

APPENDIX B

PIEDMONT PROVINCE

B – 2 SPT data

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-02

DATE DRILLED: 1/4/96
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 715
 BORING DEPTH: 78.0
 WATER LEVEL: 61.5 ft @ TOS
 DRILL RIG: Mobile B-57

NOTES: N 32.814
 W 85.120
 Manual Hammer

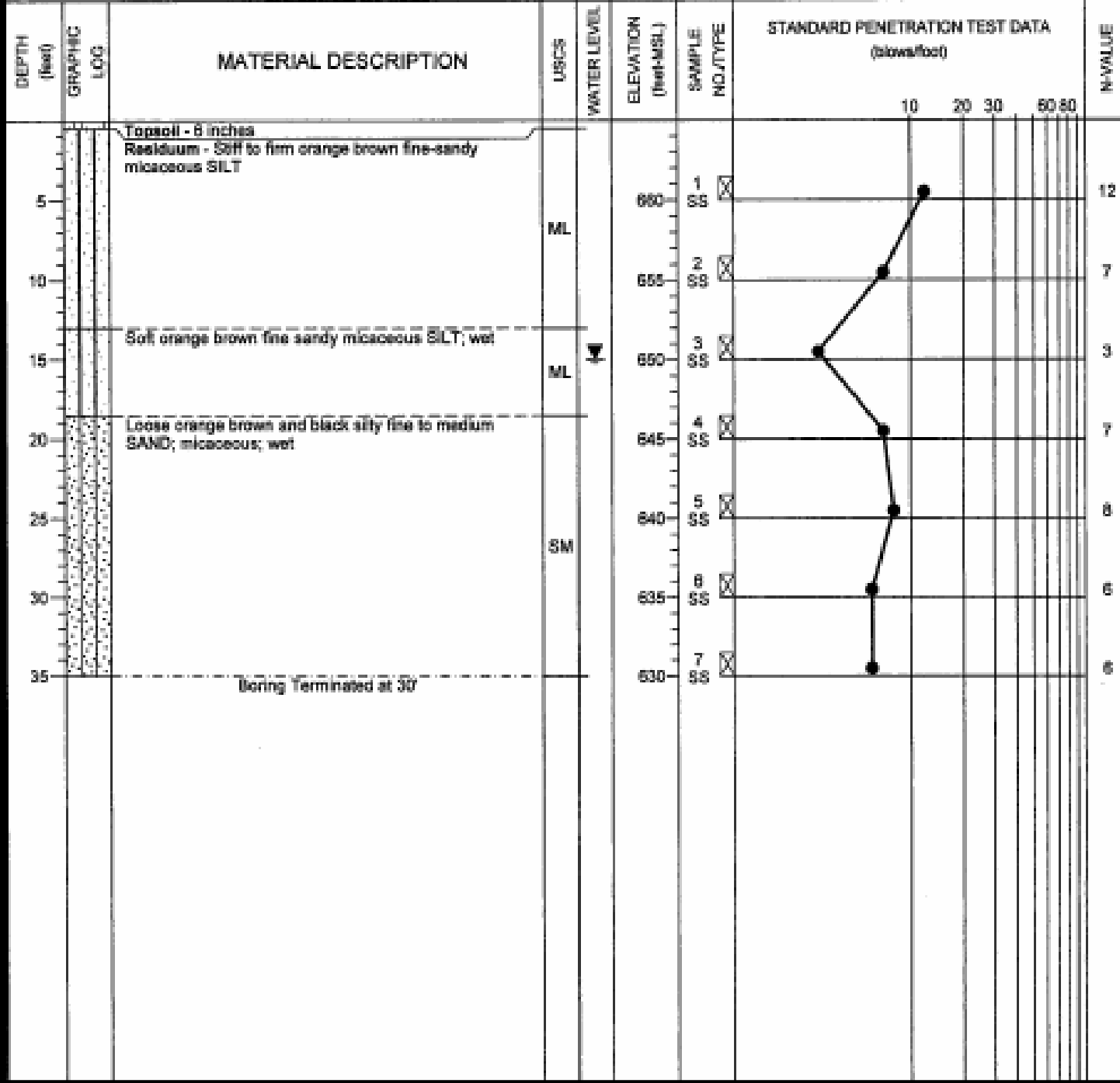
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0 - 2		Cultivated soil - 2 ft.										
2 - 10		Residuum - Medium dense red brown micaceous clayey fine- to medium-SAND	SC		710	1 SS						14
10 - 15		Loose to medium dense gray, white & black micaceous silty fine- to medium-SAND	SM		705	2 SS						8
15 - 20		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT			700	3 SS						11
20 - 25		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT			695	4 SS						11
25 - 30		Very micaceous lense @ 40 ft			690	5 SS						14
30 - 35		Very micaceous lense @ 40 ft			685	6 SS						13
35 - 40		Very micaceous lense @ 40 ft			680	7 SS						10
40 - 45		Very micaceous lense @ 40 ft	ML		675	8 SS						18
45 - 50		Very micaceous lense @ 40 ft			670	9 SS						18
50 - 55		Medium dense gray, white, brown & black micaceous silty fine- to medium-SAND	HC		665	10 SS						21
55 - 60		Hard Drilling from 67 ft to 68 ft			660	11 SS						19
60 - 65		Hard Drilling from 67 ft to 68 ft			655	12 SS						24

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-03

DATE DRILLED: 1/7/88 ELEVATION: 688
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 35.0
 LOGGED BY: JB WATER LEVEL: 16 ft @ 24 hrs
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.911
 W 85.123
 Automatic Hammer

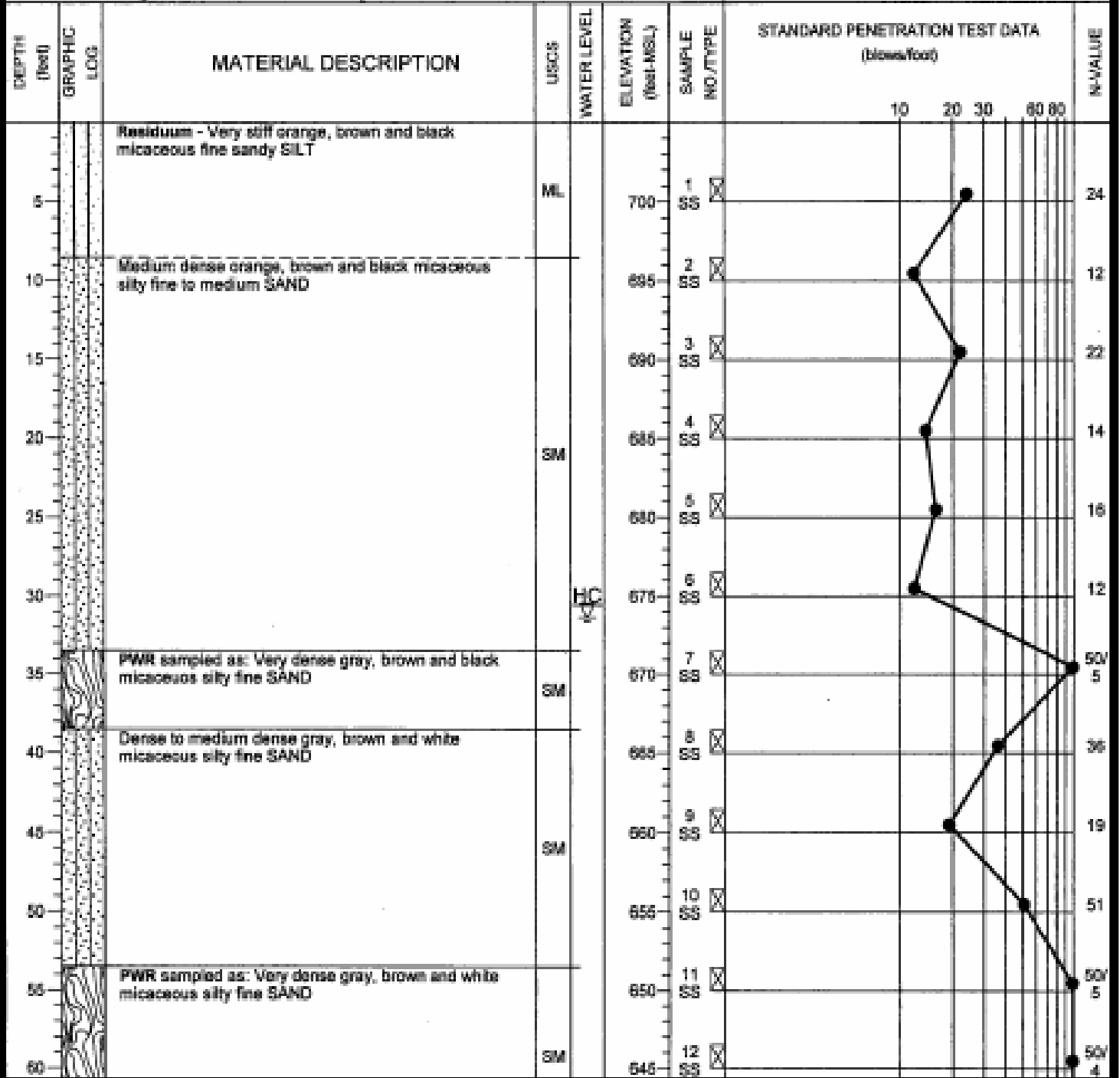


PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-05

DATE DRILLED: 1/6/88 ELEVATION: 708
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 65.0
 LOGGED BY: TR WATER LEVEL: 31.4 ft @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.916
 W 85.120
 Automatic Hammer




PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-05

DATE DRILLED: 1/6/06 ELEVATION: 766
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 85.0
 LOGGED BY: TR WATER LEVEL: 31.4 ft @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.120
 Automatic Hammer

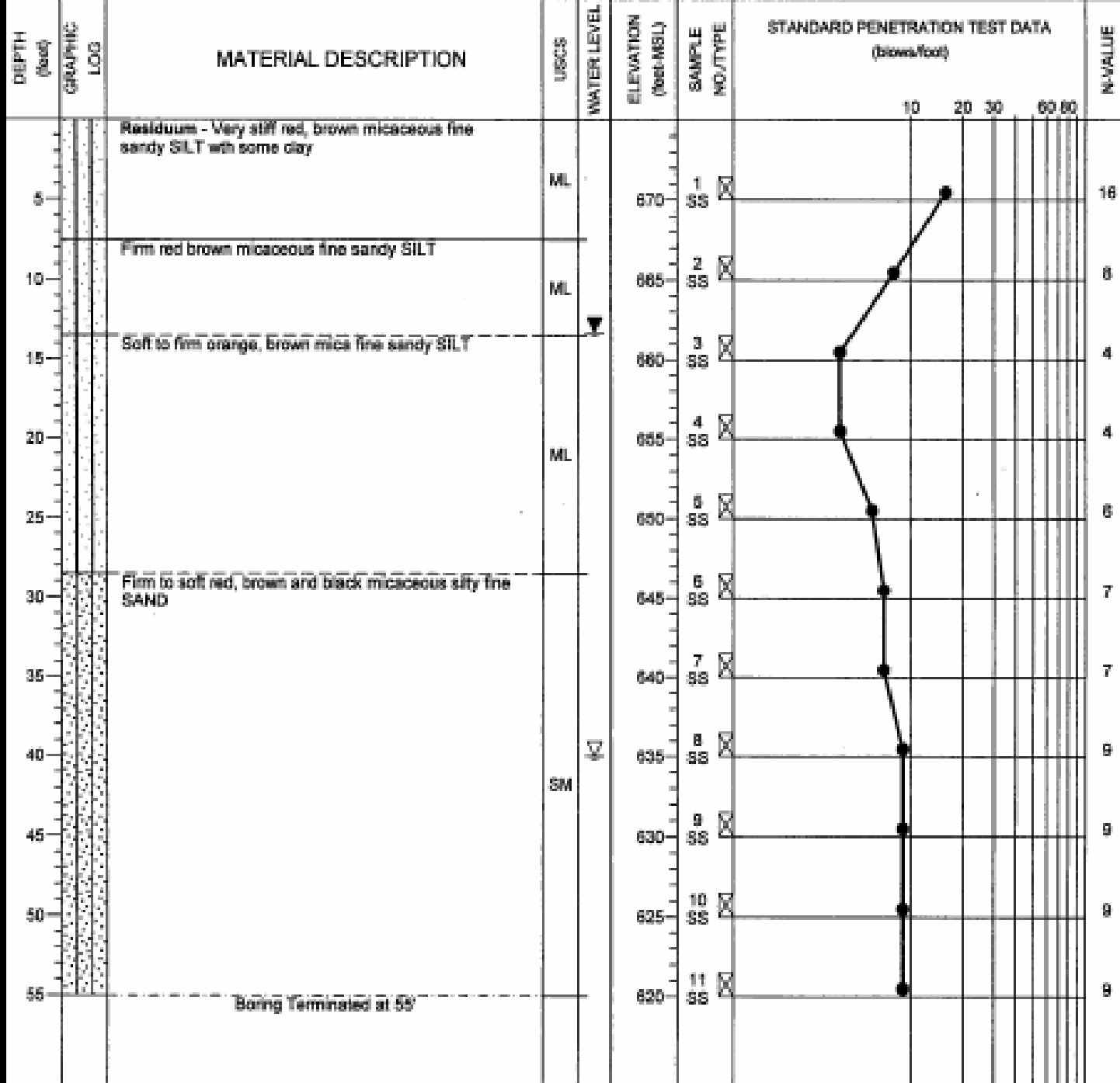
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	LOGS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
85		PWR sampled as: Very dense gray, brown and white micaceous silty fine SAND (continued) Boring Terminated at 85'			840	13 SS [X]						50 or

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-06(P)

DATE DRILLED: 1/5/06 ELEVATION: 675
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 55.0
 LOGGED BY: TR WATER LEVEL: 13.3 ft @ 24 hrs
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: Piezometer bottom at 45'
 N 32.913
 W 85-123
 Automatic Hammer

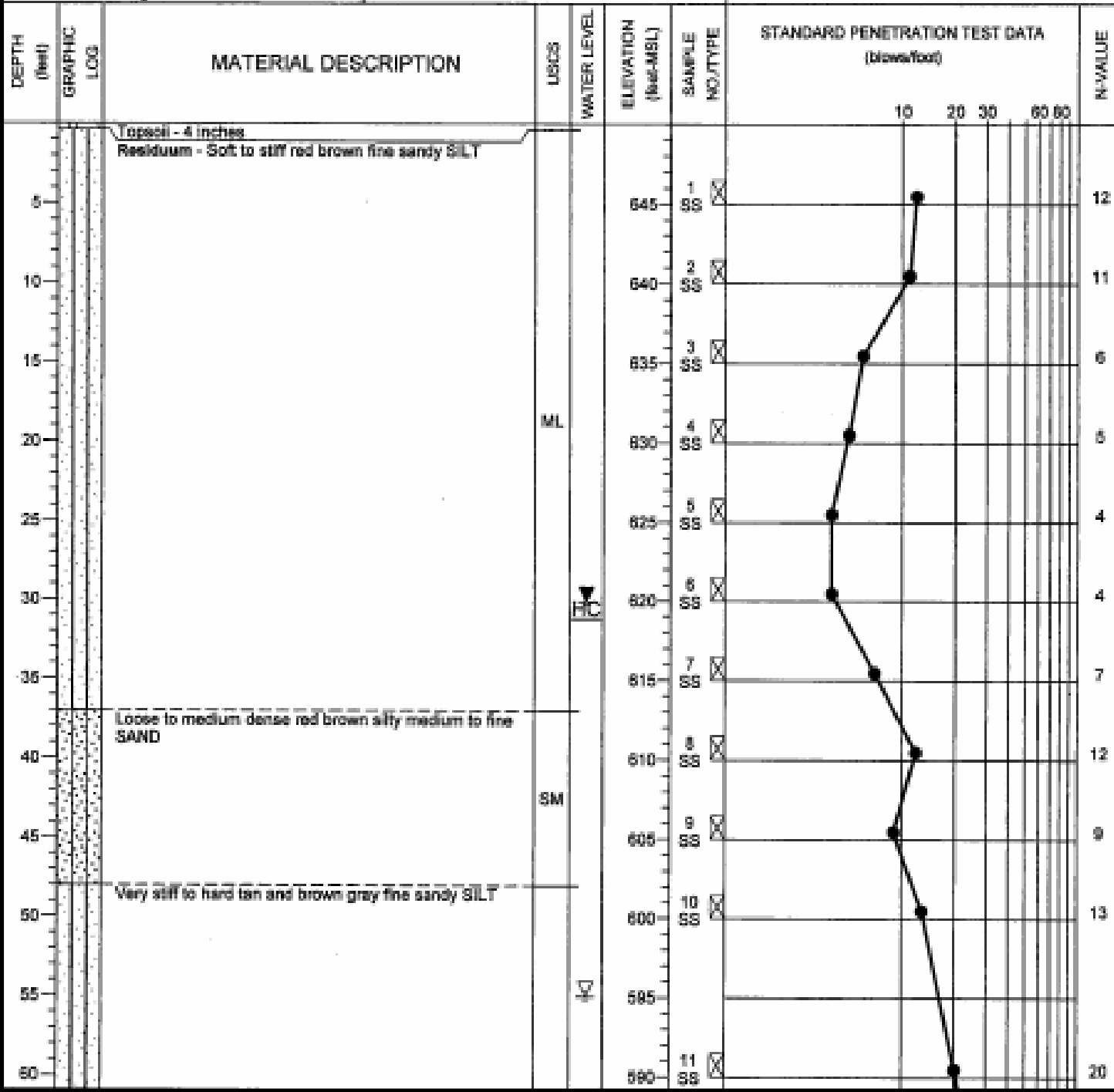


PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-07

DATE DRILLED: 1/10/06 ELEVATION: 650
 DRILLING METHOD: 2" H.S.A. BORING DEPTH: 90.0
 LOGGED BY: WT WATER LEVEL: 30.1 ft @ 24 hrs
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.922
 W 85.126
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-153

BORING LOG B-07

DATE DRILLED: 1/10/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: D. Hedges

ELEVATION: 650
 BORING DEPTH: 90.0
 WATER LEVEL: 30.1 ft @ 24 hrs
 DRILL RIG: CME 550x

NOTES: N 32.932
 W 85.128
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Very stiff to hard tan and brown gray fine sandy SILT (continued)	ML		585							
70												
75					575							
80					570	13 88 SC						
85					565							
90		Boring Terminated at 90'			560							

10 20 30 60 80

30
38

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-08

DATE DRILLED: 10/08 ELEVATION: 675
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 50.0
 LOGGED BY: WT WATER LEVEL: NGWE@TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-57

NOTES: H 32.920
 W 85.119
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)				N-VALUE	
							10	20	30	60 80		
0-4		Topsoil - 4 inches										
4-50		Residuum - Medium dense red, brown silty medium to fine SAND	SM									
25-35		Stiff to very stiff red, brown and black medium to fine sandy SILT	ML									
35-40		Medium dense red and white silty micaceous medium to fine SAND	SM	HC								
40-50		Stiff to very stiff brown fine sandy SILT with mica	ML									
50		Boring Terminated at 50'										

Sample No.	Depth (ft)	USCS	Penetration (blows/foot)	N-Value
1	670	SS	18	18
2	655	SS	15	15
3	660	SS	16	16
4	655	SS	17	17
5	660	SS	14	14
6	645	SS	18	18
7	640	SS	19	19
8	635	SS	15	15
9	630	SS	12	12
10	625	SS	17	17

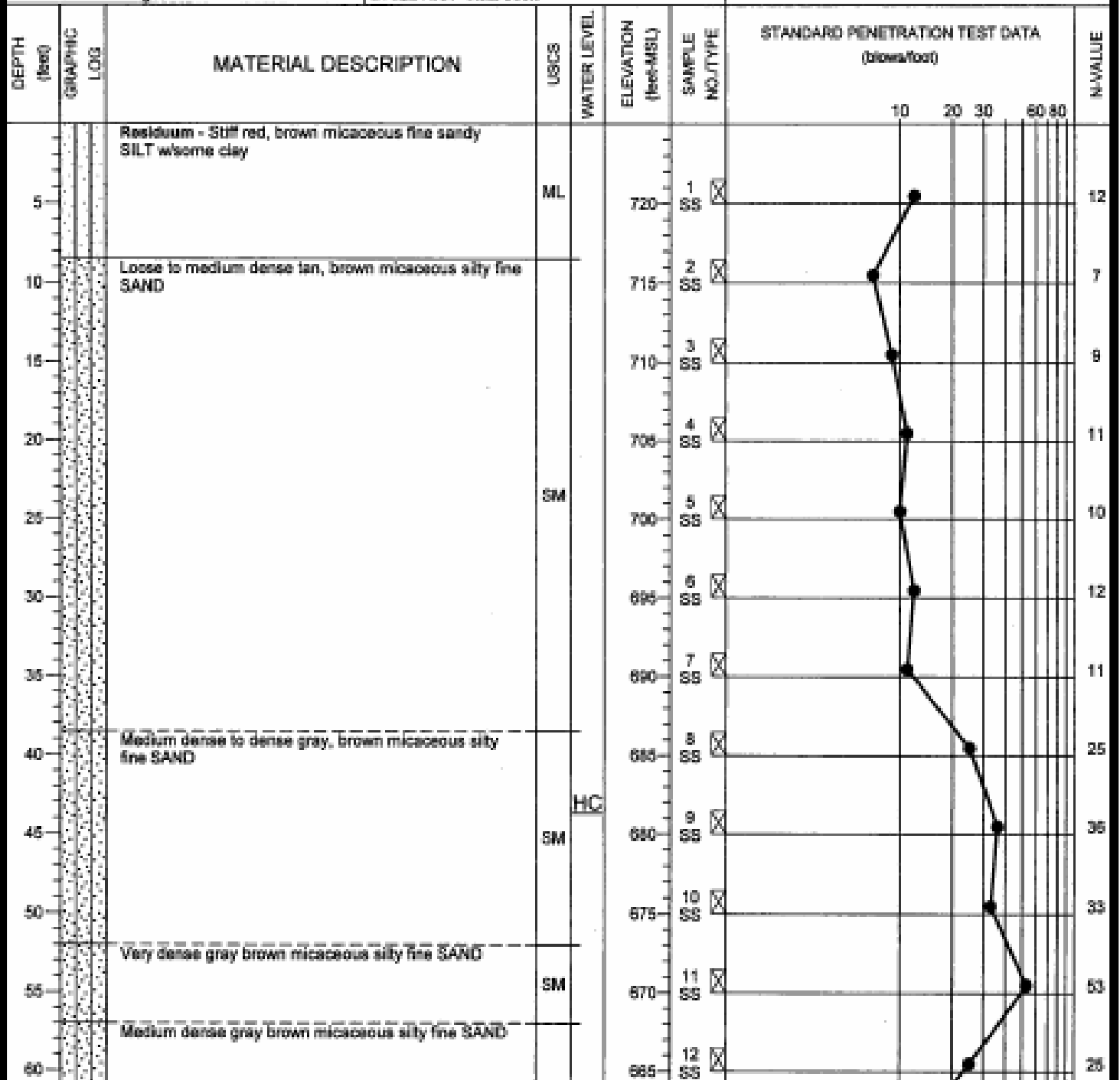
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-09

