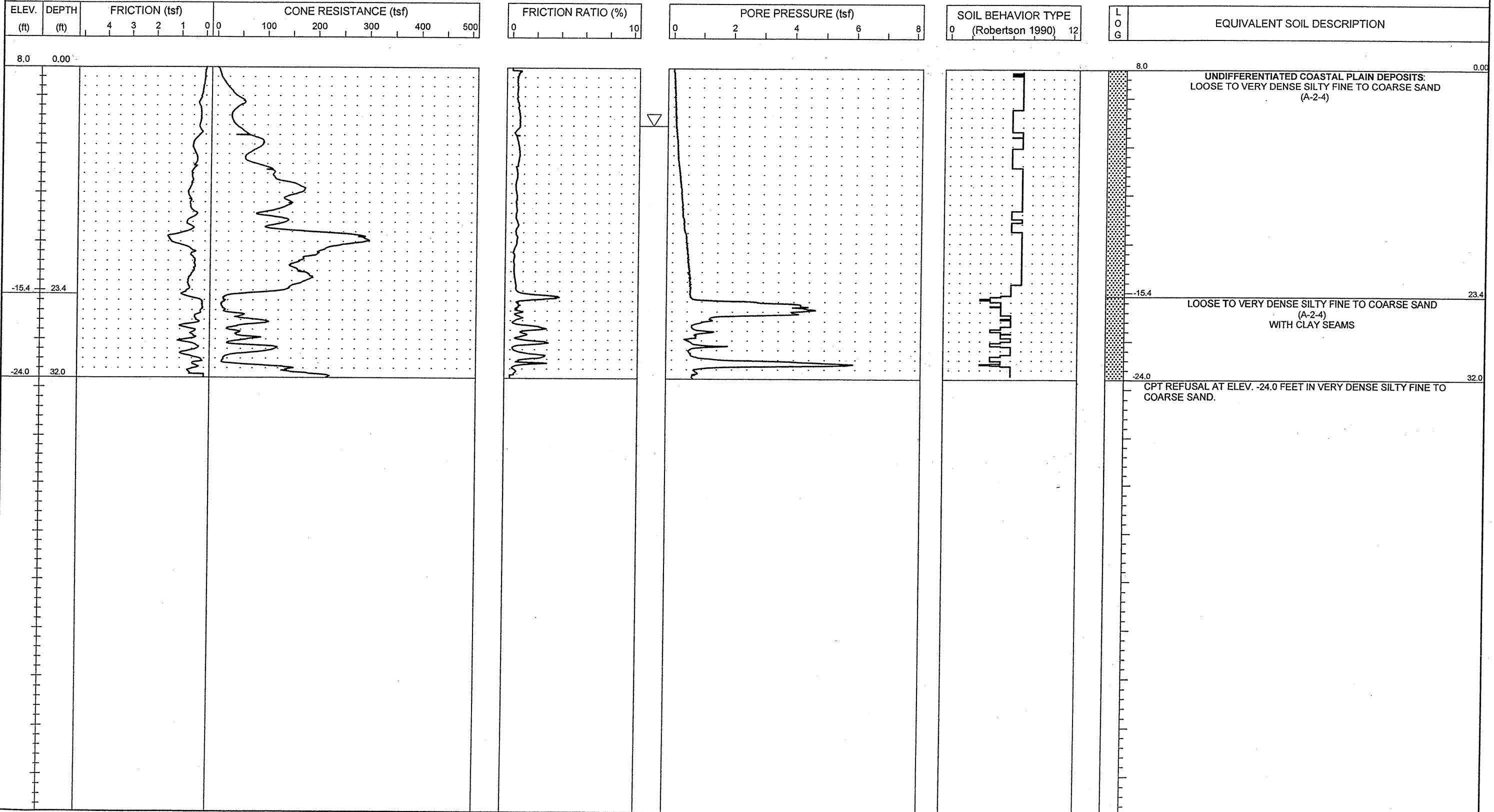
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 52.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-145	BORING LOCATION 389+50	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 6.0	DATE STARTED 9/27/06	COMPLETED 9/27/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 7.0 ft	NORTHING 193,352.0	EASTING 2,307,439.0		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



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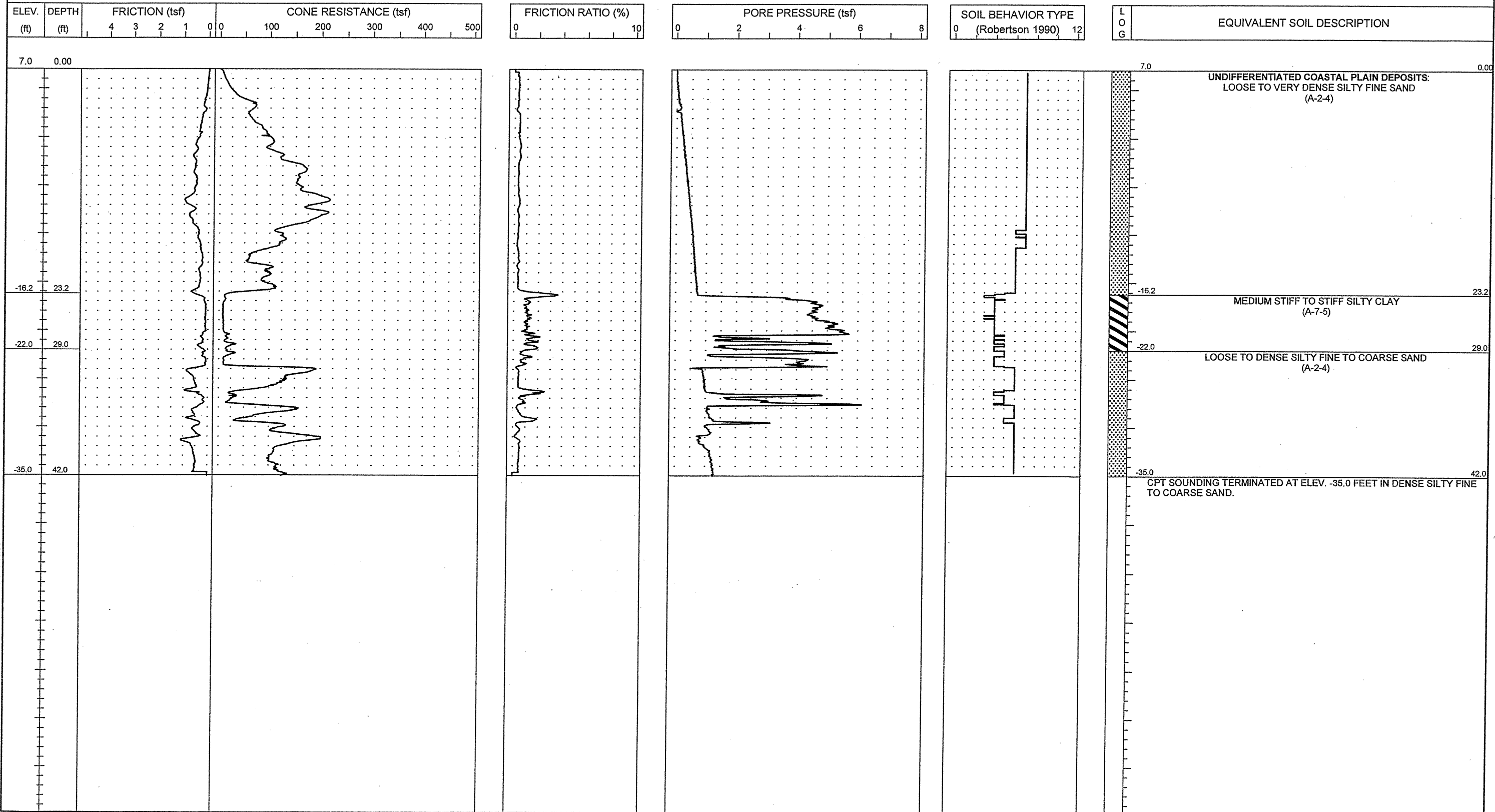
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 32.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-146	BORING LOCATION 391+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 6.0	DATE STARTED 9/27/06	COMPLETED 9/27/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 8.0 ft	NORTHING 193,422.7	EASTING 2,307,564.8		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06

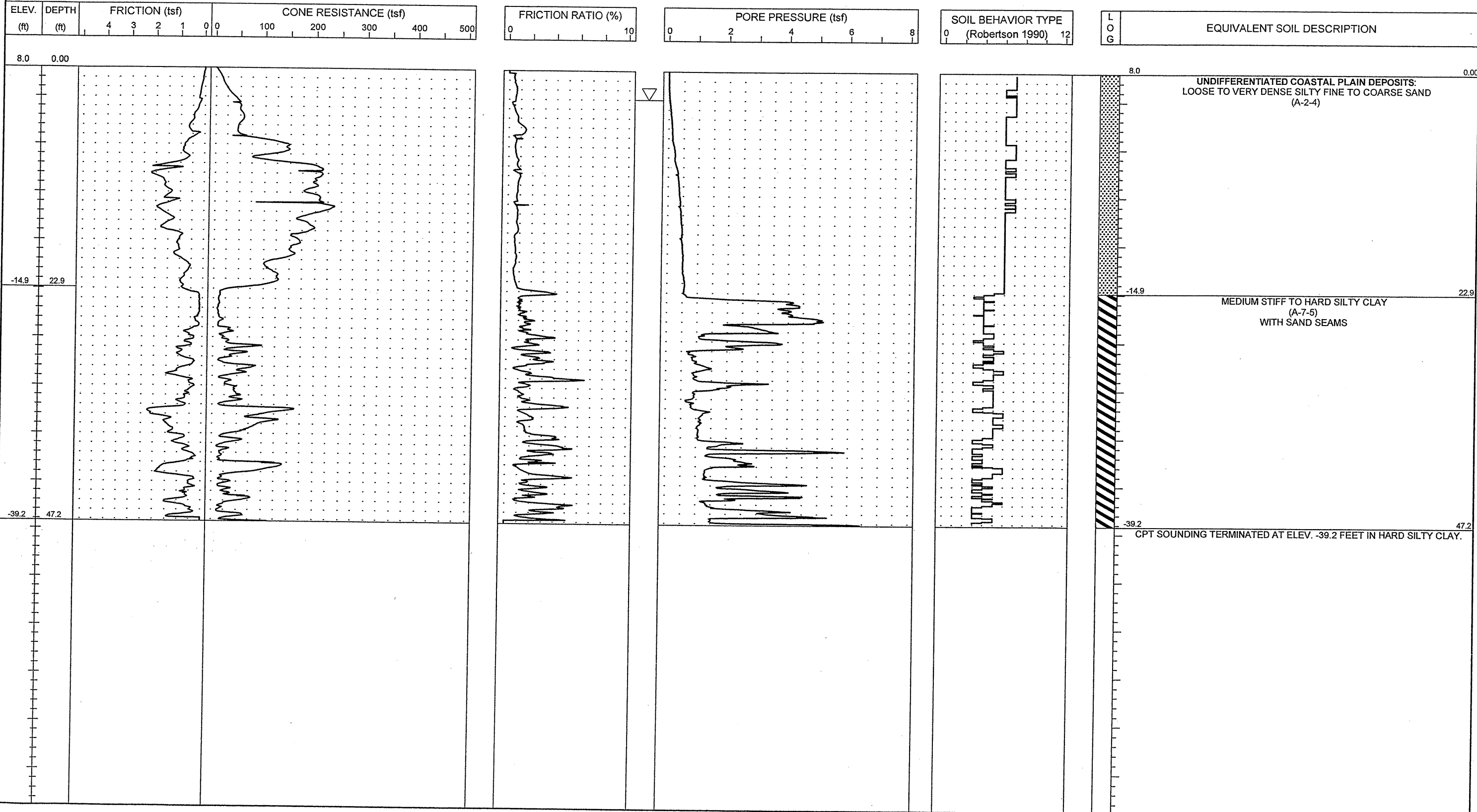


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 42.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-147	BORING LOCATION 393+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. N/M	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 7.0 ft	NORTHING 193,546.0	EASTING 2,307,730.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



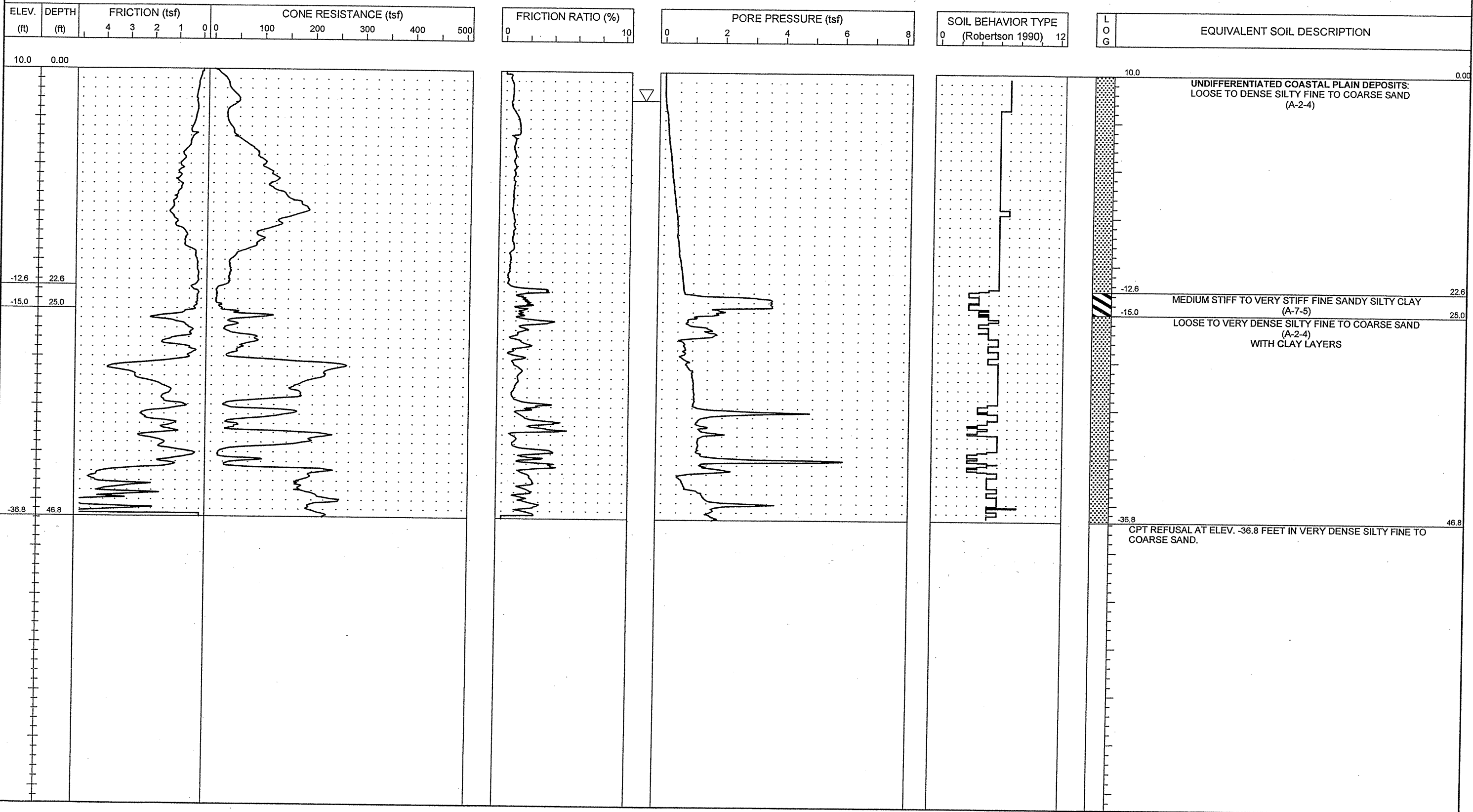


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 47.2 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-148	BORING LOCATION 395+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 8.0 ft	NORTHING 193,661.8	EASTING 2,307,893.4		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



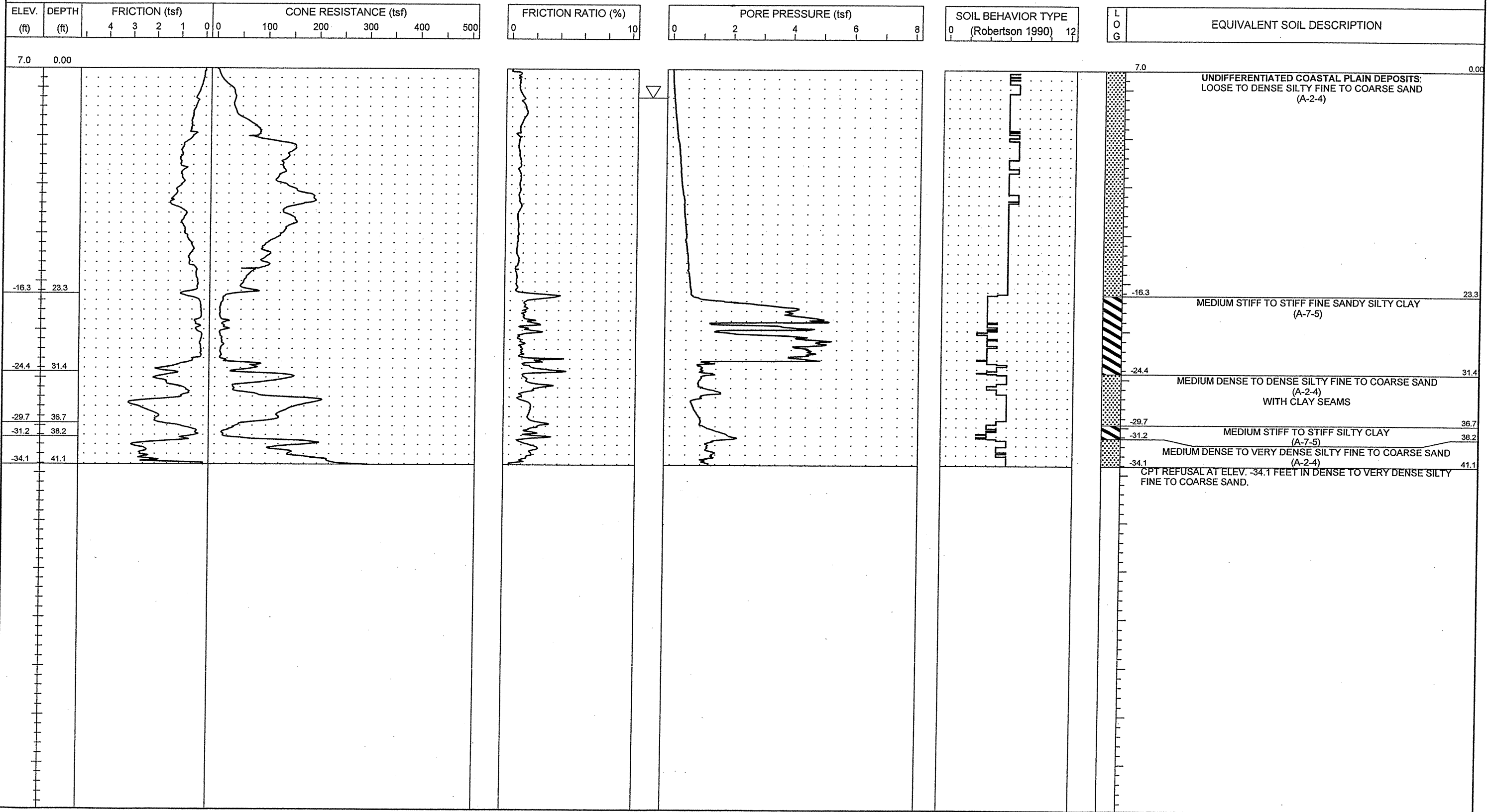
NCDOT CPT - ENGLISH NO NEG 51-411CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 46.8 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-150	BORING LOCATION 398+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 10.0 ft	NORTHING 193,842.4	EASTING 2,308,132.9		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		





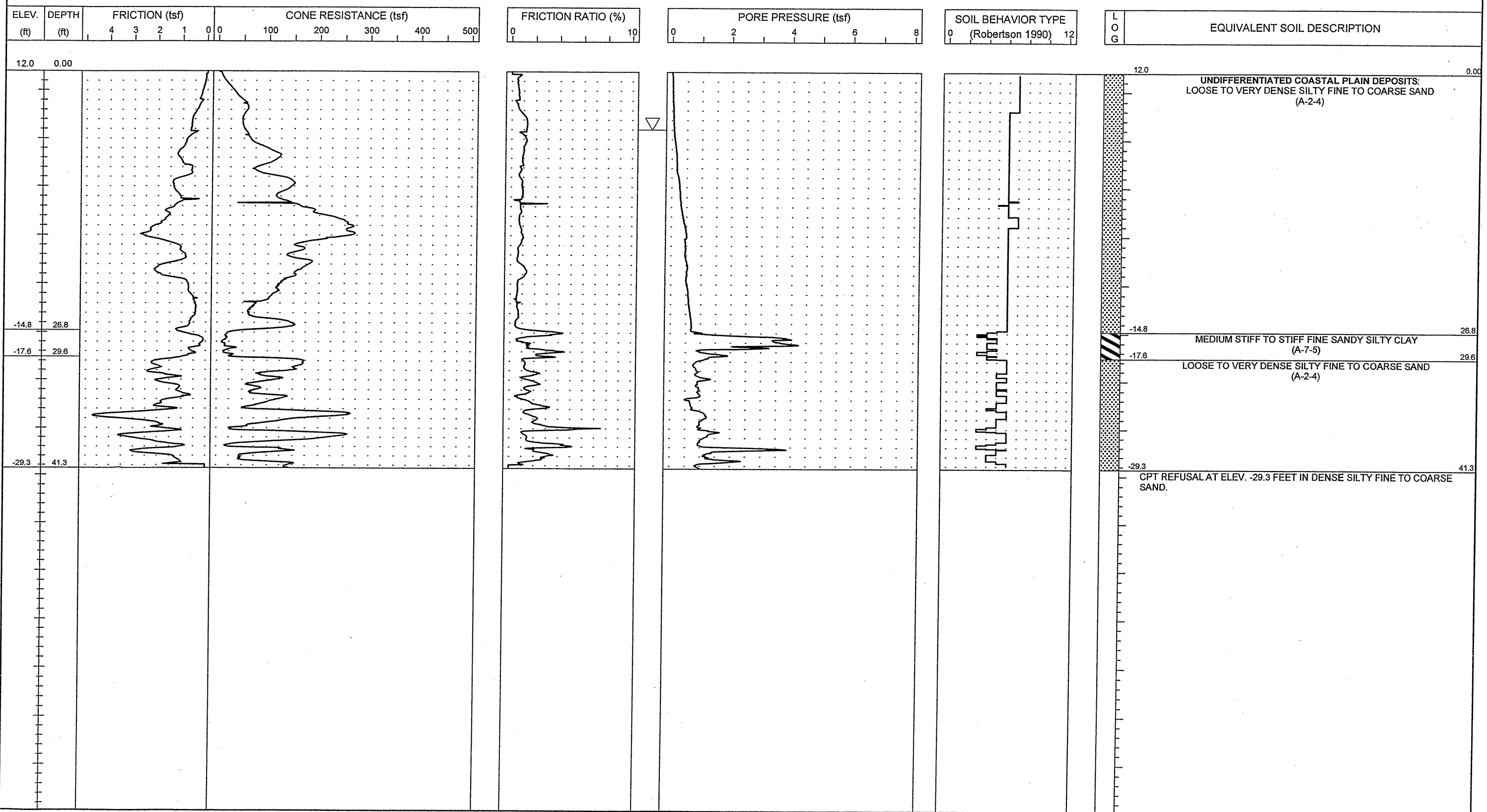
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 41.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-151	BORING LOCATION 400+68	OFFSET 2.0 ft LT	ALIGNMENT -L-	0 HR. 3.0	DATE STARTED 9/26/06	COMPLETED 9/26/06
COLLAR ELEV. 7.0 ft	NORTHING 194,012.0	EASTING 2,308,341.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06



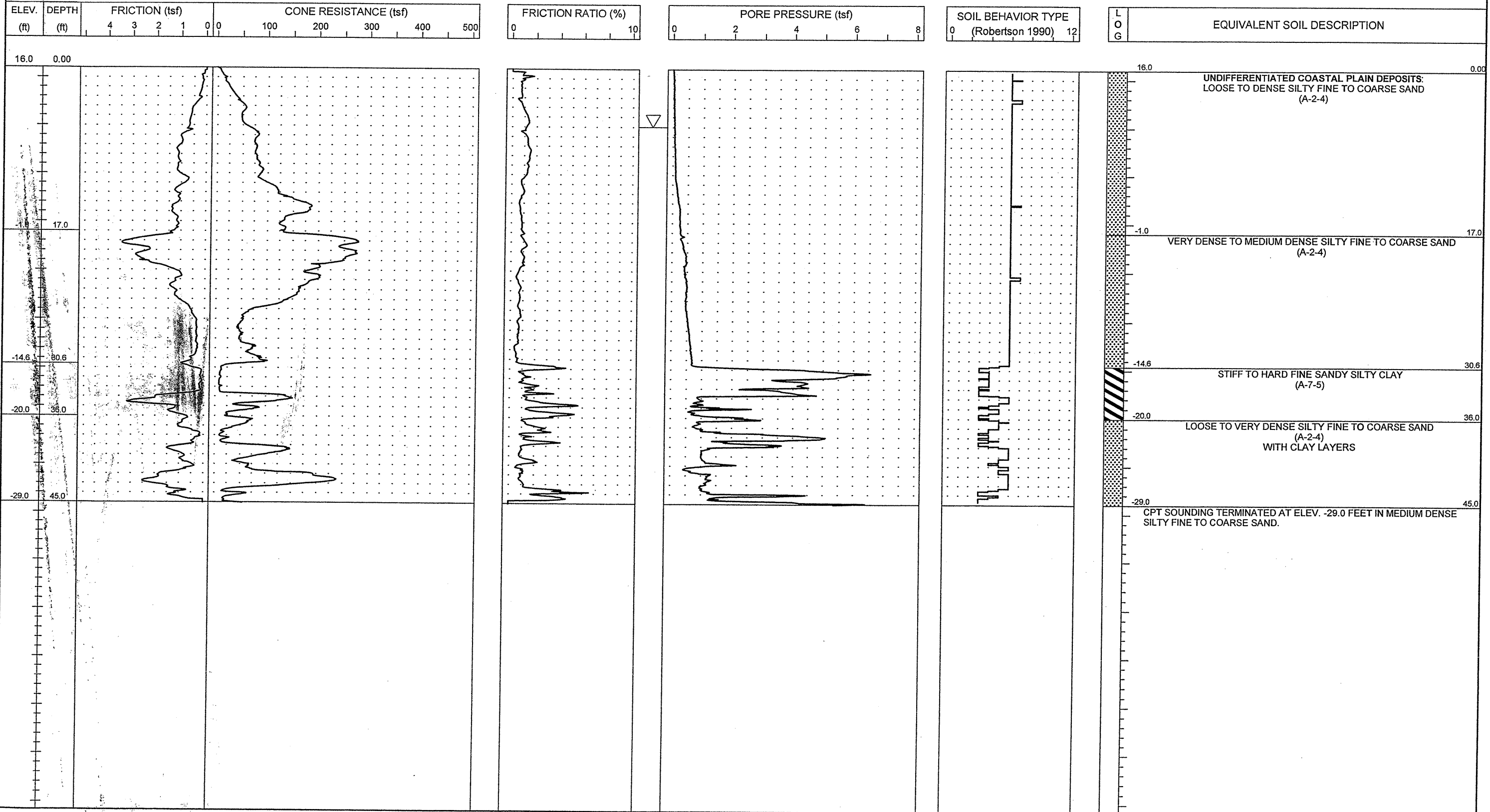
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 41.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-152	BORING LOCATION 402+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 6.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 12.0 ft	NORTHING 194,095.3	EASTING 2,308,442.8		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO. N60. 51-411CPT.GPJ NCDOT.GDT 11/8/08

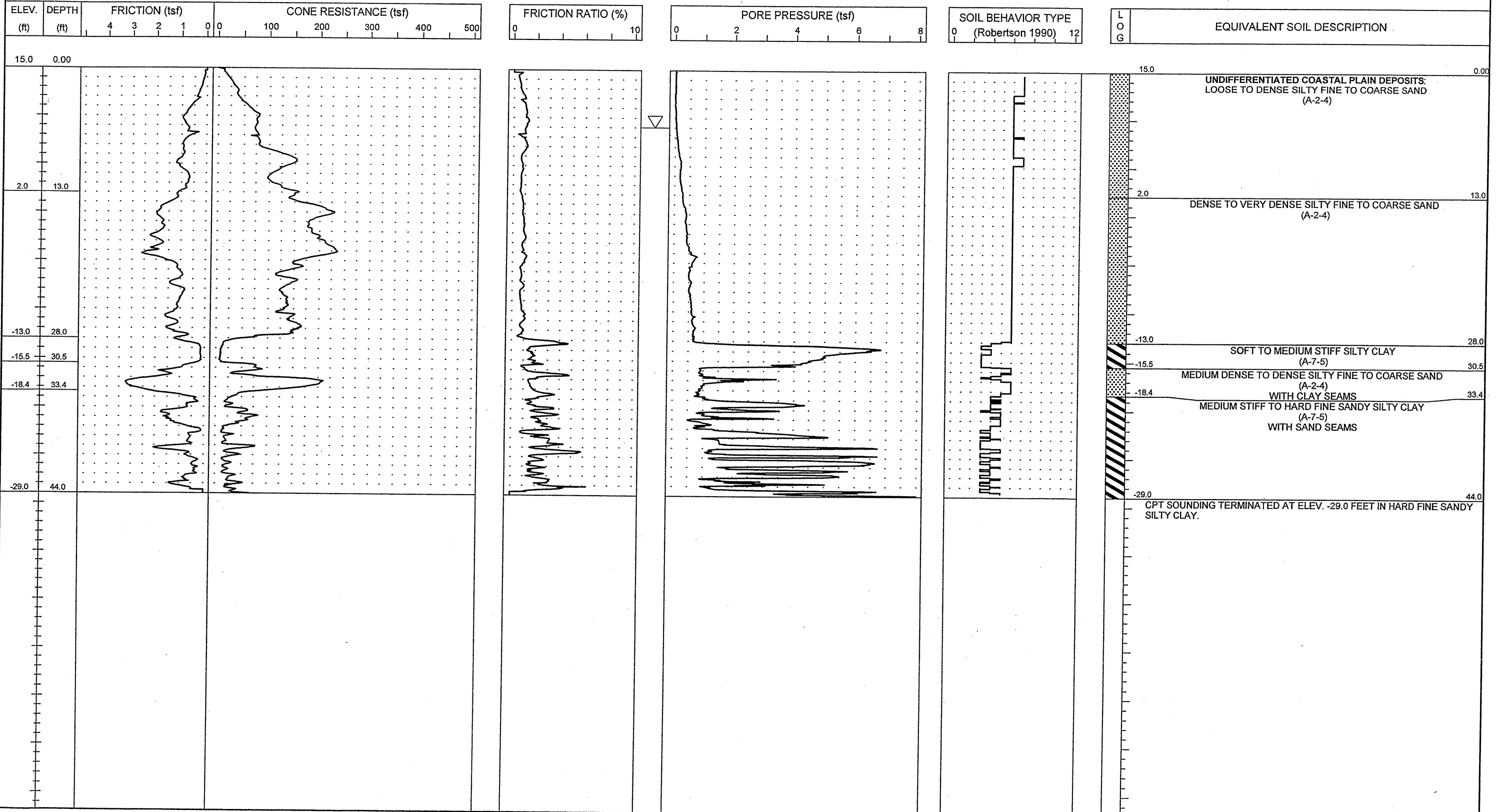


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 45.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-153	BORING LOCATION 404+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 6.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 16.0 ft	NORTHING 194,226.9	EASTING 2,308,593.4		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



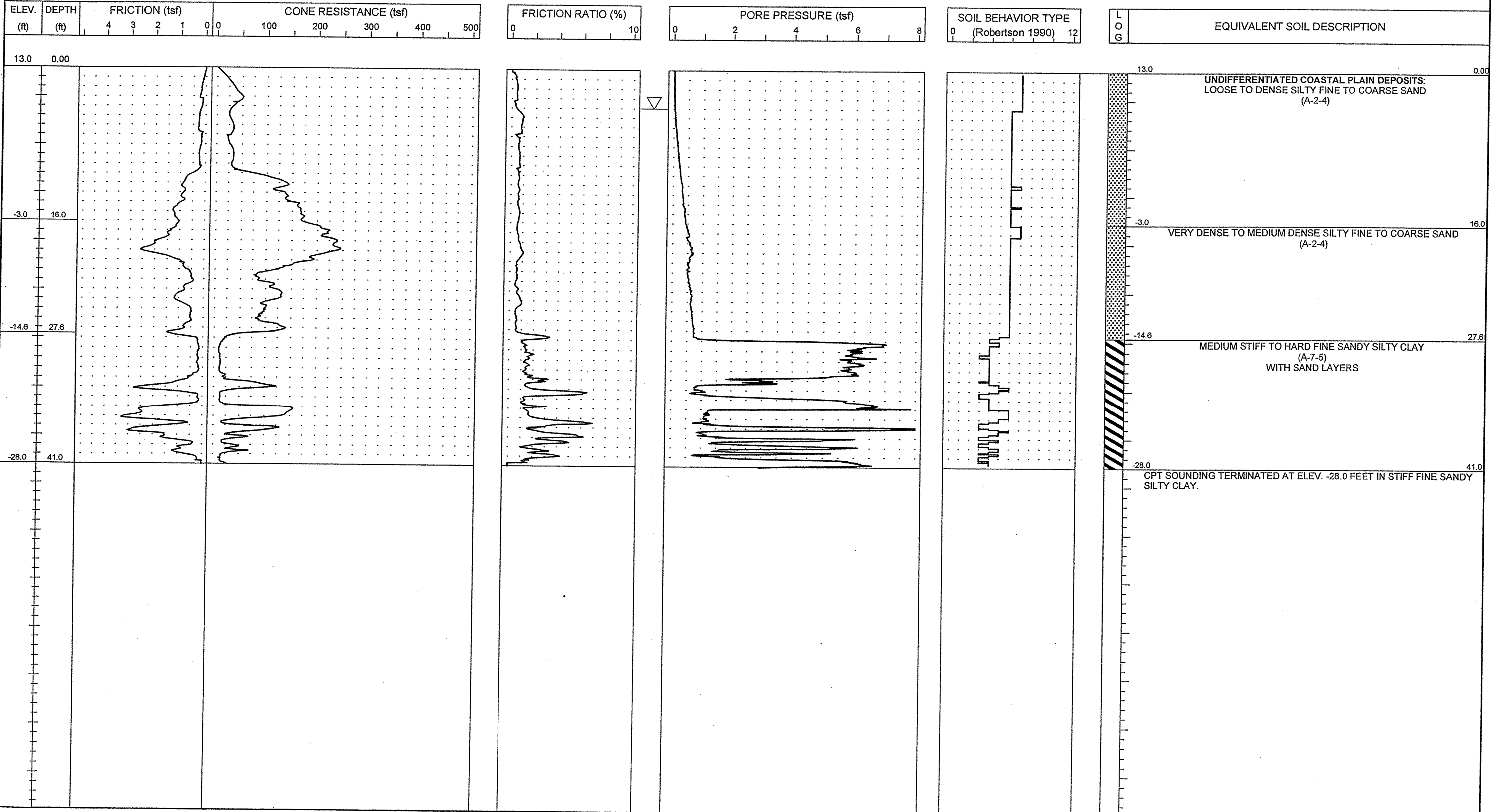
NCDOT CPT - ENGLISH NO. 51-411CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 44.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-154	BORING LOCATION 406+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 6.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 15.0 ft	NORTHING 194,361.7	EASTING 2,308,741.1		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		

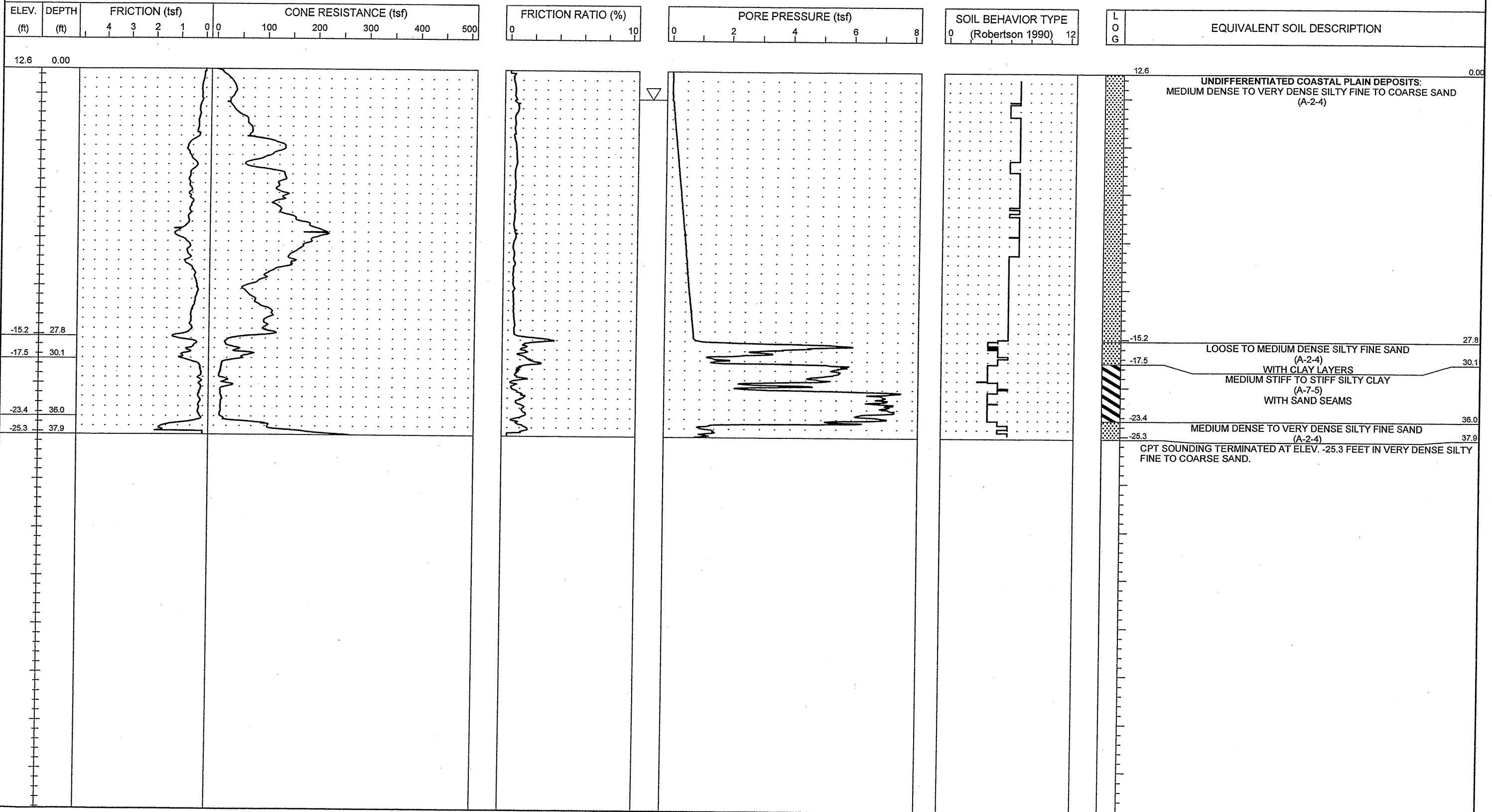




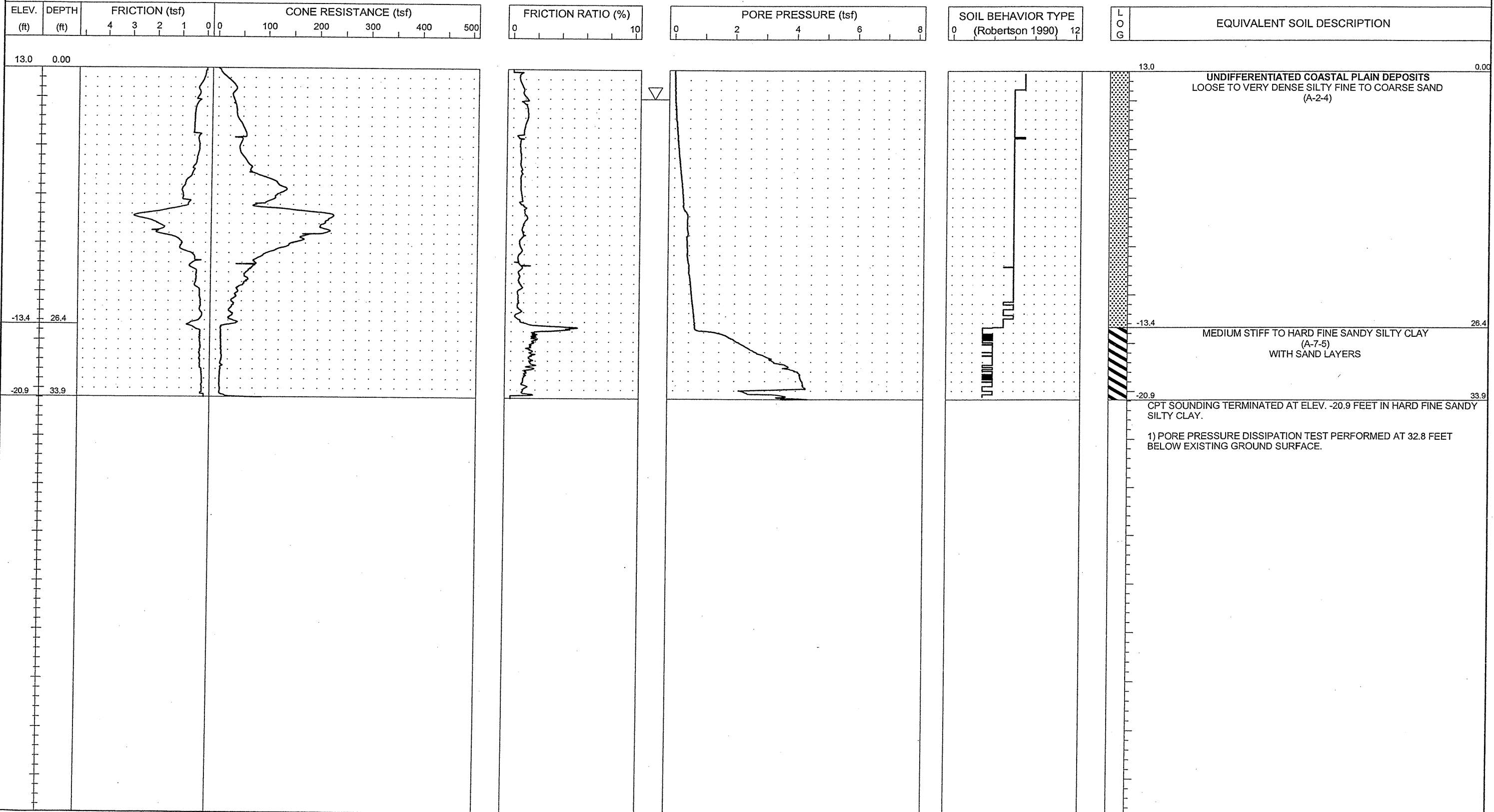
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 41.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-155	BORING LOCATION 408+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 4.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 13.0 ft	NORTHING 194,499.9	EASTING 2,308,885.7		24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN		



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 37.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-156	BORING LOCATION 410+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.0	DATE STARTED 9/26/06	COMPLETED 9/26/06
COLLAR ELEV. 12.6 ft	NORTHING 194,641.2	EASTING 2,309,027.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
HAMMER TYPE N/A						

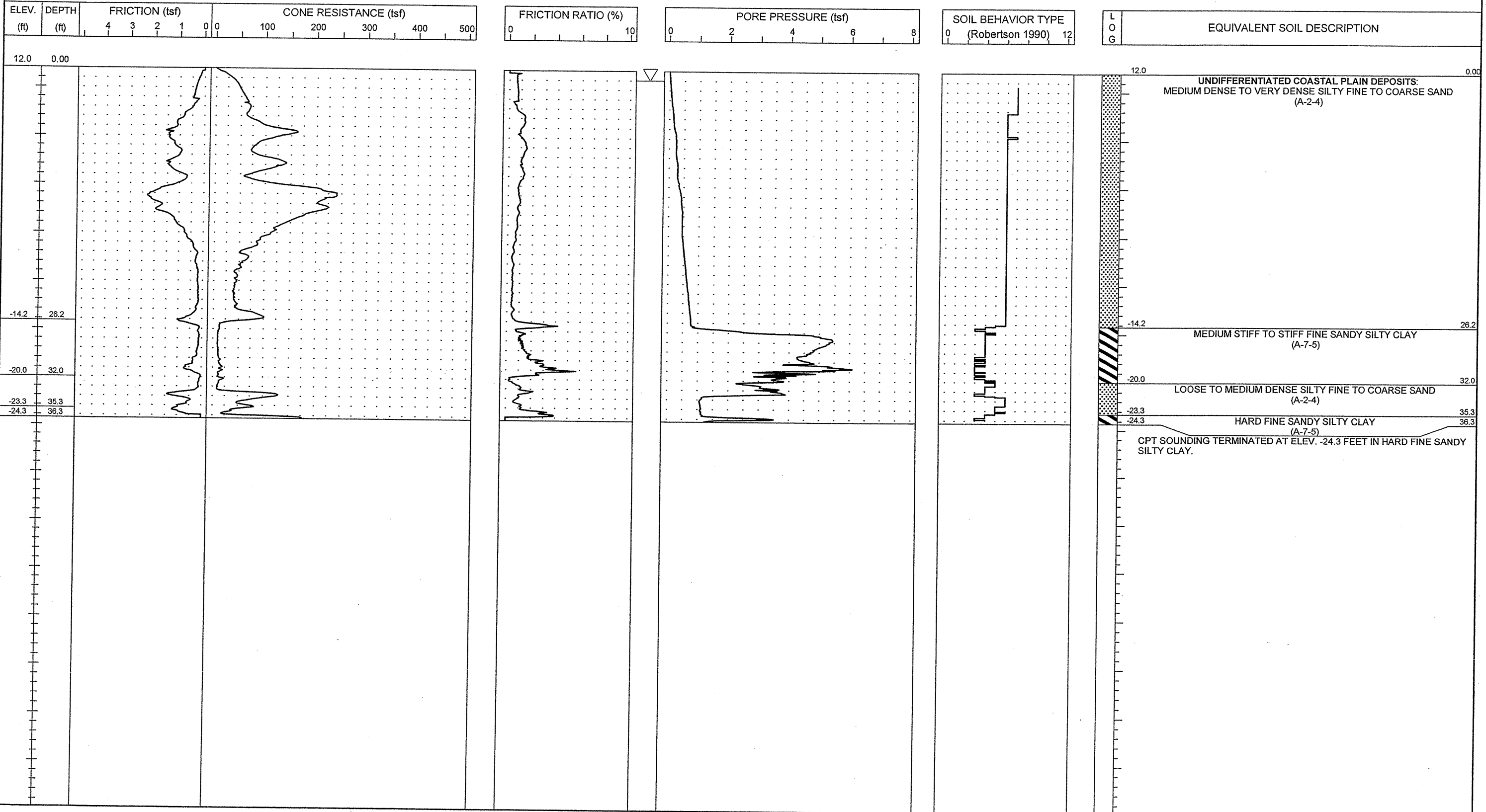


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 33.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-157	BORING LOCATION 412+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 3.0	DATE STARTED 9/26/06	COMPLETED 9/26/06
COLLAR ELEV. 13.0 ft	NORTHING 194,785.6	EASTING 2,309,165.6	24 HR. N/M	DRILLER: R. Schubert	TECHNICIAN K. Canuel	SURFACE WATER DEPTH N/A





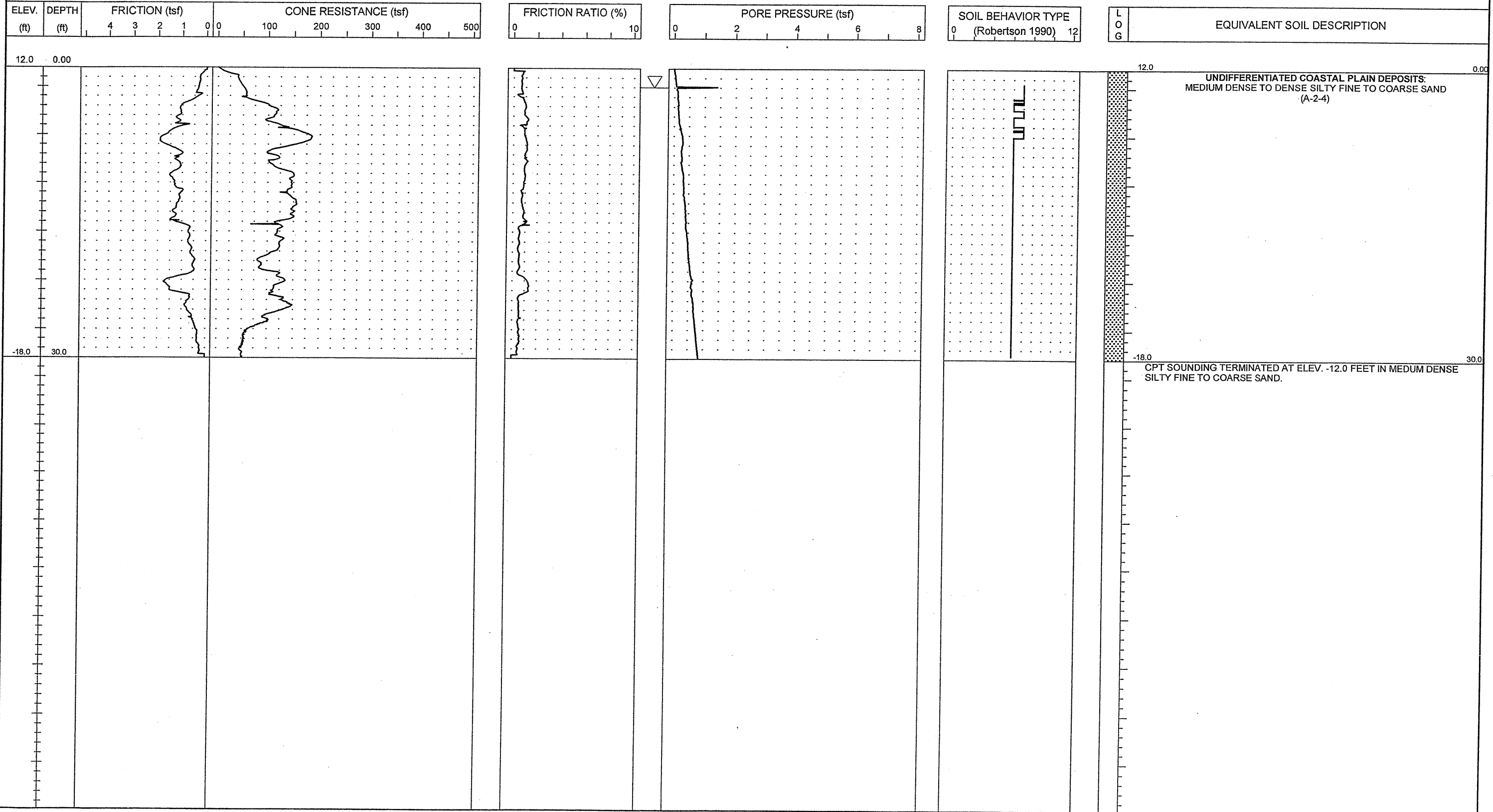
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 36.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-158	BORING LOCATION 414+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 1.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 12.0 ft	NORTHING 194,933.0	EASTING 2,309,300.7		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO. N60.51-411CPT.GPJ NCDOT.GDT 11/17/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 30.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-159	BORING LOCATION 415+21	OFFSET 7.0 ft RT	ALIGNMENT -L-	0 HR. 2.0	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 12.0 ft	NORTHING 195,019.3	EASTING 2,309,386.0		24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN		

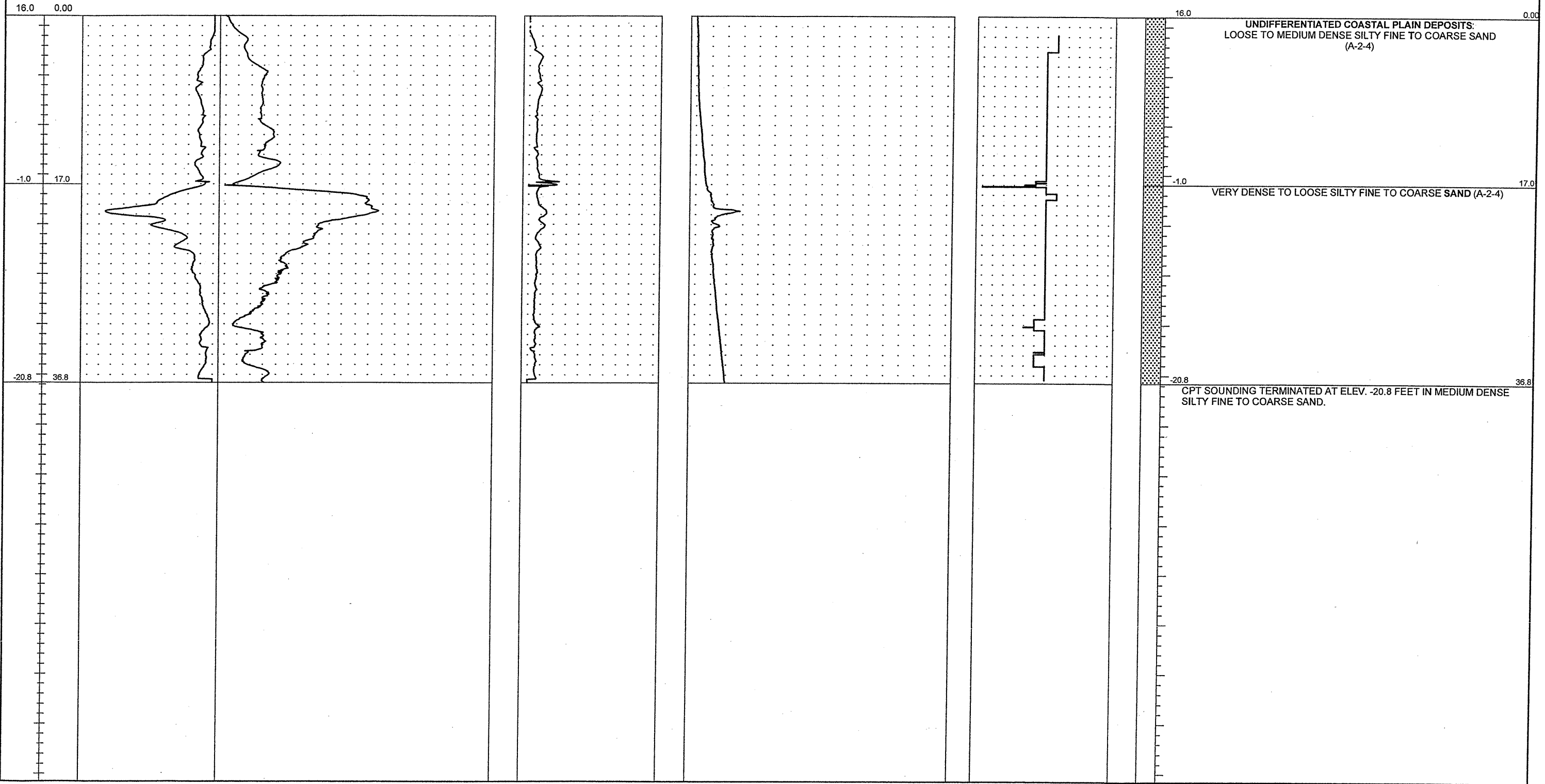


NCDOT_CPT - ENGLISH NO. N60_51-411CPT.GPJ NCDOT.GDT 1/22/07



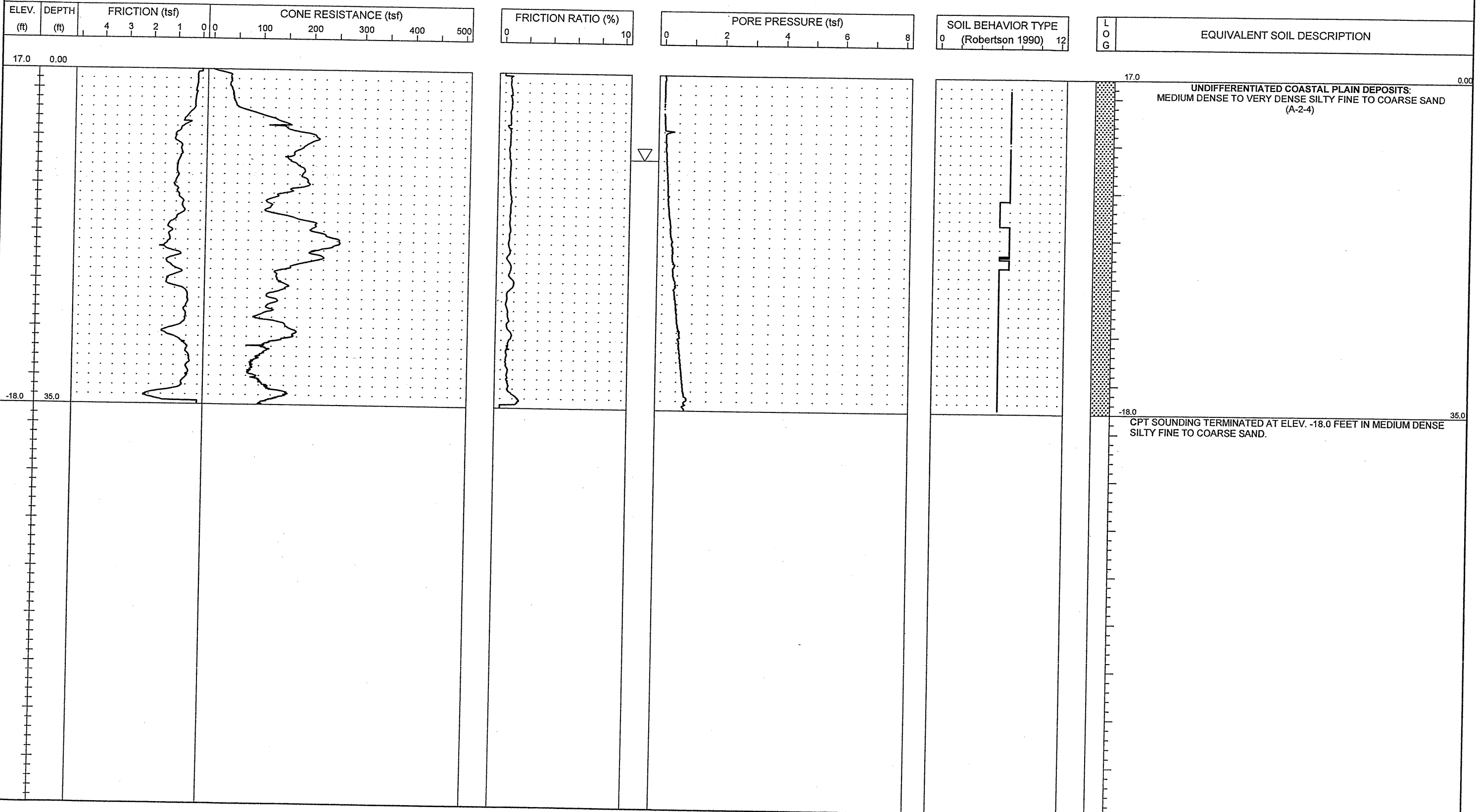
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 36.8 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-160	BORING LOCATION 418+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. N/M	DATE STARTED 9/26/06	COMPLETED 9/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 16.0 ft	NORTHING 195,236.8	EASTING 2,309,560.9		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		

ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
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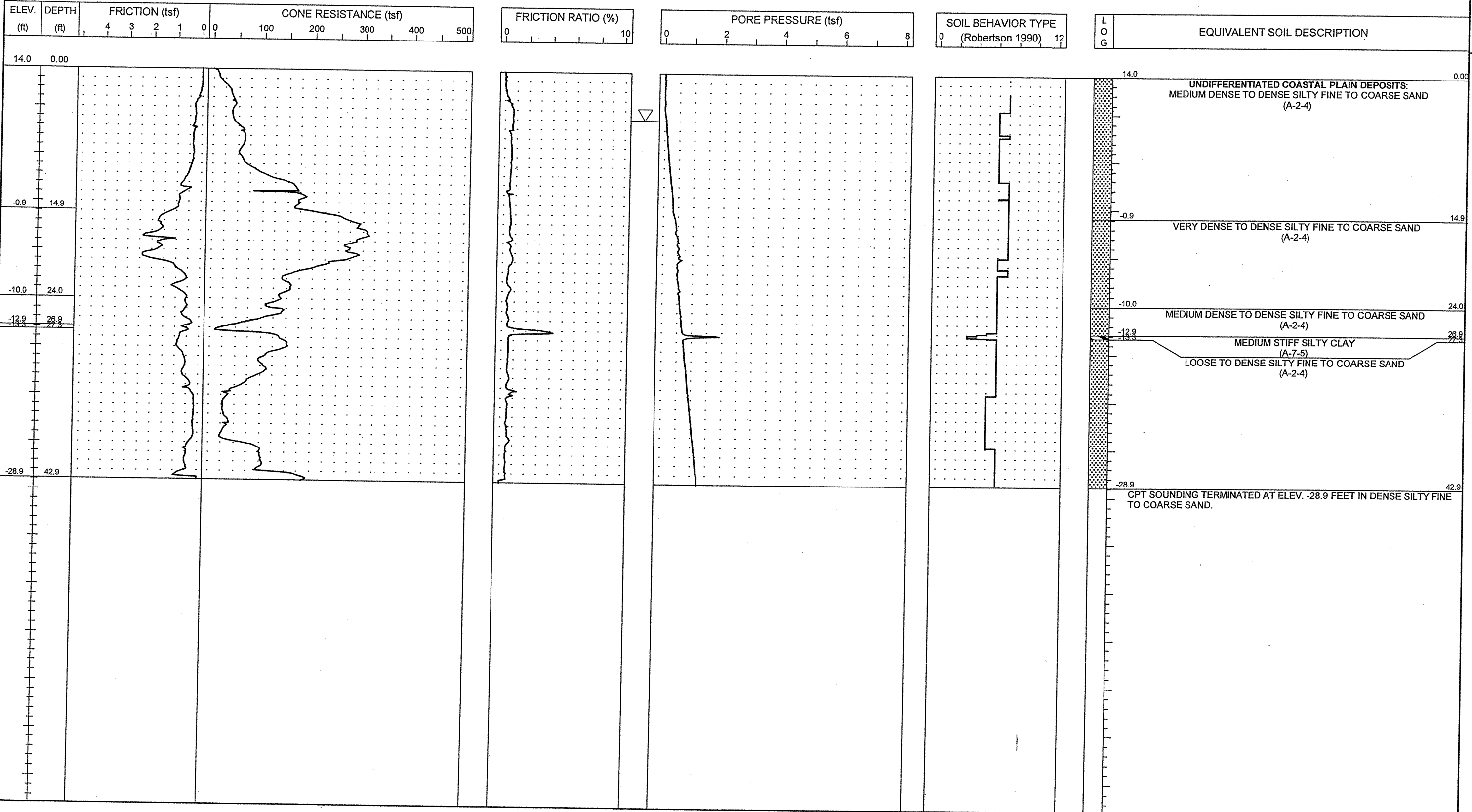


NCDOT CPT - ENGLISH NO. N60 51-411 CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 35.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-161	BORING LOCATION 420+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 9.0	DATE STARTED 9/26/06	COMPLETED 9/26/06
COLLAR ELEV. 17.0 ft	NORTHING 195,392.9	EASTING 2,309,685.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		



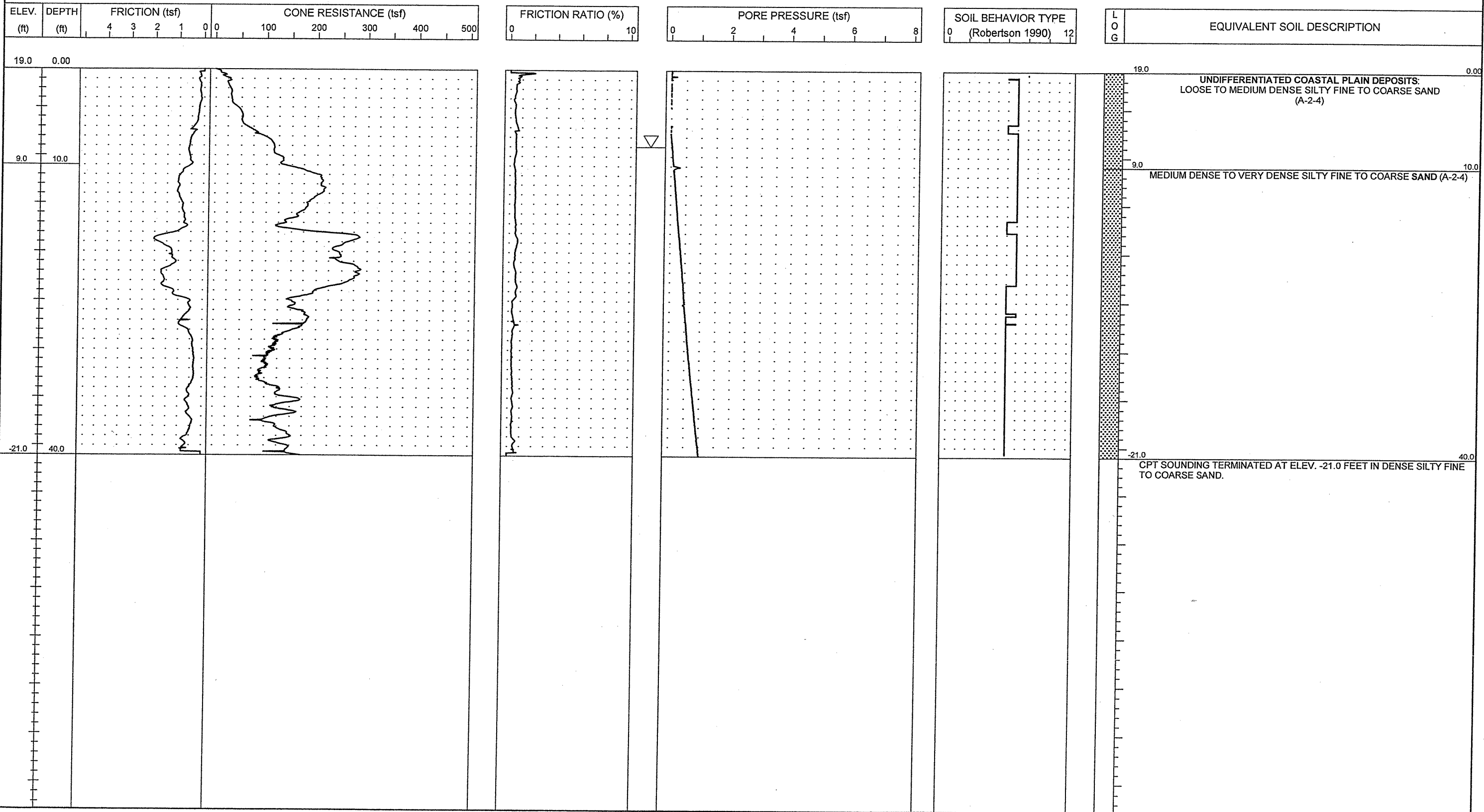
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 42.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-162	BORING LOCATION 422+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 9/25/06	COMPLETED 9/25/06
COLLAR ELEV. 14.0 ft	NORTHING 195,551.7	EASTING 2,309,807.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06

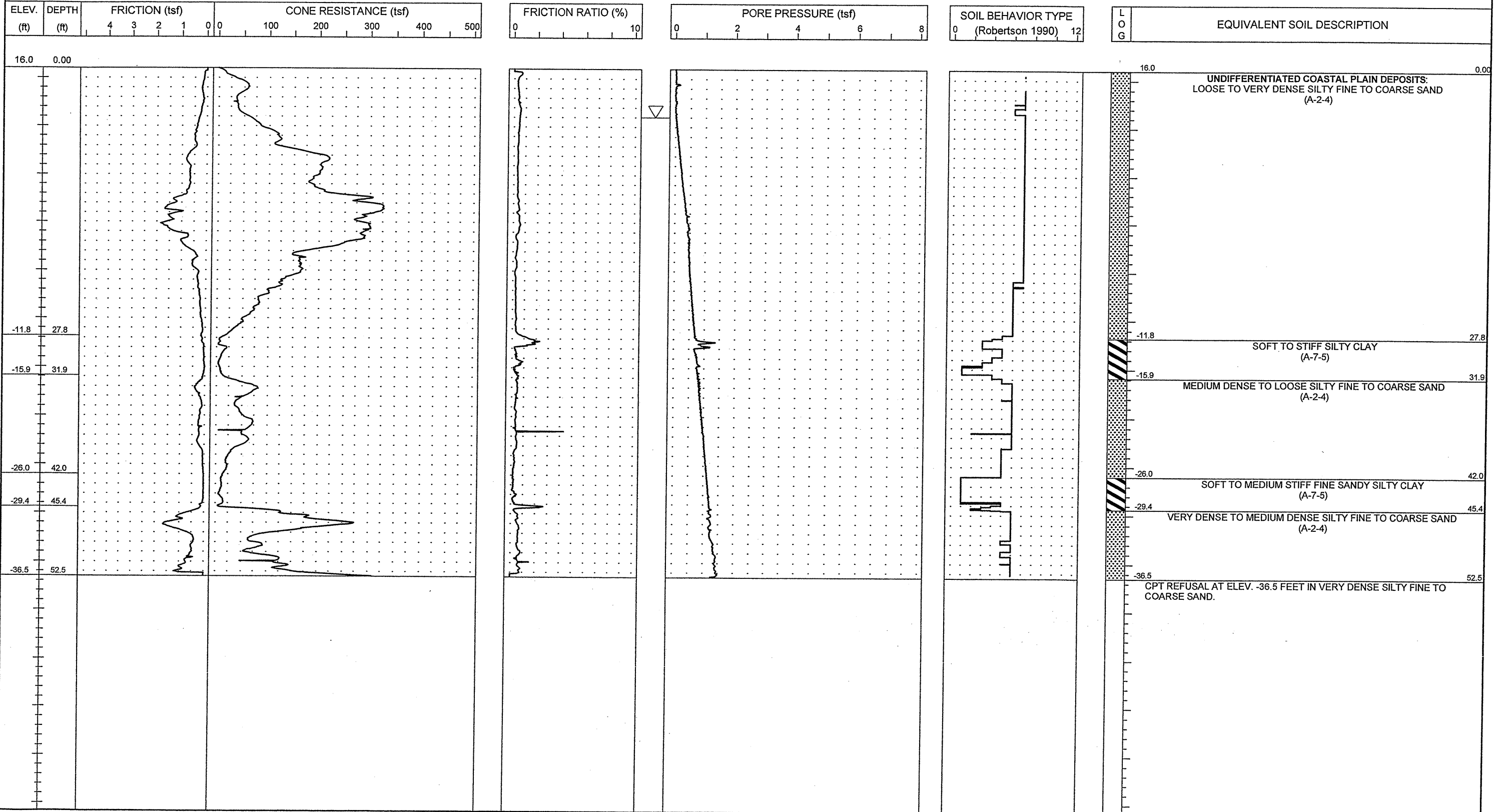


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 40.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-163	BORING LOCATION 423+81	OFFSET 10.0 ft RT	ALIGNMENT -L-	0 HR. 8.0	DATE STARTED 9/25/06	COMPLETED 9/25/06
COLLAR ELEV. 19.0 ft	NORTHING 195,690.6	EASTING 2,309,924.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 52.5 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-164	BORING LOCATION 426+76	OFFSET 6.0 ft LT	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 9/27/06	COMPLETED 9/27/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 16.0 ft	NORTHING 195,935.2	EASTING 2,310,089.6		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		

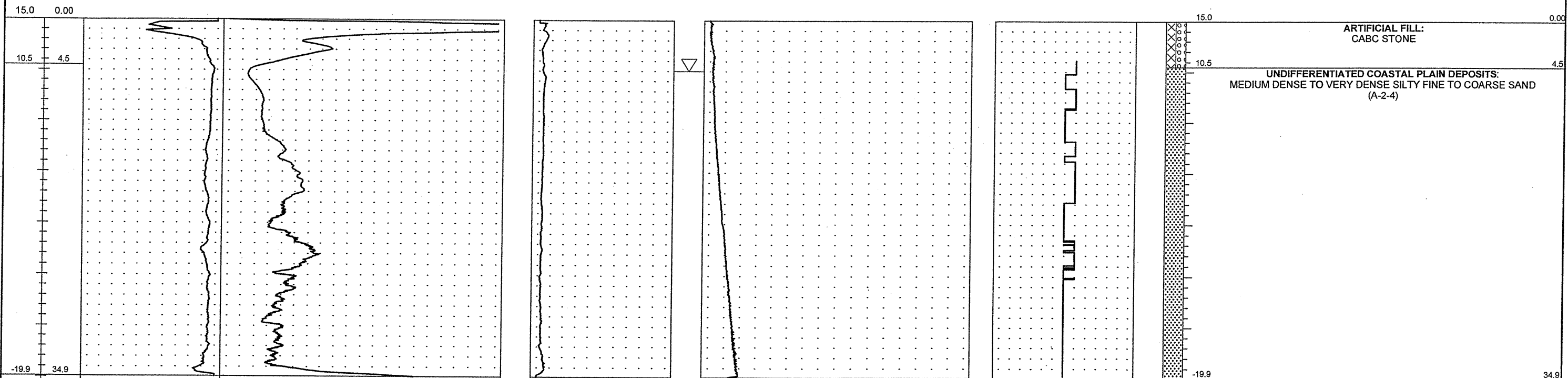


NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 34.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-165	BORING LOCATION 428+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 15.0 ft	NORTHING 196,030.9	EASTING 2,310,168.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		



15.0 0.00

10.5 4.5

ARTIFICIAL FILL:
CABC STONE

UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:
MEDIUM DENSE TO VERY DENSE SILTY FINE TO COARSE SAND
(A-2-4)

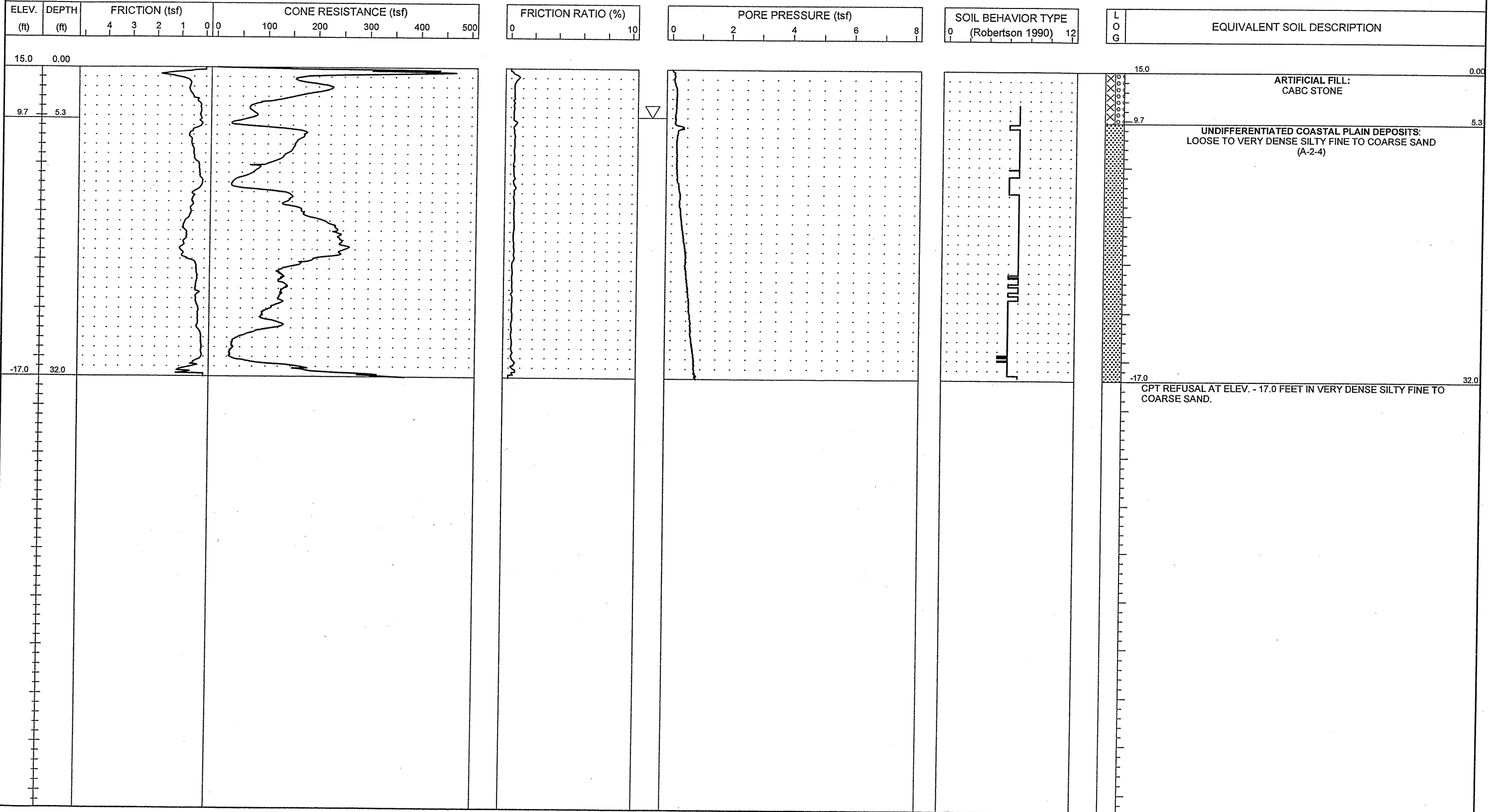
-19.9 34.9

CPT REFUSAL AT ELEV. -19.9 FEET IN VERY DENSE SILTY FINE TO COARSE SAND.

NCDOT CPT - ENGLISH NO N80 51-411CPT.GPJ NCDOT.GDT 11/9/06

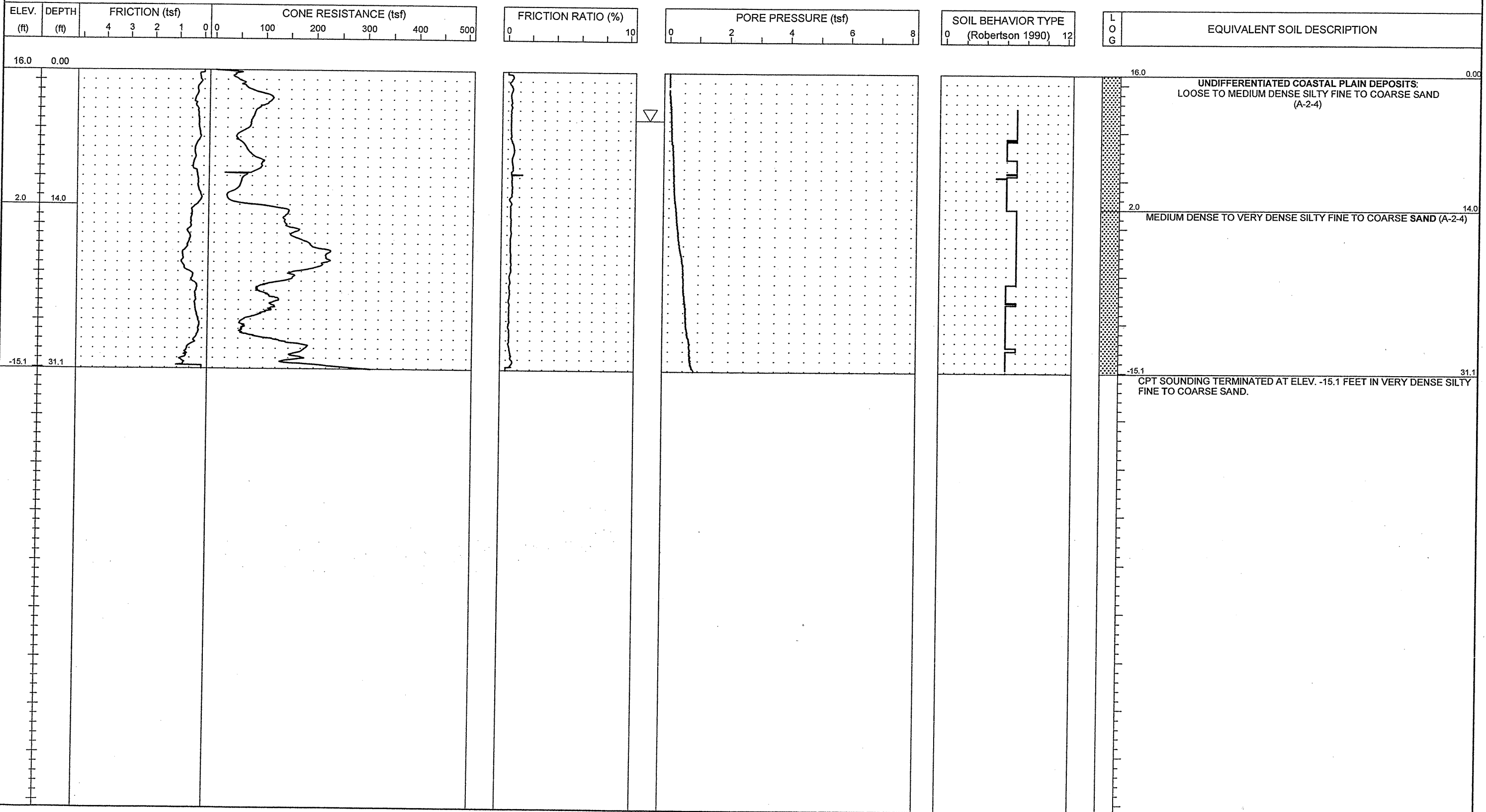


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 32.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-166	BORING LOCATION 430+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 15.0 ft	NORTHING 196,190.6	EASTING 2,310,289.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





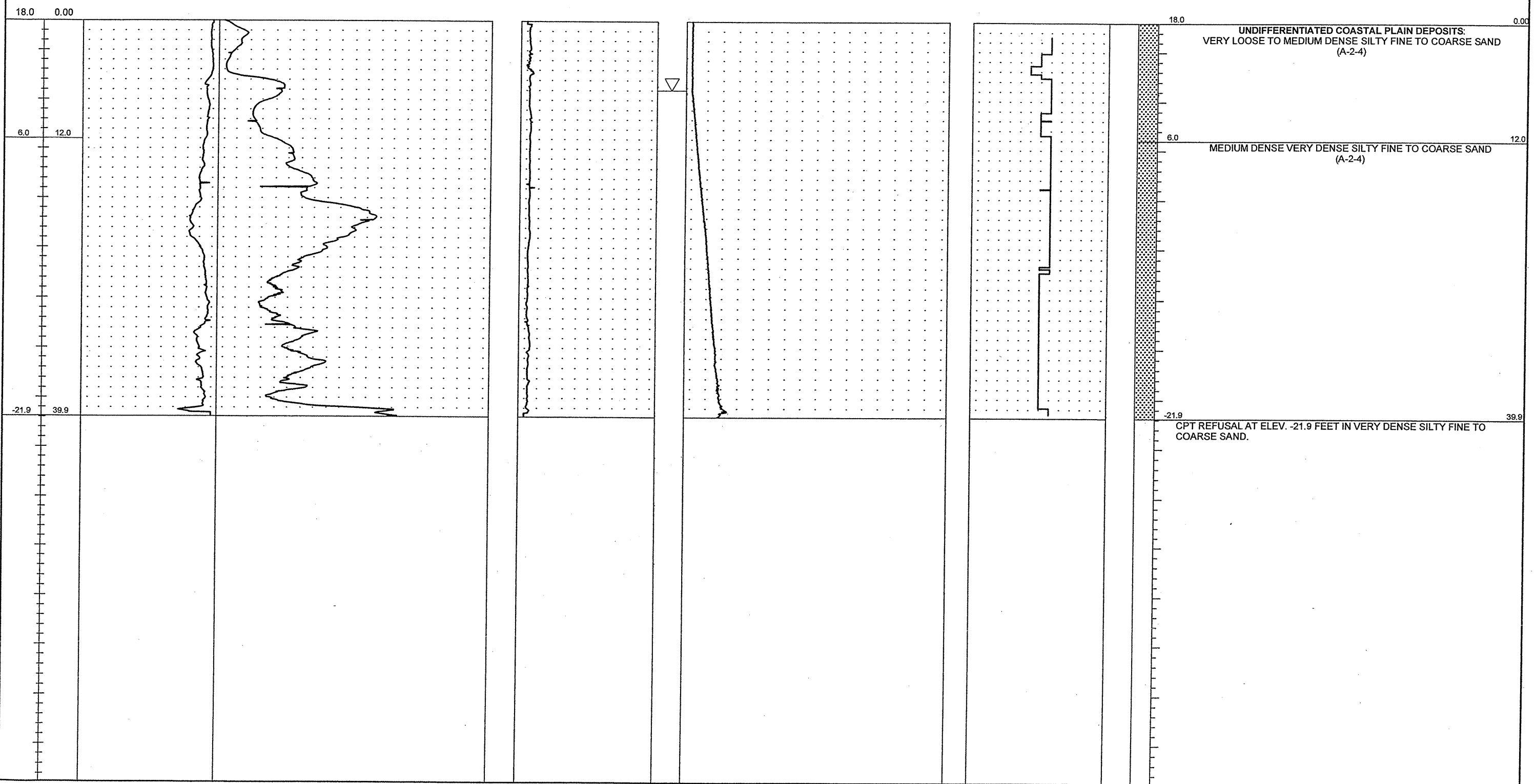
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 31.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-167	BORING LOCATION 431+50	OFFSET 8.0 ft LT	ALIGNMENT -L-	0 HR. 5.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 16.0 ft	NORTHING 196,315.5	EASTING 2,310,373.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





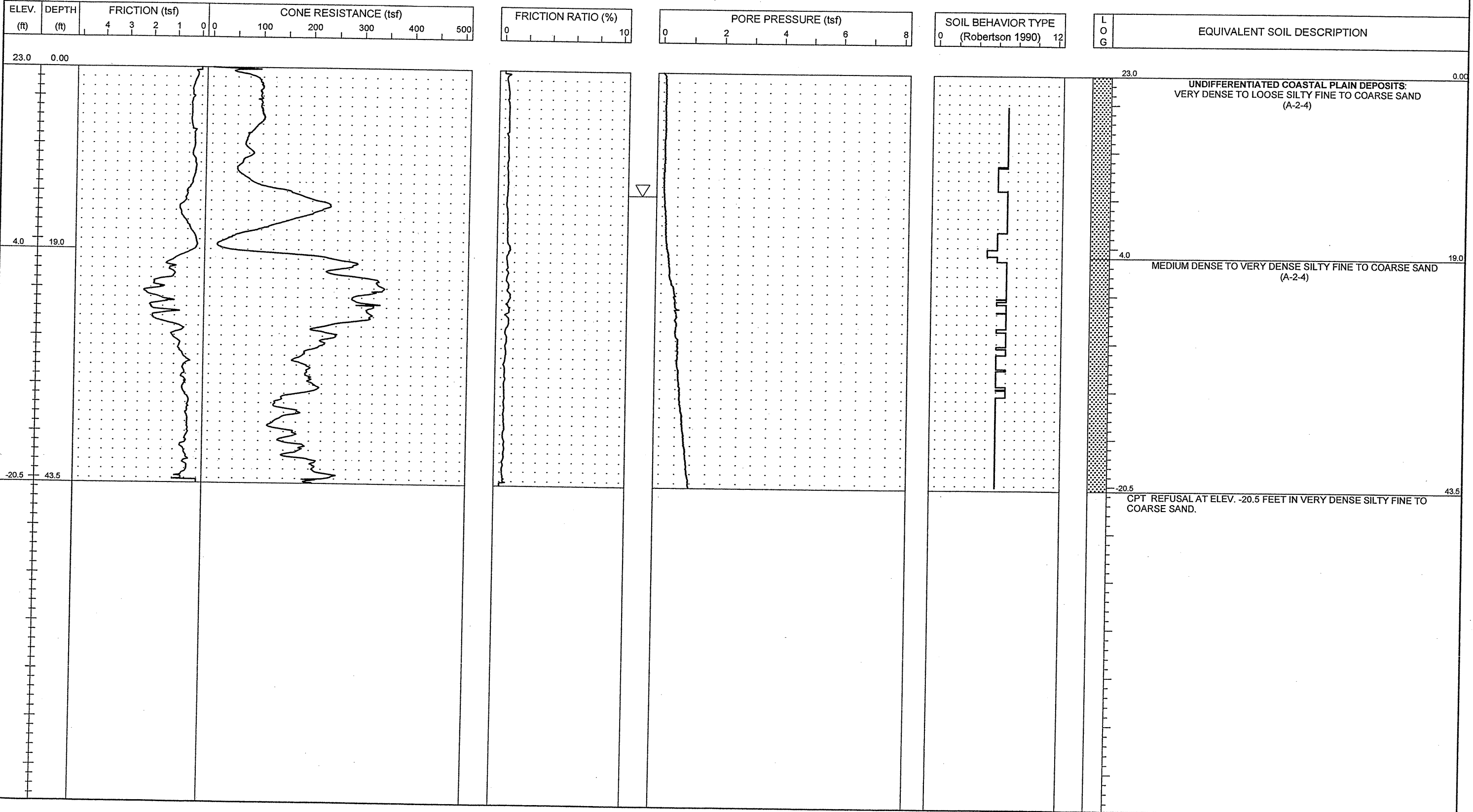
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 39.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-169	BORING LOCATION 436+00	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 7.0	DATE STARTED 9/27/06	COMPLETED 9/27/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 18.0 ft	NORTHING 196,669.7	EASTING 2,310,650.1		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		



NCDOT CPT - ENGLISH NO. N60_51-411CPT.GPJ NCDOT.GDT 11/8/06

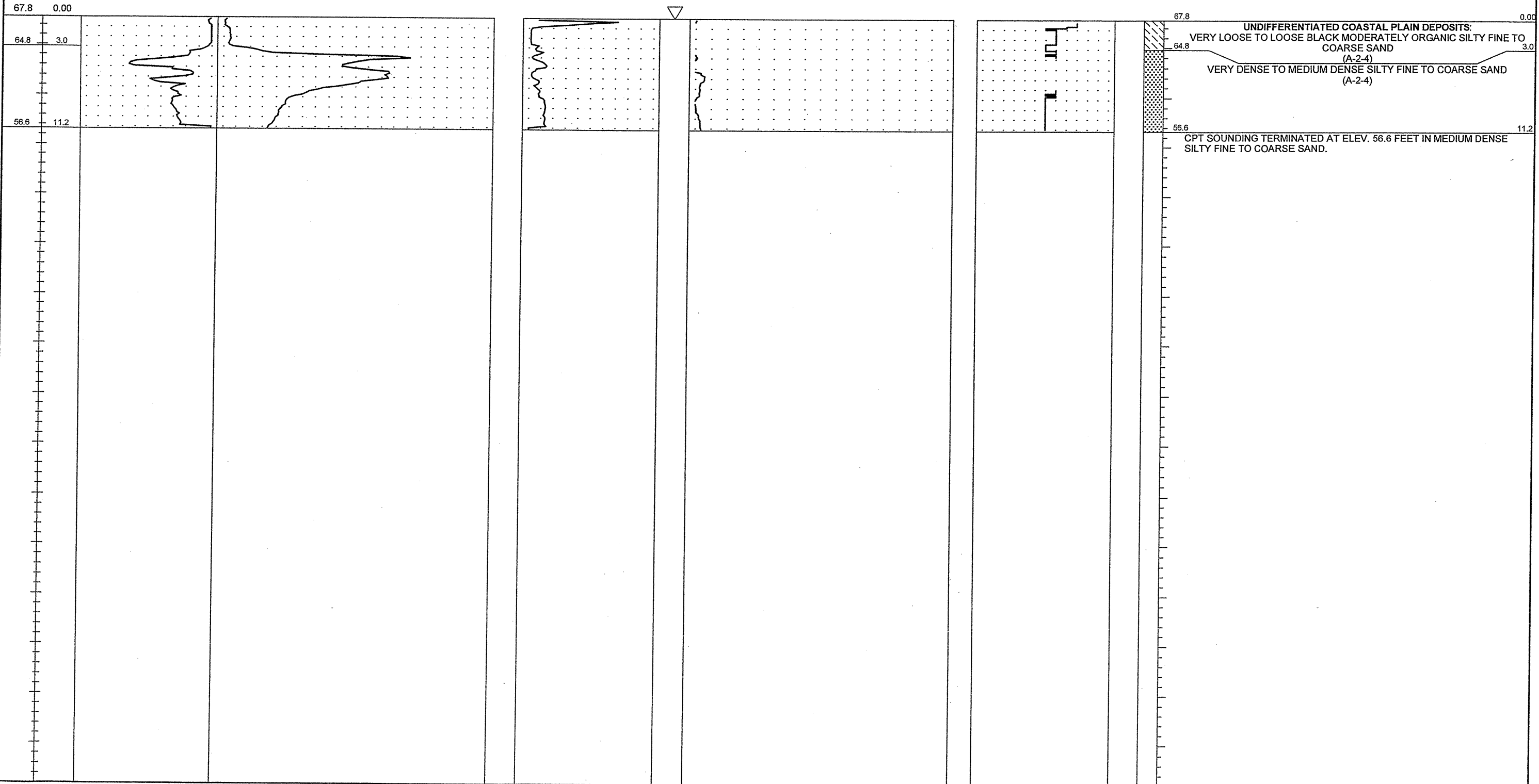
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 43.5 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-171	BORING LOCATION 439+50	OFFSET 0.0 ft CL	ALIGNMENT -L-	0 HR. 13.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 23.0 ft	NORTHING 196,949.2	EASTING 2,310,860.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





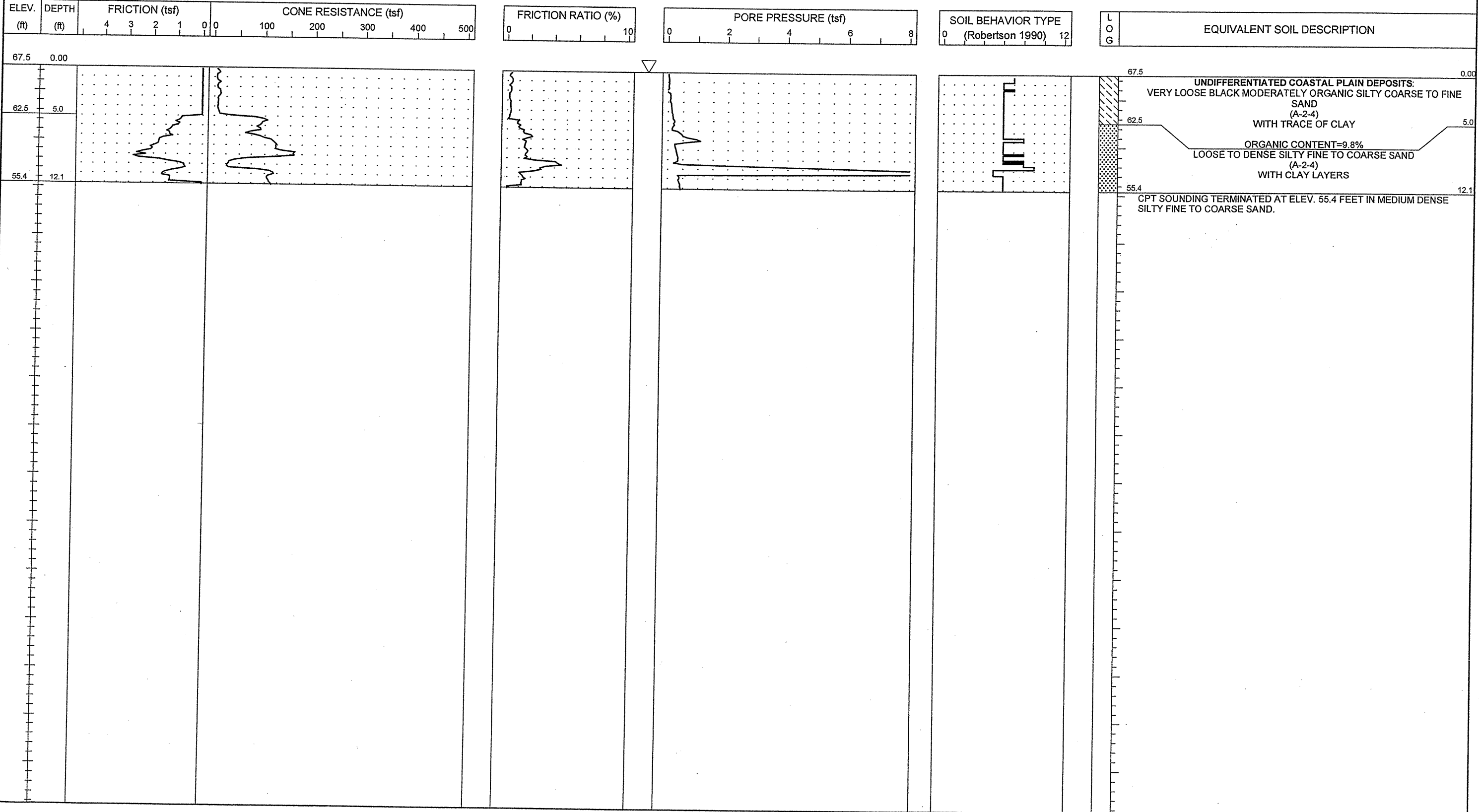
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 11.2 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-174	BORING LOCATION 10+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. 0.0	DATE STARTED 10/22/06	COMPLETED 10/22/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 67.8 ft	NORTHING 188,449.8	EASTING 2,278,212.9		24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN		

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
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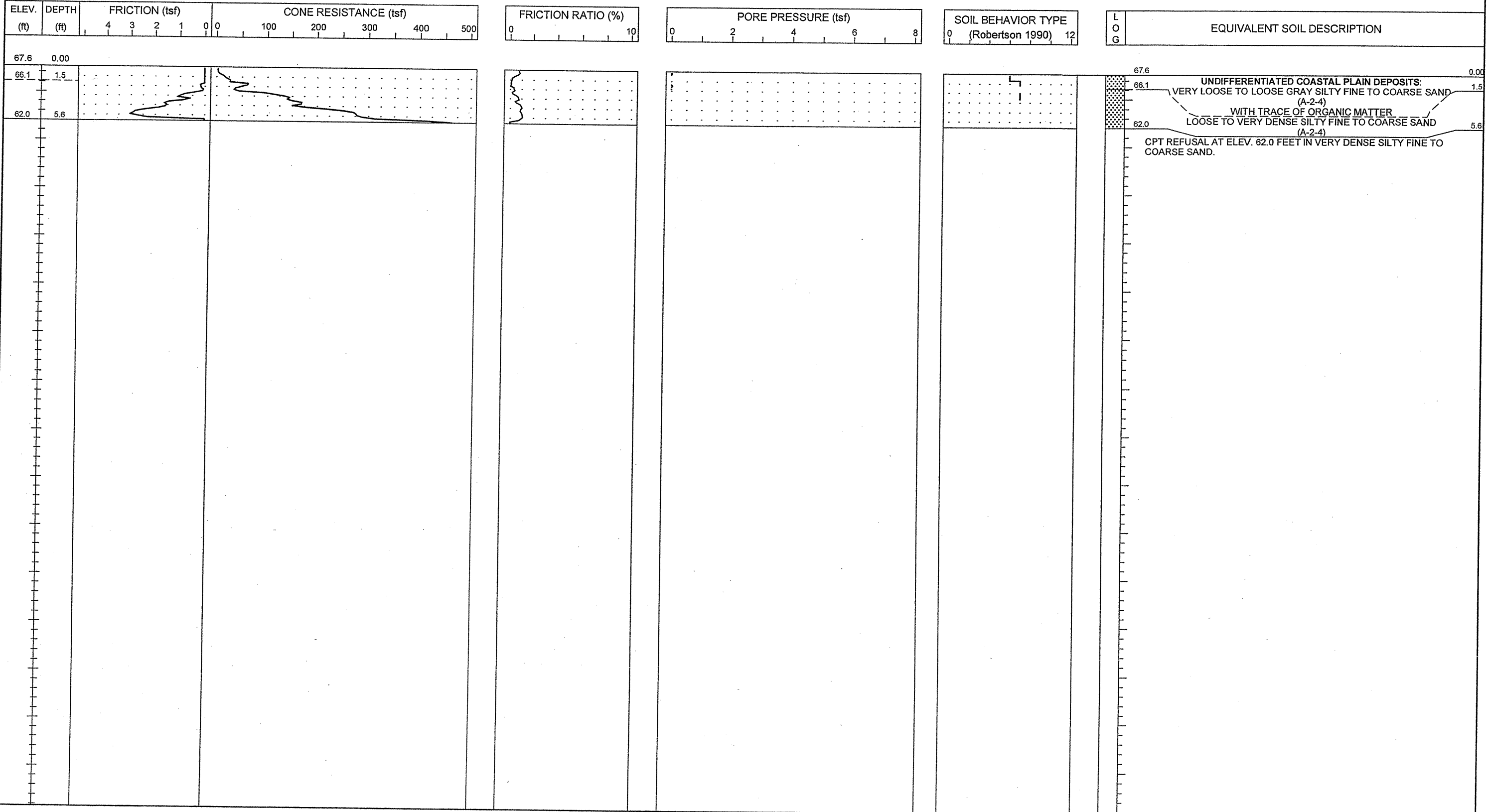


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-175	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. 0.0	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 67.5 ft	NORTHING 188,253.3	EASTING 2,278,180.6	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 1/16/07

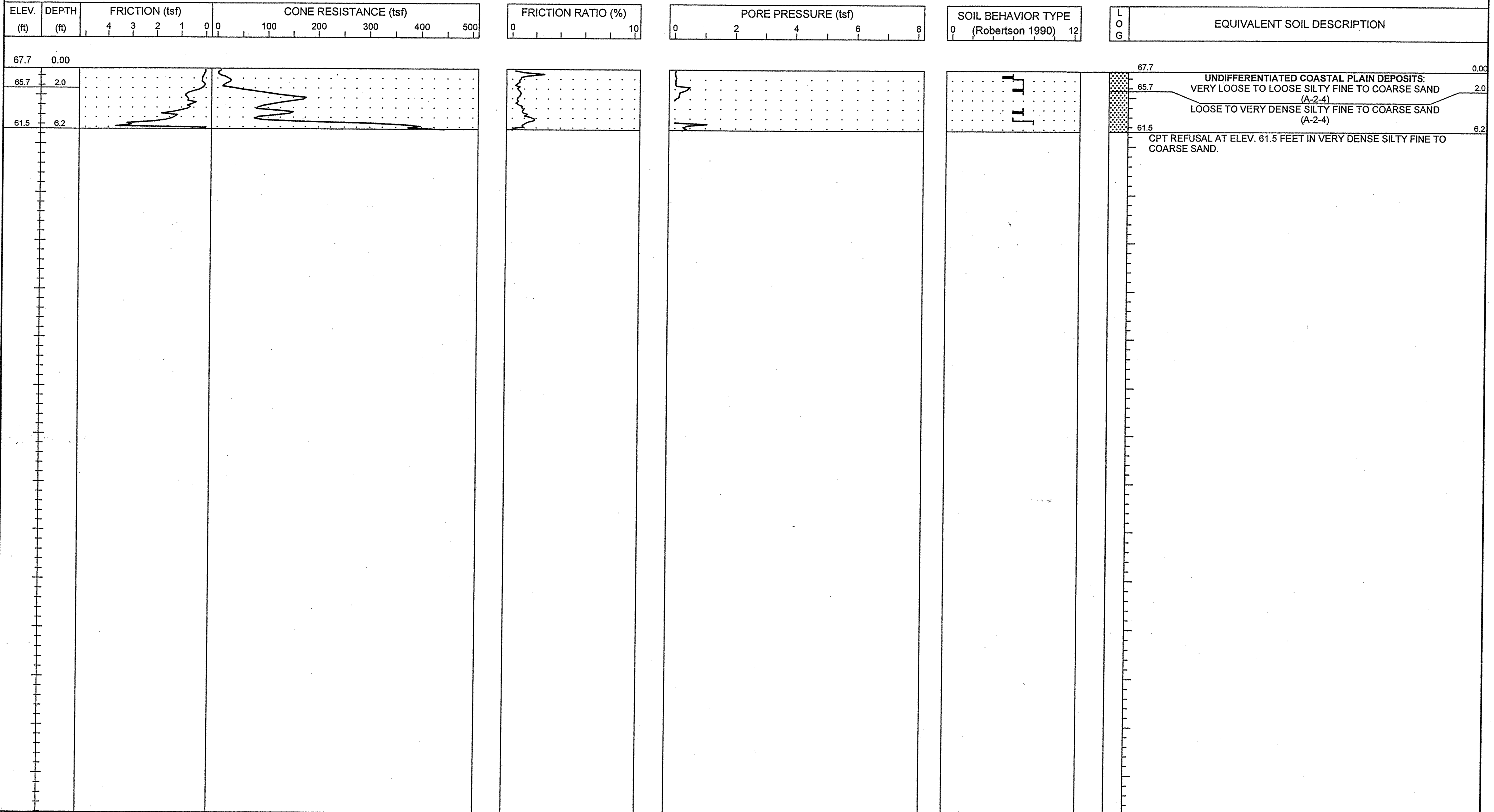
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 5.6 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-177	BORING LOCATION 16+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. N/M	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 67.6 ft	NORTHING 187,854.9	EASTING 2,278,185.8	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60_51-411_GREGGS.GPJ NCDOT.GDT 1/22/07

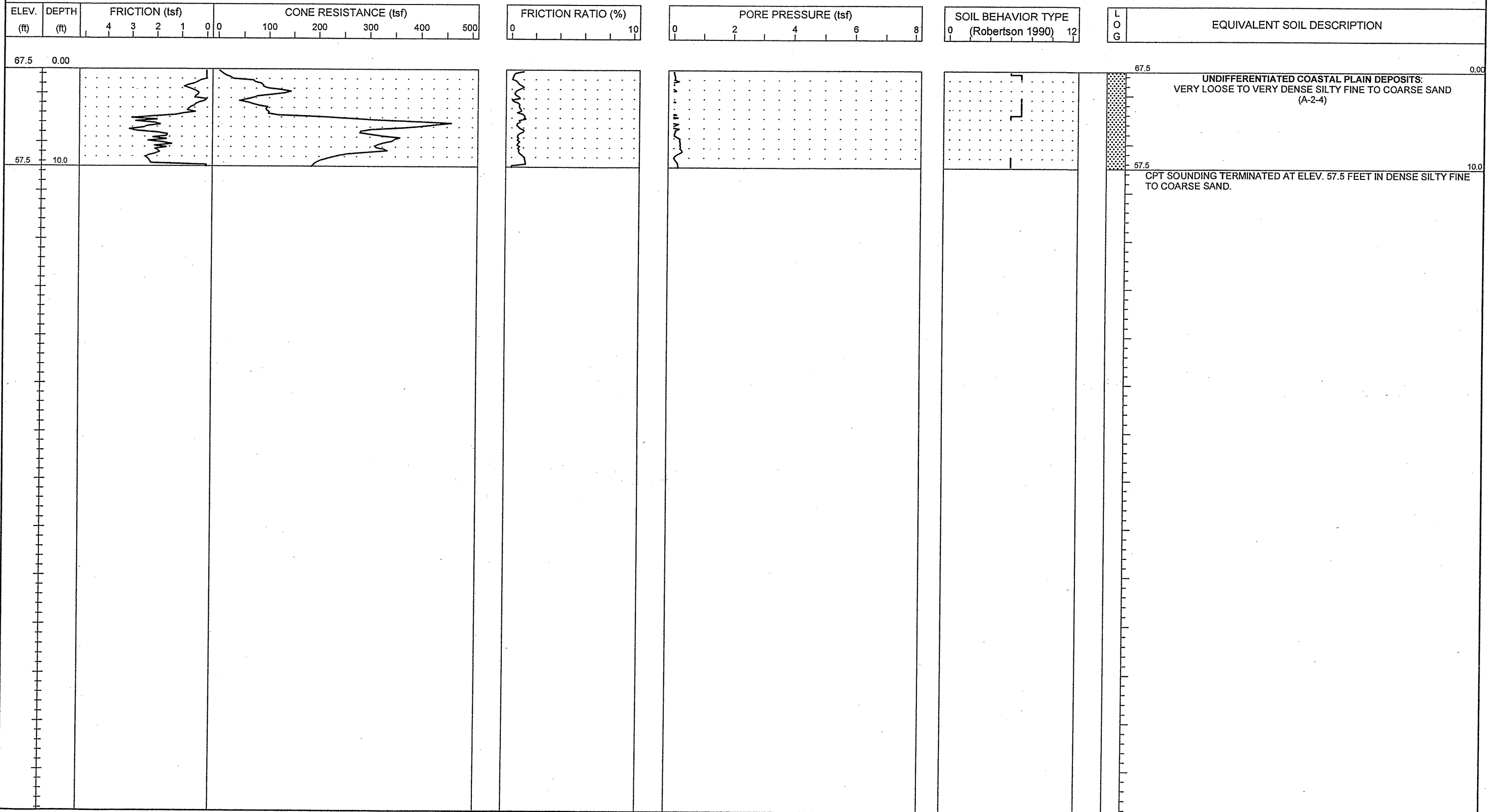


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 6.2 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-178	BORING LOCATION 18+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. N/M	DATE STARTED 10/19/06	COMPLETED 10/19/06
COLLAR ELEV. 67.7 ft	NORTHING 187,660.9	EASTING 2,278,233.8	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



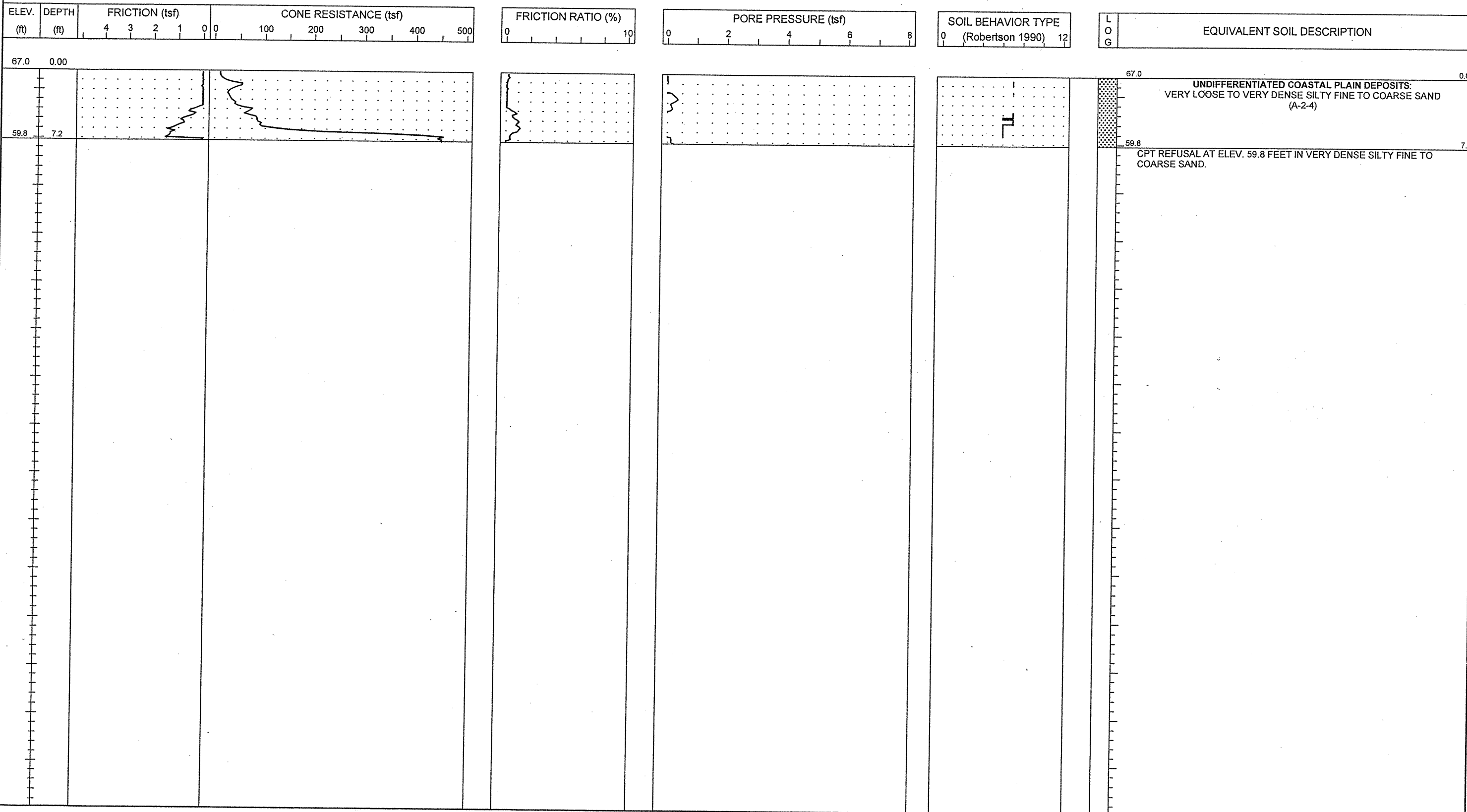
NCDOT CPT - ENGLISH NO. N60 51-411 GREGGS.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-179	BORING LOCATION 20+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. N/M	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 67.5 ft	NORTHING 187,476.6	EASTING 2,278,311.0	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A





PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 7.2 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-180	BORING LOCATION 22+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. N/M	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 67.0 ft	NORTHING 187,303.1	EASTING 2,278,410.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A

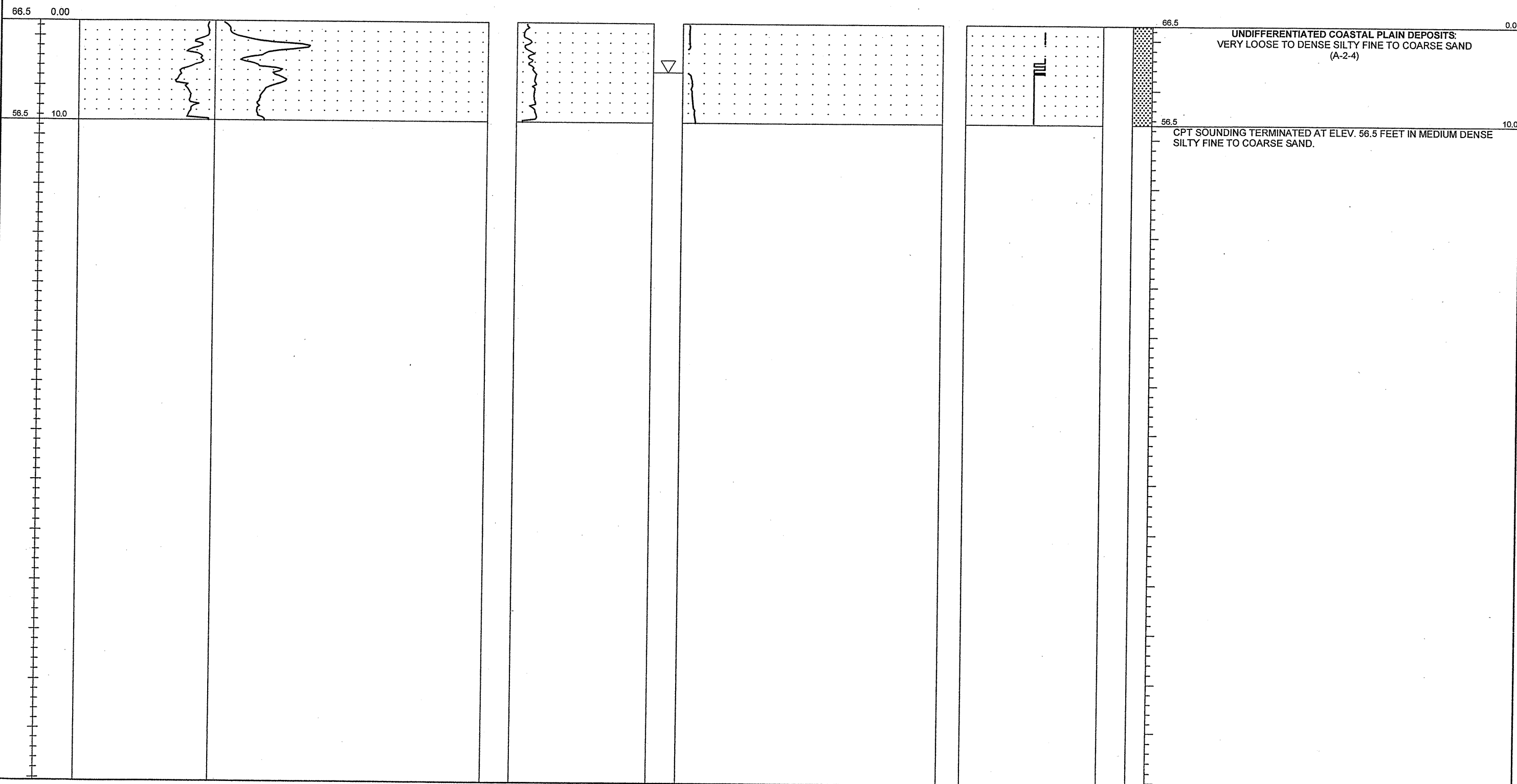


NCDOT CPT - ENGLISH NO. N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06



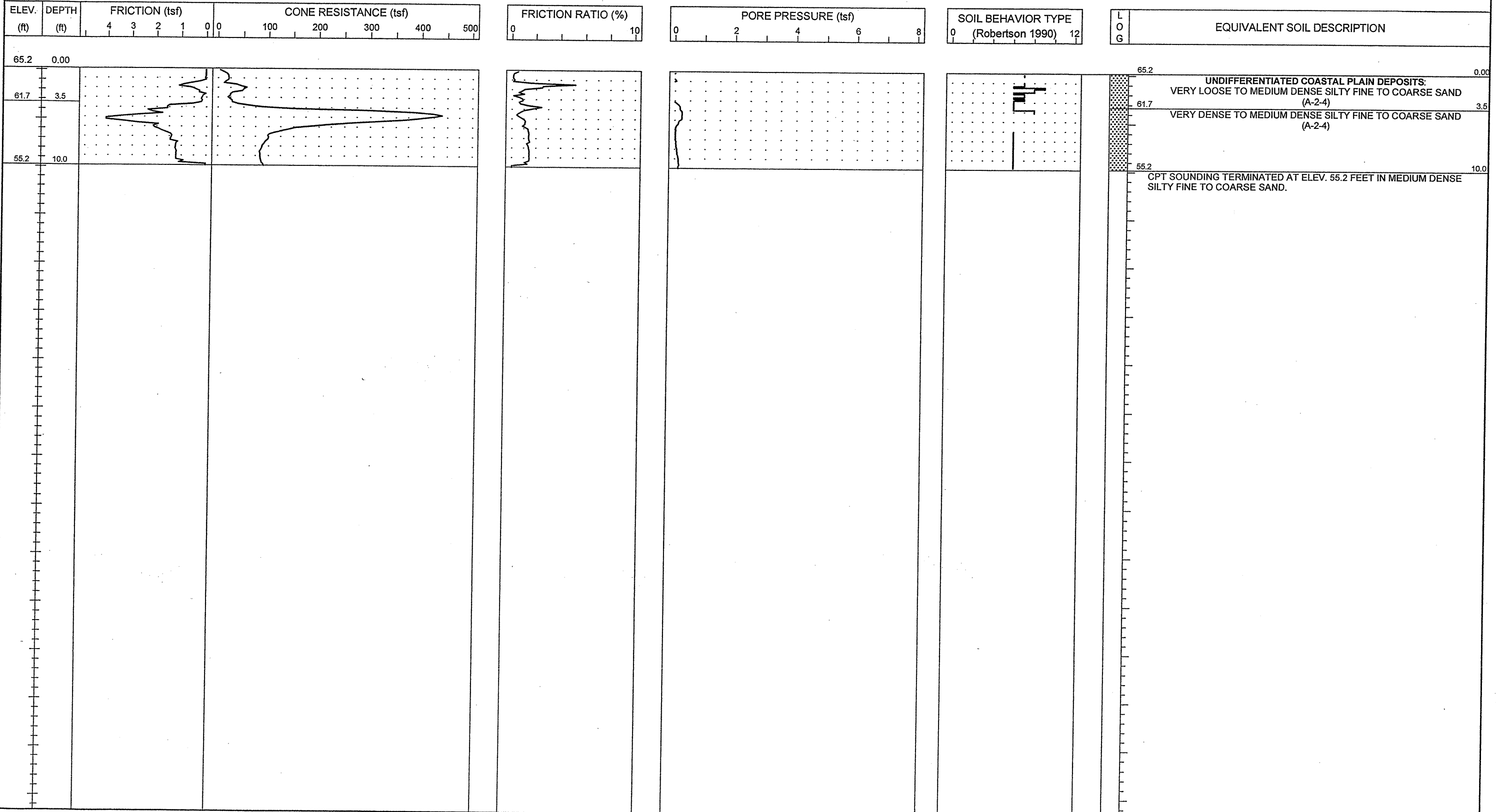
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-181	BORING LOCATION 24+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. 5.0	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 66.5 ft	NORTHING 187,131.6	EASTING 2,278,513.1	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A
HAMMER TYPE N/A						

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		

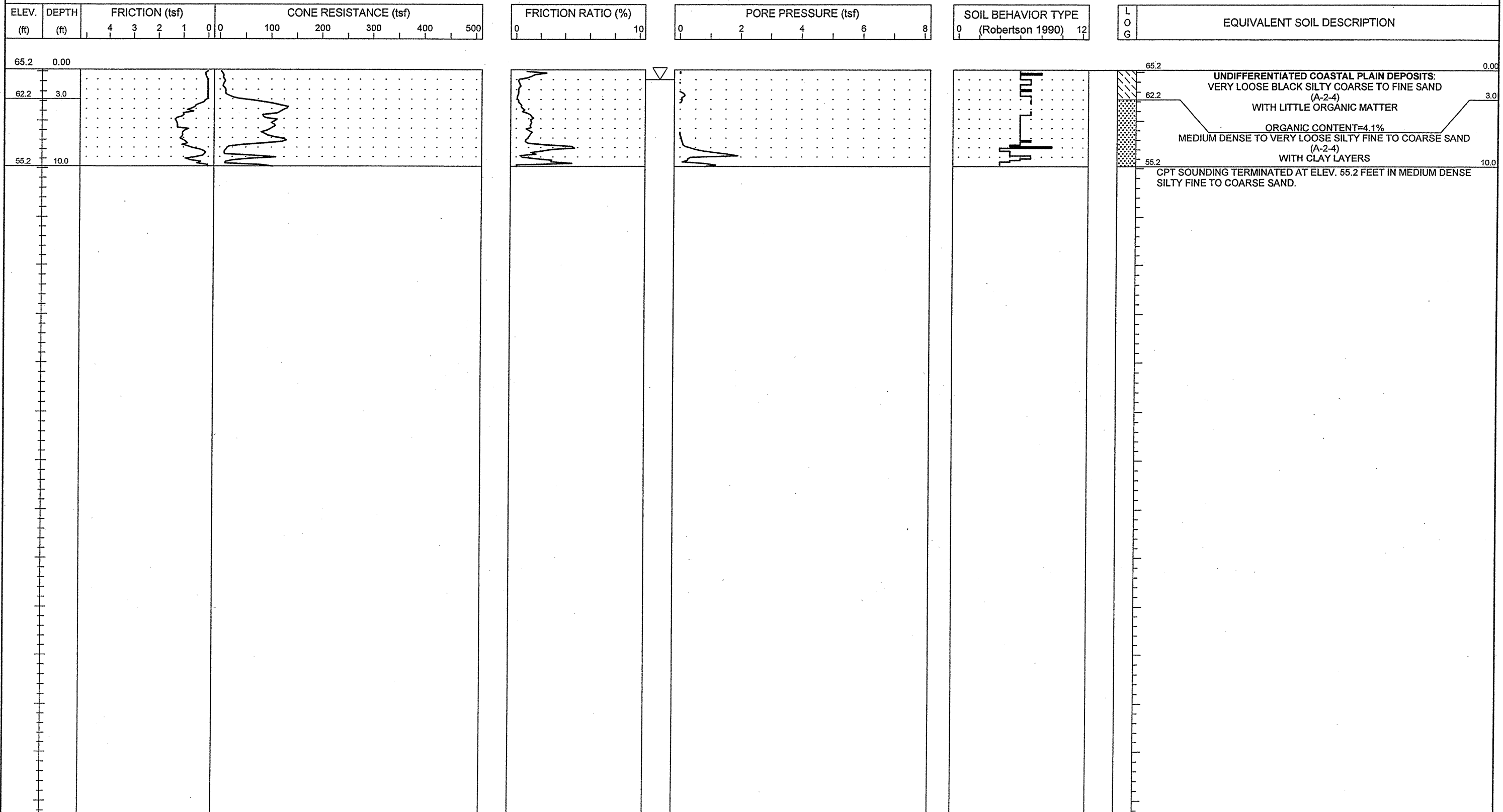




PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-182	BORING LOCATION -26+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. N/M	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 65.2 ft	NORTHING 186,946.0	EASTING 2,278,586.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A

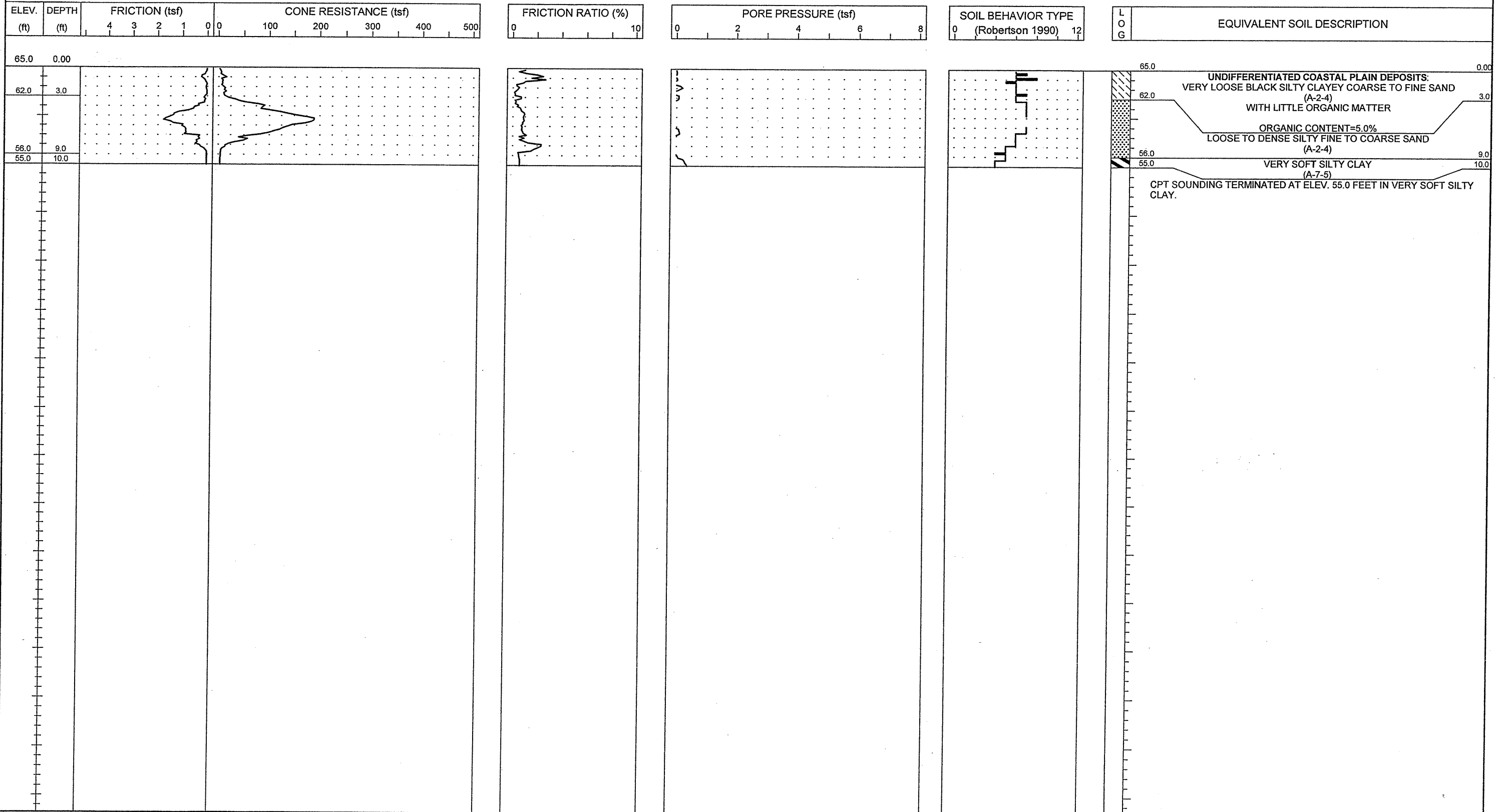


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-183	BORING LOCATION 28+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. 1.0	DATE STARTED 10/21/06	COMPLETED 10/21/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 65.2 ft	NORTHING 186,748.2	EASTING 2,278,613.2	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN			



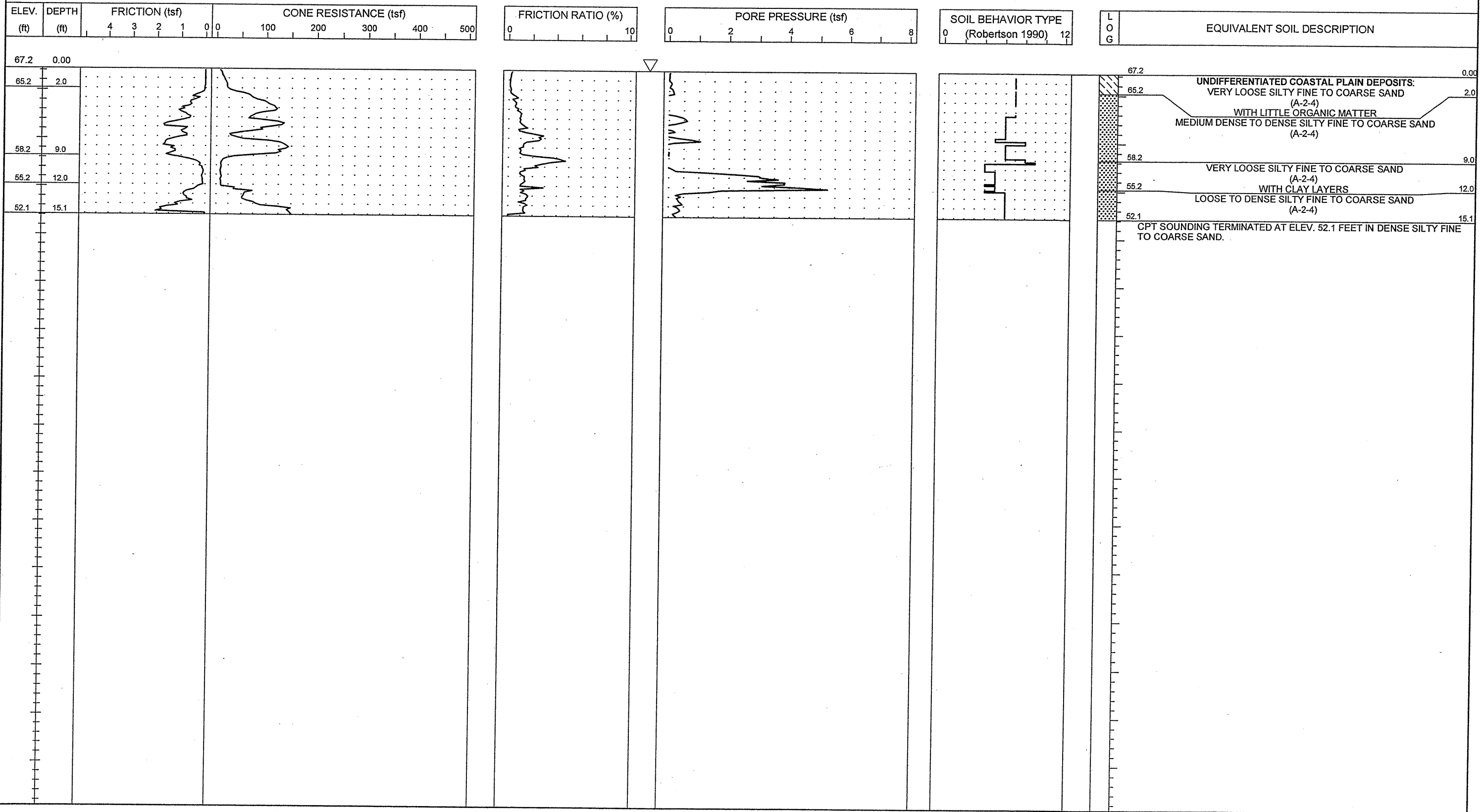


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-184	BORING LOCATION 30+50	OFFSET 0.0 ft CL	ALIGNMENT -RP_D1-	0 HR. N/M	DATE STARTED 10/21/06	COMPLETED 10/21/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 65.0 ft	NORTHING 186,498.3	EASTING 2,278,620.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN			



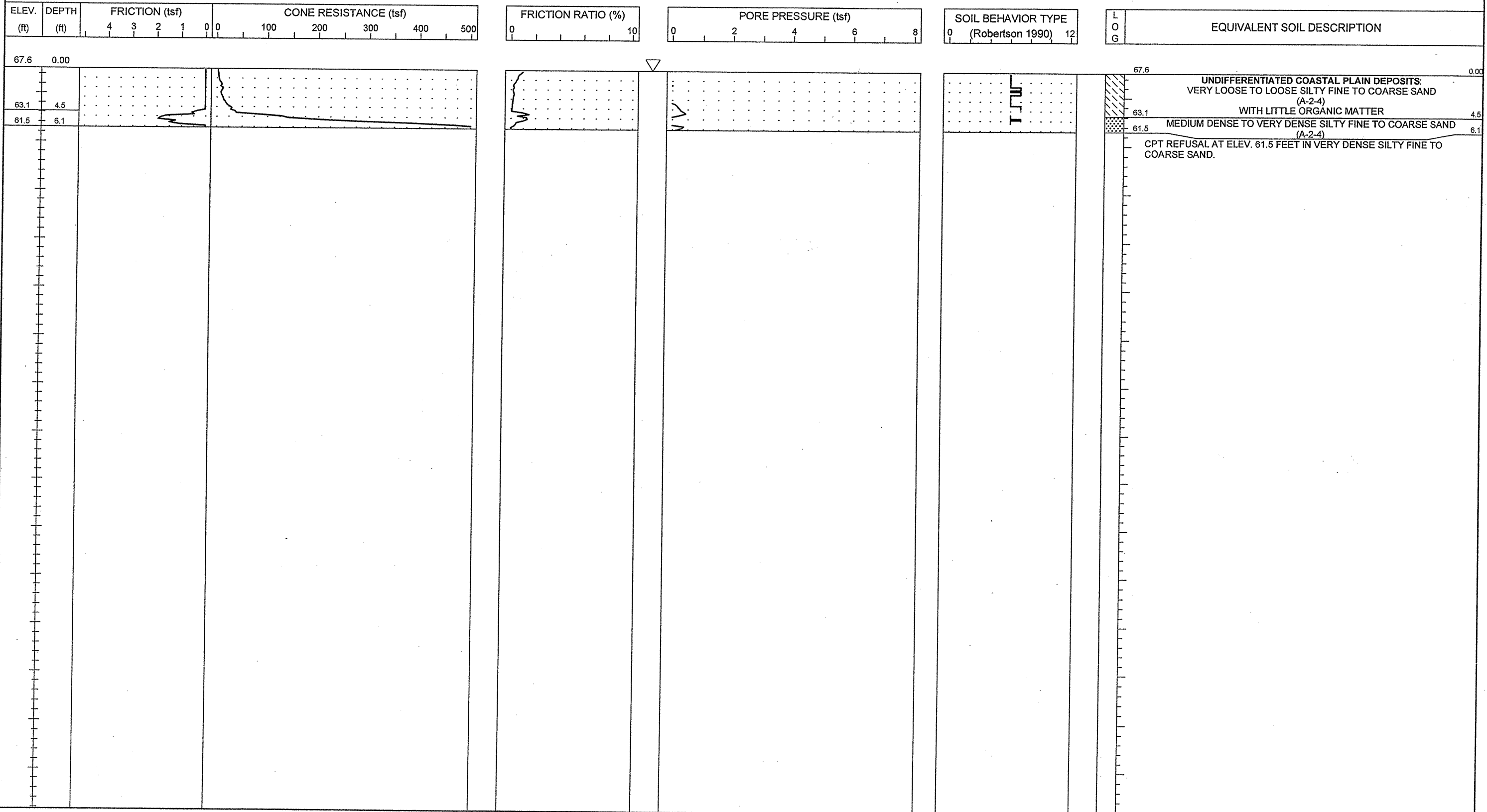
NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 1/16/07

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 15.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-185	BORING LOCATION 11+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. 0.0	DATE STARTED 10/21/06	COMPLETED 10/21/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 67.2 ft	NORTHING 188,231.0	EASTING 2,278,075.9	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN			





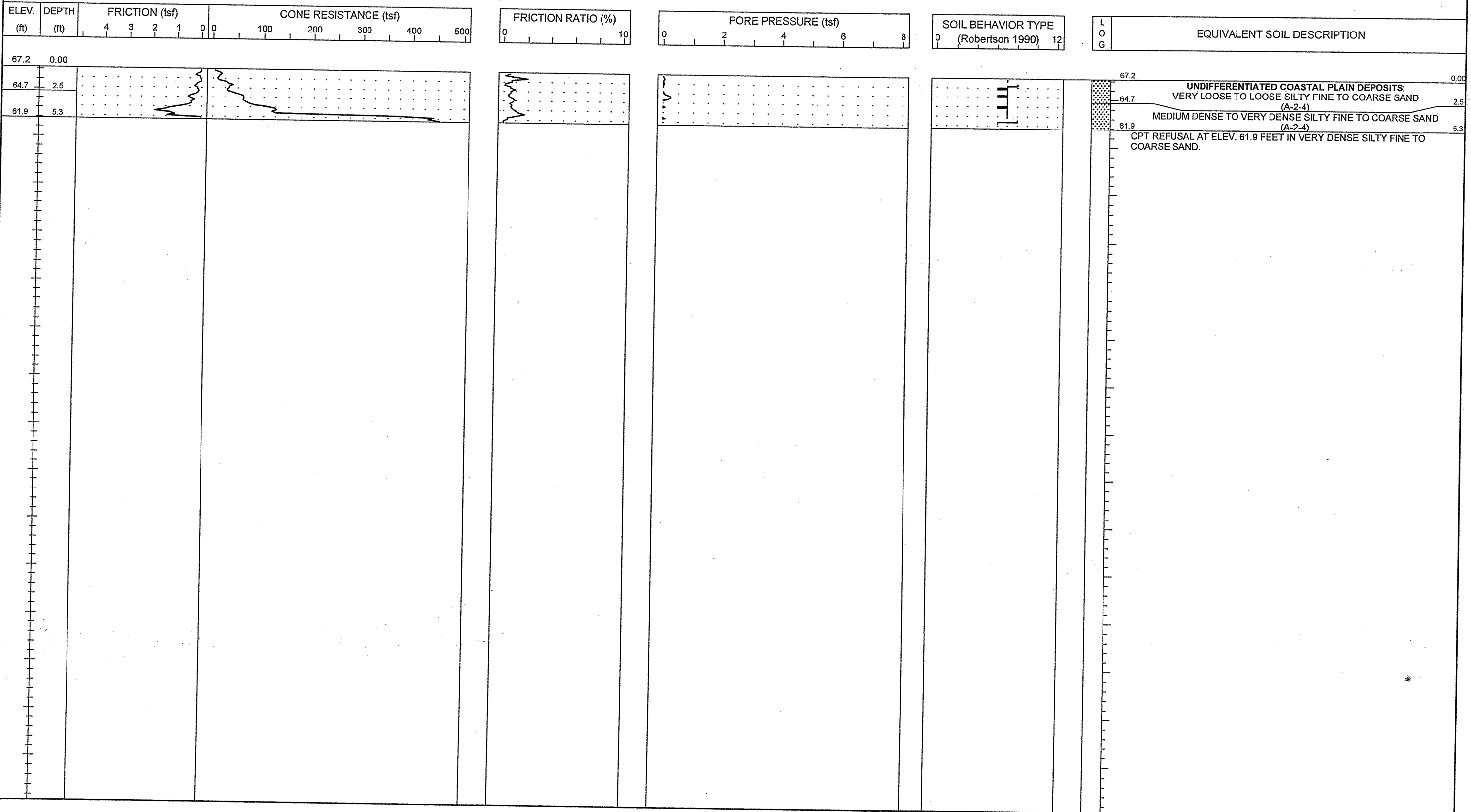
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 6.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-186	BORING LOCATION 13+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. 0.0	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 67.6 ft	NORTHING 188,035.4	EASTING 2,278,034.5	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. N60 51-411 GREGG3.GPJ NCDOT.GDT 1/16/07



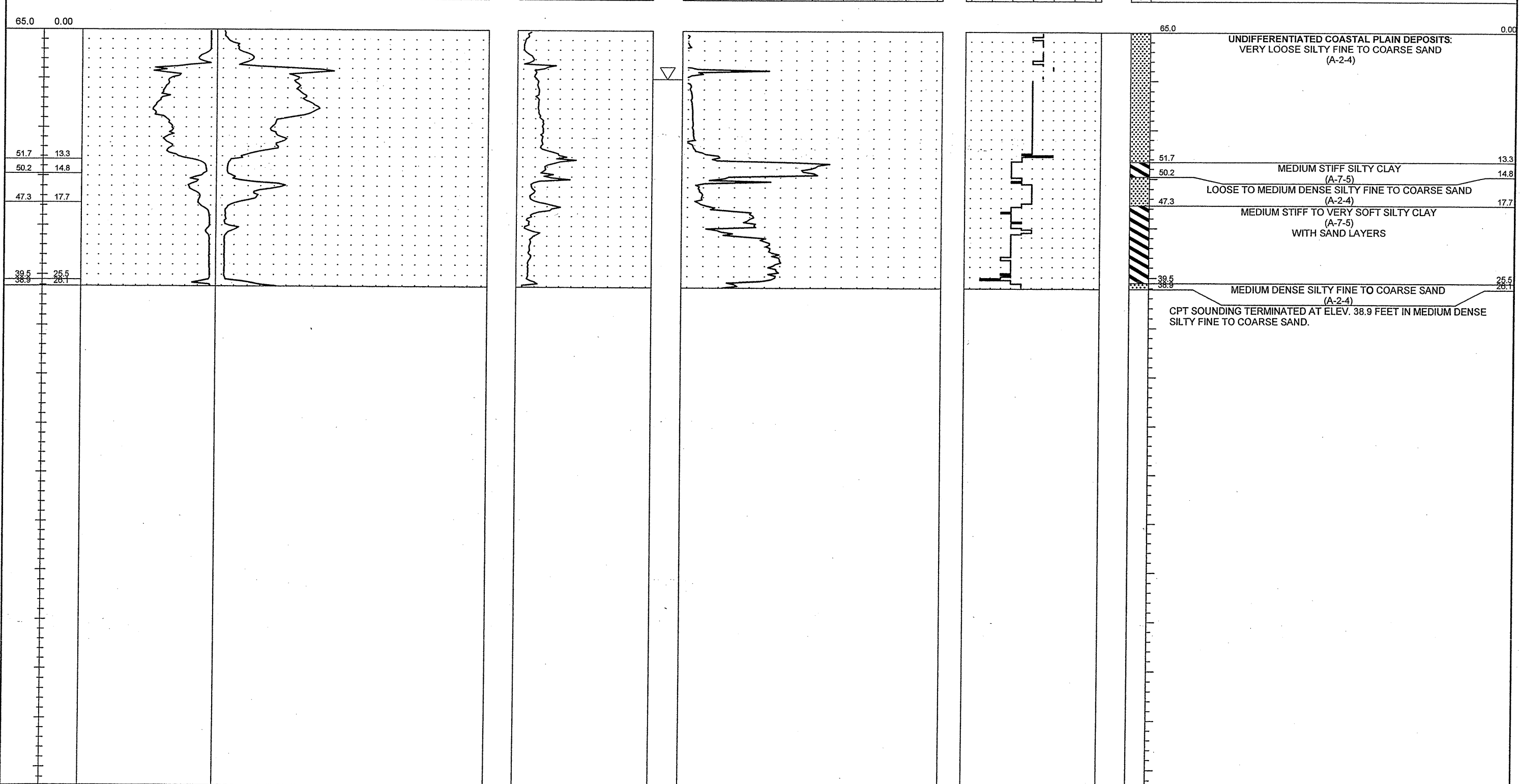
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 5.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-187	BORING LOCATION 15+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. N/M	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 67.2 ft	NORTHING 187,841.9	EASTING 2,277,985.7	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		



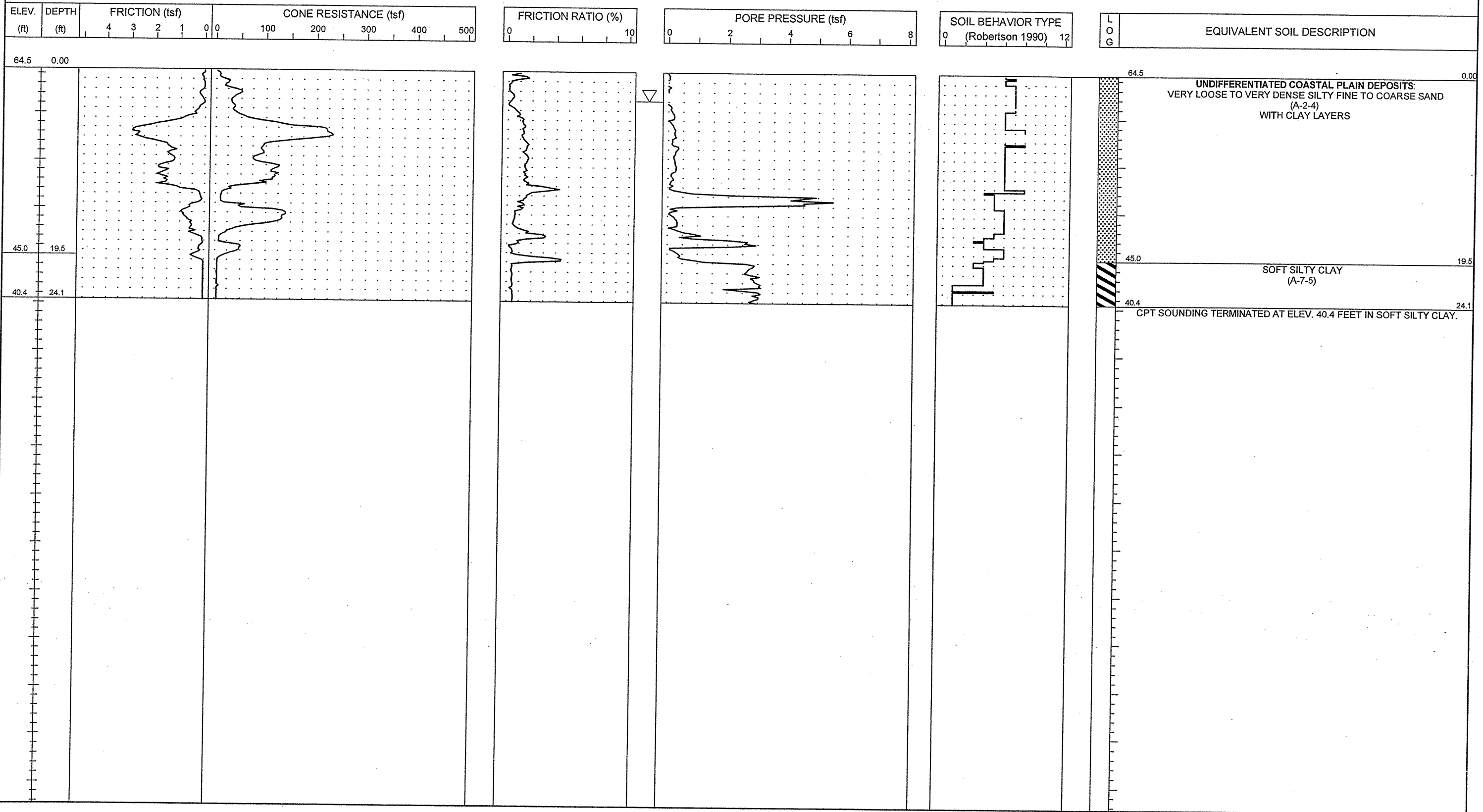
NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 26.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-188	BORING LOCATION 17+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. 5.0	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 65.0 ft	NORTHING 187,655.7	EASTING 2,277,911.4	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A

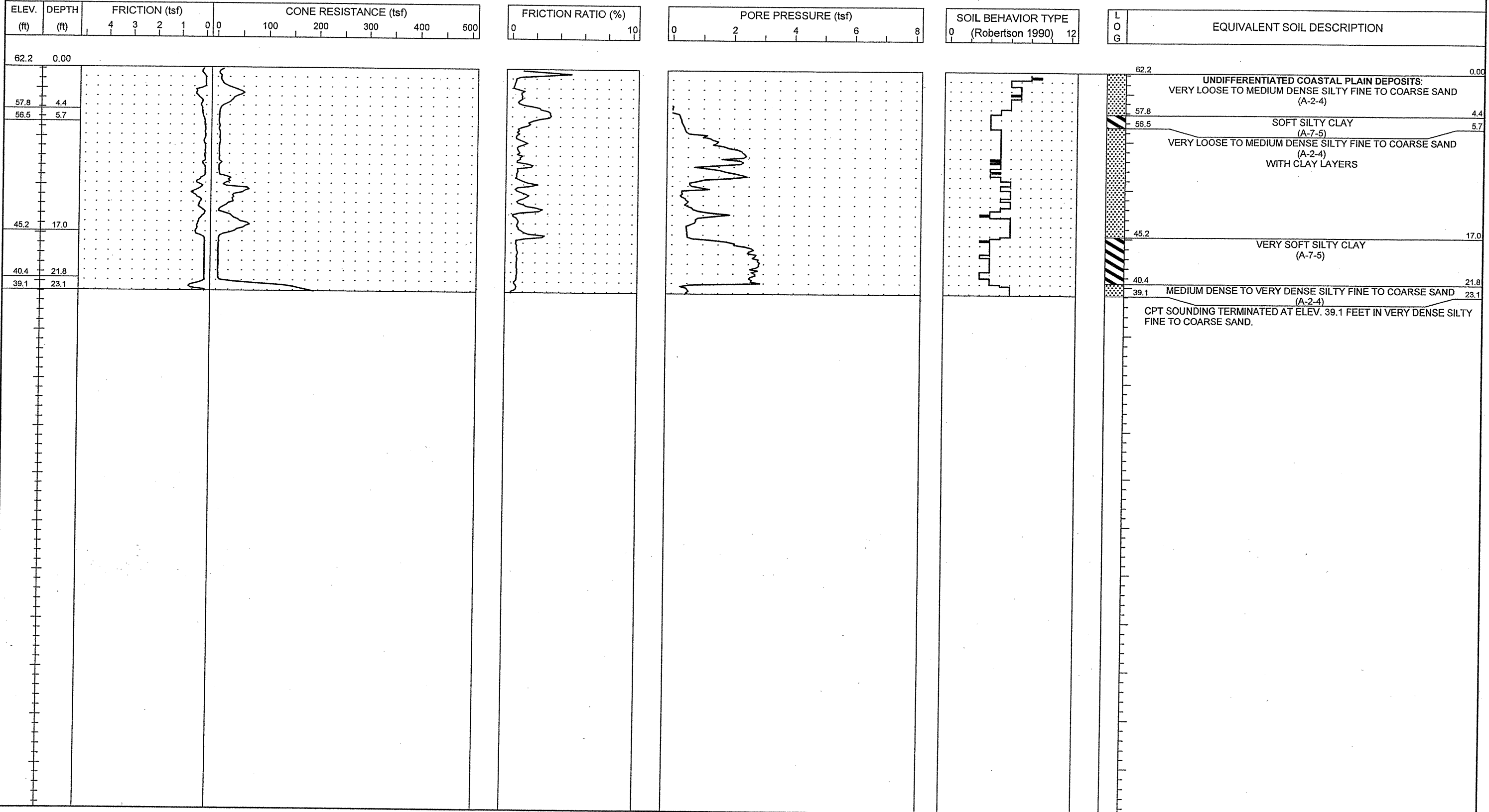
ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
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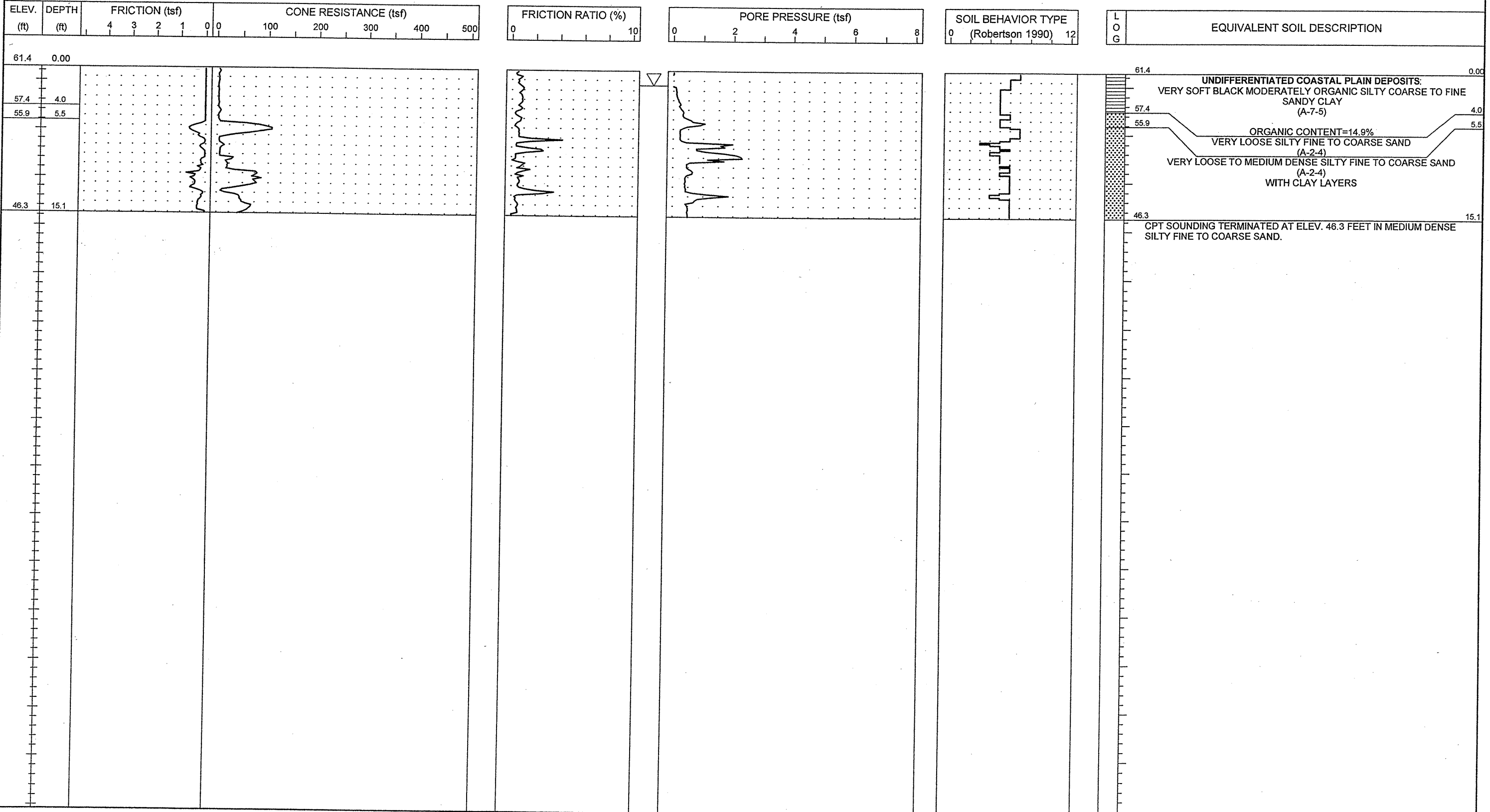
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 24.1 ft	DRILL MACHINE CPT-ATV
BORING NO. C-189	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. 3.0	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 64.5 ft	NORTHING 187,481.0	EASTING 2,277,814.5	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A
HAMMER TYPE N/A						



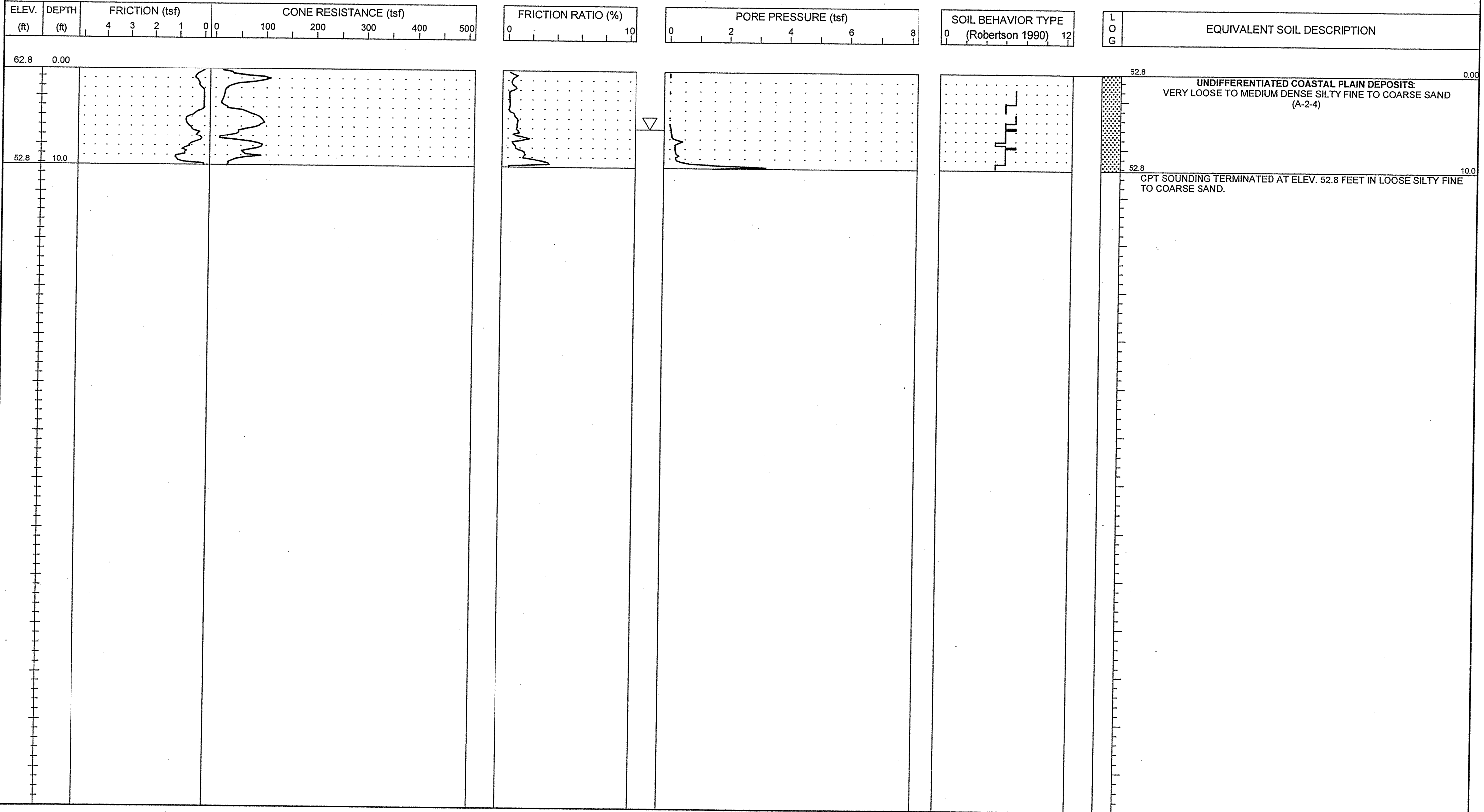
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 23.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-190	BORING LOCATION 21+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. N/M	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 62.2 ft	NORTHING 187,319.0	EASTING 2,277,697.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 15.1 ft	DRILL MACHINE CPT-ATV
BORING NO. C-191	BORING LOCATION 23+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. 1.5	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 61.4 ft	NORTHING 187,162.7	EASTING 2,277,572.5	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		

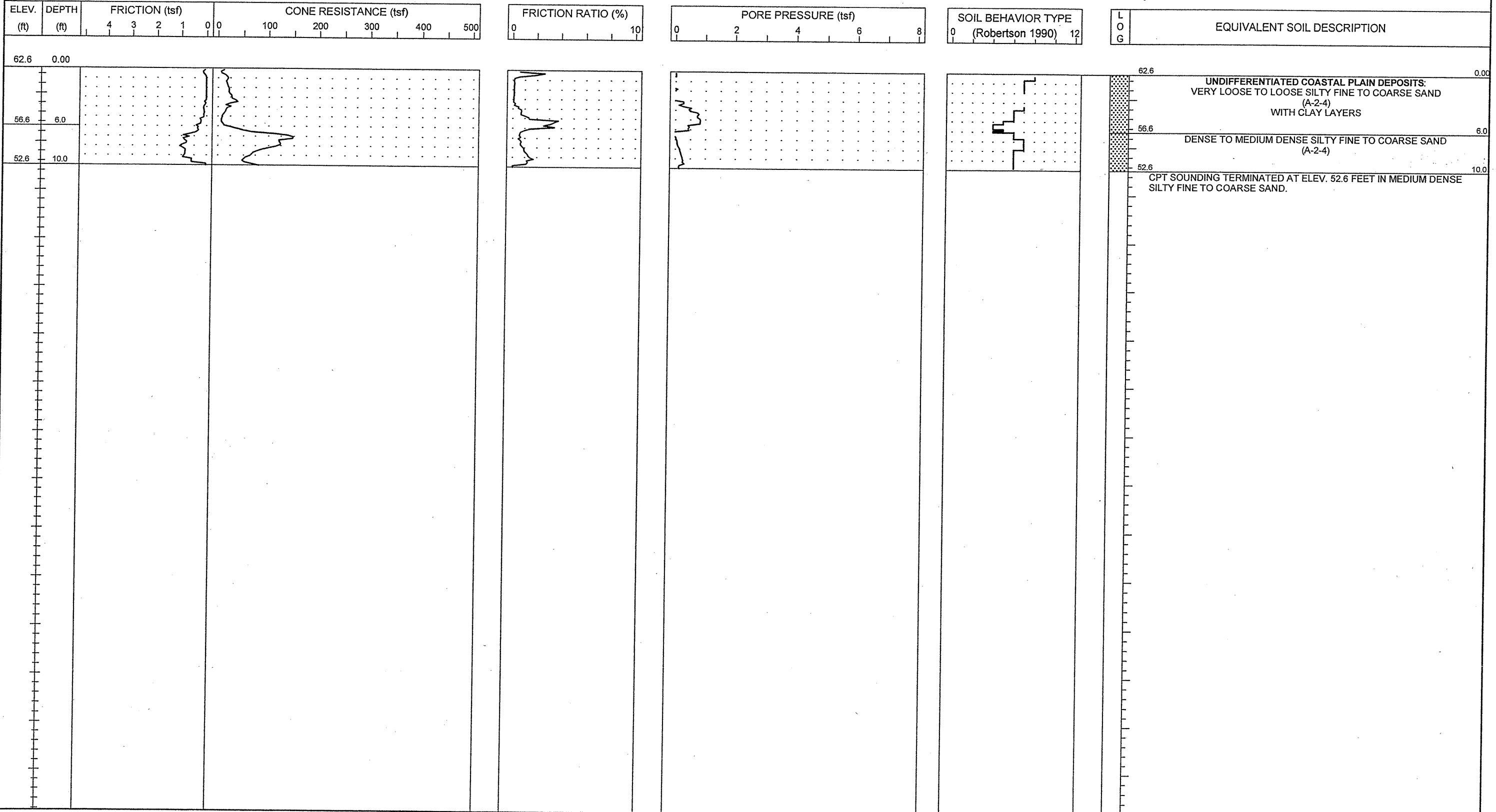


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-192	BORING LOCATION 25+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. 6.0	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 62.8 ft	NORTHING 186,994.9	EASTING 2,277,464.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		





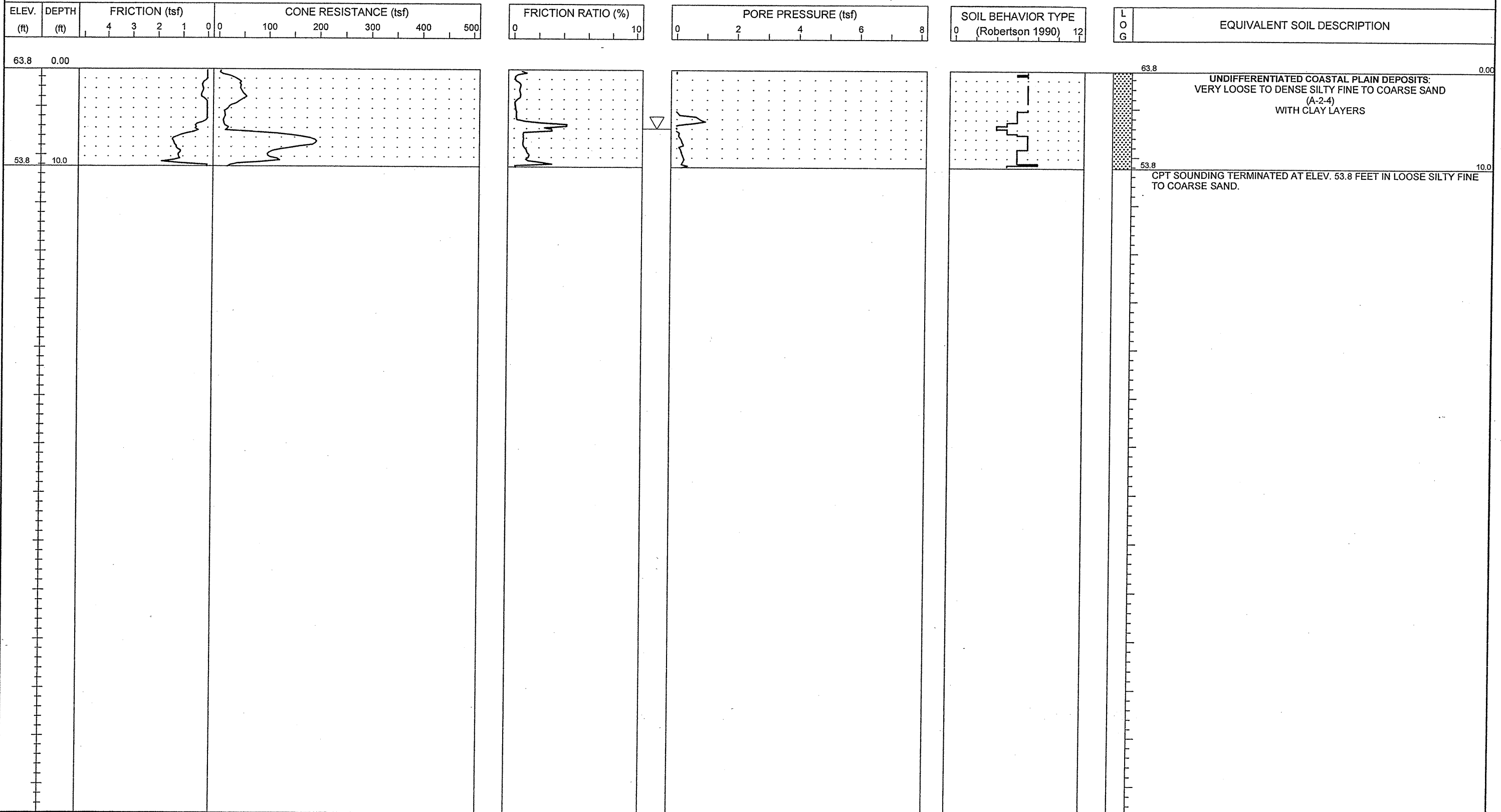
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-193	BORING LOCATION 27+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. N/M	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 62.6 ft	NORTHING 186,808.0	EASTING 2,277,393.9	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



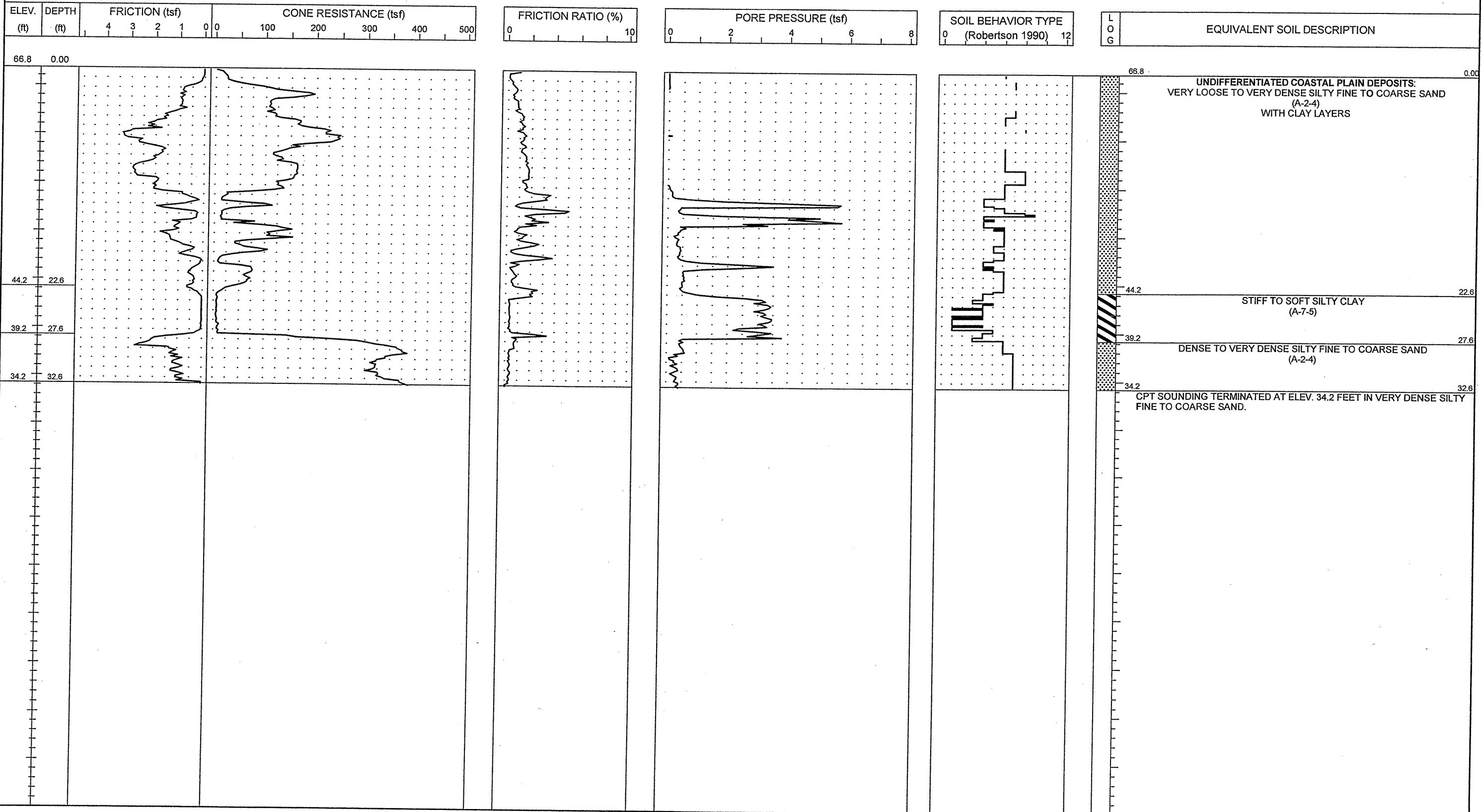
NCDOT.CPT - ENGLISH NO. N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-194	BORING LOCATION 29+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A1-	0 HR. 6.0	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 63.8 ft	NORTHING 186,614.0	EASTING 2,277,345.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A