DATE DRILLED: 1/8/05 ELEVATION: 725
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: TR WATER LEVEL: NQWE @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.122

Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-09

DATE DRILLED: 1/8/06	ELEVATION: 725	NOTES: N 32.915 W 85.122 Automatic Hammer
DRILLING METHOD: 2 1/2" H.S.A.	BORING DEPTH: 70.0	
LOGGED BY: TR	WATER LEVEL: NONE @ TOB	
DRILLER: D. Hedges	DRILL RIG: CME 550x	

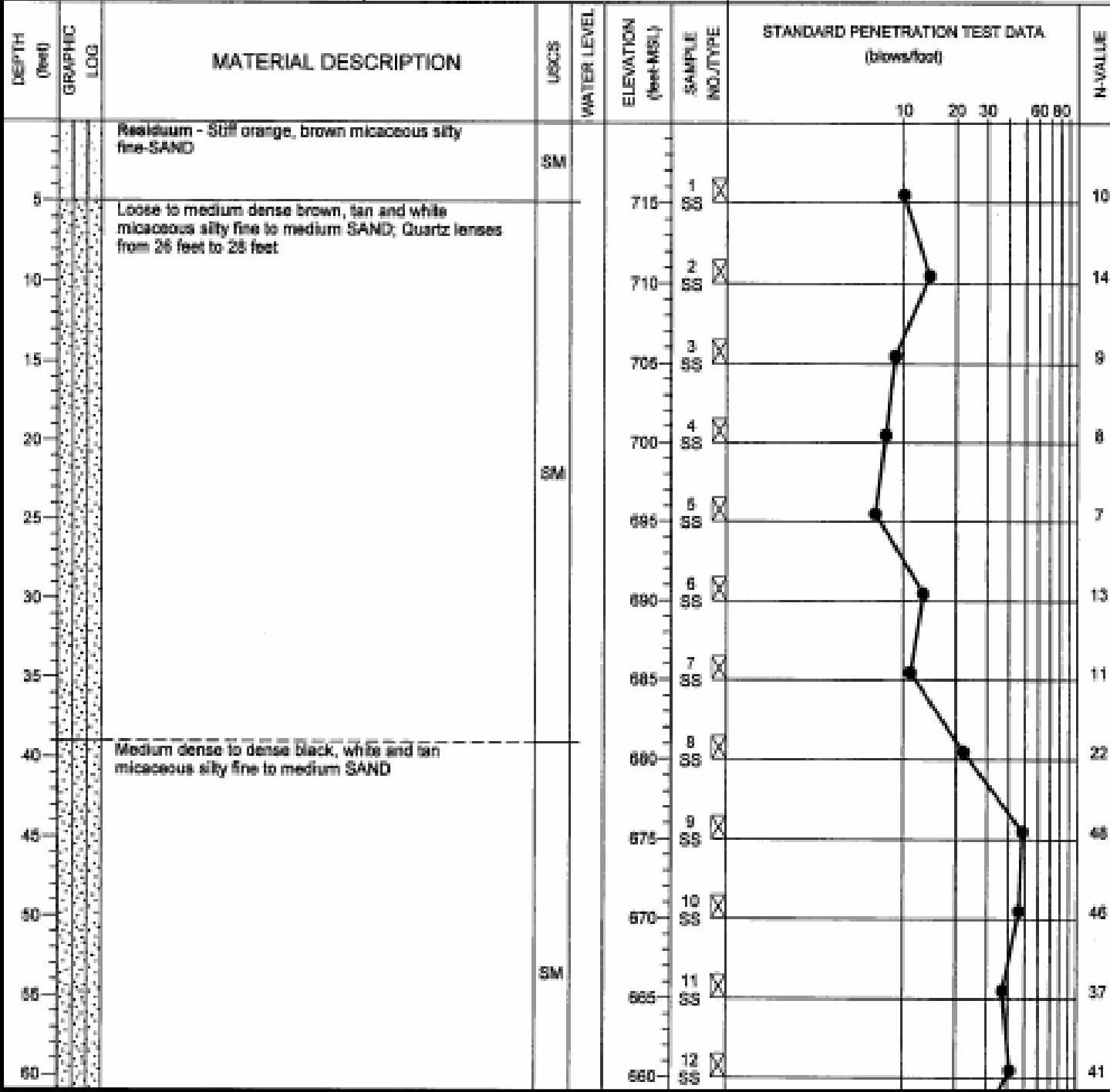
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	40	50	
65		Medium dense gray brown micaceous silty fine SAND (continued)	SM		660	13 SS						11
70		PWT - sampled as Very dense gray brown micaceous silty fine to medium SAND Boring Terminated at 70'	SM		665	14 SS						50

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-09A

DATE DRILLED: 1/4/08 ELEVATION: 720
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: TR WATER LEVEL: NGWE @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: M 32.918
 W 55.123
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1631-05-183

BORING LOG B-09A

DATE DRILLED: 1/4/06 ELEVATION: 720
 DRILLING METHOD: 2W" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: TR WATER LEVEL: NGWE @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: M 32.01#
 W 65.123
 Automatic Hammer

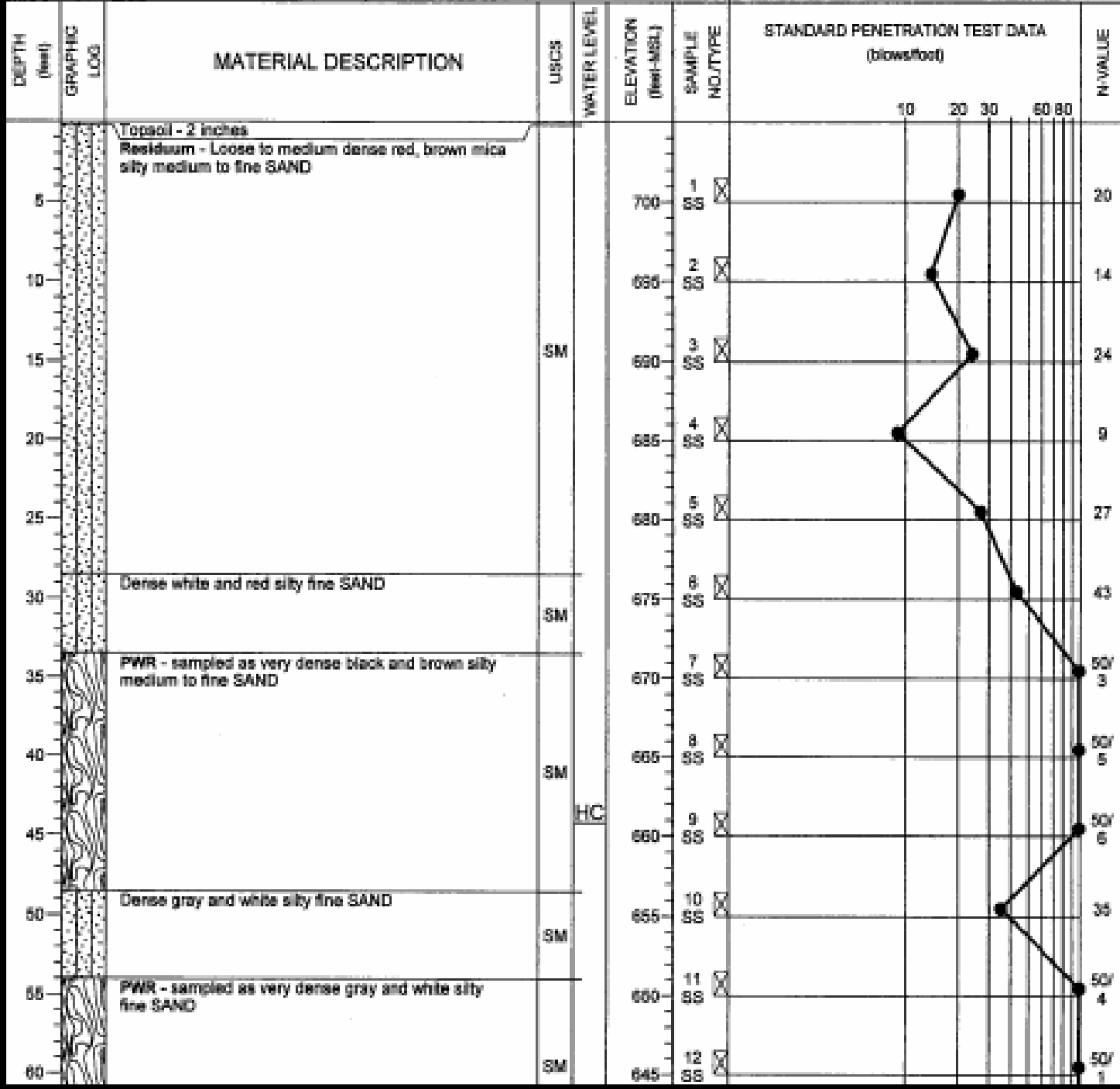
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Medium dense to dense black, white and tan micaceous silty fine to medium SAND (continued)			655	13 SM						24
70		PWR sampled as: Very dense black, white and tan micaceous silty fine to medium SAND Boring Terminated at 70'	SM		650	14 SM						50

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-06-183

BORING LOG B-11

DATE DRILLED: 1/6/08 ELEVATION: 768
 DRILLING METHOD: 2½" H.S.A. BORING DEPTH: 65.0
 LOGGED BY: WT WATER LEVEL: NGWE@TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-67

NOTES: N 32.911
 W 86.127
 Manual Hammer




PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1551-05-183

BORING LOG B-11

DATE DRILLED: 1/8/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 705
 BORING DEPTH: 65.0
 WATER LEVEL: NGWE@TCB
 DRILL RIG: Mobile B-57

NOTES: N 32.911
 W 55.127
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		PWR - sampled as very dense gray and white silty fine SAND (continued) Boring Terminated at 65'			640	13 SS [X]						50 ○

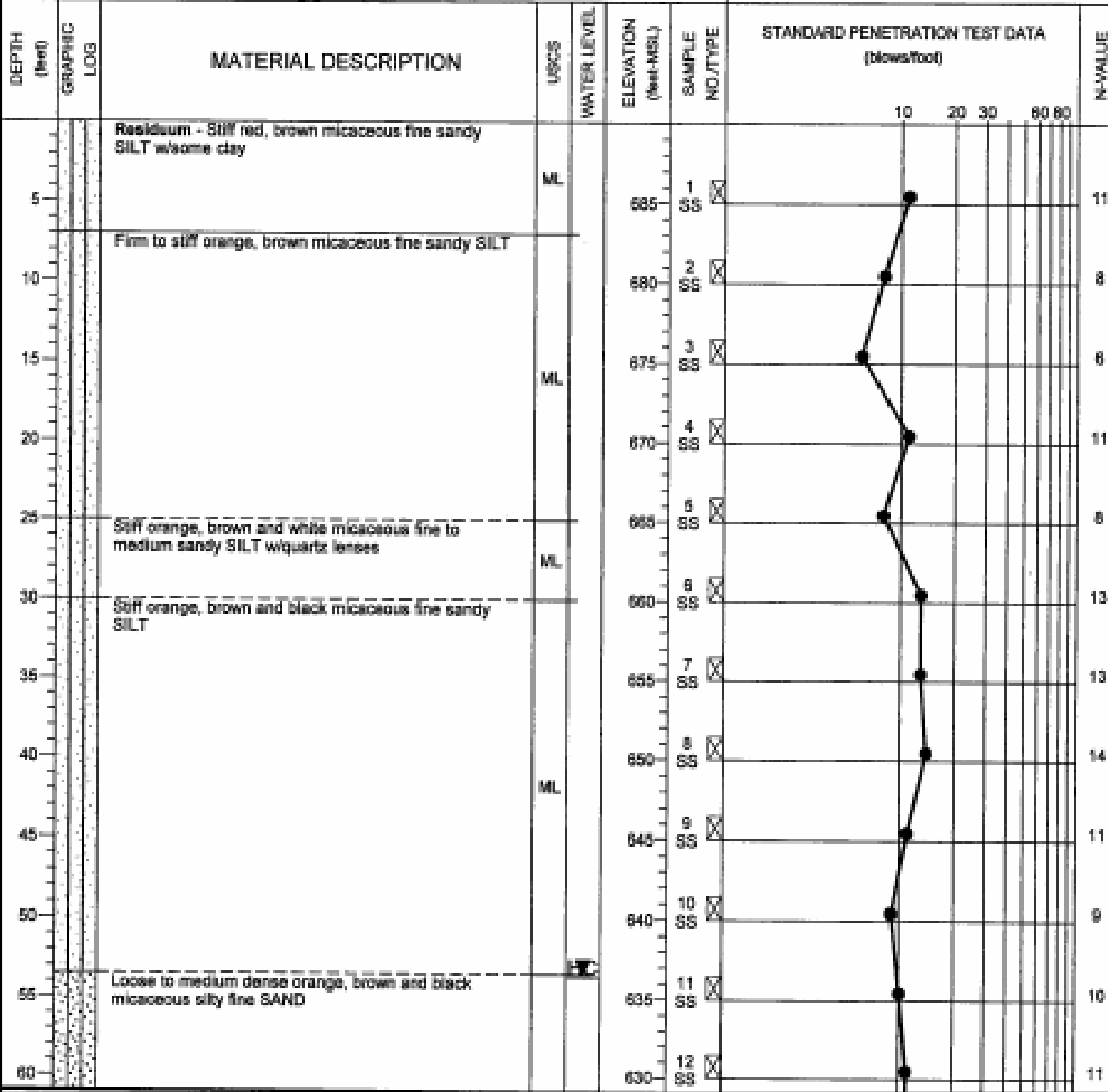
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-12

DATE DRILLED: 1/5/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 690
 BORING DEPTH: 69.0
 WATER LEVEL: 63.5 ft @ 24 hrs
 DRILL RIG: CME 650c

NOTES: M 32.918
 W 85.123
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-12

DATE DRILLED: 1/5/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 690
 BORING DEPTH: 80.0
 WATER LEVEL: 53.5 ft @ 24 hrs
 DRILL RIG: CME 550z

NOTES: N 32.916
 W 88.123
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					BL VALUE
							10	20	30	60	80	
65		Loose to medium dense orange, brown and black micaceous silty fine SAND (continued)	SM		625	13 SS (X)						13
70					620	14 SS (X)						14
75		Very stiff to hard orange, brown, black and white fine sandy SILT w/ quartz lenses	ML		615	15 SS (X)						15
80		Boring Terminated at 80'			610	16 SS (X)						16

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-13

DATE DRILLED: 1/4/06 ELEVATION: 696
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 40.0
 LOGGED BY: TR WATER LEVEL: NGWS@TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.913
 W 85.129
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)				N-VALUE
							10	20	30	60-80	
0 - 5		Residuum - Firm red, brown micaceous fine sandy SILT	ML		695	1 SS					8
5 - 10					690	2 SS					8
10 - 15		Medium dense tan, brown and white micaceous clayey, silty fine- to medium-SAND	SC SM		675	3 SS					6
15 - 20					670	4 SS					18
20 - 25		Firm orange, brown and black micaceous silty fine-SAND	SM		665	5 SS					7
25 - 30					660	6 SS					8
30 - 35					655	7 SS					7
35 - 40					650	8 SS					7
					Boring Terminated at 40'						

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-14

DATE DRILLED: 1/4/08 ELEVATION: 695
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 50.0
 LOGGED BY: JB WATER LEVEL: NGWE@TOB
 DRILLER: D. Hedgas DRILL RIG: CME 550x

NOTES: N 32.9114
 W 85.127
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil - 1 inch Firm to stiff orange, brown micaceous fine sandy SILT										
5					690	1 SS						11
10					685	2 SS						5
15					680	3 SS						10
20			MH		675	4 SS						9
25					670	5 SS						7
30					665	6 SS						13
35					660	7 SS						9
40		Stiff to firm orange, white and black micaceous fine sandy SILT w/quartz lenses	HC		655	8 SS						12
45			ML		650	9 SS						8
50		Boring Terminated at 50'			645	10 SS						11

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-15

DATE DRILLED: 1/6/04 ELEVATION: 690
 DRILLING METHOD: 2W" H.S.A. BORING DEPTH: 60.0
 LOGGED BY: WT WATER LEVEL: 61 ft @ TOB
 DRILLER: T. Cakes DRILL RIG: Mobile B-57

NOTES: N 32.924
 W 85.120
 Manual Hammer

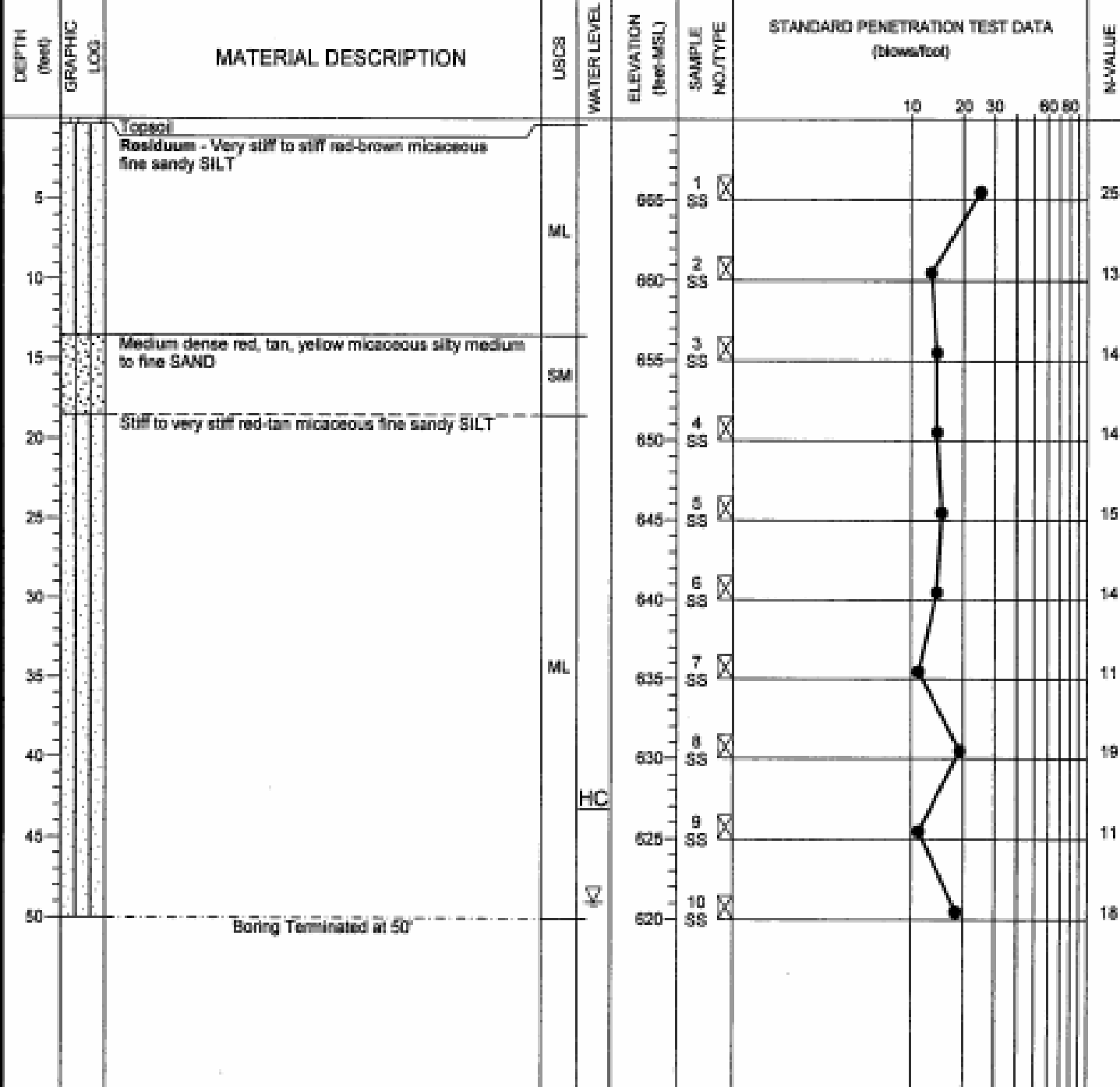
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO.	MO. TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
								10	20	30	60	80	
0		Topsoil											
0 - 30		Loose to medium dense red-brown micaceous silty medium to fine SAND	SM			1	SS						18
5					685	1	SS						
10					680	2	SS						10
15					675	3	SS						14
20					670	4	SS						10
25					665	5	SS						13
30 - 45		Stiff tan micaceous fine sandy SILT	ML		660	6	SS						12
35					655	7	SS						12
40					650	8	SS						12
45 - 50		Medium dense to dense tan micaceous silty medium to fine SAND	HC		645	9	SS						11
50					640	10	SS						15
55					635	11	SS						28
60					630	12	SS						49