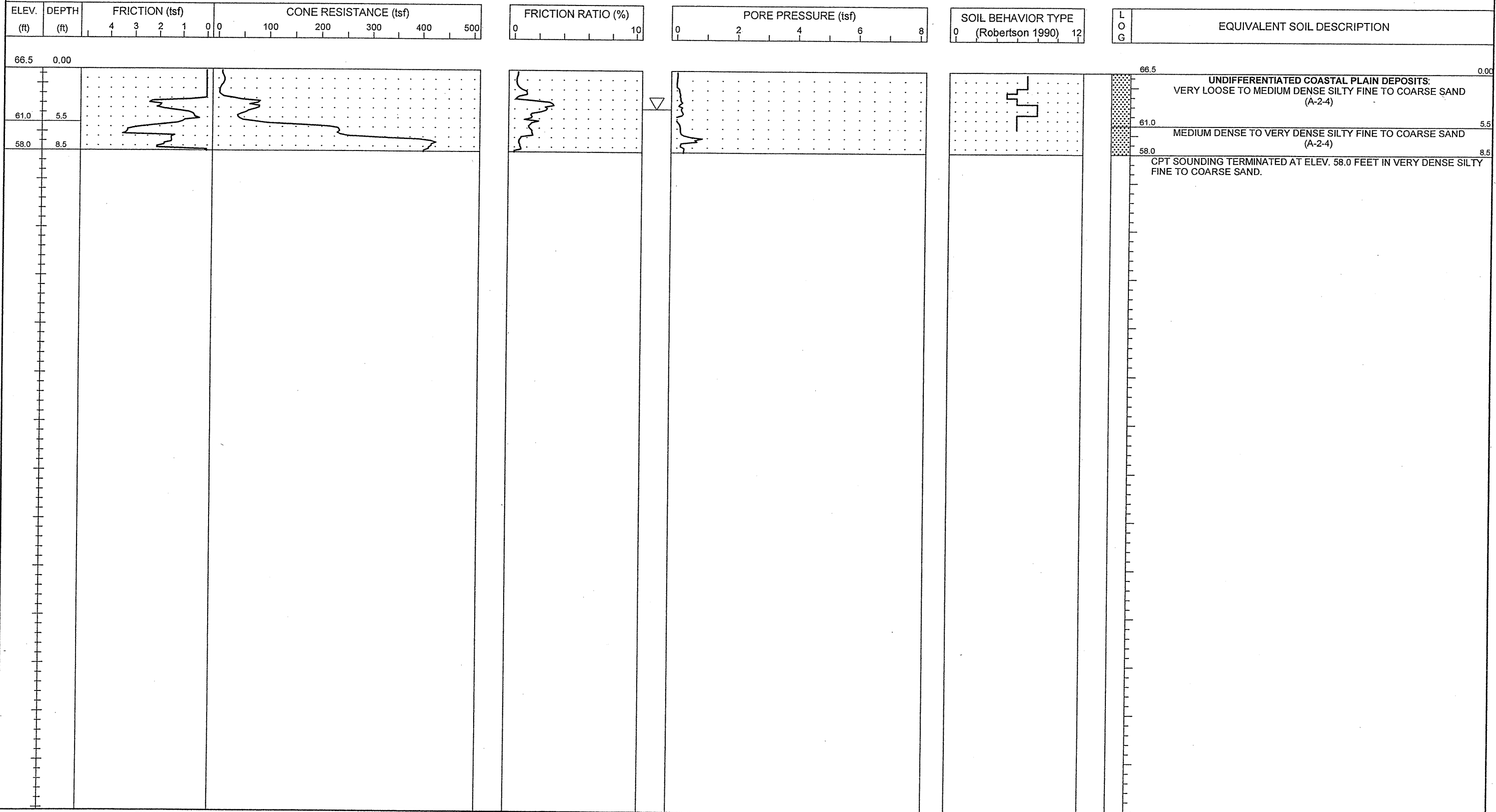


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 32.6 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-195	BORING LOCATION 10+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_D1-	0 HR. N/M	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 66.8 ft	NORTHING 186,591.6	EASTING 2,278,054.7	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		





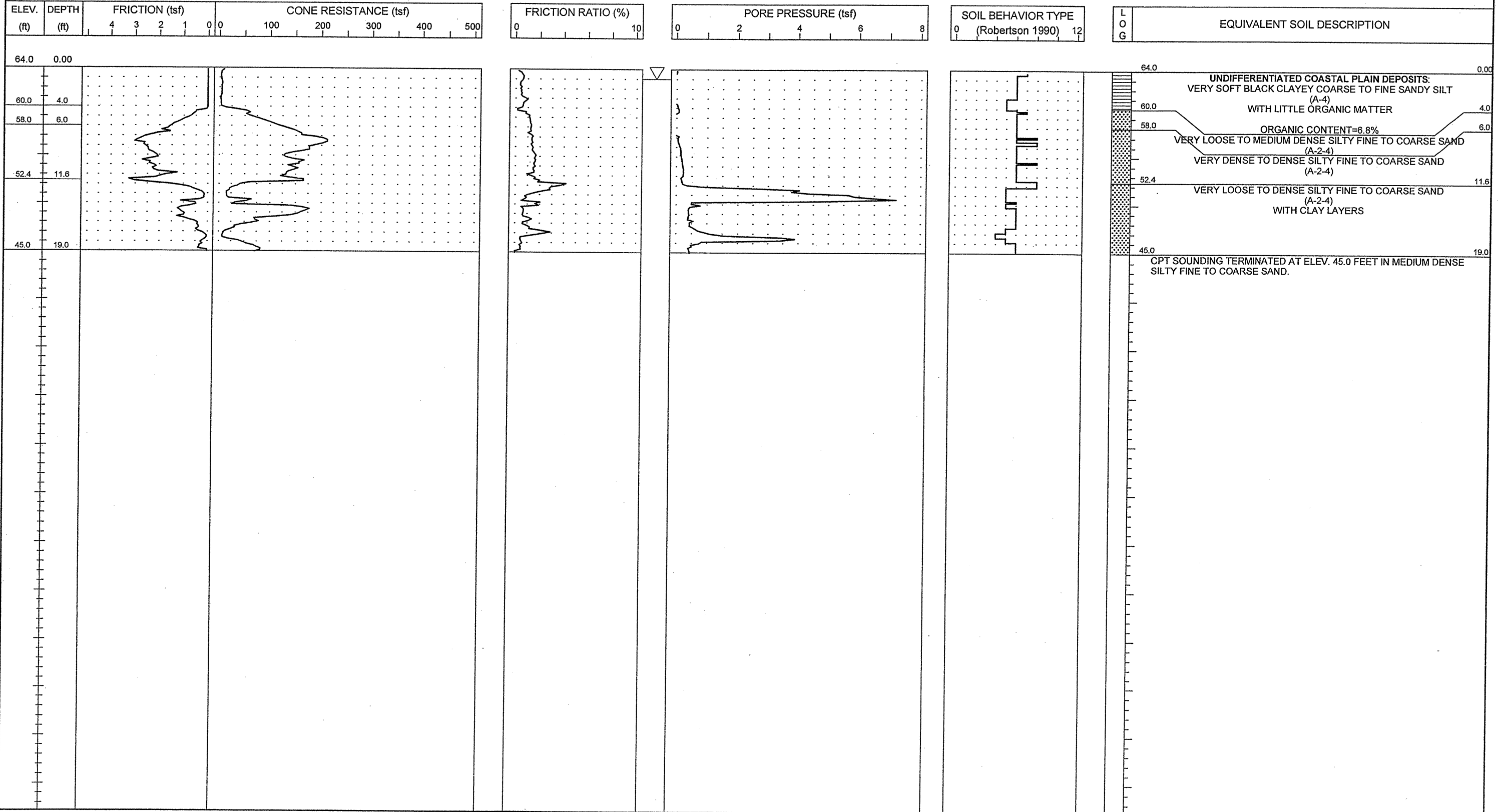
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 8.5 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-196	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_D1-	0 HR. 4.0	DATE STARTED 10/21/06	COMPLETED 10/21/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 66.5 ft	NORTHING 186,790.5	EASTING 2,278,069.7	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN			



NCDOT CPT - ENGLISH NO N60 51-411 GREGGLAST.GPJ NCDOT.GDT 11/21/06



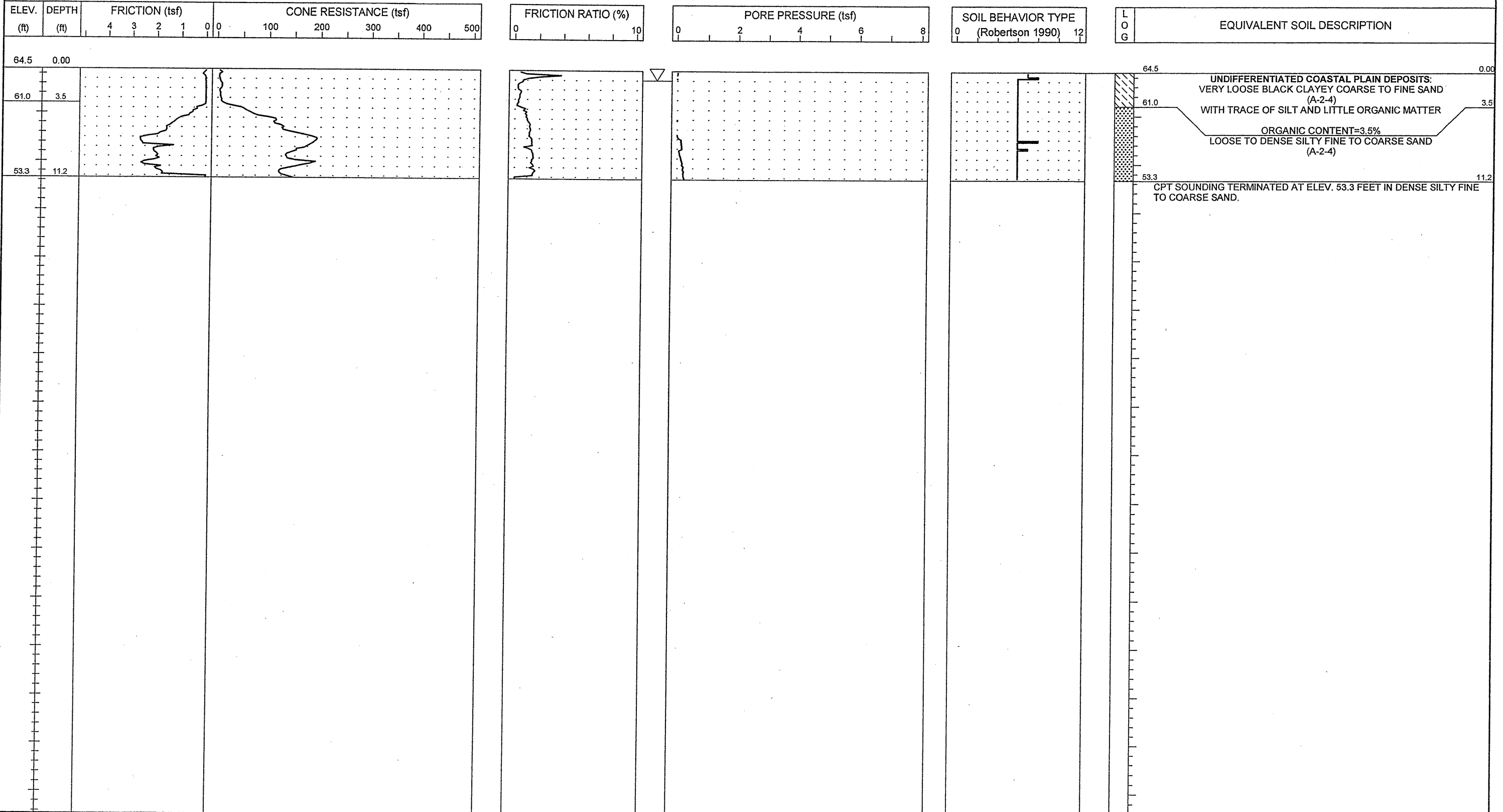
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 19.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-197	BORING LOCATION 14+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_D1-	0 HR. 1.0	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 64.0 ft	NORTHING 186,954.5	EASTING 2,278,176.4	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 1/16/07



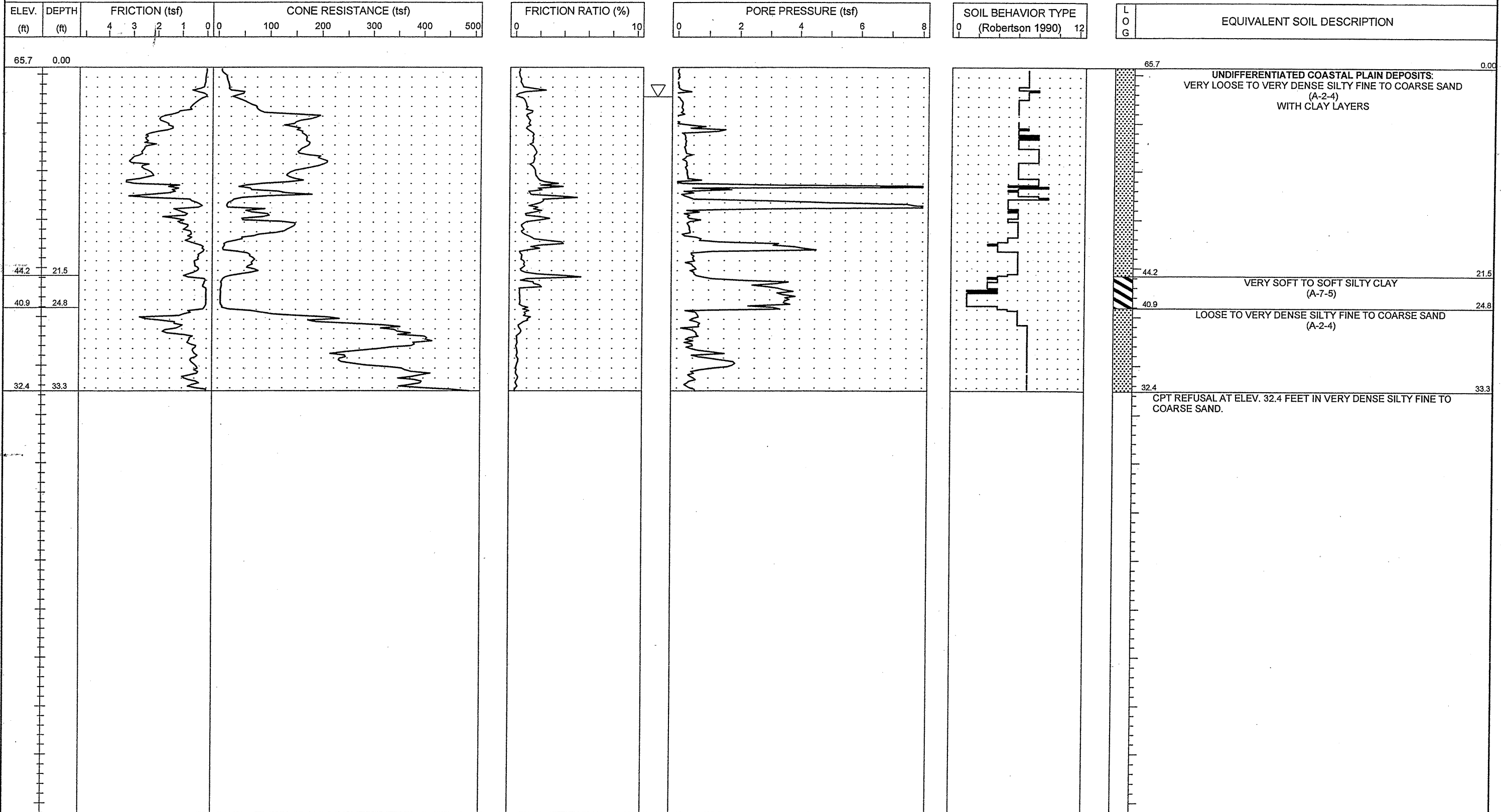
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 11.2 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-198	BORING LOCATION 16+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_D1-	0 HR. 1.0	DATE STARTED 10/21/06	COMPLETED 10/21/06
COLLAR ELEV. 64.5 ft	NORTHING 186,999.9	EASTING 2,278,366.2	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 1/22/07

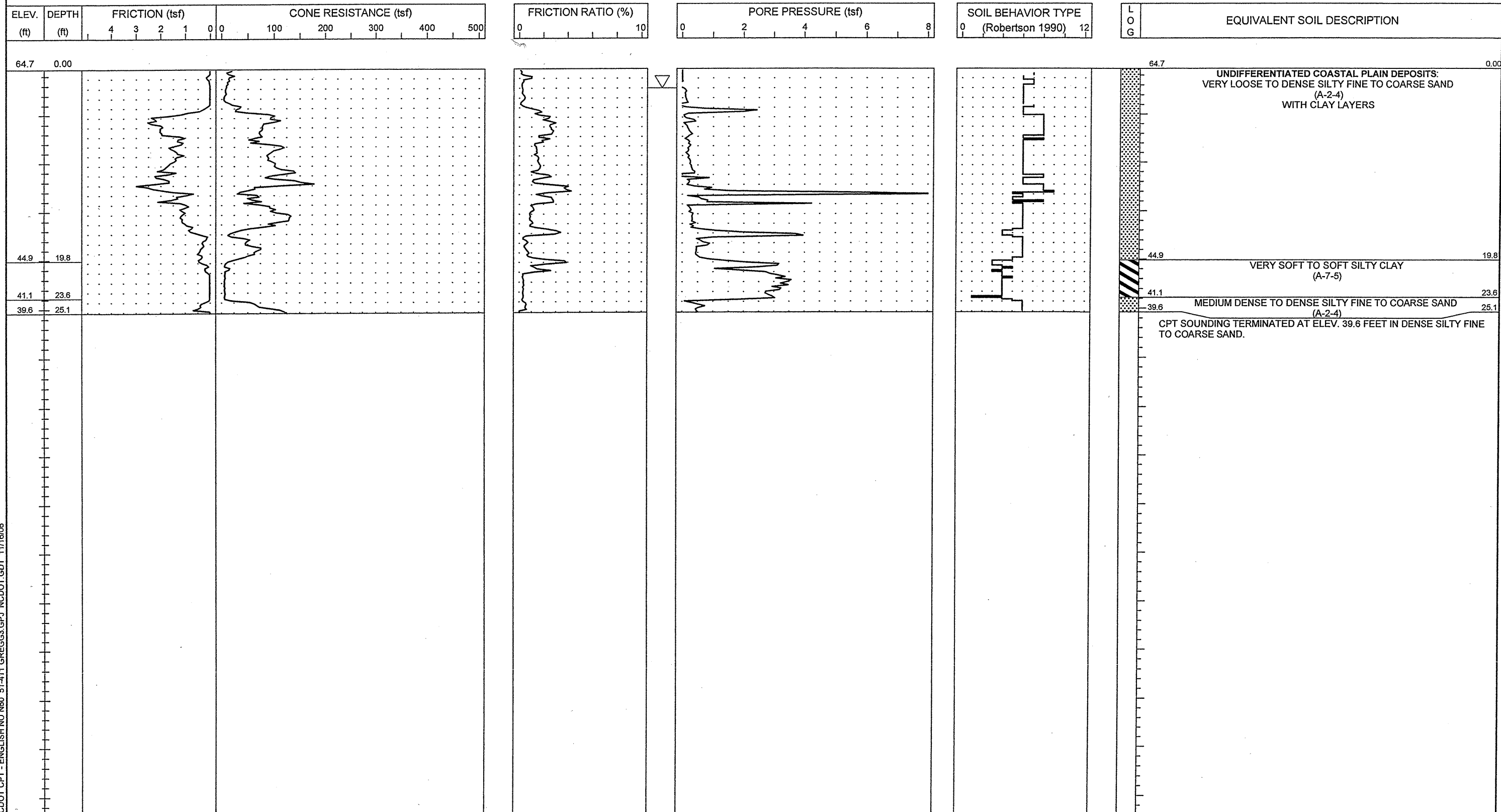


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 33.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-202	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_A1-	0 HR. 3.0	DATE STARTED 10/20/06	COMPLETED 10/20/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 65.7 ft	NORTHING 186,789.5	EASTING 2,277,944.1		24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN		



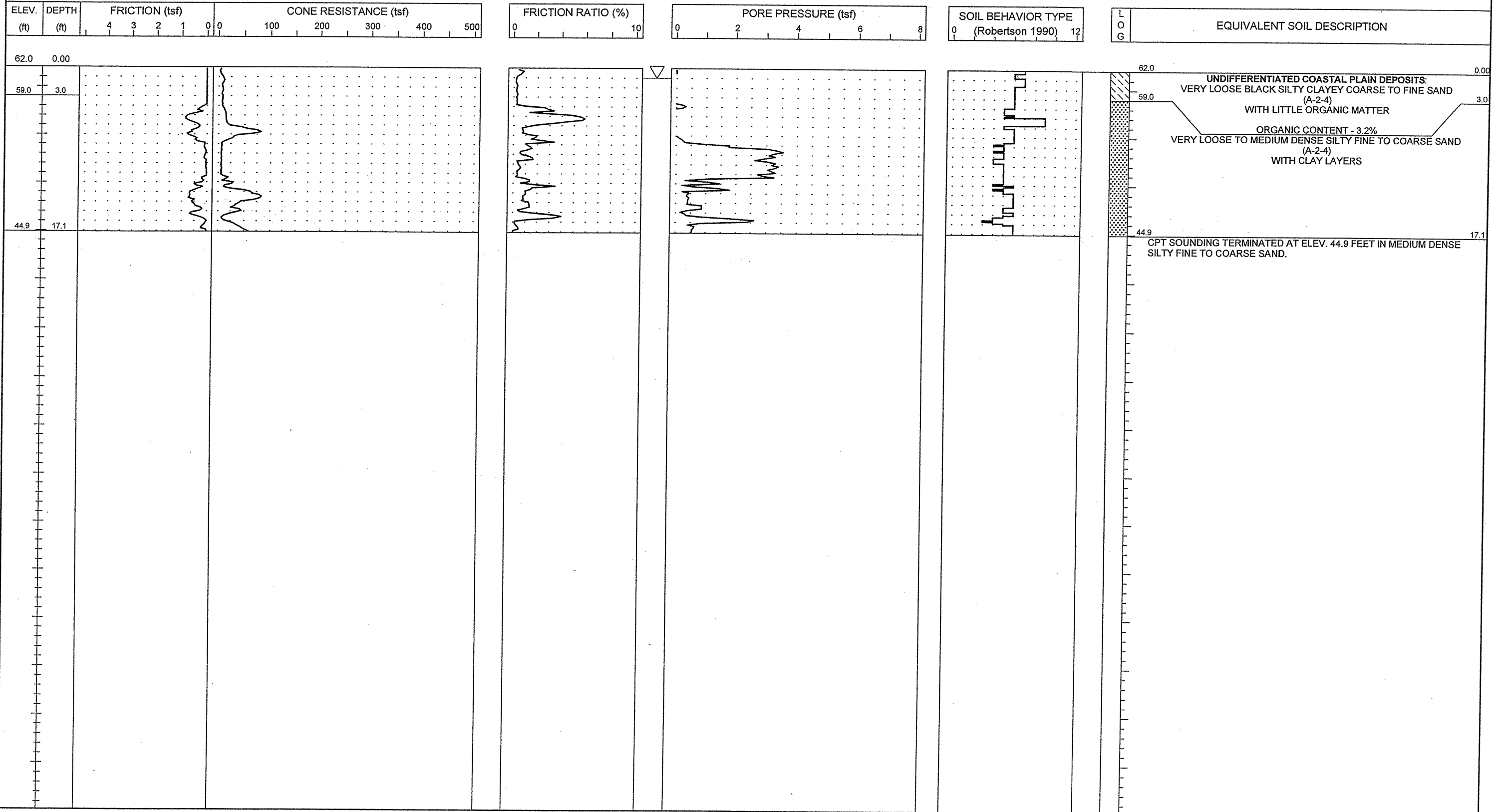


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 25.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-203	BORING LOCATION 14+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_A1-	0 HR. 2.0	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 64.7 ft	NORTHING 186,959.9	EASTING 2,277,846.1	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



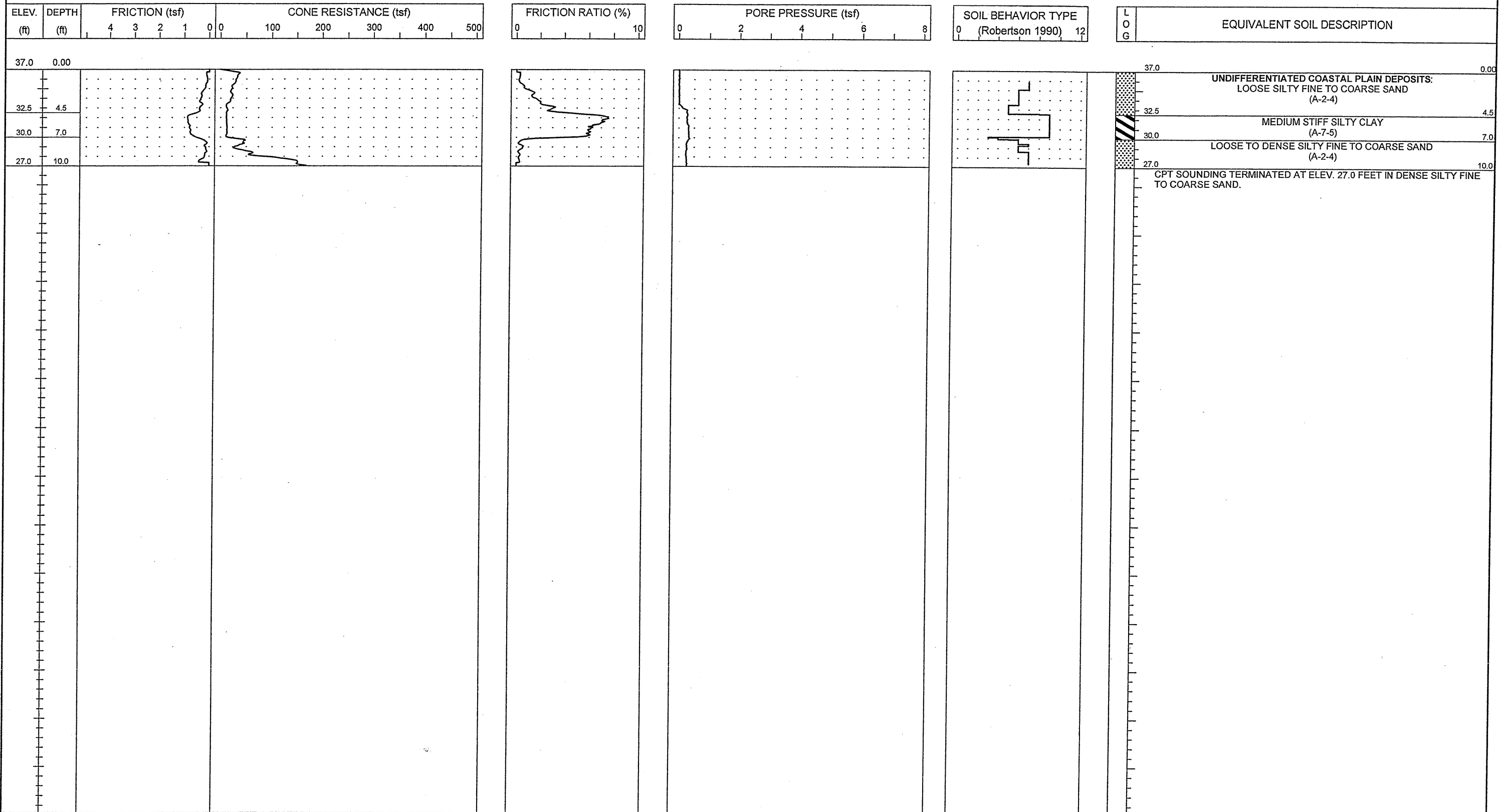
NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 17.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-204	BORING LOCATION 16+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_A1-	0 HR. 1.0	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 62.0 ft	NORTHING 187,019.5	EASTING 2,277,660.4	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A





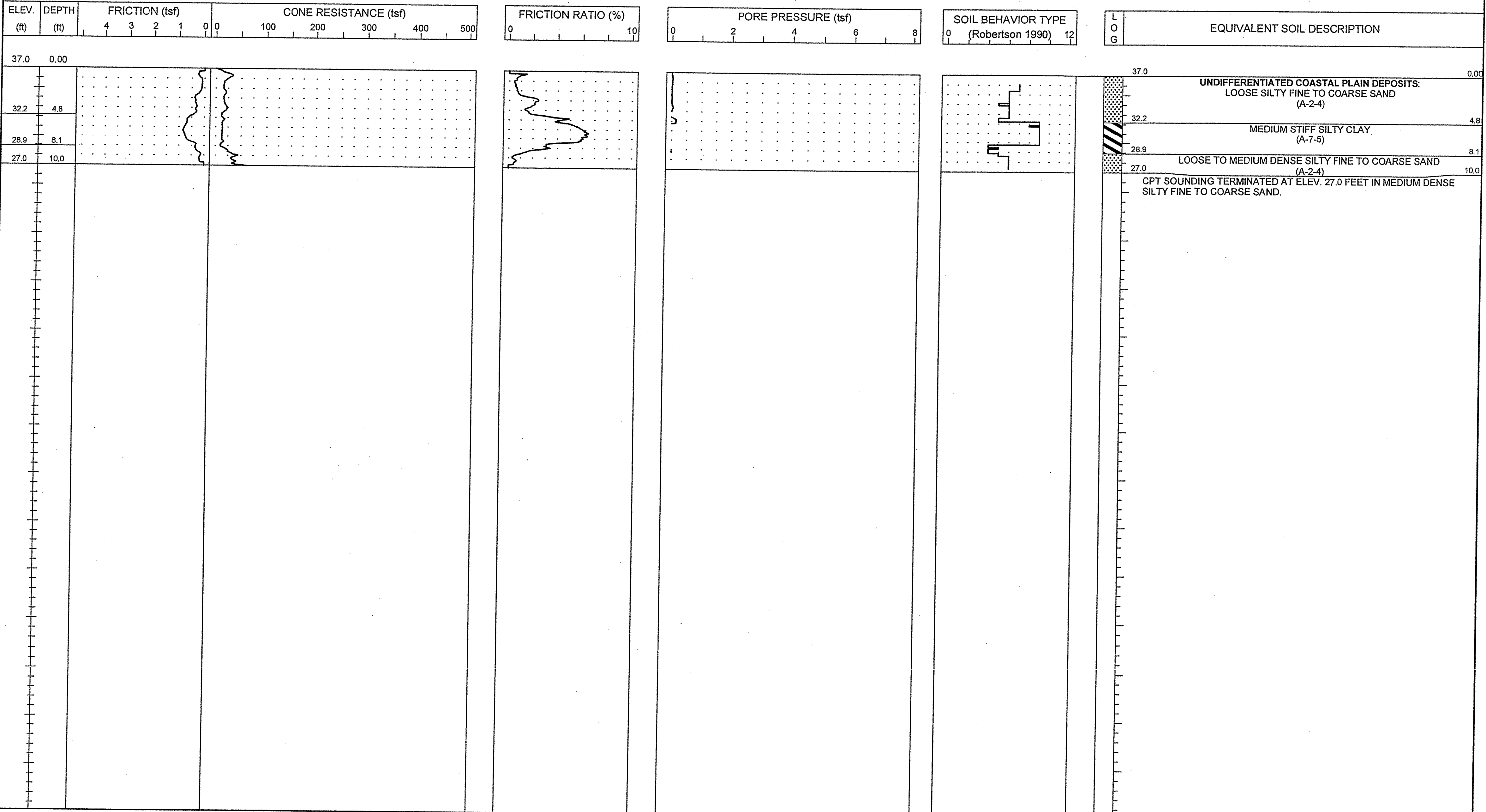
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-209	BORING LOCATION 14+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_B2-	0 HR. N/M	DATE STARTED 10/30/06	COMPLETED 10/30/06
COLLAR ELEV. 37.0 ft	NORTHING 193,765.4	EASTING 2,286,836.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411.5TH CPT.GPJ NCDOT.GDT 11/16/06



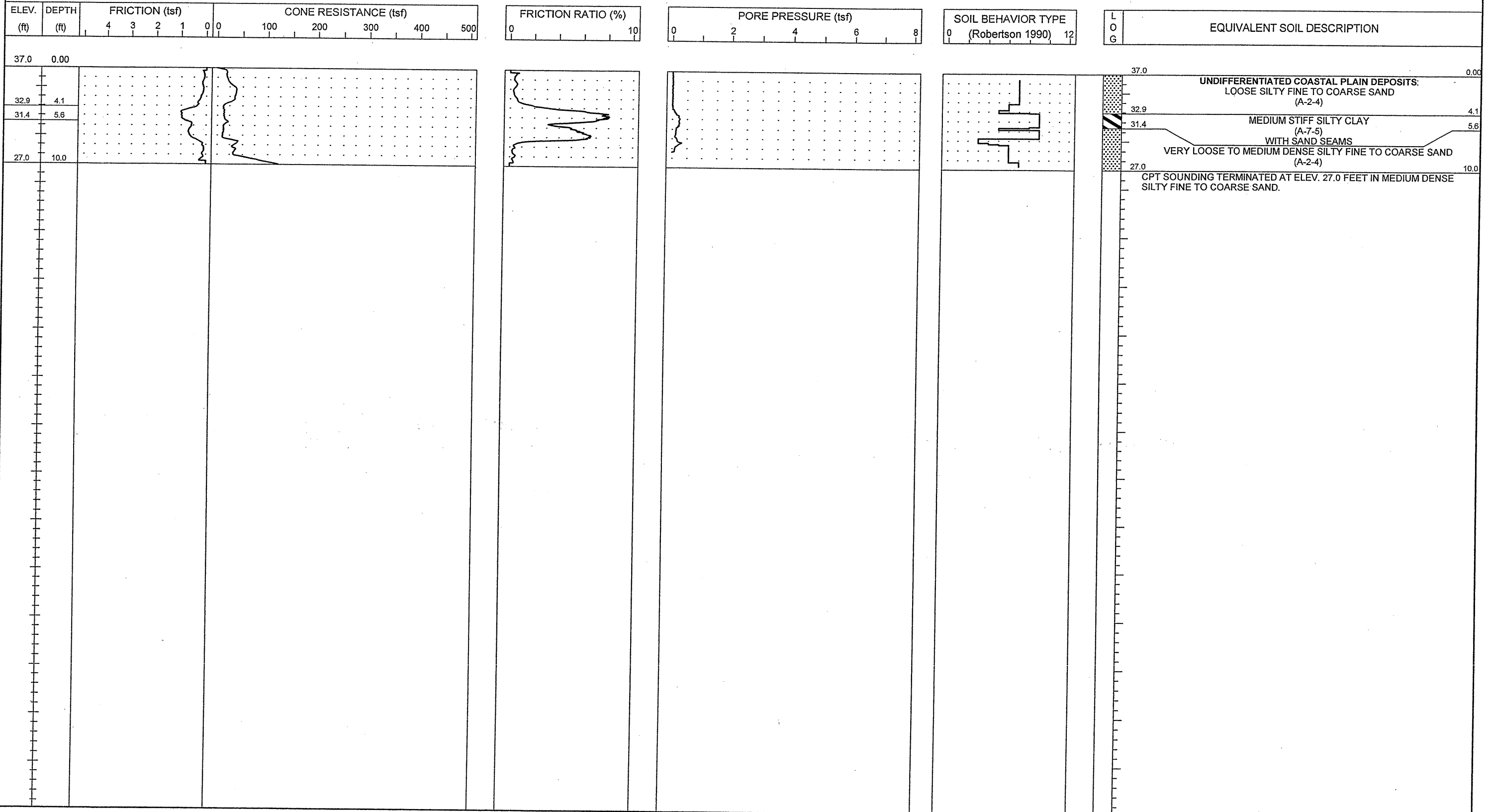
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-210	BORING LOCATION 16+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_B2-	DATE STARTED 10/30/06	COMPLETED 10/30/06	HAMMER TYPE N/A
COLLAR ELEV. 37.0 ft	NORTHING 193,960.1	EASTING 2,286,848.7	0 HR. N/M 24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 5TH CPT.GPJ NCDOT.GDT 11/16/06



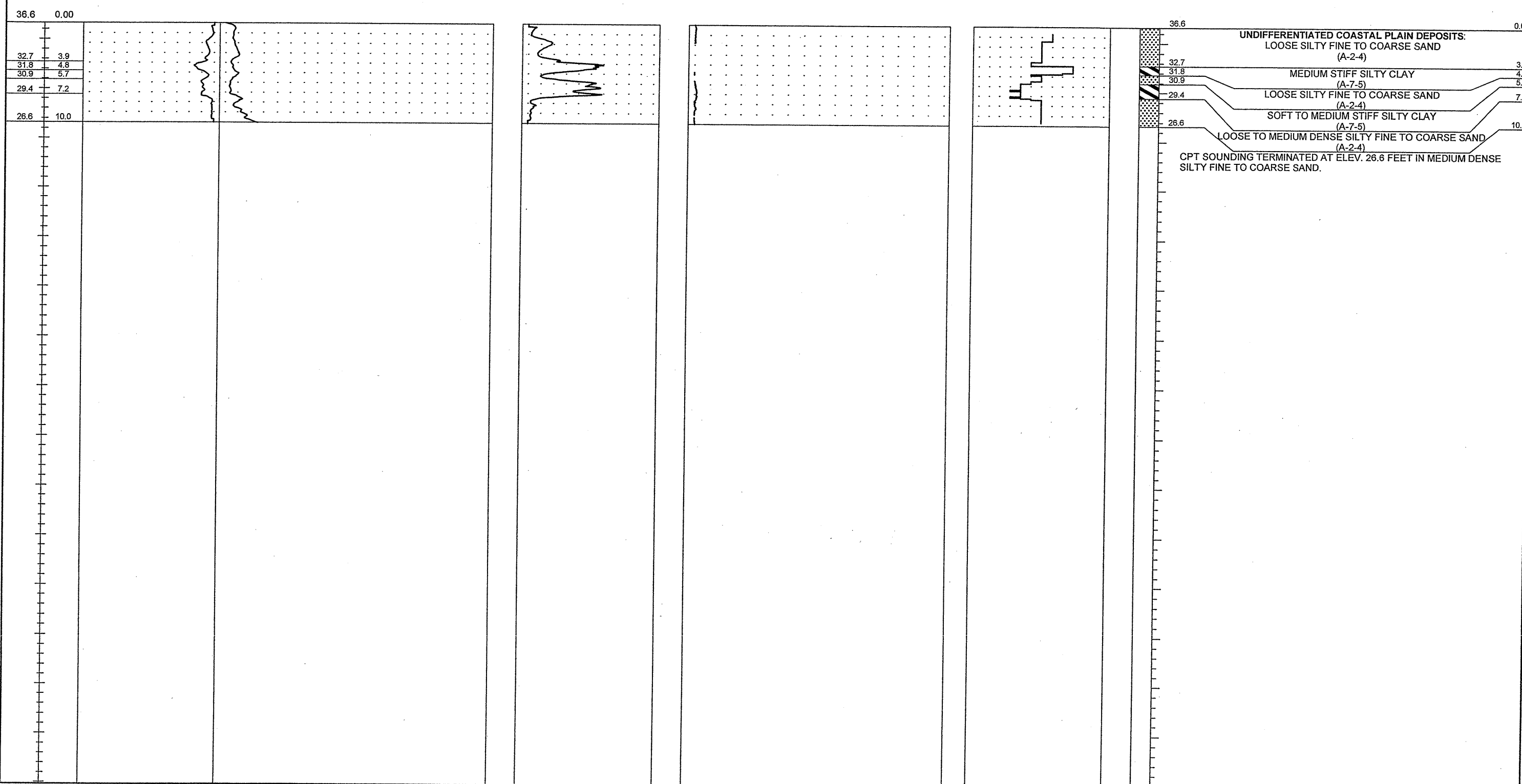
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-211	BORING LOCATION 18+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_B2-	0 HR. N/M	DATE STARTED 10/30/06	COMPLETED 10/30/06
COLLAR ELEV. 37.0 ft	NORTHING 194,091.5	EASTING 2,286,992.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-212	BORING LOCATION 20+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_B2-	0 HR. N/M	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 36.6 ft	NORTHING 194,106.6	EASTING 2,287,190.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

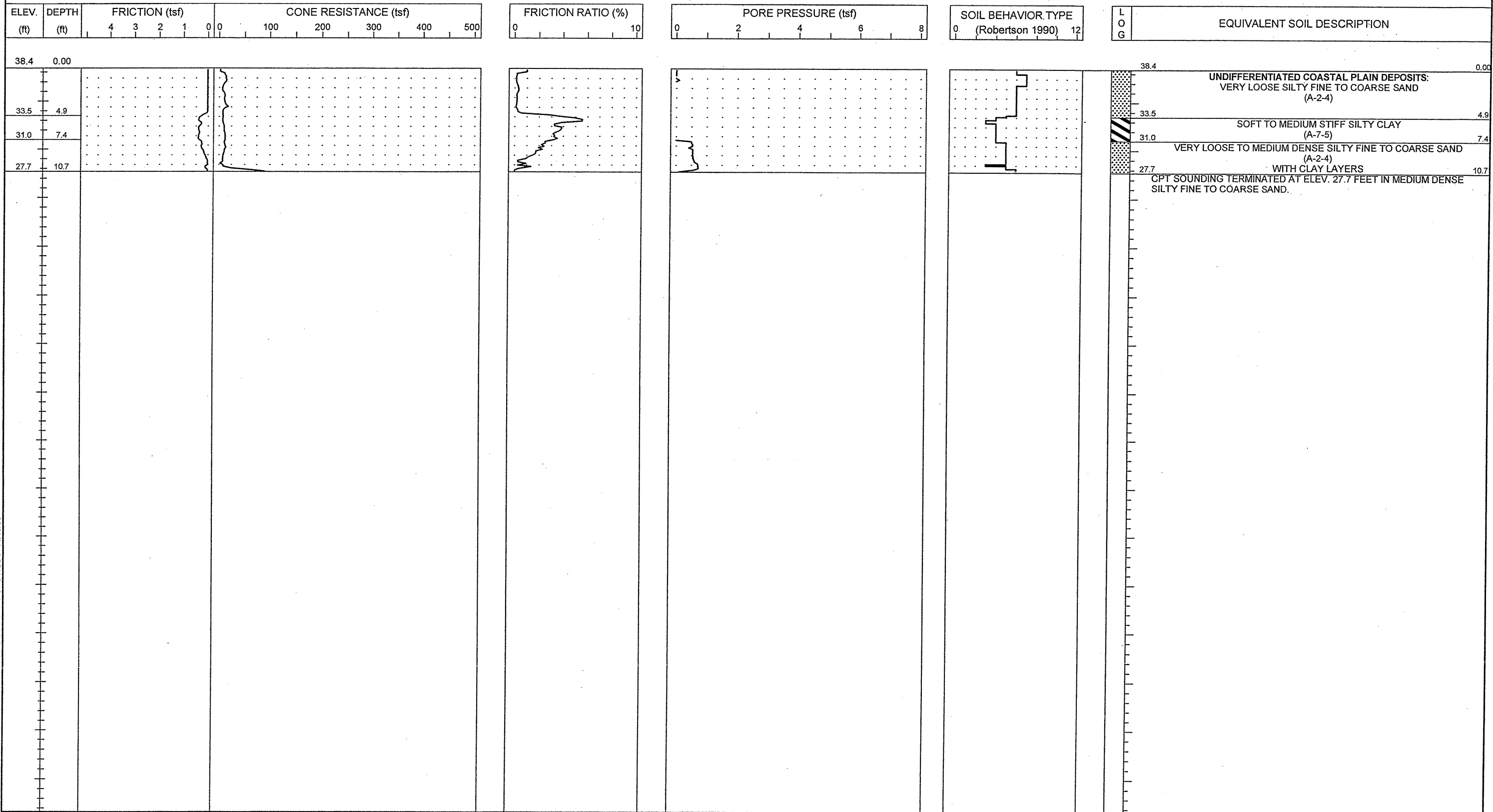
ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
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NCDOT CPT - ENGLISH NO. N60_51-411 6TH CPT.GPJ_NCDOT.GDT 11/9/06



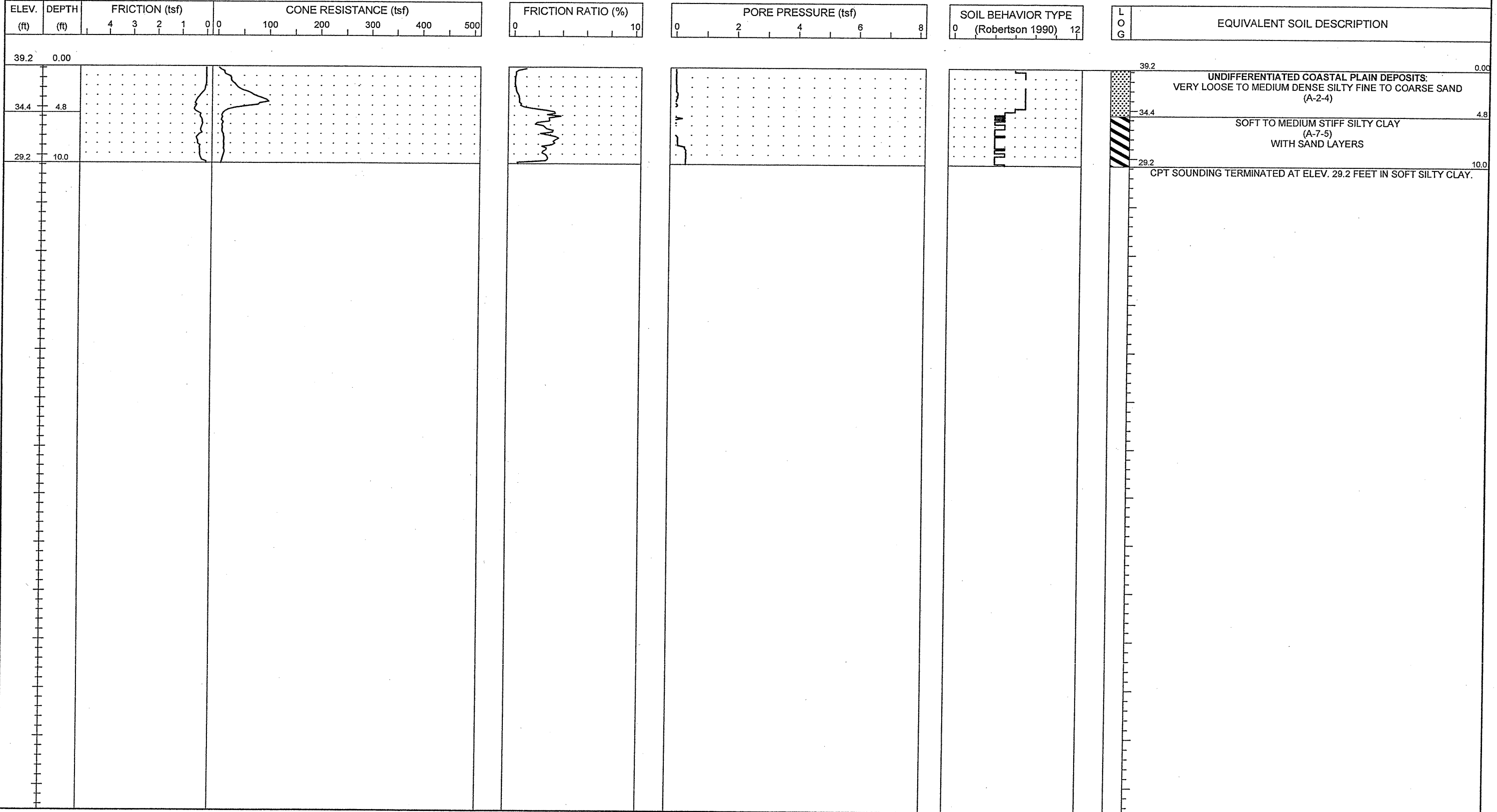
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-214	BORING LOCATION 17+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_2B-	0 HR. N/M	DATE STARTED 10/26/06	COMPLETED 10/26/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 38.4 ft	NORTHING 193,930.9	EASTING 2,286,061.8		24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN		



NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06



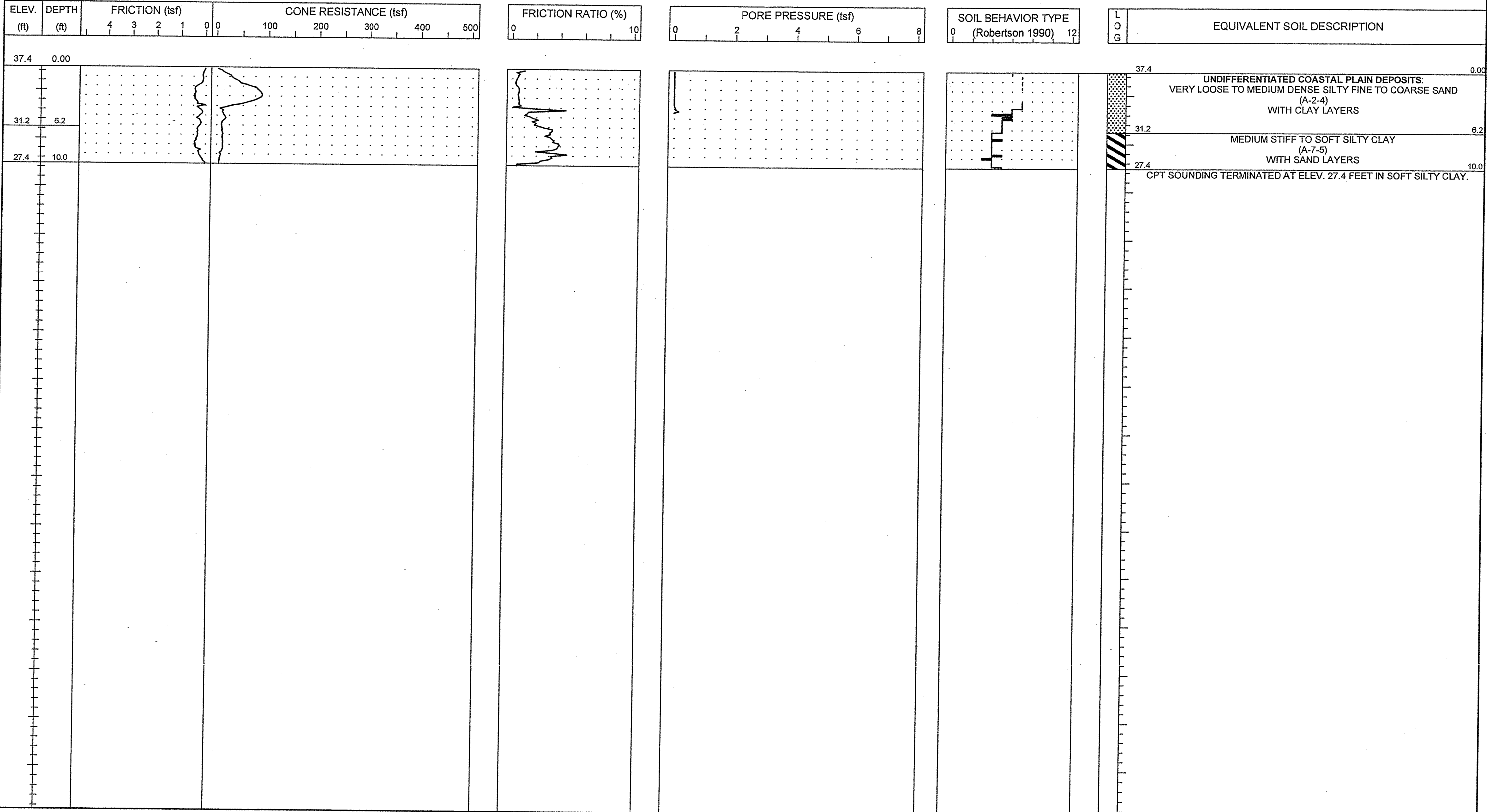
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-215	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_2B-	0 HR. N/M	DATE STARTED 10/26/06	COMPLETED 10/26/06
COLLAR ELEV. 39.2 ft	NORTHING 193,946.0	EASTING 2,286,261.0	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06



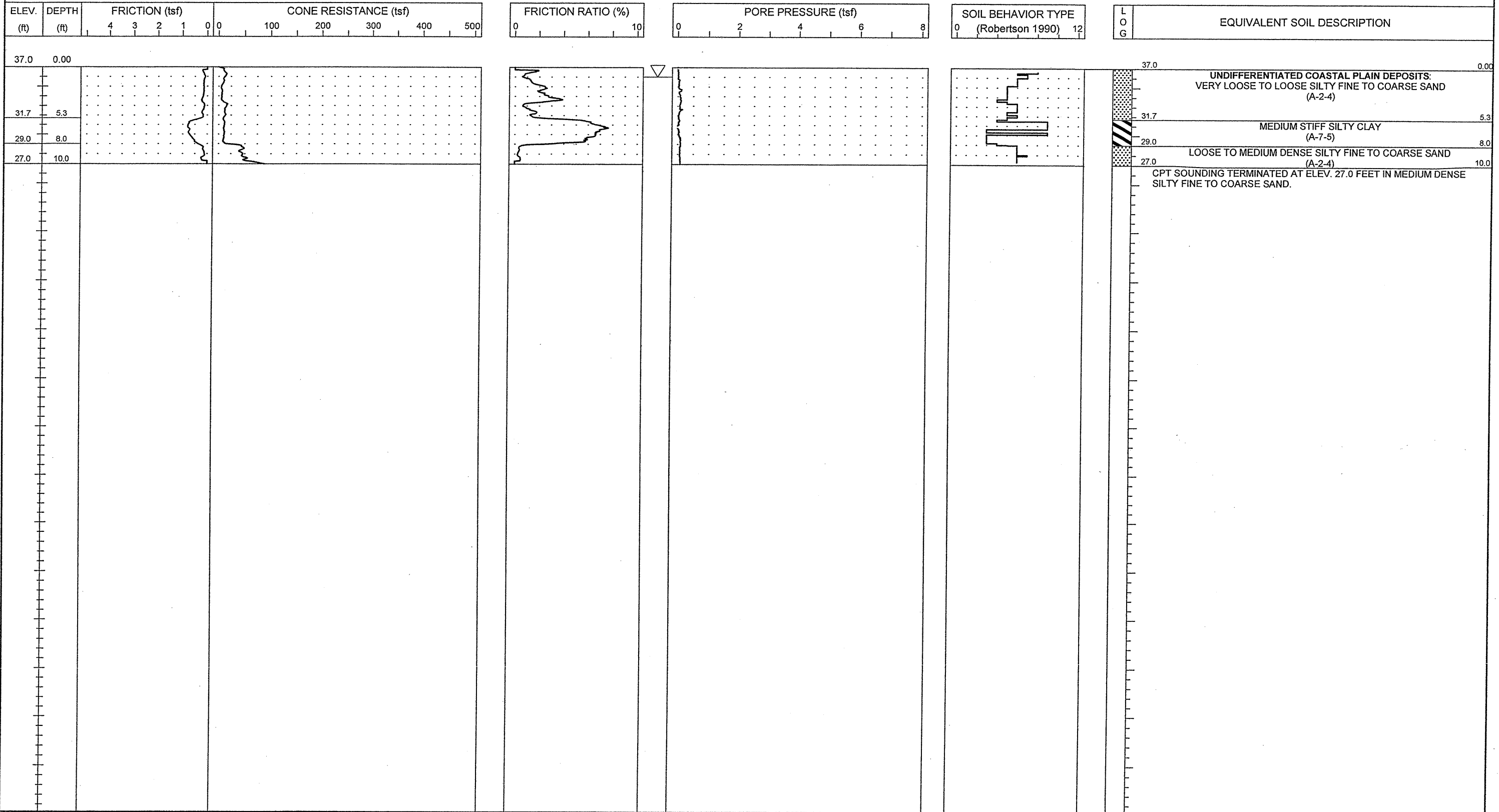
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-216	BORING LOCATION 21+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_2B-	0 HR. N/M	DATE STARTED 10/20/06	COMPLETED 10/20/06
COLLAR ELEV. 37.4 ft	NORTHING 193,988.6	EASTING 2,286,456.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06



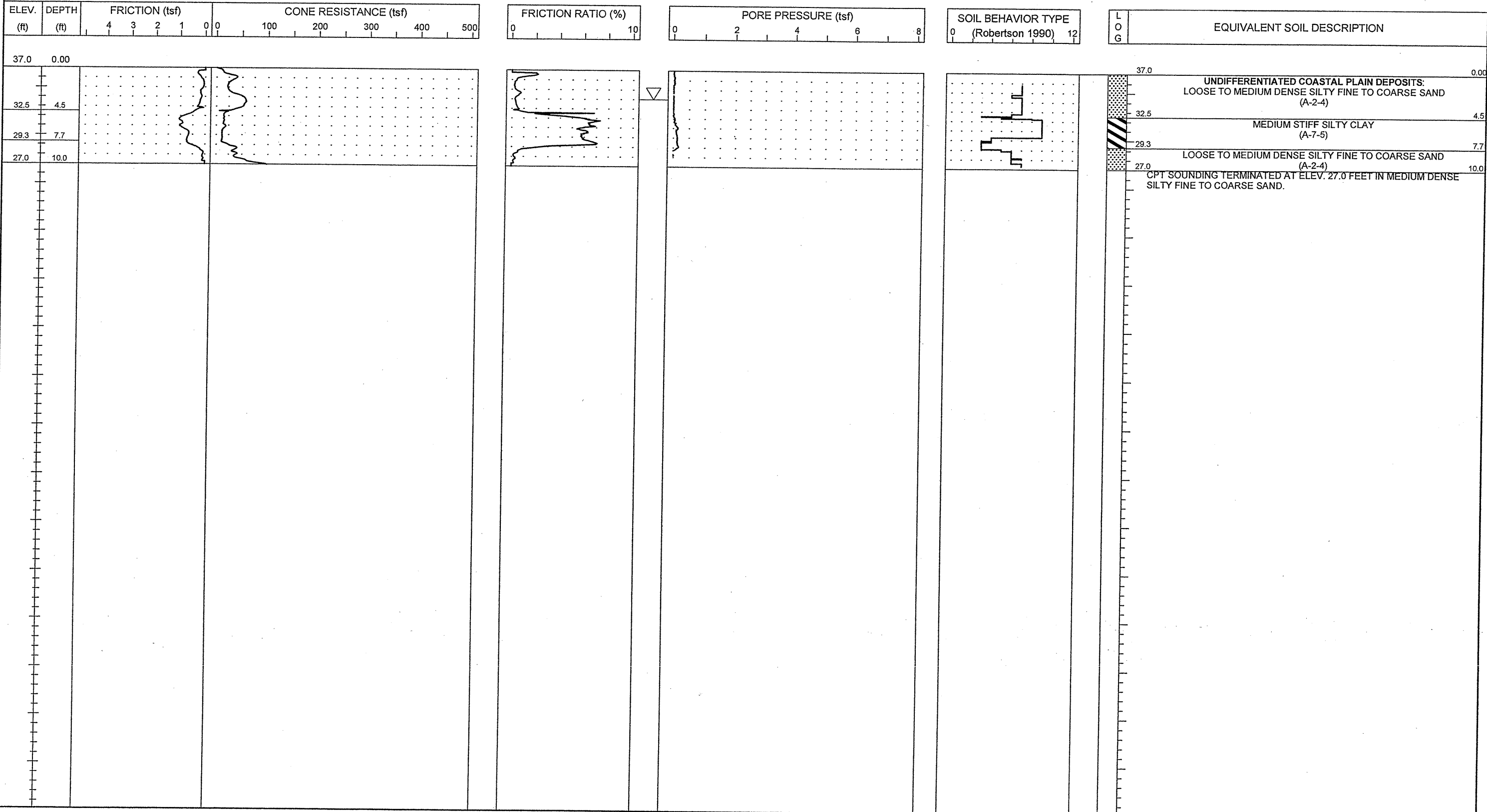
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-217	BORING LOCATION 23+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_2B-	0 HR. 1.0	DATE STARTED 10/30/06	COMPLETED 10/30/06
COLLAR ELEV. 37.0 ft	NORTHING 194,052.0	EASTING 2,286,645.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 5TH CPT.GPJ NCDOT.GDT 11/16/06



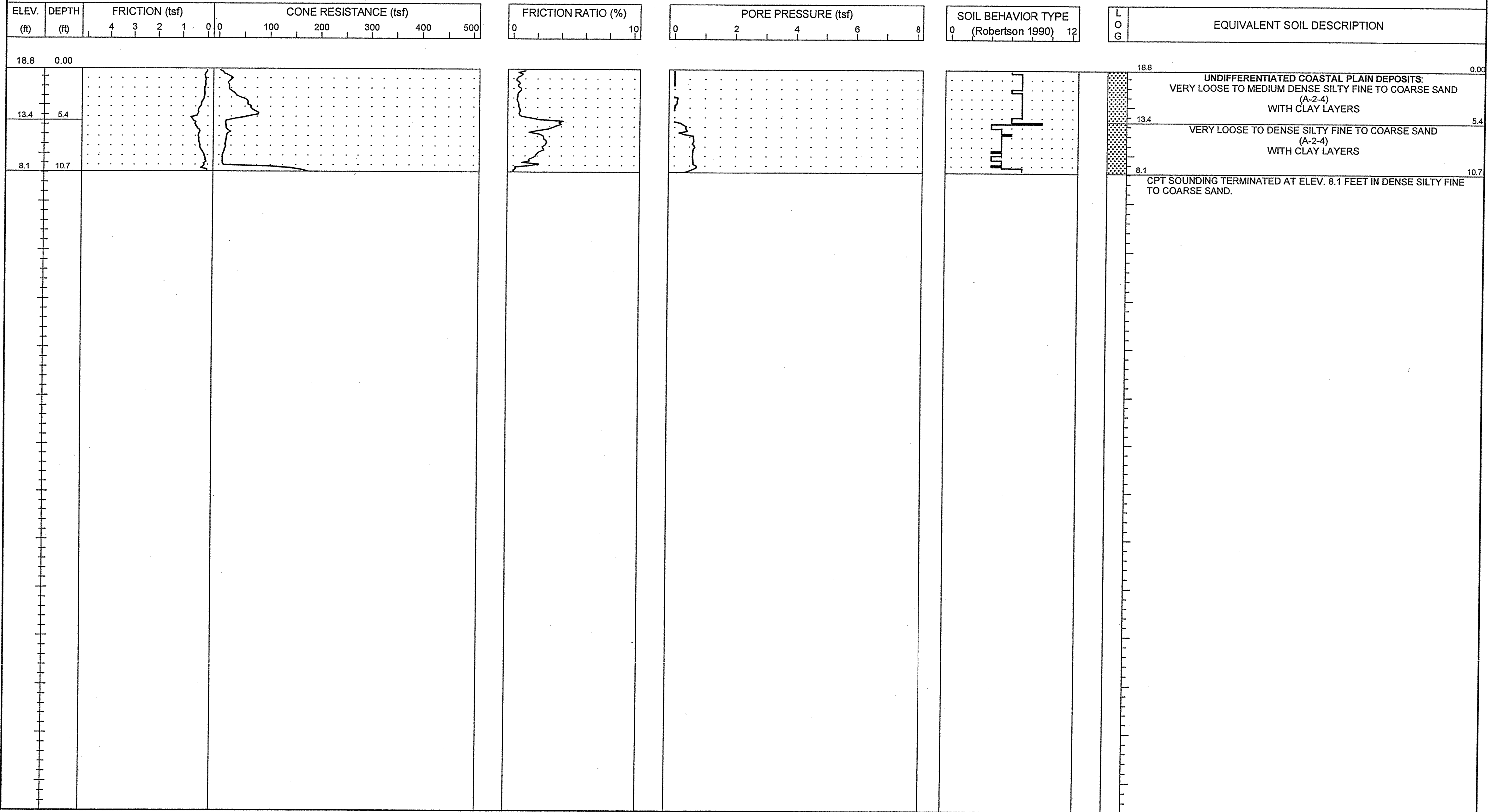
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-218	BORING LOCATION 25+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_2B-	0 HR. 3.0	DATE STARTED 10/30/06	COMPLETED 10/30/06
COLLAR ELEV. 37.0 ft	NORTHING 194,109.6	EASTING 2,286,837.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		



NCDOT CPT - ENGLISH NO N60 51-411 5TH CPT.GPJ NCDOT.GDT 11/16/06

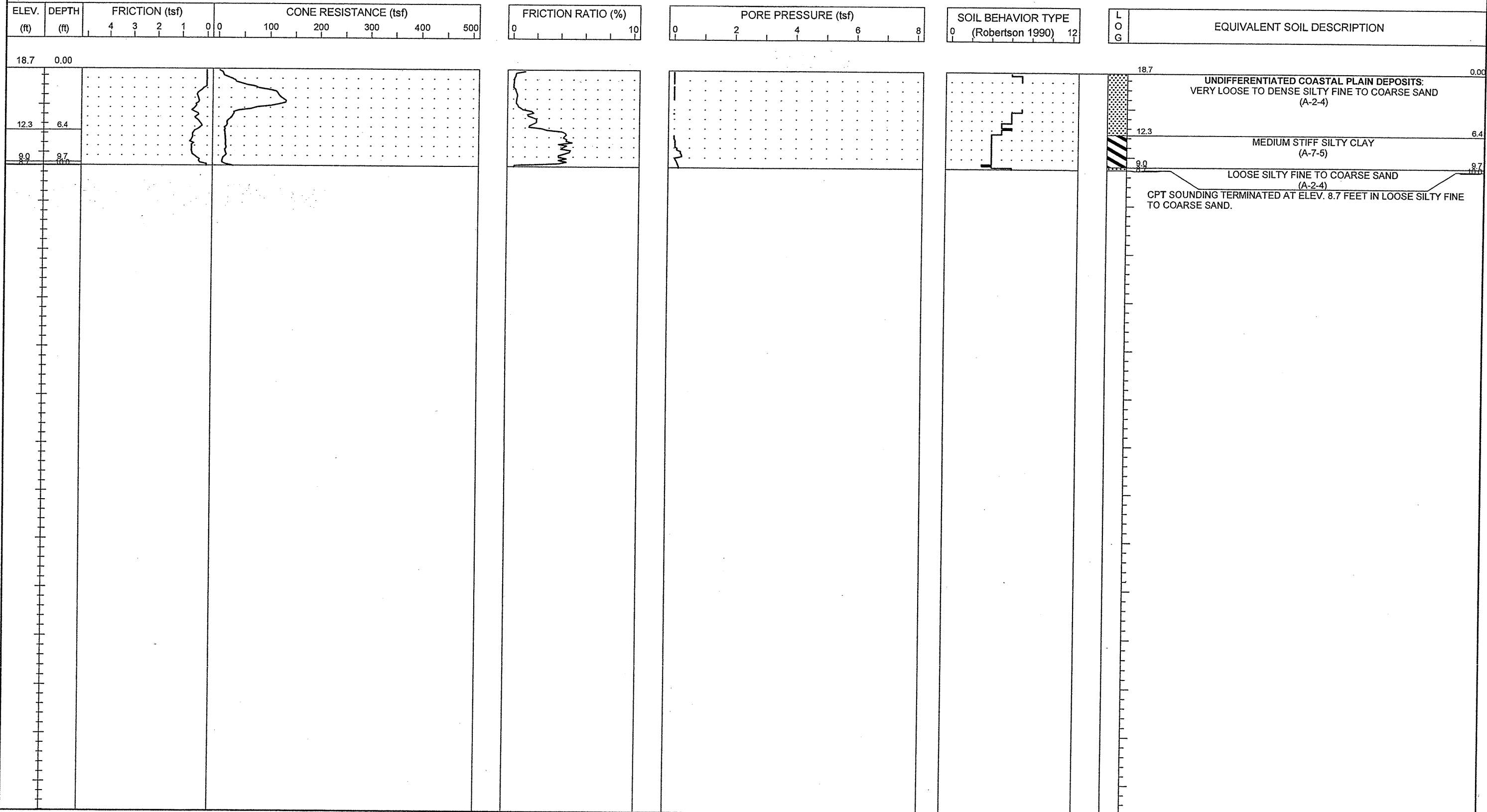


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-221	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C2-	0 HR. N/M	DATE STARTED 10/26/06	COMPLETED 10/26/06
COLLAR ELEV. 18.8 ft	NORTHING 193,754.7	EASTING 2,286,055.4	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



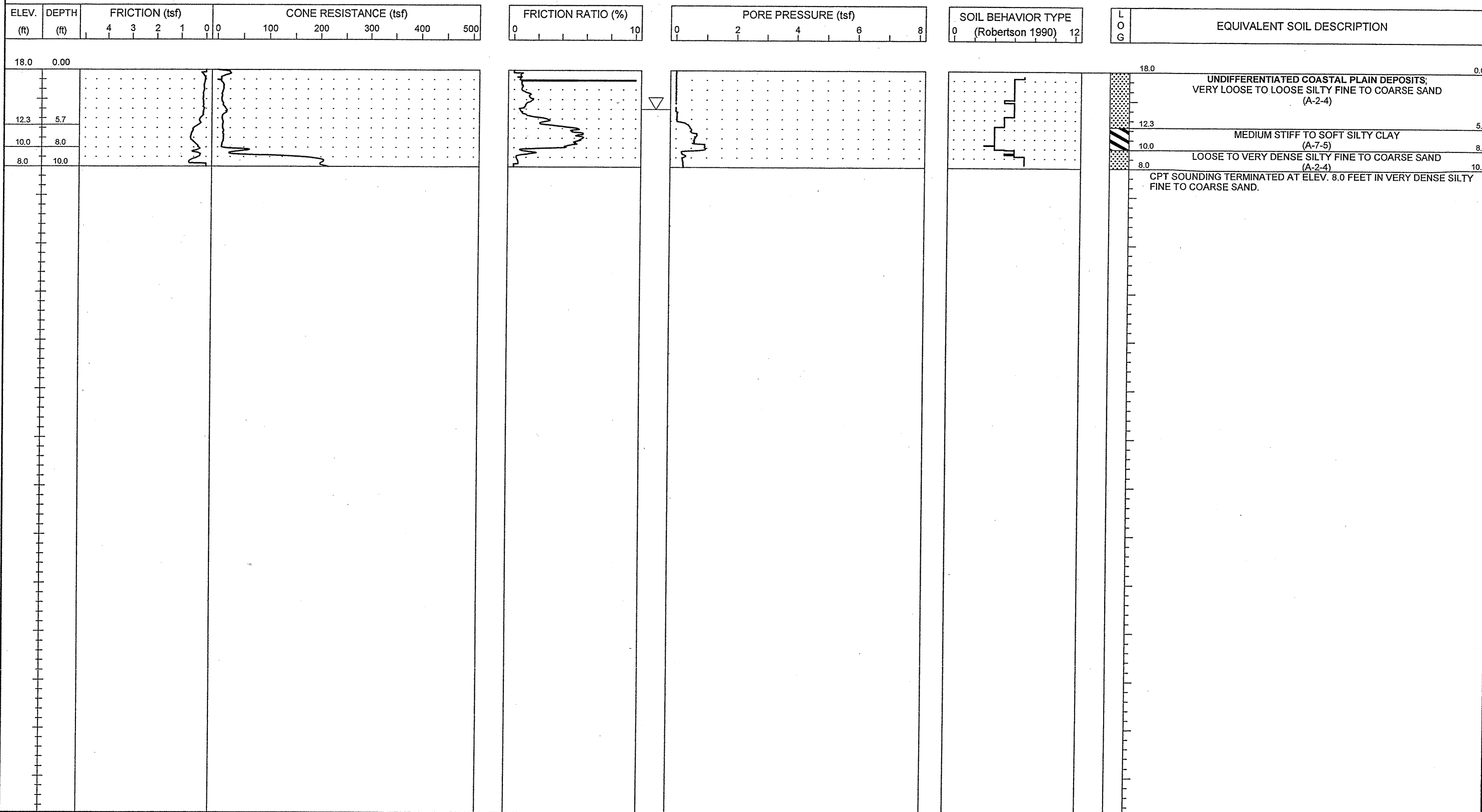


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-222	BORING LOCATION 14+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C2-	0 HR. N/M	DATE STARTED 10/26/06	COMPLETED 10/26/06
COLLAR ELEV. 18.7 ft	NORTHING 193,682.2	EASTING 2,286,241.8	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A





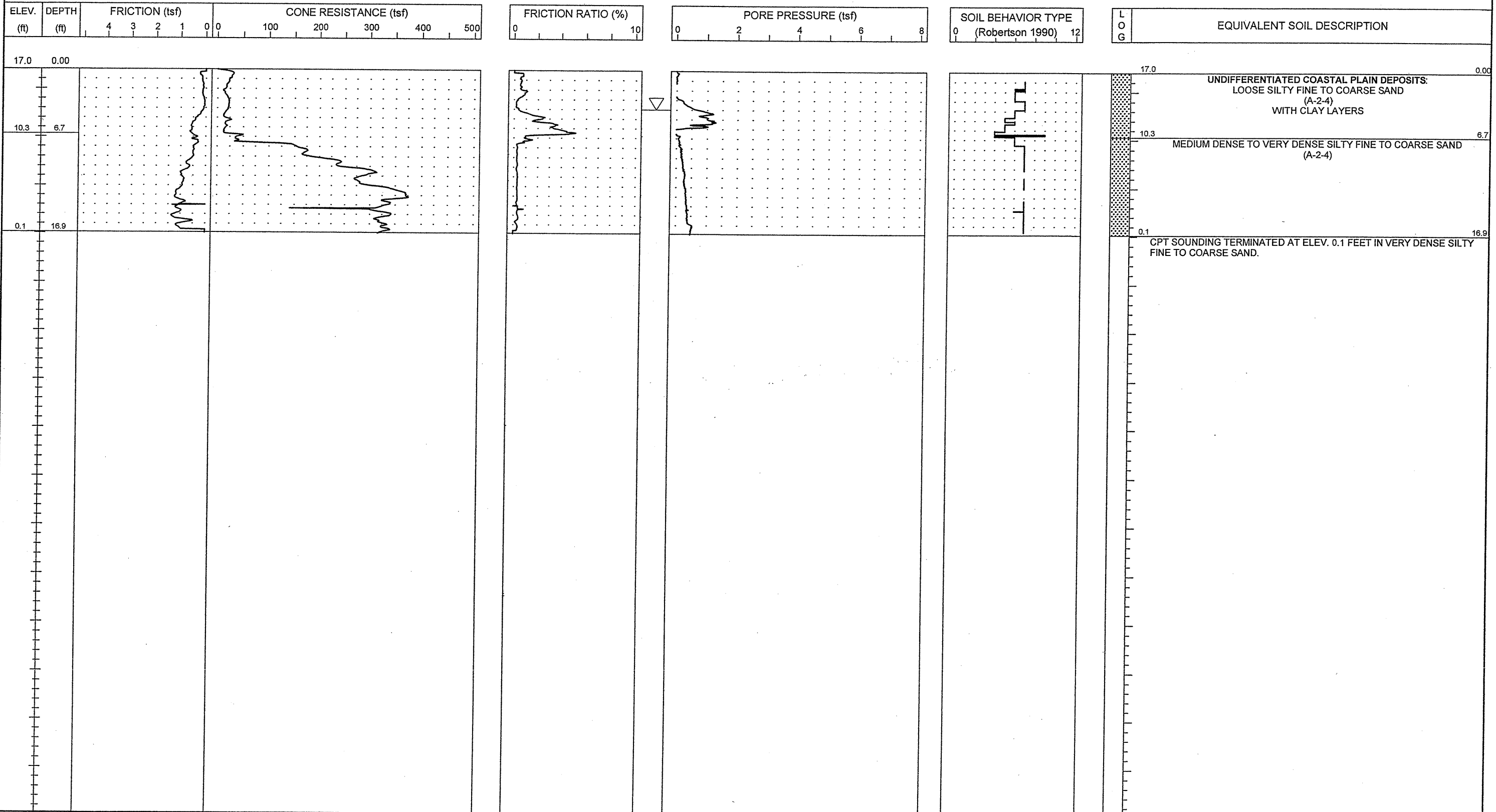
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-223	BORING LOCATION 16+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C2-	0 HR. 4.0	DATE STARTED 10/30/06	COMPLETED 10/30/06
COLLAR ELEV. 18.0 ft	NORTHING 193,587.4	EASTING 2,286,417.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. N60 51-411 5TH CPT.GPJ NCDOT.GDT 11/19/06

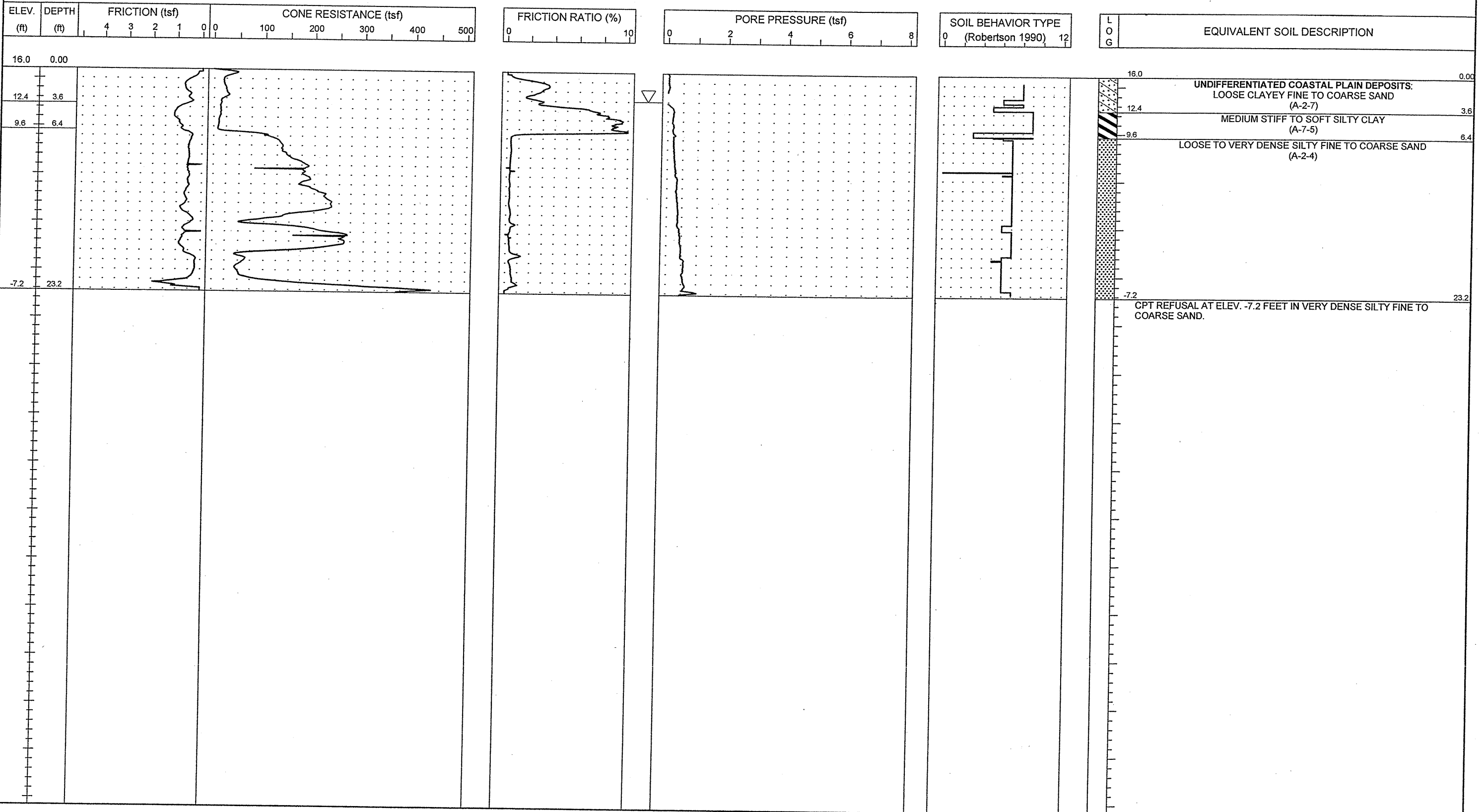


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 16.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-224	BORING LOCATION 18+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C2-	0 HR. 4.0	DATE STARTED 10/30/06	COMPLETED 10/30/06
COLLAR ELEV. 17.0 ft	NORTHING 193,464.8	EASTING 2,286,575.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

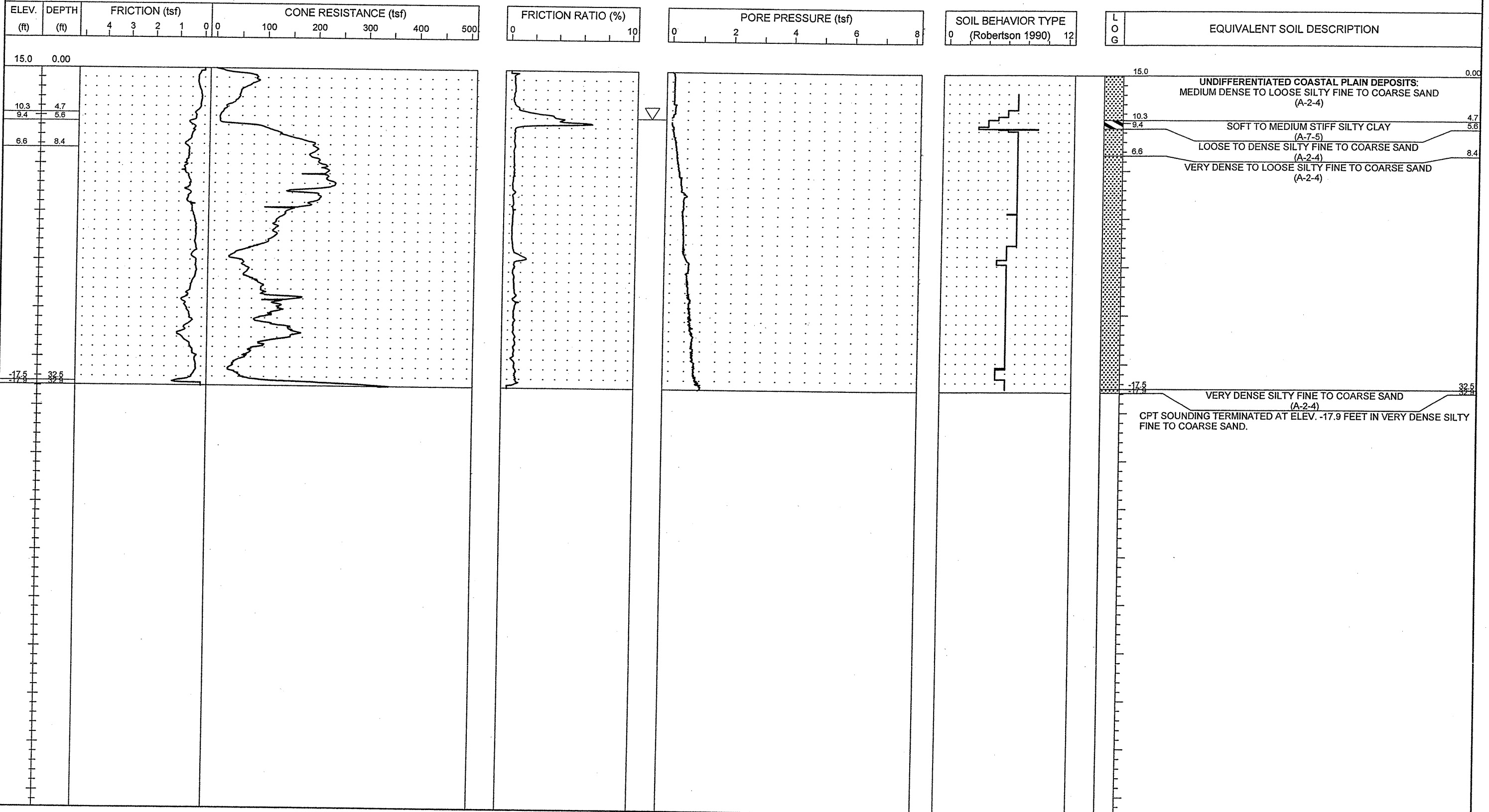


NCDOT CPT - ENGLISH NO. N60_51-411_5TH_CPT.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 23.2 ft	DRILL MACHINE CPT-ATV
BORING NO. C-225	BORING LOCATION 20+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C2-	0 HR. 3.0	DATE STARTED 10/26/06	COMPLETED 10/26/06
COLLAR ELEV. 16.0 ft	NORTHING 193,322.6	EASTING 2,286,715.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



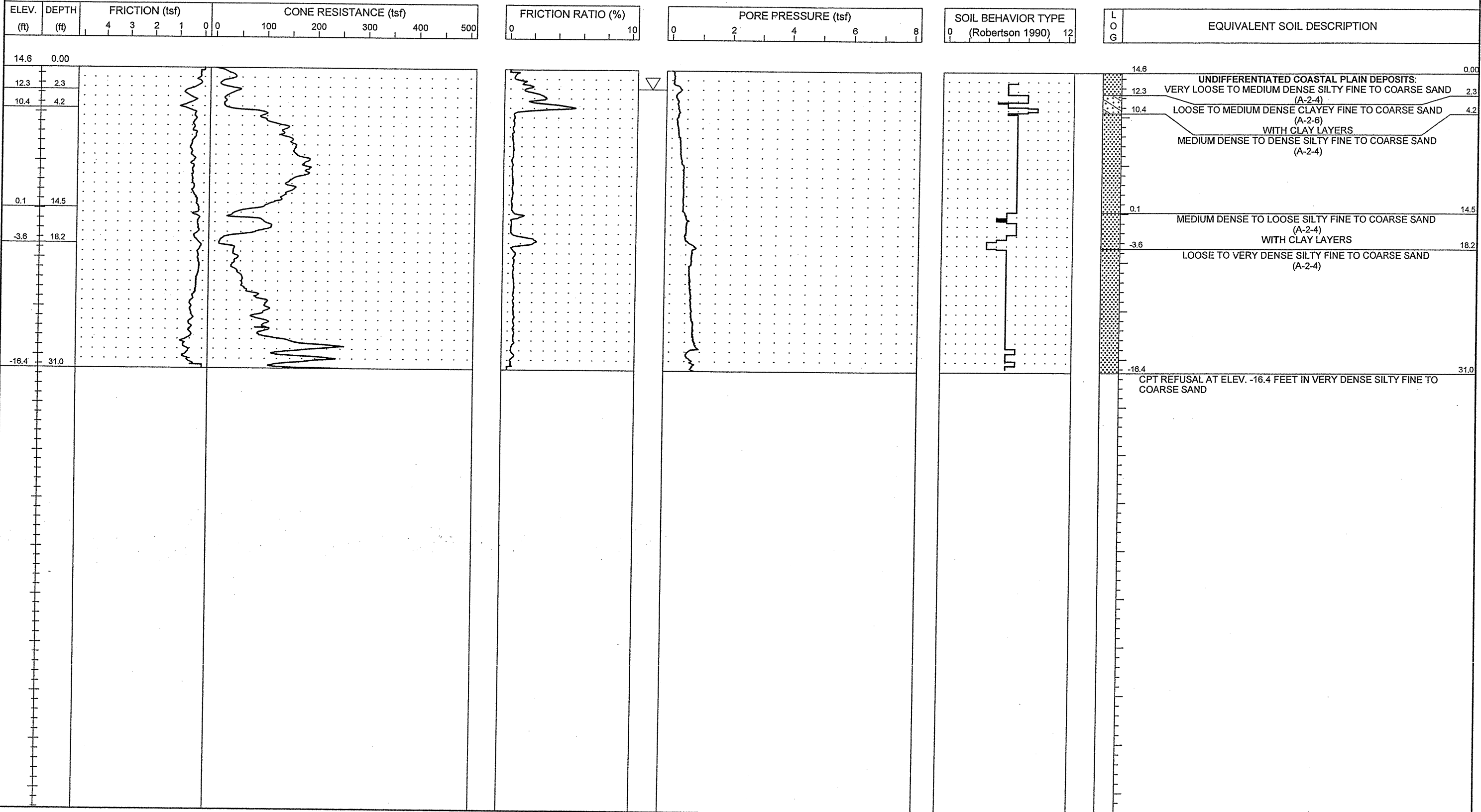
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 32.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-226	BORING LOCATION 22+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C2-	0 HR. 5.0	DATE STARTED	COMPLETED
COLLAR ELEV. 15.0 ft	NORTHING 193,182.9	EASTING 2,286,858.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		



NCDOT CPT - ENGLISH NO N60 51-411 4TH CPT.GPJ NCDOT.GDT 11/16/06



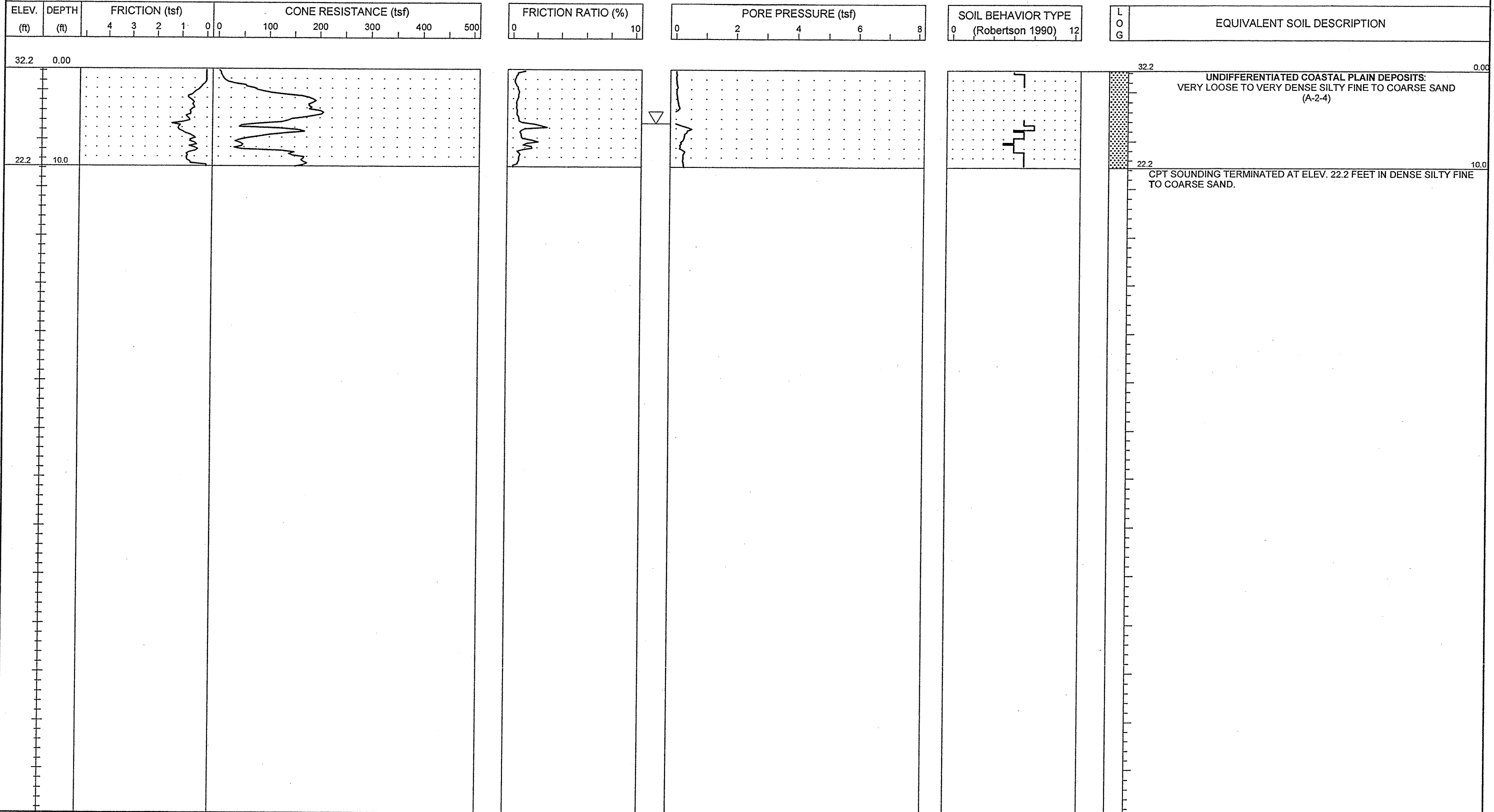
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 31.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-227	BORING LOCATION 24+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C2-	0 HR. 2.0	DATE STARTED 10/26/06	COMPLETED 10/26/06
COLLAR ELEV. 14.6 ft	NORTHING 193,084.4	EASTING 2,287,031.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N80 51-411 4TH CPT.GPJ_NCDOT.GDT 11/16/06

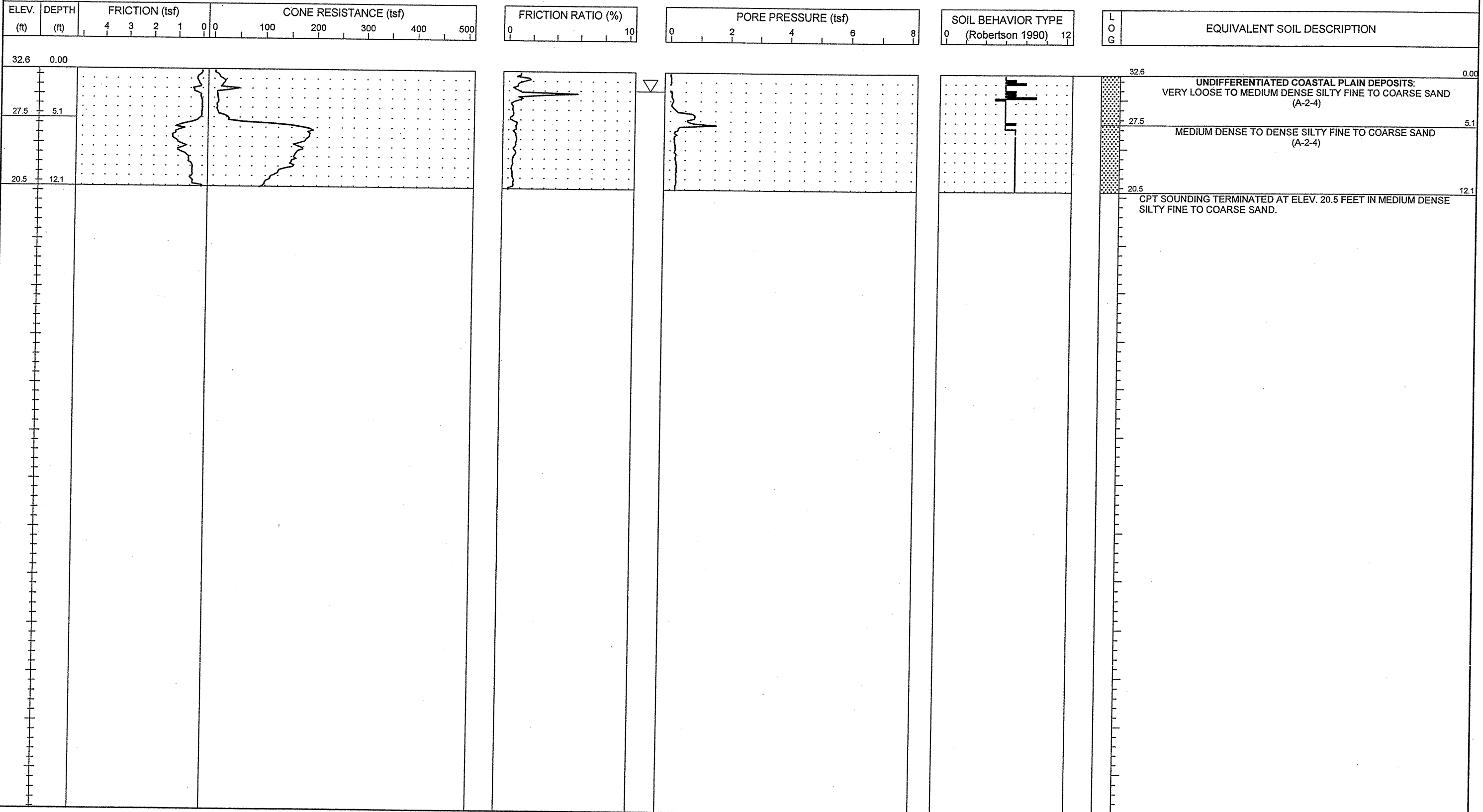


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-228	BORING LOCATION 15+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D2-	0 HR. 5.5	DATE STARTED 10/25/06	COMPLETED 10/25/06
COLLAR ELEV. 32.2 ft	NORTHING 193,090.7	EASTING 2,288,210.4	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



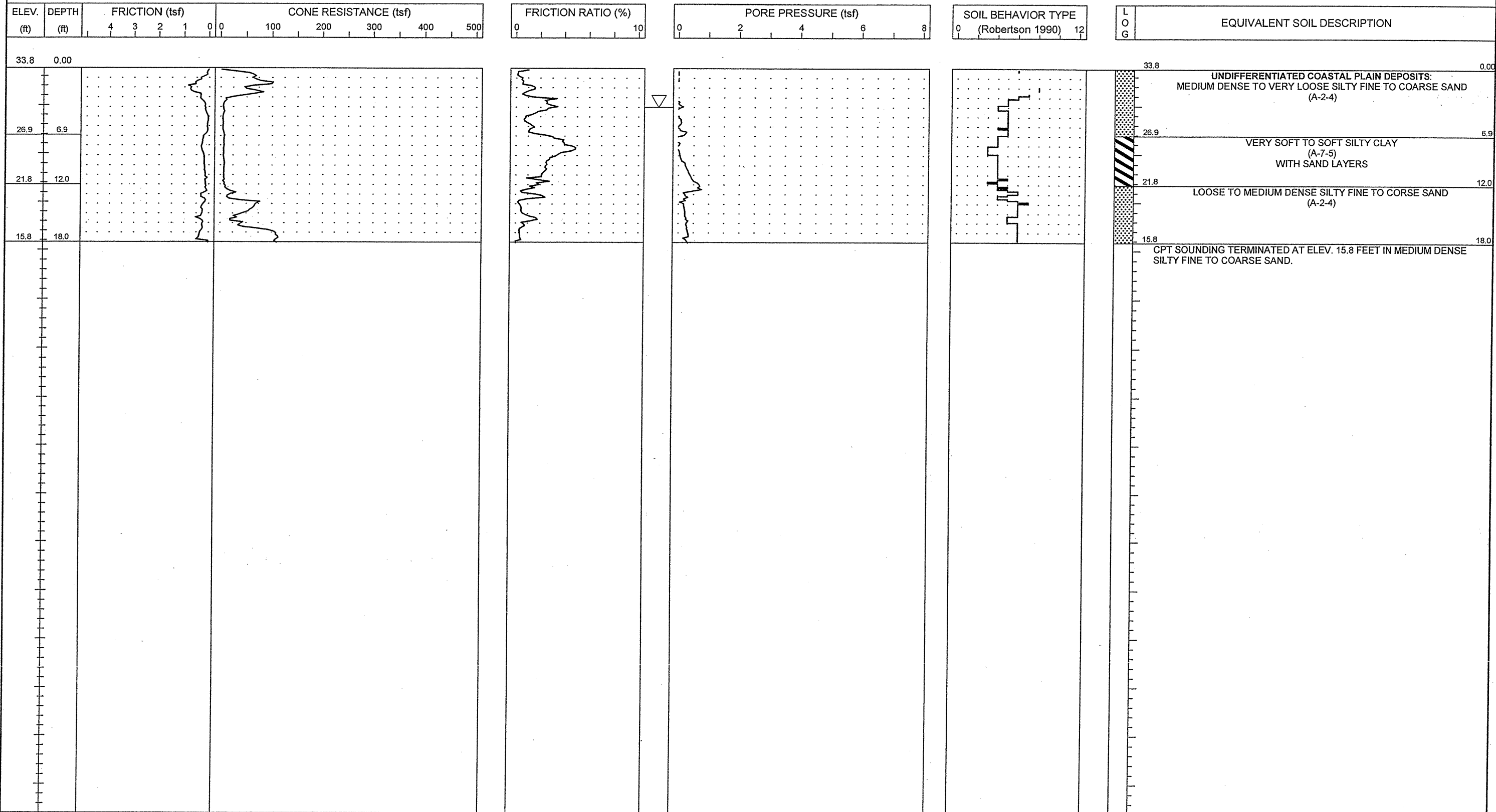
NCDOT CPT - ENGLISH NO N60_51-411 GREGG3.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-229	BORING LOCATION 17-00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D2-	0 HR. 2.0	DATE STARTED 10/25/06	COMPLETED 10/25/06
COLLAR ELEV. 32.6 ft	NORTHING 193,098.5	EASTING 2,288,010.7	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



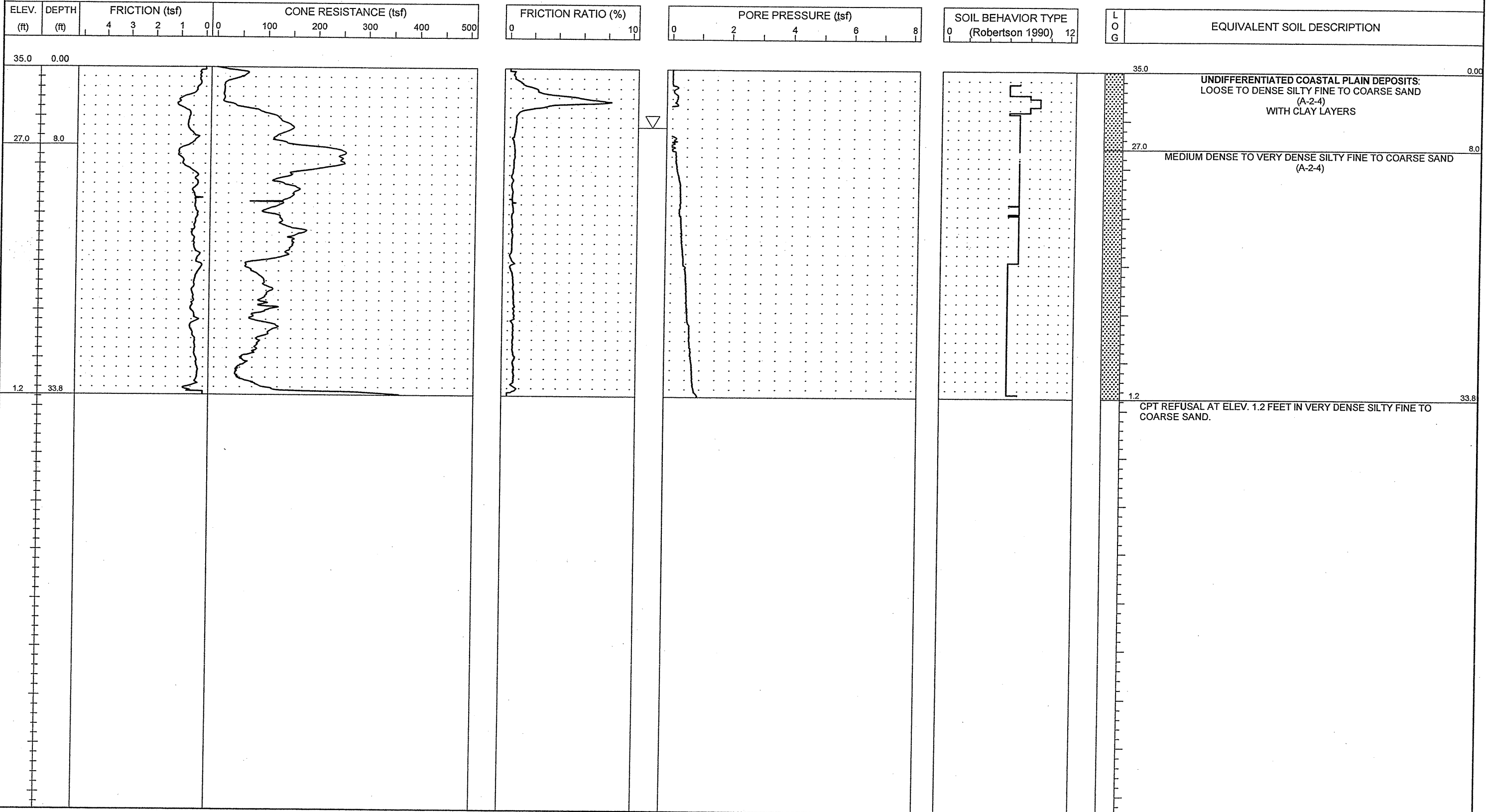


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 18.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-230	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D2-	0 HR. 4.0	DATE STARTED 10/25/06	COMPLETED 10/25/06
COLLAR ELEV. 33.8 ft	NORTHING 193,086.2	EASTING 2,287,811.1	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A



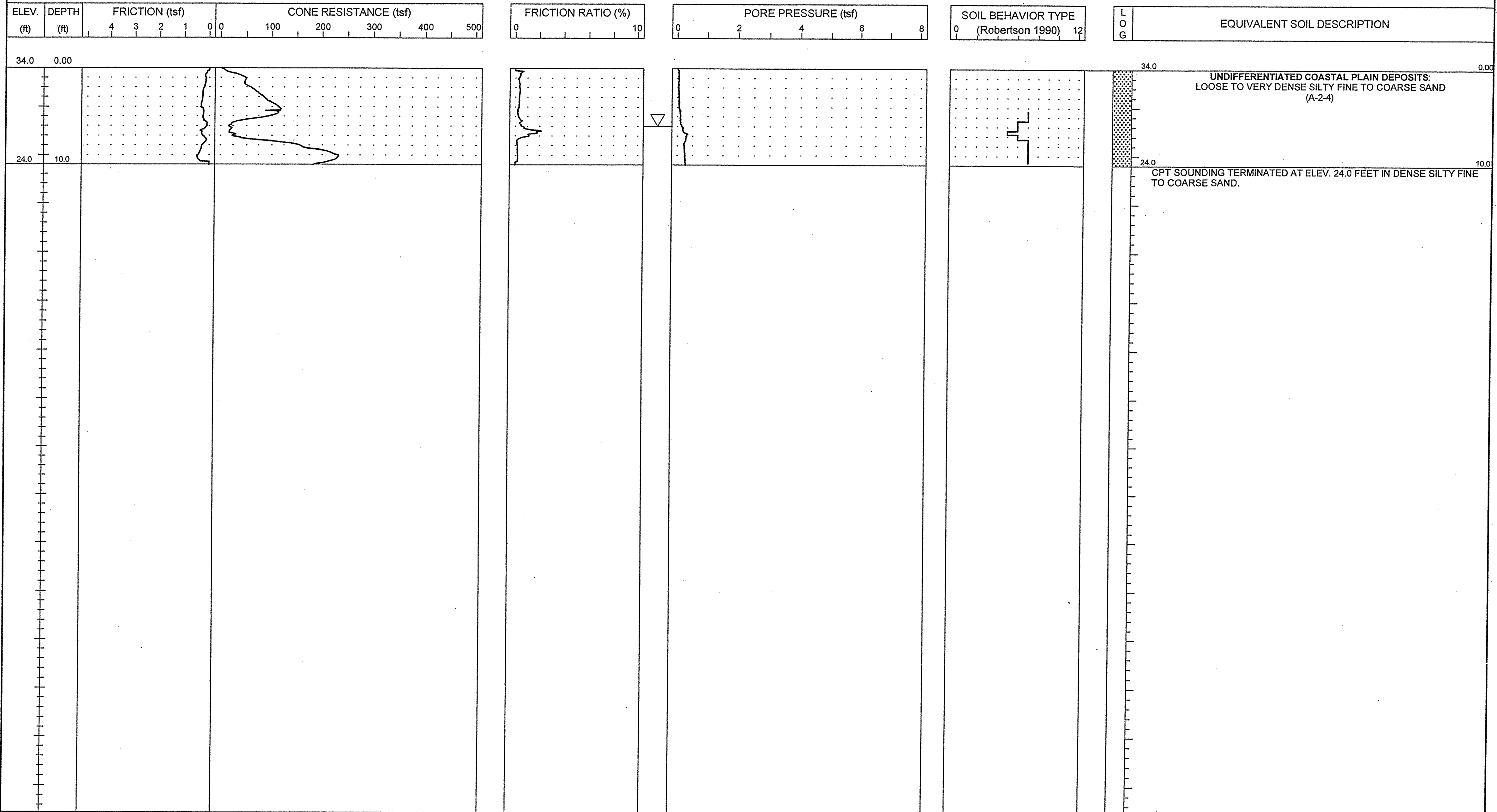
NCDOT CPT - ENGLISH NO N60 51-411 GREGG3.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 33.8 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-232	BORING LOCATION 23+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D2-	0 HR. 6.0	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 35.0 ft	NORTHING 193,042.6	EASTING 2,287,413.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





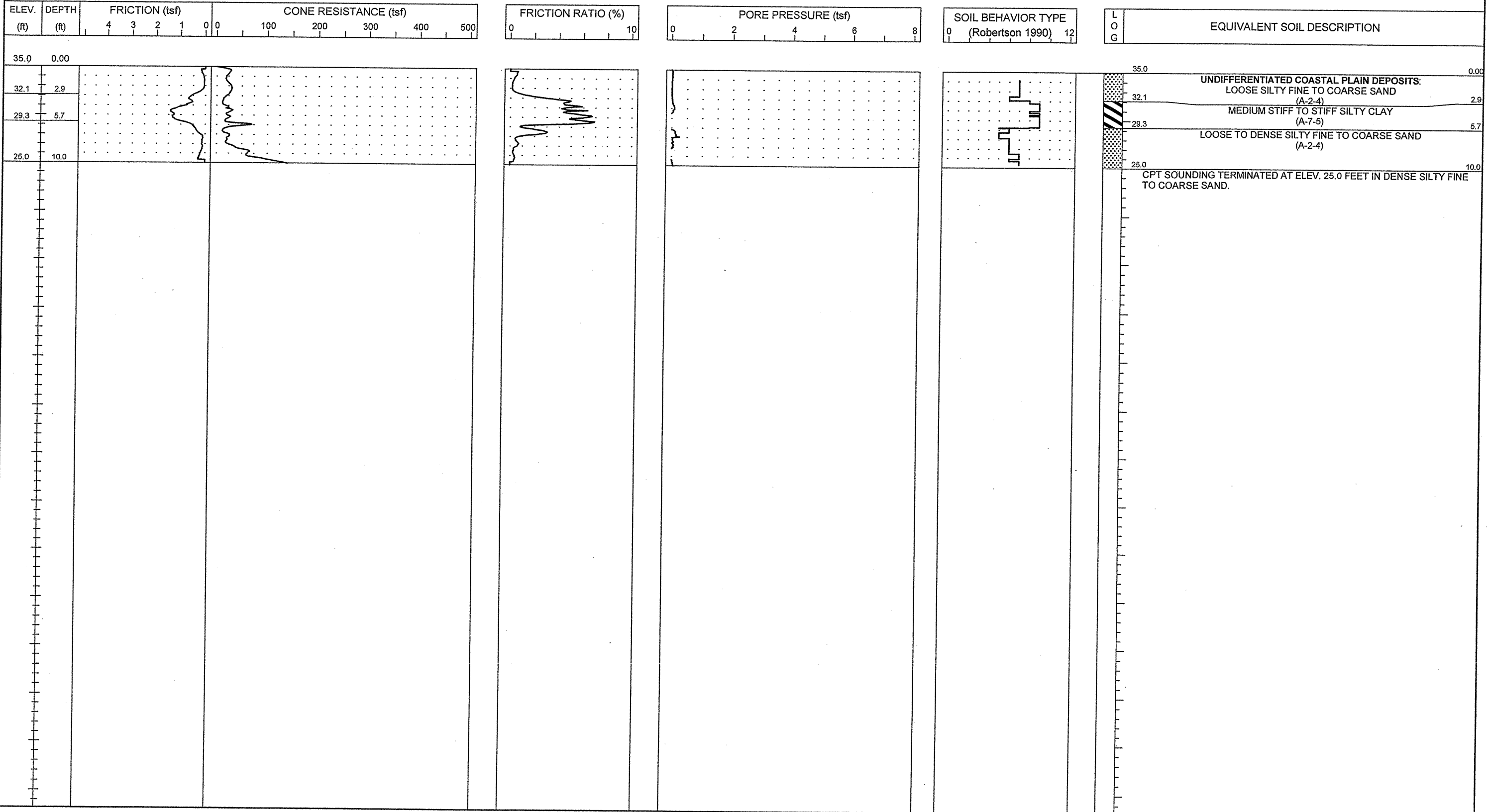
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-235	BORING LOCATION 22+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 6.0	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 34.0 ft	NORTHING 194,415.8	EASTING 2,287,327.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 6TH CPT.GPJ NCDOT.GDT 11/9/06



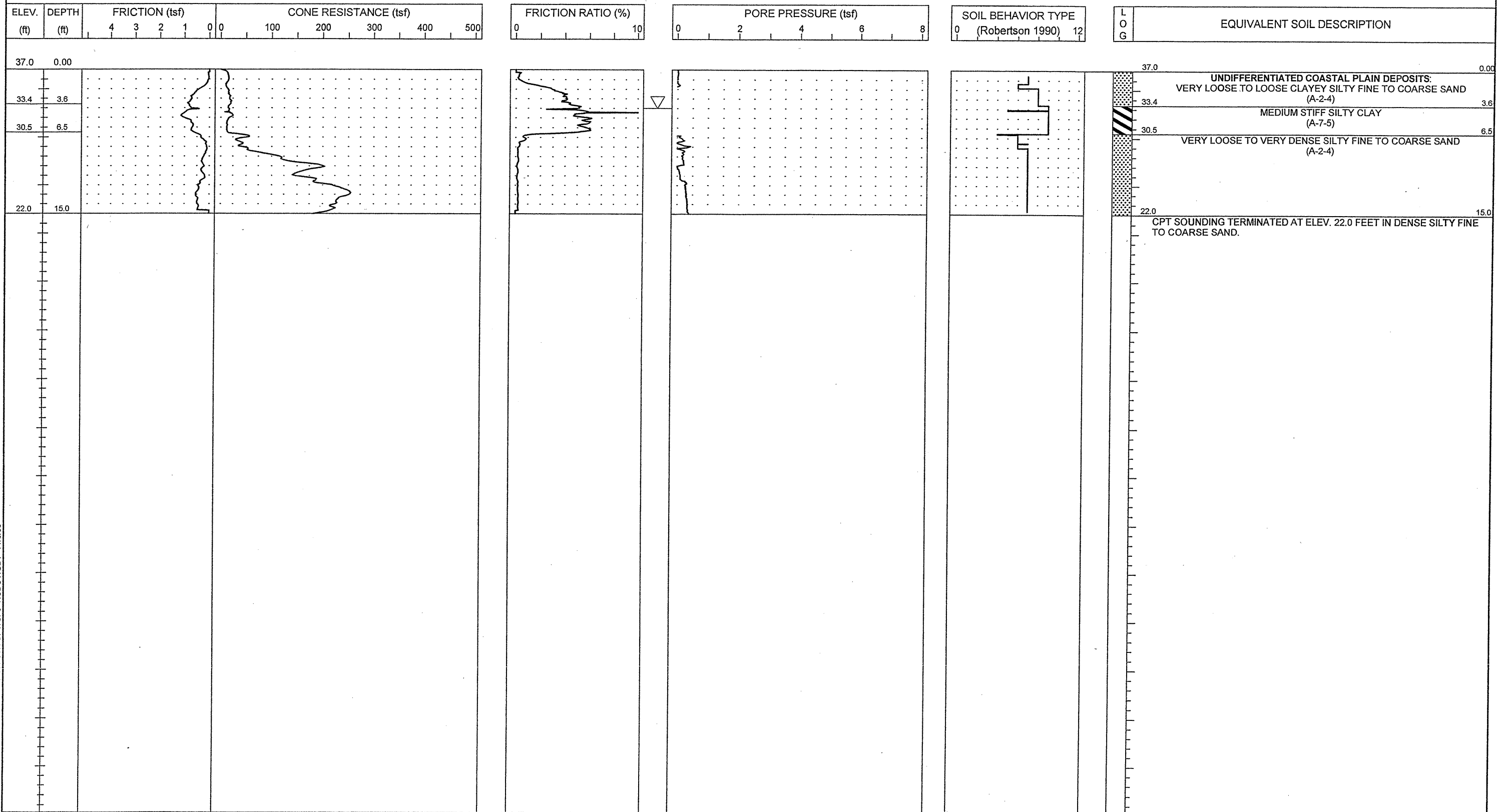
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-236	BORING LOCATION 24+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. N/M	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 35.0 ft	NORTHING 194,216.1	EASTING 2,287,332.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



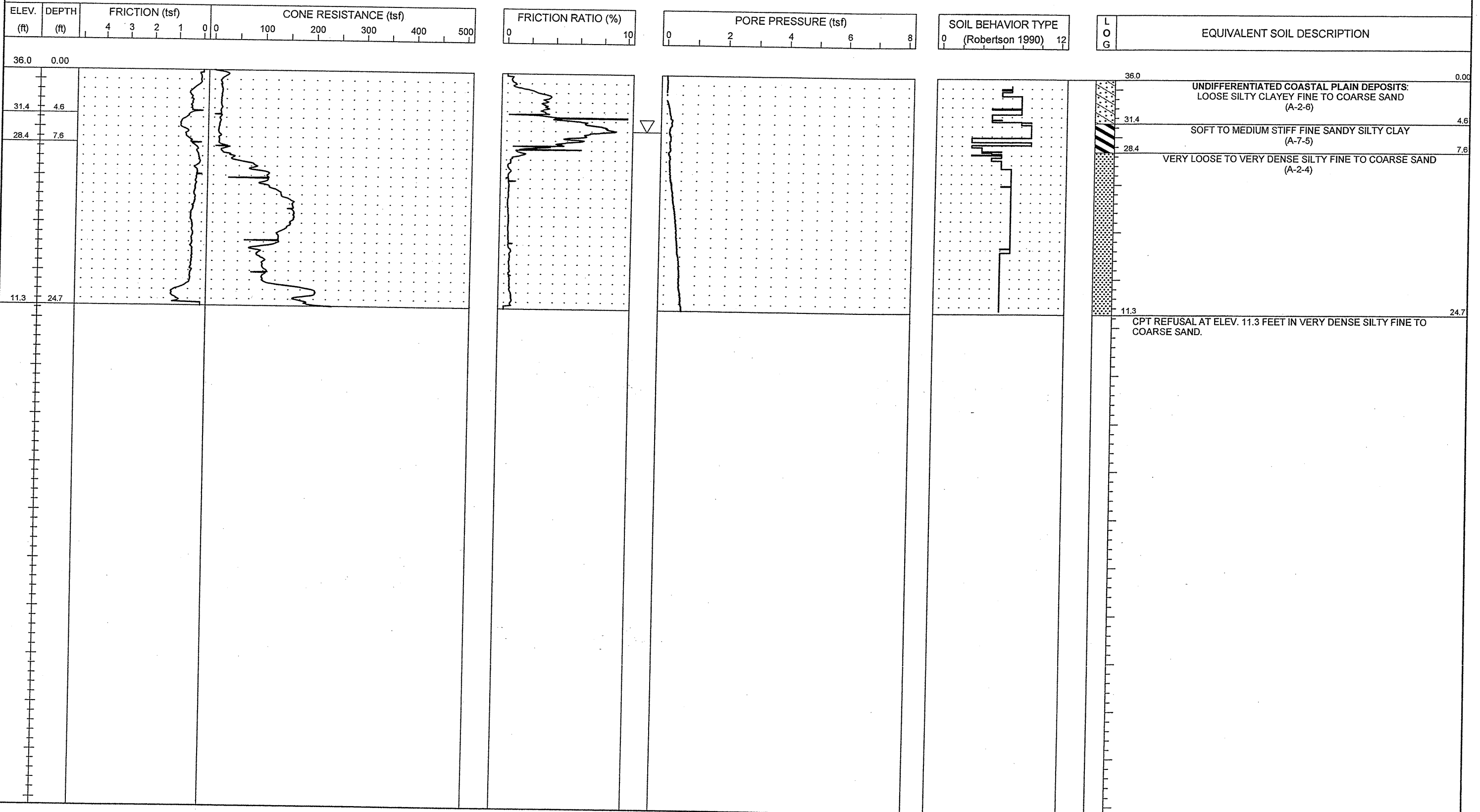
NCDOT CPT - ENGLISH NO N60 51-411 6TH CPT.GPJ NCDOT.GDT 11/9/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 15.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-237	BORING LOCATION 26+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 4.0	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 37.0 ft	NORTHING 194,016.5	EASTING 2,287,319.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

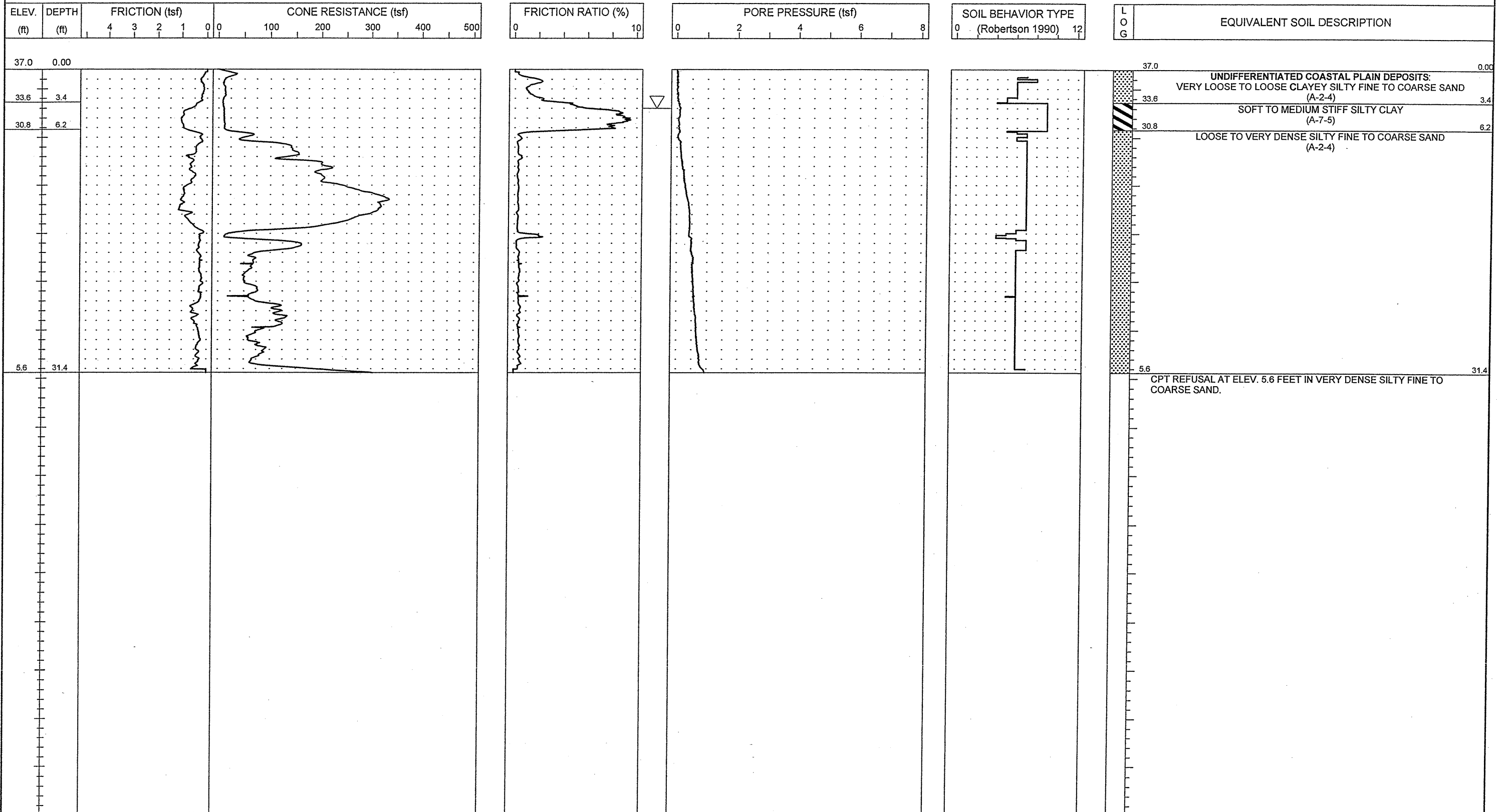


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 24.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-238	BORING LOCATION 28+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 6.0	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 36.0 ft	NORTHING 193,817.1	EASTING 2,287,303.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





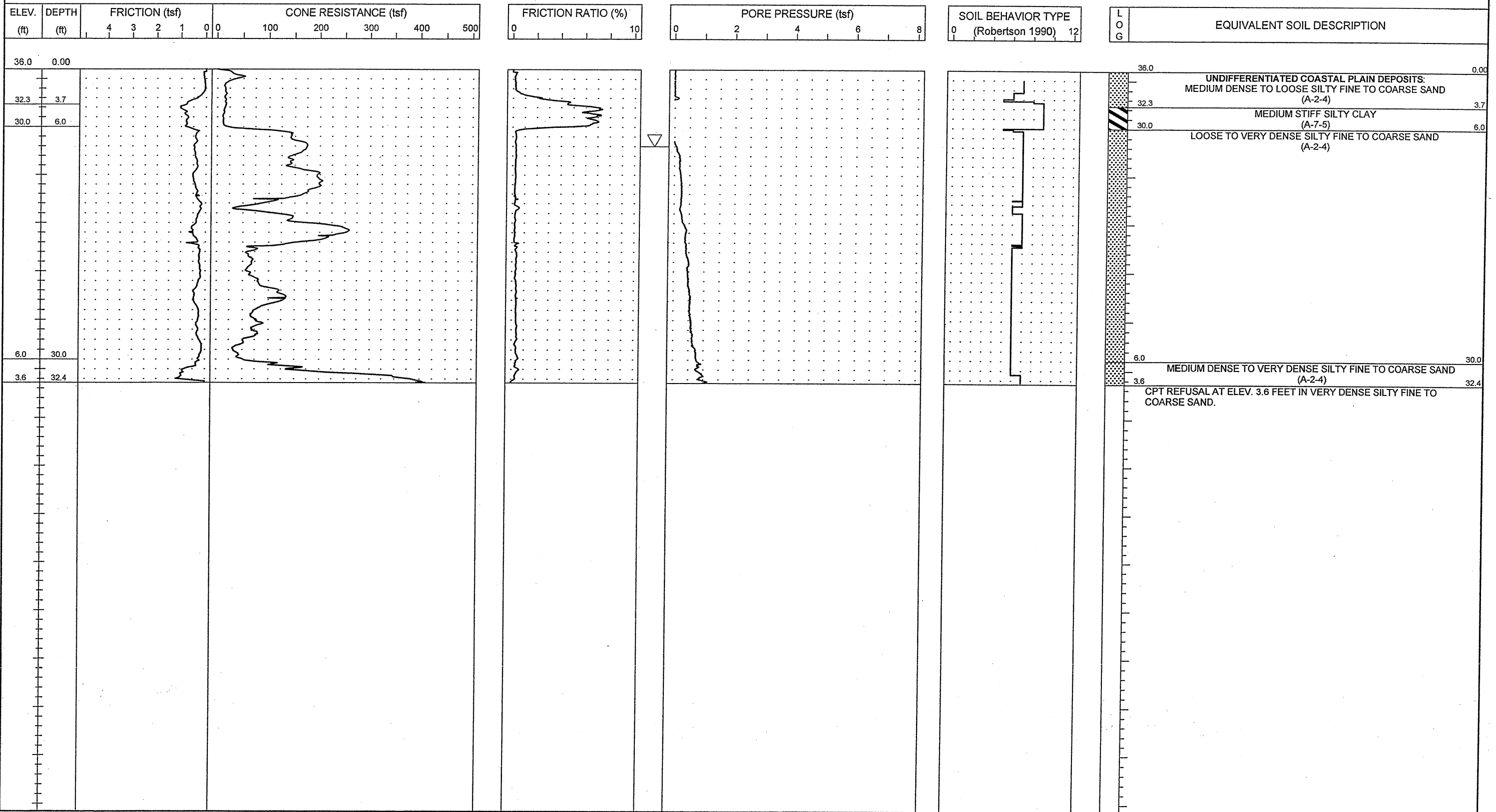
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 31.4 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-239	BORING LOCATION 30+63	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 4.0	DATE STARTED 10/31/06	COMPLETED 10/31/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 37.0 ft	NORTHING 193,554.8	EASTING 2,287,285.2		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO N60 51-411.6TH CPT.GPJ NCDOT.GDT 11/9/06

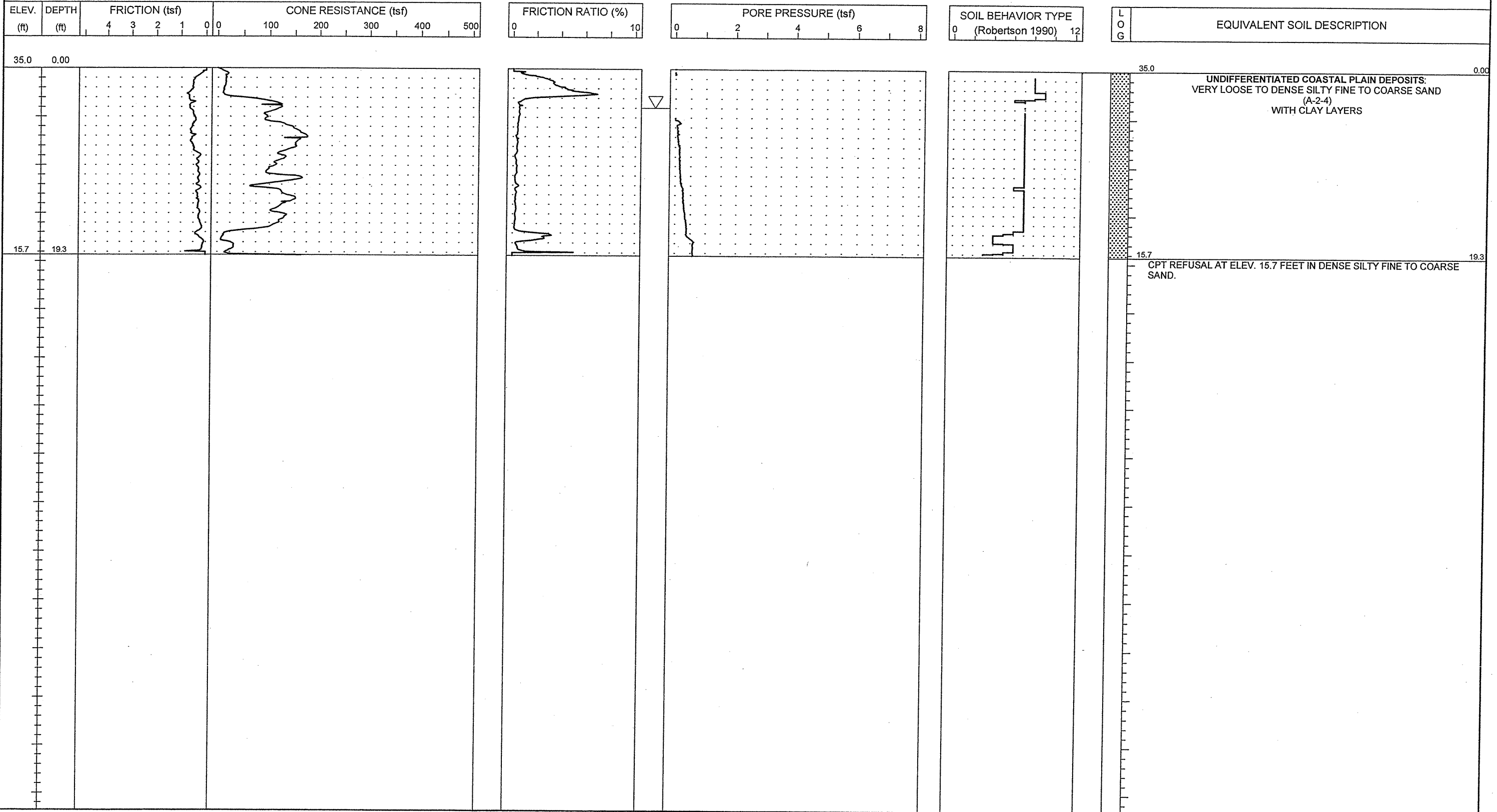


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 32.4 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-240	BORING LOCATION 32+75	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 8.0	DATE STARTED 10/26/06	COMPLETED 10/26/06
COLLAR ELEV. 36.0 ft	NORTHING 193,342.9	EASTING 2,287,278.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

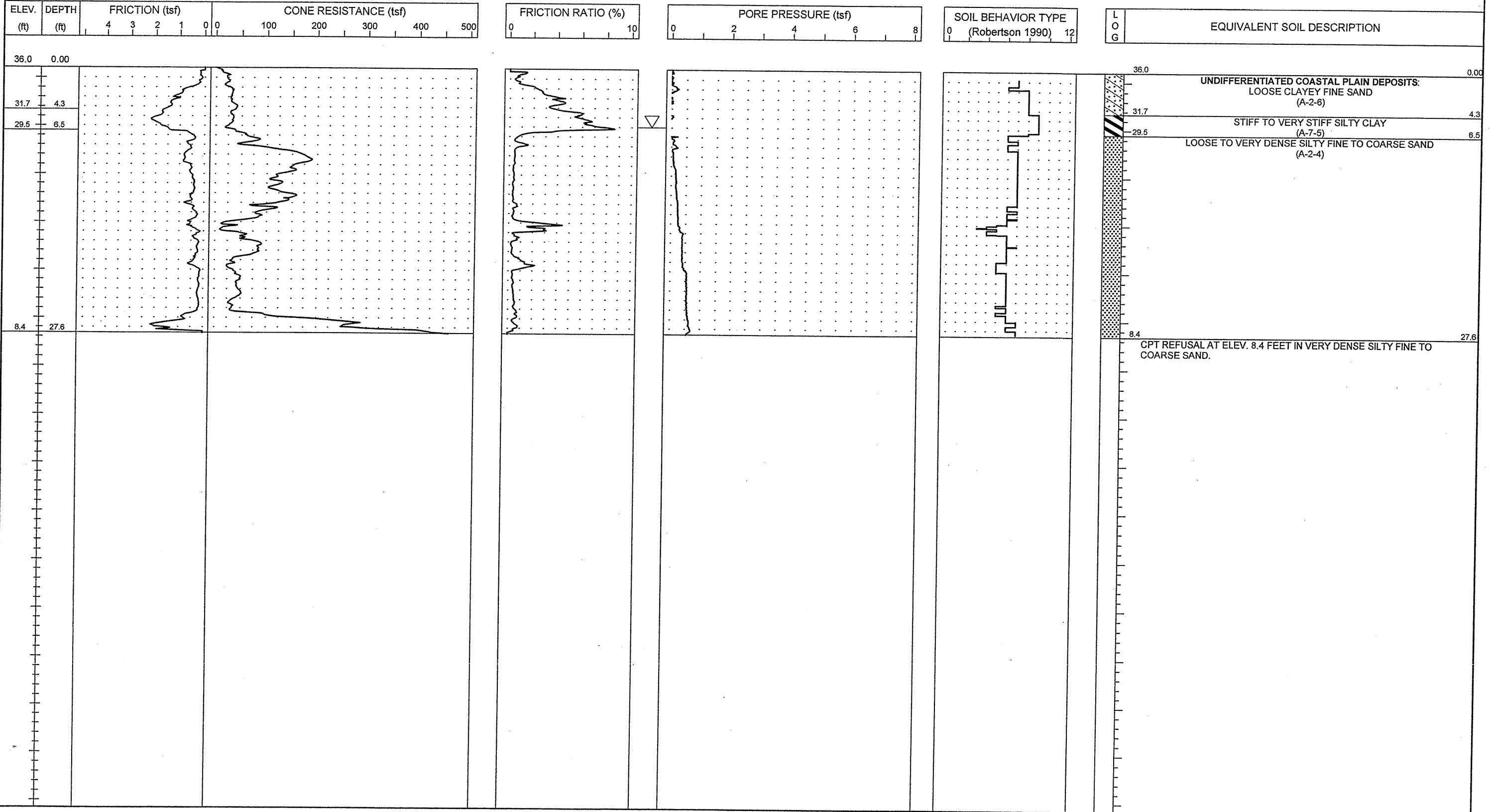


NCDOT CPT - ENGLISH NO. N60 51-411 4TH CPT.GPJ NCDOT.GDT 11/16/08

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 19.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-242	BORING LOCATION 36+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 4.0	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 35.0 ft	NORTHING 193,018.0	EASTING 2,287,282.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

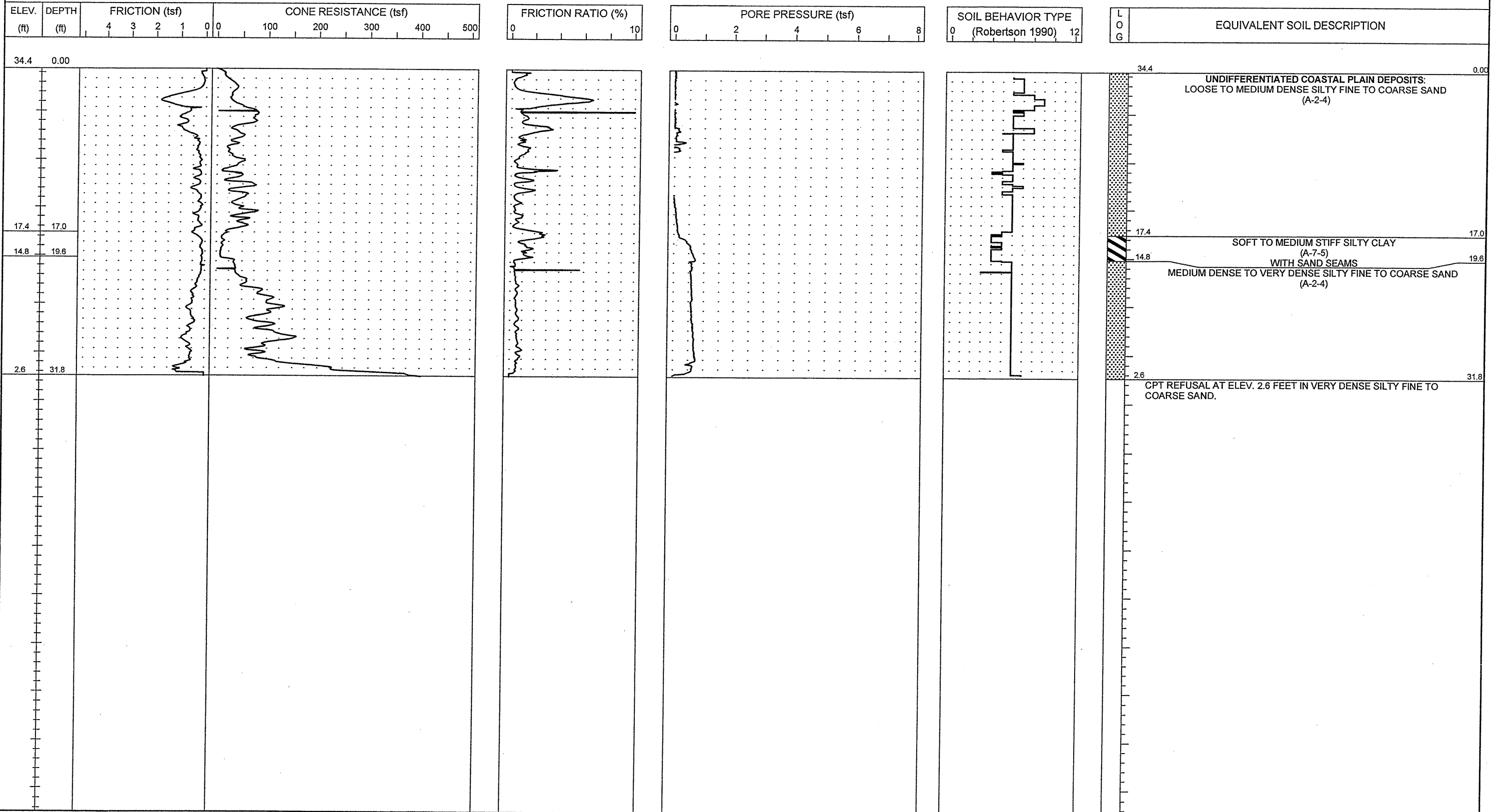


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 27.6 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-243	BORING LOCATION 37+81	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 6.0	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 36.0 ft	NORTHING 192,837.3	EASTING 2,287,292.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



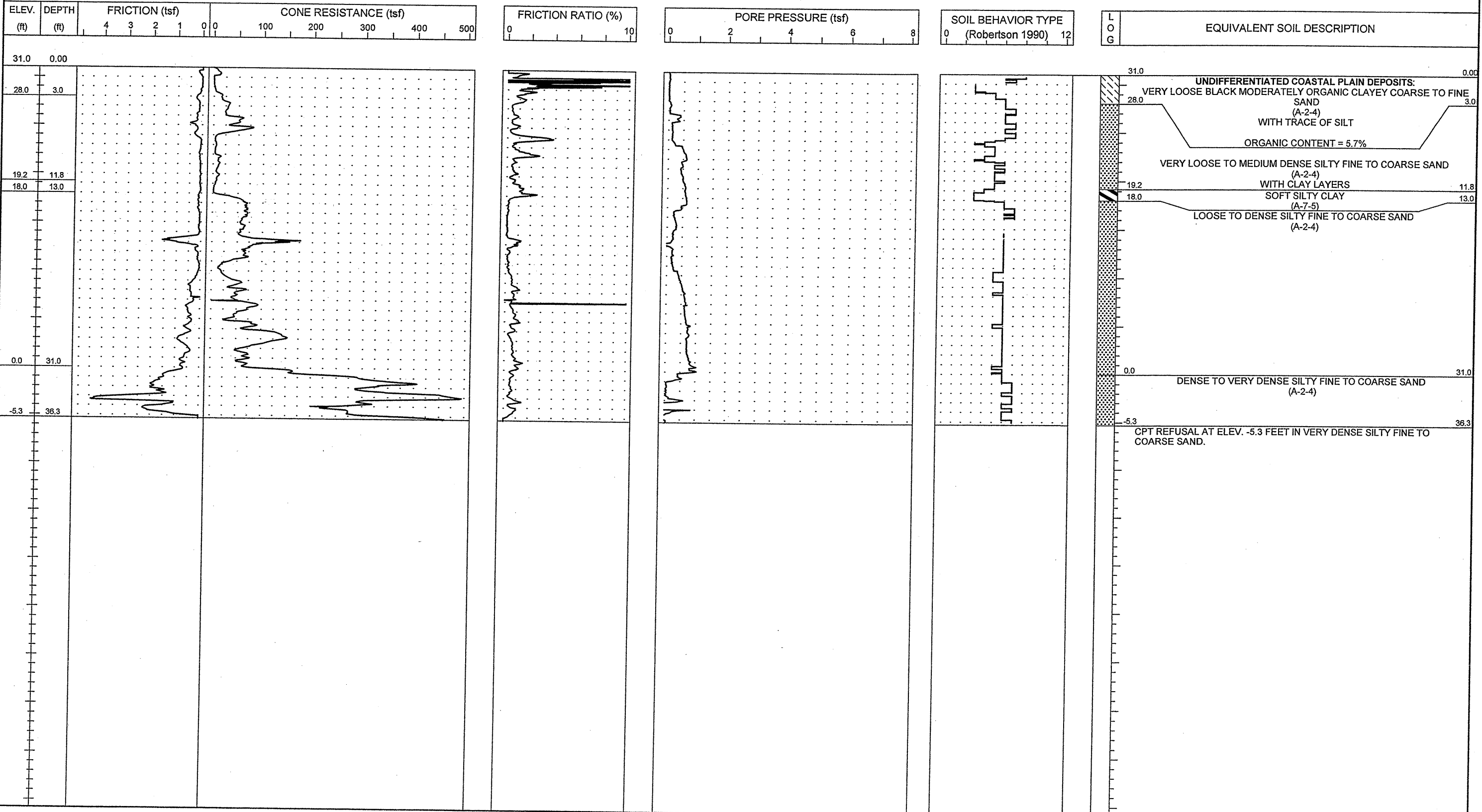


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 31.8 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-244	BORING LOCATION 39+29	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. N/M	DATE STARTED 10/31/06	COMPLETED 10/31/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 34.4 ft	NORTHING 192,689.9	EASTING 2,287,305.6		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		

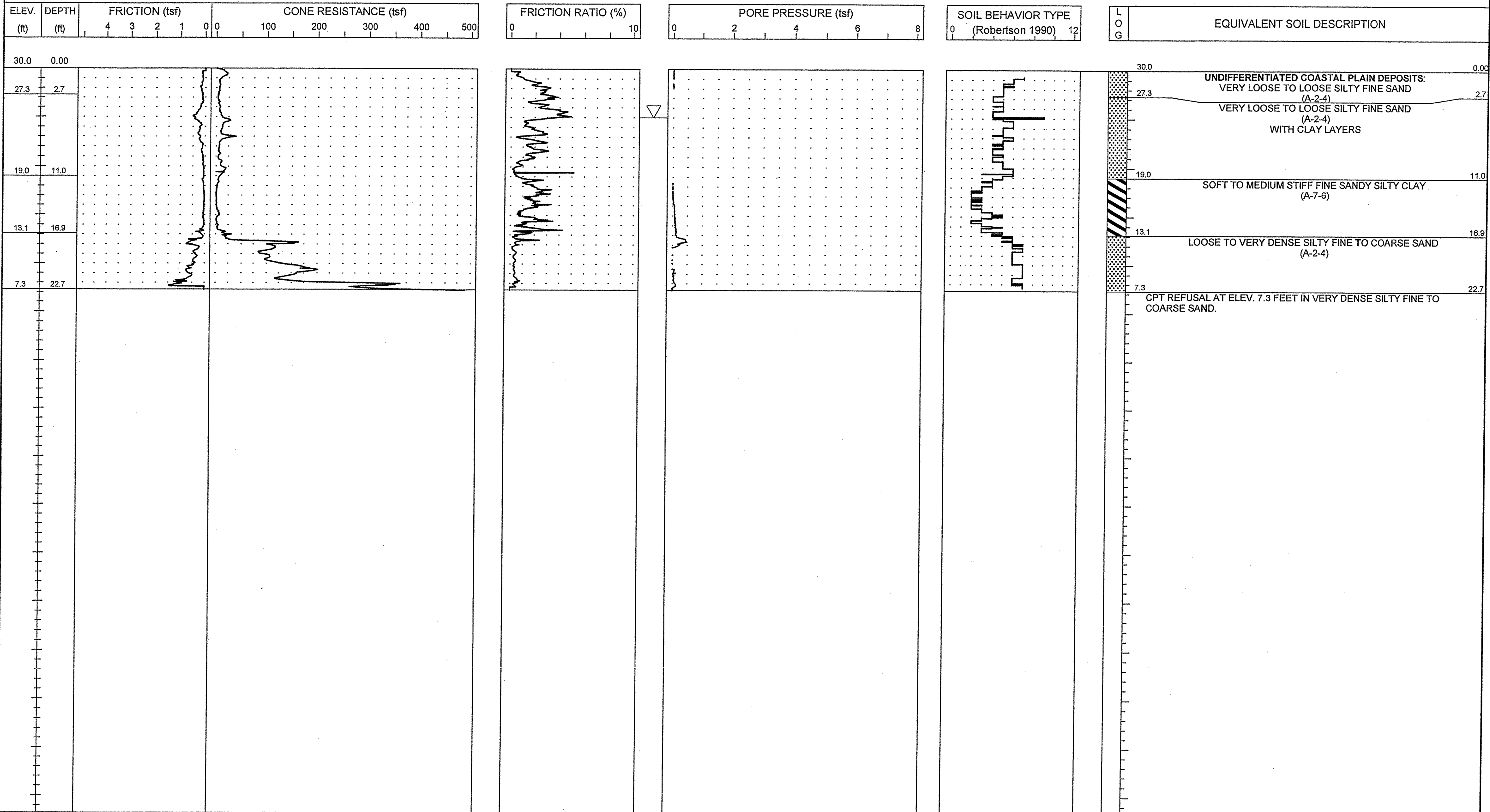


NCDOT CPT - ENGLISH NO N60 51-411 6TH CPT.GPJ NCDOT.GDT 11/9/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 36.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-245	BORING LOCATION 42+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV. 31.0 ft	NORTHING 192,421.3	EASTING 2,287,341.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A

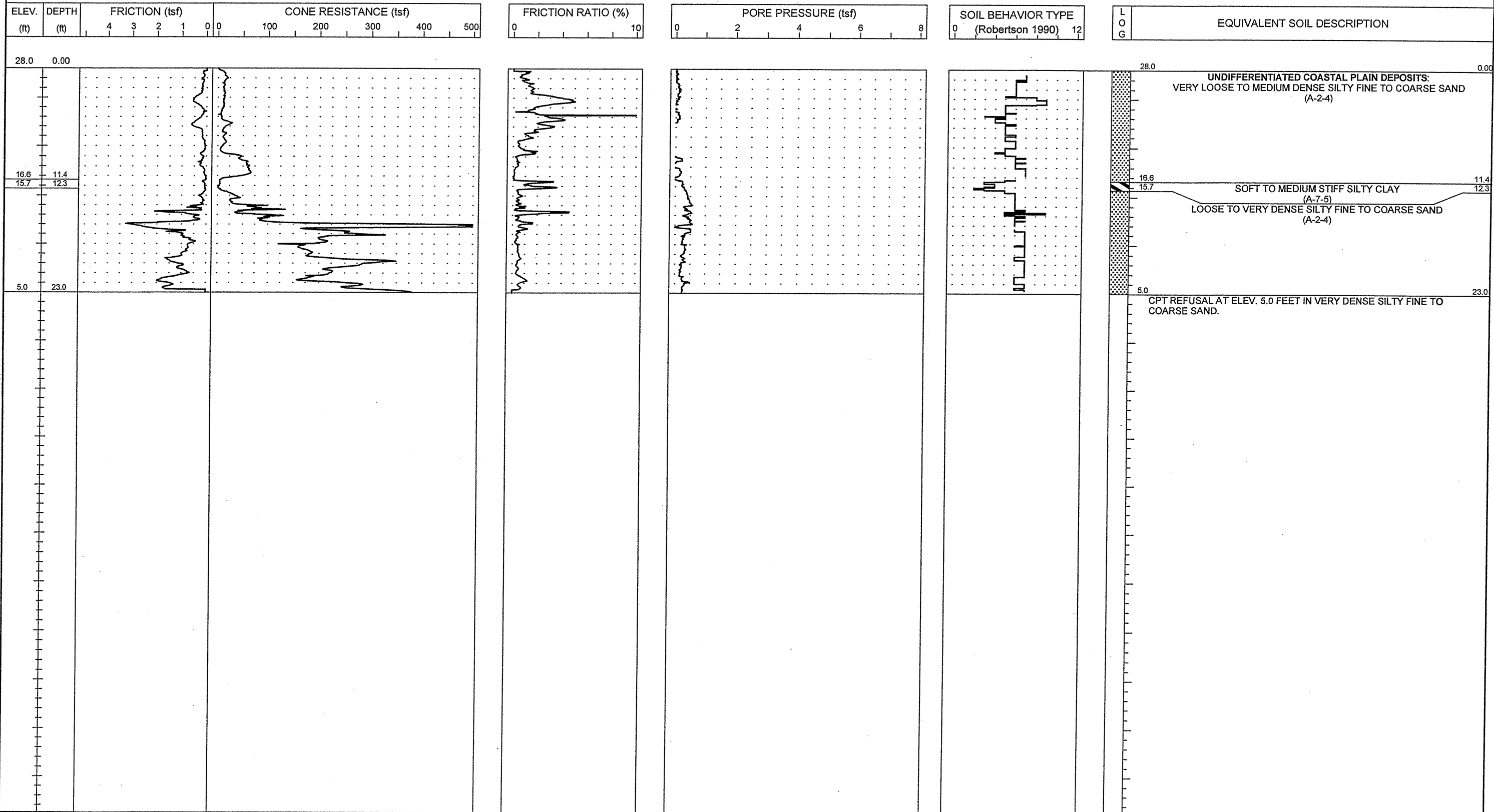


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 22.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-246	BORING LOCATION 44+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 5.0	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV. 30.0 ft	NORTHING 192,223.5	EASTING 2,287,370.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
HAMMER TYPE N/A						





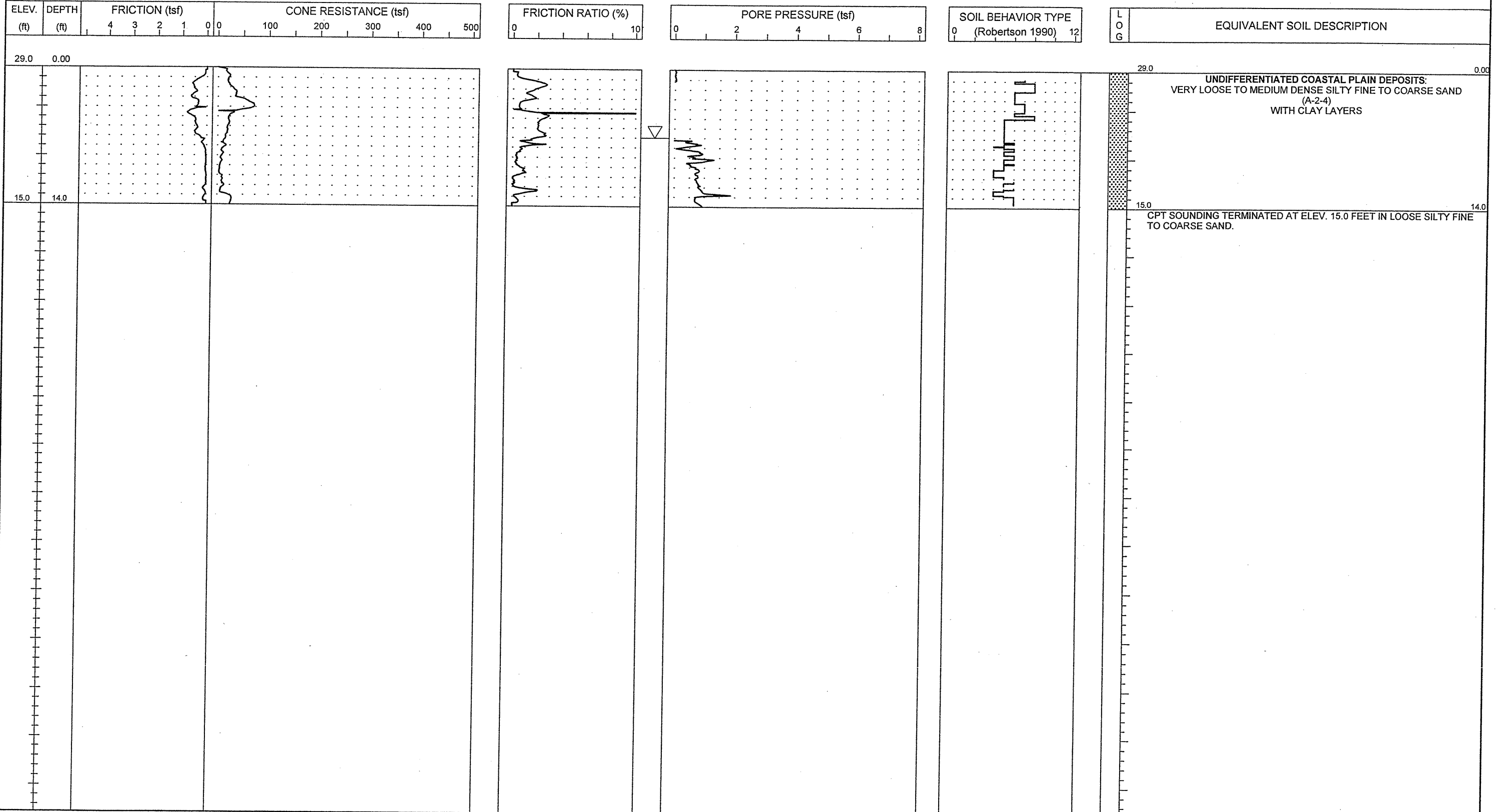
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 23.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-247	BORING LOCATION 46+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. N/M	DATE STARTED 10/31/06	COMPLETED 10/31/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 28.0 ft	NORTHING 192,026.3	EASTING 2,287,403.9		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO N60 51-411 6TH CPT.GPJ_NCDOT.GDT 11/9/06



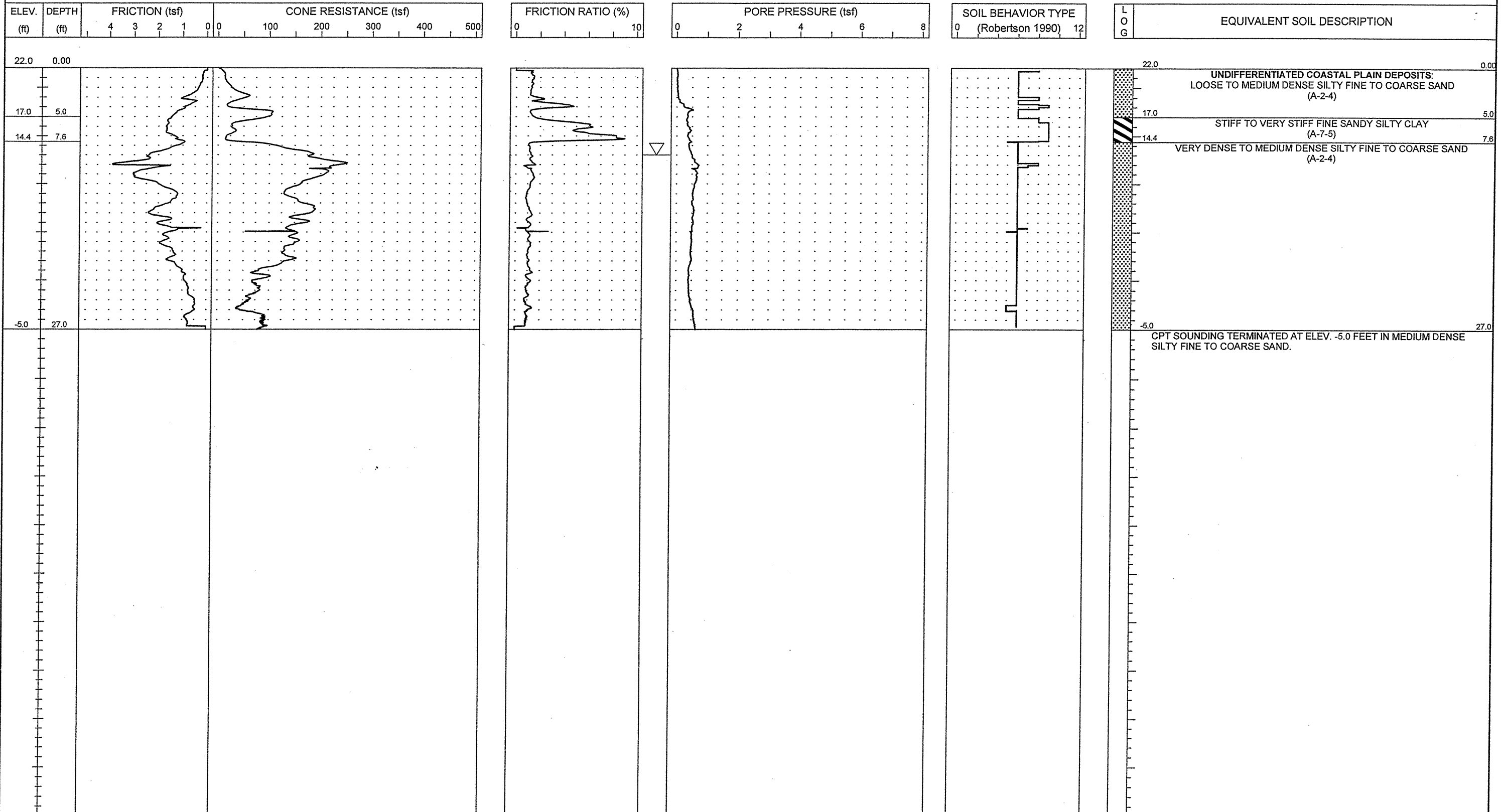
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 14.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-249	BORING LOCATION 50+00	OFFSET 0.0 ft CL	ALIGNMENT -Y7-	0 HR. 7.0	DATE STARTED 10/31/06	COMPLETED 10/31/06
COLLAR ELEV. 29.0 ft	NORTHING 191,628.9	EASTING 2,287,443.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 6TH CPT.GPJ NCDOT.GDT 11/9/06



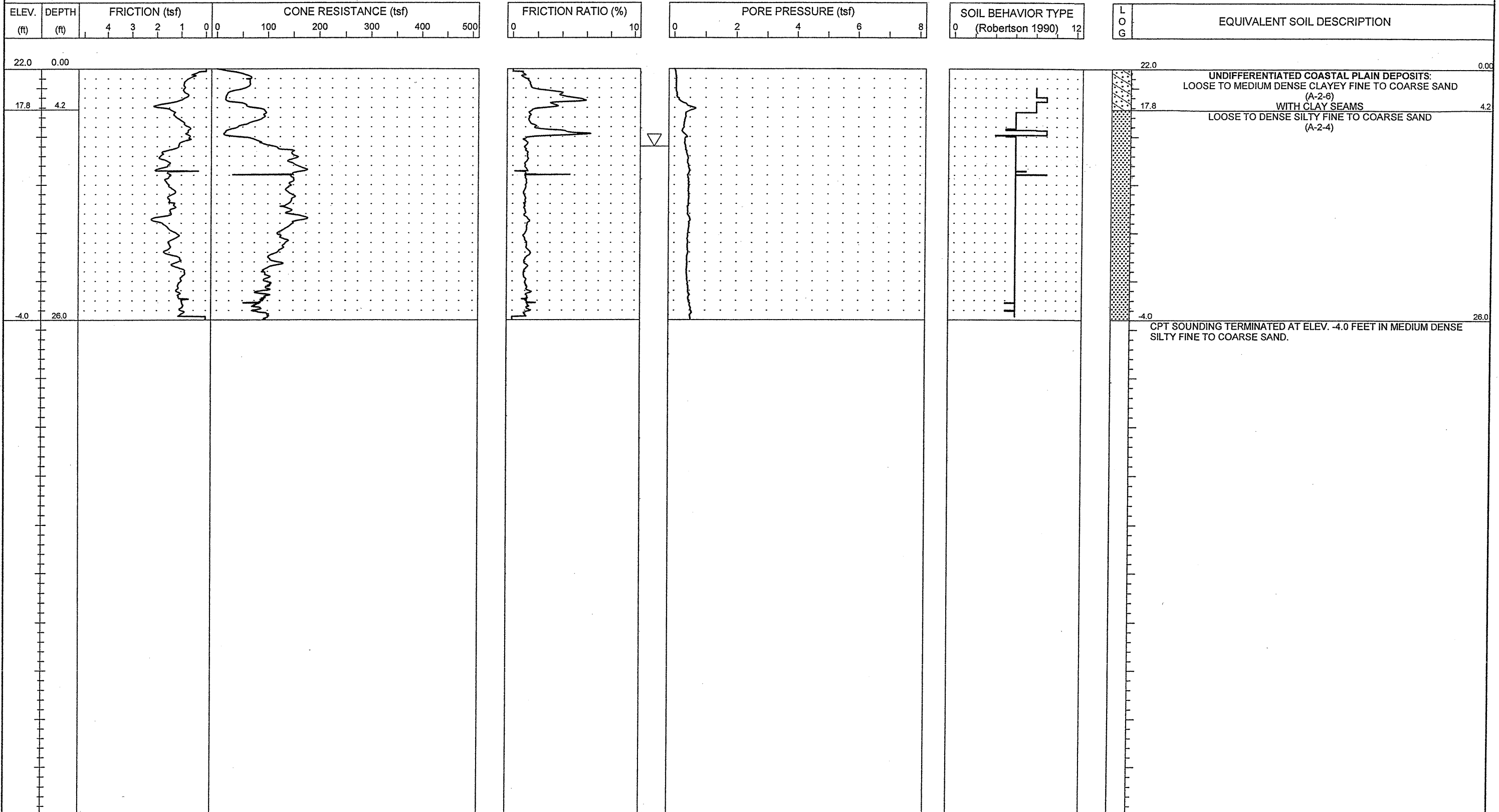
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 27.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-252	BORING LOCATION 15+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 9.0	DATE STARTED 10/16/06	COMPLETED 10/16/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 22.0 ft	NORTHING 191,716.8	EASTING 2,295,711.1		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO. N60 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06



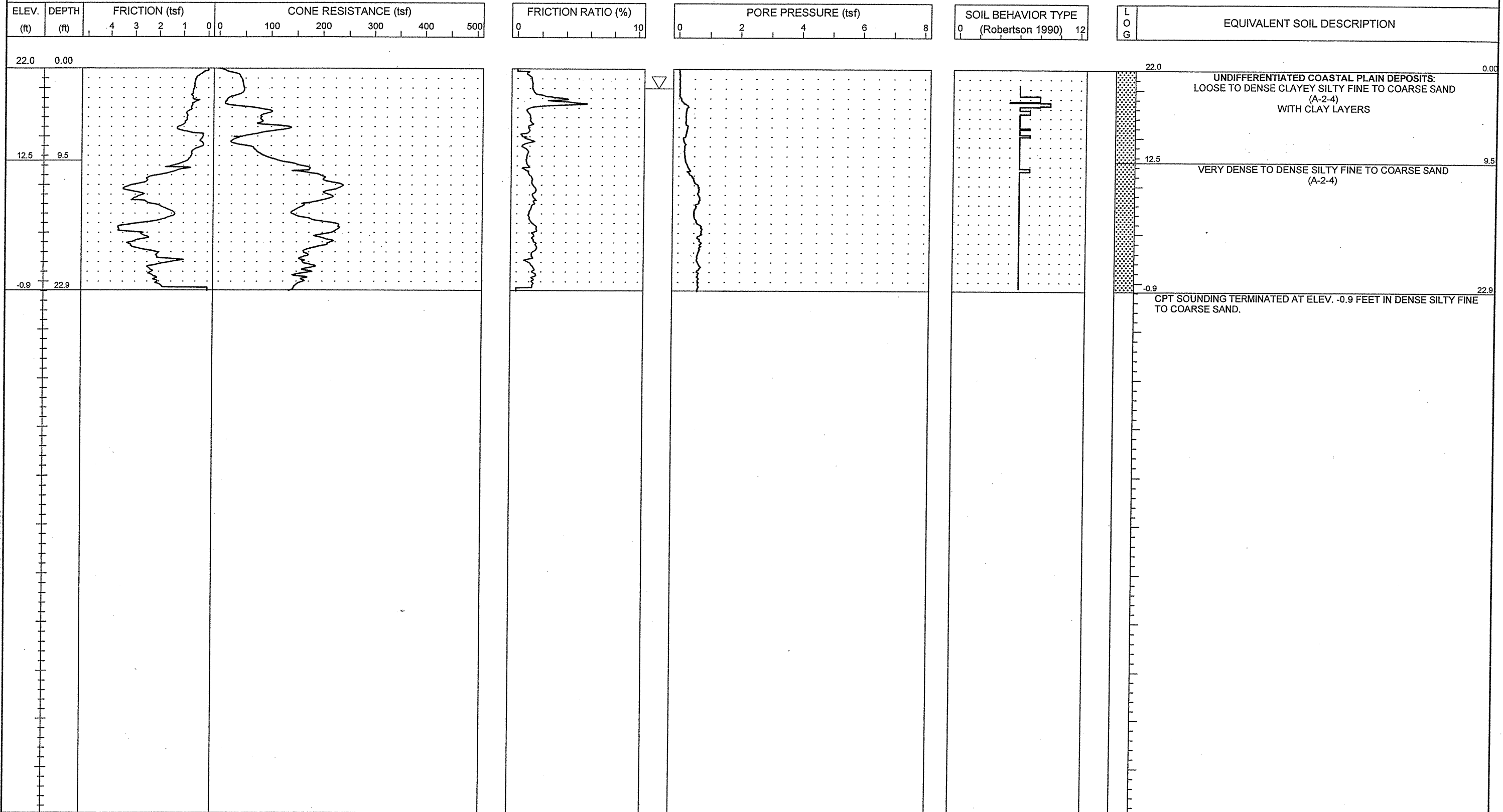
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 26.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-253	BORING LOCATION 17+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 8.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,668.0	EASTING 2,295,904.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 THRID.CPT.GPJ NCDOT.GDT 11/16/06