Boring Terminated at 67

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-16

DATE DRILLED: 1/5/86	ELEVATION: 670	NOTES: N 32.924 W 85.121 Manual Hammer
DRILLING METHOD: 2 1/2" H.S.A.	BORING DEPTH: 50.0	
LOGGED BY: WT	WATER LEVEL: 49 ft @ TOB	
DRILLER: T. Oakes	DRILL RIG: Mobile B-57	



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-16A(P)

DATE DRILLED: 1/6/86
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 840
 BORING DEPTH: 30.0
 WATER LEVEL: 11.3 ft @ 24 hrs
 DRILL RIG: Mobile B-57

NOTES: Piezometer bottom set at 30 feet bgs
 N 32.924
 W 86.122
 No SPT Samples Taken

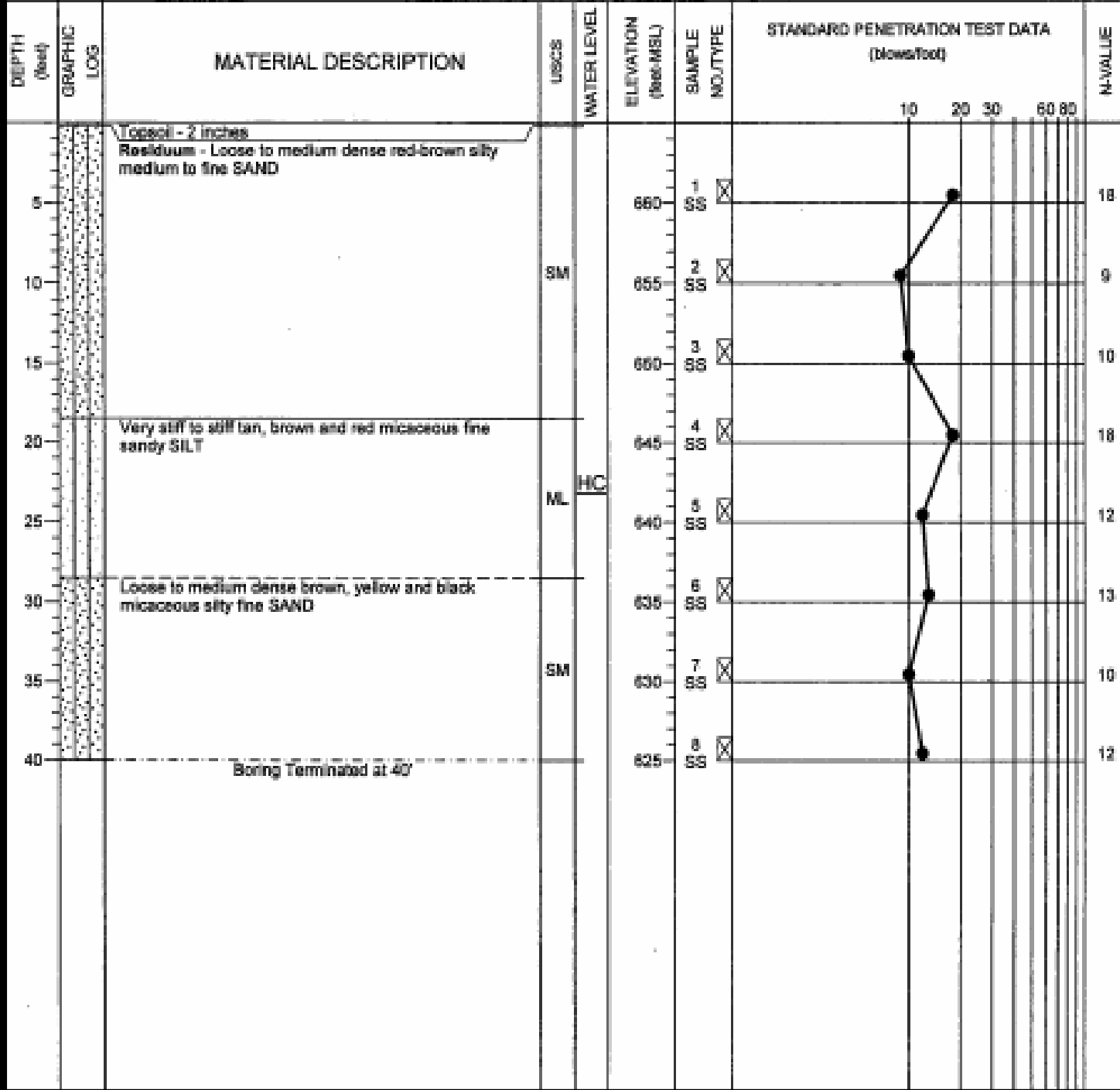
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USGS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					NO. VALUE
							10	20	30	60	80	
		Piezometer bottom set at 30 feet below ground surface										
5					835							
10				▼	830							
15					825							
20					820							
25					815							
30					810							

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-17

DATE DRILLED: 1/5/88 ELEVATION: 865
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 40.0
 LOGGED BY: WT WATER LEVEL: NGWE@TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-57

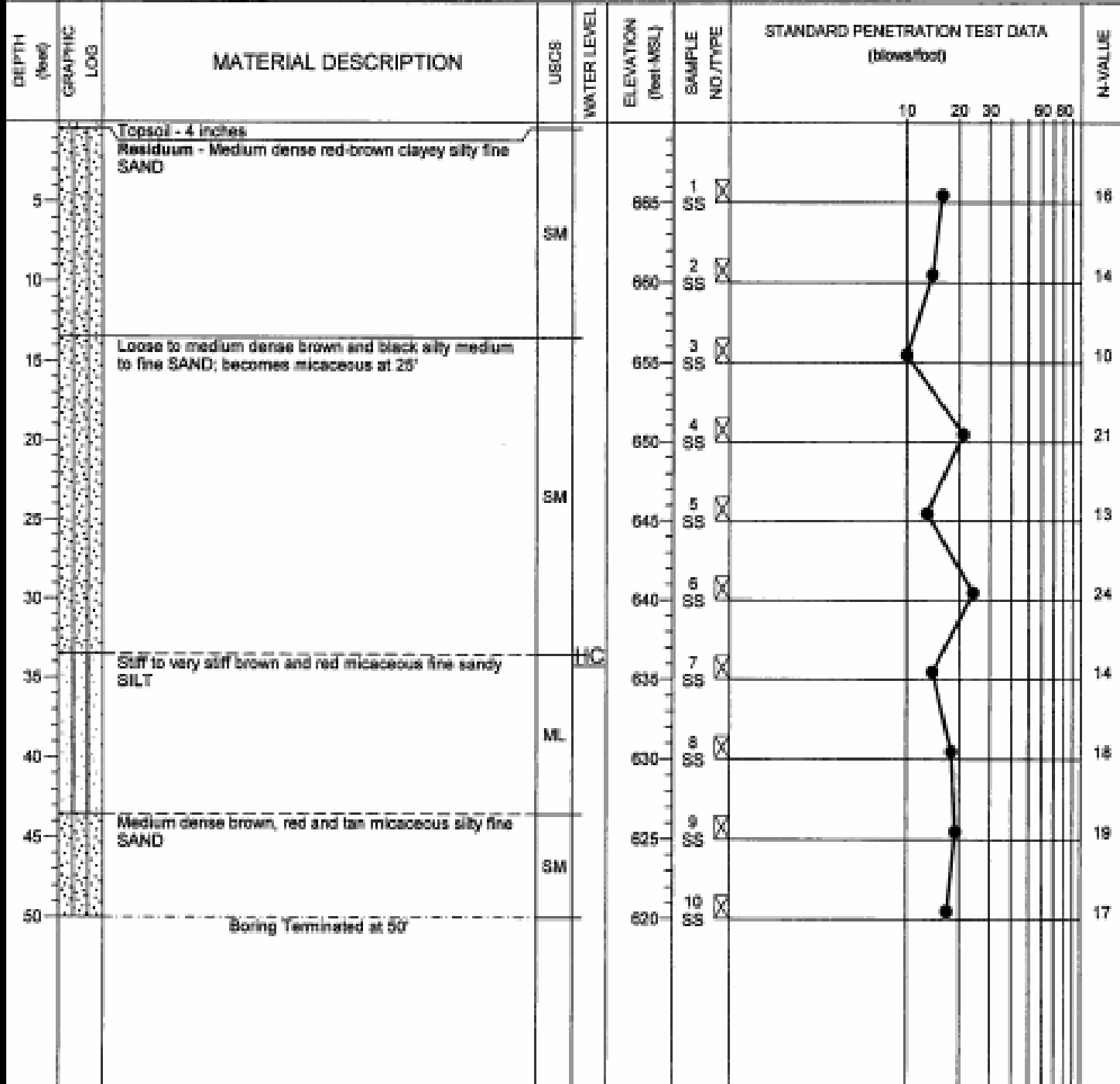
NOTES: N 32.922
 W 85.124
 Manual Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-18

DATE DRILLED: 1/8/86	ELEVATION: 670	NOTES: N 32.923 W 85.128 Manual Hammer
DRILLING METHOD: 3½" H.S.A.	BORING DEPTH: 50.0	
LOGGED BY: WT	WATER LEVEL: NQWE@TOS	
DRILLER: T. Oakes	DRILL RIG: Mobile B-57	



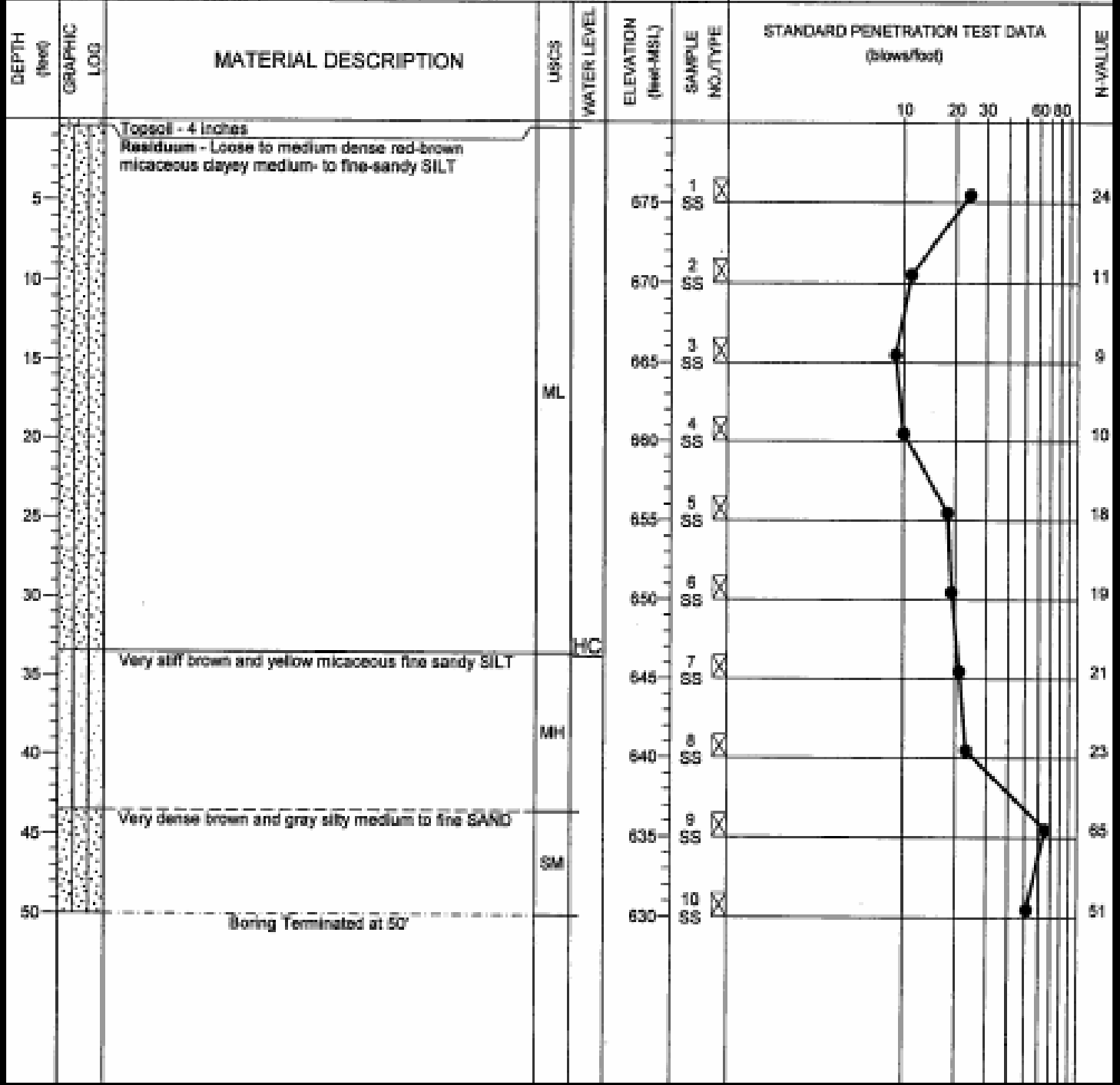
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-19

DATE DRILLED: 1/5/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 680
 BORING DEPTH: 50.0
 WATER LEVEL: NGWE@TCB
 DRILL RIG: Mobile B-57

NOTES: N 32.924
 W 85.127
 Manual Hammer

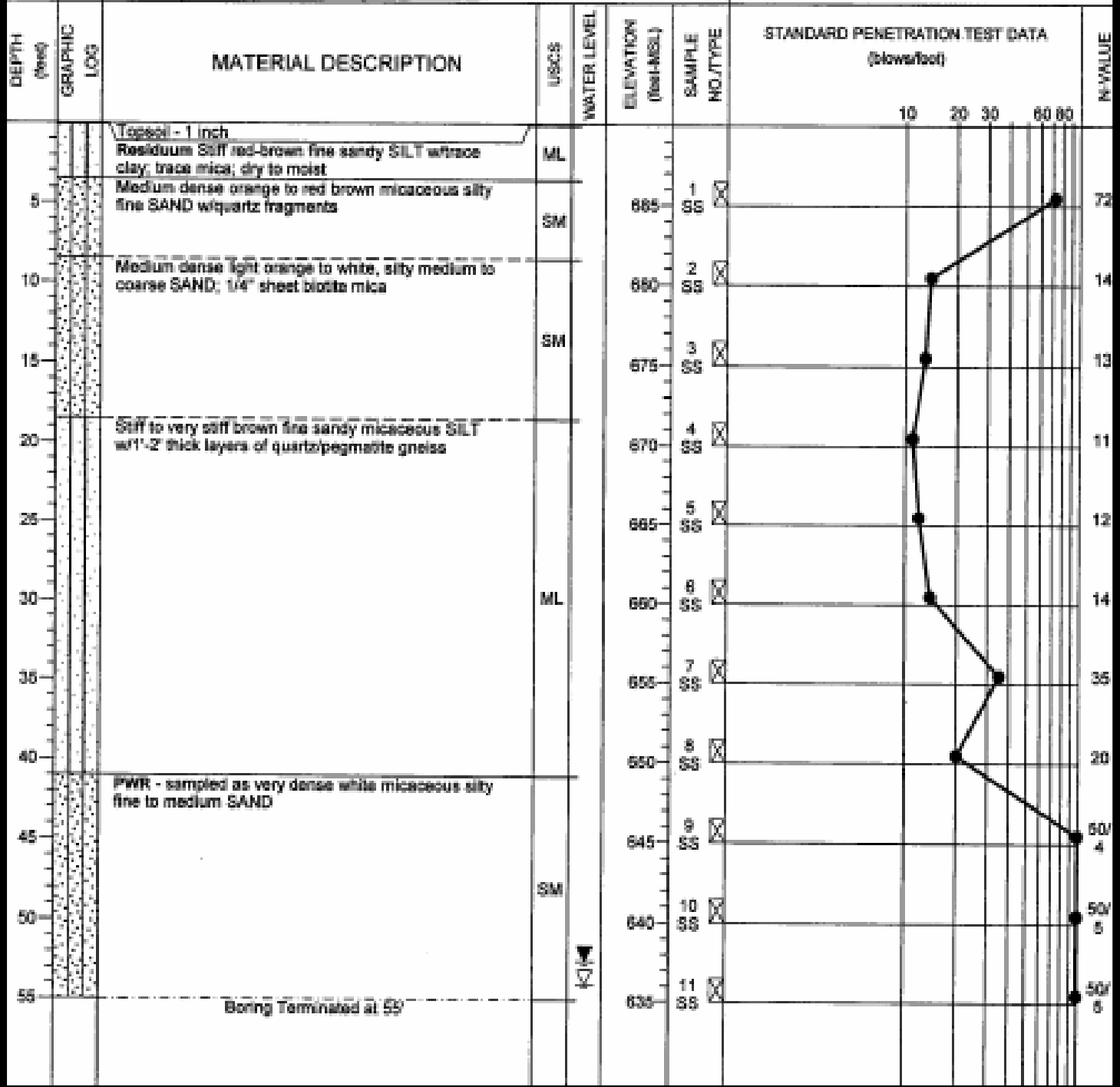


PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1631-05-183

BORING LOG B-20(P)

DATE DRILLED: 1/8/06 ELEVATION: 890
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 55.0
 LOGGED BY: JB WATER LEVEL: 52.5 ft @ 24 hrs
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: Piezometer bottom set at 54.3'
 N 32.917
 W 85.135
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-85-183

BORING LOG B-20B

DATE DRILLED: 1/9/86 ELEVATION: 710
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 80.0
 LOGGED BY: JB WATER LEVEL: NGWE@TOS
 DRILLER: D. Hedges GRILL RIG: CME 550x

NOTES: N 32.915
 W 85.130
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60-80		
0-6	Topsoil - 6 inches	Residual - Medium dense orange brown silty fine SAND w/trace clay; micaceous	SM		705	1 SS						16
6-10		Loose orange, brown silty fine SAND; micaceous	SM		700	2 SS						7
10-15			SM		695	3 SS						8
15-20		Stiff orange, brown fine sandy SILT; some mica	ML		690	4 SS						11
20-25			ML		685	5 SS						10
25-30		Medium dense to loose orange, gray and white silty fine to medium SAND; trace mica	SM		680	6 SS						16
30-35			SM		675	7 SS						17
35-40			SM		670	8 SS						28
40-45			SM		665	9 SS						6
45-50		Stiff brown fine sandy SILT; micaceous	ML		660	10 SS						12
50-55			ML		655	11 SS						9
55-60			ML		650	12 SS						13

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-20B

DATE DRILLED: 1/8/96
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: JB
 DRILLER: D. Hedges

ELEVATION: 710
 BORING DEPTH: 80.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: CME 550x

NOTES: N 32.915
 W 88.130
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
		Stiff brown fine sandy SILT; micaceous (continued)										
65		Medium dense brown and white silty fine to medium SAND; trace mica			645	13 SS						24
70		Very stiff brown and white silty fine to medium SAND; trace mica			640	14 SS						62
75		Medium dense brown and white silty fine to medium SAND; trace mica	SM		635	15 SS						20
80		Boring Terminated at 80'			630	16 SS						15

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-21

DATE DRILLED: 1/7/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: JB
 DRILLER: D. Hedges

ELEVATION: 705
 BORING DEPTH: 75.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: CME 550x

NOTES: N 32.918
 W 88.135
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil - 1 inch										
0 - 8		Residuum - Very stiff red brown micaceous fine sandy SILT w/trace clay	ML		700	1 SS						16
8 - 10		Stiff red, brown to orange micaceous fine sandy SILT	ML		695	2 SS						14
10 - 15		Loose to medium dense red brown micaceous silty fine SAND	SM		690	3 SS						14
15 - 20			SM		685	4 SS						9
20 - 25		Medium dense orange brown silty fine SAND w/some small rock fragments; micaceous	SM		680	5 SS						13
25 - 30			SM		675	6 SS						23
30 - 35		Stiff orange brown micaceous fine sandy SILT	ML		670	7 SS						10
35 - 40		Dense to medium dense brown silty fine SAND; no mica	SM		665	8 SS						33
40 - 45			SM		660	9 SS						16
45 - 50		Medium dense to dense orange, brown and white fine-sandy SILT; trace mica; trace clayey sand; micaceous below @ 48.5'	HC		655	10 SS						18
50 - 55			ML		650	11 SS						16
55 - 60			ML		645	12 SS						41

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-21

DATE DRILLED: 1/7/88 ELEVATION: 705
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 75.0
 LOGGED BY: JB WATER LEVEL: NGWL@TOB
 DRILLER: D. Hedges DRILL RIG: CME 550c

NOTES: N 32.916
 W 85.135
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Medium dense to dense orange, brown and white fine-sandy SILT; trace mica; trace clayey sand; micaceous below @ 48.5' (continued)			640	13 SS DC						18
70		Very dense to dense orange, brown and white silty fine SAND; trace mica; trace clayey sand; micaceous below @ 48.5'	SM		635	14 SS DC						57
75		Boring Terminated at 75'			630	15 SS DC						56

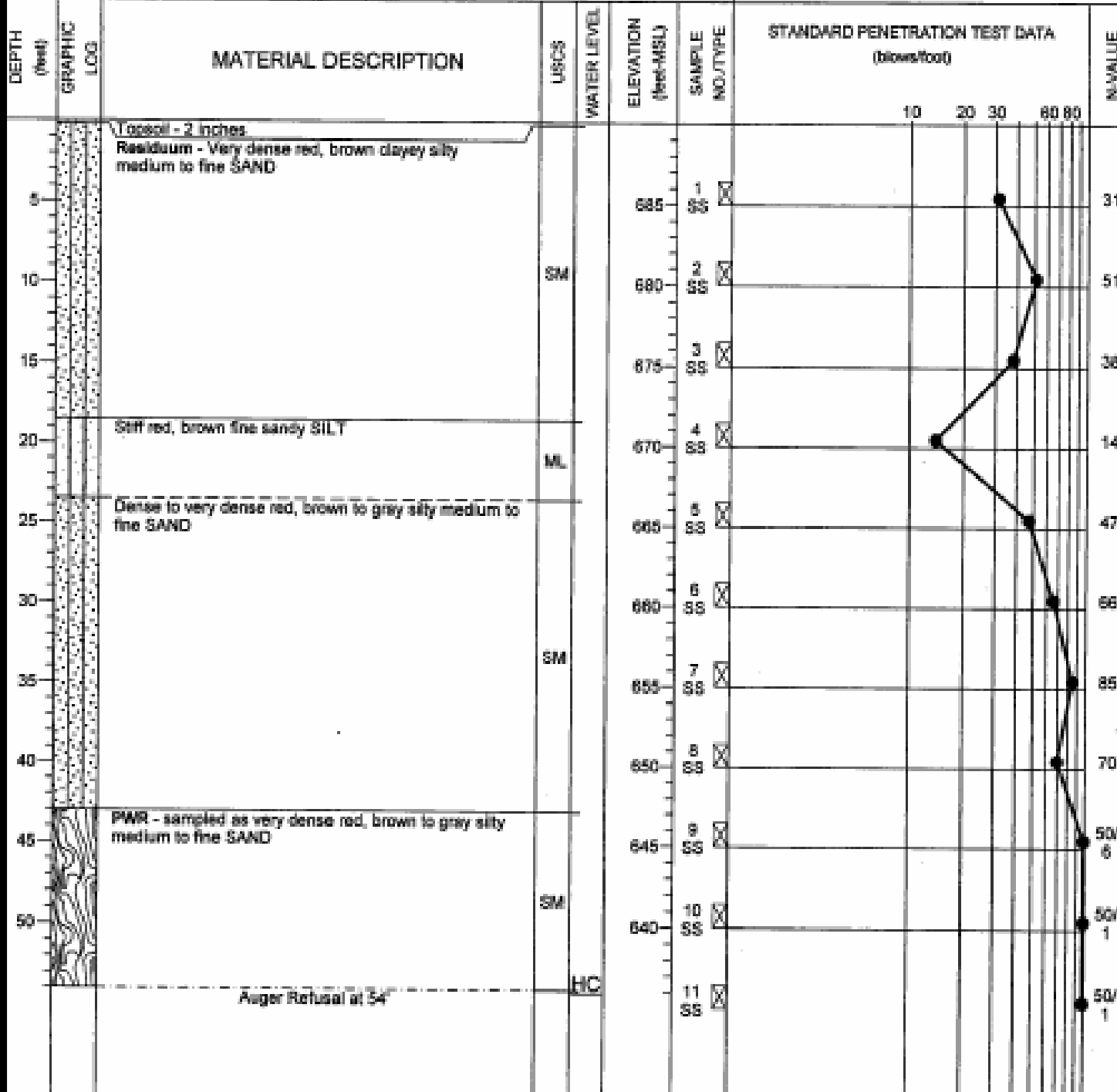
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1631-05-183

BORING LOG B-22

DATE DRILLED: 1/7/86
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 690
 BORING DEPTH: 64.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: Mobile B-67

NOTES: N 32.904
 W 85.131
 Manual Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-23

DATE DRILLED: 1/8/86	ELEVATION: 716	NOTES: N 32.902 W 85.130 Automatic Hammer
DRILLING METHOD: 2 1/2" H.S.A.	BORING DEPTH: 85.0	
LOGGED BY: JB	WATER LEVEL: 69 ft @ TOB	
DRILLER: D. Hedges	DRILL RIG: CME 550c	

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil - 1 inch										
0		Residuum - Very stiff red, brown micaceous silty fine SAND	SM		710	1 SS						18
10		Stiff orange, brown micaceous fine sandy SILT	ML		705	2 SS						14
15			ML		700	3 SS						11
20		Loose white and orange micaceous silty fine to medium SAND	SM		695	4 SS						7
25		Stiff to very stiff orange brown micaceous fine sandy SILT	ML		690	5 SS						11
30			ML		685	6 SS						11
35			ML		680	7 SS						17
40		Medium dense orange and white silty fine to medium SAND; w/some mica	SM		675	8 SS						12
45			SM		670	9 SS						12
50			SM		665	10 SS						14
55			SM		660	11 SS						17
60			SM		655	12 SS						12





PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-133

BORING LOG B-23

DATE DRILLED: 1/9/86
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: JB
 DRILLER: D. Hodges

ELEVATION: 715
 BORING DEPTH: 85.0
 WATER LEVEL: 69 # @ TOB
 DRILL RIG: CME 550x

NOTES: N 32.902
 W 85.130
 Automatic Hammer

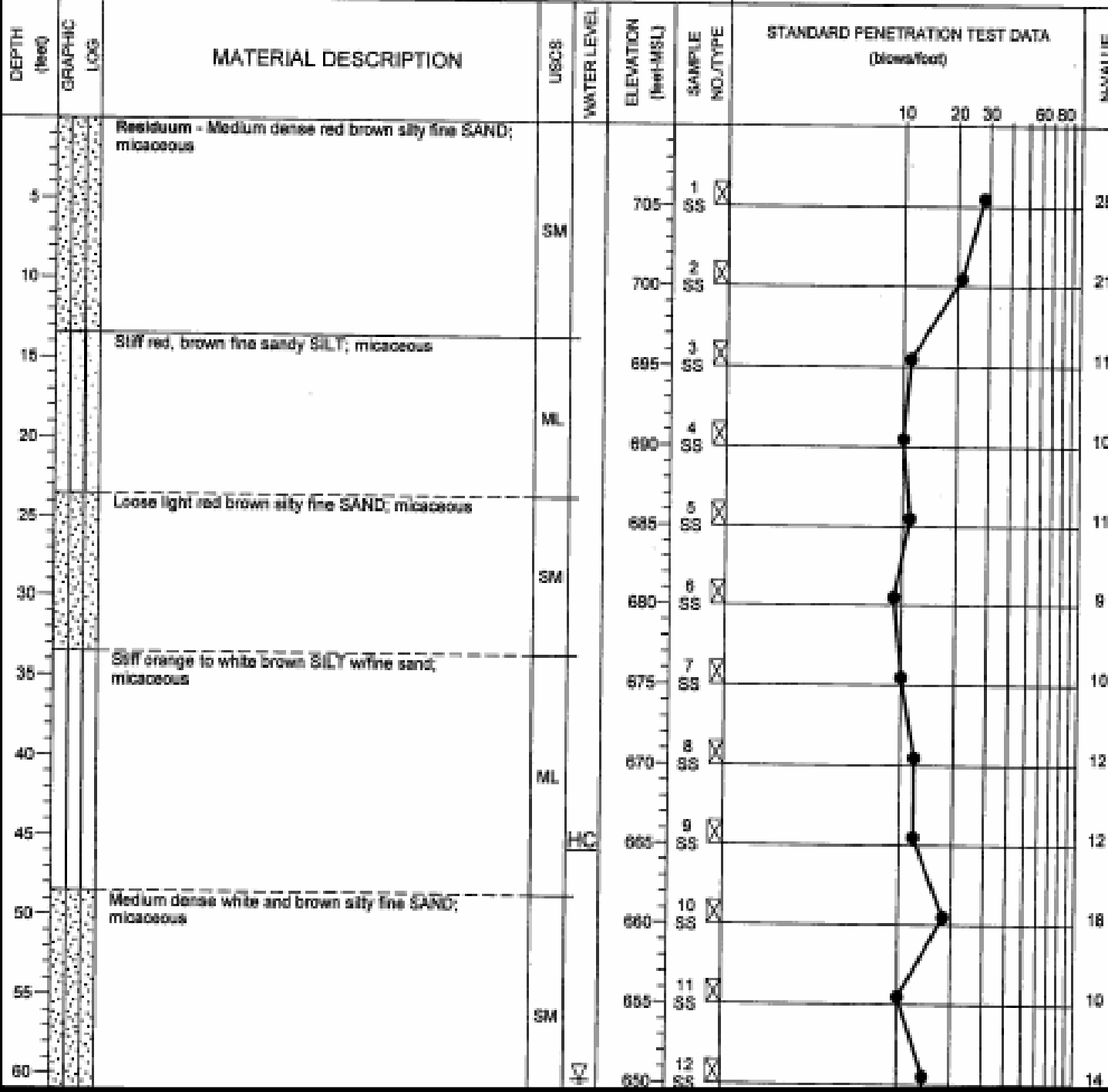
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (Blows/foot)					N-VALUE
							10	20	30	60	80	
68		Medium dense orange and white silty fine to medium SAND; w/some mica (continued)	HC	HC	650	13 SS DC						11
70		Loose orange and white silty fine to medium SAND; w/some mica	SM	HC	645	14 SS DC						7
75		Medium dense to dense orange and white silty fine to medium SAND; w/some mica	SM		640	15 SS DC						15
80		PMR Hornblende gneiss silty fine SAND; green and black	SM		635	16 SS DC						41
85		Boring Terminated at 85'			630	17 SS DC						80 3

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-24

DATE DRILLED: 1/8/08 ELEVATION: 710
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 77.5
 LOGGED BY: JB WATER LEVEL: 65 ft @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.899
 W 85.134
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-24

DATE DRILLED: 1/18/05
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: JIB
 DRILLER: D. Hedges

ELEVATION: 719
 BORING DEPTH: 77.5
 WATER LEVEL: 60 ft @ TOB
 DRILL RIG: CME 550x

NOTES: N 32.899
 W 85.134
 Automatic Hammer

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (ft-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Medium dense white and brown silty fine SAND; micaceous (continued)	ML		645	13 SS						13
70		Stiff orange, brown fine sandy SILT; micaceous				640	14 SS					
75		Medium dense white and black silty fine SAND; micaceous	SM		635	15 SS						15
		Auger Refusal at 77.5'										

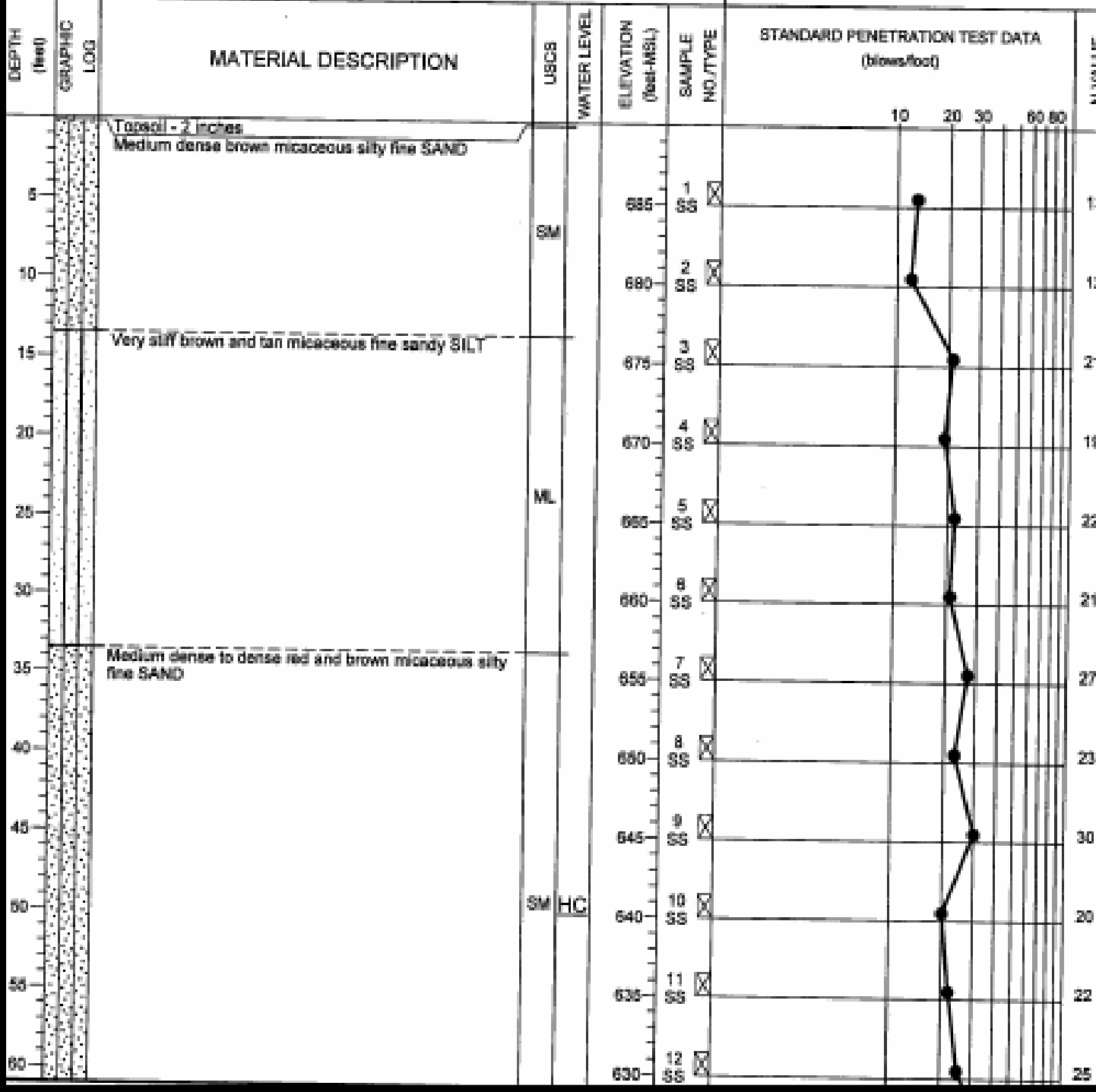
PROJECT: The Project
 PROJECT LOCATION: West Point Silo
 PROJECT NO.: 1691-05-183

BORING LOG B-25

DATE DRILLED: 1/8/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 690
 BORING DEPTH: 65.0
 WATER LEVEL: NGWE @ TOB
 DRILL RIG: Mobile B-67

NOTES: N 32.893
 W 85.140
 Manual Hammer




PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-25

DATE DRILLED: 1/8/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 690
 BORING DEPTH: 65.0
 WATER LEVEL: NGWE @ TOB
 DRILL RIG: Mobile B-57

NOTES: N 32.893
 W 85.140
 Manual Hammer

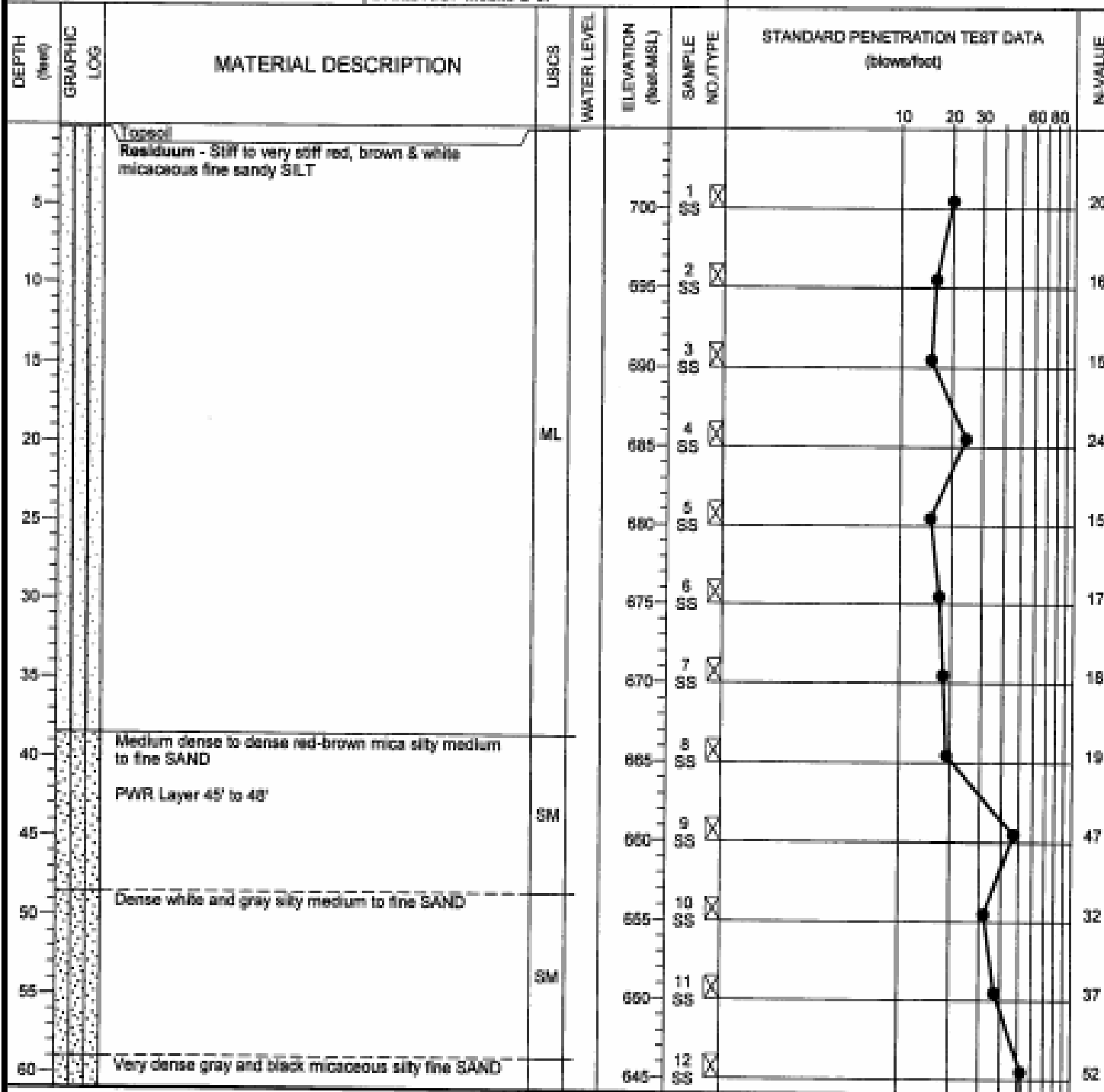
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	90	
65		Medium dense to dense red and brown micaceous silty fine SAND (continued) Boring Terminated at 65'			625	65 S						65

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1001-05-183

BORING LOG B-26(P)

DATE DRILLED: 1/8/88 ELEVATION: 705
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: WT WATER LEVEL: Dry @ 69 ft (24 hrs)
 DRILLER: T. Oakes DRILL RIG: Mobile B-67

NOTES: Piezometer bottom set at 60'
 N 32.904
 W 85.138
 Manual Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-26(P)

DATE DRILLED: 1/8/66
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 705
 BORING DEPTH: 70.0
 WATER LEVEL: Dry @ 69 ft (24 hrs)
 DRILL RIG: Mobile B-57

NOTES: Piezometer bottom set at 68"
 N 32.904
 W 85.138
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Very dense gray and black micaceous silty fine SAND (continued)	SM		640	13 SS						53
70		PWR - sampled as very dense gray and black micaceous silty fine SAND Boring Terminated at 70'			635	14 SS						50