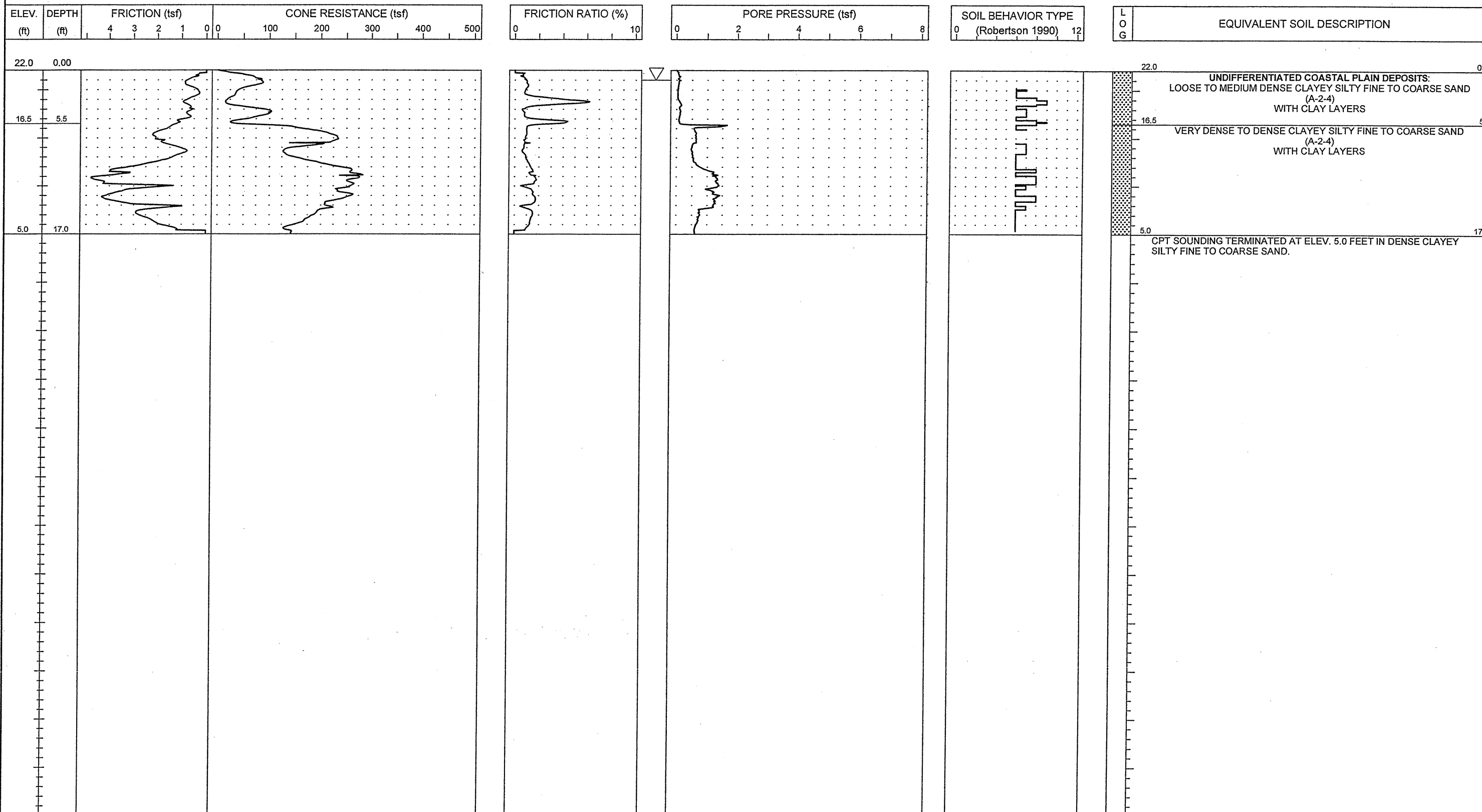
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 22.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-254	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 2.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,586.4	EASTING 2,296,087.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT_CPT - ENGLISH NO N60 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06



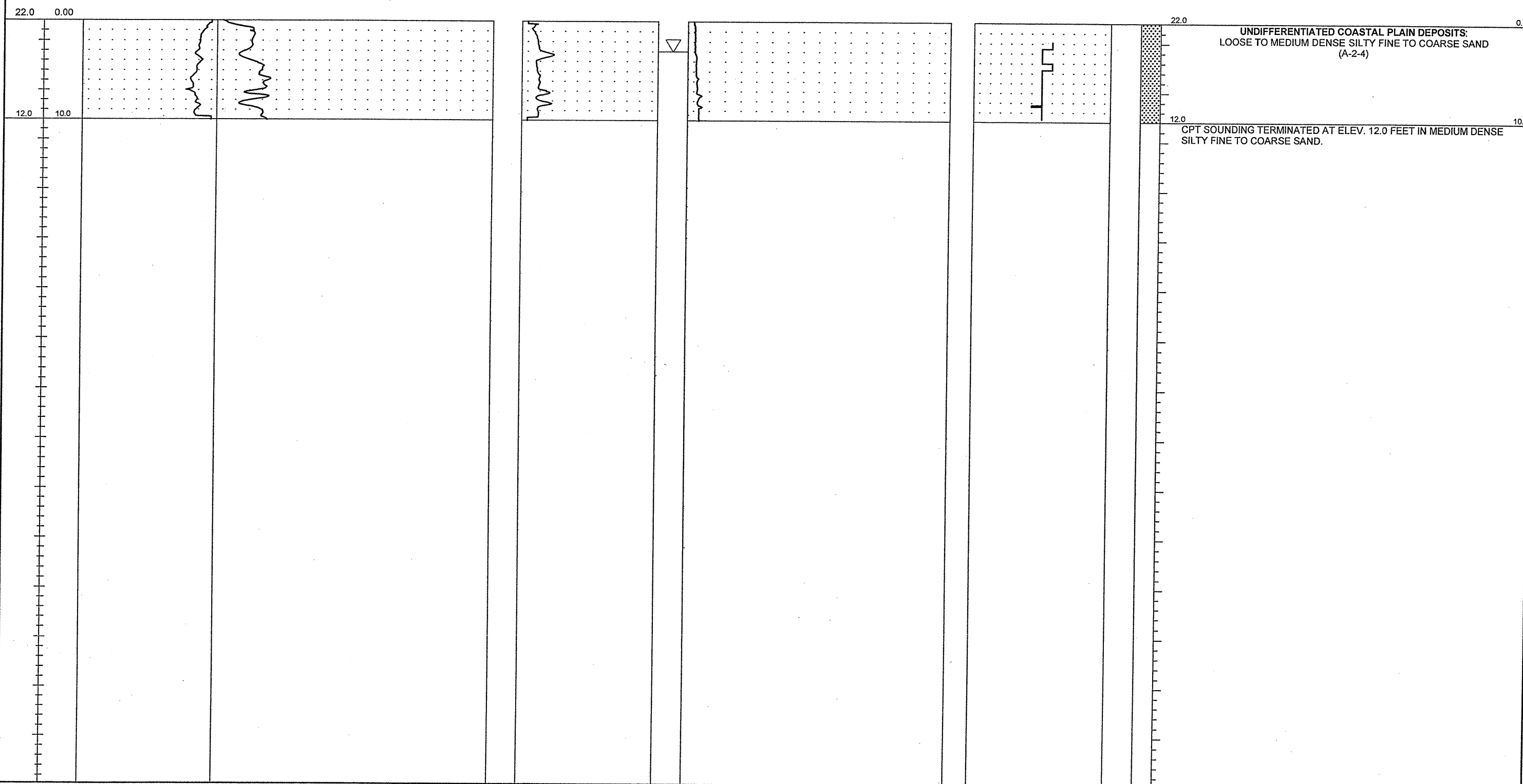
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 17.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-255	BORING LOCATION 21+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 1.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,475.1	EASTING 2,296,253.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

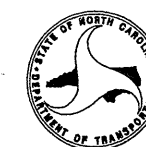




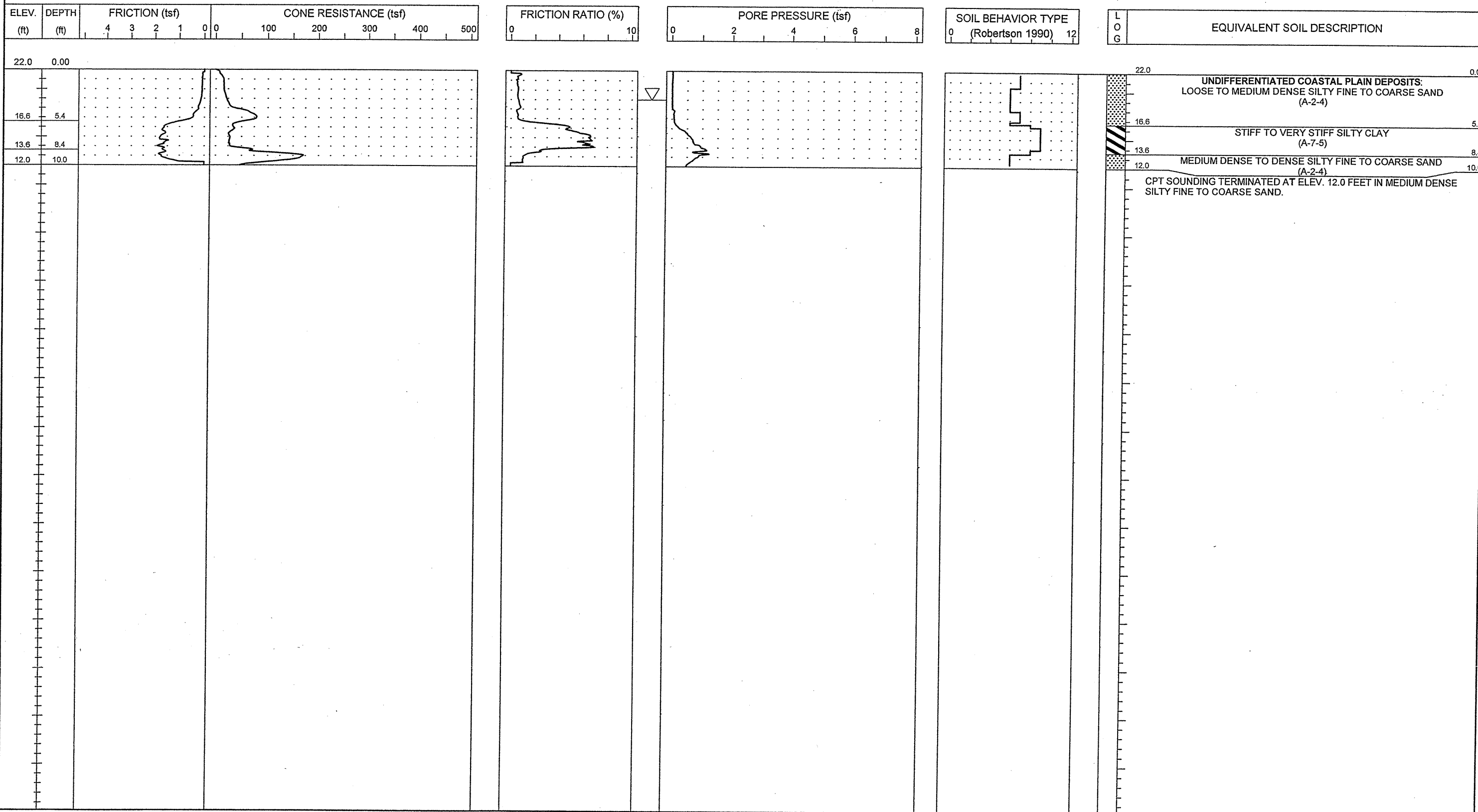
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-256	BORING LOCATION 23+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 3.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,352.9	EASTING 2,296,411.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		





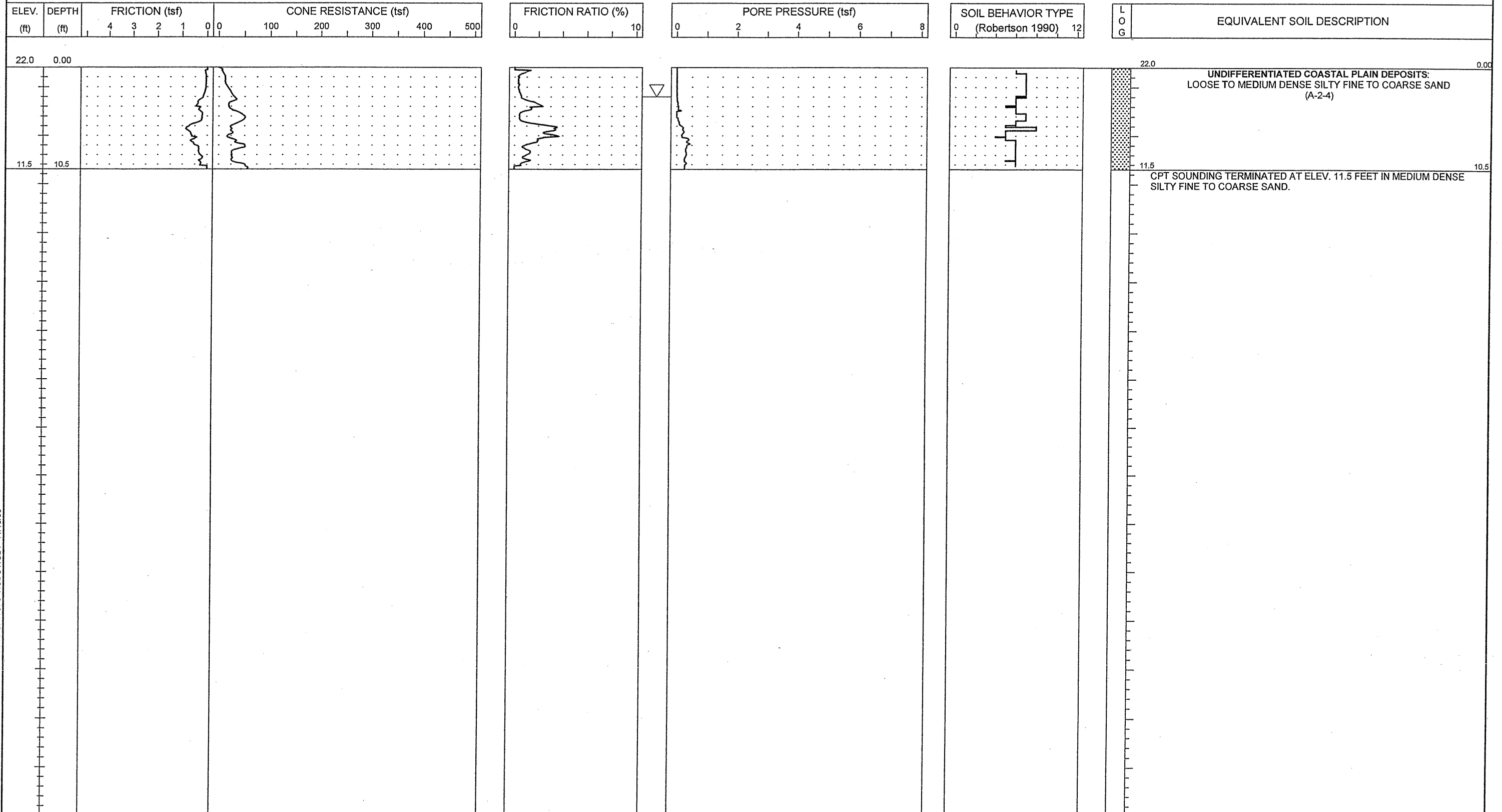
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-257	BORING LOCATION 25+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 3.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,268.1	EASTING 2,296,591.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. N60 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06

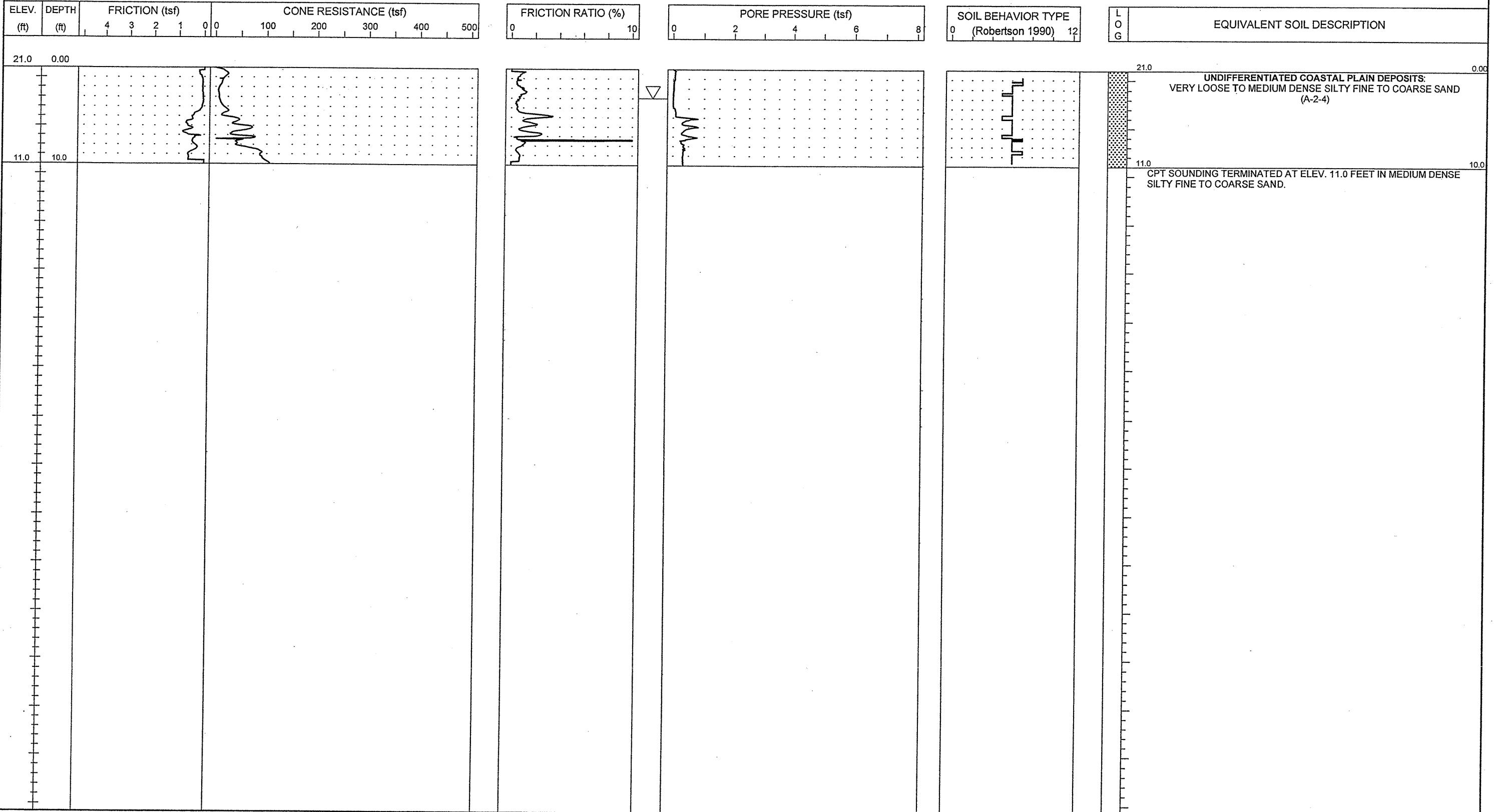


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.5 ft	DRILL MACHINE CPT-ATV
BORING NO. C-258	BORING LOCATION 27+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 3.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 22.0 ft	NORTHING 191,258.9	EASTING 2,296,789.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



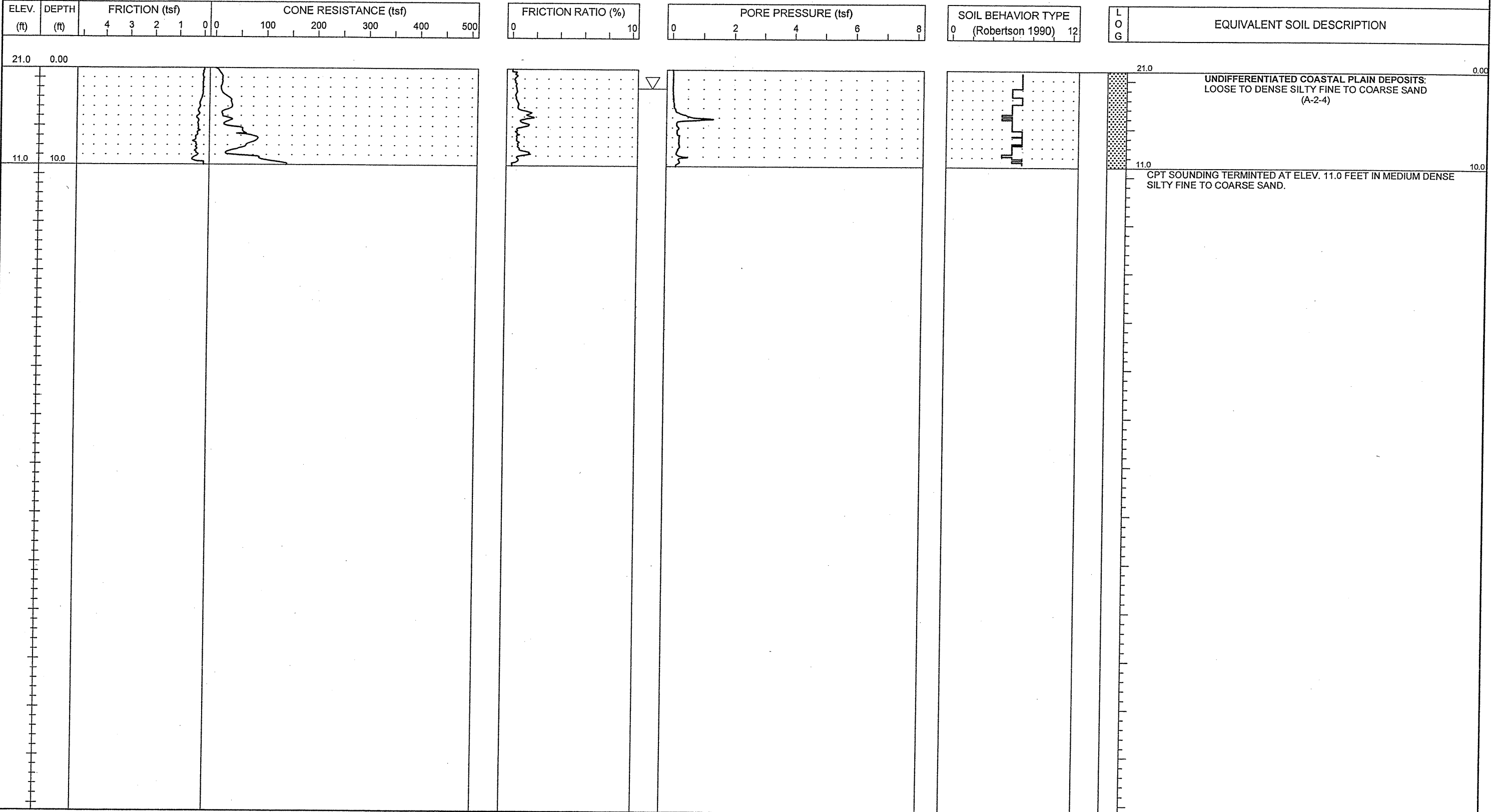
NCDOT CPT - ENGLISH NO N60 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-259	BORING LOCATION 29+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C3-	0 HR. 3.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 21.0 ft	NORTHING 191,298.5	EASTING 2,296,985.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



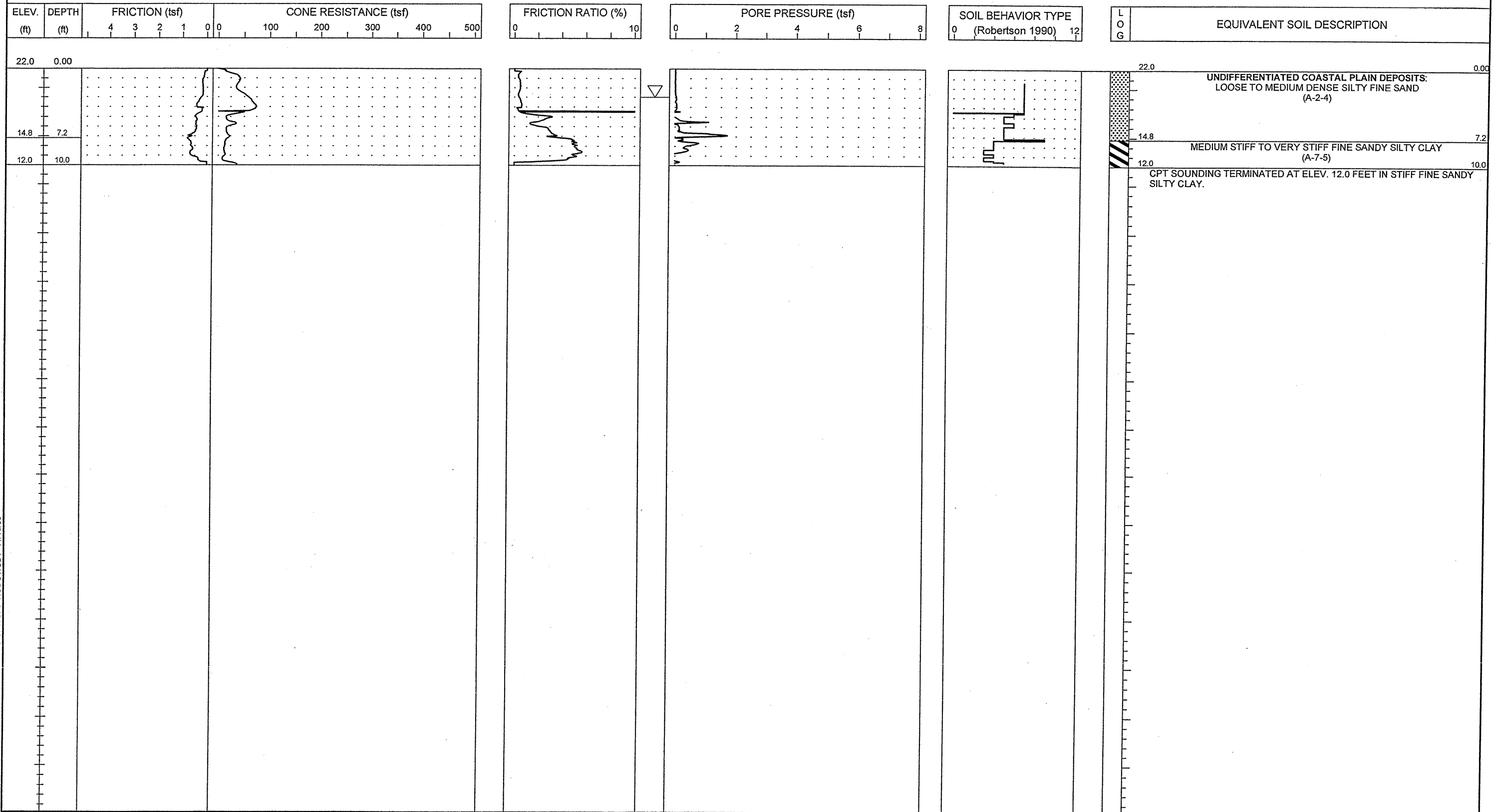


PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-261	BORING LOCATION 15+00	OFFSET 0.0 ft CL	ALIGNMENT RP_D3-	0 HR. 2.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 21.0 ft	NORTHING 191,745.2	EASTING 2,298,191.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
HAMMER TYPE N/A						

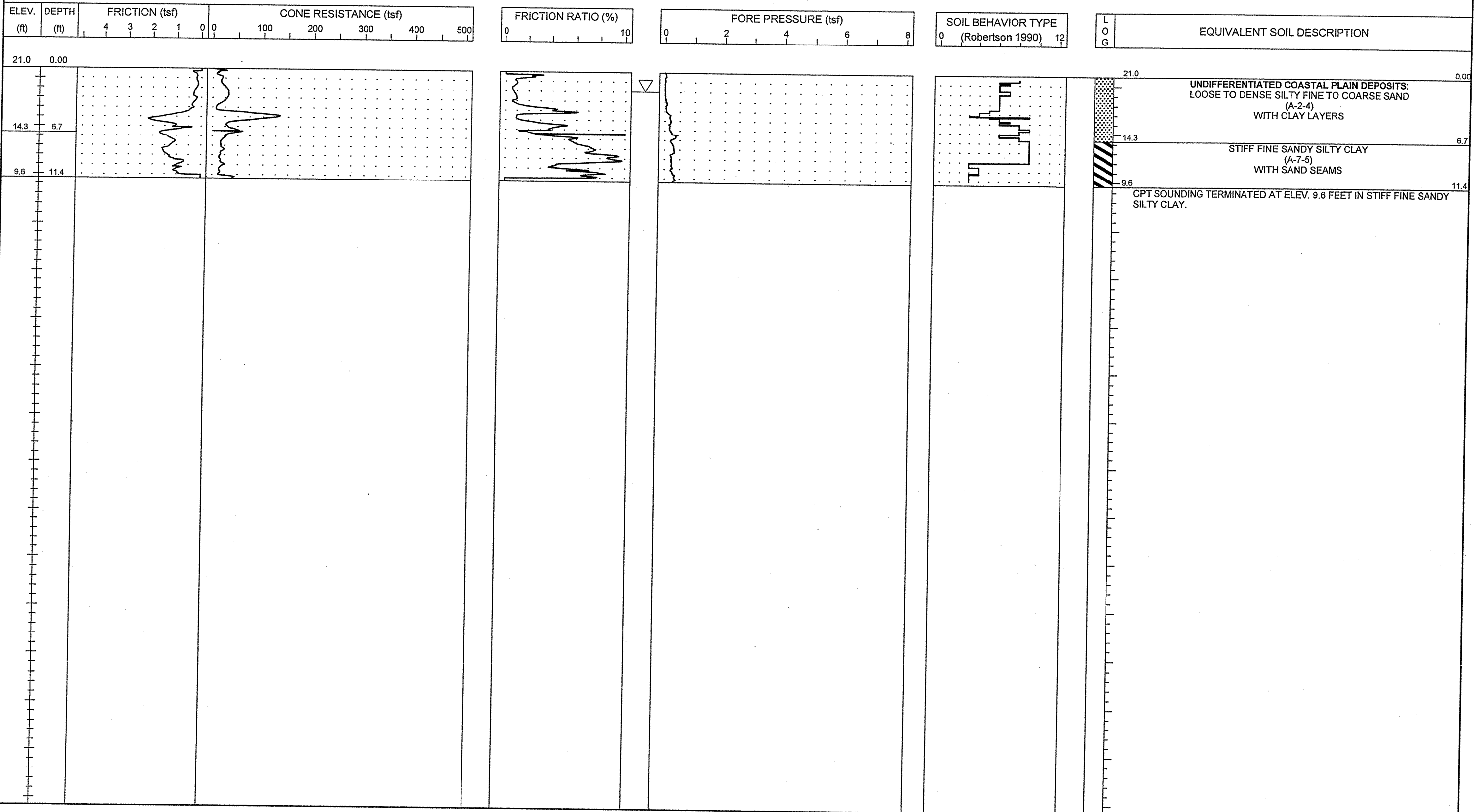




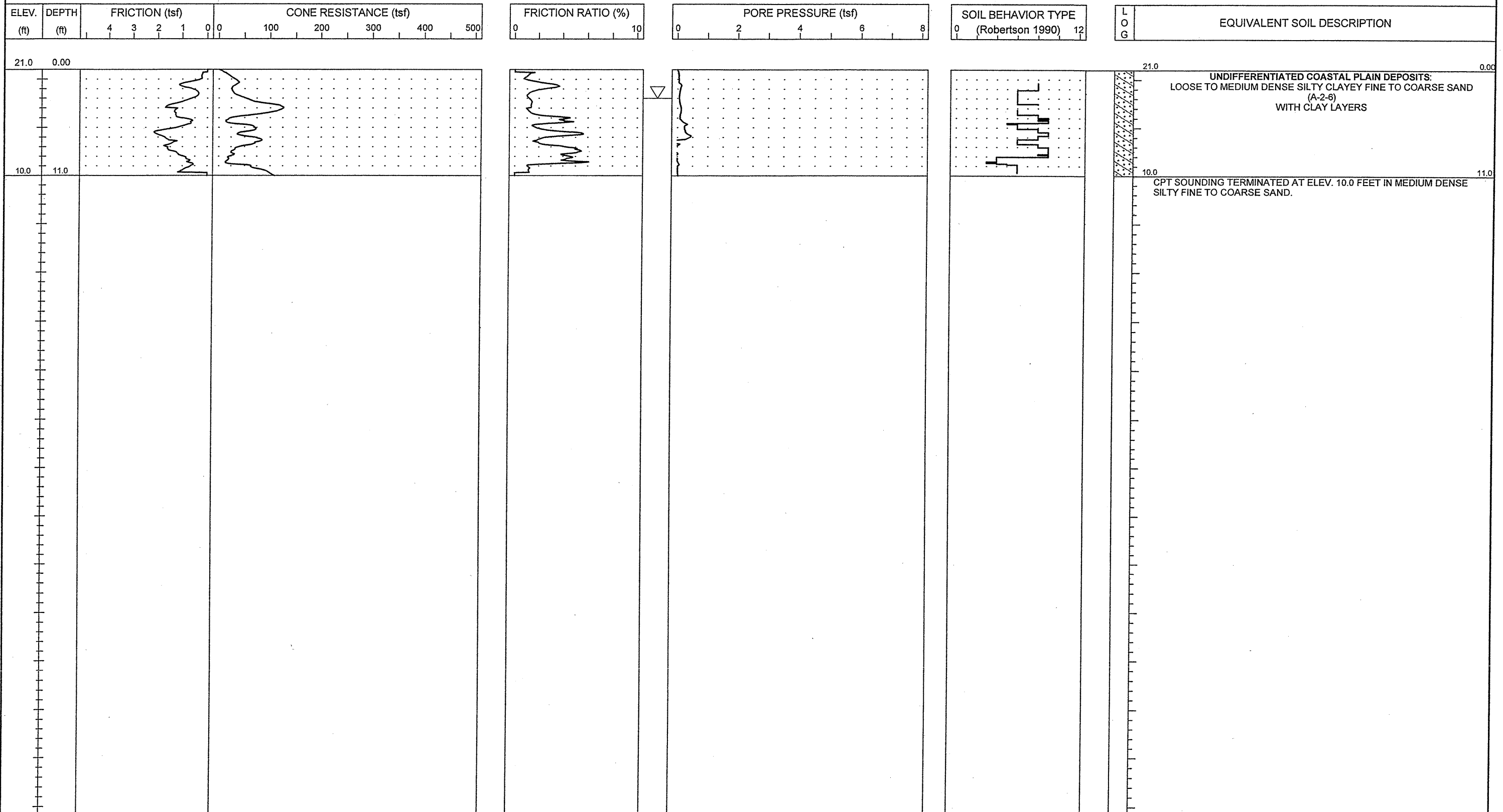
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-262	BORING LOCATION 17+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D3-	0 HR. 3.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 22.0 ft	NORTHING 191,677.8	EASTING 2,298,003.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
HAMMER TYPE N/A						



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 11.4 ft	DRILL MACHINE CPT-ATV
BORING NO. C-263	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D3-	0 HR. 2.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 21.0 ft	NORTHING 191,604.2	EASTING 2,297,817.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
				HAMMER TYPE N/A		



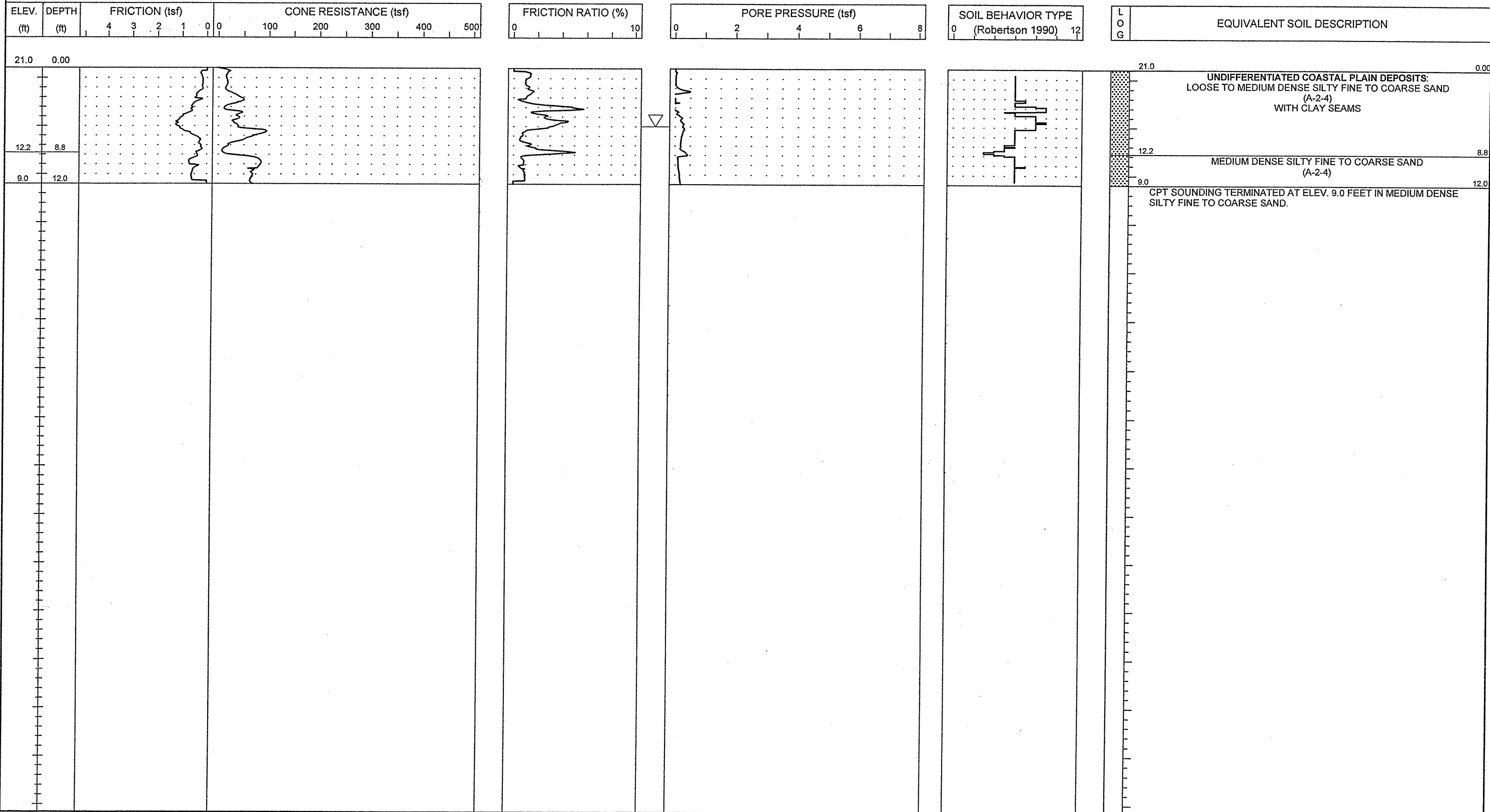
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 11.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-264	BORING LOCATION 21+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D3-	0 HR. 3.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 21.0 ft	NORTHING 191,530.5	EASTING 2,297,631.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
HAMMER TYPE N/A						



NCDOT CPT - ENGLISH NO N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/16/06



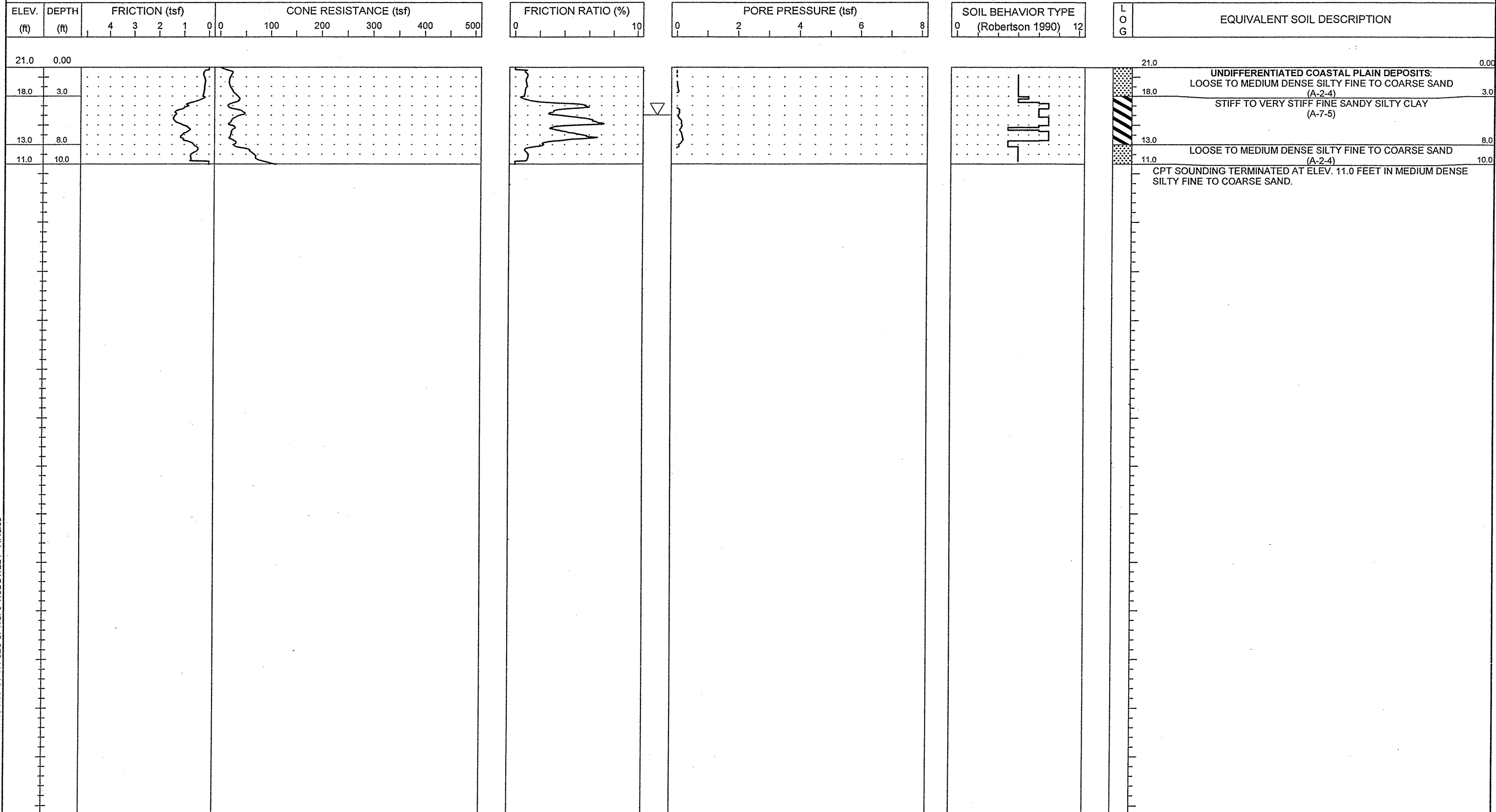
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-265	BORING LOCATION 23+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D3-	0 HR. 6.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 21.0 ft	NORTHING 191,456.8	EASTING 2,297,445.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



NCDOT CPT - ENGLISH NO. NS0 51-411 SEC CPT-GPJ NCDOT-GDT 11/16/06



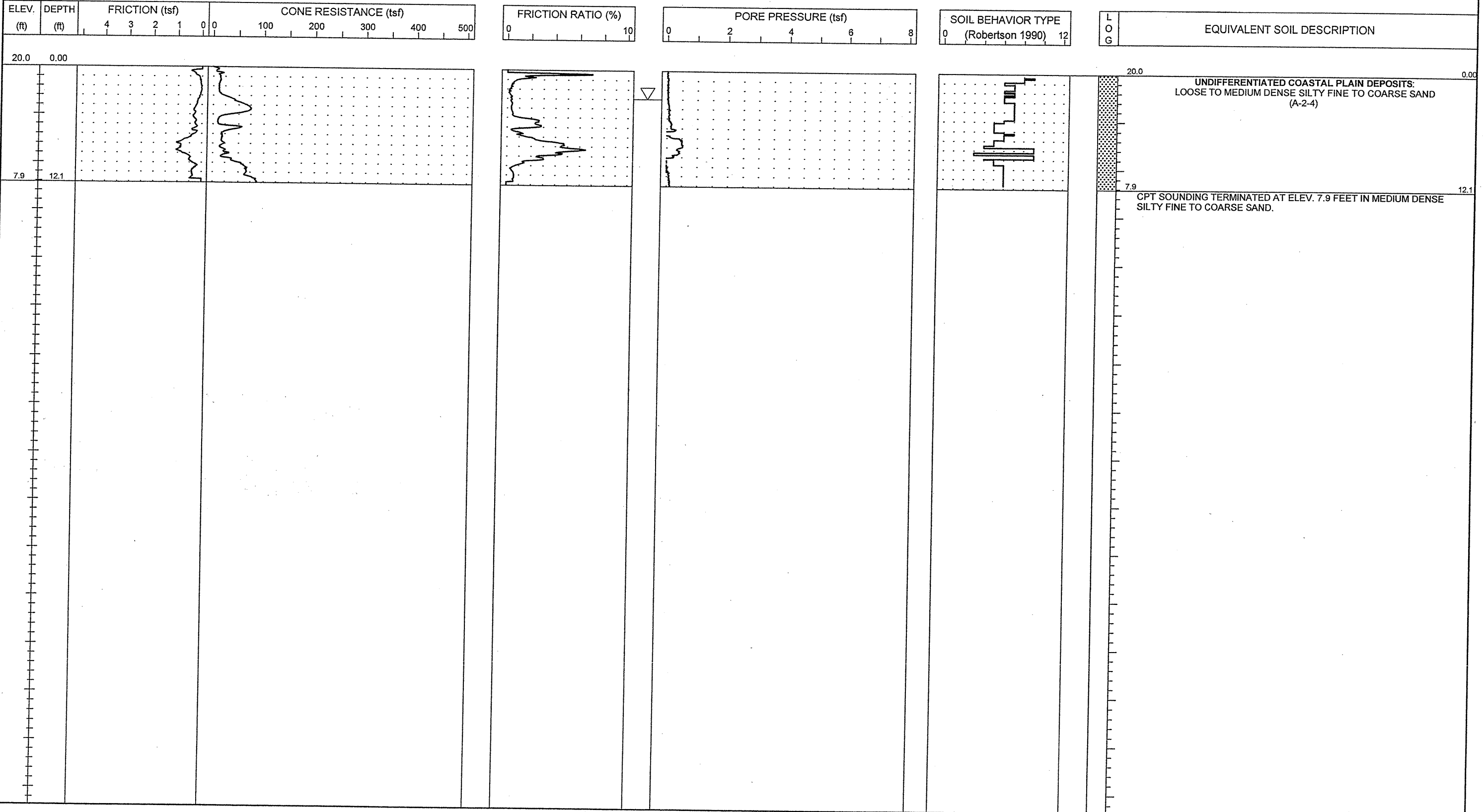
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-266	BORING LOCATION 25+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_D3-	0 HR. 5.0	DATE STARTED 10/13/06	COMPLETED 10/13/06	SURFACE WATER DEPTH N/M	
COLLAR ELEV. 21.0 ft	NORTHING 191,383.1	EASTING 2,297,259.5		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO. N80 51-411 SEC CPT.GPJ NCDOT.GDT 11/16/06



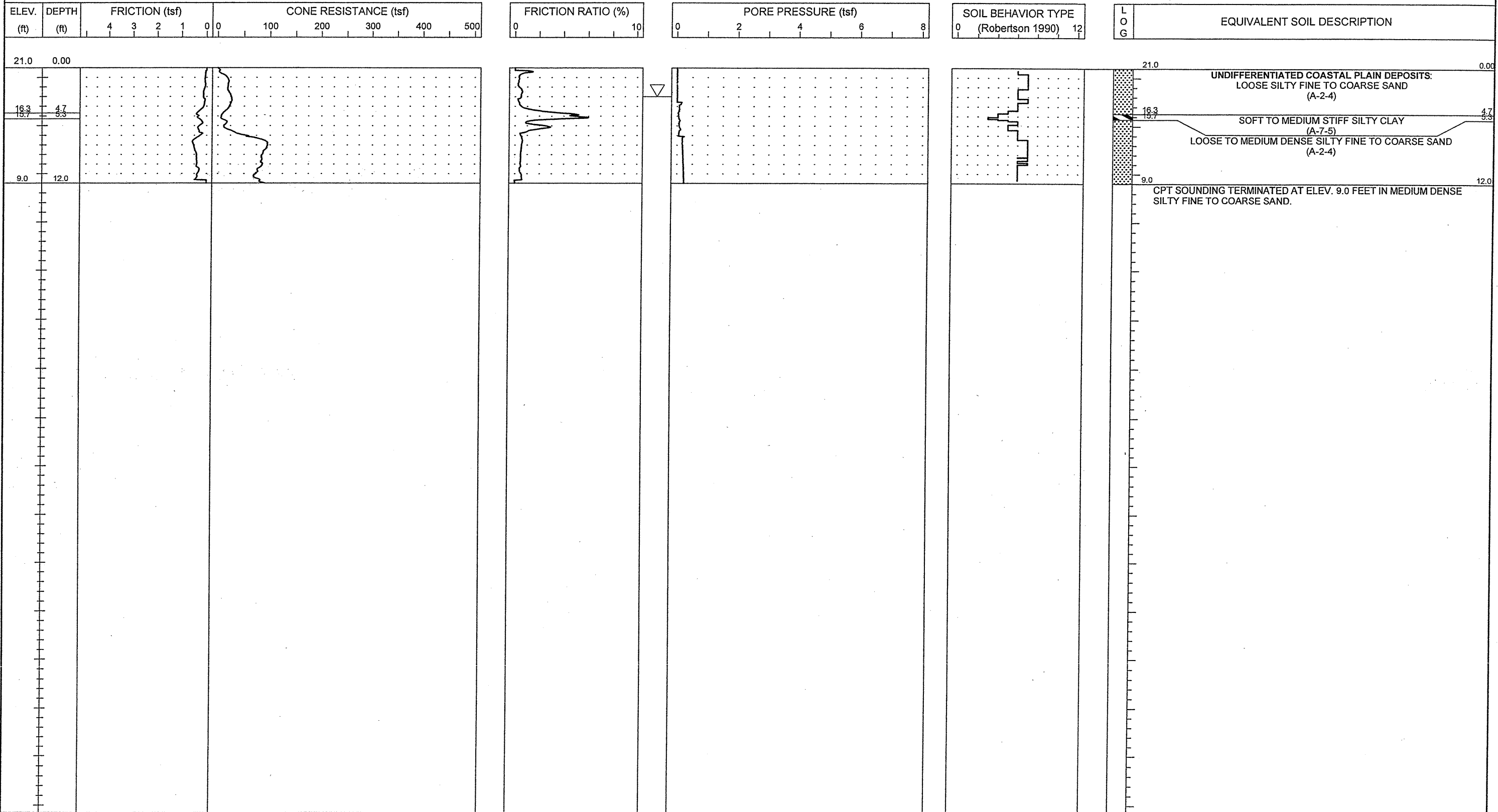
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-267	BORING LOCATION 15+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A3-	0 HR. 3.0	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 20.0 ft	NORTHING 191,924.8	EASTING 2,298,160.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
HAMMER TYPE N/A						



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06

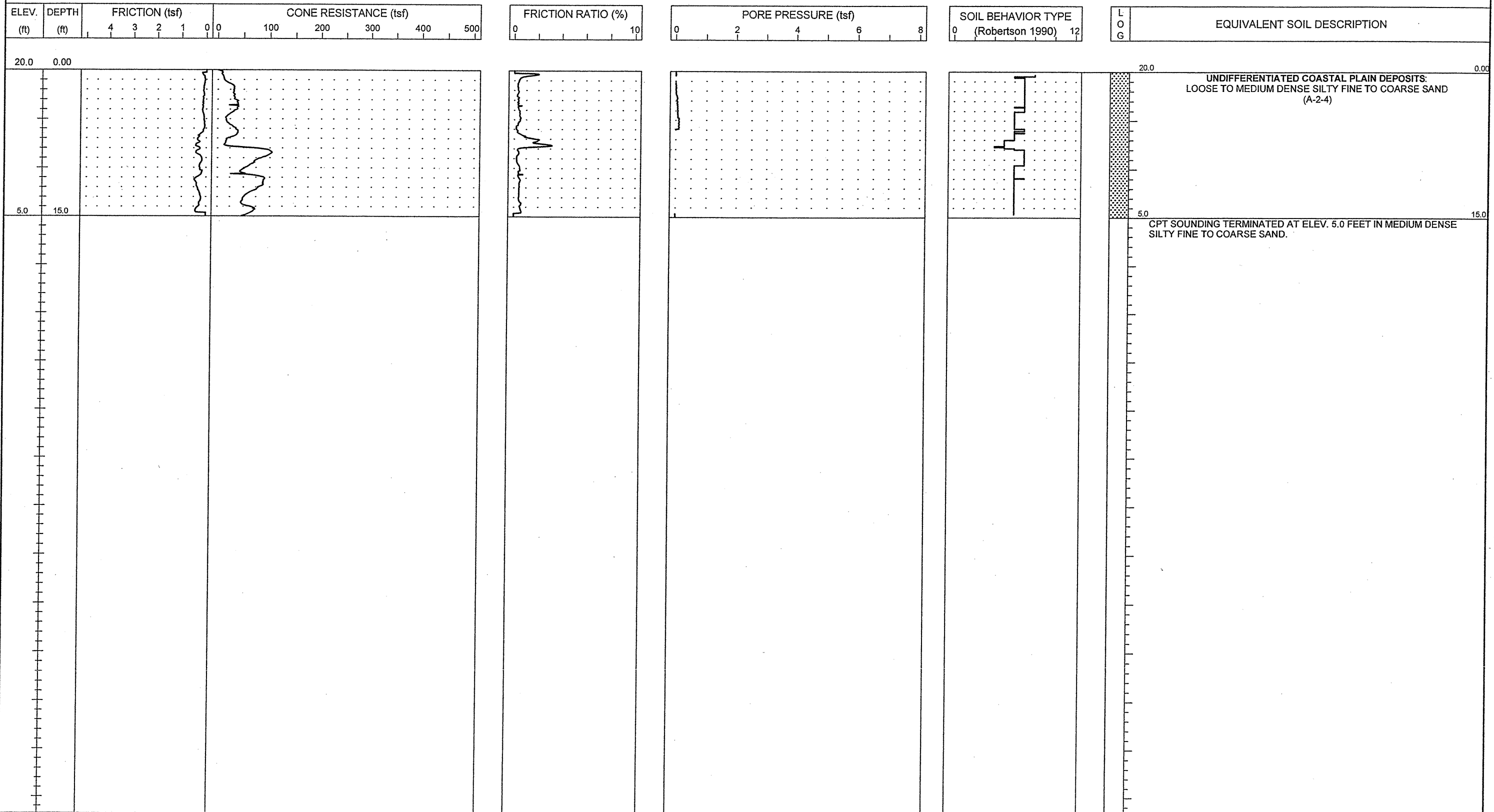


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-268	BORING LOCATION 17+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A3-	0 HR. 3.0	DATE STARTED 9/29/06	COMPLETED 9/29/06
COLLAR ELEV. 21.0 ft	NORTHING 191,971.9	EASTING 2,297,966.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



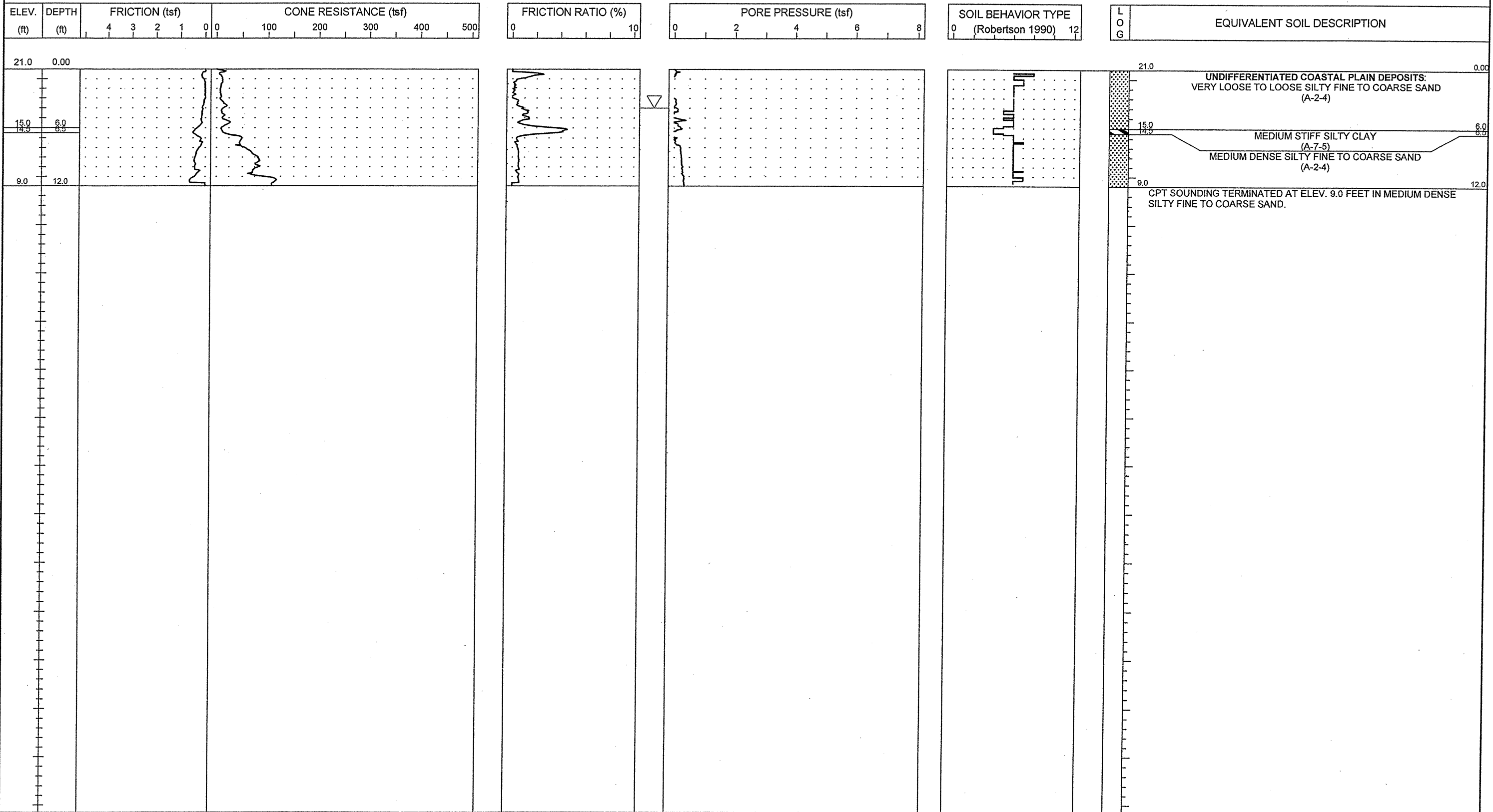
NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 15.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-269	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A3-	0 HR. N/M	DATE STARTED 9/27/06	COMPLETED 9/27/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 20.0 ft	NORTHING 192,051.9	EASTING 2,297,783.0		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		





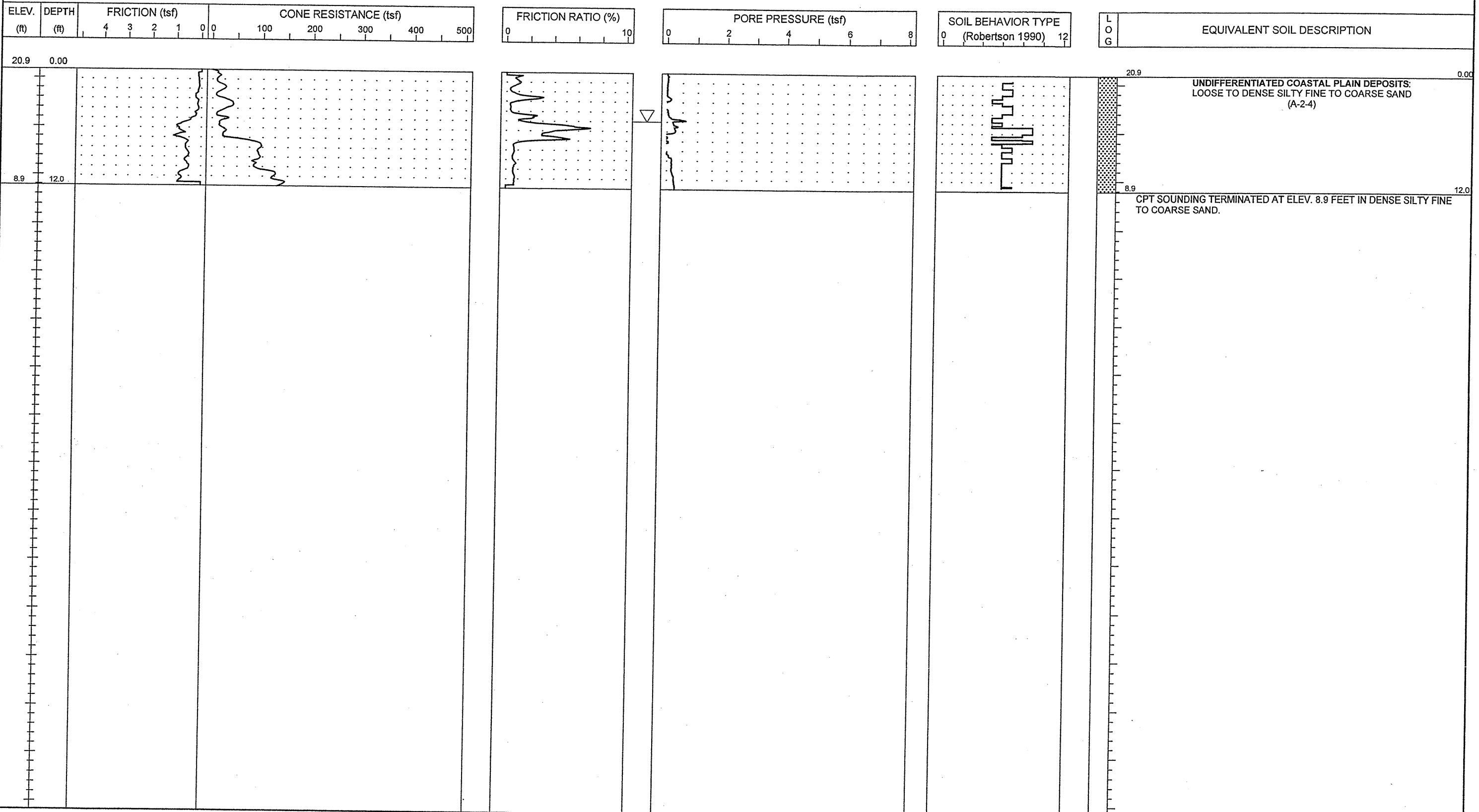
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-270	BORING LOCATION 21+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A3-	0 HR. 4.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 21.0 ft	NORTHING 192,162.4	EASTING 2,297,616.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
HAMMER TYPE N/A						



NCDOT CPT - ENGLISH NO. N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/16/08



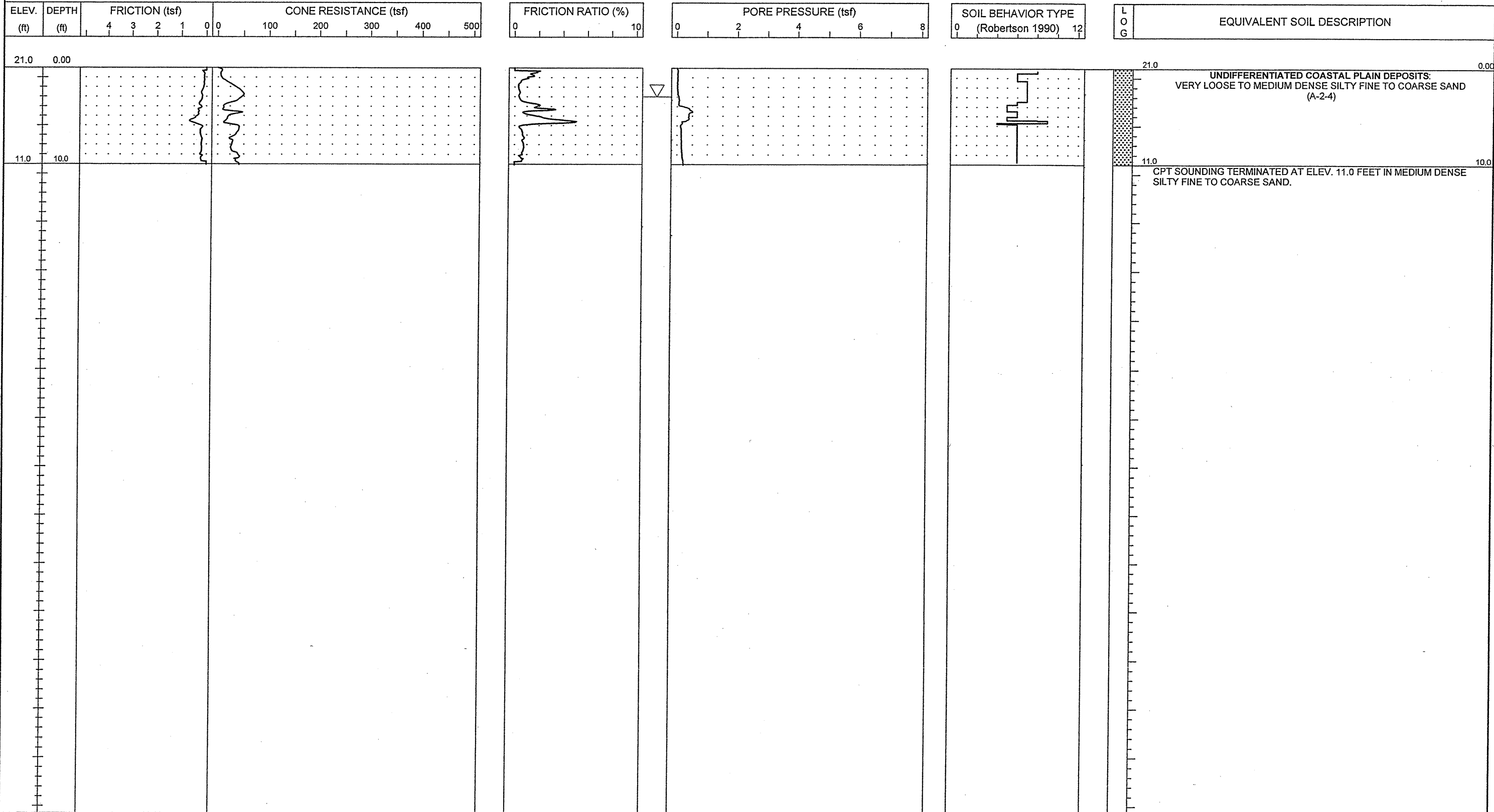
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-271	BORING LOCATION 23+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A3-	0 HR. 5.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 20.9 ft	NORTHING 192,289.7	EASTING 2,297,462.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
HAMMER TYPE N/A						



NCDOT CPT - ENGLISH NO N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/9/06



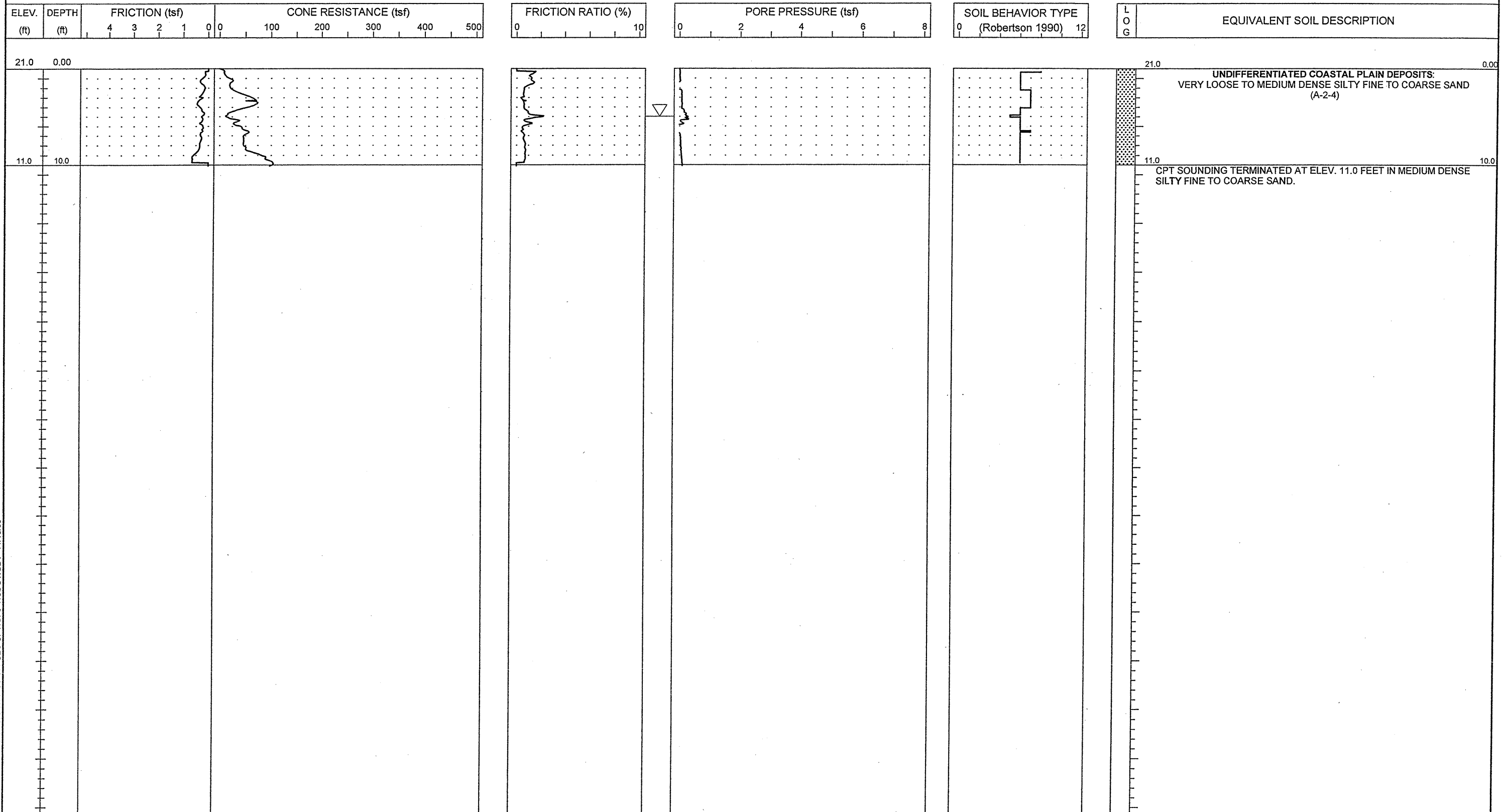
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-273	BORING LOCATION 27+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A3-	0 HR. 3.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.0 ft	NORTHING 192,425.4	EASTING 2,297,096.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



NCDOT CPT - ENGLISH NO. NS0 51-411 SEC CPT.GPJ NCDOT.GDT 11/16/06



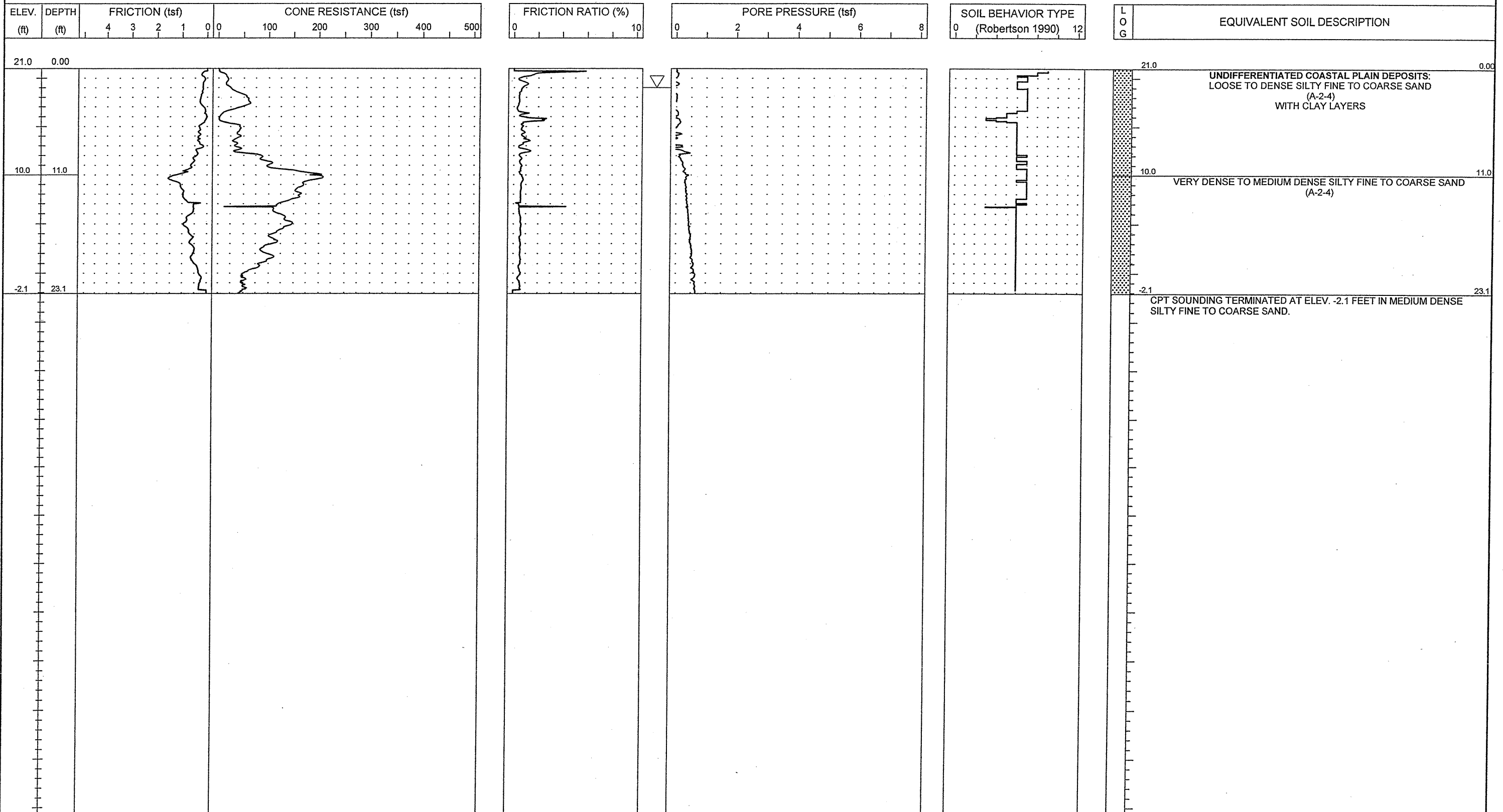
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-274	BORING LOCATION 29+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_A3-	0 HR. 5.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.0 ft	NORTHING 192,384.8	EASTING 2,296,900.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



NCDOT CPT - ENGLISH NO. 51-411 SEC. CPT.GPJ NCDOT.GDT 11/16/06



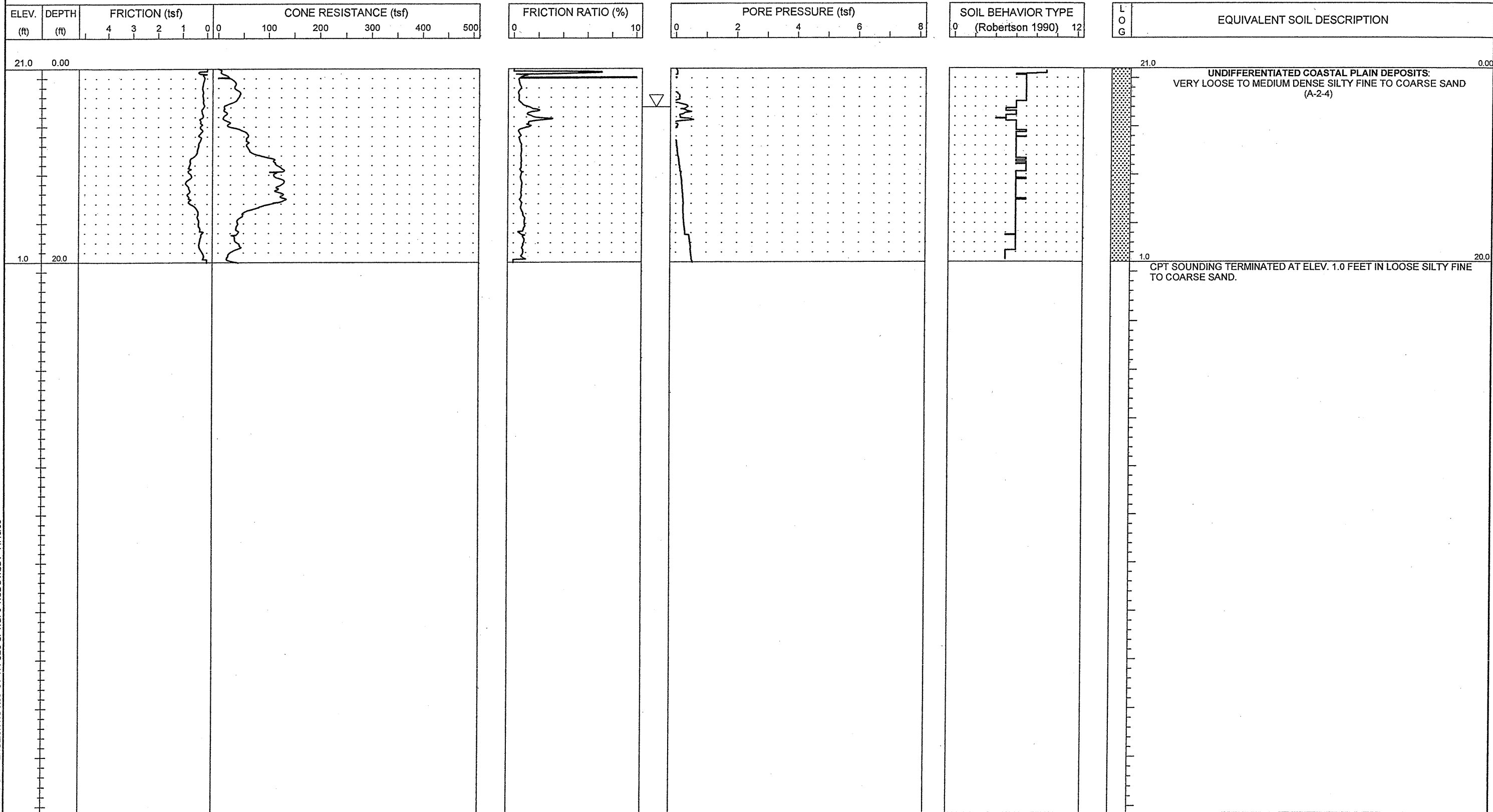
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 23.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-276	BORING LOCATION 13+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_A3-	0 HR. 2.0	DATE STARTED 10/16/06	COMPLETED 10/16/06
COLLAR ELEV. 21.0 ft	NORTHING 191,954.8	EASTING 2,297,263.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



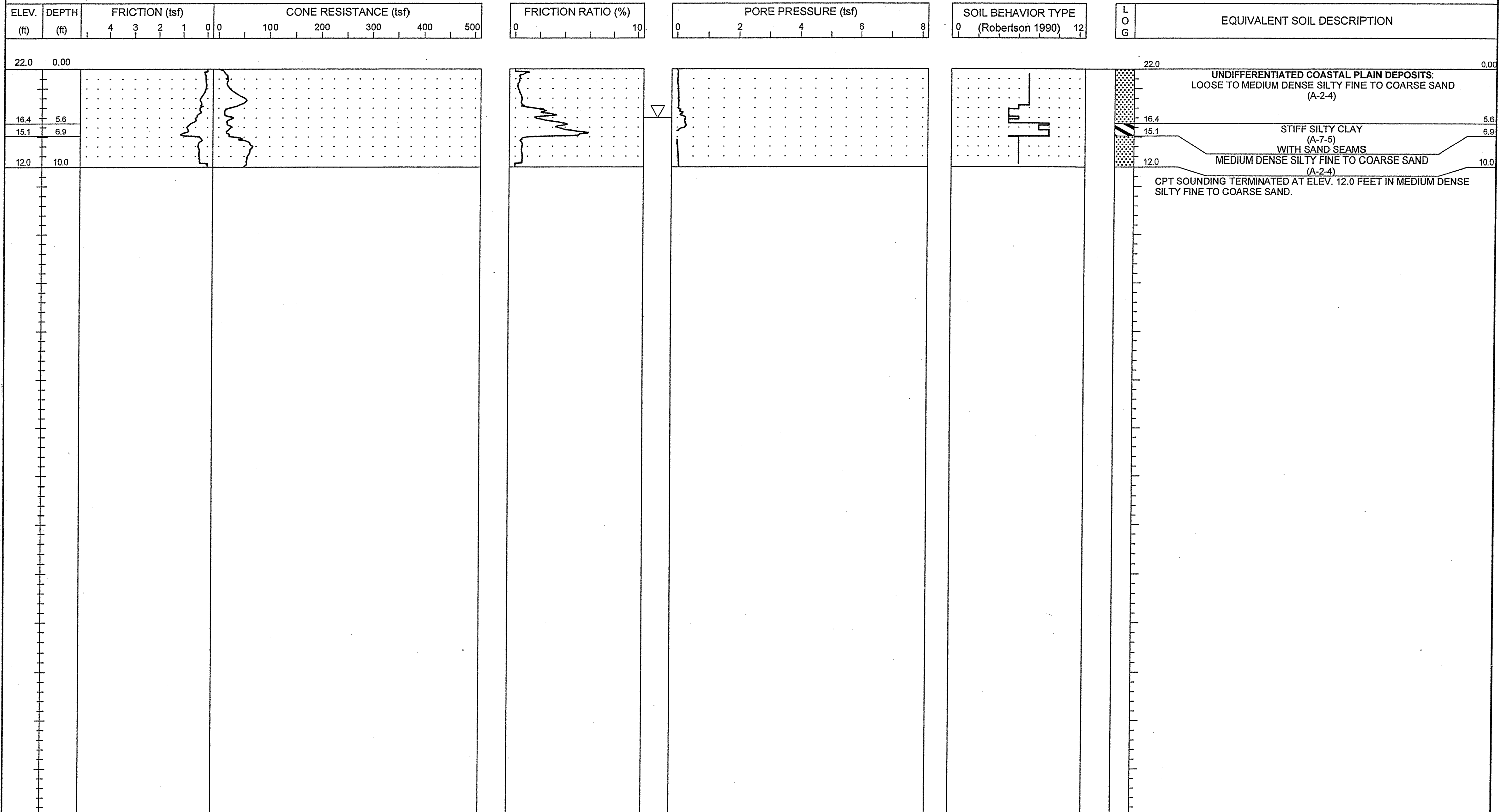
NCDOT CPT - ENGLISH NO N60 51-411 THRID CPT.GPJ NCDOT.GDT 11/16/06



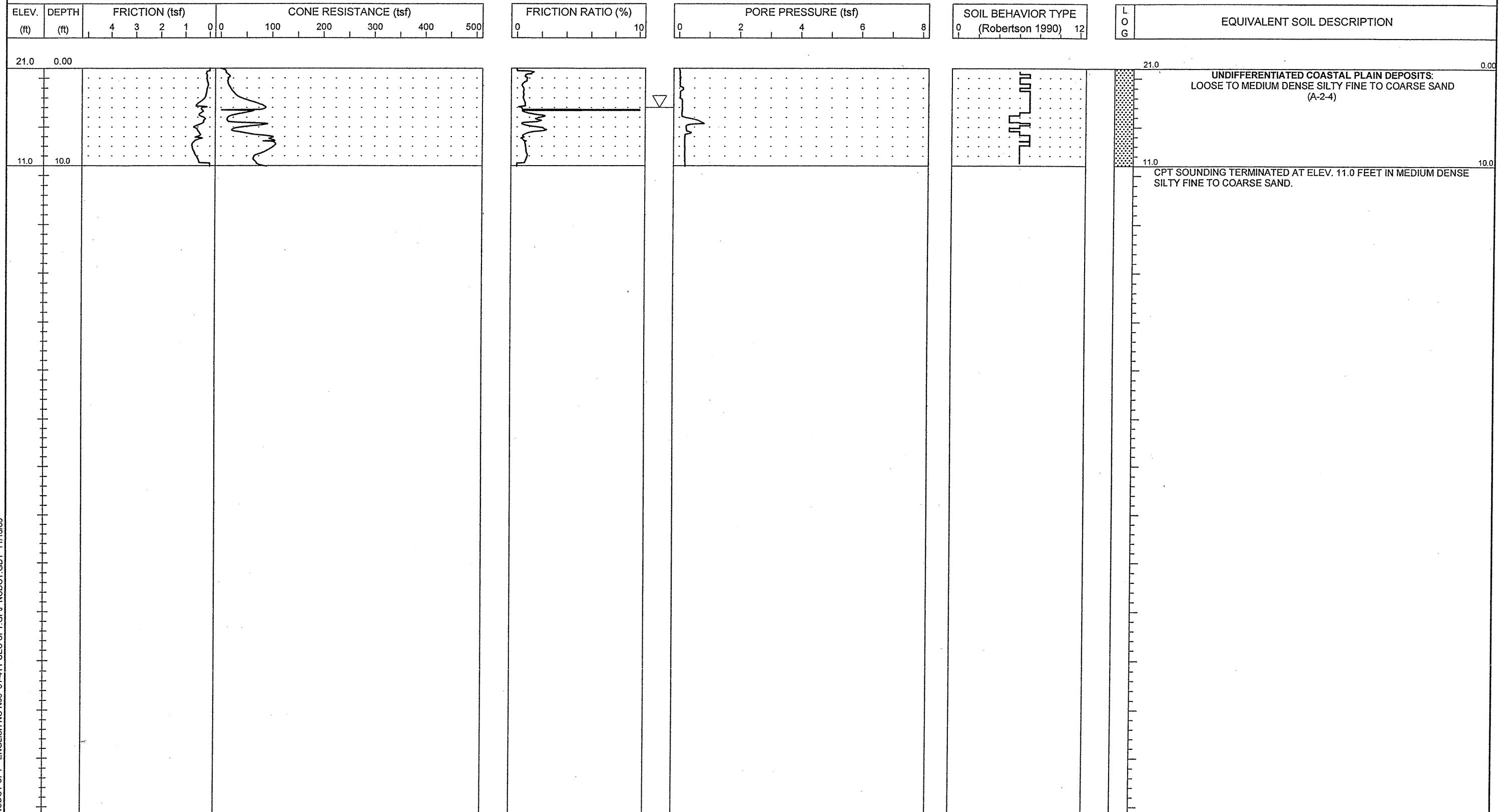
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 20.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-277	BORING LOCATION 15+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_A3-	0 HR. 4.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.0 ft	NORTHING 192,134.7	EASTING 2,297,338.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-278	BORING LOCATION 17+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_A3-	0 HR. 5.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 22.0 ft	NORTHING 192,316.4	EASTING 2,297,267.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