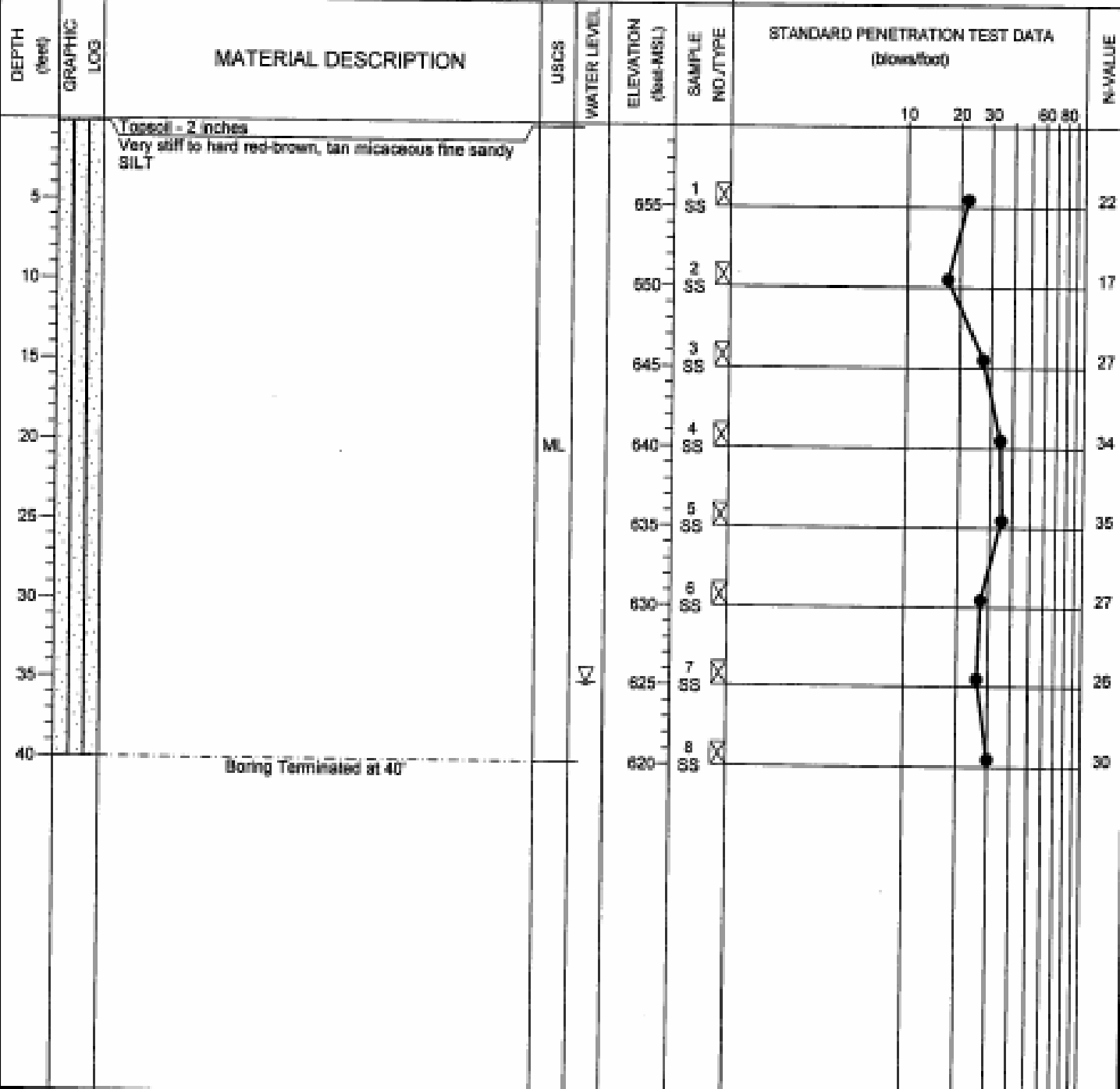
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B-27(P)

DATE DRILLED: 1/7/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 660
 BORING DEPTH: 40.0
 WATER LEVEL: Dry @ 39 ft (24 hrs)
 DRILL RIG: Mobile B-67

NOTES: Piezometer bottom set at 38.5'
 N 32.893
 W 85.147
 Manual Hammer



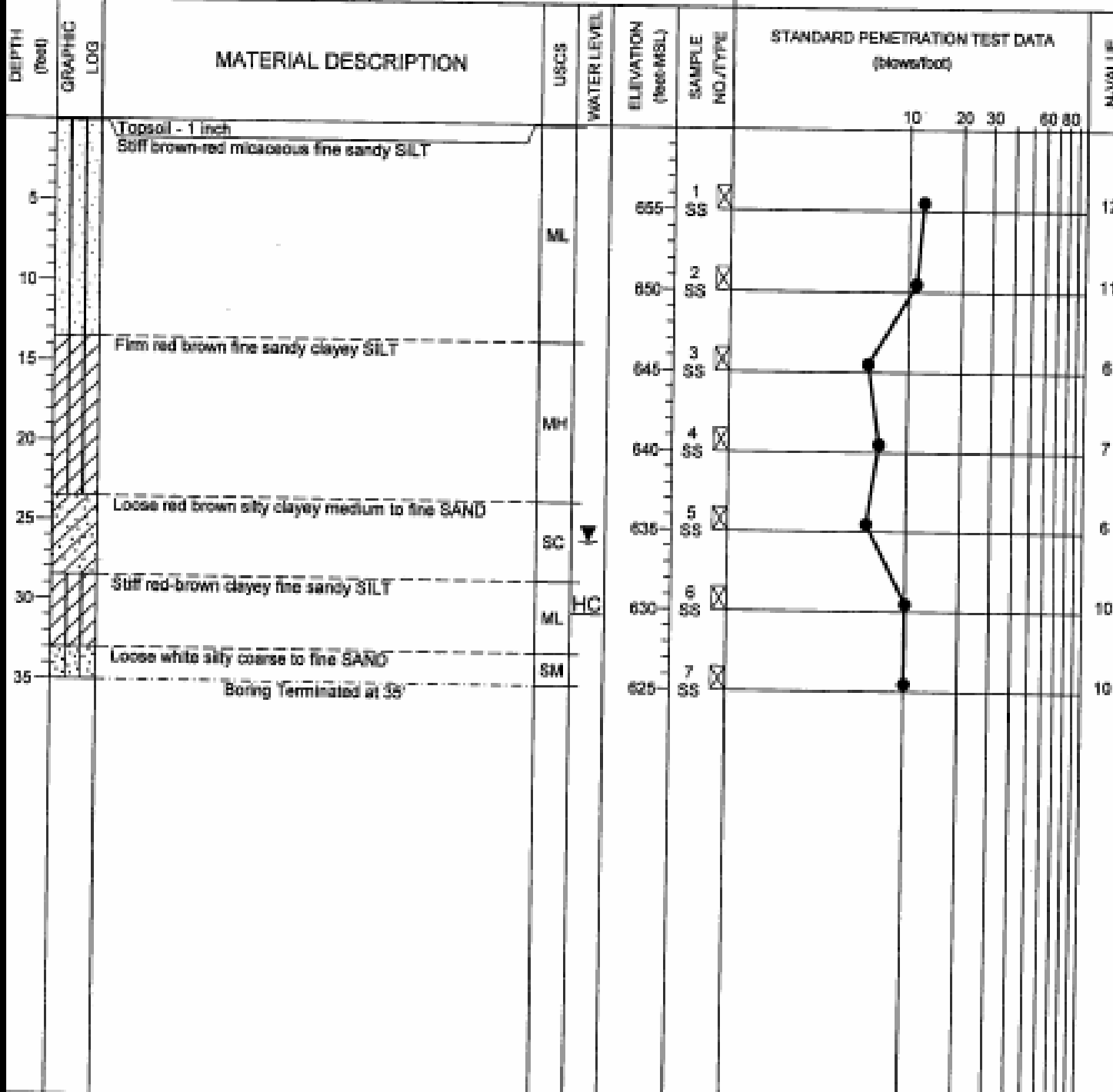
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-103

BORING LOG B-28

DATE DRILLED: 1/8/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 869
 BORING DEPTH: 35.0
 WATER LEVEL: 28.9 ft @ 24 hrs
 DRILL RIG: Mobile B-57

NOTES: N 82.902
 W 85.136
 Manual Hammer



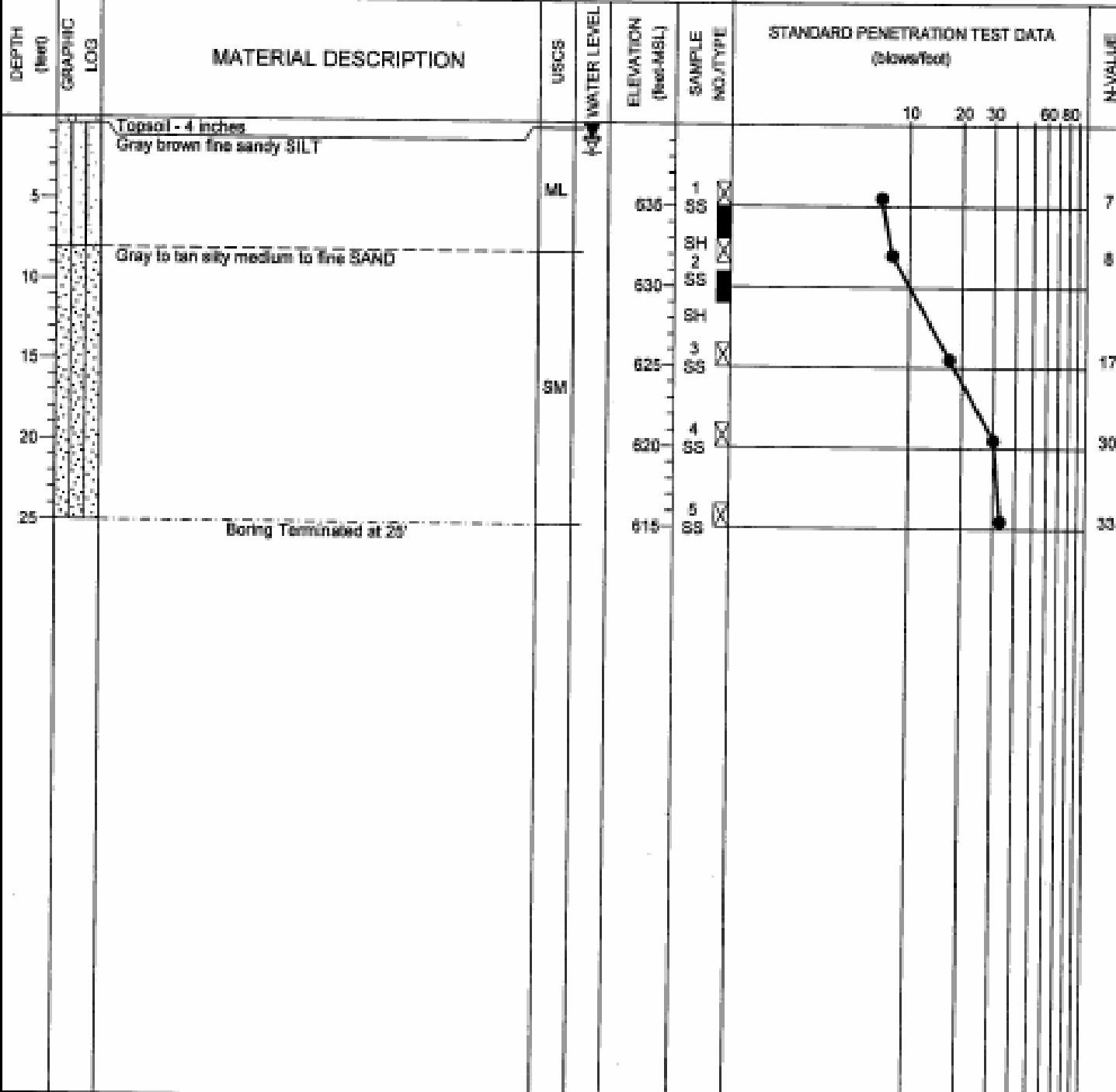
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-29

DATE DRILLED: 1/9/08
 DRILLING METHOD: 2W" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 640
 BORING DEPTH: 25.0
 WATER LEVEL: 1 ft @ 24 hrs
 DRILL RIG: Mobile B-47

NOTES: N 32.914
 W 86.127
 Manual Hammer



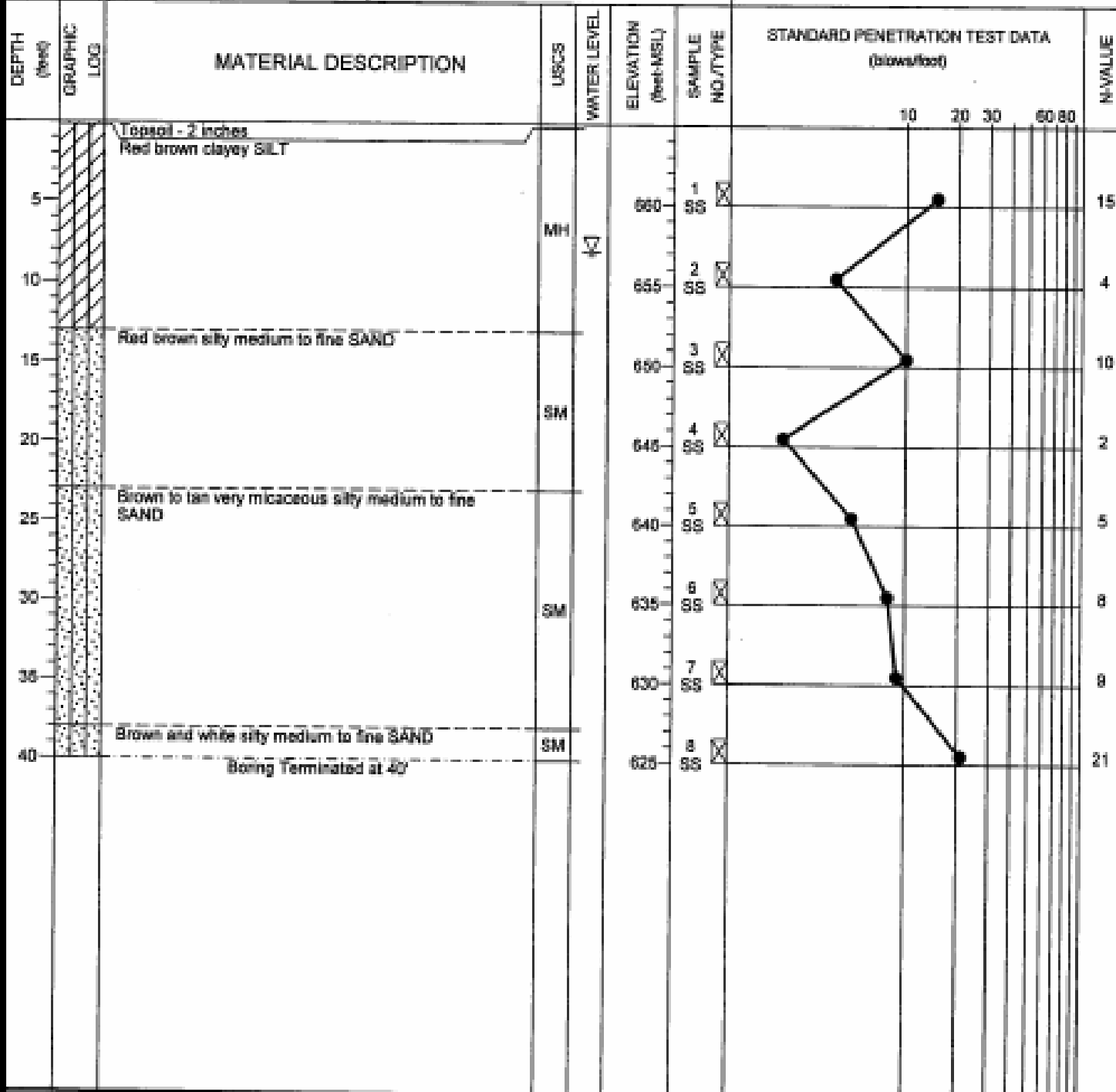
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-30

DATE DRILLED: 1/8/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 665
 BORING DEPTH: 40.0
 WATER LEVEL: 8 ft @ TOB
 DRILL RIG: Mobile B-57

NOTES: N 32.916
 W 88.120
 Manual Hammer



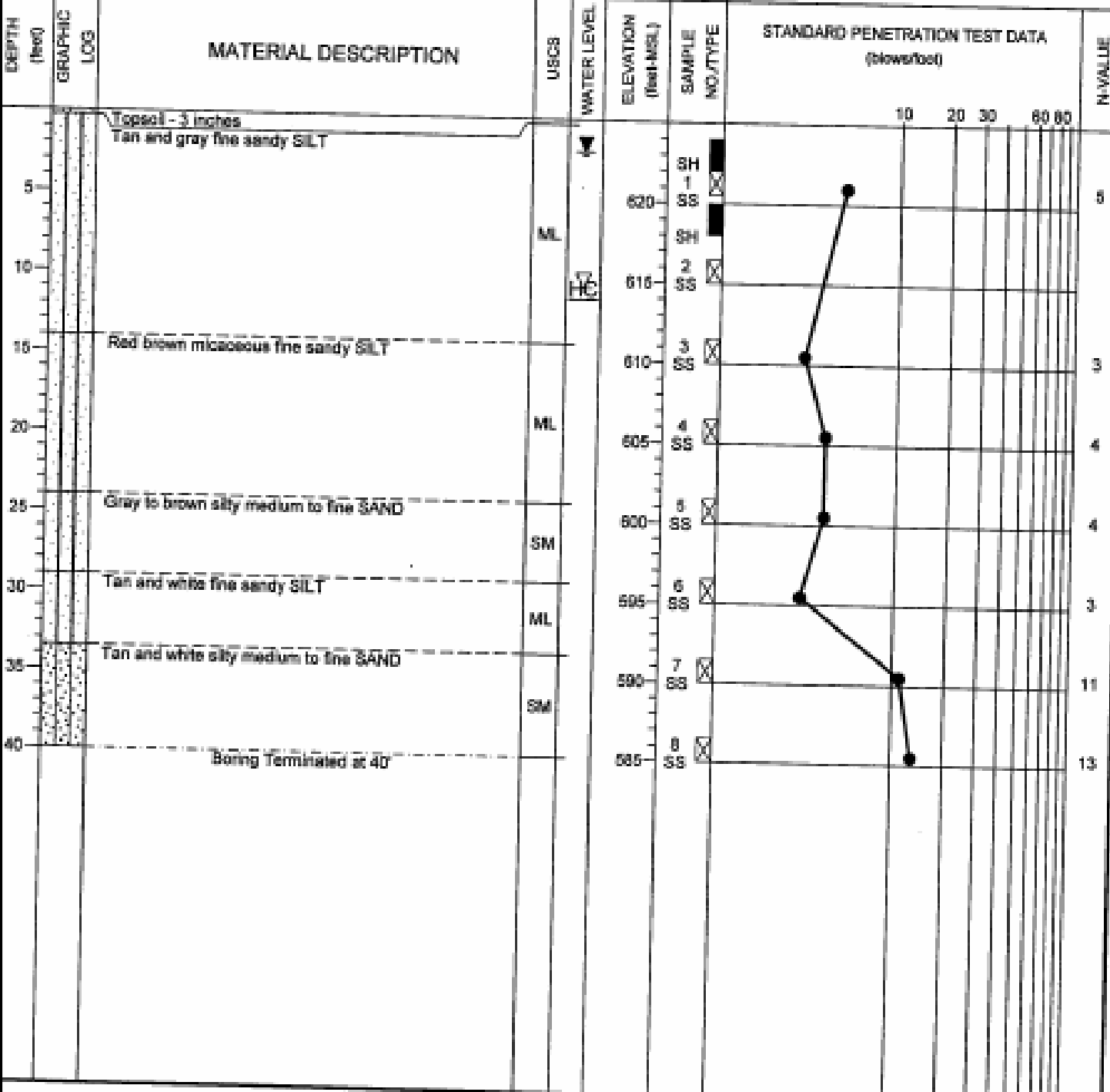
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-31

DATE DRILLED: 1/18/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: D. Hedges

ELEVATION: 625
 BORING DEPTH: 40.0
 WATER LEVEL: 2 ft @ 24 hrs
 DRILL RIG: CME 550x

NOTES: N 32.908
 W 85.127
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

BORING LOG A-5(P)

DATE DRILLED: 4/7/86
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: ZMT
 DRILLER: T. Hedges

ELEVATION: 662
 BORING DEPTH: 55.0
 WATER LEVEL: #'
 DRILL RIG: CME-800X

NOTES: Automatic Hammer
 Piezometer Set @ 23'
 N 32.911
 W 82.122

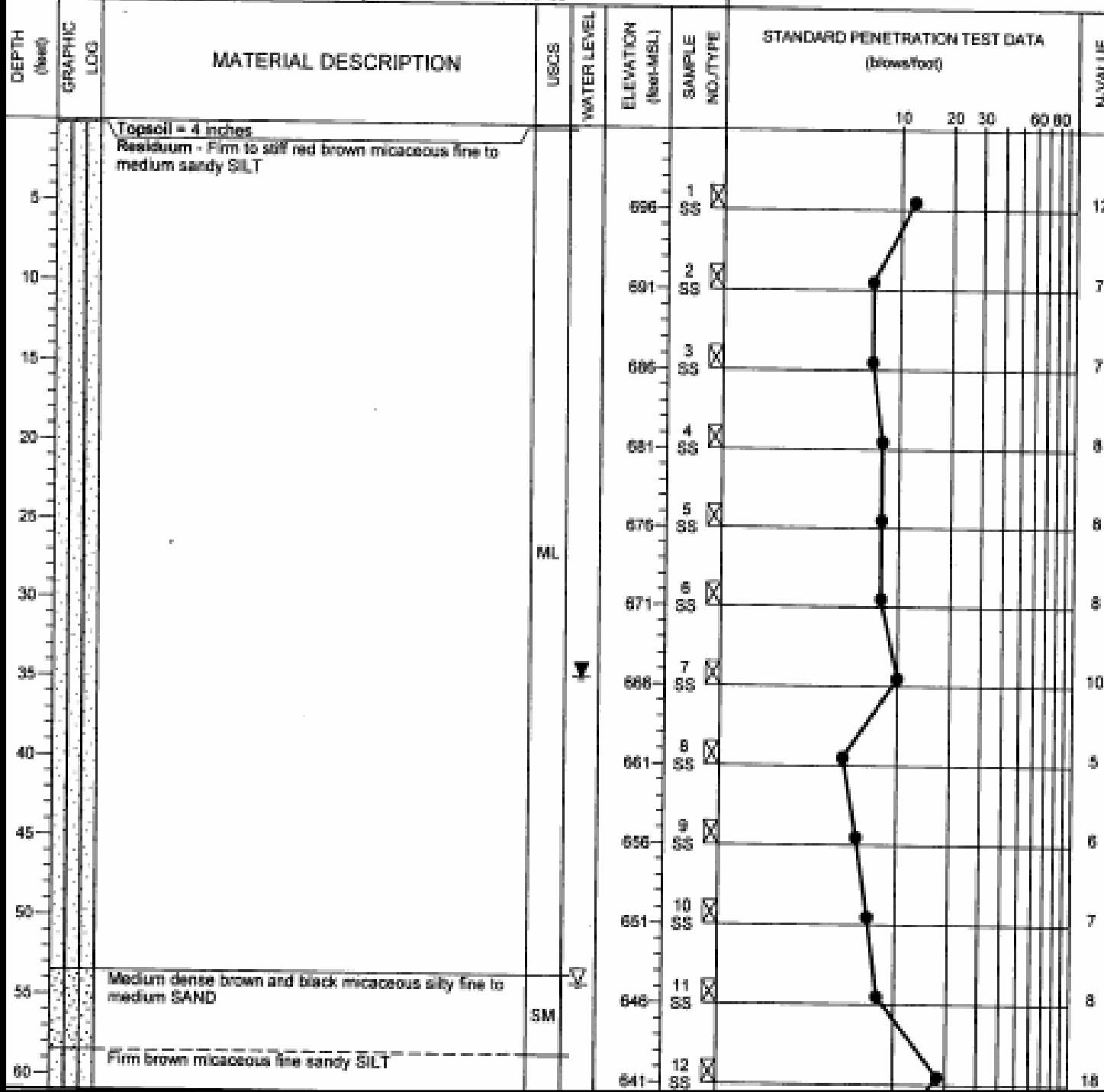
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil = 3 inches Residuum - Medium dense brown, red, and white silty fine to medium SAND	SM		657	1 SS						12
10		Firm brown and orange fine sandy SILT w/trace mica	ML		662	2 SS						8
15		Loose to very loose brown, orange, and red micaceous silty fine to medium SAND	SM		647	3 SS						8
20			SM		642	4 SS						4
25		Firm to stiff brown, gray, and tan very micaceous fine to medium sandy SILT	ML		637	5 SS						7
30			ML		632	6 SS						9
35			ML		627	7 SS						7
40			ML		622	8 SS						10
45			ML		617	9 SS						9
50		Medium dense to dense brown and tan silty fine to medium SAND	SM		612	10 SS						17
55		Boring terminated at 55 feet	SM		607	11 SS						35

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG A-8(P)

DATE DRILLED: 4/4/05 ELEVATION: 701
 DRILLING METHOD: 3X" H.S.A. BORING DEPTH: 80.0
 LOGGED BY: WRT WATER LEVEL: 34.5'
 DRILLER: T. Calkos DRILL RIG: Diedrich D-80

NOTES: Automatic Hammer
 Piezometer Set @ 80'
 N 32.914
 W 82.119



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

BORING LOG A-8(P)

DATE DRILLED: 4/4/06
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 701
 BORING DEPTH: 80.0
 WATER LEVEL: 34.6'
 DRILL RIG: Dietrich D-50

NOTES: Automatic Hammer
 Piezometer Set @ 80'
 N 32.914
 W 82.118

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Firm brown micaceous fine sandy SILT (continued)	ML		636	13 SS						8
70		Very dense gray and white silty fine to medium SAND	SM		631	14 SS						64
75		Medium dense gray and white silty fine to medium SAND	SM		628	15 SS						25
80		Partially Weathered Rock - Sampled as very dense gray and white silty fine to medium SAND			621	16 SS						50
		Boring terminated at 80 feet										

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG A-9.1(P)

DATE DRILLED: 4/4/06 ELEVATION: 678
 DRILLING METHOD: 3W" H.S.A. BORING DEPTH: 60.0
 LOGGED BY: WRT WATER LEVEL: 11.4"
 DRILLER: T. Oakes DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 Piezometer Set to 60"
 N 32.915
 W 85.118

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil - 3 inches										
0		Residuum - Stiff to firm red brown micaceous fine sandy SILT	ML		673	1 SS						9
10			ML		668	2 SS						6
15		Very loose red and black very micaceous fine to medium sandy SILT	ML		663	3 SS						3
20		Loose to medium dense brown and tan micaceous silty fine to medium SAND	SM		658	4 SS						5
25			SM		653	5 SS						5
30					648	6 SS						8
35		Medium dense tan and gray micaceous fine to medium sandy SILT	ML		643	7 SS						18
40			ML		638	8 SS						31
45					633	9 SS						16
50		Partially Weathered Rock - Sampled as very hard brown micaceous fine sandy SILT			628	10 SS						50/4"
55					623	11 SS						50/5"
60		Boring terminated at 60 feet			618	12 SS						50/0

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1401-05-103C

BORING LOG A.2-6(P)

DATE DRILLED: 4/8/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Hedges

ELEVATION: 677
 BORING DEPTH: 60.0
 WATER LEVEL: 13.2
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 Piezometer Set @ 40'

N 32.912
 W 85.121

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (ft-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0-3		Topsoil - 3 inches										
3-8		Residuum - Very stiff red brown and black clayey SILT w/traces of fine sand	MH		672	1 SS						18
8-13		Loose red, tan, and white silty fine to medium SAND	SM		667	2 SS						9
13-18		Loose gray-tan and black very micaceous silty fine to medium SAND	SM	13.2	662	3 SS						8
18-23			SM		657	4 SS						6
23-28			SM		652	5 SS						8
28-33			SM		647	6 SS						6
33-38			SM		642	7 SS						8
38-43			SM		637	8 SS						8
43-48			SM		632	9 SS						13
48-53			SM		627	10 SS						16
53-58			SM		622	11 SS						16
58-60		Dense black, white, and gray very micaceous silty fine to medium SAND	SM		617	12 SS						33
Boring terminated at 60 feet												

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG A.2-7.2

DATE DRILLED: 1/4/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 715
 BORING DEPTH: 70.0
 WATER LEVEL: #1.5 ft @ TOB
 DRILL RIG: Mobile B-67

NOTES: N 32.914
 W 85.120
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0-2		Cultivated soil -2 ft										
2-5		Residuum- Medium dense red brown micaceous clayey fine- to medium-SAND	SC		710	1 SS						14
5-10		Loose to medium dense gray, white & black micaceous silty fine- to medium-SAND	SM		705	2 SS						8
10-15		Loose to medium dense gray, white & black micaceous silty fine- to medium-SAND	SM		700	3 SS						11
15-20		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT			695	4 SS						11
20-25		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT			690	5 SS						14
25-30		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT Very micaceous lense @ 40 ft			685	6 SS						13
30-35		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT			680	7 SS						10
35-40		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT	ML		675	8 SS						18
40-45		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT			670	9 SS						18
45-50		Stiff to very stiff red, yellow & brown micaceous fine-sandy SILT			665	10 SS						21
50-55		Medium dense gray, white, brown & black micaceous silty fine- to medium-SAND			660	11 SS						18
55-60		Hard Drilling from 67 ft to 68 ft	SM		655	12 SS						24

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-65-163

BORING LOG A.2-7.2

DATE DRILLED: 1/4/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 71.5
 BORING DEPTH: 70.0
 WATER LEVEL: 61.5 ft @ TOB
 DRILL RIG: Mobile B-67

NOTES: N 32.914
 W 85.120
 Manual Hammer

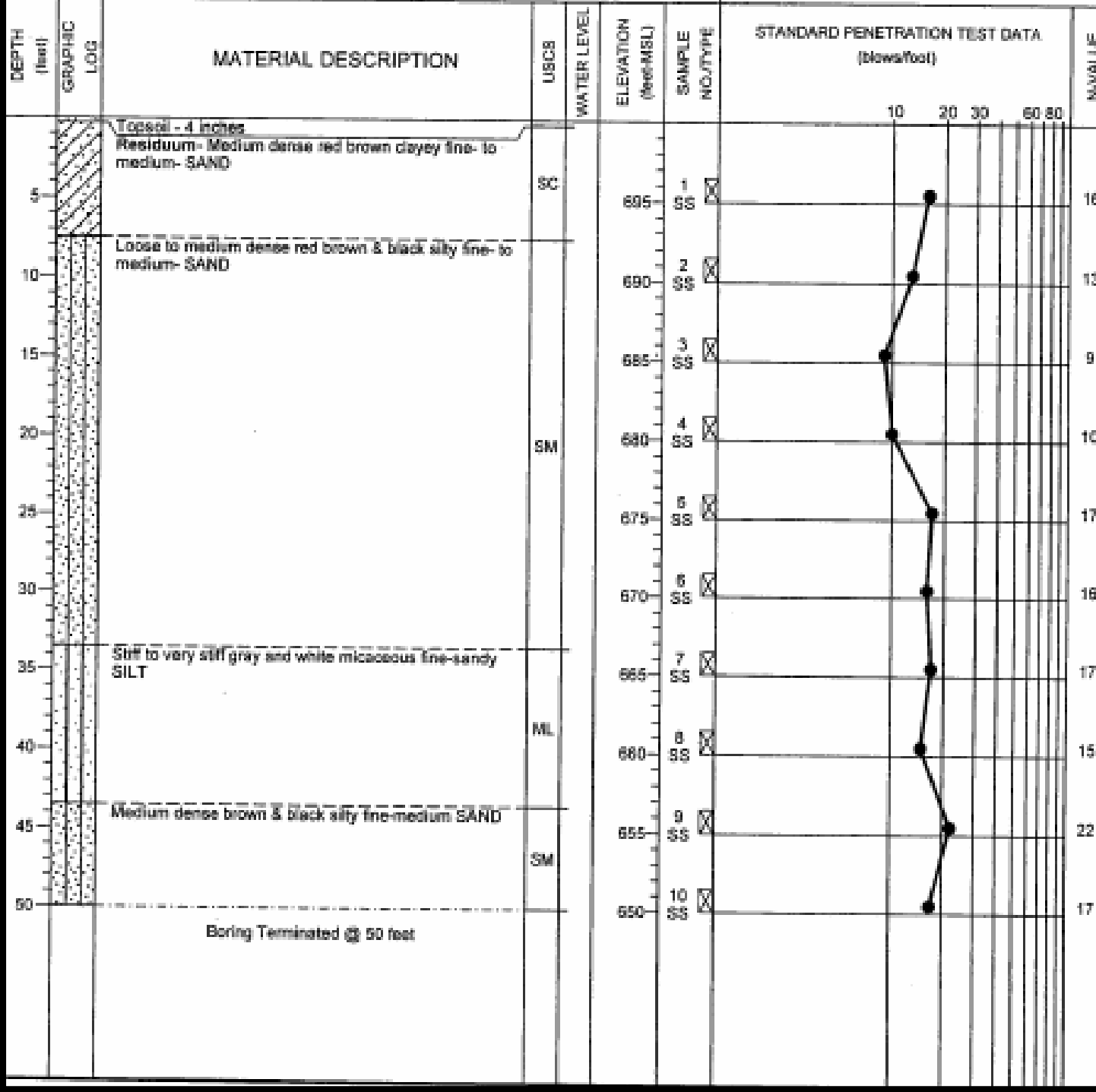
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Medium dense gray, white, brown & black micaceous silty fine- to medium-SAND Hard Drilling from 67 ft to 68 ft (continued)			650	13 SS 13						27
70		Boring Terminated @ 70 ft			645	14 SS 14						25

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO: 1881-05-103

BORING LOG A.4-10.4

DATE DRILLED: 14/06 ELEVATION: 700
 DRILLING METHOD: 2W" H.S.A. BORING DEPTH: 50.0
 LOGGED BY: WT WATER LEVEL: NGWE@TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-67

NOTES: N 32.917
 W 85.118
 Manual Hammer



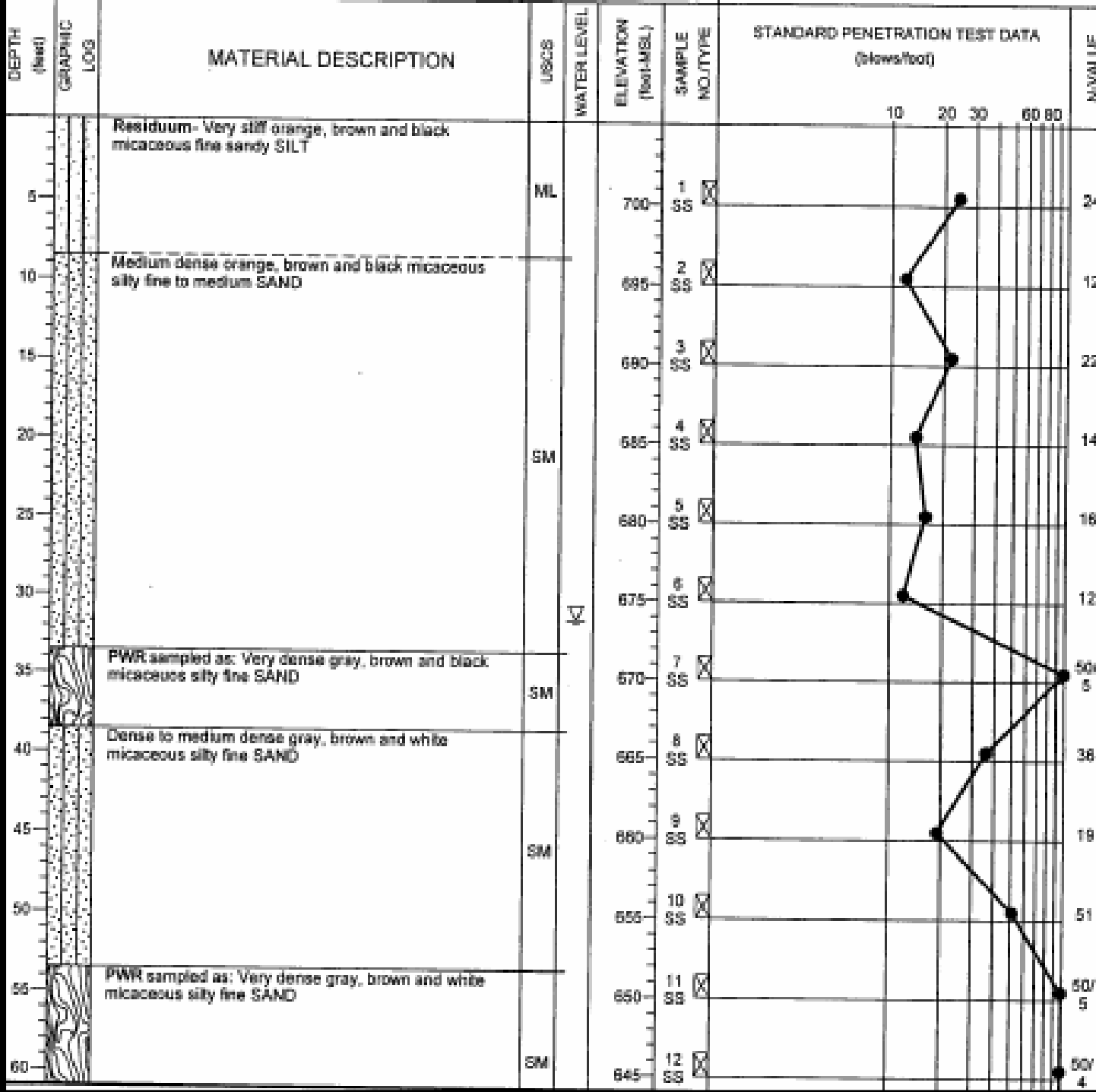
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG A.6-8.3

DATE DRILLED: 1/6/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 705
 BORING DEPTH: 65.0
 WATER LEVEL: 31.4 ft @ TOB
 DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.120
 Automatic Hammer




PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG A.6-8.3

DATE DRILLED: 1/8/88 ELEVATION: 705
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 65.0
 LOGGED BY: TR WATER LEVEL: 31.4 ft @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.130
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (Blows/foot)					N-VALUE
							10	20	30	40	50	
65		PWR sampled as: Very dense gray, brown and white micaceous silty fine SAND (continued) Boring Terminated at 65'			640	13 SS						50

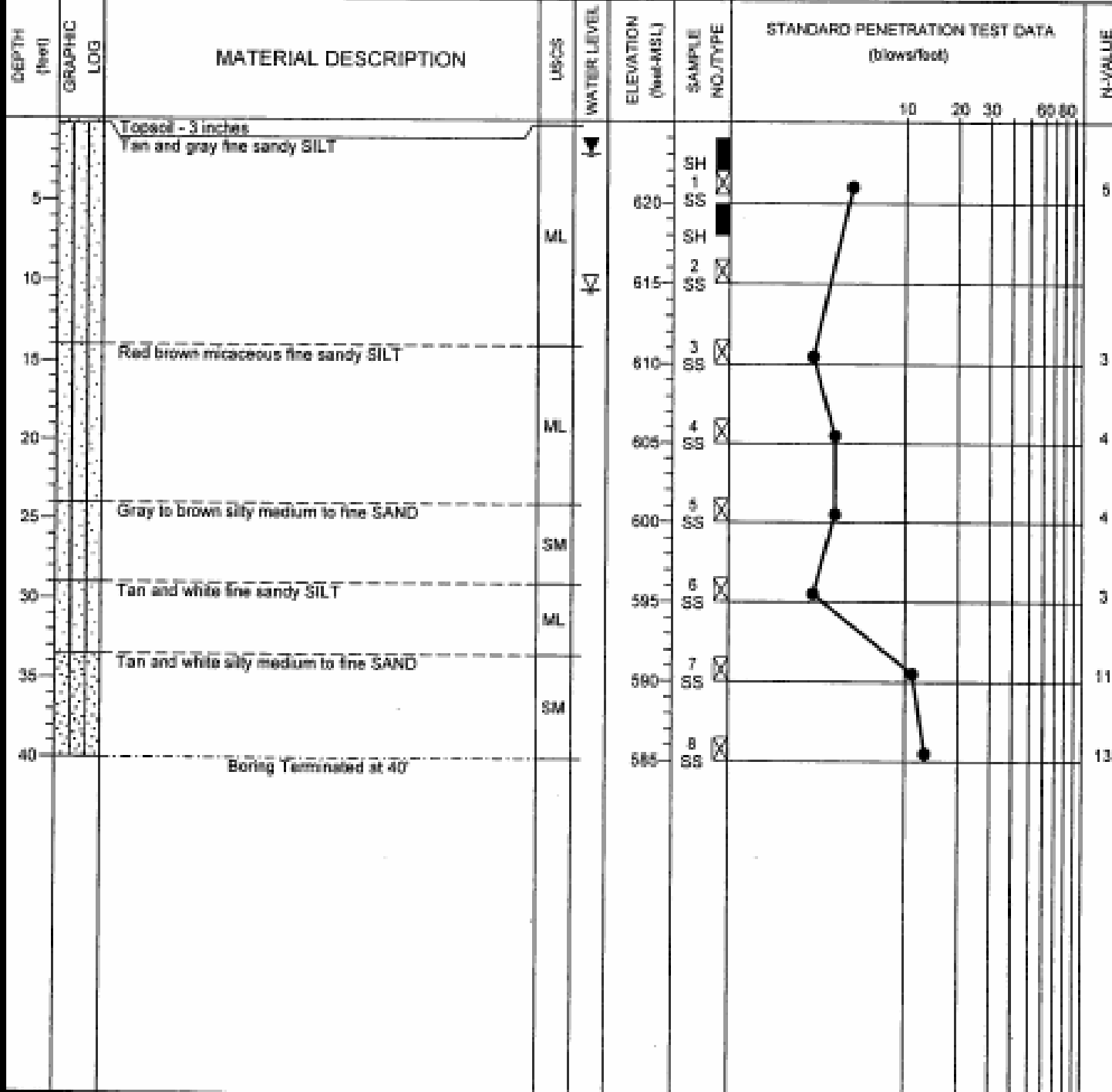
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B-1.4

DATE DRILLED: 1/10/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: D. Hedges