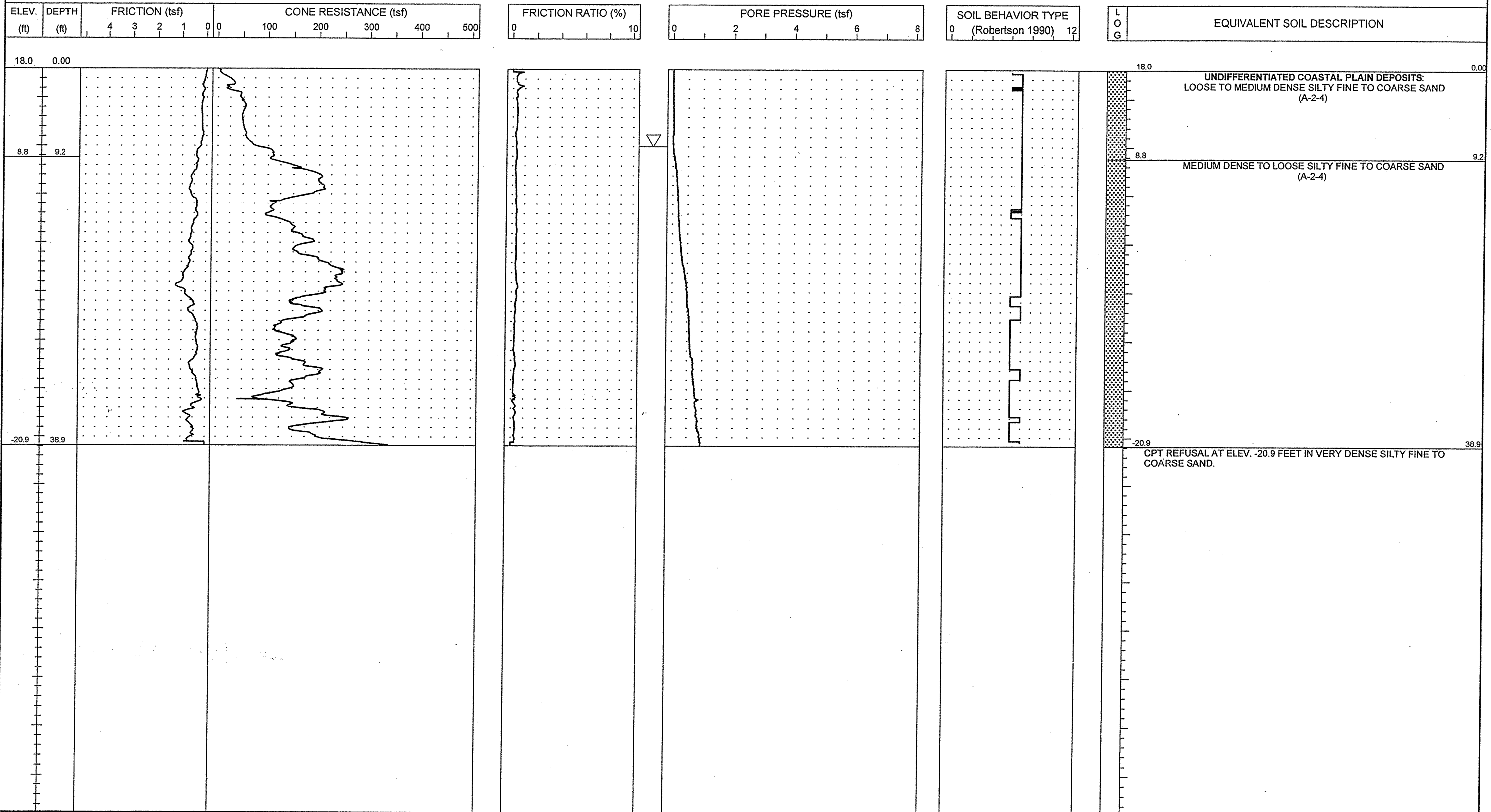


PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-279	BORING LOCATION 22+00	OFFSET 0.0 ft CL	ALIGNMENT -LP_A3-	0 HR. 4.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.0 ft	NORTHING 192,334.7	EASTING 2,296,798.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



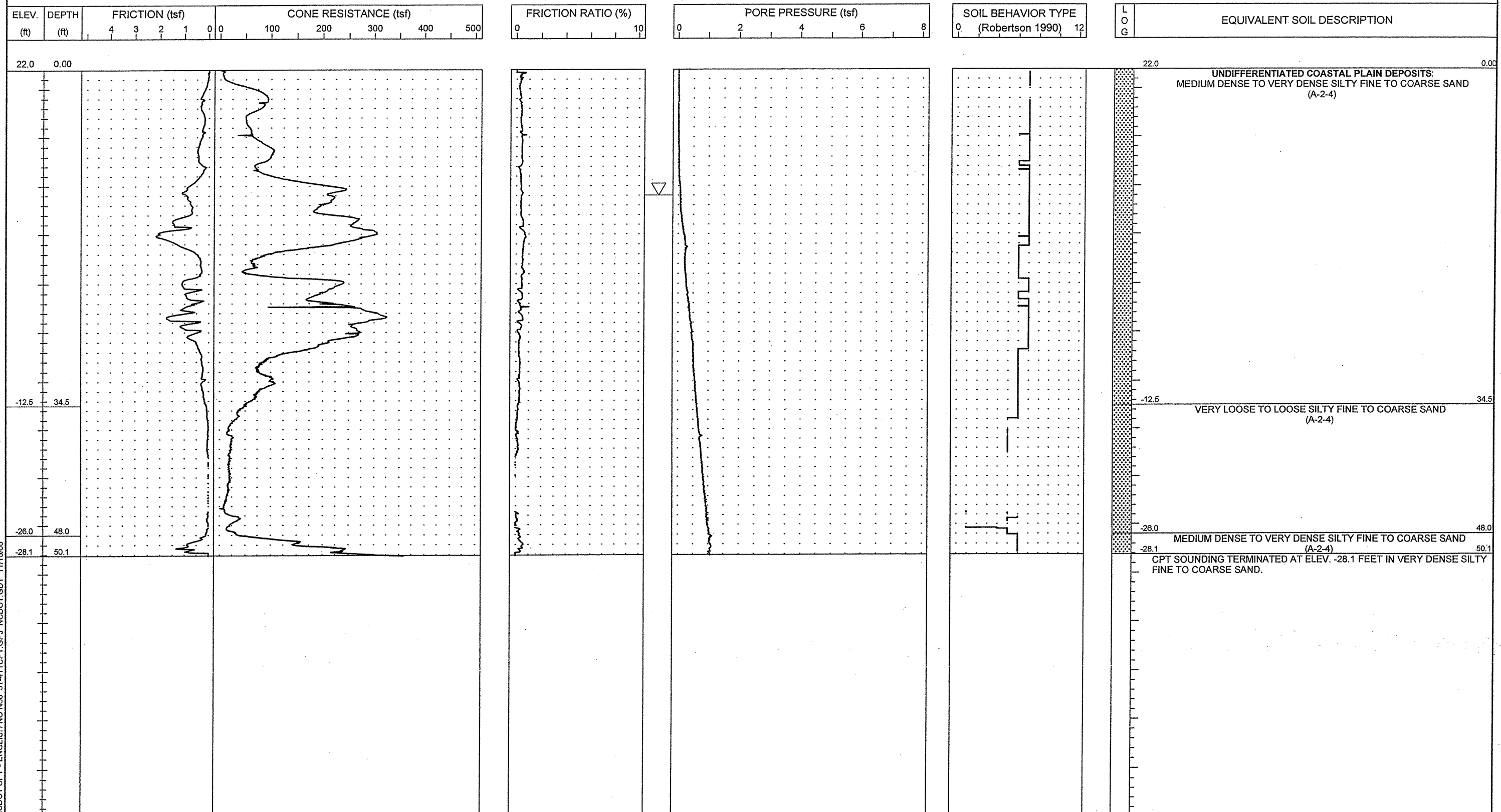


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 38.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-280	BORING LOCATION 11+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C4-	0 HR. 8.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 18.0 ft	NORTHING 196,509.8	EASTING 2,310,596.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





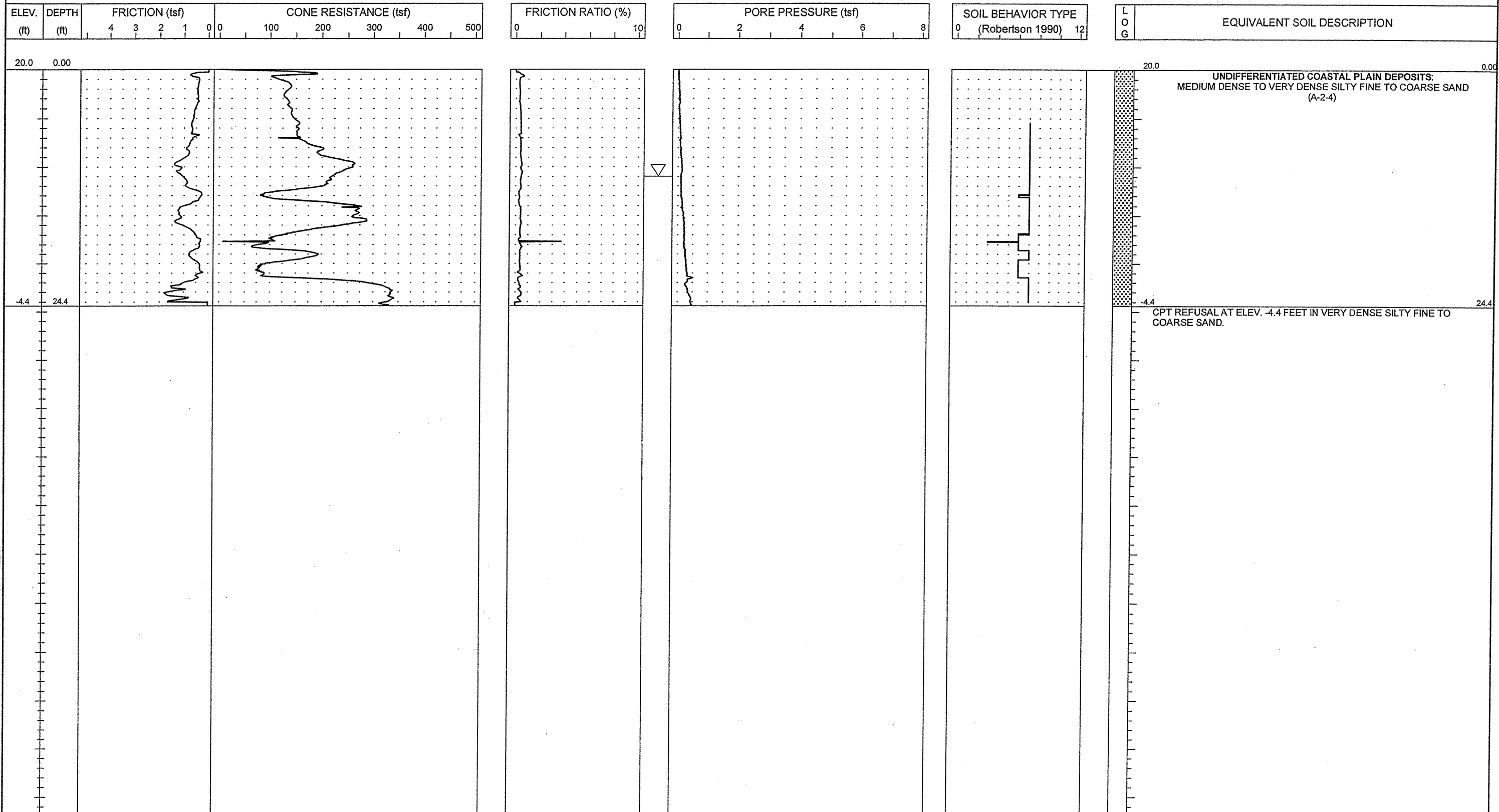
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 50.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-283	BORING LOCATION 17+50	OFFSET 0.0 ft CL	ALIGNMENT -RP_C4-	0 HR. 13.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 22.0 ft	NORTHING 197,004.1	EASTING 2,311,018.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

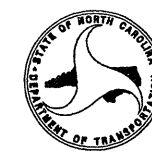


NCDOT CPT - ENGLISH NO. N60 51-411 CPT.GPJ NCDOT.GDT 11/16/06

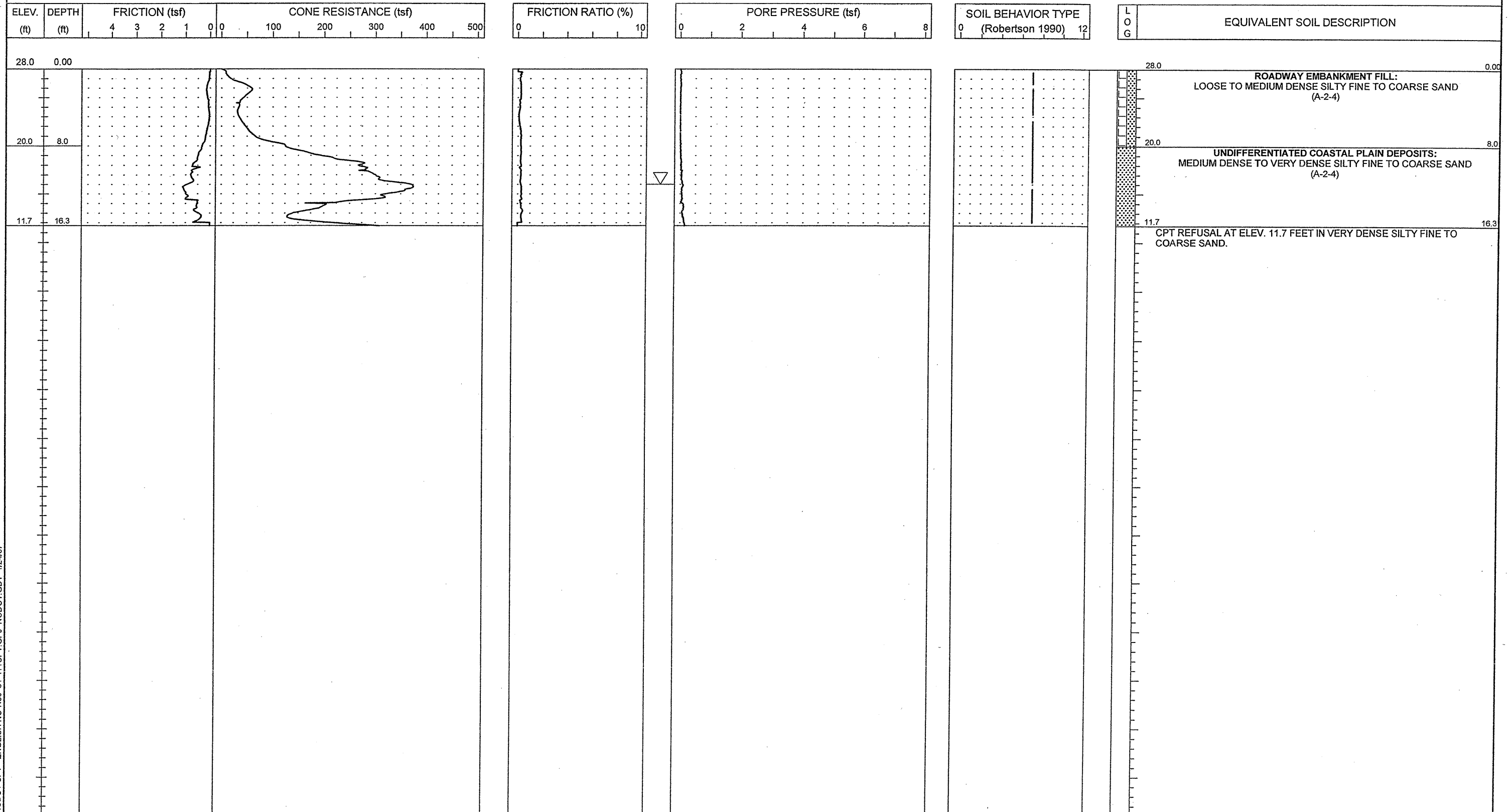


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 24.4 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-284	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C4-	0 HR. 11.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 20.0 ft	NORTHING 197,117.9	EASTING 2,311,116.0	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/A





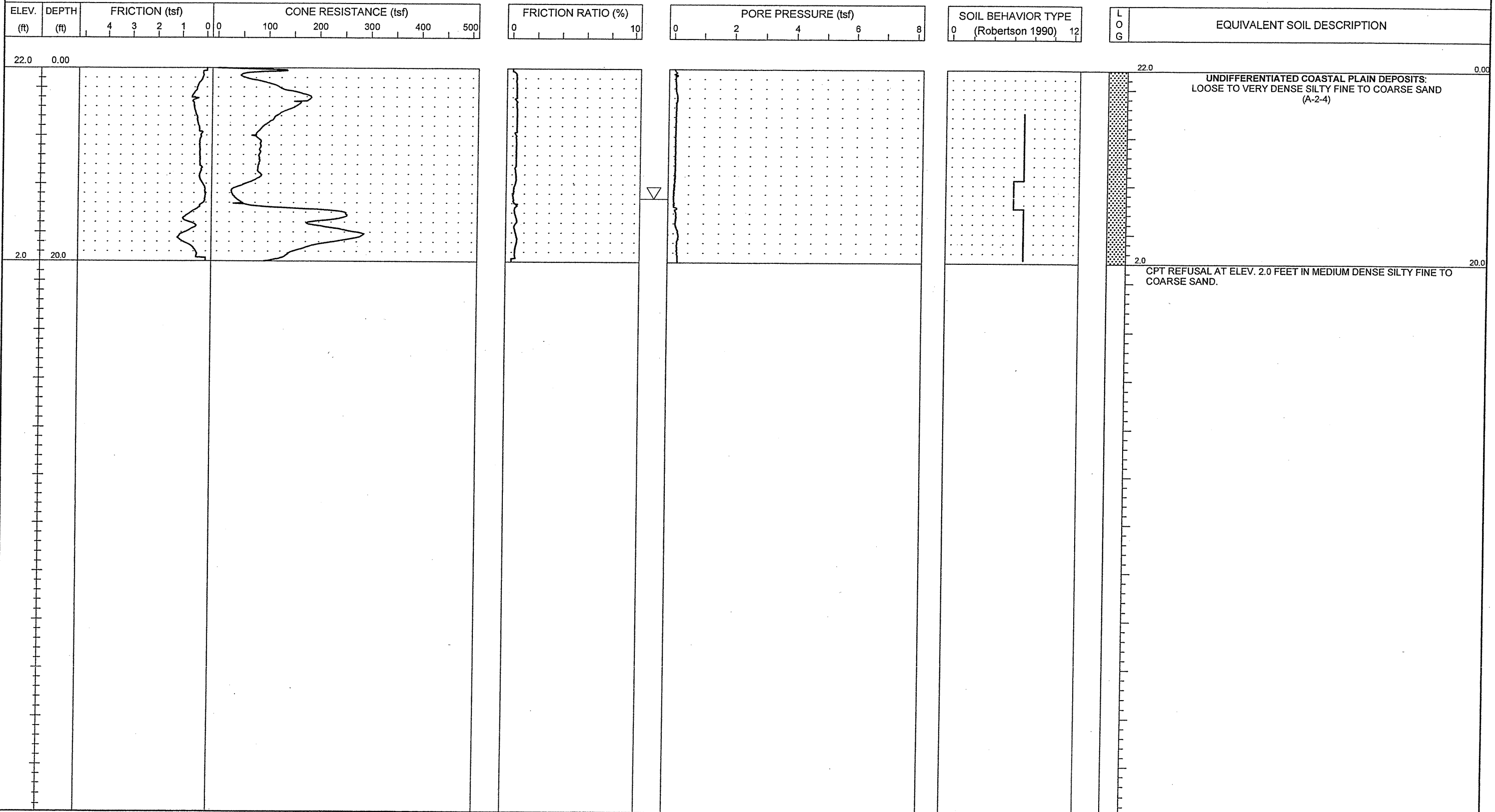
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 16.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-285	BORING LOCATION 21+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C4-	0 HR. 12.0	DATE STARTED 9/28/06	COMPLETED 9/28/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 28.0 ft	NORTHING 197,264.3	EASTING 2,311,252.2		24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN		



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 1/24/07

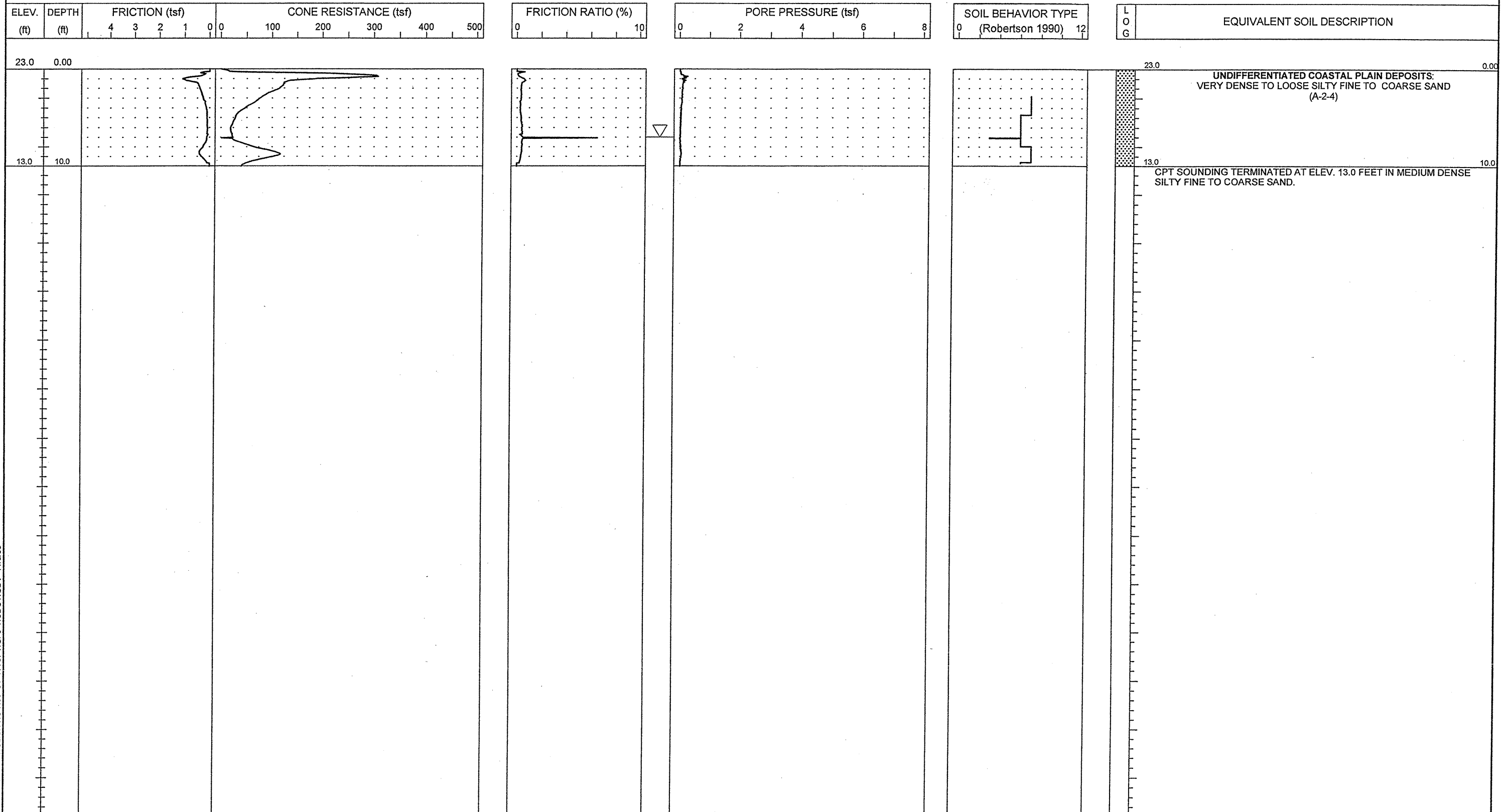


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 20.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-286	BORING LOCATION 23+18	OFFSET 1.0 ft LT	ALIGNMENT -RP_C4-	0 HR. 13.5	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 22.0 ft	NORTHING 197,409.7	EASTING 2,311,414.7	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



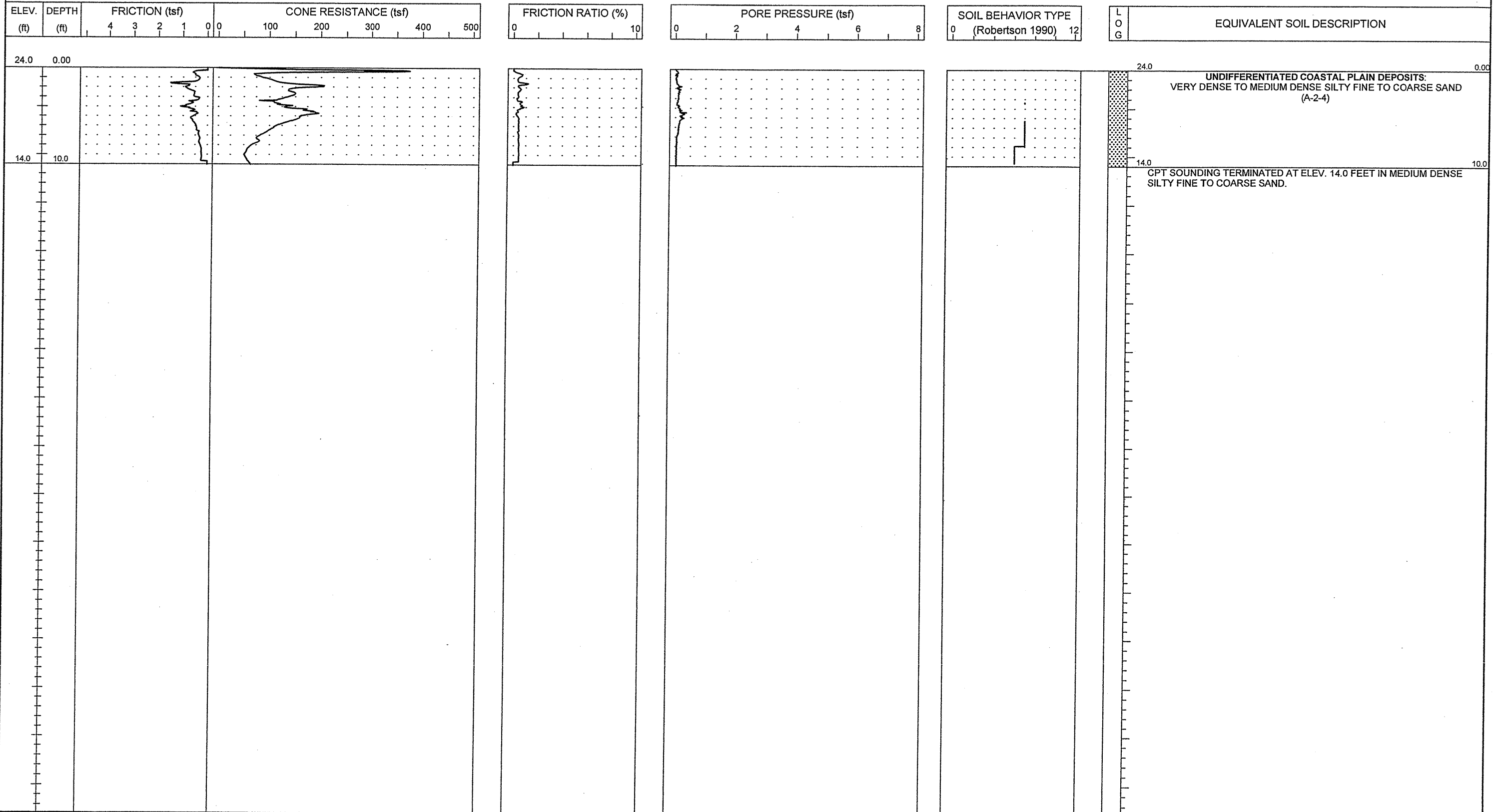


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-287	BORING LOCATION 25+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_C4-	0 HR. 7.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 23.0 ft	NORTHING 197,521.1	EASTING 2,311,558.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



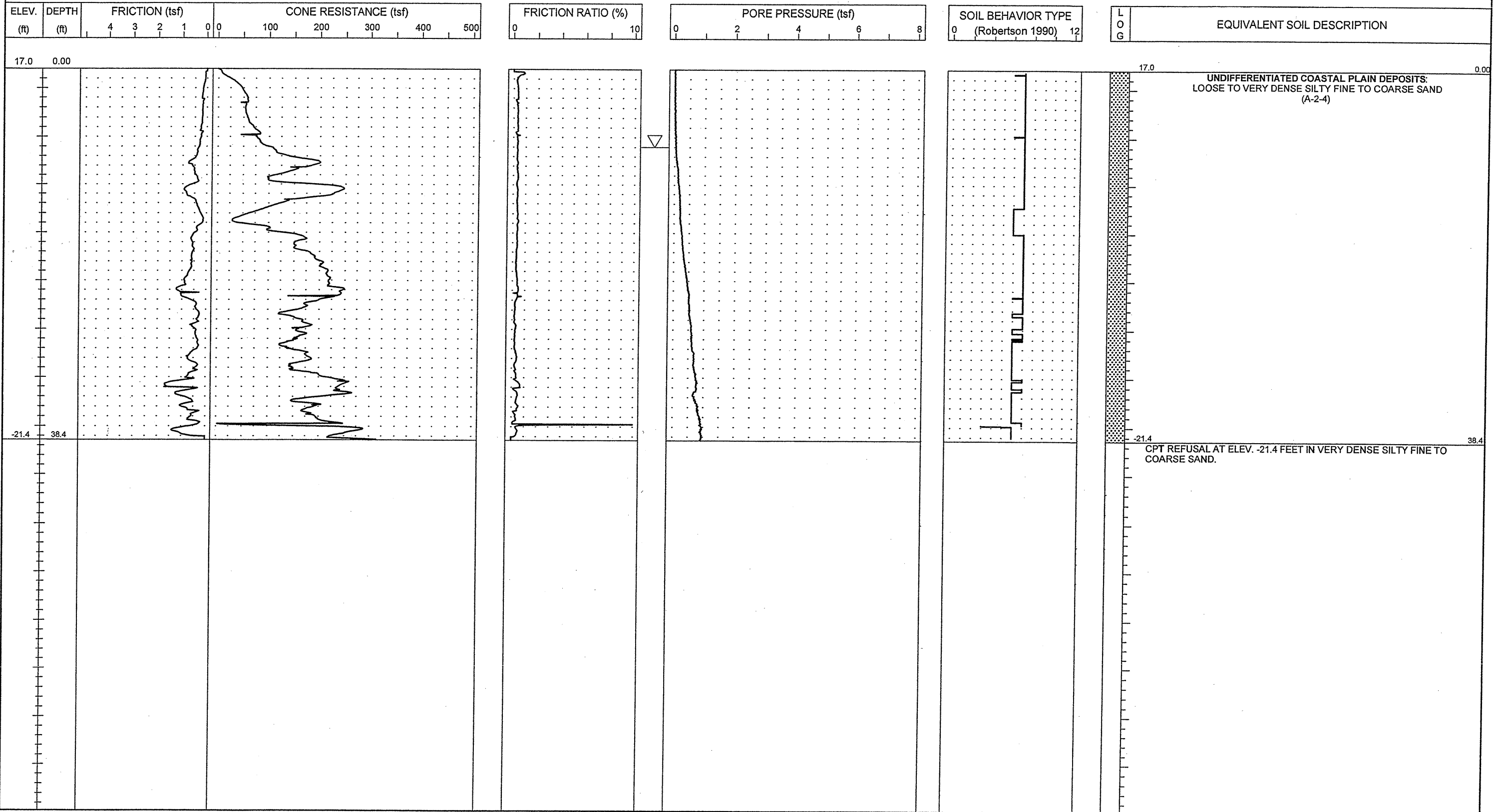


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-288	BORING LOCATION 26+38	OFFSET 2.0 ft LT	ALIGNMENT -RP_C4-	0 HR. N/M	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 24.0 ft	NORTHING 197,600.0	EASTING 2,311,672.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



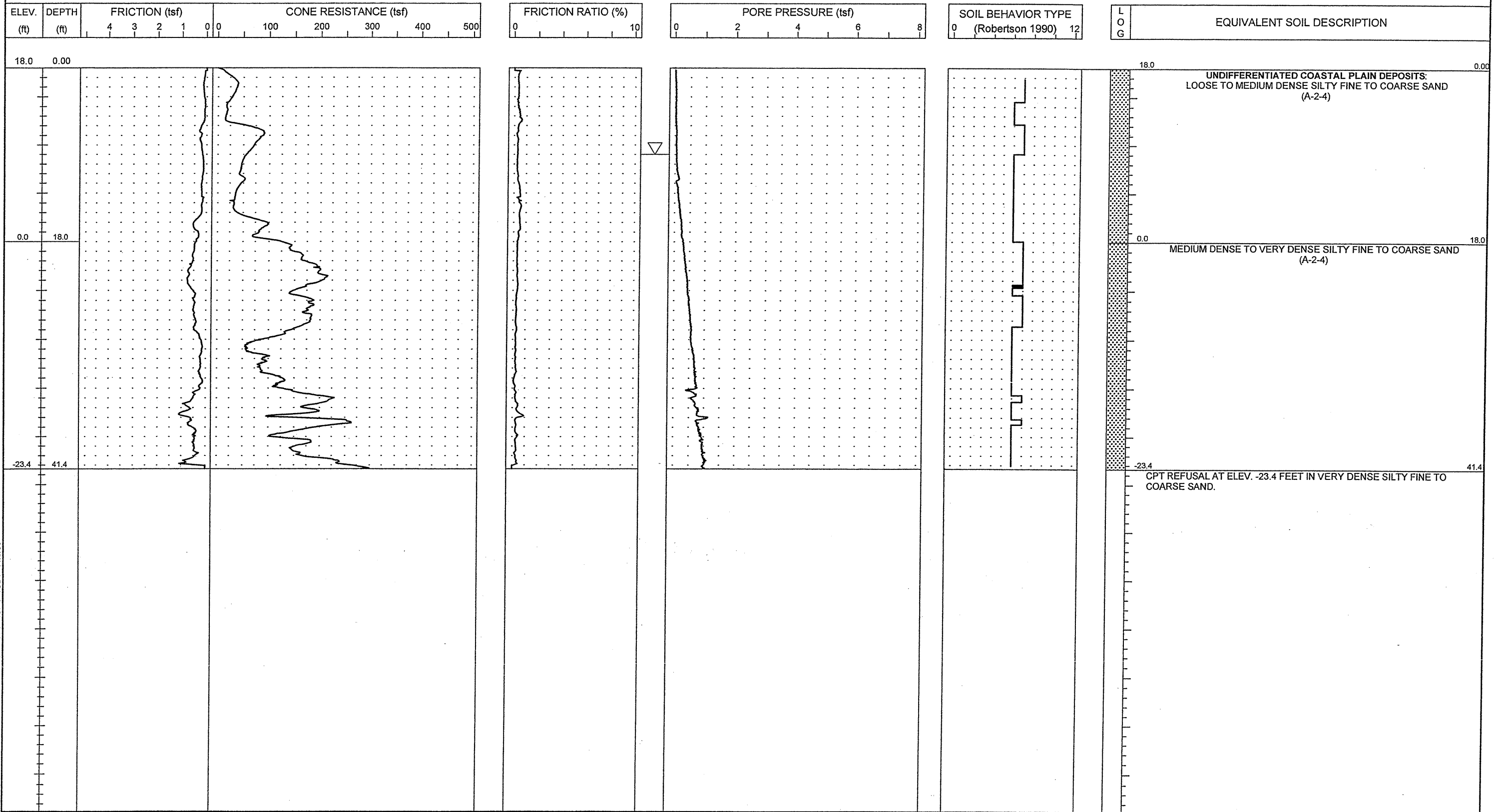
NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 38.4 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-290	BORING LOCATION 14+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 8.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 17.0 ft	NORTHING 196,618.5	EASTING 2,310,522.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 41.4 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-291	BORING LOCATION 16+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 9.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 18.0 ft	NORTHING 196,799.7	EASTING 2,310,606.7	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

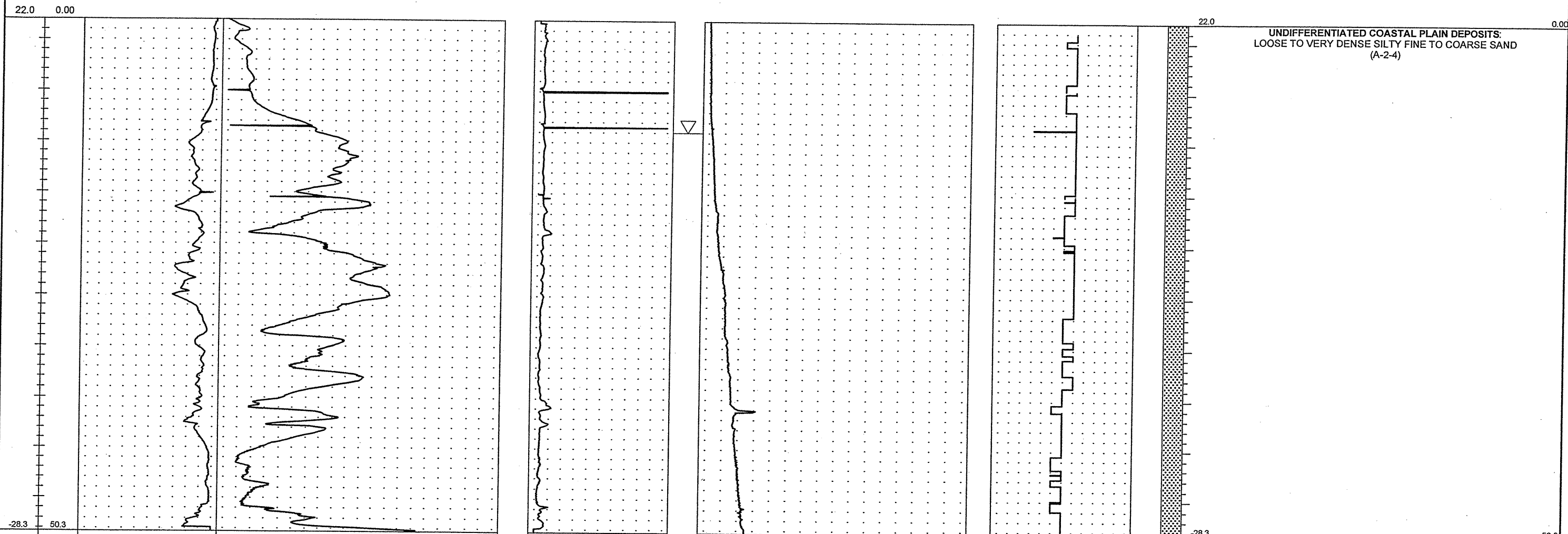


NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 50.3 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-292	BORING LOCATION 18+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 11.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 22.0 ft	NORTHING 196,988.7	EASTING 2,310,671.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		



22.0 0.00

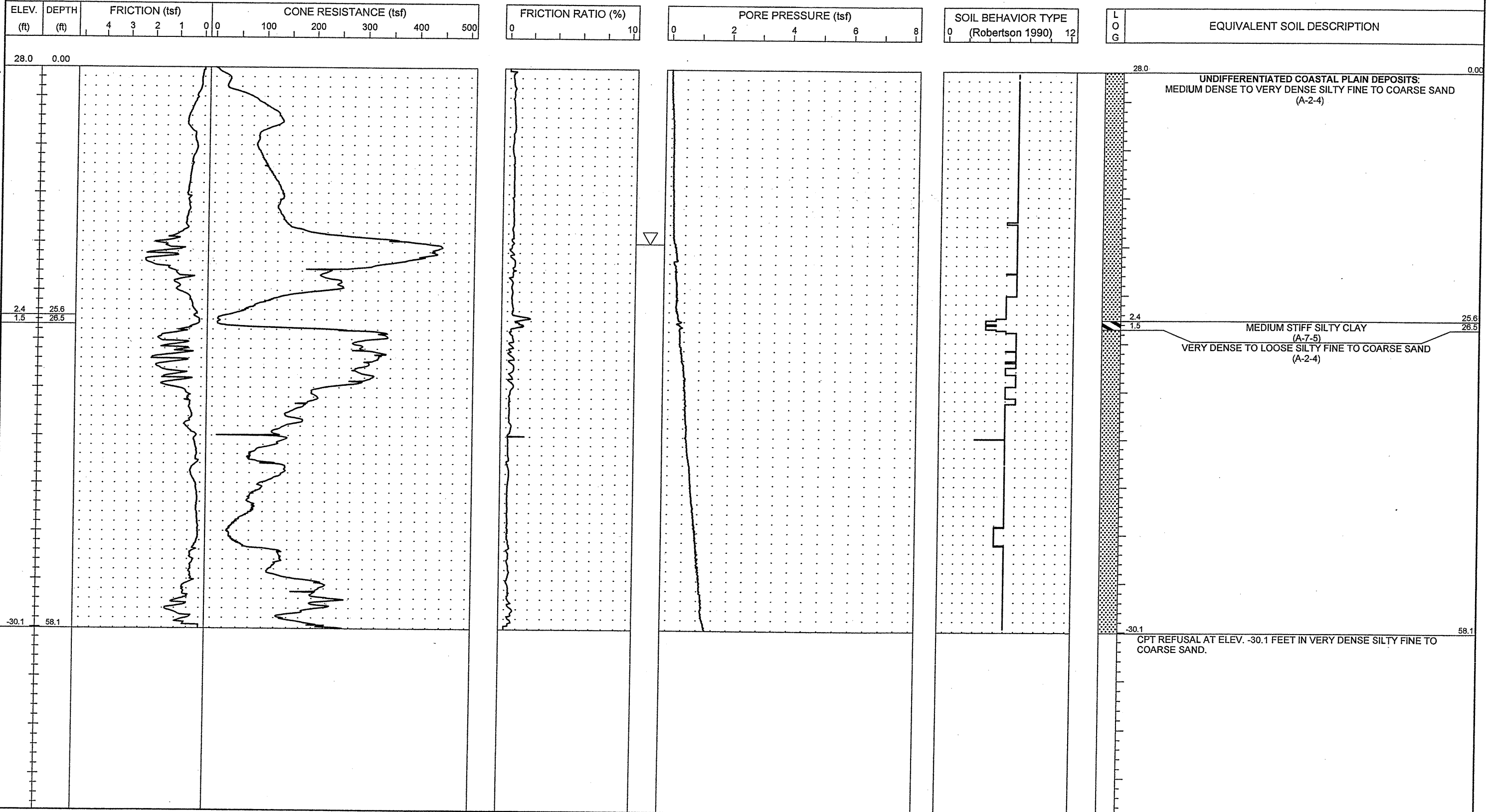
UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:
LOOSE TO VERY DENSE SILTY FINE TO COARSE SAND
(A-2-4)

28.3 50.3

CPT REFUSAL AT ELEV. -28.3 FEET IN VERY DENSE SILTY FINE TO COARSE SAND.

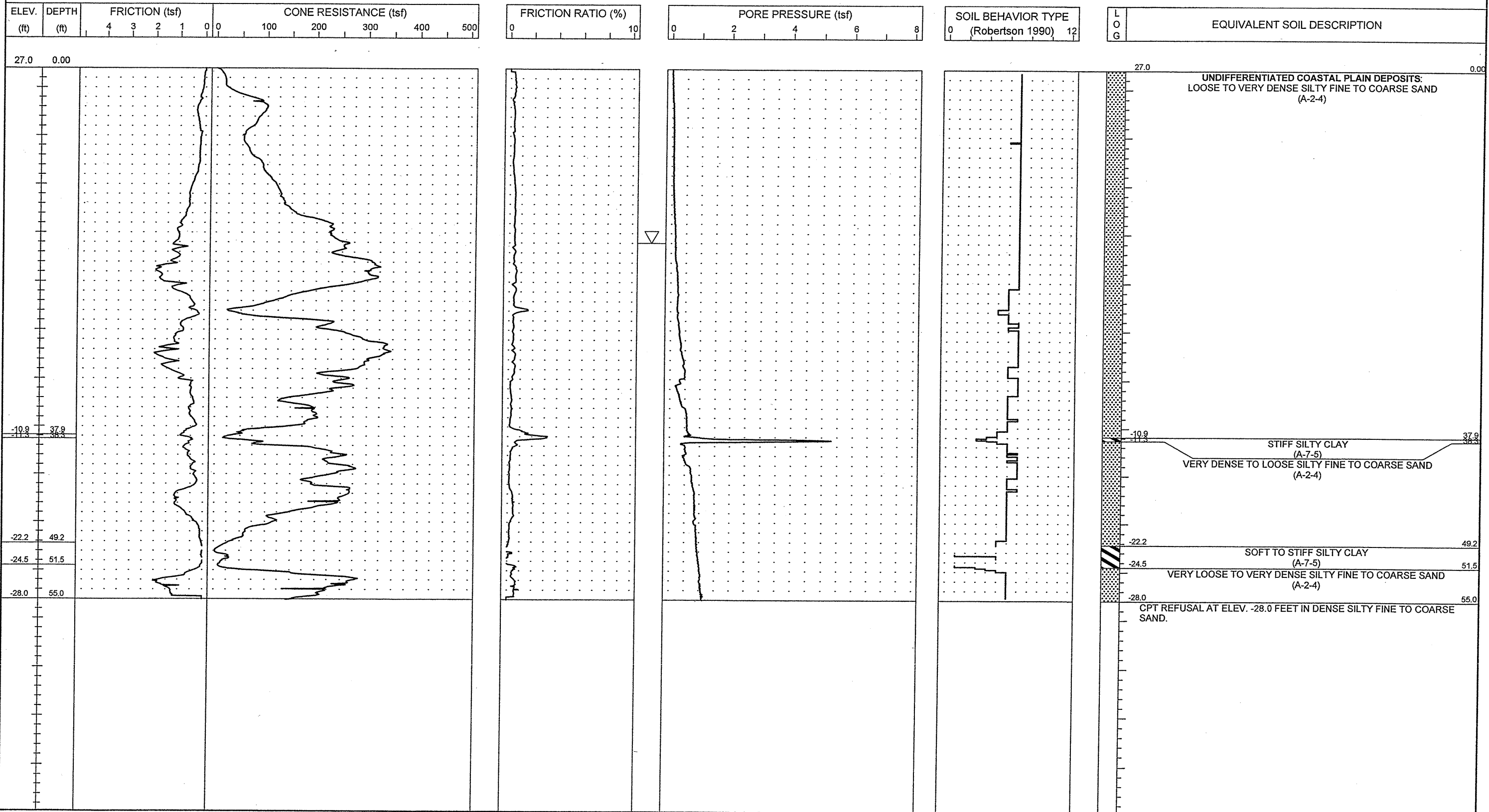
NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 58.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-293	BORING LOCATION 20+50	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 18.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 28.0 ft	NORTHING 197,231.5	EASTING 2,310,731.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		





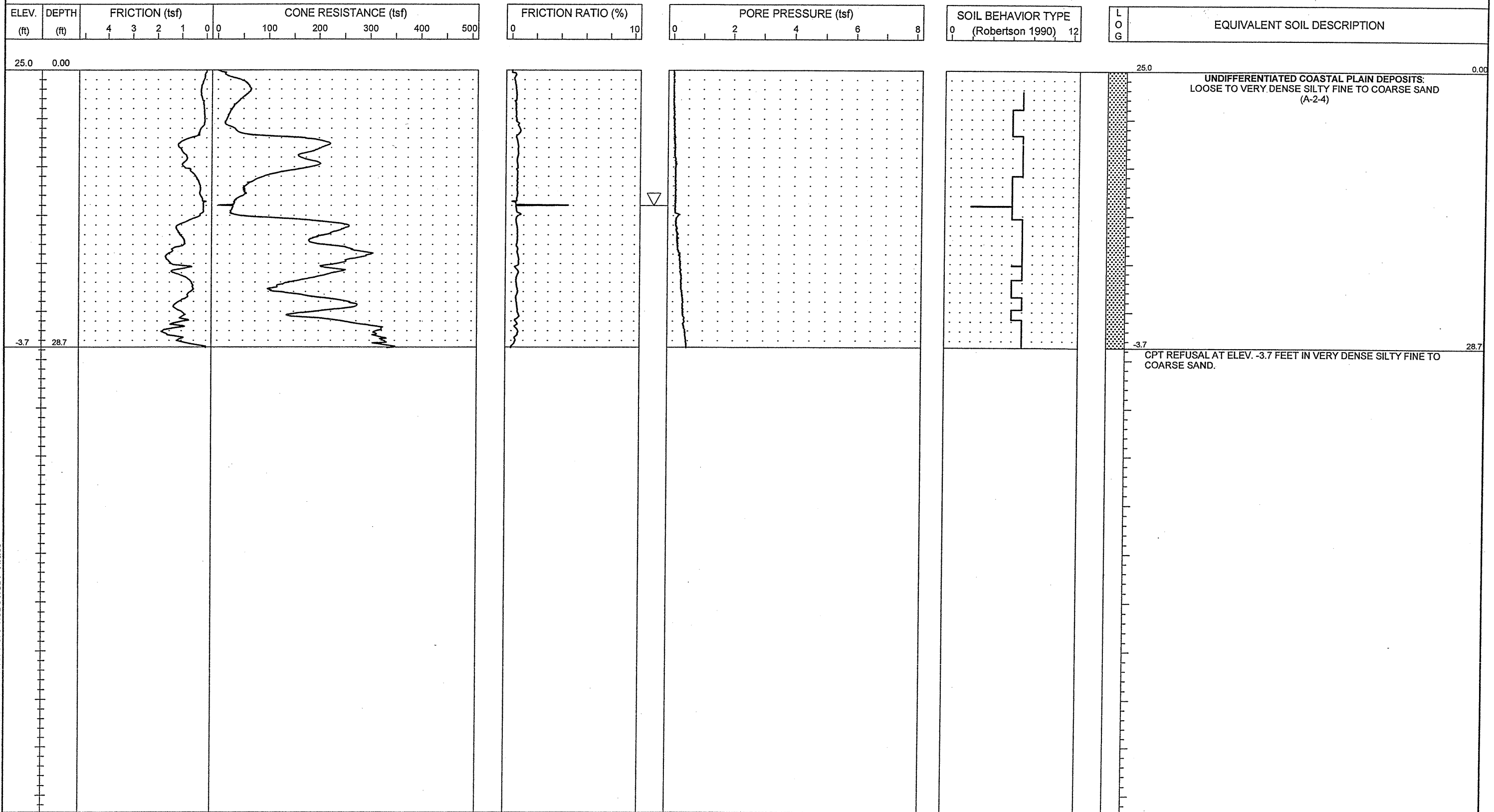
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 55.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-294	BORING LOCATION 22+40	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 18.0	DATE STARTED 9/27/06	COMPLETED 9/27/06
COLLAR ELEV. 27.0 ft	NORTHING 197,416.8	EASTING 2,310,773.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO NEG. 51-411CPT.GPJ NCDOT.GDT 11/8/06

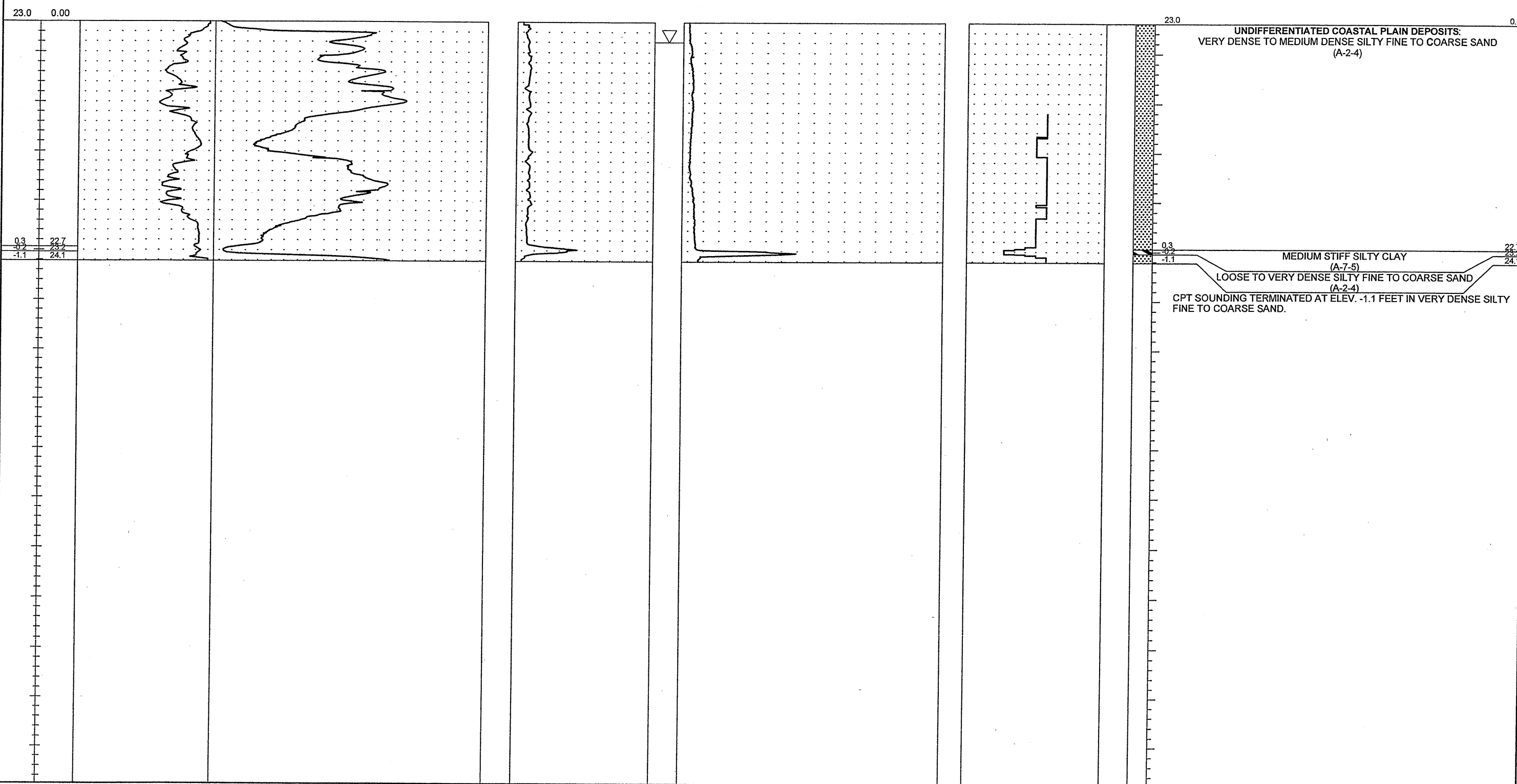


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 28.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-295	BORING LOCATION 25+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 14.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 25.0 ft	NORTHING 197,670.2	EASTING 2,310,831.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 24.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-296	BORING LOCATION 27+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 2.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 23.0 ft	NORTHING 197,864.9	EASTING 2,310,877.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

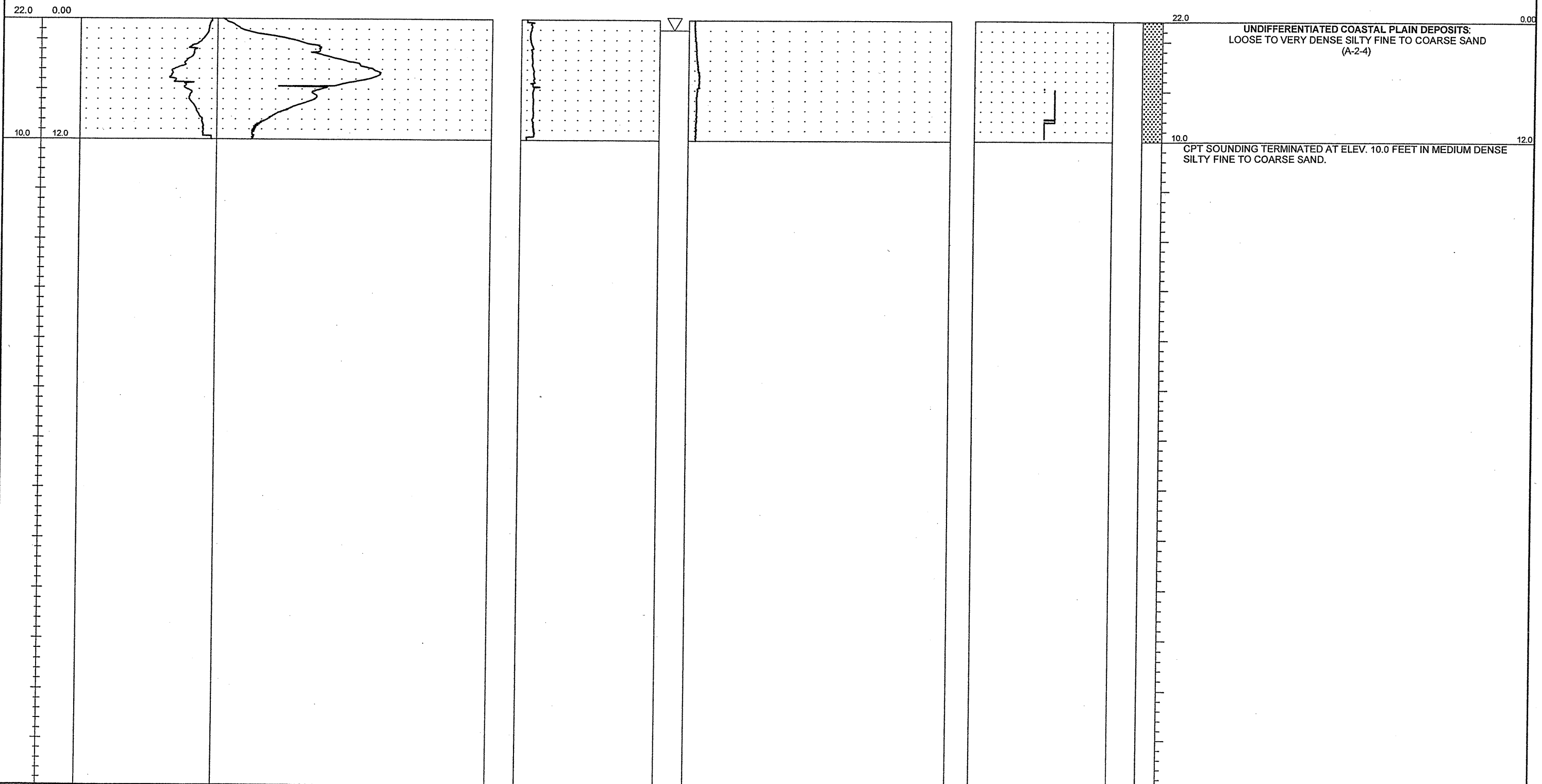
ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	EQUIVALENT SOIL DESCRIPTION
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PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 12.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-297	BORING LOCATION 29+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 1.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 22.0 ft	NORTHING 198,046.1	EASTING 2,310,959.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

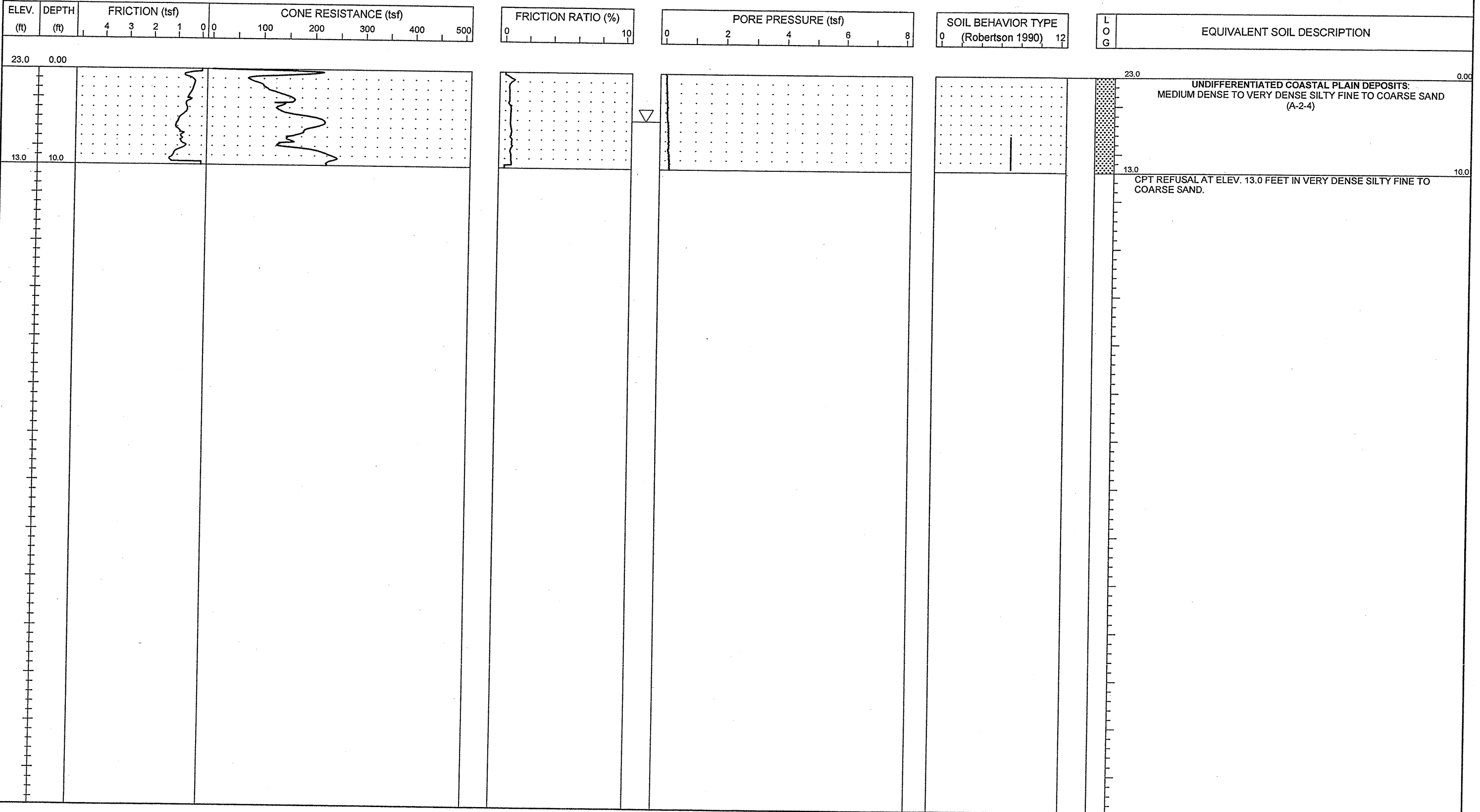
ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/06/06



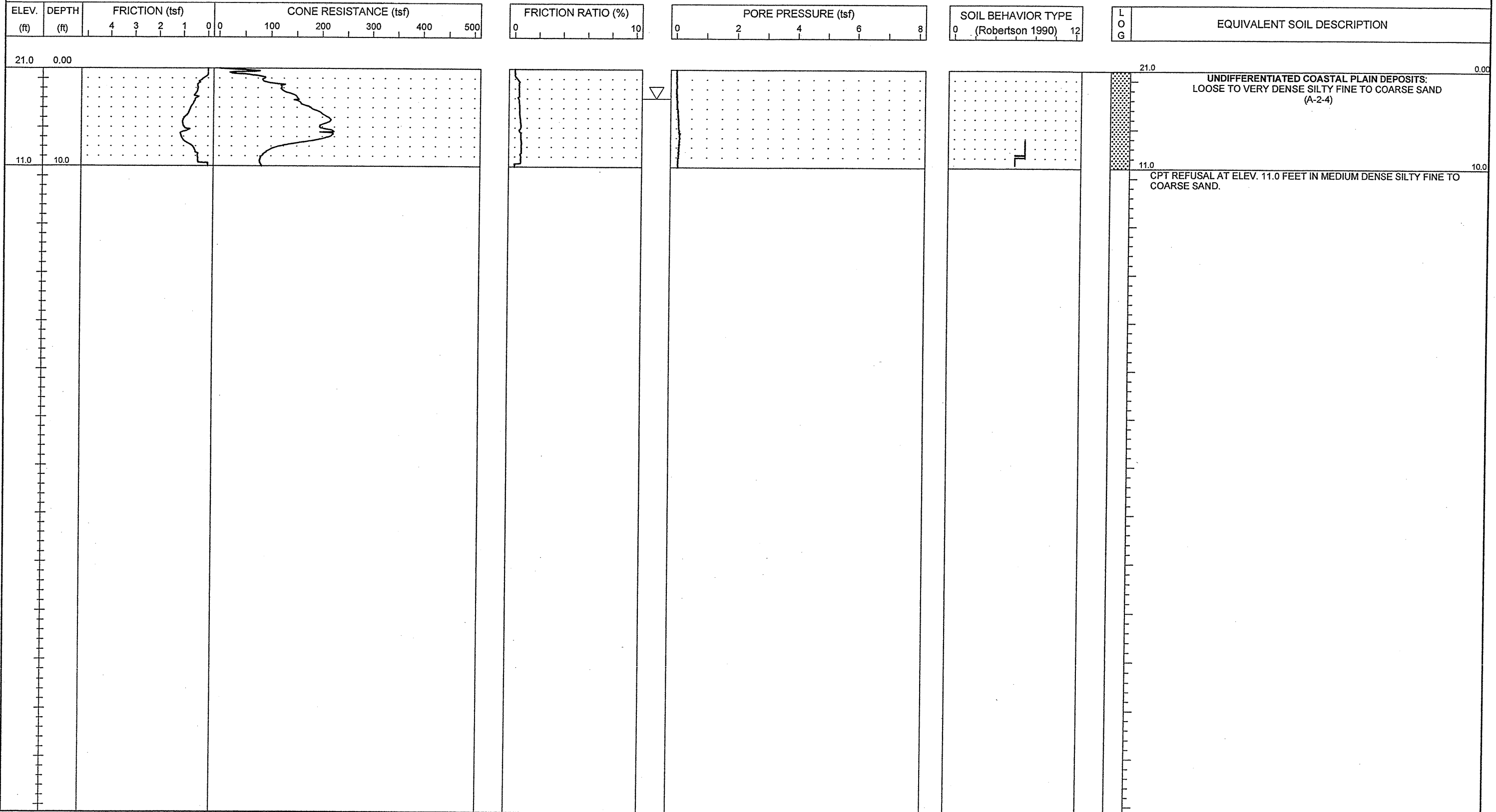
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. G-298	BORING LOCATION 31+13	OFFSET 21.0 ft LT	ALIGNMENT -RP_B4-	0 HR. 5.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 23.0 ft	NORTHING 198,207.3	EASTING 2,311,103.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
				HAMMER TYPE N/A		



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06



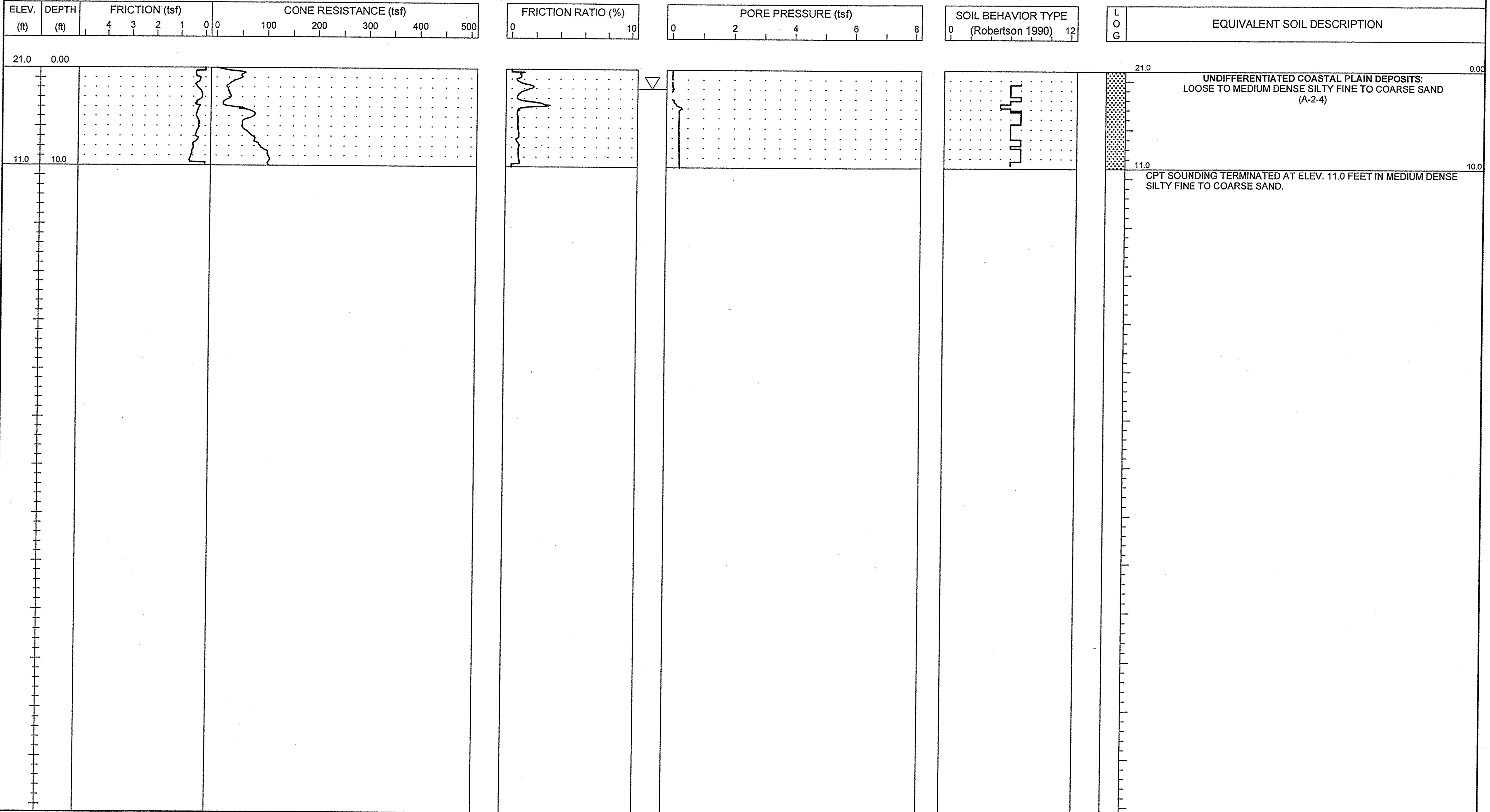
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY Brunswick / New Hanover	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-299	BORING LOCATION 33+00	OFFSET 0.0 ft CL	ALIGNMENT -RP_B4-	0 HR. 3.0	DATE STARTED 9/28/06	COMPLETED 9/28/06
COLLAR ELEV. 21.0 ft	NORTHING 198,290.4	EASTING 2,311,272.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411CPT.GPJ NCDOT.GDT 11/8/06



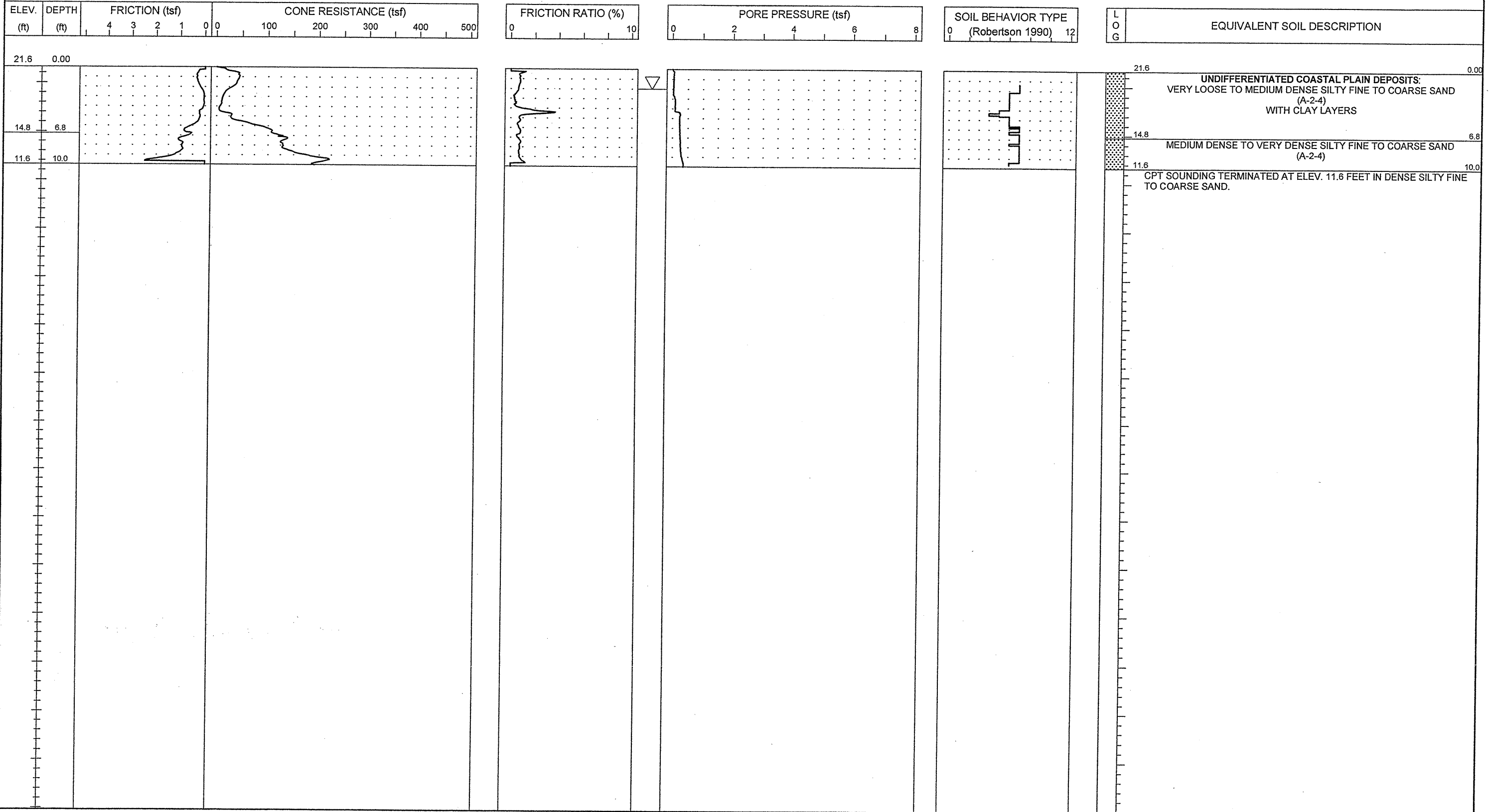
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-300	BORING LOCATION 15+00	OFFSET 12.0 ft RT	ALIGNMENT -Y8-	0 HR. 2.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.0 ft	NORTHING 193,106.5	EASTING 2,296,203.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
				HAMMER TYPE N/A		



NCDOT CPT - ENGLISH NO N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/13/06

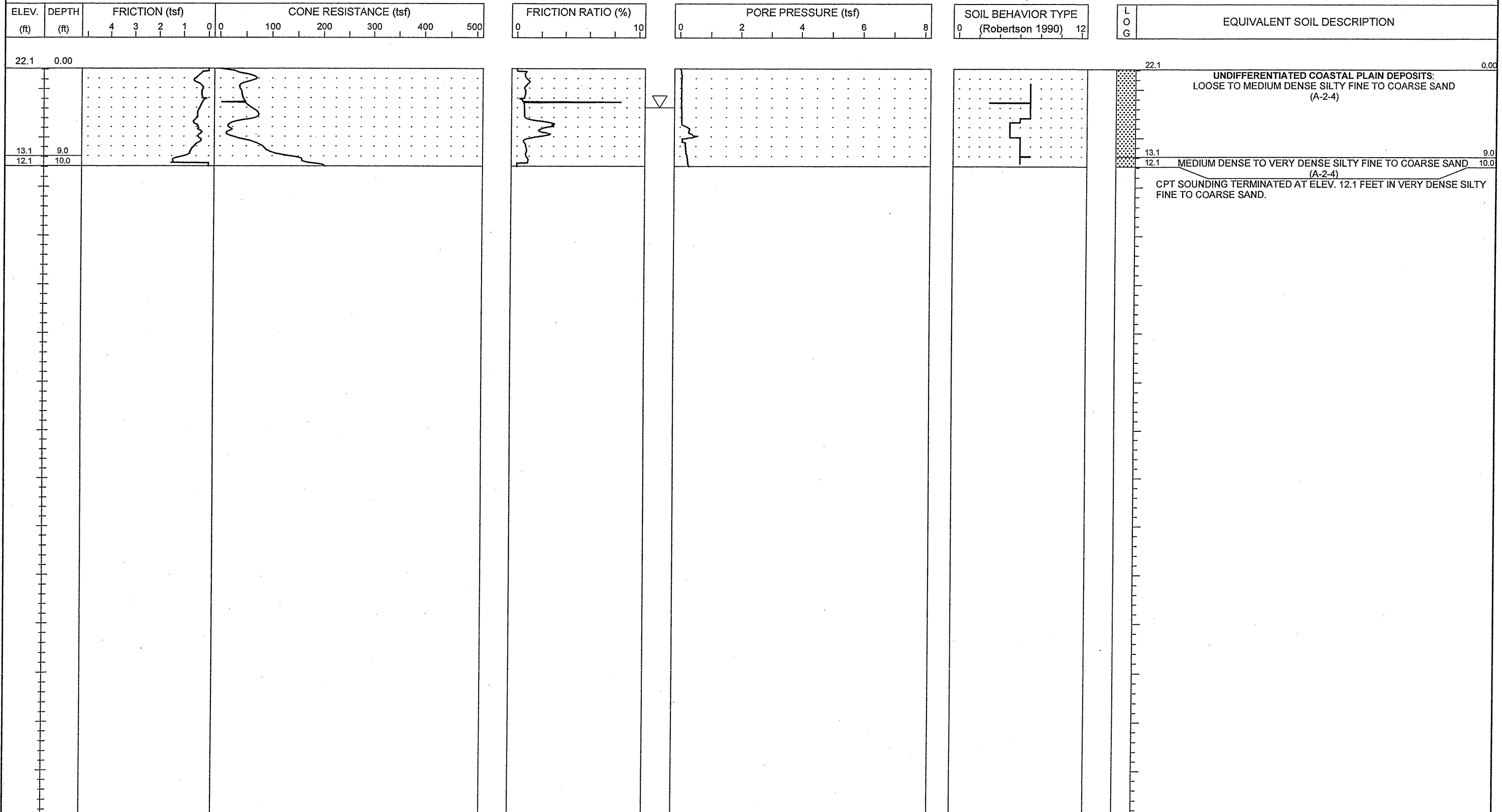


PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-301	BORING LOCATION 17+00	OFFSET 13.0 ft RT	ALIGNMENT -Y8-	0 HR. 2.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.6 ft	NORTHING 192,931.0	EASTING 2,296,299.3	24 HR. N/M	DRILLER: RUPERTO	TECHNICIAN SHAWN	SURFACE WATER DEPTH N/M
				HAMMER TYPE N/A		



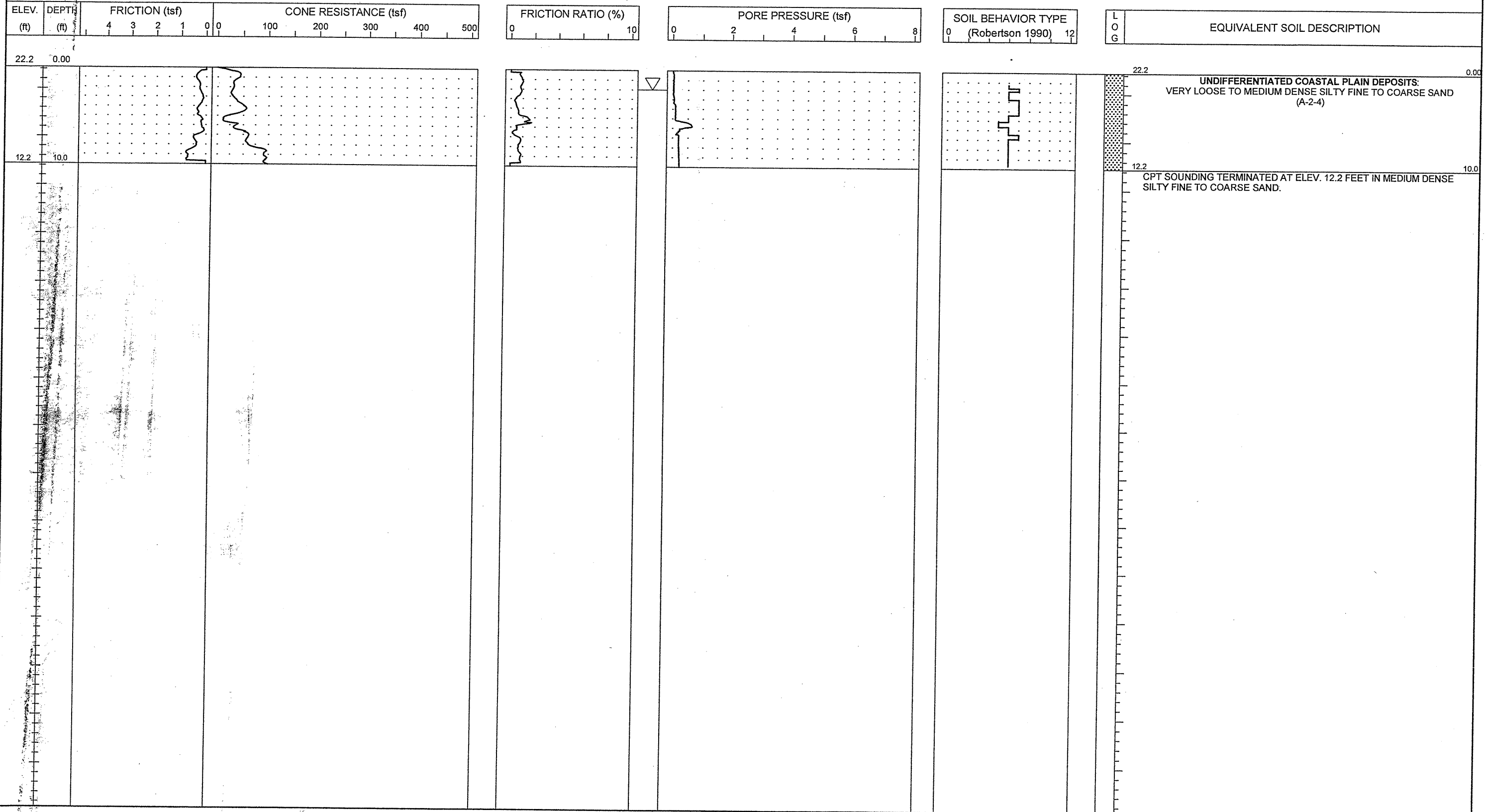


PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-302	BORING LOCATION 19+00	OFFSET 9.0 ft RT	ALIGNMENT -Y8-	0 HR. 4.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 22.1 ft	NORTHING 192,757.9	EASTING 2,296,399.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M





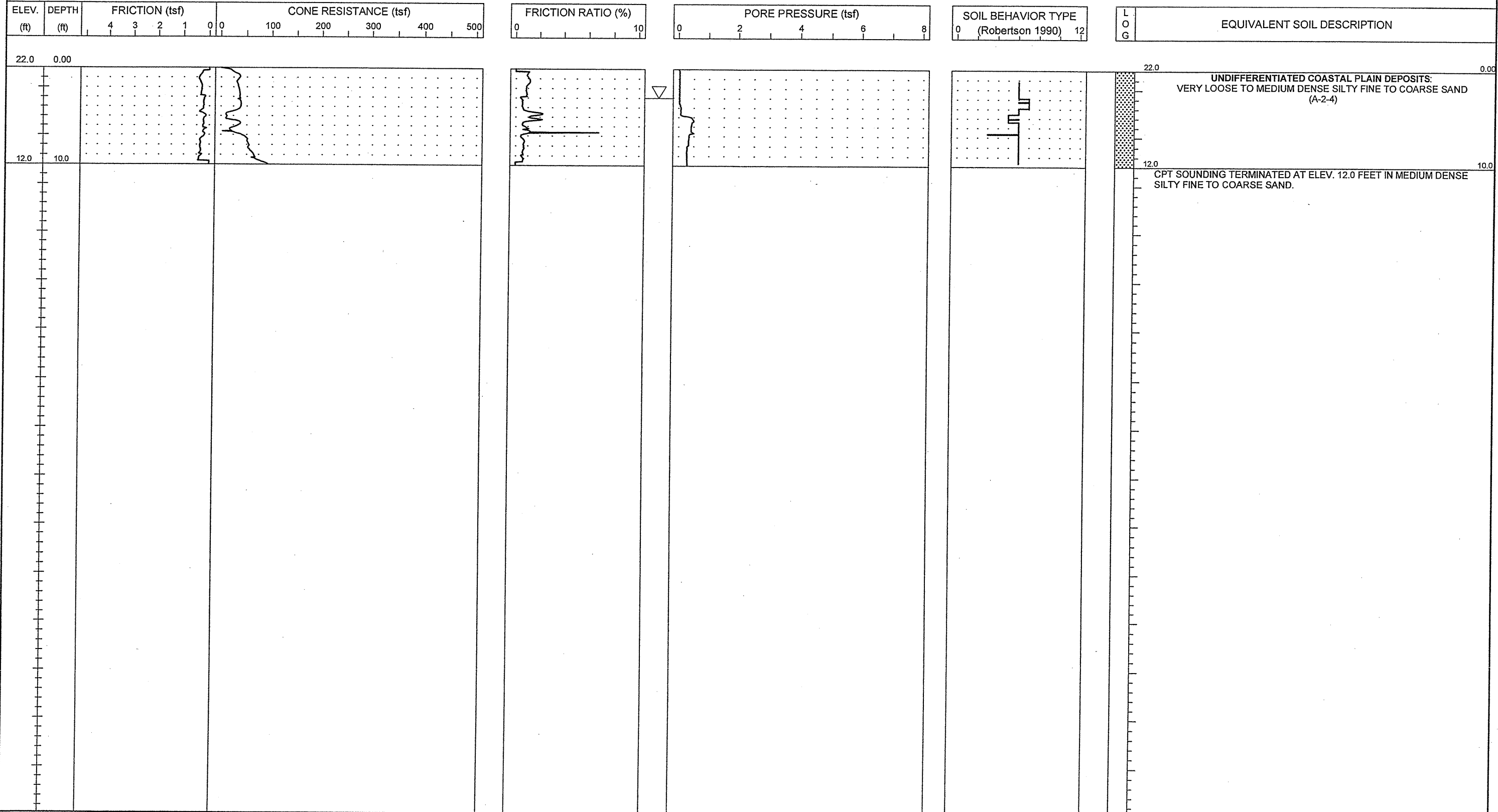
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-304	BORING LOCATION 23+00	OFFSET 8.0 ft RT	ALIGNMENT -Y8-	0 HR. 2.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 22.2 ft	NORTHING 192,408.4	EASTING 2,296,594.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
HAMMER TYPE N/A						



NCDOT CPT - ENGLISH NO N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/13/06



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-305	BORING LOCATION 25+00	OFFSET 8.0 ft RT	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 22.0 ft	NORTHING 192,233.3	EASTING 2,296,690.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

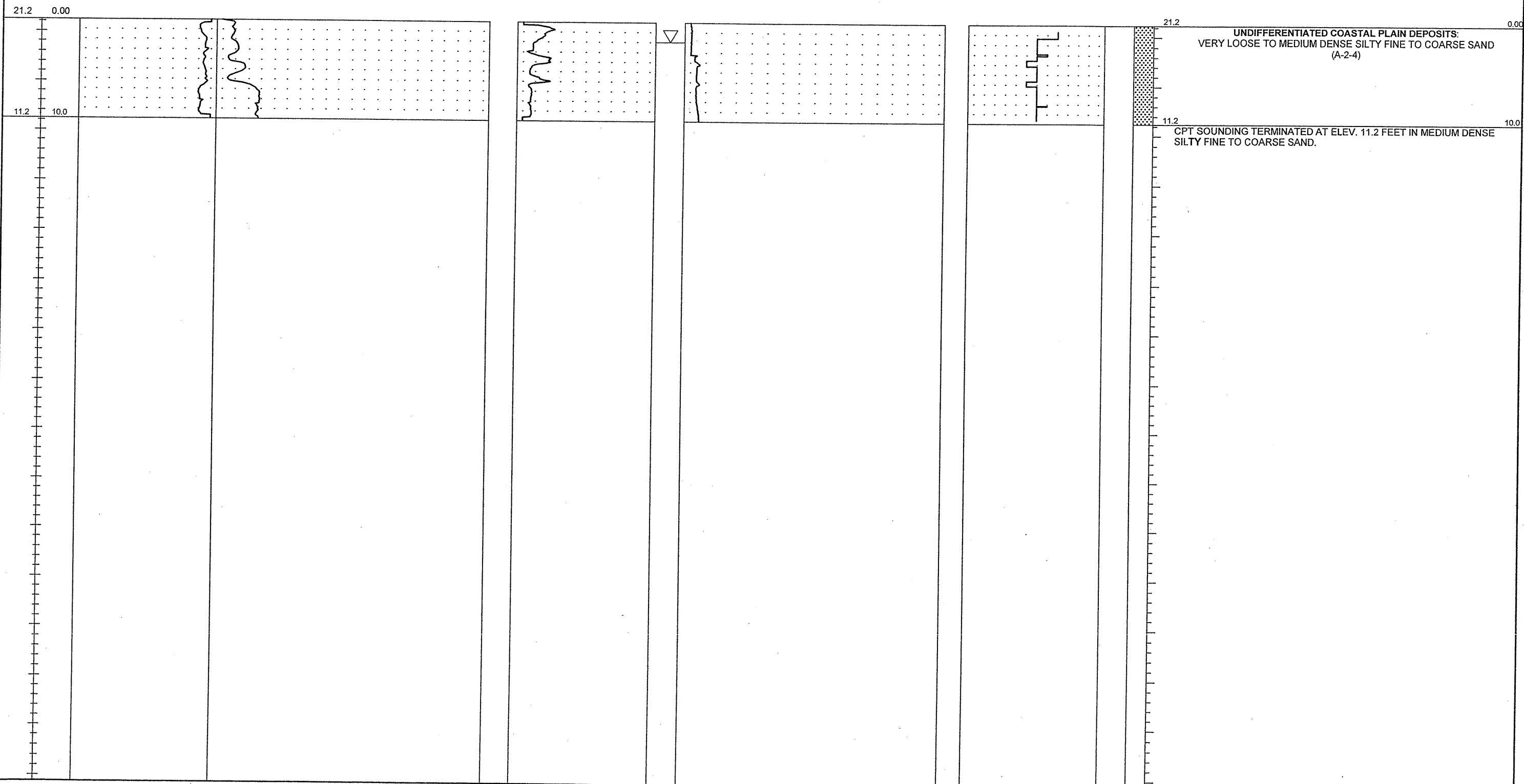


NCDOT CPT - ENGLISH NO N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/13/06



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-306	BORING LOCATION 27+00	OFFSET 48.0 ft LT	ALIGNMENT -Y8-	0 HR. 2.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.2 ft	NORTHING 192,085.4	EASTING 2,296,836.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

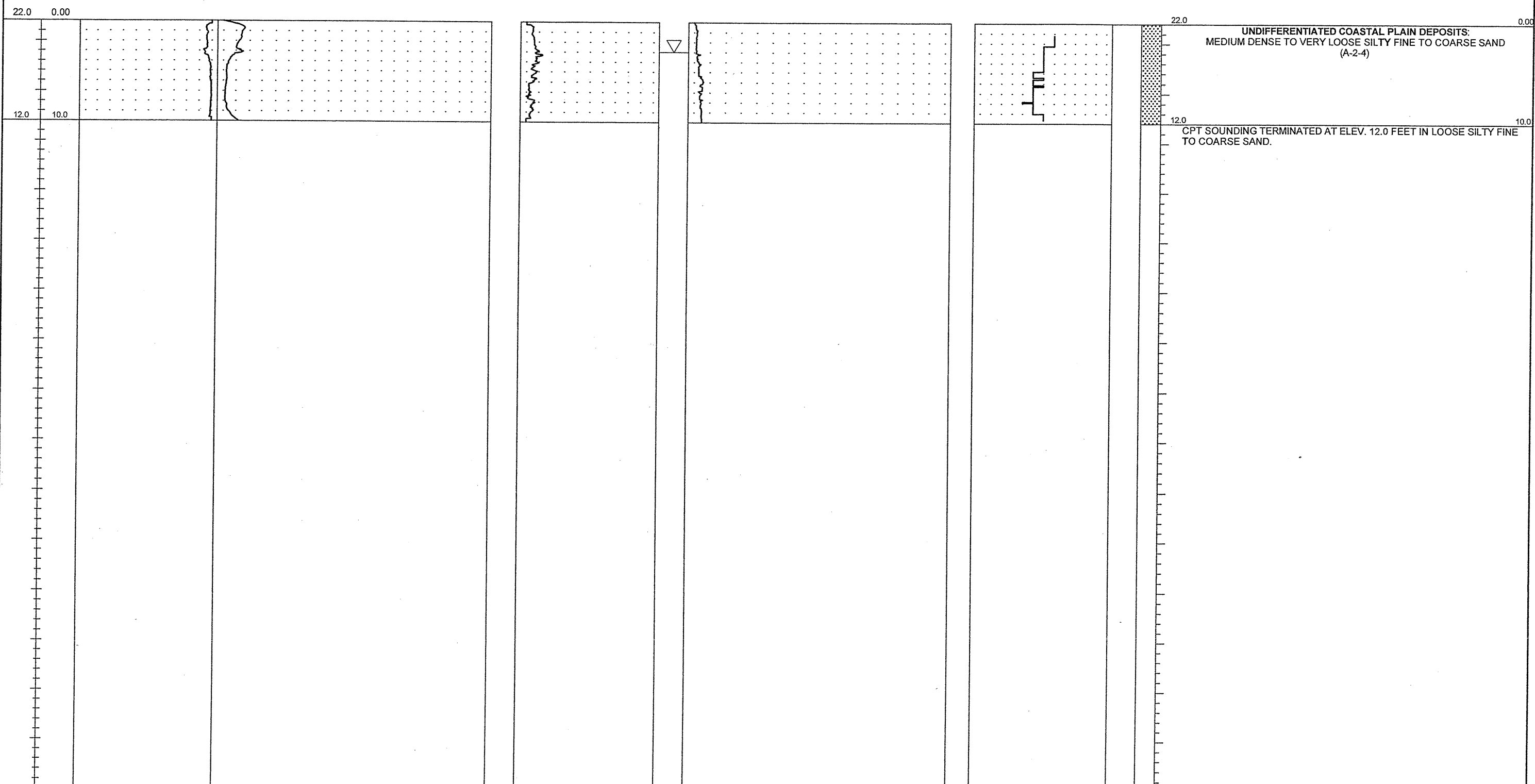
ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		





PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-307	BORING LOCATION 31+00	OFFSET 41.0 ft LT	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 22.0 ft	NORTHING 191,714.3	EASTING 2,296,999.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

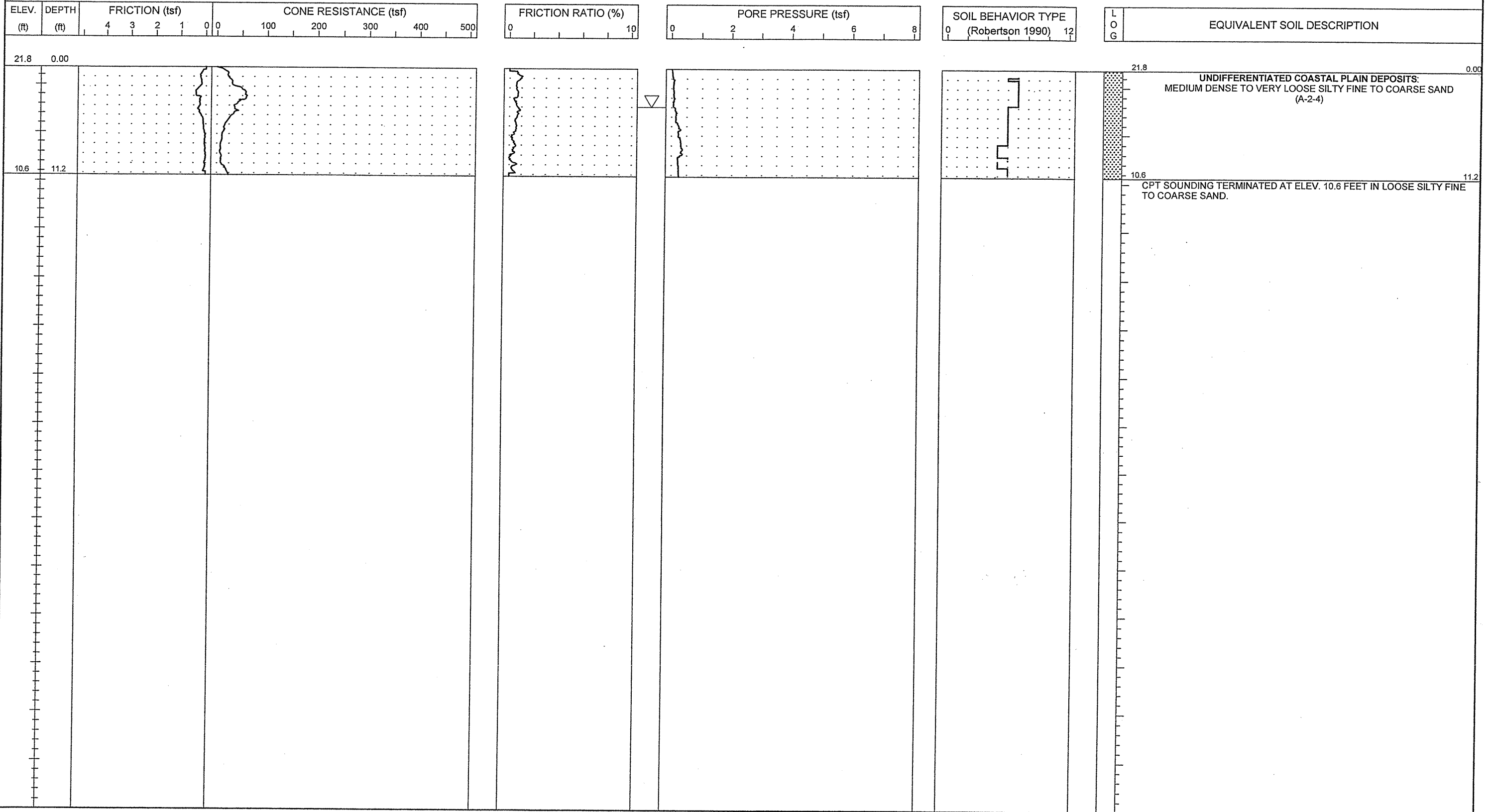
ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
		4 3 2 1 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		



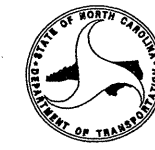
NCDOT CPT - ENGLISH NO N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/13/06



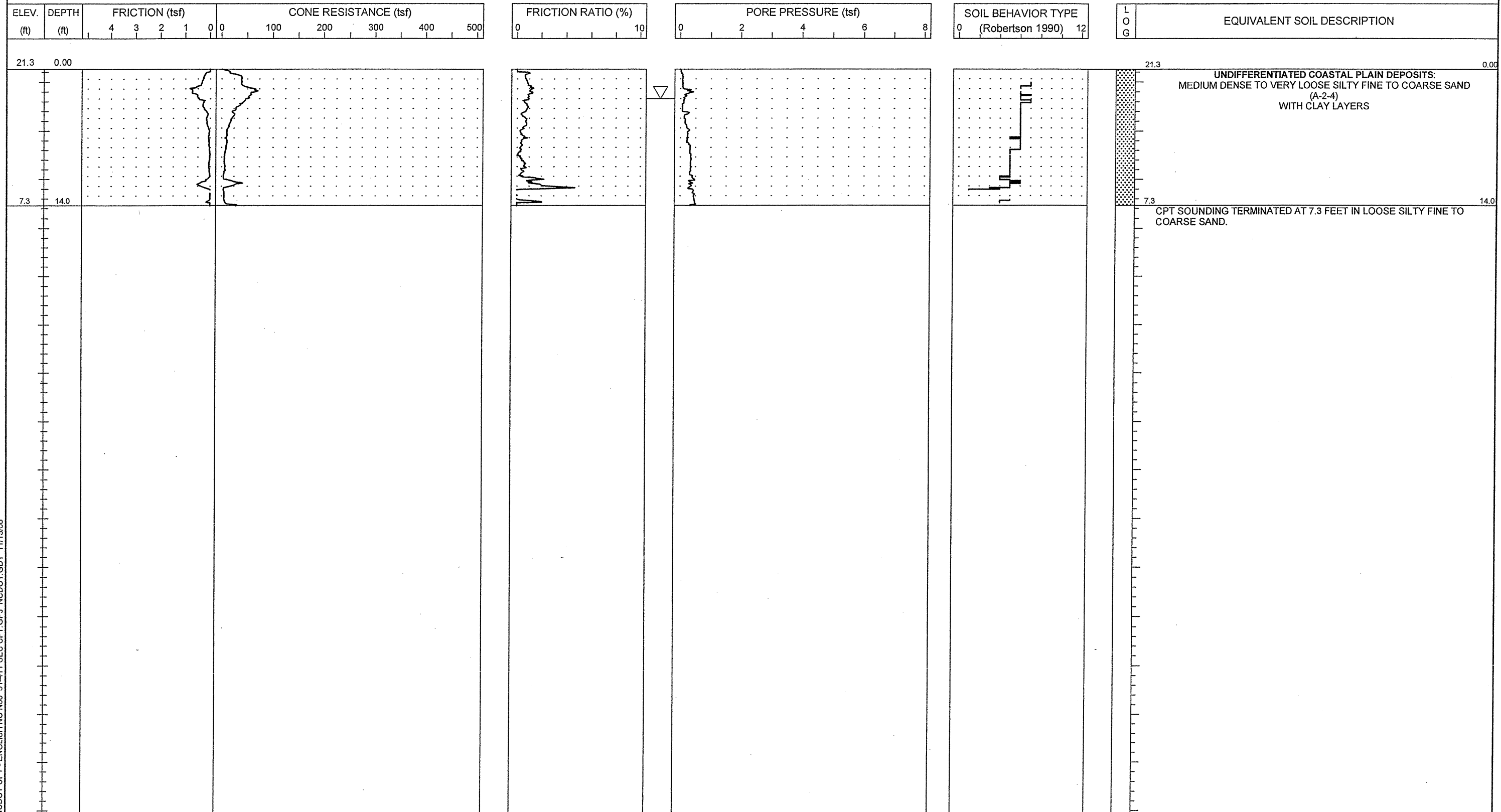
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 11.2 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-308	BORING LOCATION 33+00	OFFSET 41.0 ft LT	ALIGNMENT -Y8-	0 HR. 4.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.8 ft	NORTHING 191,528.4	EASTING 2,297,073.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



NCDOT_CPT - ENGLISH NO N60_51-411 SEC CPT.GPJ NCDOT.GDT 11/13/06



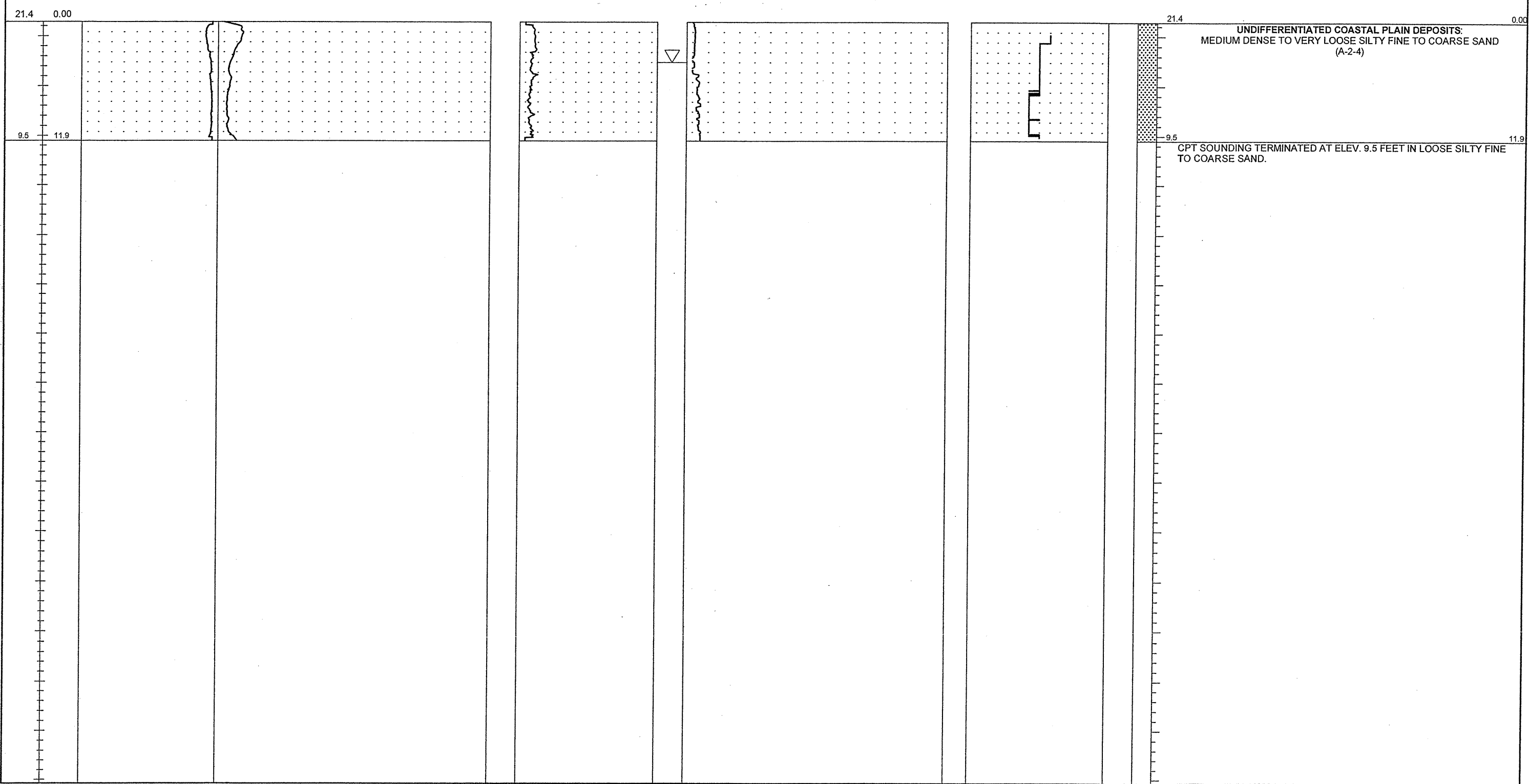
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 14.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-309	BORING LOCATION 36+00	OFFSET 41.0 ft LT	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.3 ft	NORTHING 191,249.5	EASTING 2,297,184.1		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER
					DRILL METHOD Direct Push	HAMMER TYPE N/A
						SURFACE WATER DEPTH N/M





PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 11.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-310	BORING LOCATION 38+00	OFFSET 45.0 ft LT	ALIGNMENT -Y8-	0 HR. 4.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.4 ft	NORTHING 191,065.0	EASTING 2,297,261.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M

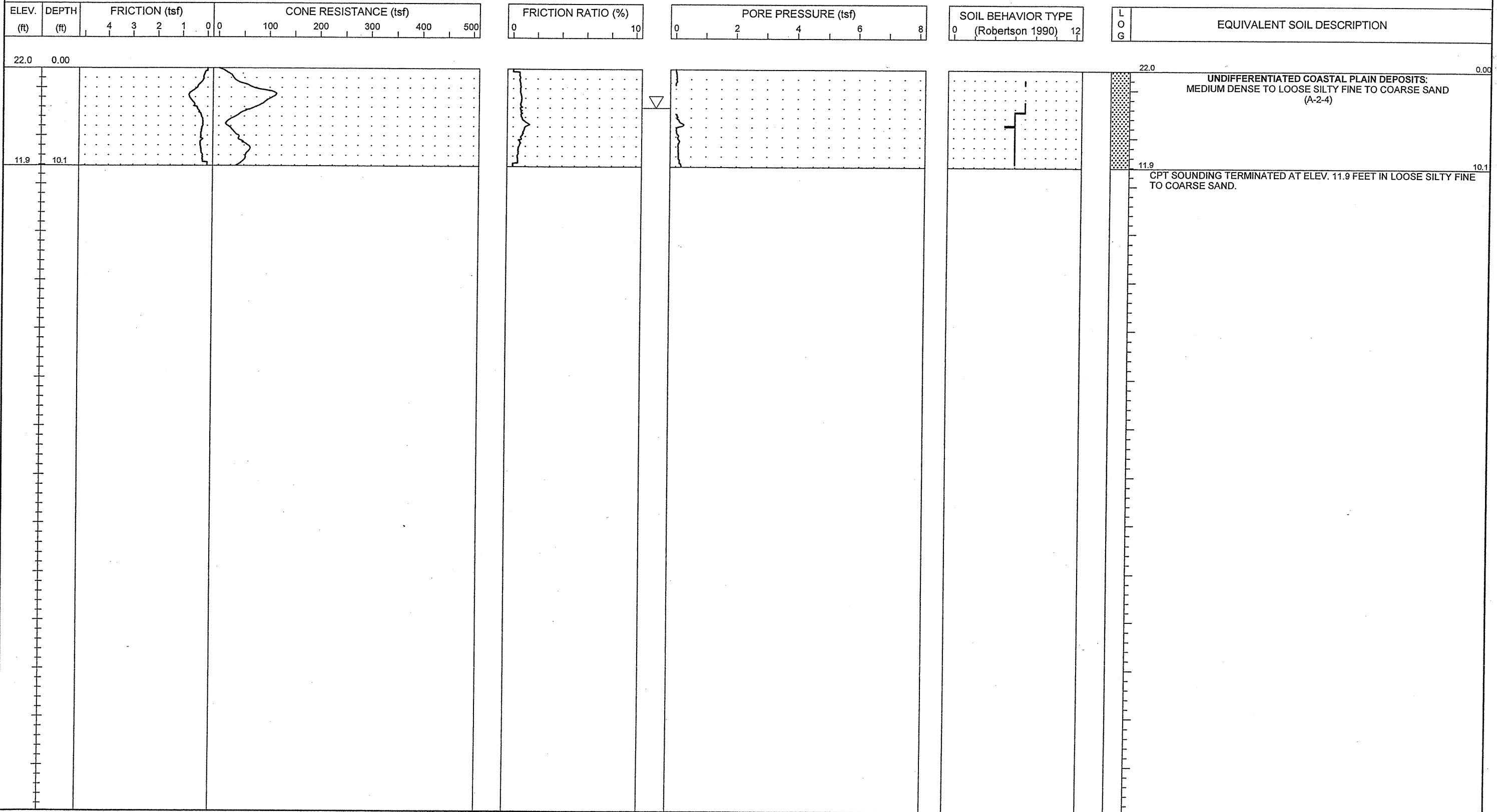
ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	L O G	EQUIVALENT SOIL DESCRIPTION
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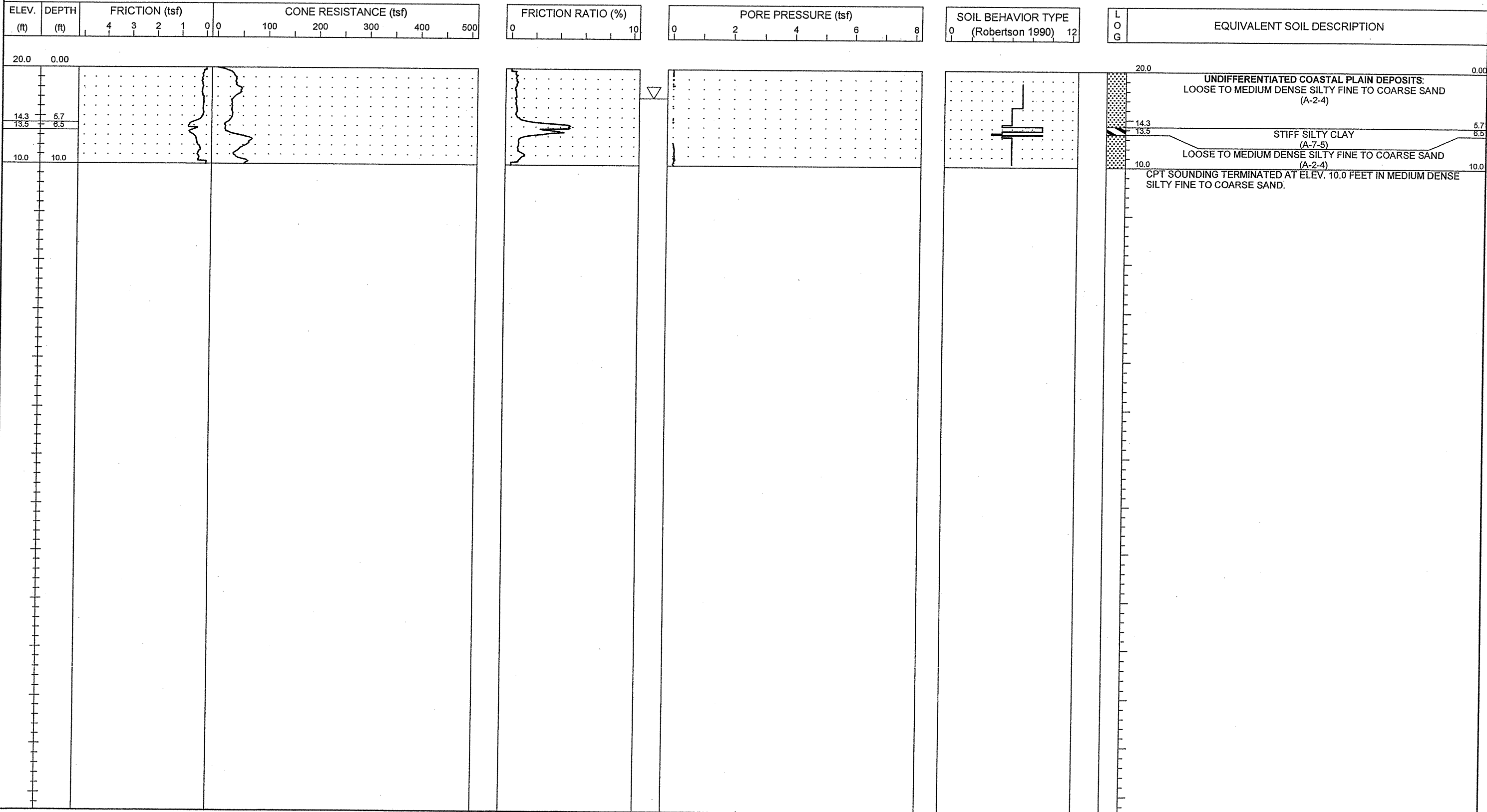
NCDOT_CPT - ENGLISH NO N80_51-411 SEC CPT.GPJ NCDOT.GDT 11/13/06



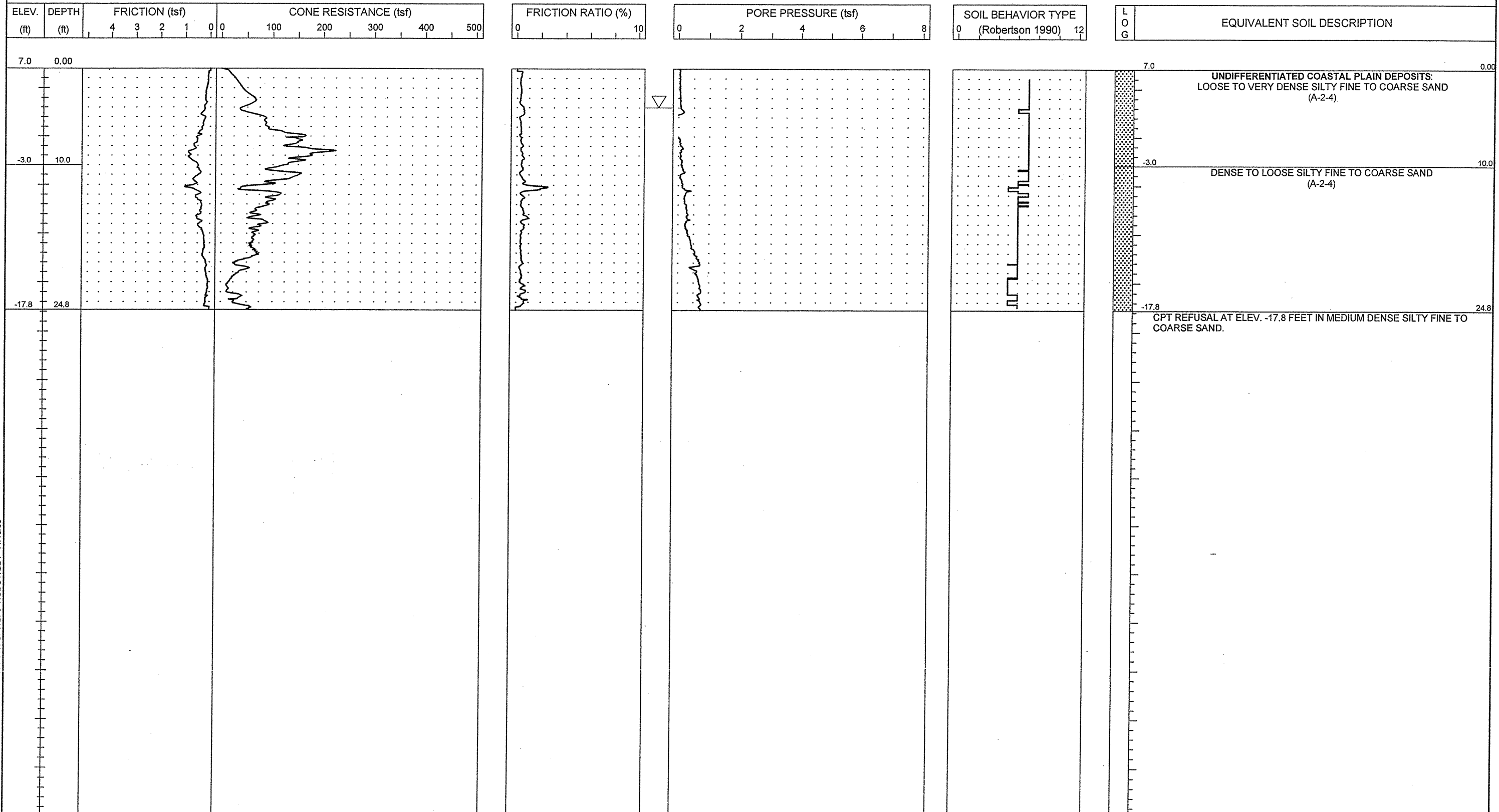
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-311	BORING LOCATION 40+00	OFFSET 46.0 ft LT	ALIGNMENT -Y8-	0 HR. 4.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 22.0 ft	NORTHING 190,879.4	EASTING 2,297,336.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-312	BORING LOCATION 42+00	OFFSET 46.0 ft LT	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 20.0 ft	NORTHING 190,692.6	EASTING 2,297,409.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
HAMMER TYPE N/A						

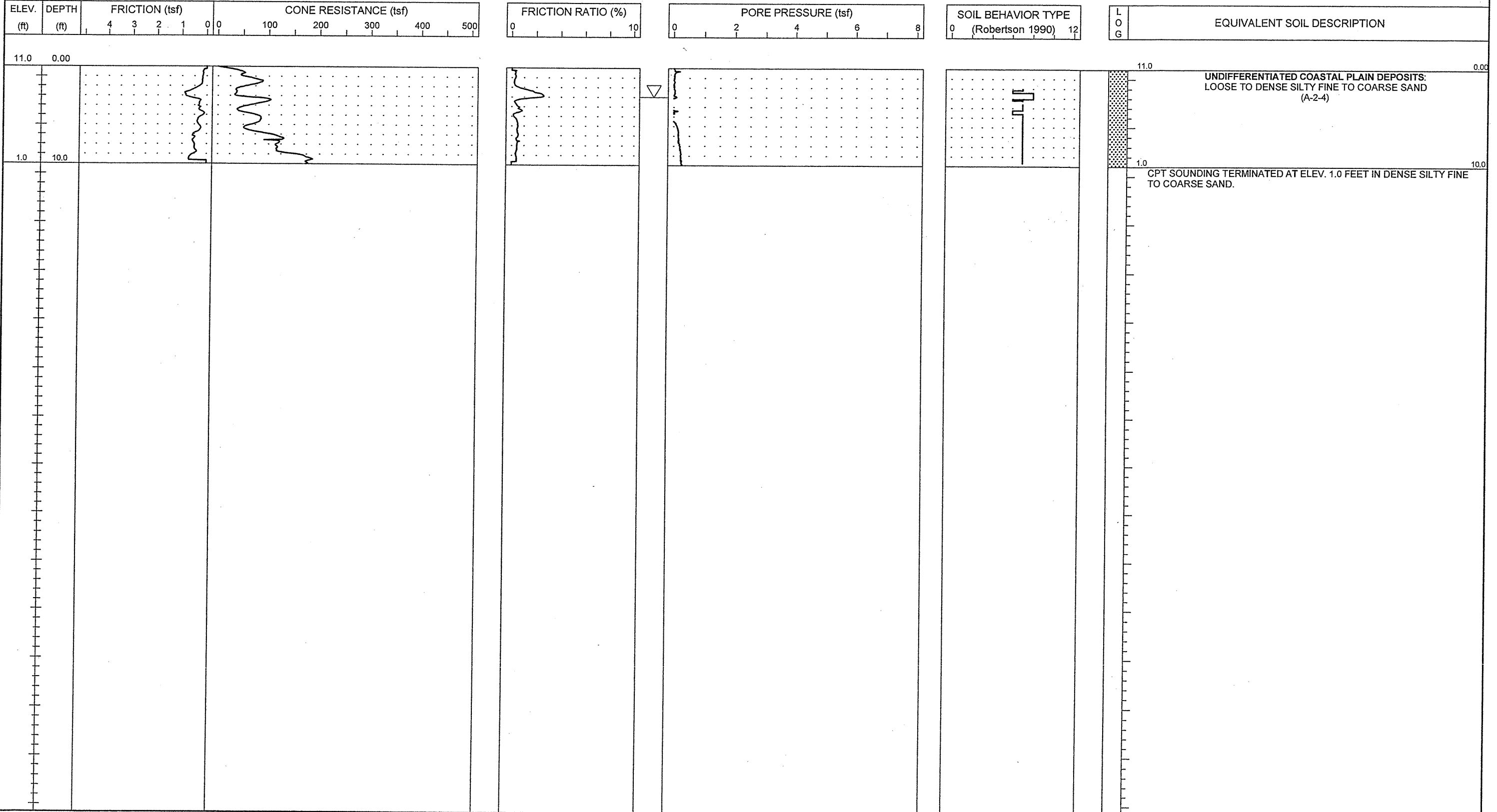


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 24.8 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-316	BORING LOCATION 50+40	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. 4.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 7.0 ft	NORTHING 189,885.8	EASTING 2,297,650.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





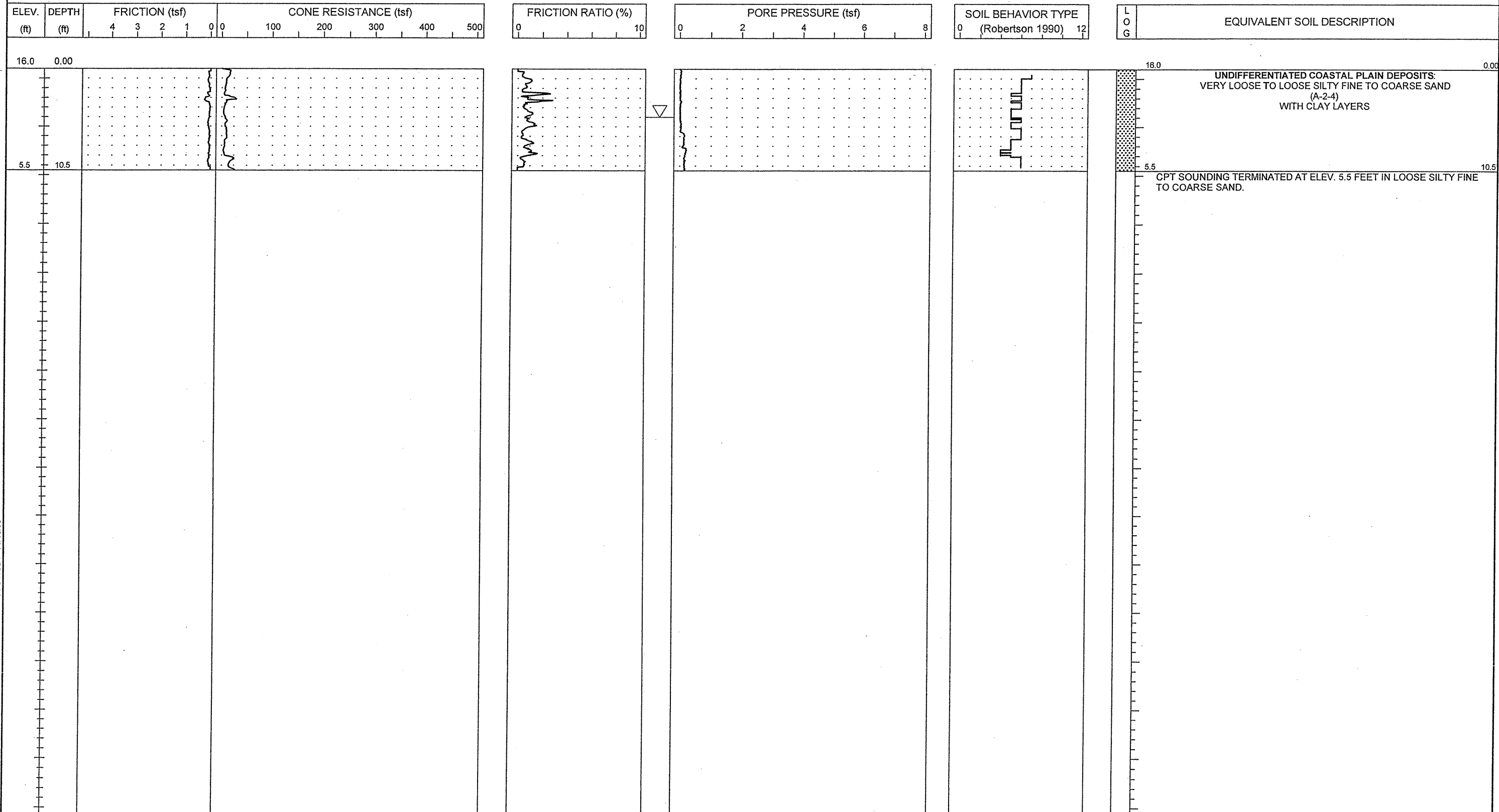
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-317	BORING LOCATION 52+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 11.0 ft	NORTHING 189,735.1	EASTING 2,297,704.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 8TH CPT.GPJ_NCDOT.GDT 11/13/06



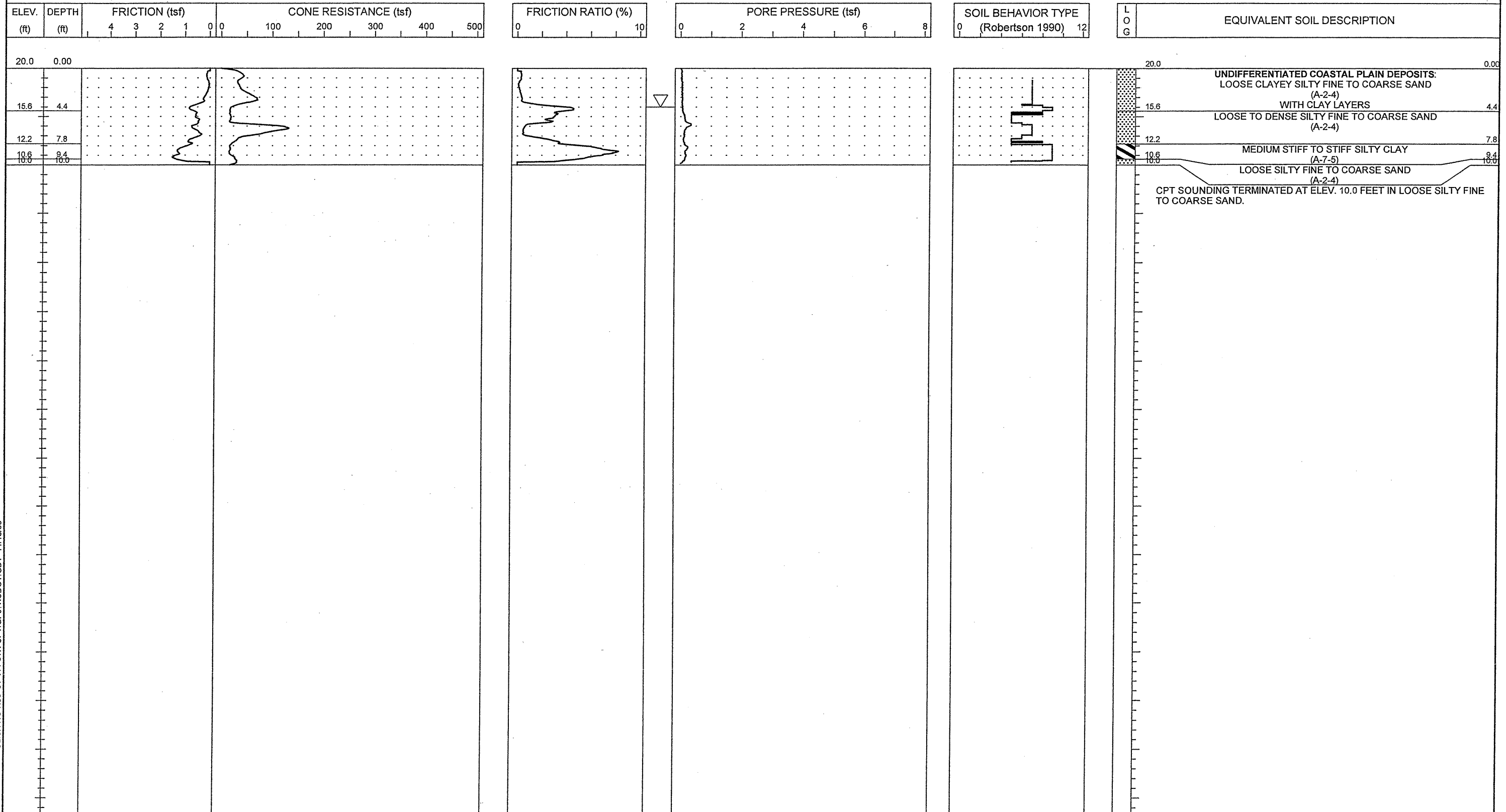
PROJECT NO. 34491.1.2	ID: R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.5 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-318	BORING LOCATION 54+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. 5.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 16.0 ft	NORTHING 189,553.3	EASTING 2,297,787.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 8TH CPT.GPJ NCDOT.GDT 11/13/06



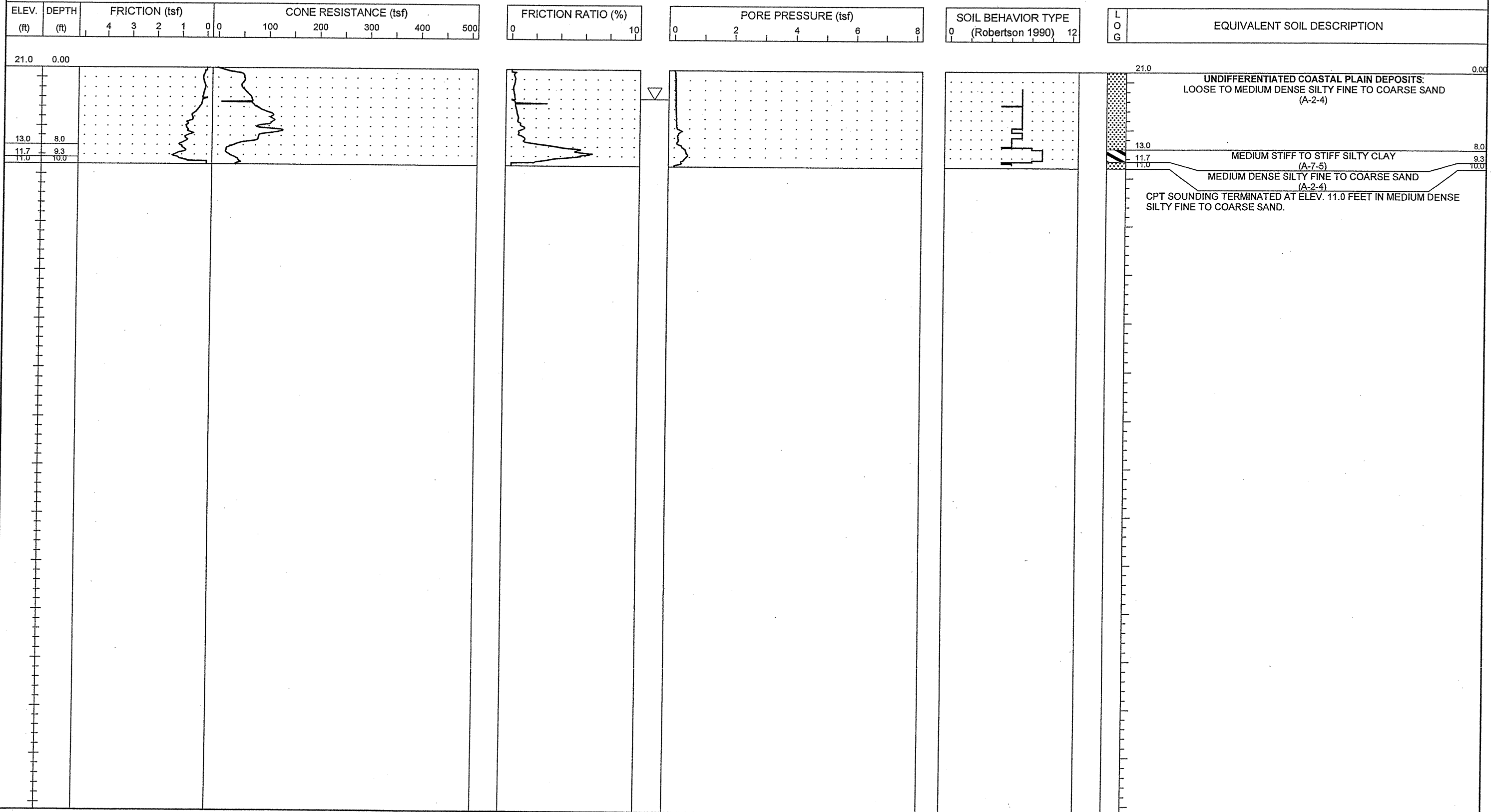
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-319	BORING LOCATION 56+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. 4.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 20.0 ft	NORTHING 189,391.2	EASTING 2,297,903.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO. 60 51-411.8TH CPT.GPJ. NCDOT.GDT 11/13/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-320	BORING LOCATION 58+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 21.0 ft	NORTHING 189,256.8	EASTING 2,298,051.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

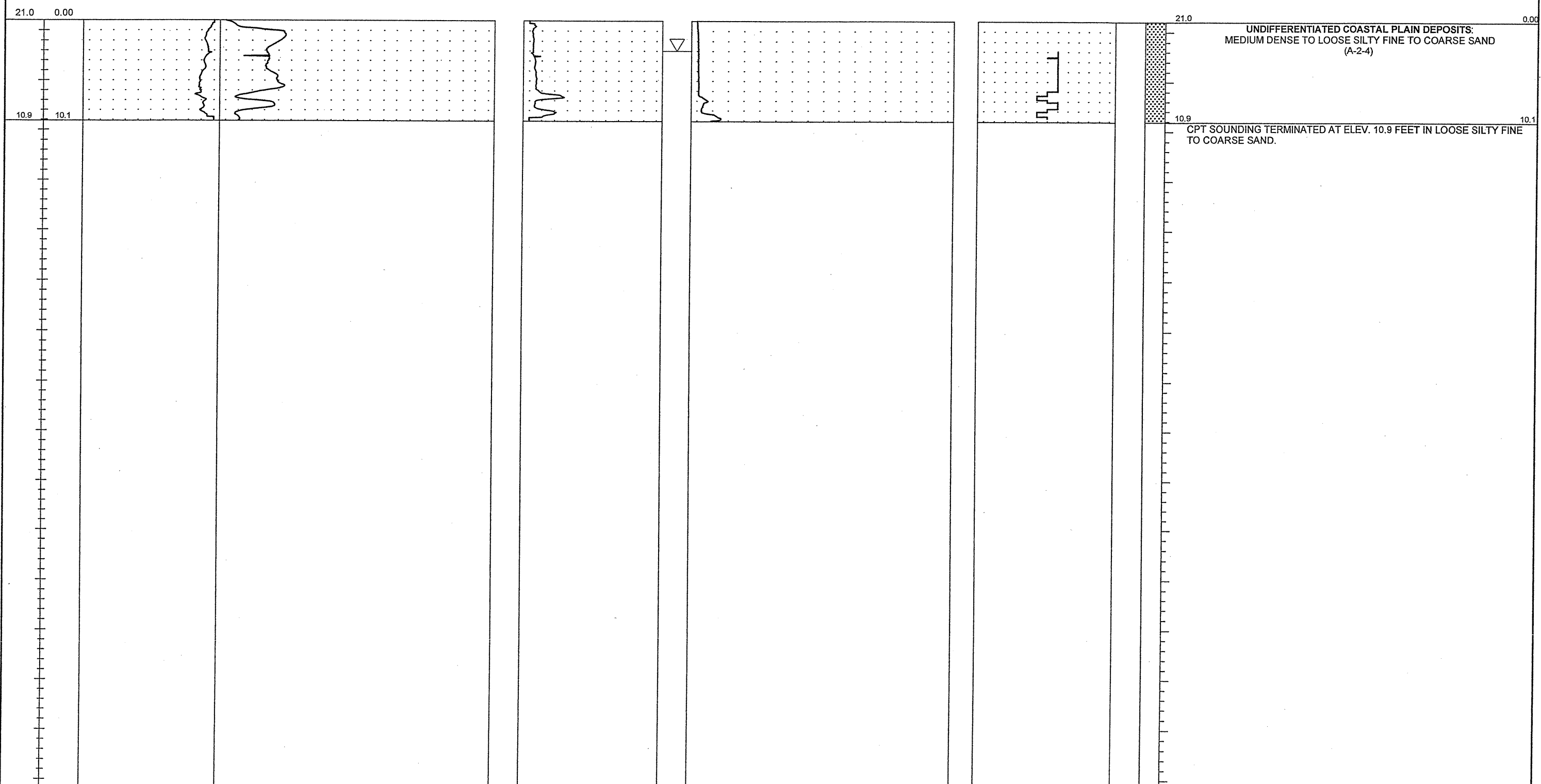


NCDOT CPT - ENGLISH NO N80 51-411 8TH CPT.GPJ NCDOT.GDT 11/13/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-321	BORING LOCATION 60+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 21.0 ft	NORTHING 189,155.8	EASTING 2,298,223.3	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

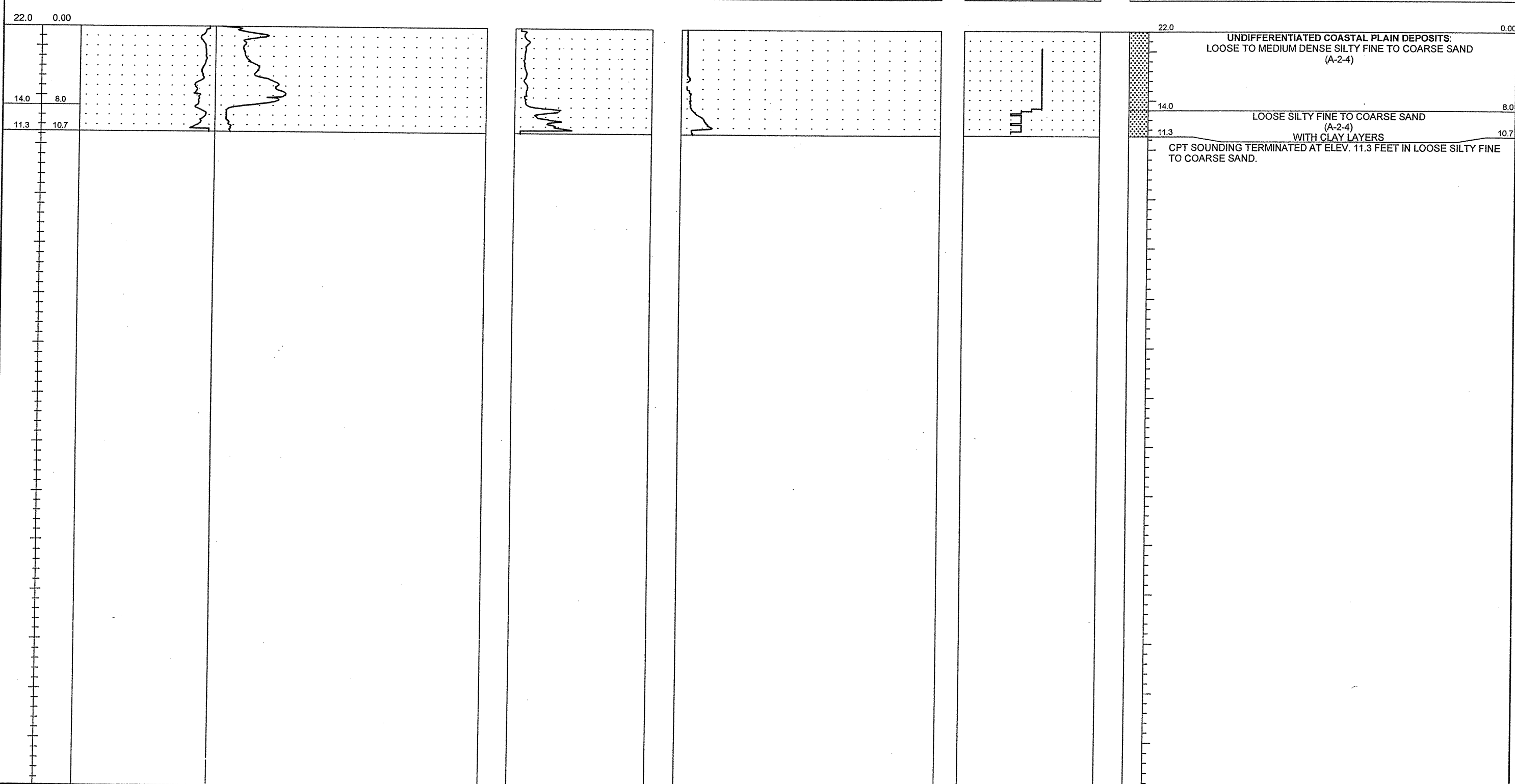
ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
21.0	0.00	4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		



NCDOT.CPT - ENGLISH NO N60 51-411 8TH CPT.GPJ NCDOT.GDT 11/13/06

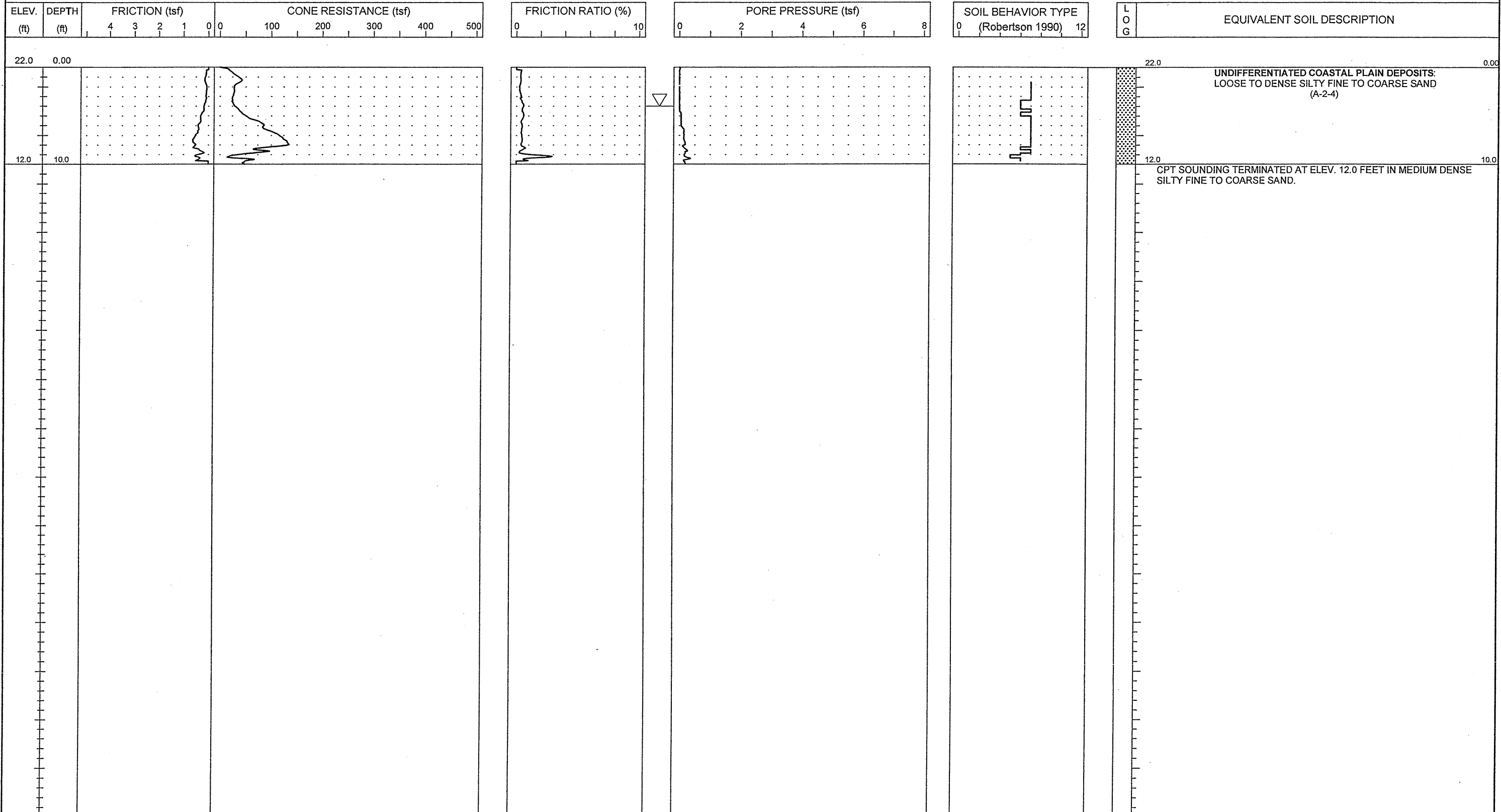
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.7 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-322	BORING LOCATION 62+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. N/M	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 22.0 ft	NORTHING 189,092.3	EASTING 2,298,412.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
22.0	0.00	4 3 2 1 0 0	100 200 300 400 500	0 10	0 2 4 6 8	0 12		





PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-323	BORING LOCATION 64+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8-	0 HR. 4.0	DATE STARTED 11/2/06	COMPLETED 11/2/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 22.0 ft	NORTHING 189,055.6	EASTING 2,298,609.2		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		

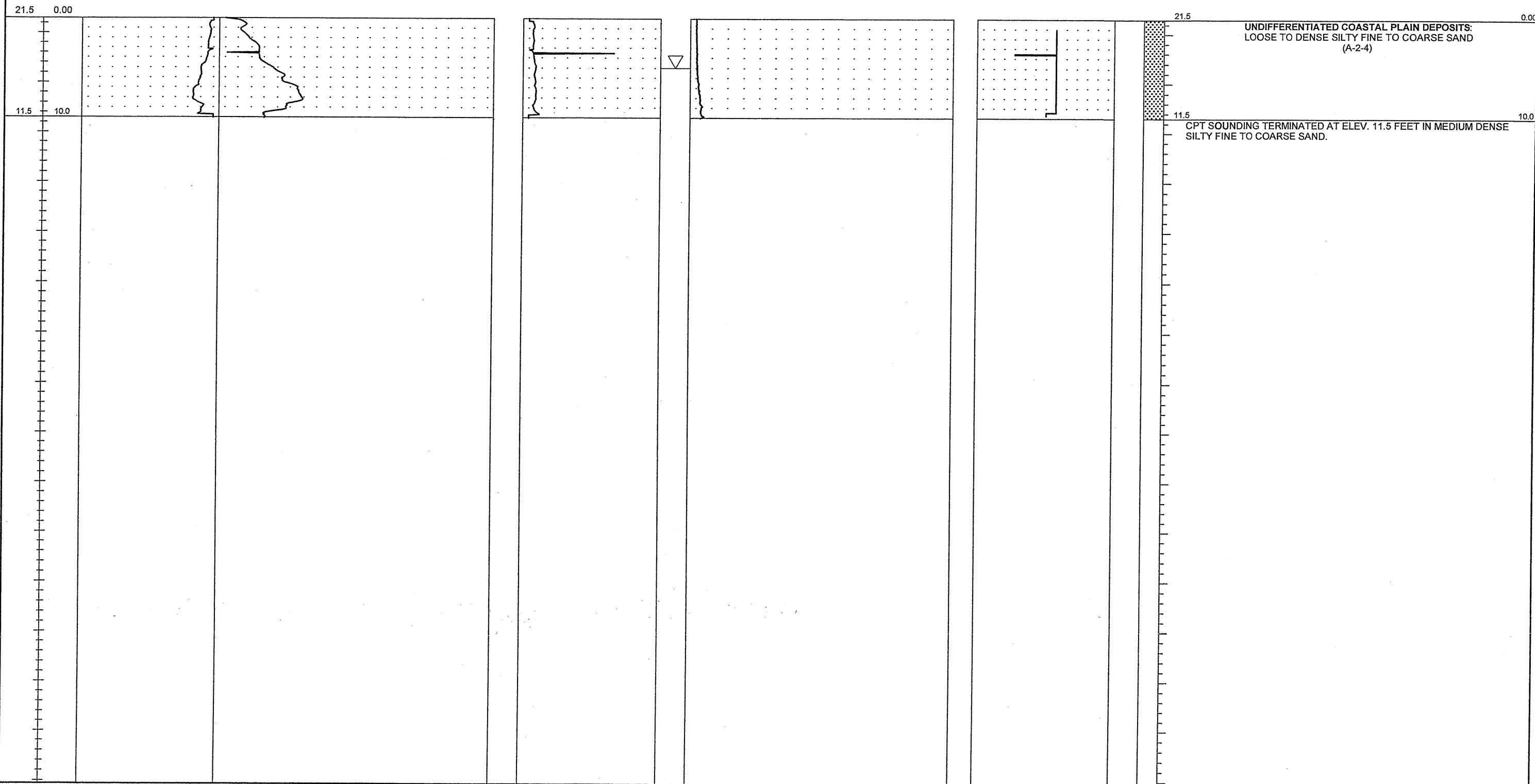


NCDOT CPT - ENGLISH NO. N60 51-411.8TH CPT.GPJ NCDOT.GDT 11/13/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-324	BORING LOCATION 66+00	OFFSET 38.0 ft RT	ALIGNMENT -Y8-	0 HR. 5.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 21.5 ft	NORTHING 188,985.2	EASTING 2,298,800.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

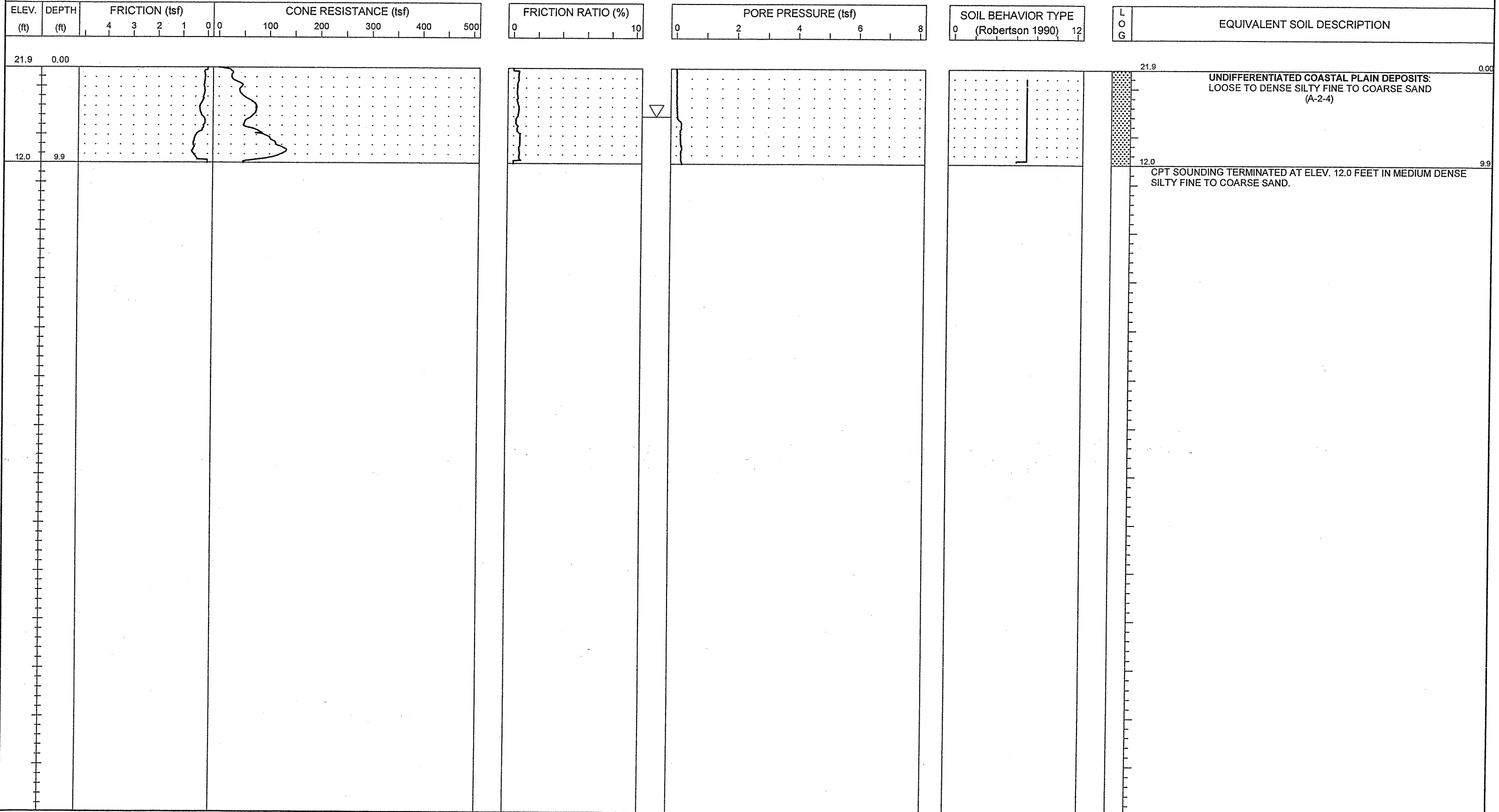
ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
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NCDOT CPT - ENGLISH NO. N60_51-411 8TH CPT.GPJ NCDOT.GDT 11/13/06

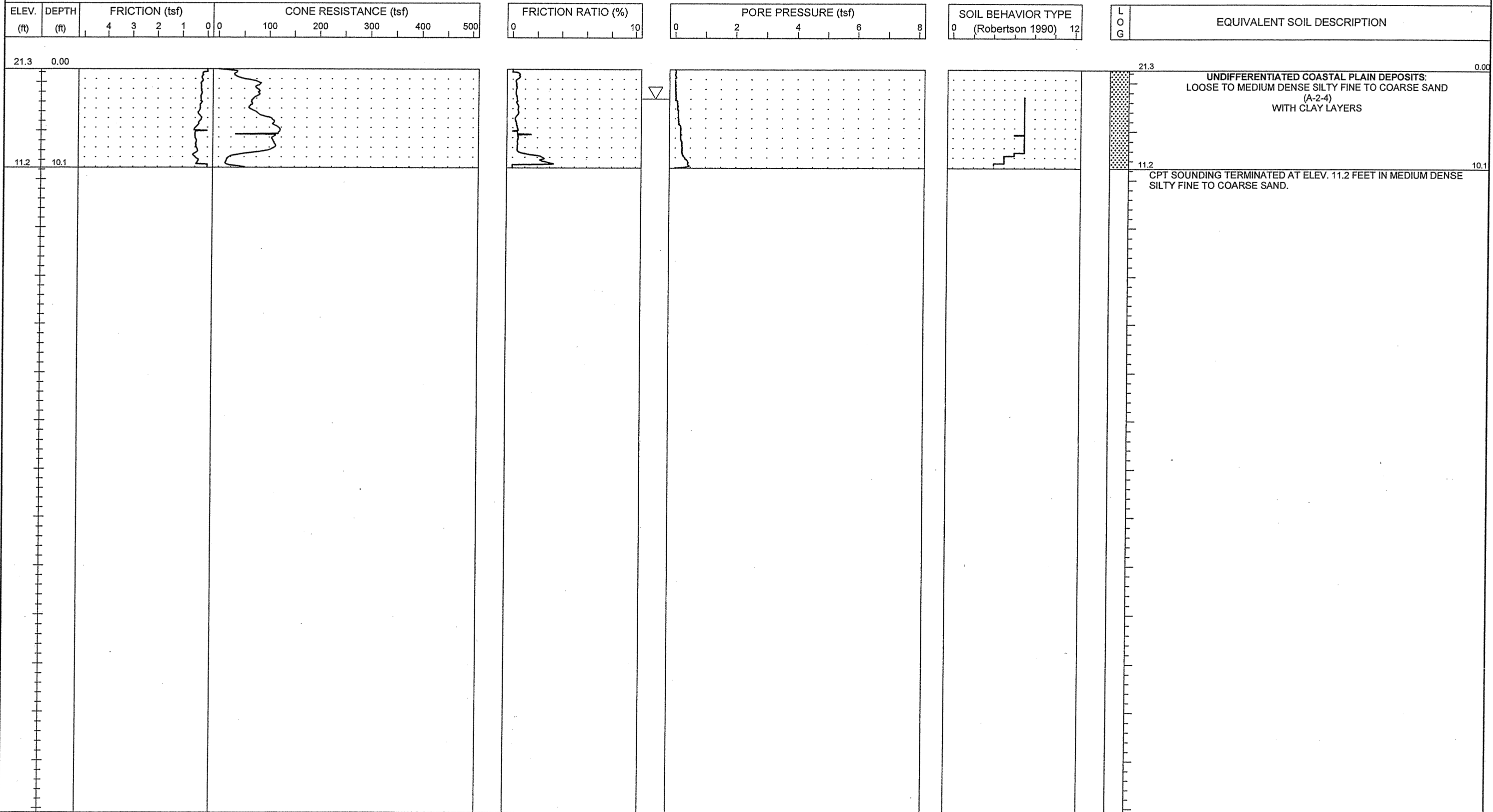


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 9.9 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-325	BORING LOCATION 68+00	OFFSET 37.0 ft RT	ALIGNMENT -Y8-	0 HR. 5.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 21.9 ft	NORTHING 188,953.2	EASTING 2,298,997.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



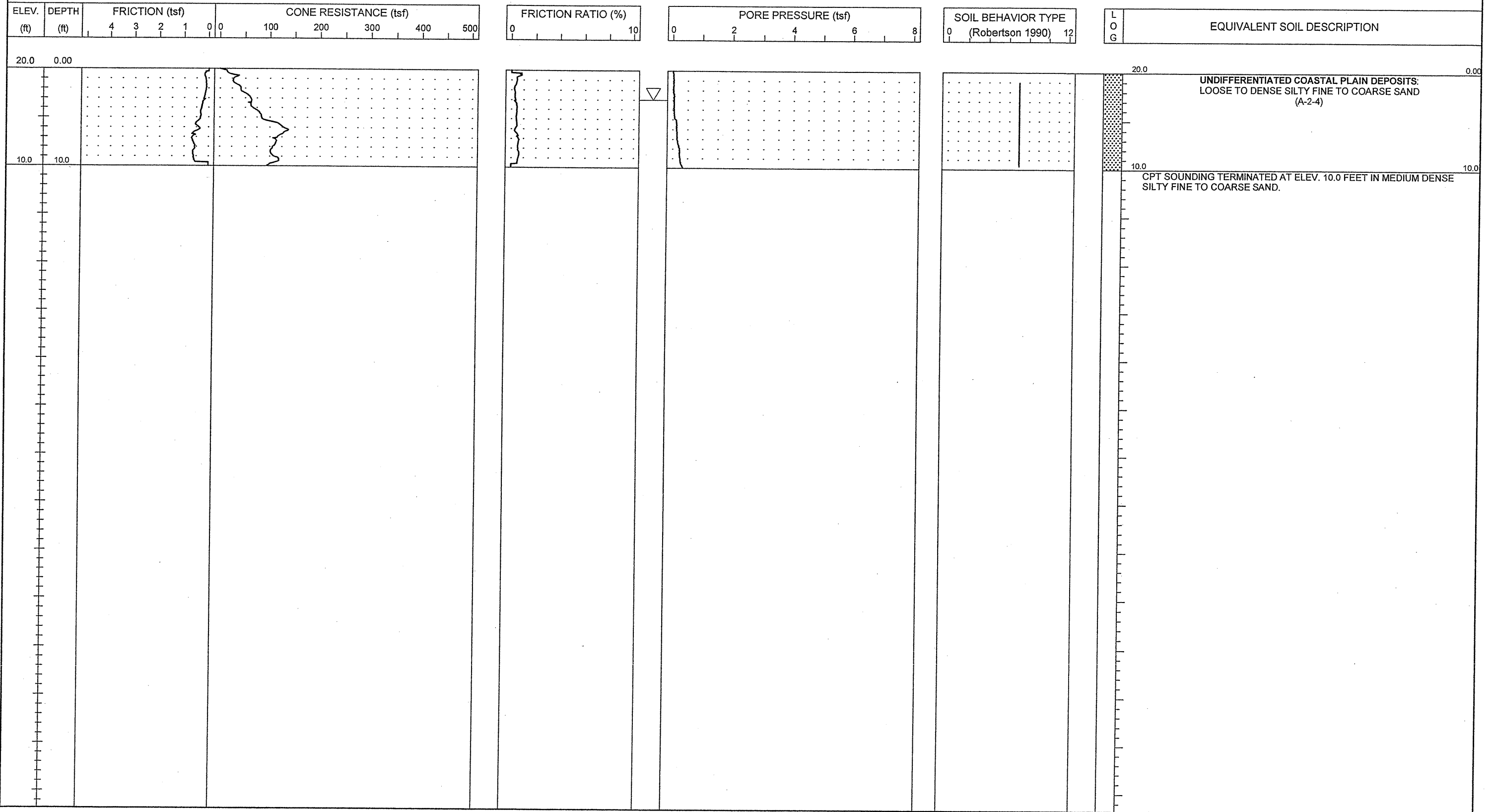
NCDOT CPT - ENGLISH NO. N60_51-411_8TH_CPT.GPJ, NCDOT.GDT 11/13/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-326	BORING LOCATION 70+00	OFFSET 34.0 ft RT	ALIGNMENT -Y8-	0 HR. --- 3.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 21.3 ft	NORTHING 188,923.3	EASTING 2,299,195.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





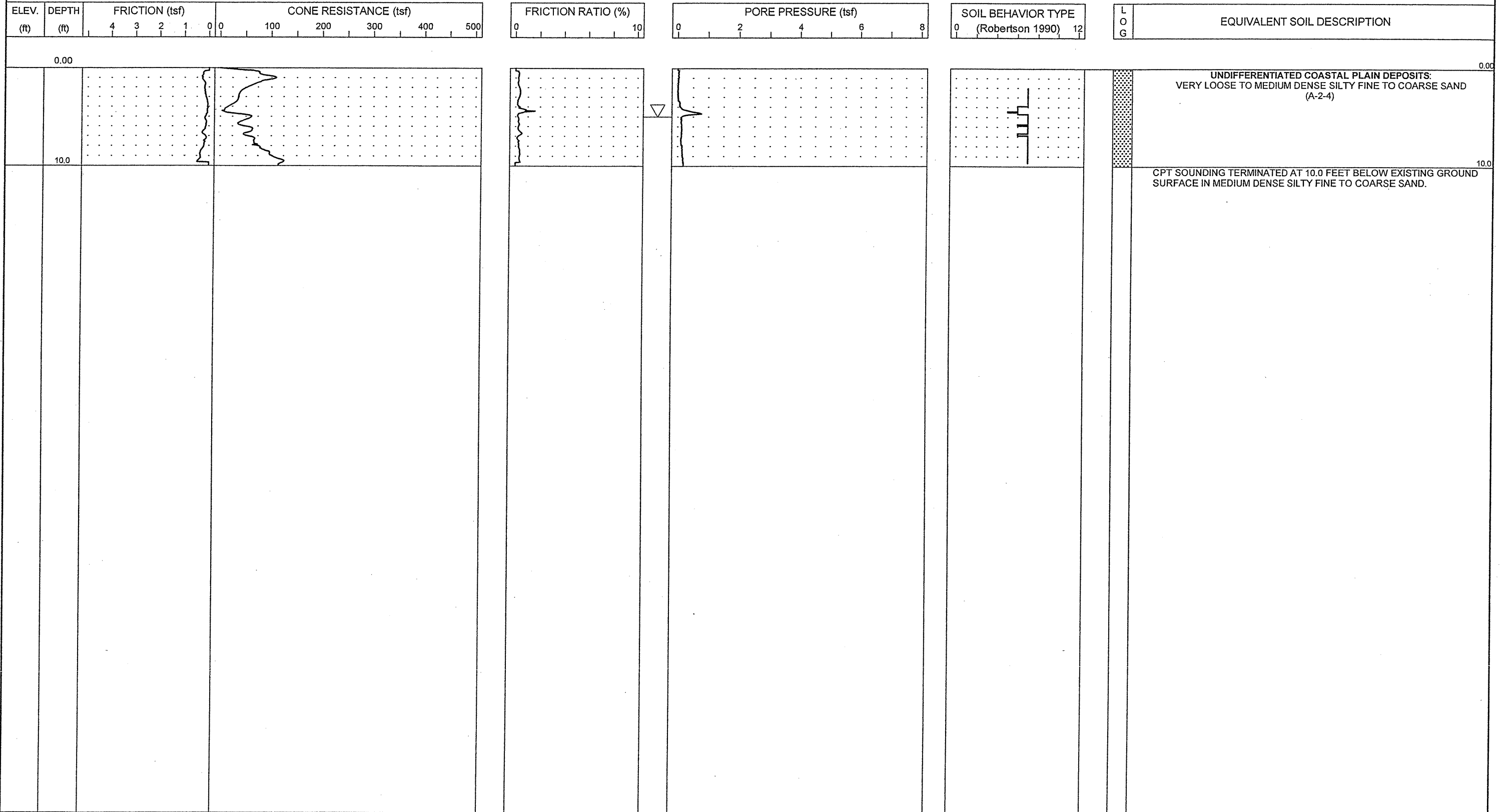
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-327	BORING LOCATION 72+00	OFFSET 35.0 ft RT	ALIGNMENT -Y8-	0 HR. 3.0	DATE STARTED 11/2/06	COMPLETED 11/2/06
COLLAR ELEV. 20.0 ft	NORTHING 188,889.3	EASTING 2,299,392.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411.8TH CPT.GPJ NCDOT.GDT 11/13/06