ELEVATION: 625
 BORING DEPTH: 40.0
 WATER LEVEL: 2 ft @ 24 hrs
 DRILL RIG: CME 550x

NOTES: N 32.908
 W 85.127
 Automatic Hammer

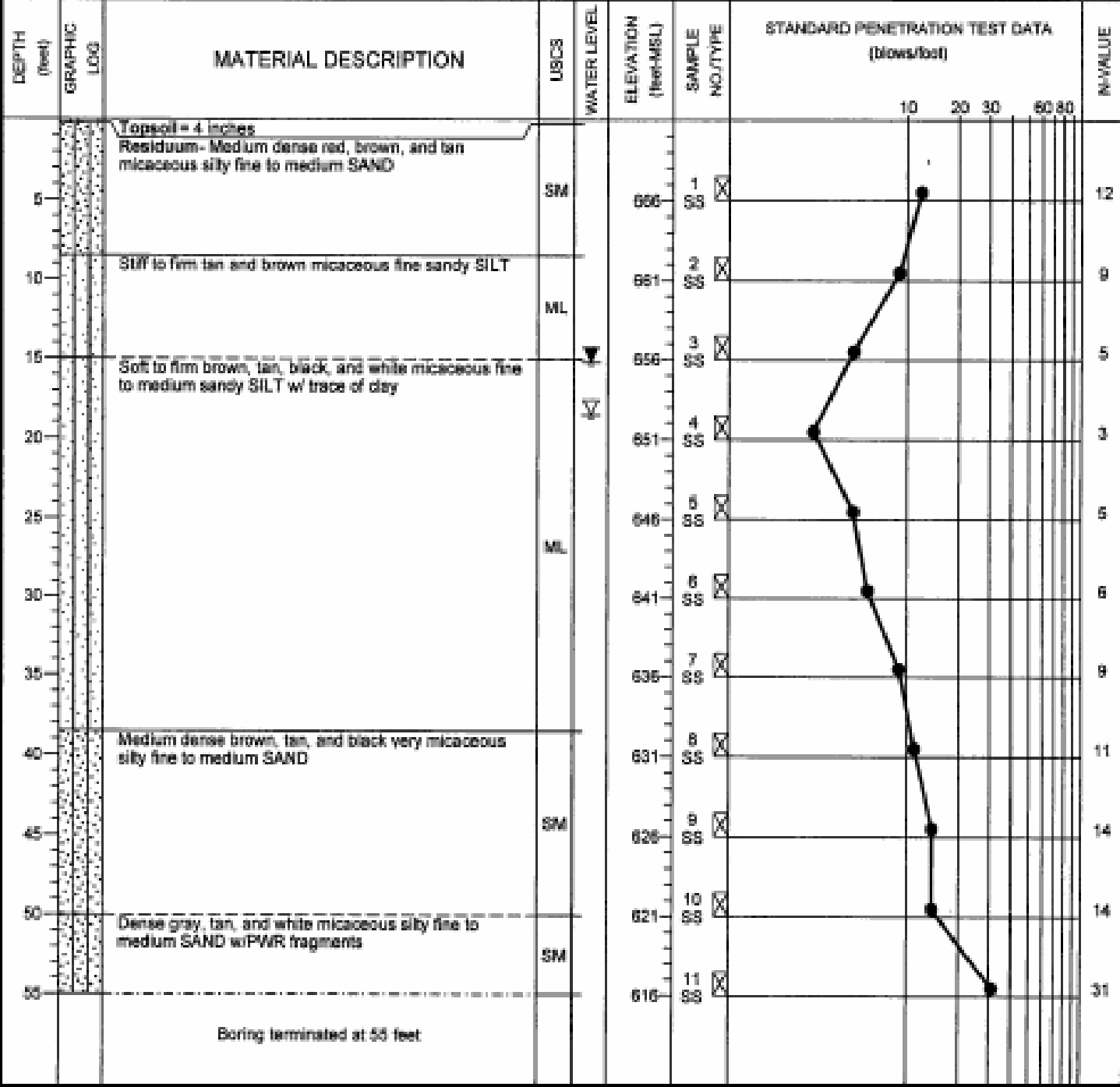


PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG B- 5

DATE DRILLED: 4/8/06 ELEVATION: 671
 DRILLING METHOD: 3W" H.S.A. BORING DEPTH: 55.0
 LOGGED BY: WRT WATER LEVEL: 15.2'
 DRILLER: T. Cakes DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.912
 W 85.124



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG B- 7.8

DATE DRILLED: 4/5/06 ELEVATION: 718
 DRILLING METHOD: 3W" H.S.A. BORING DEPTH: 98.0
 LOGGED BY: WRT WATER LEVEL: 57"
 DRILLER: T. Oakes DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer

N 32.915
 W 85.121

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil = 1 inch Residuum - Stiff to firm red and brown micaceous fine sandy SILT			713	1 SS						9
10			ML		708	2 SS						7
15					703	3 SS						7
20		Loose to dense red, white, and brown silty fine to medium SAND			698	4 SS						6
25			SM		693	5 SS						32
30		Very stiff brown and black micaceous fine to medium sandy SILT			688	6 SS						21
35		Dense brown and white micaceous silty fine to medium SAND			683	7 SS						35
40		Dense white silty fine to medium SAND w/PWR fragments			678	8 SS						34
45		Very stiff brown fine to medium sandy SILT			673	9 SS						28
50			ML		668	10 SS						27
55		Partially Weathered Rock - Sampled as very dense gray silty fine to medium SAND			663	11 SS						50/2'
60		Dense brown silty fine to medium SAND			658	12 SS						33

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG B- 7.8

DATE DRILLED: 4/5/06 ELEVATION: 718
 DRILLING METHOD: 3W" H.S.A. BORING DEPTH: 90.0
 LOGGED BY: WRT WATER LEVEL: 67'
 DRILLER: T. Cakes DRILL RIG: Diedrich D-68

NOTES: Automatic Hammer
 N 32.915
 W 85.121

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE	
							10	20	30	60	80		
65		Dense brown silty fine to medium SAND (continued)	SM	67'	653	13 SS						37	
70					648	14 SS							32
75					643	15 SS							31
80					638	16 SS							50'
85					633	17 SS							50'
90		Boring terminated at 90 feet			628	18 SS					50'		

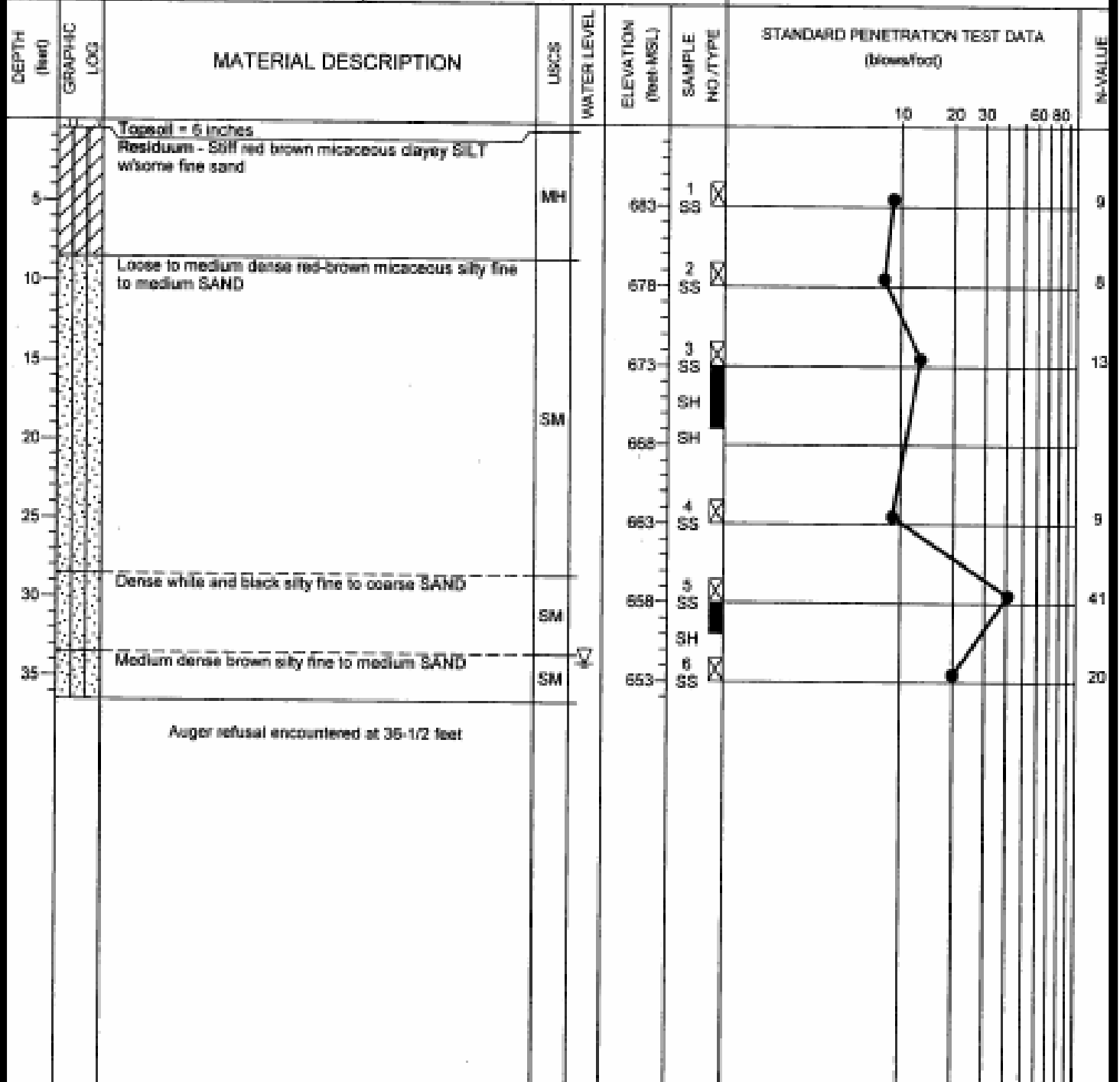
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG B-10

DATE DRILLED: 4/4/06
 DRILLING METHOD: 3W" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 688
 BORING DEPTH: 36.5
 WATER LEVEL: GW 34' @ TOB
 DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.917
 W 85.119

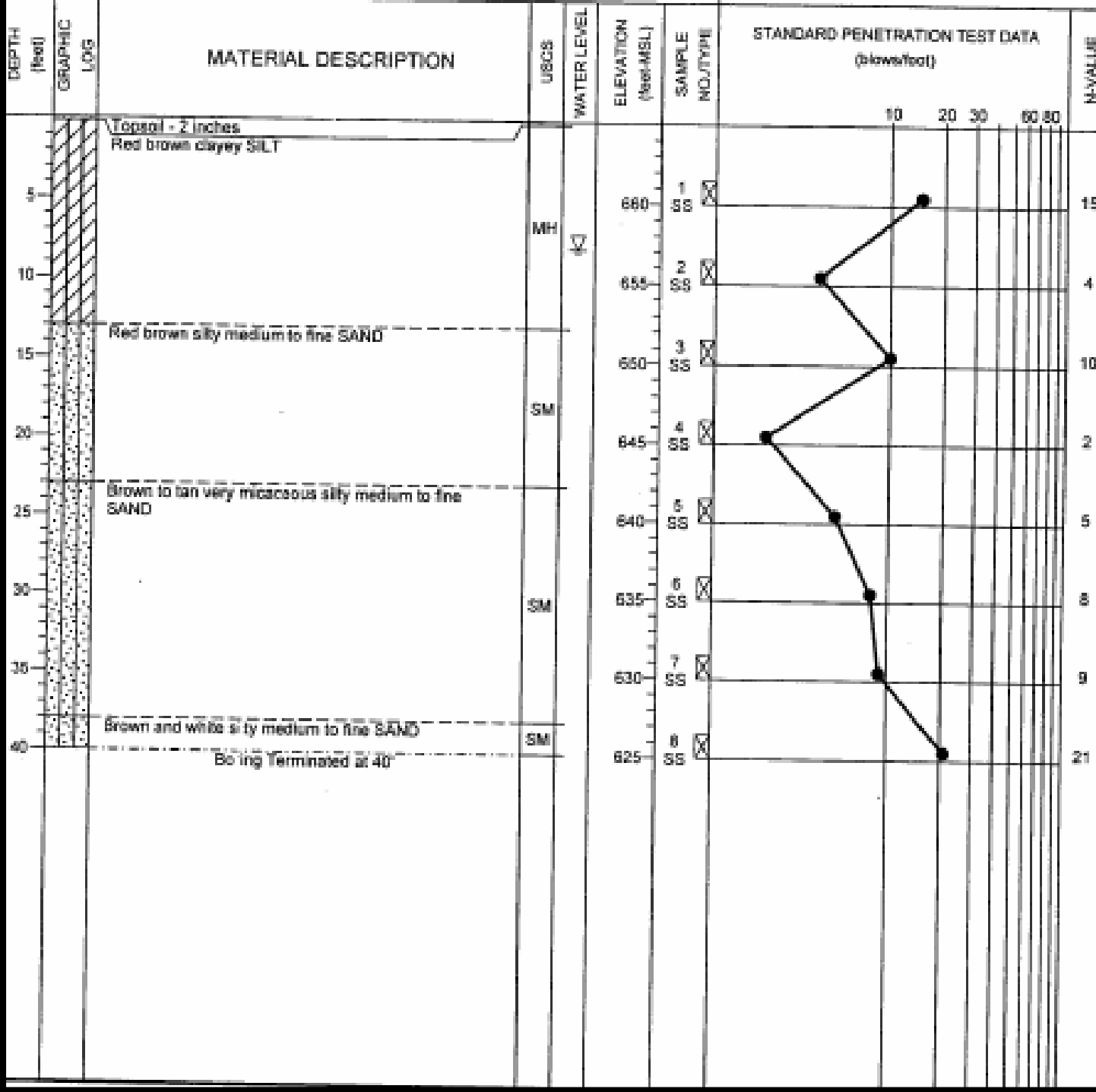


PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B.1-8.9

DATE DRILLED: 1/8/08 ELEVATION: 685
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 40.0
 LOGGED BY: WT WATER LEVEL: 8 ft @ TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-57

NOTES: N 32.916
 W 85.120
 Manual Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B.2-5.8(P)

DATE DRILLED: 1/9/86
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 675
 BORING DEPTH: 55.0
 WATER LEVEL: 13.3 ft @ 24 hrs
 DRILL RIG: CME 550x

NOTES: Piezometer bottom at 45'
 N 32.913
 W 85-123
 Automatic Hammer

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (ft-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	90	
0		Residuum- Very stiff red, brown micaceous fine sandy SILT with some clay	ML		670	1 SS						10
5												
10		Firm red brown micaceous fine sandy SILT	ML		665	2 SS						8
15		Soft to firm orange, brown mica fine sandy SILT	ML	13.3	660	3 SS						4
20			ML		655	4 SS						4
25					650	5 SS						6
30		Firm to soft red, brown and black micaceous silty fine SAND	SM		645	6 SS						7
35					640	7 SS						7
40					635	8 SS						9
45					630	9 SS						9
50					625	10 SS						9
55		Boring Terminated at 55'			620	11 SS						9

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

BORING LOG B.3-3

DATE DRILLED: 4/7/05 ELEVATION: 632
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: ZMT WATER LEVEL: 17.5
 DRILLER: T. Hedges DRILL RIG: GMS-550X

NOTES: Automatic Hammer
 N 32.910
 W 85.126

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0-2	Vertical lines	Topsoil - 2 inches										
2-8	Vertical lines	Residuum - Soft brown-tan clayey SILT w/trace sand	MH		627	1 SS						4
8-10	Vertical lines	Soft red-brown fine sandy SILT			622	2 SS						5
10-15	Vertical lines				617	3 SS						3
15-20	Vertical lines		ML		612	4 SS						3
20-25	Vertical lines				607	5 SS						3
25-30	Vertical lines	Soft brown and orange fine sandy SILT w/trace mica			602	6 SS						3
30-35	Vertical lines		ML		597	7 SS						6
35-40	Vertical lines	Firm white, brown, and red fine sandy SILT w/trace mica			592	8 SS						6
40-45	Vertical lines				587	9 SS						6
45-50	Vertical lines		ML		582	10 SS						7
50-55	Vertical lines				577	11 SS						9
55-60	Vertical lines	Loose to medium dense brown, tan, and white micaceous silty fine to medium SAND			572	12 SS						11

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG B.3-3

DATE DRILLED: 4/7/08
 DRILLING METHOD: 2W" H.S.A.
 LOGGED BY: ZMT
 DRILLER: T. Hedges

ELEVATION: 632
 BORING DEPTH: 70.0
 WATER LEVEL: 17.5'
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 N 32.910
 W 85.126

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)	DEPTH (feet)
65	[Vertical scale markings]	Loose to medium dense brown, tan, and white micaceous silty fine to medium SAND (continued)	SM		567	13 SS <input checked="" type="checkbox"/>	20	23
70	[Vertical scale markings]				562	14 SS <input checked="" type="checkbox"/>	20	24
		Boring terminated at 70 feet						

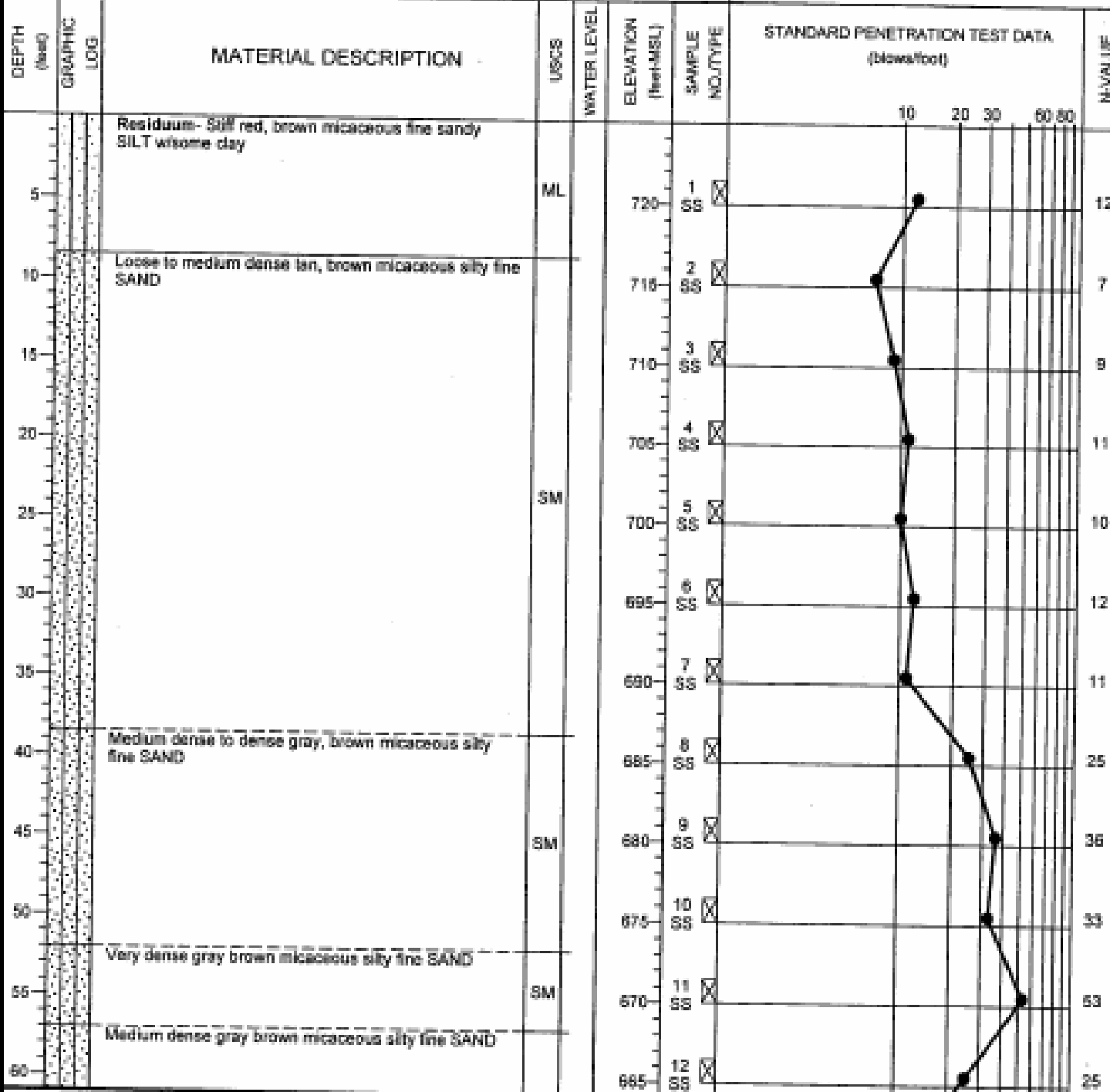
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG B.6-7.2

DATE DRILLED: 1/6/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 725
 BORING DEPTH: 70.0
 WATER LEVEL: NGWE @ TOB
 DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.122
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG B.6-7.2

DATE DRILLED: 1/6/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 725
 BORING DEPTH: 70.0
 WATER LEVEL: NGWE @ TOB
 DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.122
 Automatic Hammer

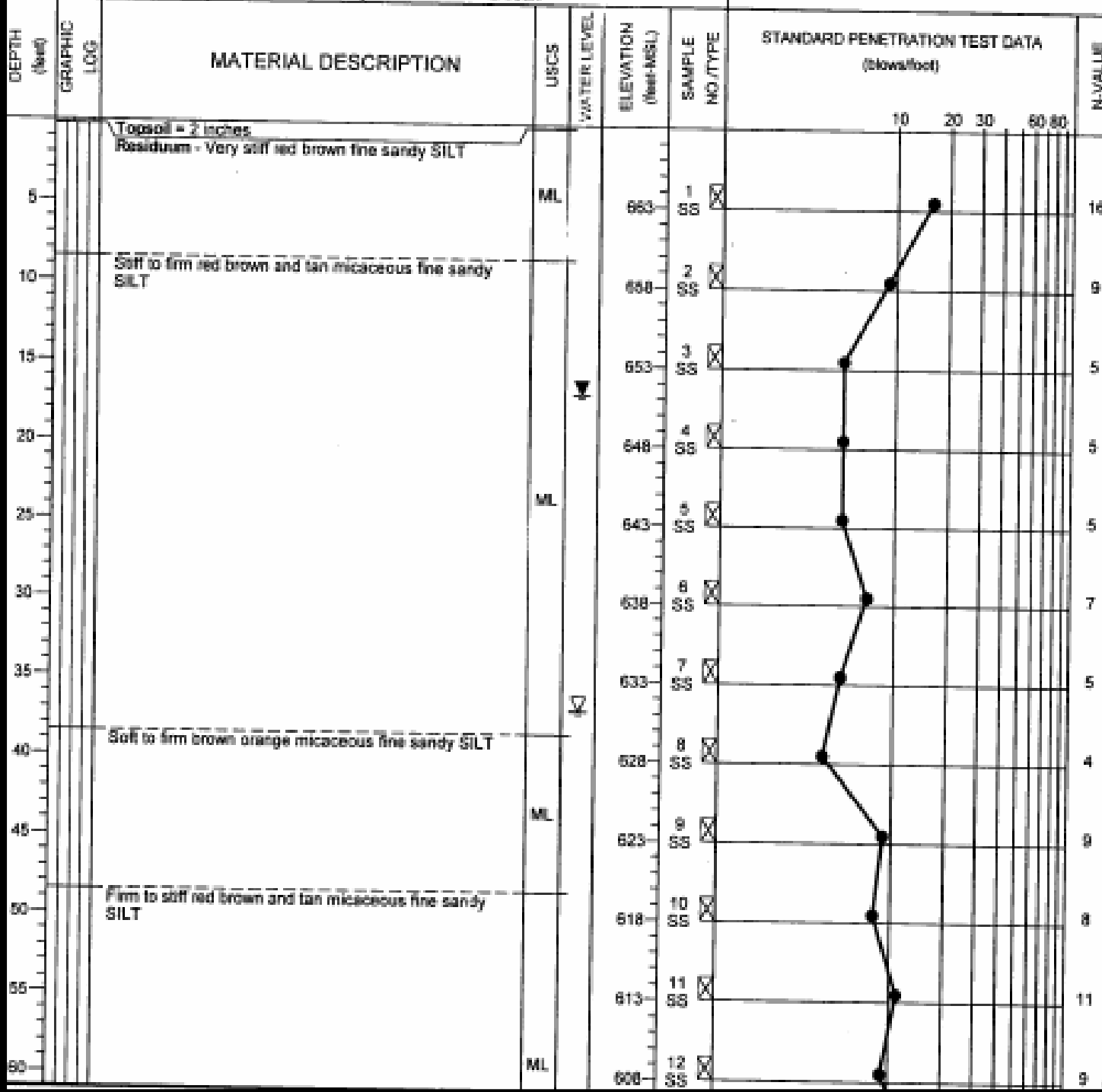
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (Blows/foot)					N-VALUE
							10	20	30	60	80	
65		Medium dense gray brown micaceous silty fine SAND (continued)	SM		660	13 SS <input checked="" type="checkbox"/>						11
70		PWR - sampled as Very dense gray brown micaceous silty fine to medium SAND Boring Terminated at 70'	SM		655	14 SS <input checked="" type="checkbox"/>						50