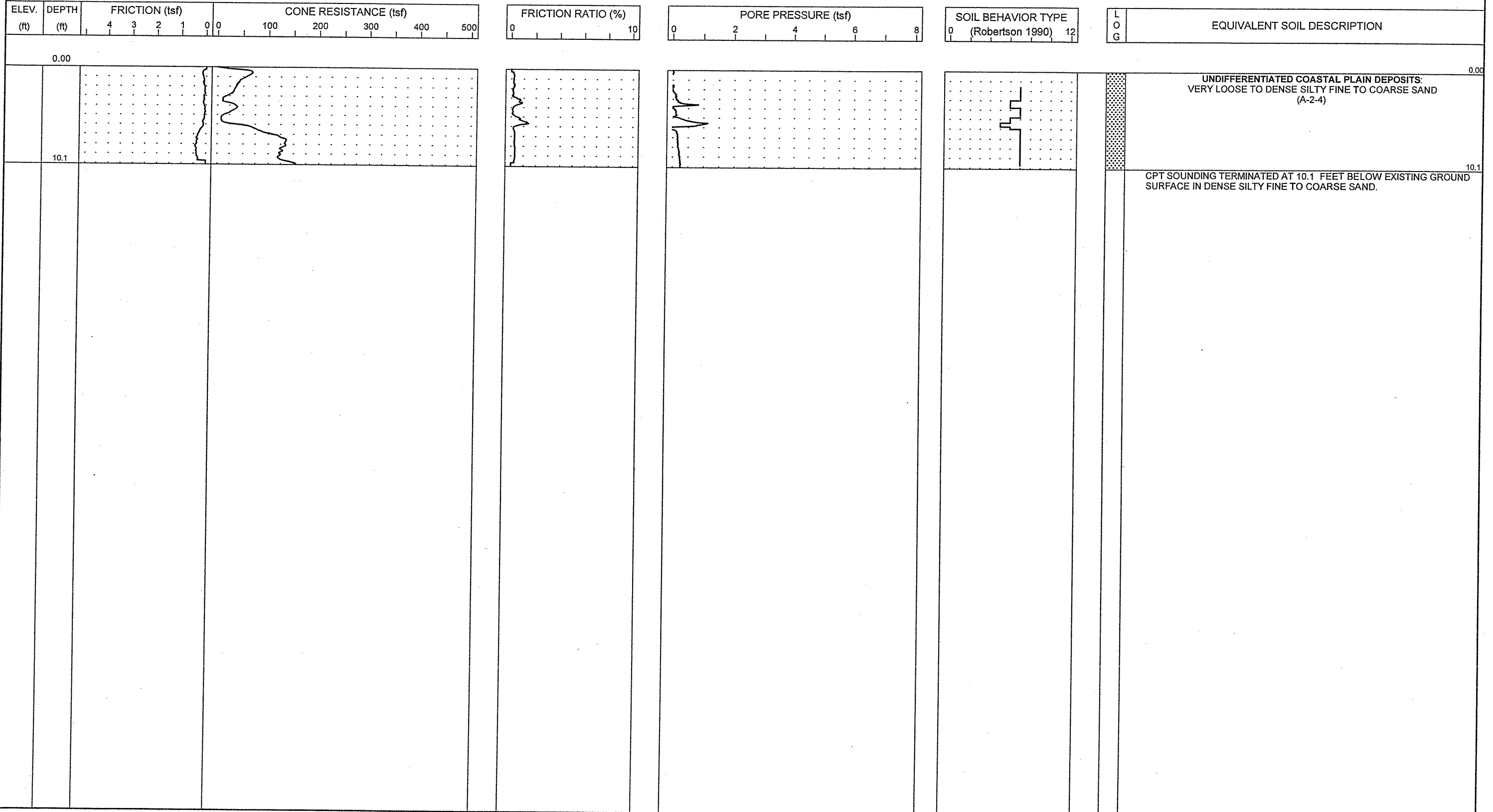
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-328	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8A-	DATE STARTED 11/1/06	COMPLETED 11/1/06	HAMMER TYPE N/A
COLLAR ELEV.	NORTHING 192,663.8	EASTING 2,296,234.0	6 HR. 5.0 24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60_51-411 7TH CPT.GPJ_NCDOT.GDT_11/16/06



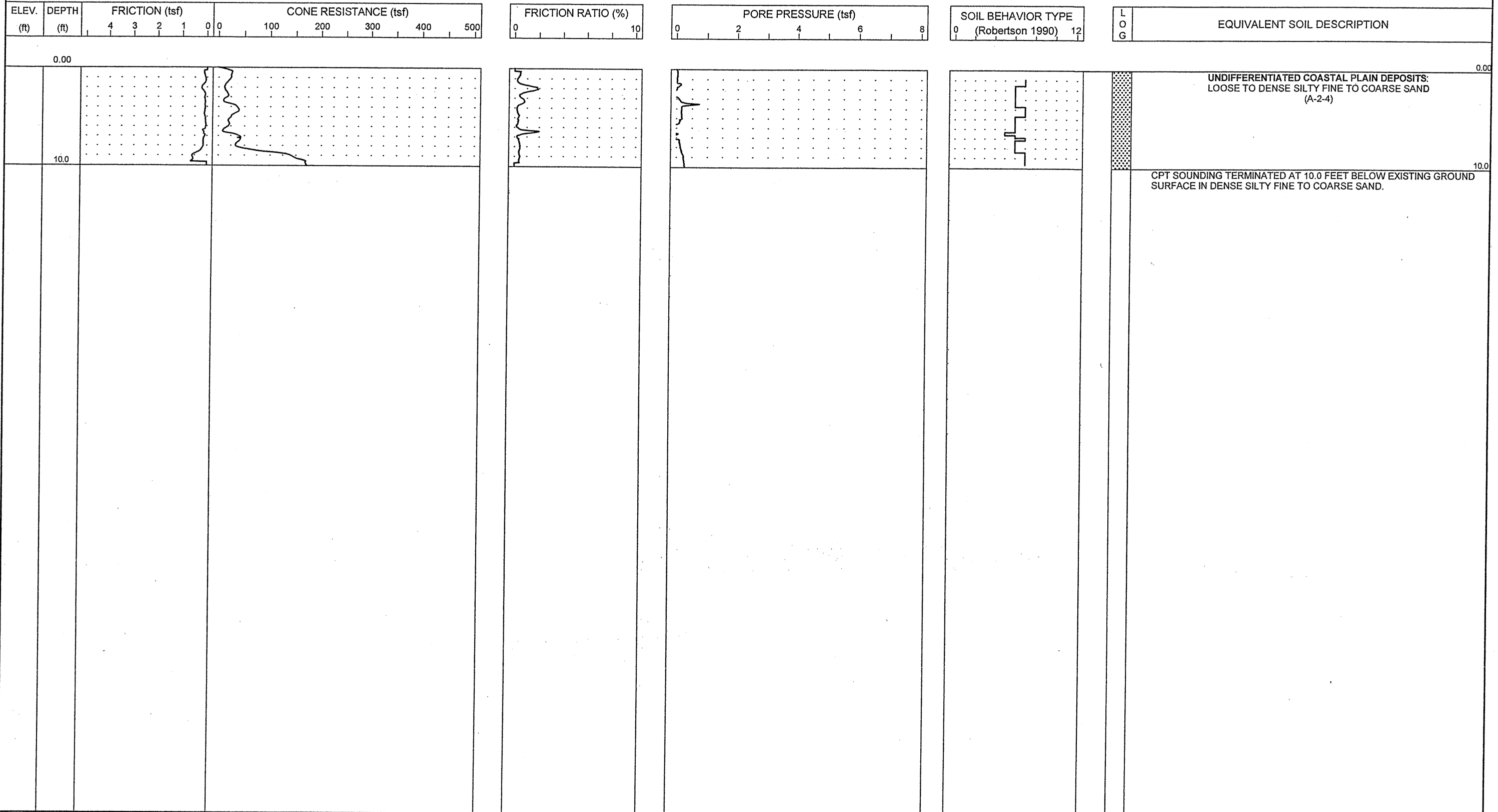
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV
BORING NO. C-329	BORING LOCATION 14+38	OFFSET 0.0 ft CL	ALIGNMENT -Y8A-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV.	NORTHING 192,625.5	EASTING 2,295,998.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 7TH CPT.GPJ NCDOT.GDT 11/16/06



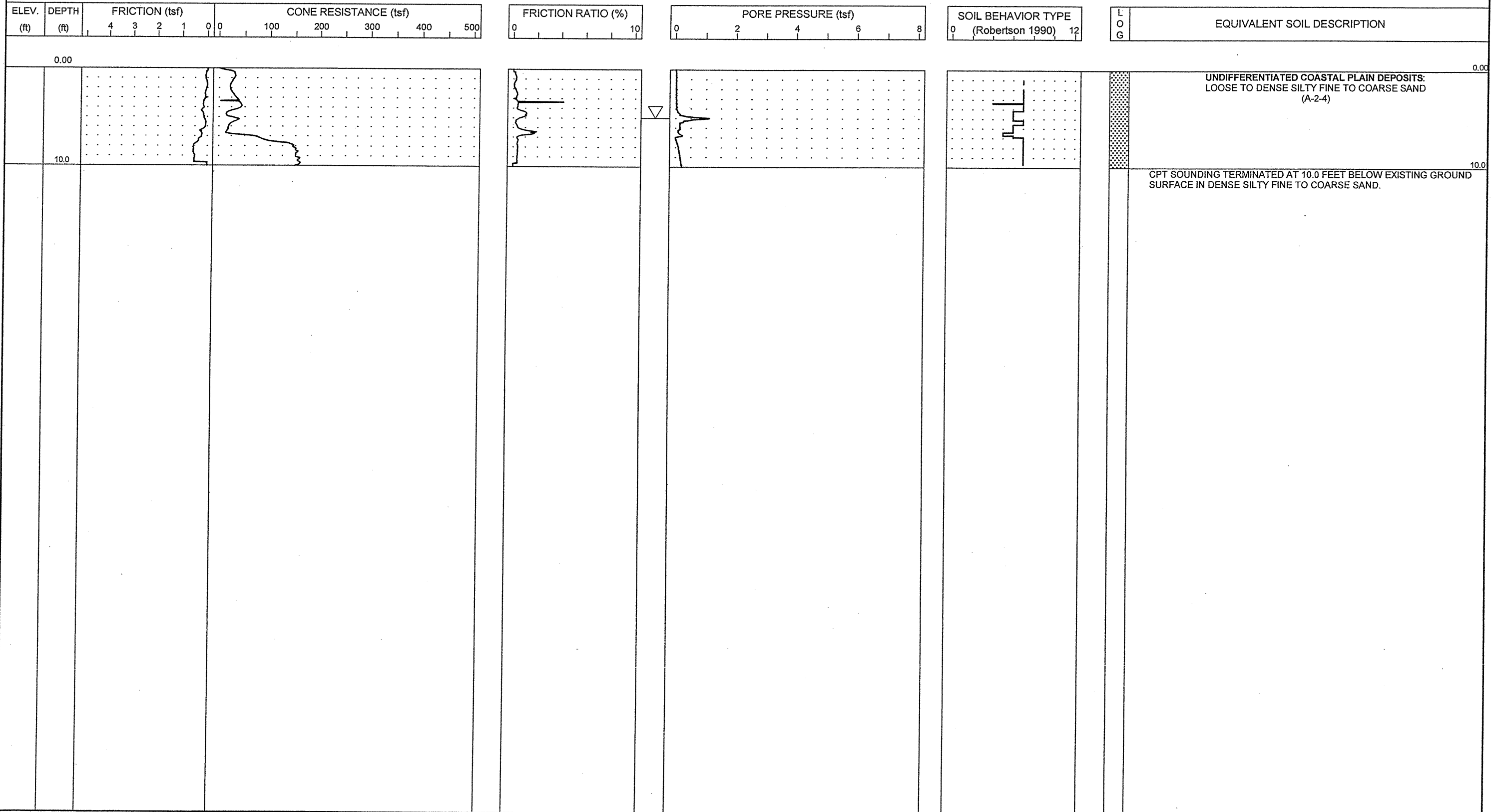
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-330	BORING LOCATION 17+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8A-	GROUND WATER (ft) 0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV.	NORTHING 192,585.4	EASTING 2,295,740.2		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER
						HAMMER TYPE N/A
						SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 7TH CPT.GPJ NCDOT.GDT 11/16/06

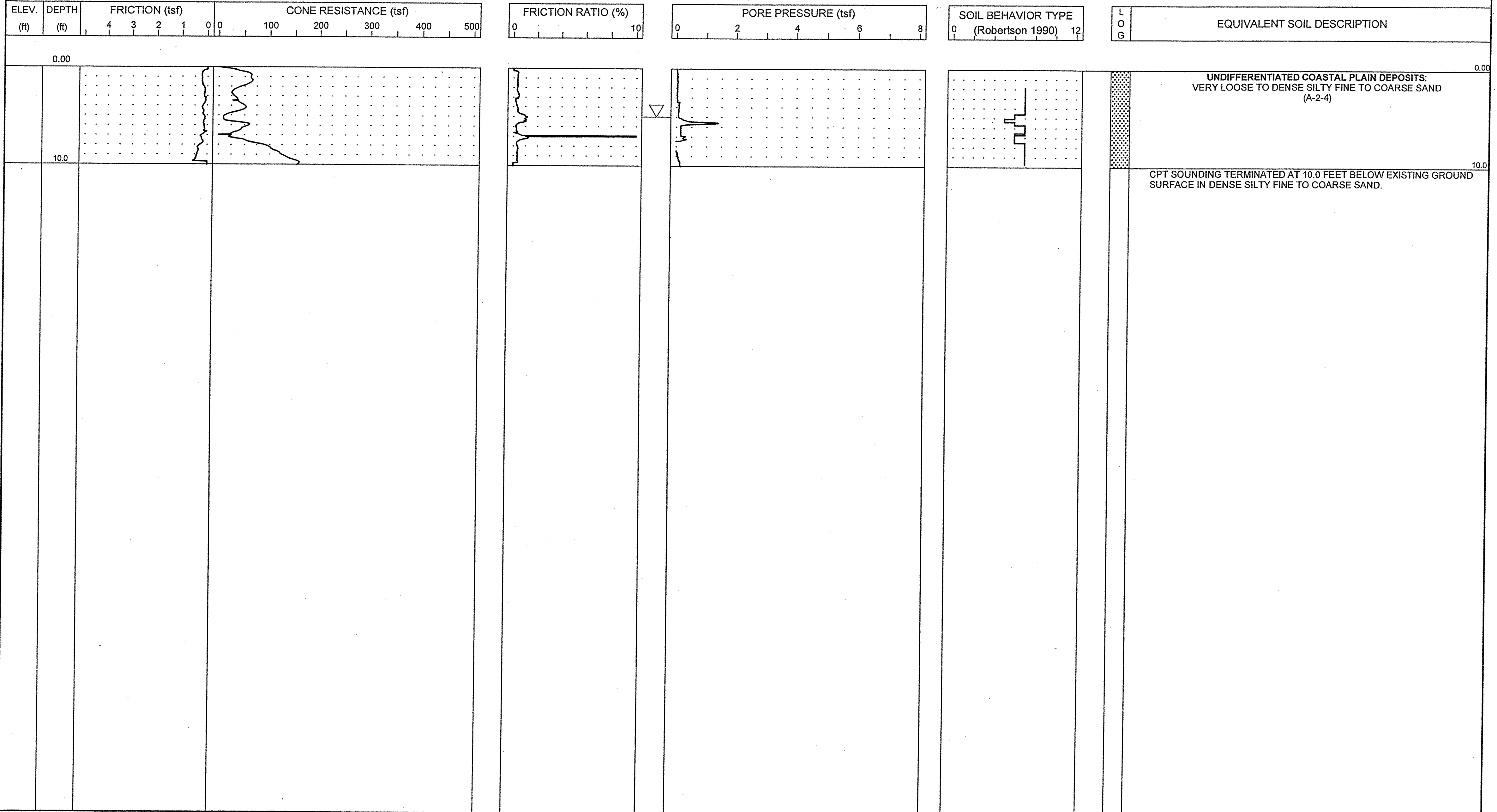


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-331	BORING LOCATION 19+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8A-	0 HR. 5.0	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV.	NORTHING 192,554.7	EASTING 2,295,542.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

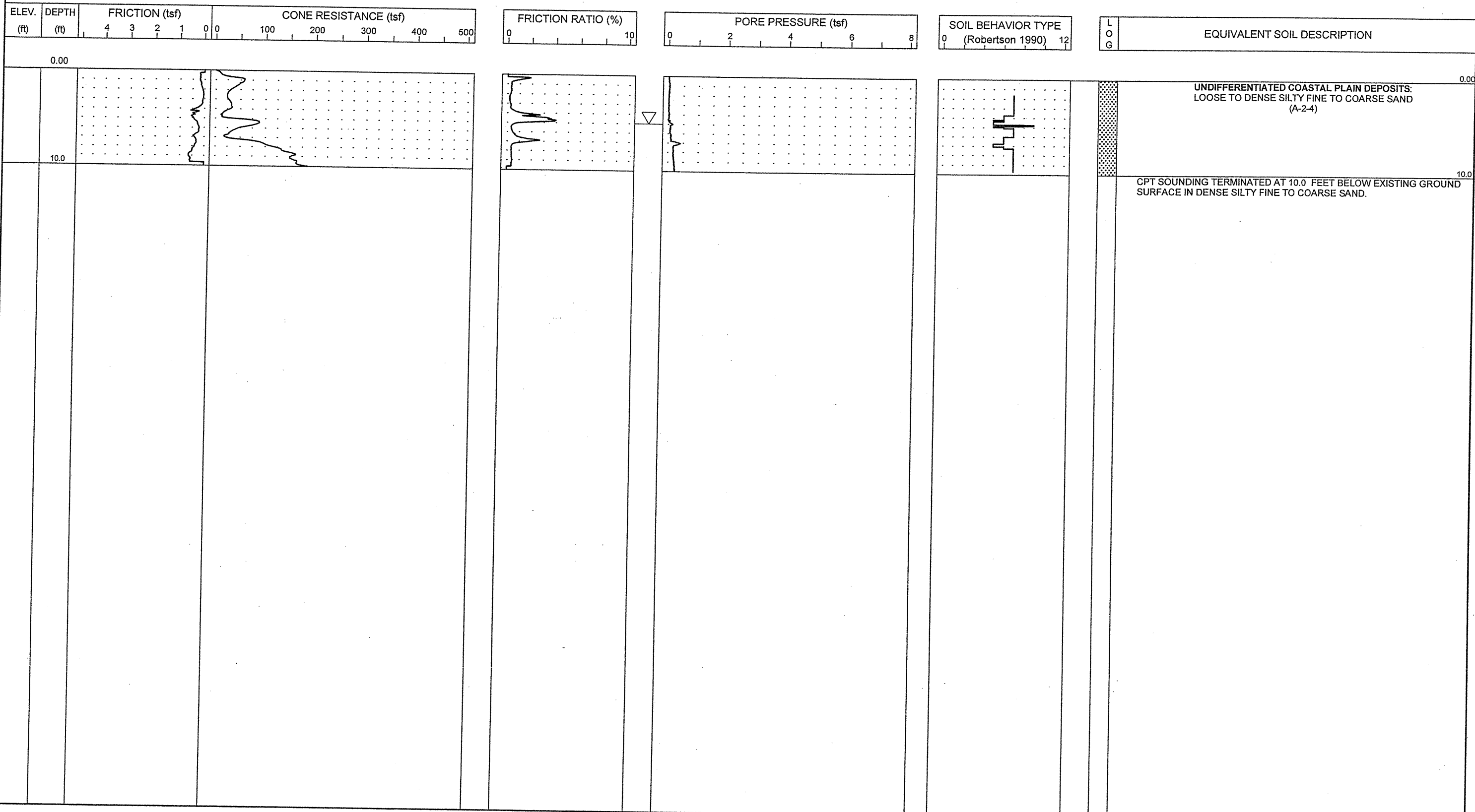


NCDOT CPT - ENGLISH NO N60 51-411 7TH CPT.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-332	BORING LOCATION 21+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8A-	0 HR. 5.0	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV.	NORTHING 192,523.9	EASTING 2,295,345.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



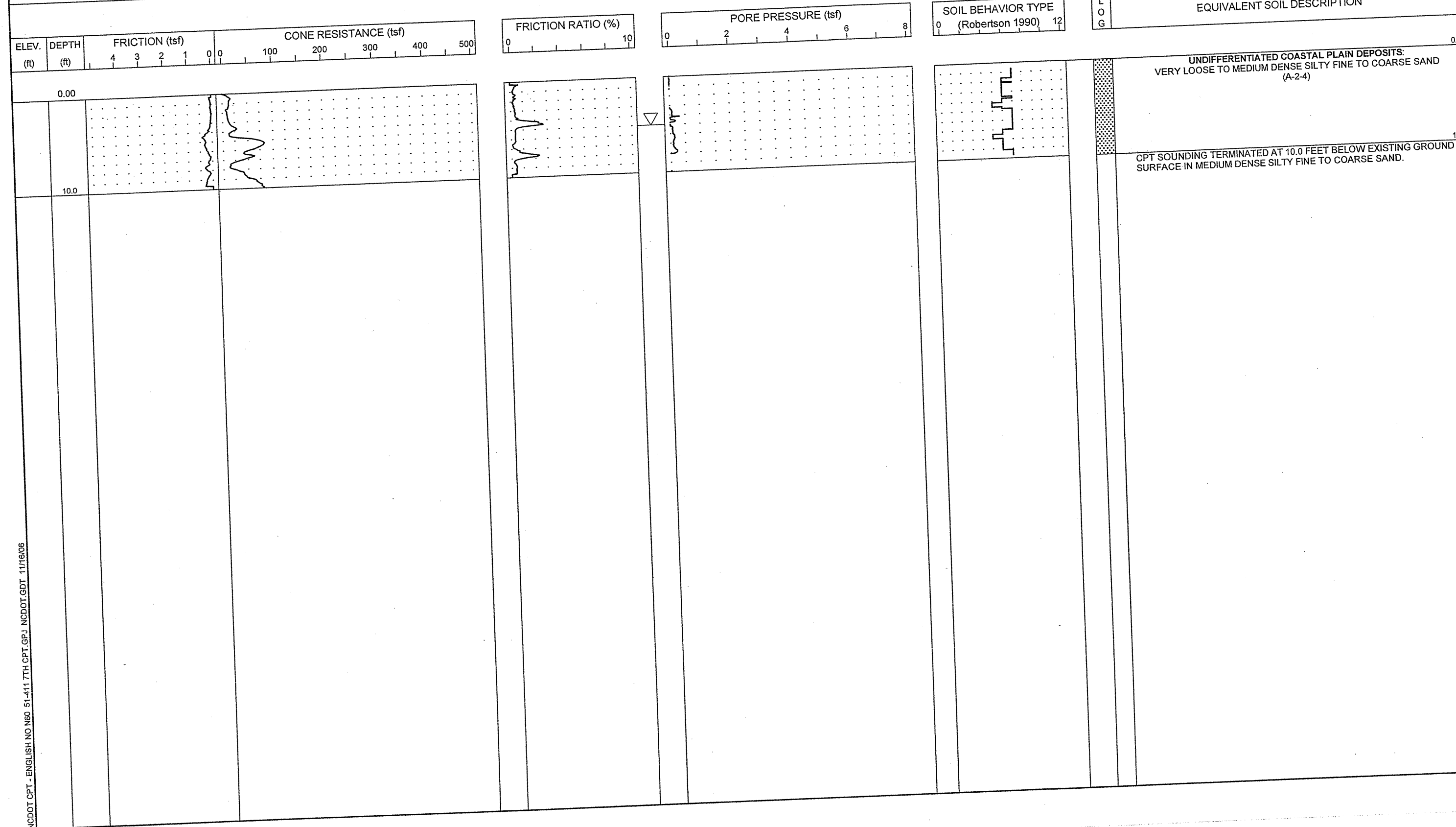
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-333	BORING LOCATION 23+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8A-	0 HR. 5.0	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV.	NORTHING 192,493.2	EASTING 2,295,147.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 7TH CPT.GPJ NCDOT.GDT 11/16/06



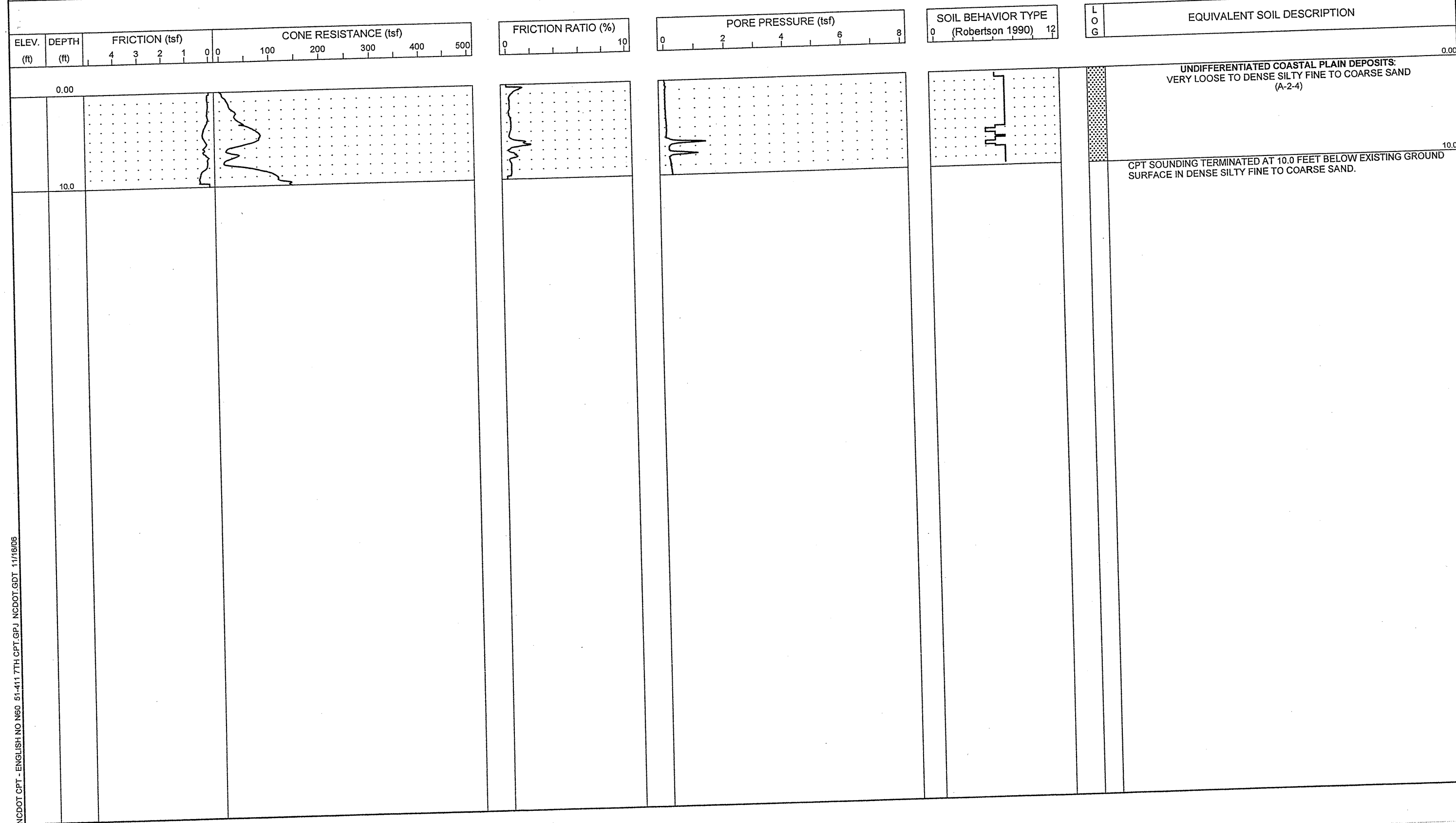
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf	HAMMER TYPE N/A
SITE DESCRIPTION US 17 (Wilmington Bypass)				TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	
BORING NO. C-334	BORING LOCATION 25+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8A-	DATE STARTED 11/1/06	COMPLETED 11/1/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV.		NORTHING 192,462.5	EASTING 2,294,949.7	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO N80 51-411 7TH CPT.GPJ NCDOT.GDT 11/16/06



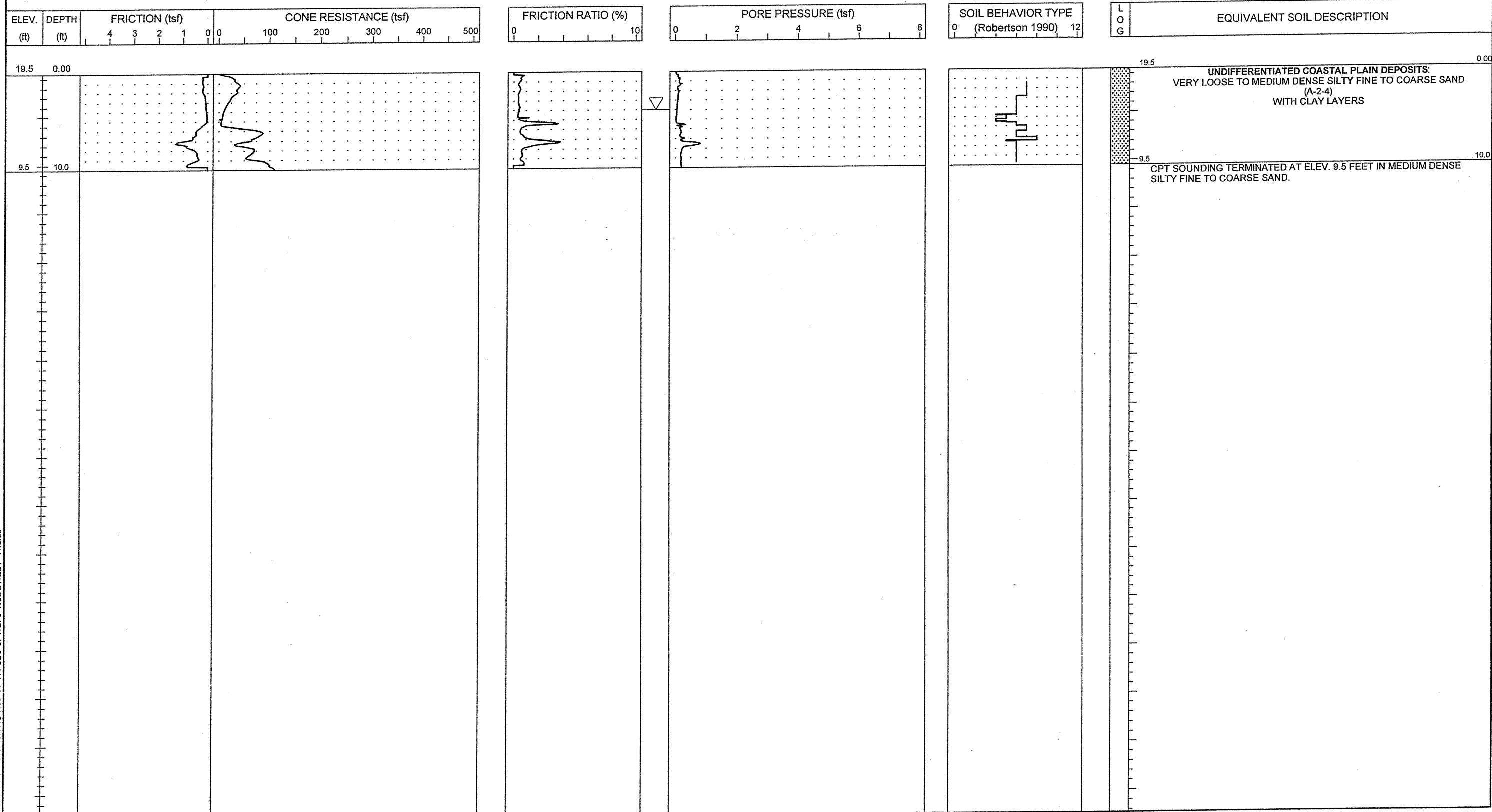
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-335	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -Y8B-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV.		NORTHING 192,428.0	EASTING 2,296,030.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER
						HAMMER TYPE N/A
						SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 7TH CPT.GPJ NCDOT.GDT 11/16/06

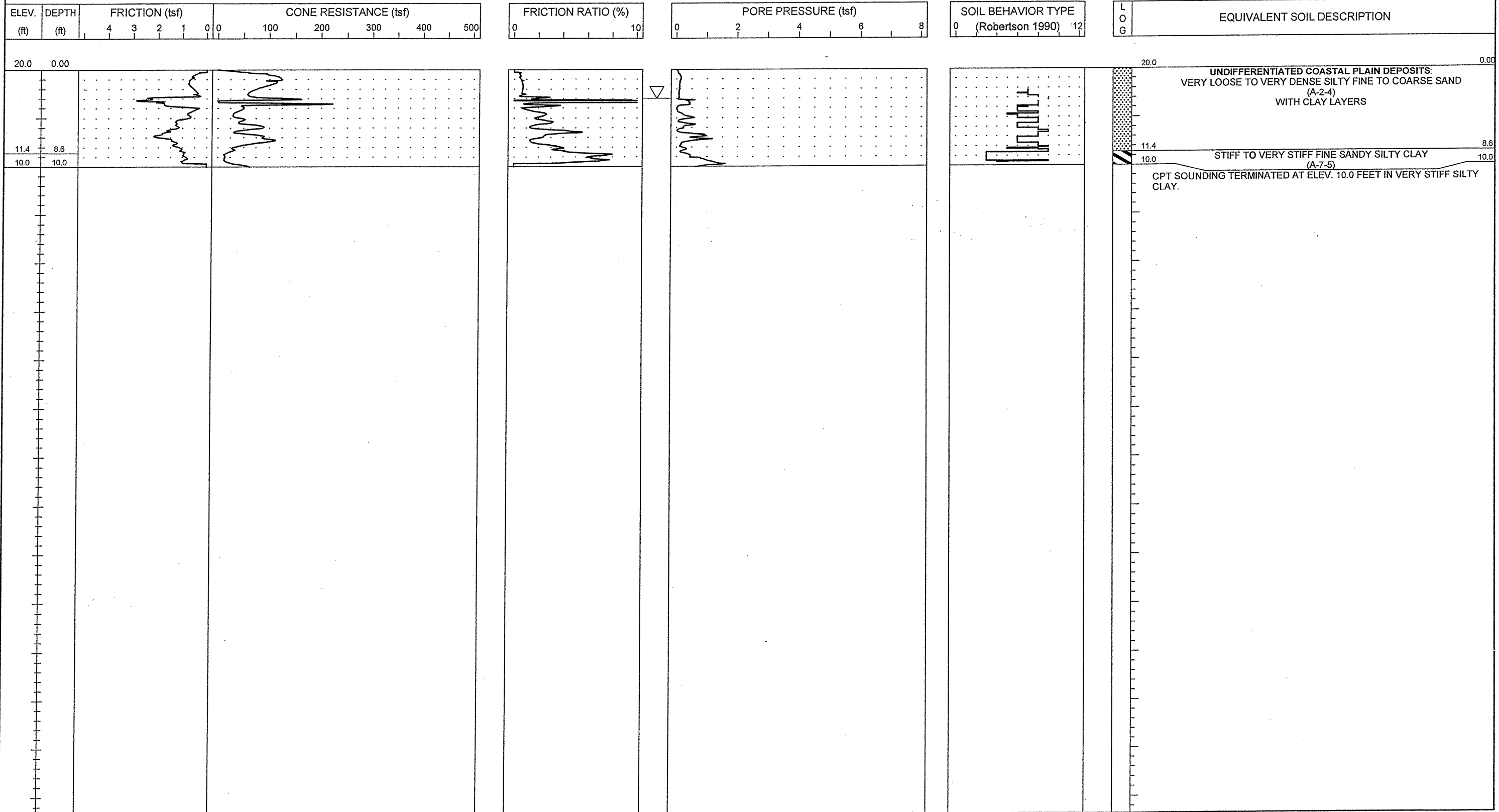


PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-336	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -Y9-	0 HR. 4.0	DATE STARTED 10/13/06	COMPLETED 10/13/06	SURFACE WATER DEPTH N/M	
COLLAR ELEV. 19.5 ft	NORTHING 190,573.9	EASTING 2,297,618.3		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



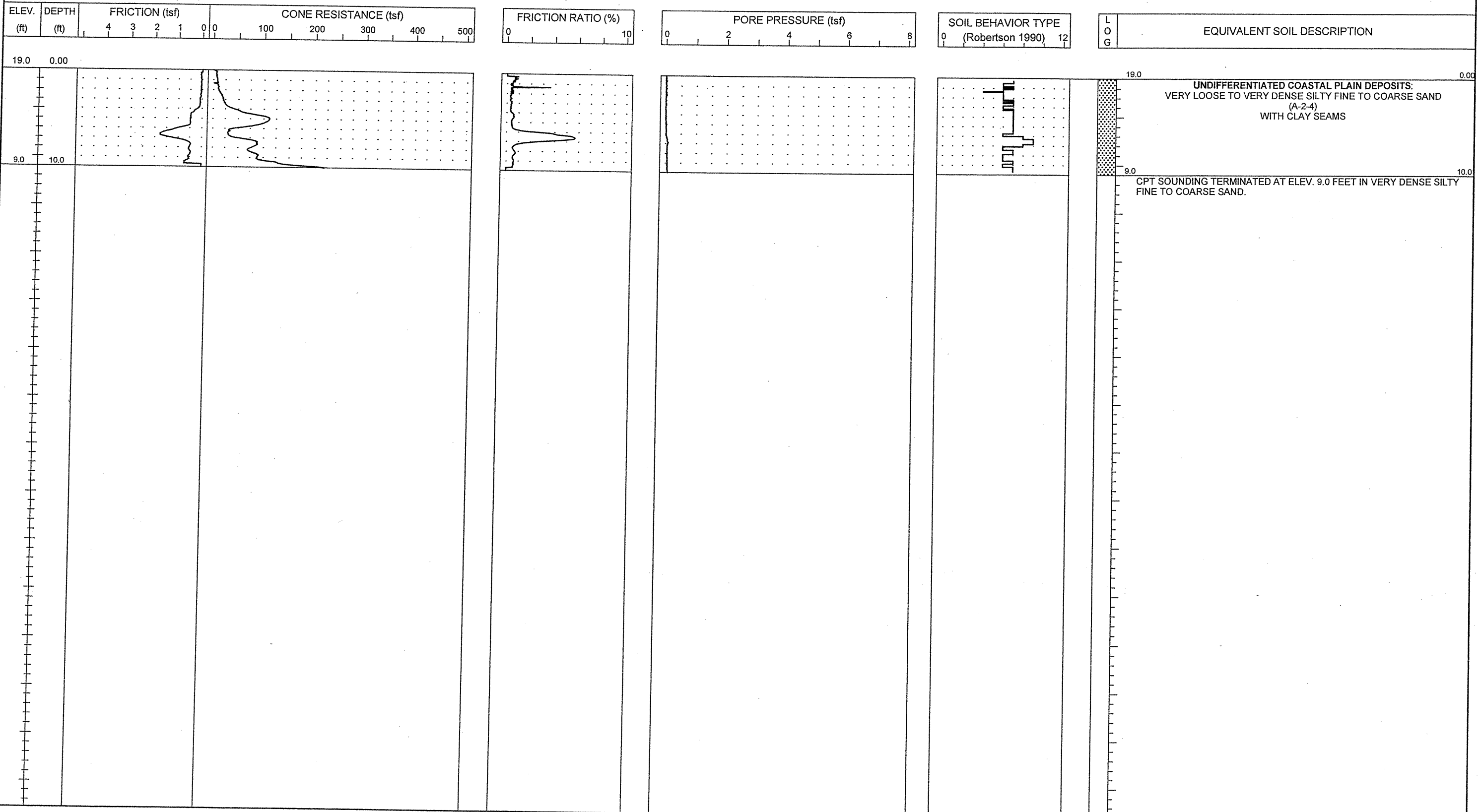


PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-337	BORING LOCATION 14+00	OFFSET 10.0 ft LT	ALIGNMENT -Y9-	0 HR. 3.0	DATE STARTED 10/13/06	COMPLETED 10/13/06
COLLAR ELEV. 20.0 ft	NORTHING 190,637.6	EASTING 2,297,808.7	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M



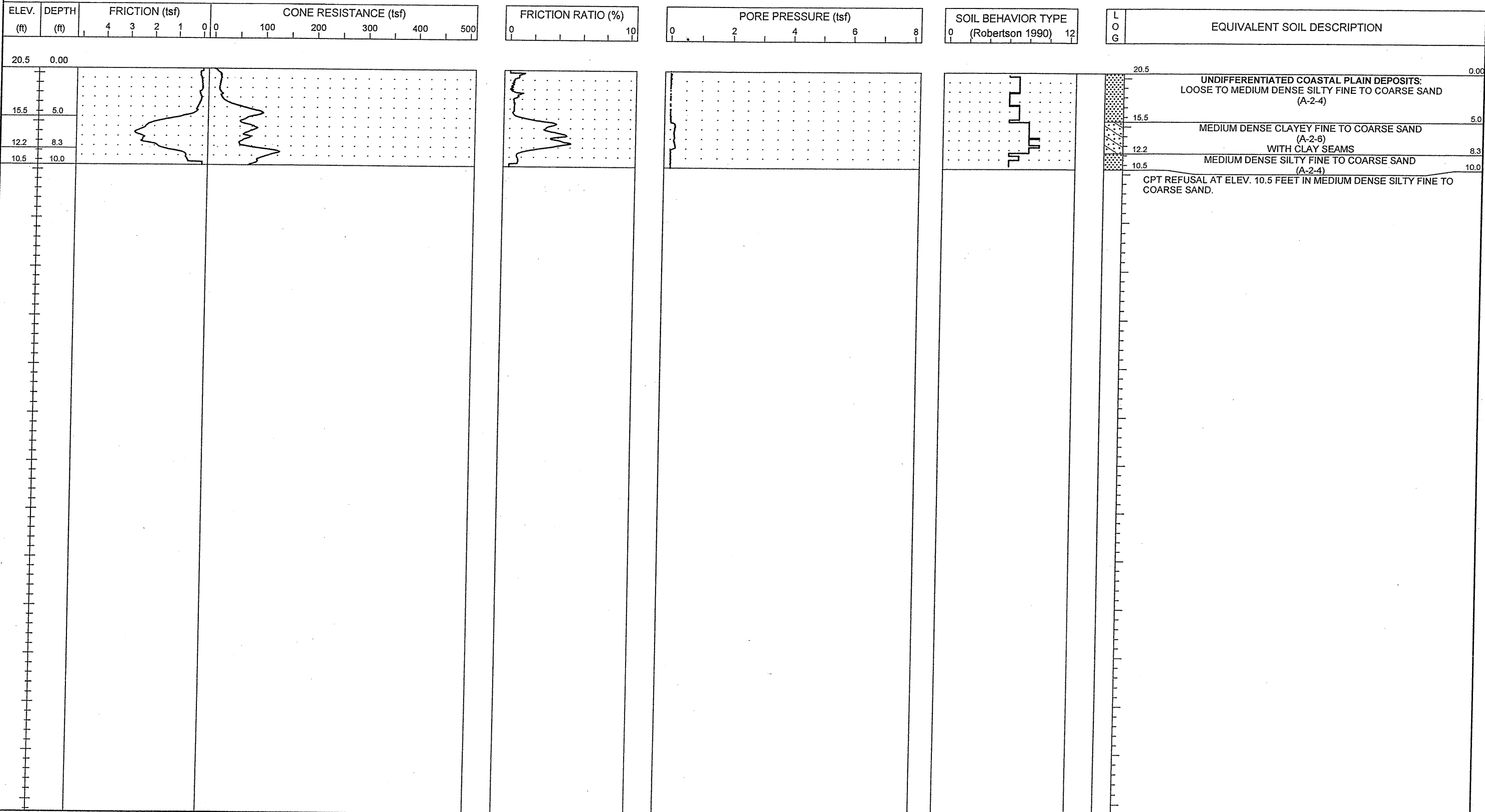
NCDOT CPT - ENGLISH NO N60 51-411 SEC CPT.GPJ NCDOT.GDT 11/13/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-339	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD10-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV. 19.0 ft	NORTHING 190,437.2	EASTING 2,297,242.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A
HAMMER TYPE N/A						





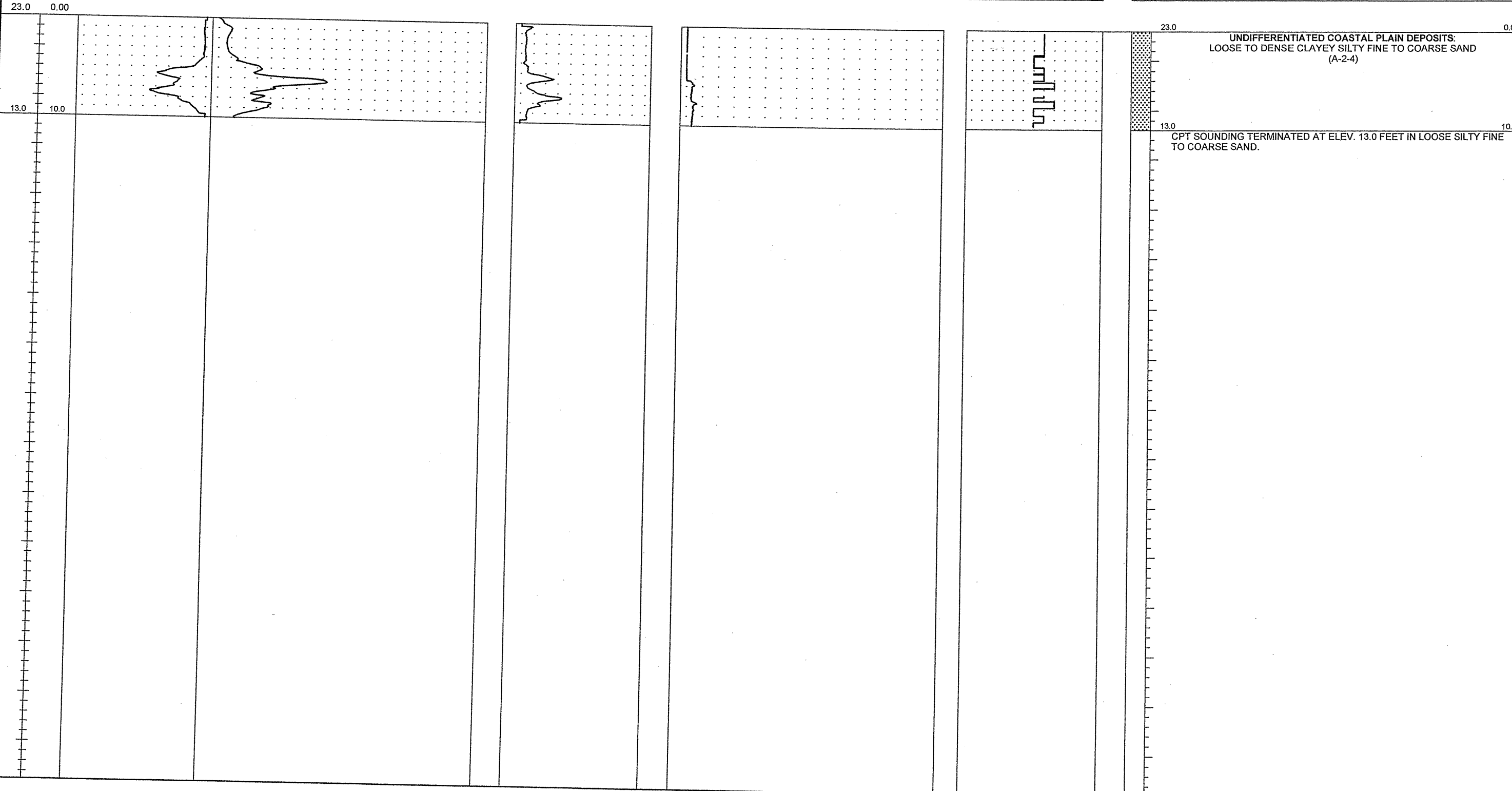
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf		
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push	HAMMER TYPE N/A
BORING NO. C-340	BORING LOCATION 14+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD10-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06	SURFACE WATER DEPTH N/A	
COLLAR ELEV. 20.5 ft	NORTHING 190,474.1	EASTING 2,297,070.3		24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER		



NCDOT CPT - ENGLISH NO N60 51-4117TH.CPT.GPJ NCDOT.GDT 11/13/06

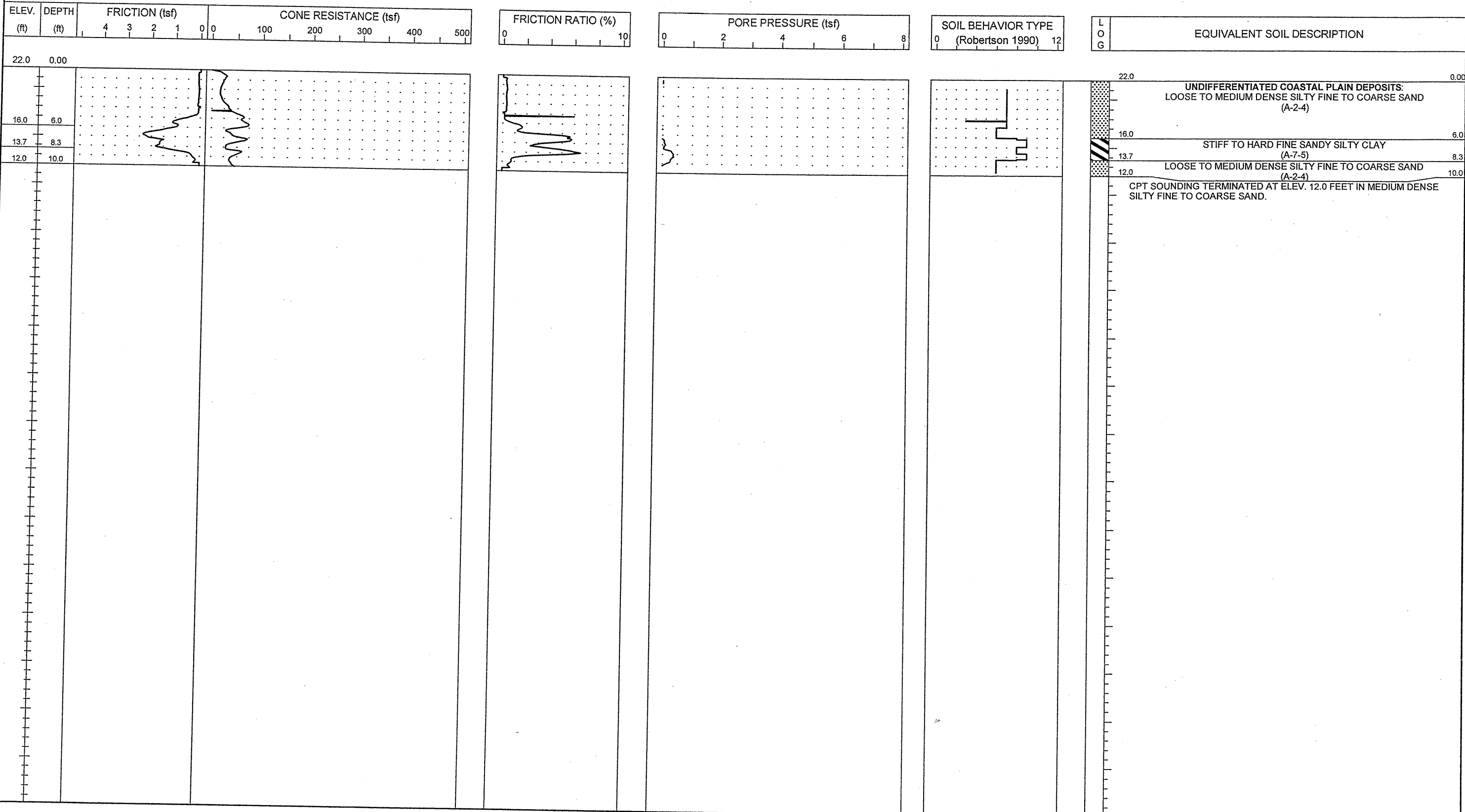
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV
BORING NO. C-341	BORING LOCATION 16+00	OFFSET 0.0 # CL	ALIGNMENT -SVRD10-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV. 23.0 ft	NORTHING 190,666.7	EASTING 2,297,016.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
23.0	0.00					0 (Robertson 1990) 12		



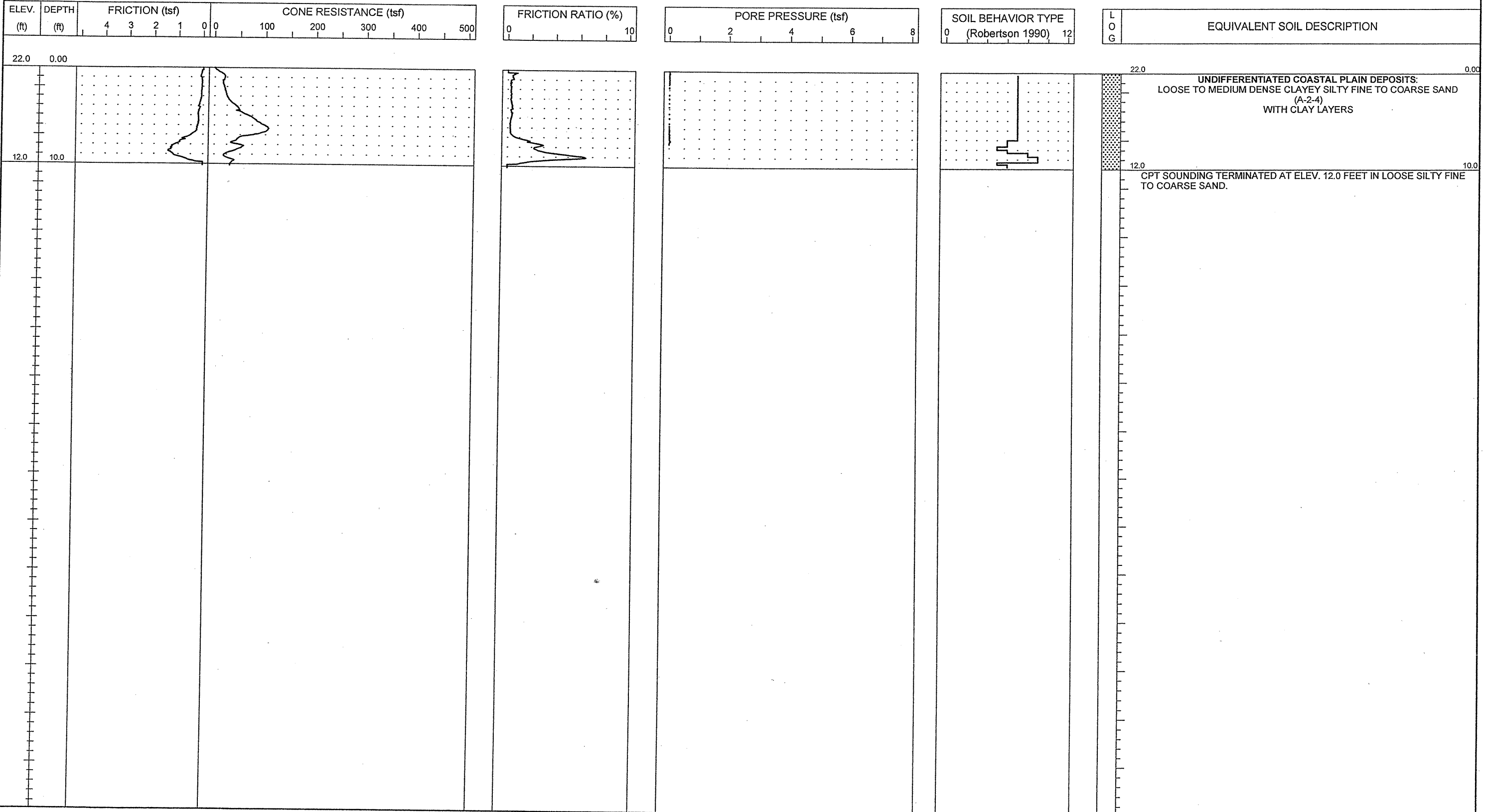
NCDOT CPT - ENGLISH NO. 60 51-411 7TH CPT.GPJ NCDOT.GDT 11/13/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-342	BORING LOCATION 18+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD10-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV. 22.0 ft	NORTHING 190,859.7	EASTING 2,296,964.0	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



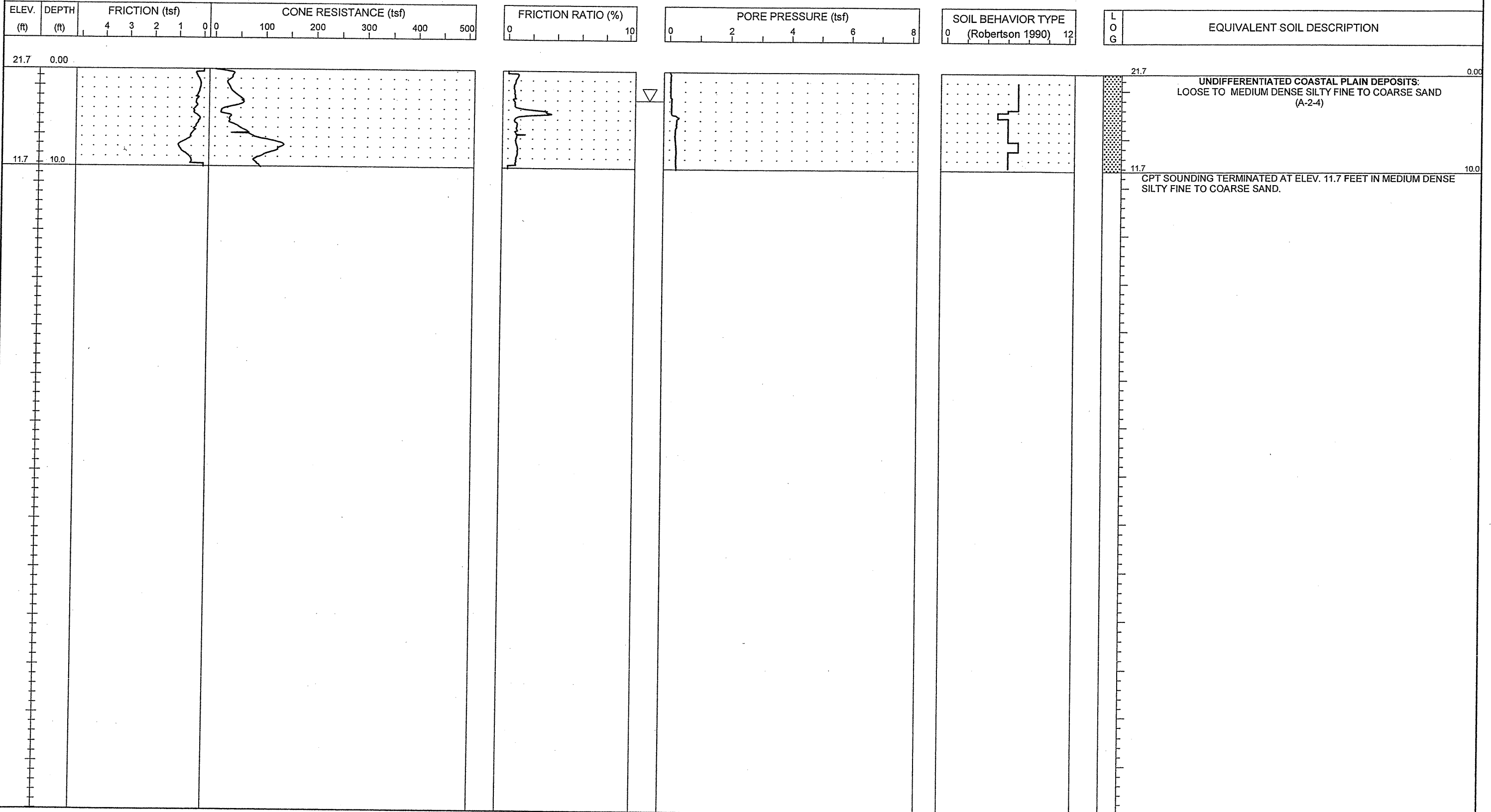


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/ Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-343	BORING LOCATION 20+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD10-	0 HR. N/M	DATE STARTED 11/1/06	COMPLETED 11/1/06
COLLAR ELEV. 22.0 ft	NORTHING 191,052.7	EASTING 2,296,911.4	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

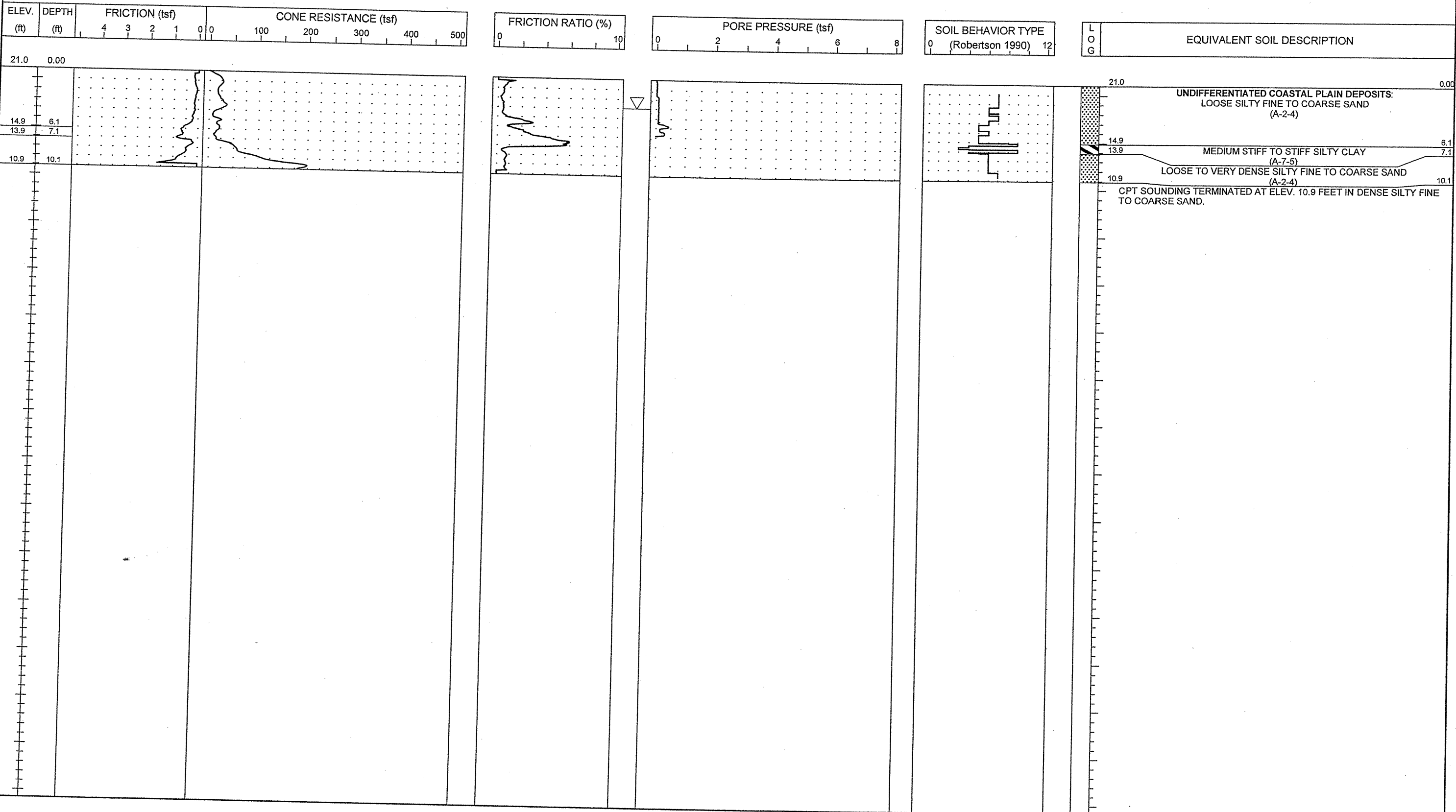




PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 In. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-344	BORING LOCATION 11+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD9-	0 HR. 3.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.7 ft	NORTHING 192,765.0	EASTING 2,296,505.8	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
				HAMMER TYPE N/A		



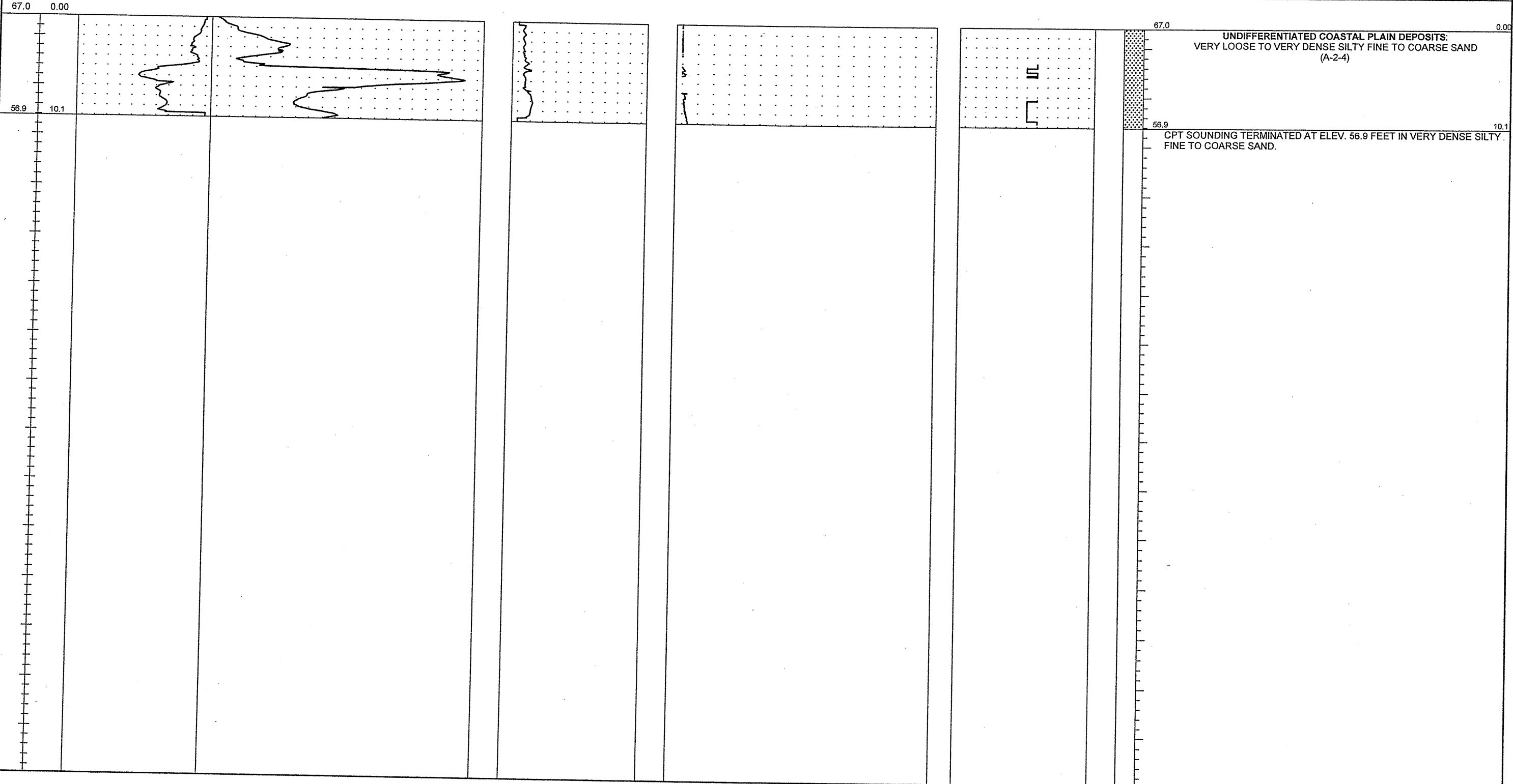
PROJECT NO. 34491.1.2	ID. R2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV
BORING NO. C-345	BORING LOCATION 13+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD9-	0 HR. 3.0	DATE STARTED 10/12/06	COMPLETED 10/12/06
COLLAR ELEV. 21.0 ft	NORTHING 192,598.4	EASTING 2,296,612.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/M
				DRILL METHOD Direct Push		HAMMER TYPE N/A



NCDOT CPT - ENGLISH NO N60 61-411 SEC CPT.GPJ NCDOT.GDT 11/16/06

PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-346	BORING LOCATION 11+50	OFFSET 0.0 ft CL	ALIGNMENT -SVRD5A-	0 HR. N/M	DATE STARTED 11/8/06	COMPLETED 11/8/06
COLLAR ELEV. 67.0 ft	NORTHING 186,418.9	EASTING 2,279,404.2	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

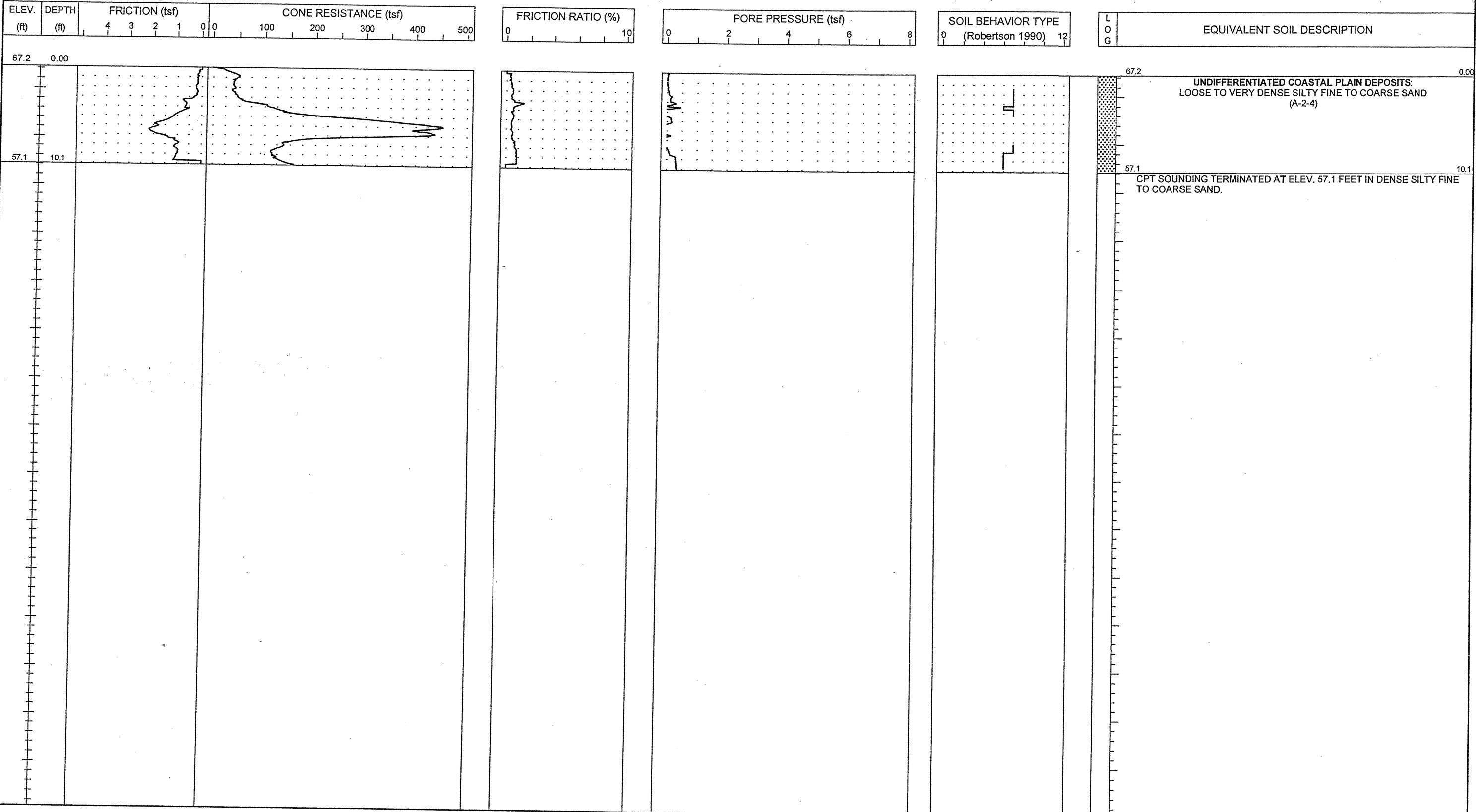
ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
67.0	0.00							



NCDOT CPT - ENGLISH NO N60 51-411 LAST.GPJ NCDOT.GDT 11/19/06

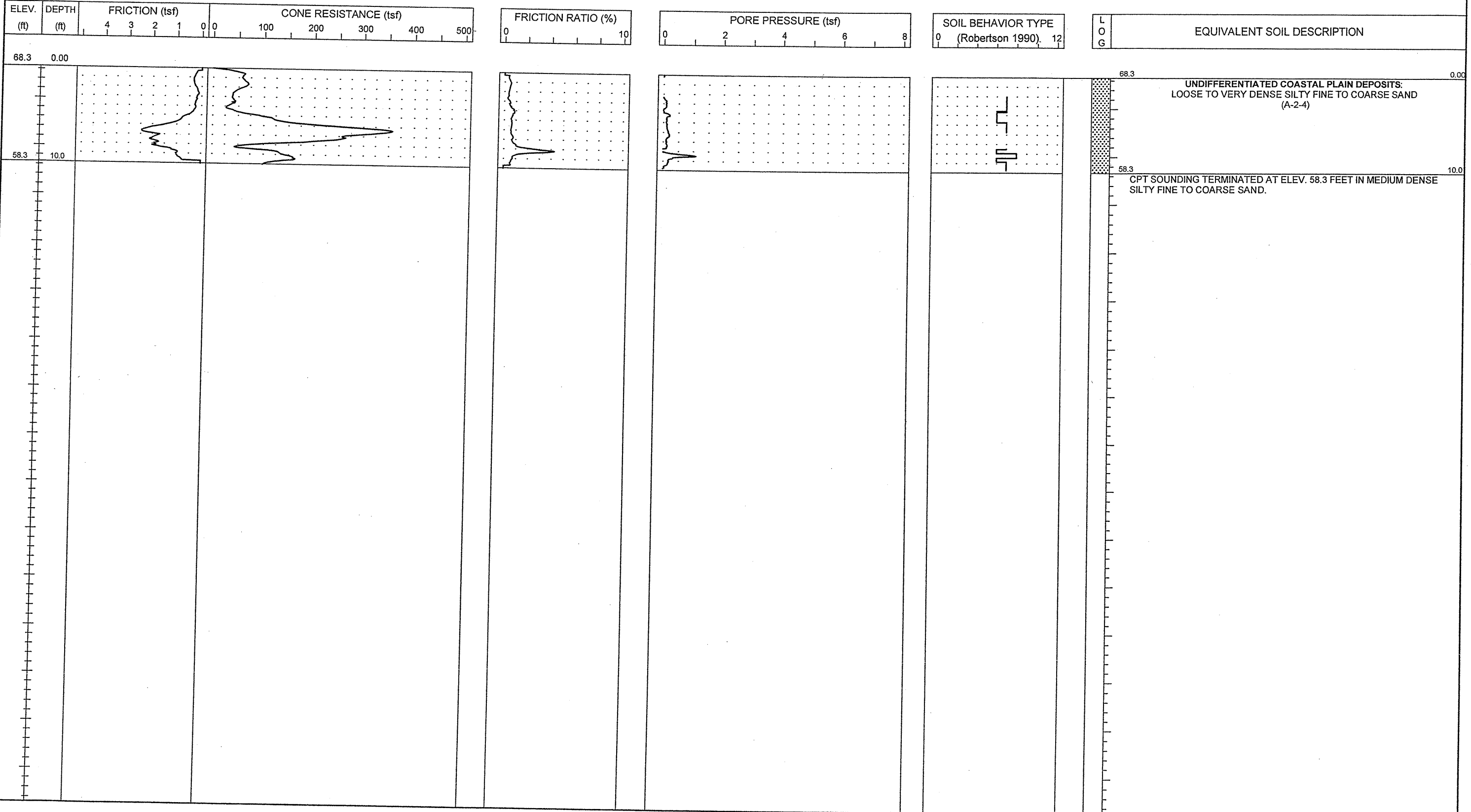


PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)				GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV
BORING NO. C-347	BORING LOCATION 12+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD5-	0 HR. N/M	DATE STARTED 11/8/06	COMPLETED 11/8/06
COLLAR ELEV. 67.2 ft	NORTHING 186,163.4	EASTING 2,279,341.9	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A



NCDOT CPT - ENGLISH NO N60 51-411 LAST.GPJ NCDOT.GDT 11/16/06

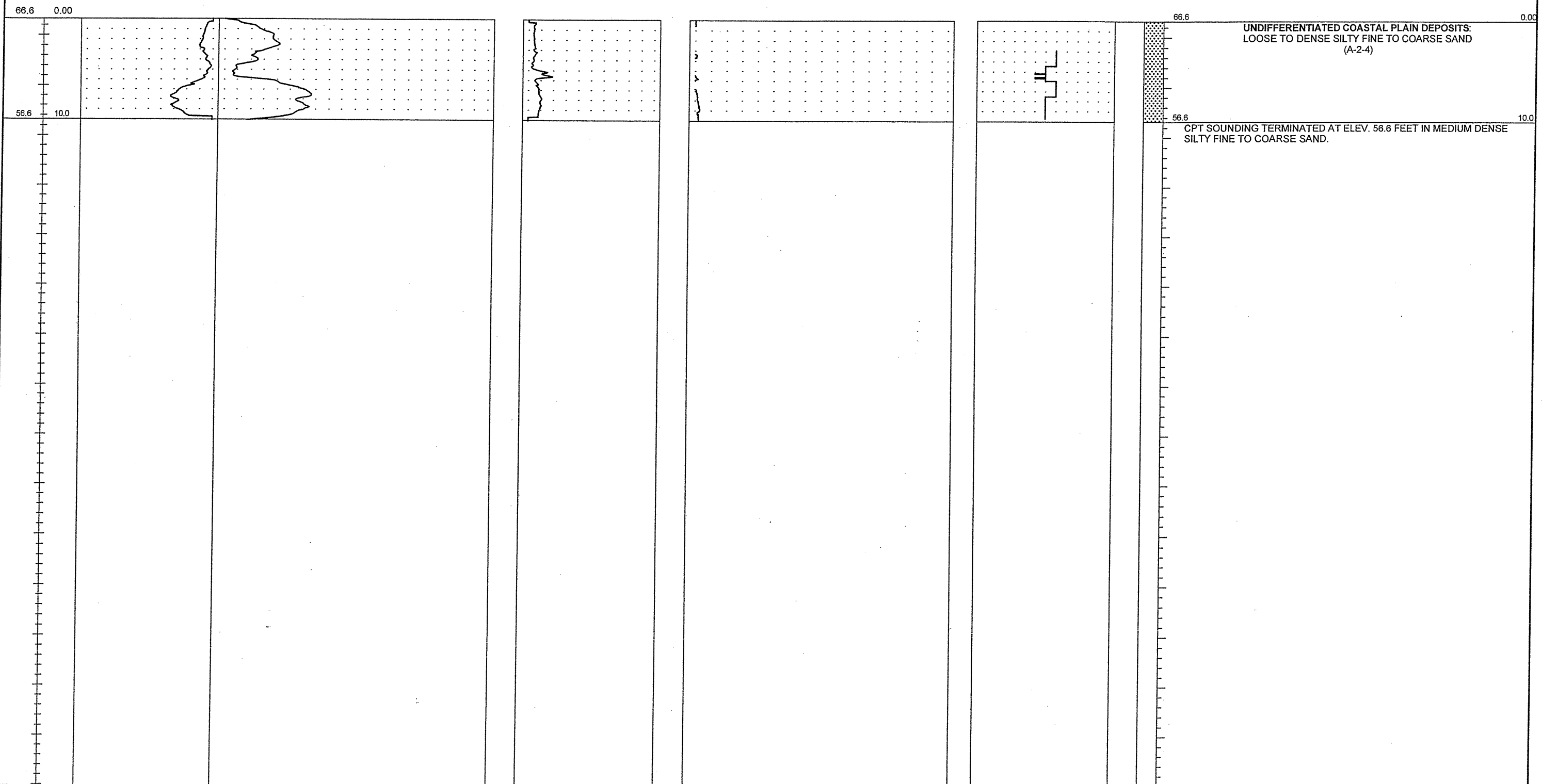
PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-348	BORING LOCATION 14+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD5-	0 HR. N/M	DATE STARTED 11/8/06	COMPLETED 11/8/06
COLLAR ELEV. 68.3 ft	NORTHING 186,195.0	EASTING 2,279,144.5	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A





PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.0 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-349	BORING LOCATION 16+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD5-	0 HR. N/M	DATE STARTED 11/8/06	COMPLETED 11/8/06
COLLAR ELEV. 66.6 ft	NORTHING 186,209.8	EASTING 2,278,945.1	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

ELEV. (ft)	DEPTH (ft)	FRICION (tsf)	CONE RESISTANCE (tsf)	FRICION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
4 3 2 1 0 0		100 200 300 400 500	0 10	0 2 4 6 8	0 (Robertson 1990) 12			



UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:
LOOSE TO DENSE SILTY FINE TO COARSE SAND
(A-2-4)

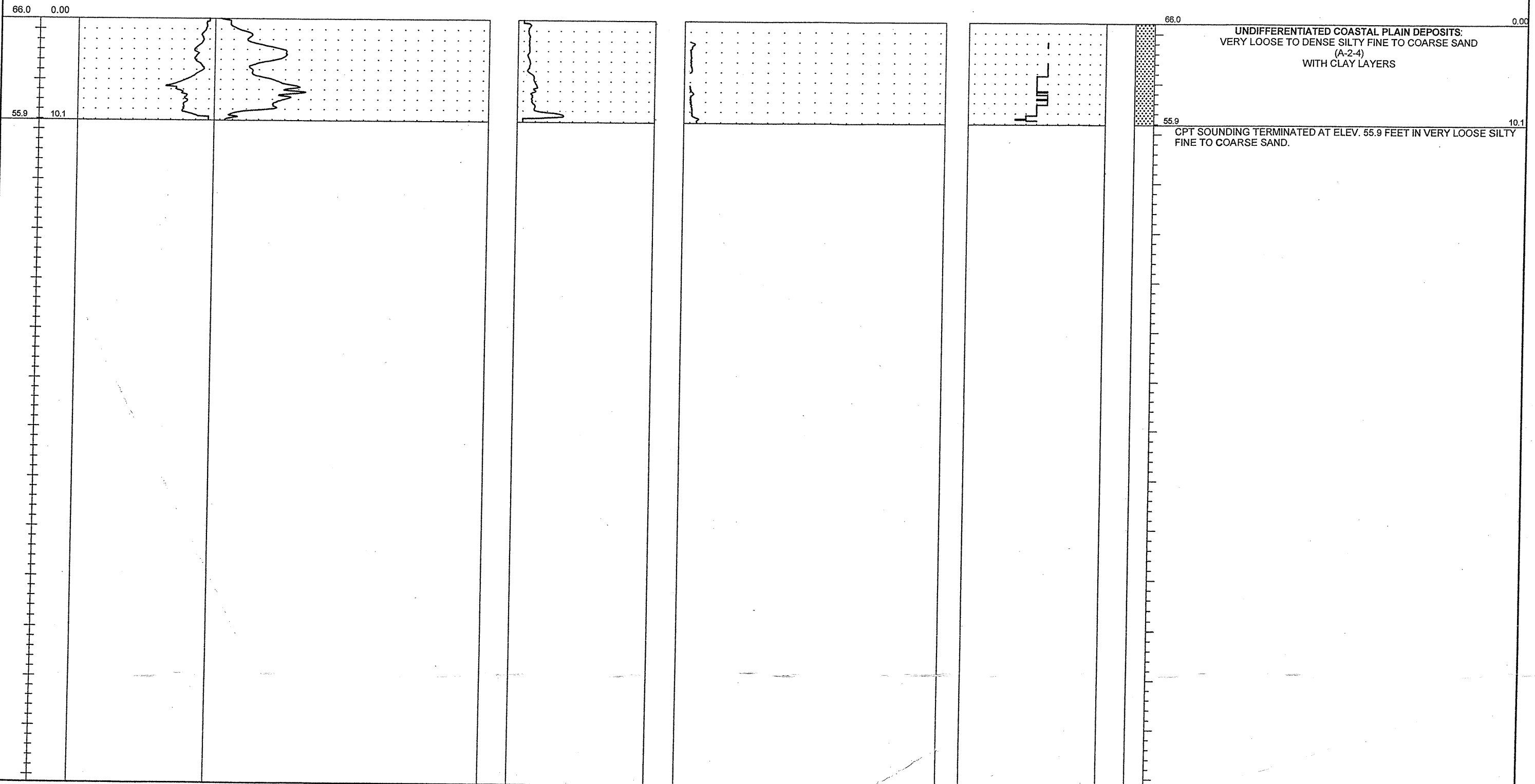
CPT SOUNDING TERMINATED AT ELEV. 56.6 FEET IN MEDIUM DENSE SILTY FINE TO COARSE SAND.

NCDOT.CPT - ENGLISH NO N60 51-411 LAST.GPJ NCDOT.GDT 11/16/06



PROJECT NO. 34491.1.2	ID. R-2633B	COUNTY New Hanover/Brunswick	GEOLOGIST S. JOHNSON	TYPE OF CONE 1.75 in. PEIZO CONE	ROD TYPE 1.75 in Dia.	MAXIMUM DOWN PRESSURE Approximately 920 tsf
SITE DESCRIPTION US 17 (Wilmington Bypass)			GROUND WATER (ft)	TOTAL DEPTH 10.1 ft	DRILL MACHINE CPT-ATV	DRILL METHOD Direct Push
BORING NO. C-350	BORING LOCATION 18+00	OFFSET 0.0 ft CL	ALIGNMENT -SVRD5-	0 HR. N/M	DATE STARTED 11/8/06	COMPLETED 11/8/06
COLLAR ELEV. 66.0 ft	NORTHING 186,224.7	EASTING 2,278,745.6	24 HR. N/M	DRILLER: A. MARTIN	TECHNICIAN J. WALKER	SURFACE WATER DEPTH N/A

ELEV. (ft)	DEPTH (ft)	FRICITION (tsf)	CONE RESISTANCE (tsf)	FRICITION RATIO (%)	PORE PRESSURE (tsf)	SOIL BEHAVIOR TYPE (Robertson 1990)	LOG	EQUIVALENT SOIL DESCRIPTION
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NCDOT CPT - ENGLISH NO N60 51-411 LAST.GPJ NCDOT.GDT 11/16/06