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1581-05-1B3C

BORING LOG C-4(P)

DATE DRILLED: 4/4/06 ELEVATION: 668
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: WRT WATER LEVEL: 18.7'
 DRILLER: D. Hedges DRILL RIG: CME-650X

NOTES: Automatic Hammer
 Piezometer Set @ 37'
 N 32.911
 W 85.128



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

BORING LOG C-4(P)

DATE DRILLED: 4/4/06
 DRILLING METHOD: 2 1/4" H.S.A.
 LOGGED BY: WRT
 DRILLER: D. Hedges

ELEVATION: 668
 BORING DEPTH: 70.0
 WATER LEVEL: 16.8'
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 Piezometer Set @ 37'
 N 32.911
 W 85.128

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)	SCALE
65		Firm to stiff red brown and tan micaceous fine sandy SILT (continued)			603	219 S-19	10	1
70		Boring terminated at 70 feet			588	204 S-18	30	30

STANDARD PENETRATION TEST DATA
(blows/foot)



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG C-4.3

DATE DRILLED: 1AUG88
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 670
 BORING DEPTH: 30.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: Mobile B-57

NOTES: N 32.912
 W 85.125
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0 - 6		Topsoil - 6 inches Cultivated soil - very stiff red, brown micaceous medium to fine sandy CLAY	CL									
6 - 10		Residuum - Very stiff to stiff red, brown micaceous medium to fine sandy CLAY	CL		665	1 SS <input checked="" type="checkbox"/>						17
10 - 15		Loose brown and black medium to fine sandy SILT w/trace mica	ML		660	2 SS <input checked="" type="checkbox"/>						10
15 - 20		Firm to stiff brown and black very micaceous medium to fine sandy SILT	ML		655	3 SS <input checked="" type="checkbox"/>						8
20 - 25		Firm to stiff brown and black very micaceous medium to fine sandy SILT	ML		650	4 SS <input checked="" type="checkbox"/>						6
25 - 30		Firm to stiff brown and black very micaceous medium to fine sandy SILT	ML		645	5 SS <input checked="" type="checkbox"/>						5
30 - 30		Boring Terminated at 30'			640	6 SS <input checked="" type="checkbox"/>						15

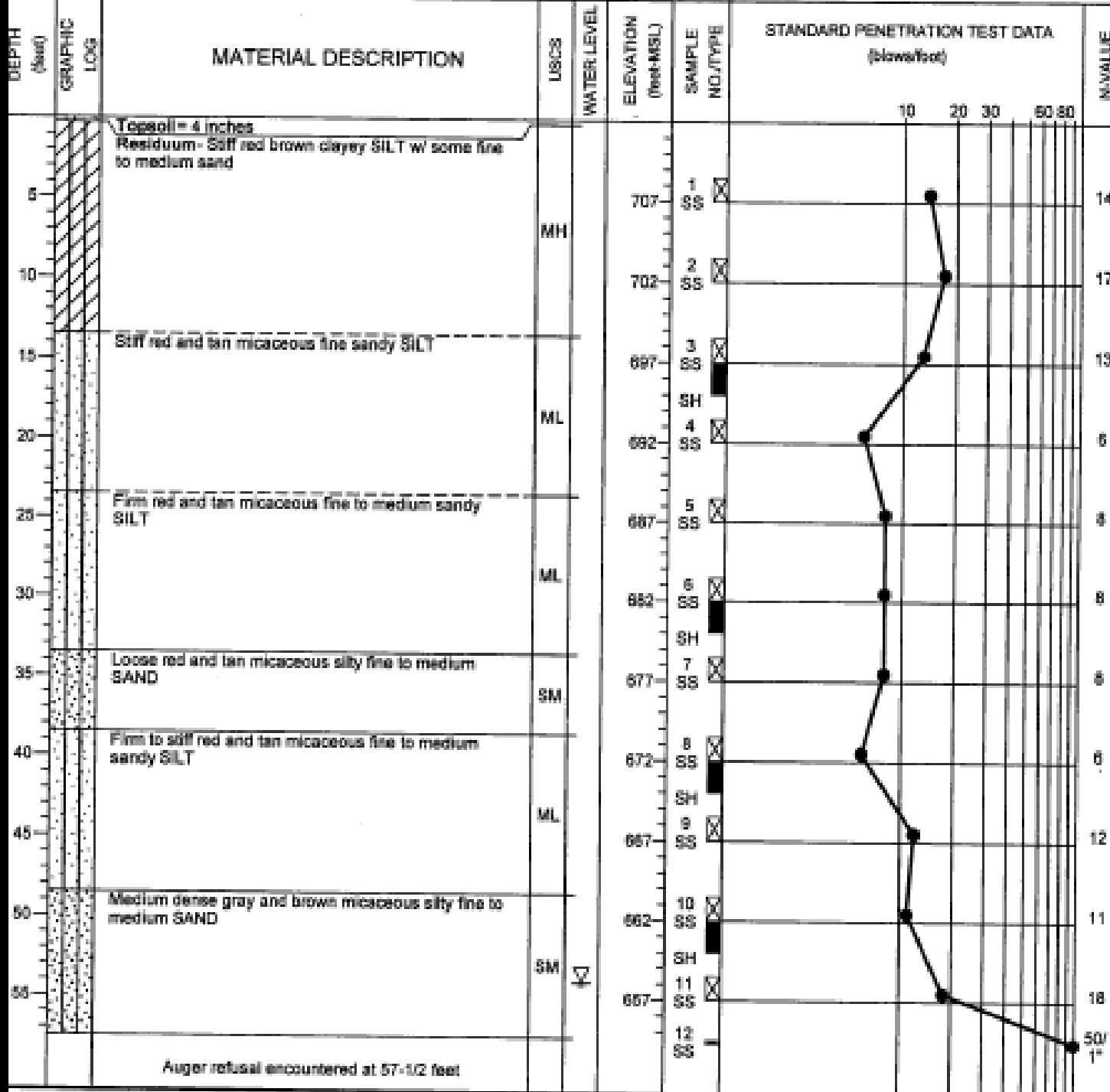
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-1B3C

BORING LOG C-7

DATE DRILLED: 4/4/06
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 712
 BORING DEPTH: 57.5
 WATER LEVEL: GW 54' @ TOB
 DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.915
 W 85.123

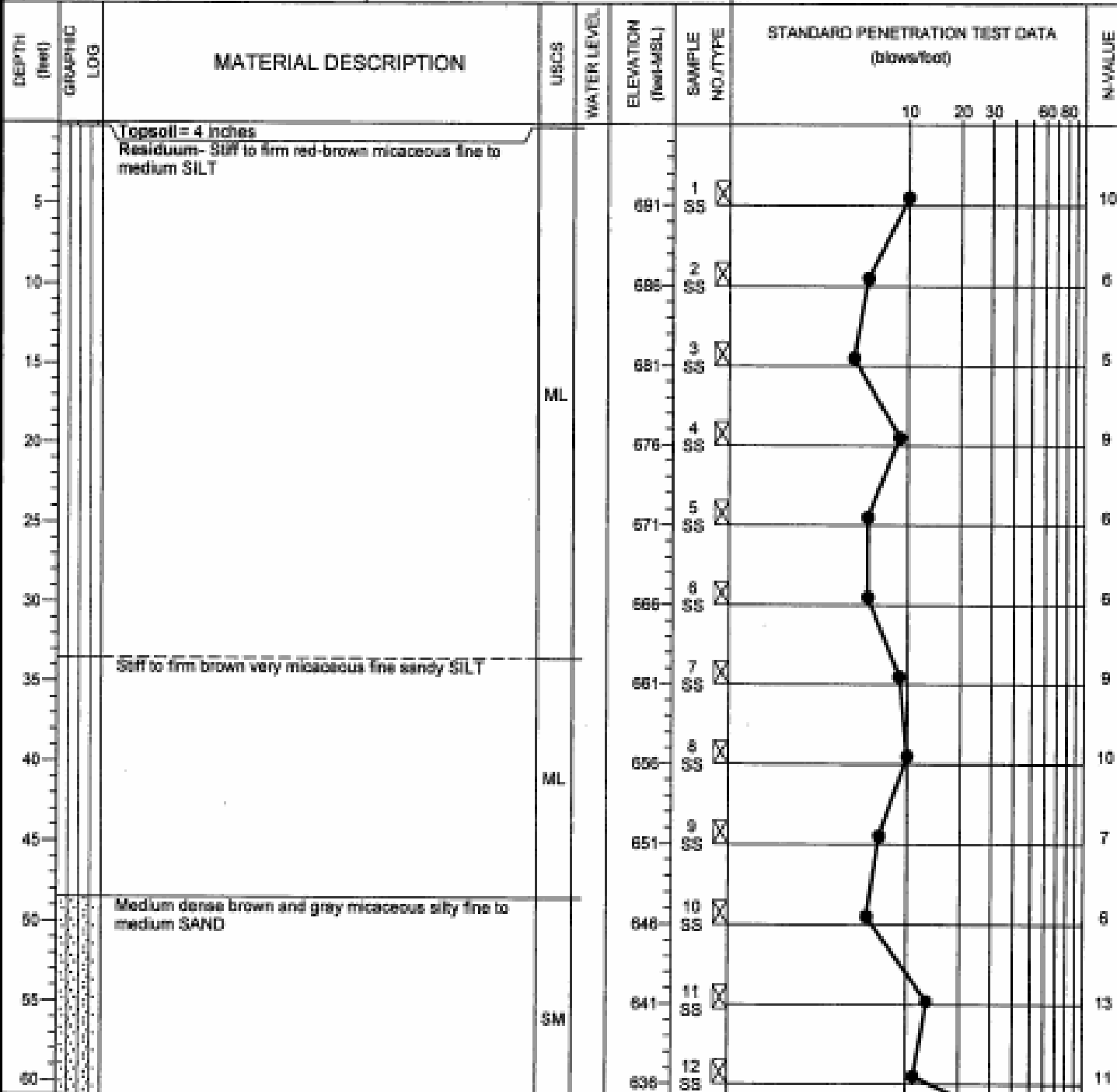


PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG C-8

DATE DRILLED: 4/6/06 ELEVATION: 696
 DRILLING METHOD: 3W" H.S.A. BORING DEPTH: 65.0
 LOGGED BY: WRT WATER LEVEL: GW 63' @ TOB
 DRILLER: T. Oakes DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.916
 W 85.122



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

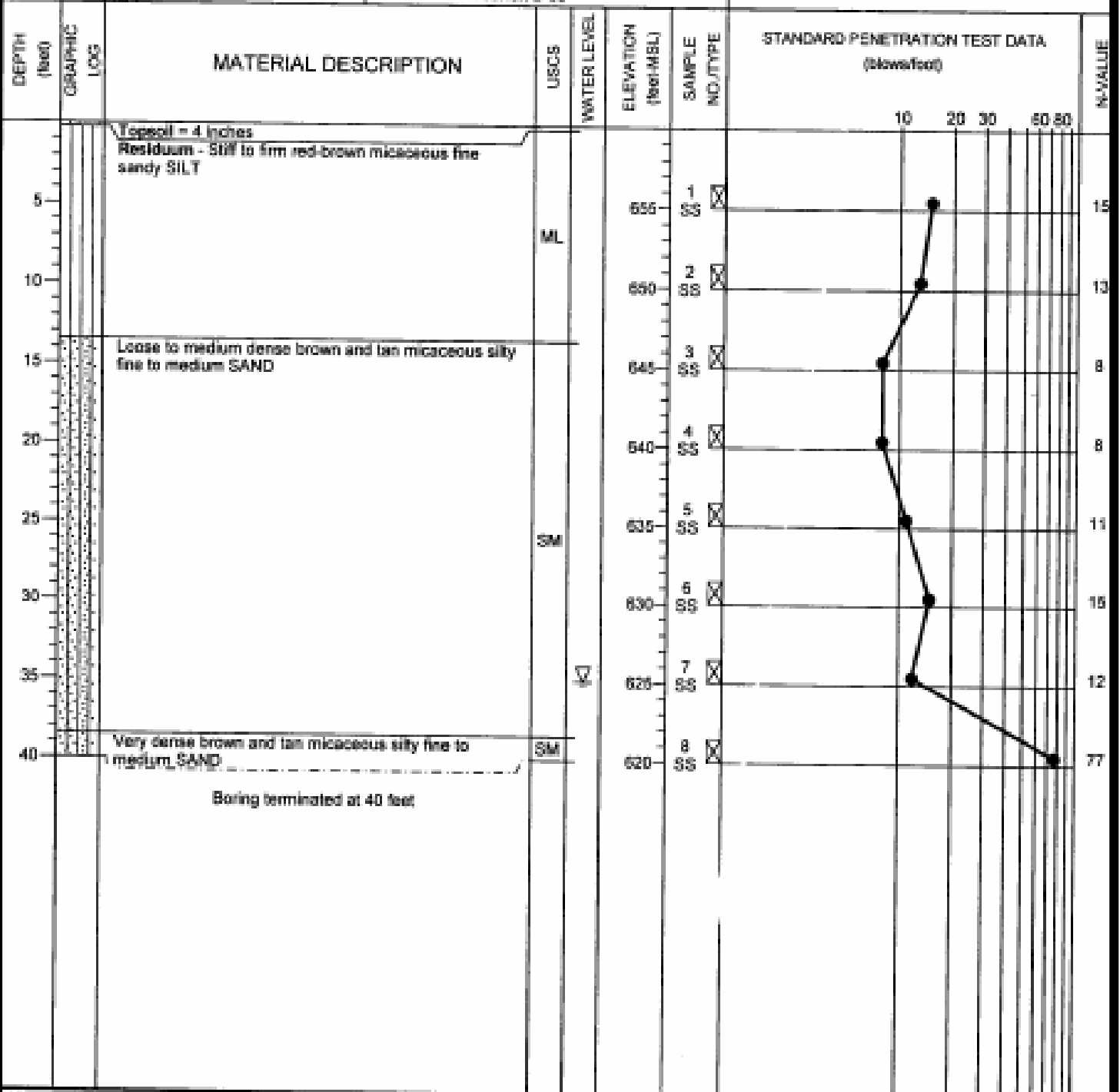
BORING LOG C.1-2

DATE DRILLED: 4/8/08
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Cakes

ELEVATION: 669
 BORING DEPTH: 40.0
 WATER LEVEL: GW 35' @ TOB
 DRILL RIG: Dietrich D-50

NOTES: Automatic Hammer

N 32.909
 W 85.128



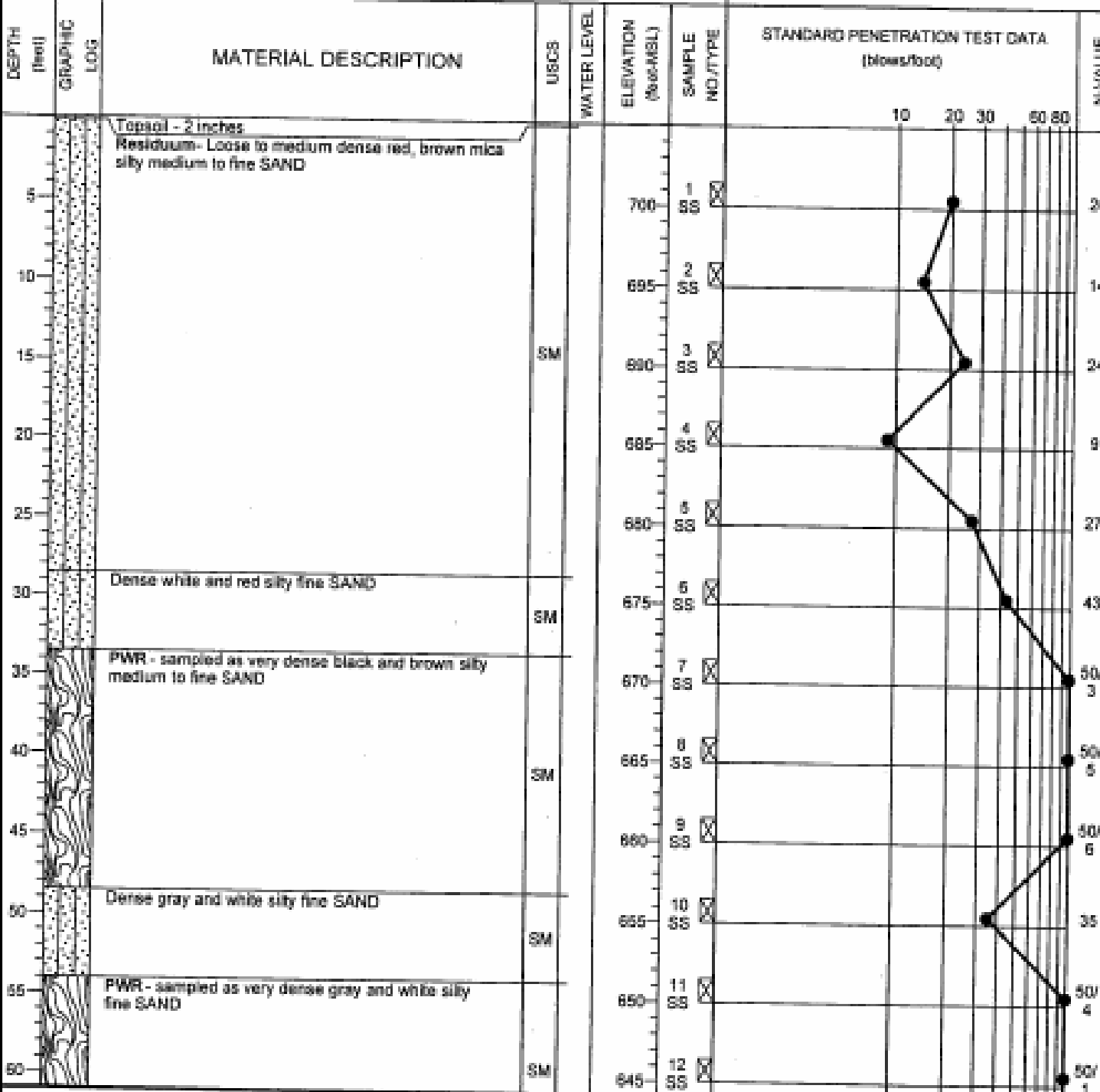
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG C.2-3

DATE DRILLED: 1/8/06
 DRILLING METHOD: 2W" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 705
 BORING DEPTH: 65.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: Mobile B-57

NOTES: N 32.911
 W 86.127
 Manual Hammer




PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-163

BORING LOG C.2-3

DATE DRILLED: 1/6/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 705
 BORING DEPTH: 65.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: Mobile B-57

NOTES: N 32.911
 W 85.127
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		PYR - sampled as very dense gray and white silty fine SAND (continued) Boring Terminated at 65'			640	13 SS						50

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG C.4-11.2

DATE DRILLED: 1/4/06 ELEVATION: 675
 DRILLING METHOD: 2W" H.S.A. BORING DEPTH: 50.0
 LOGGED BY: WT WATER LEVEL: NGWE@TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-67

NOTES: N 32.920
 W 85.119
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0 - 4	Topsoil - 4 inches	Residuum- Medium dense red, brown silty medium to fine SAND										
6			SM		670	1 SS						19
10			SM		666	2 SS						15
15			SM		660	3 SS						16
20			SM		655	4 SS						17
25		Stiff to very stiff red, brown and black medium to fine sandy SILT	ML		650	5 SS						14
30			ML		645	6 SS						18
35		Medium dense red and white silty micaceous medium to fine SAND	SM		640	7 SS						19
40		Stiff to very stiff brown fine sandy SILT with mica	ML		635	8 SS						15
45			ML		630	9 SS						12
50		Boring Terminated at 50'			625	10 SS						17

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG C.5-7

DATE DRILLED: 4/3/08
 DRILLING METHOD: 3W" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Cakes

ELEVATION: 721
 BORING DEPTH: 10.0
 WATER LEVEL: No Groundwater Encountered
 DRILL RIG: Diedrich D-80

NOTES: Automatic Hammer
 N 32.916
 W 88.123

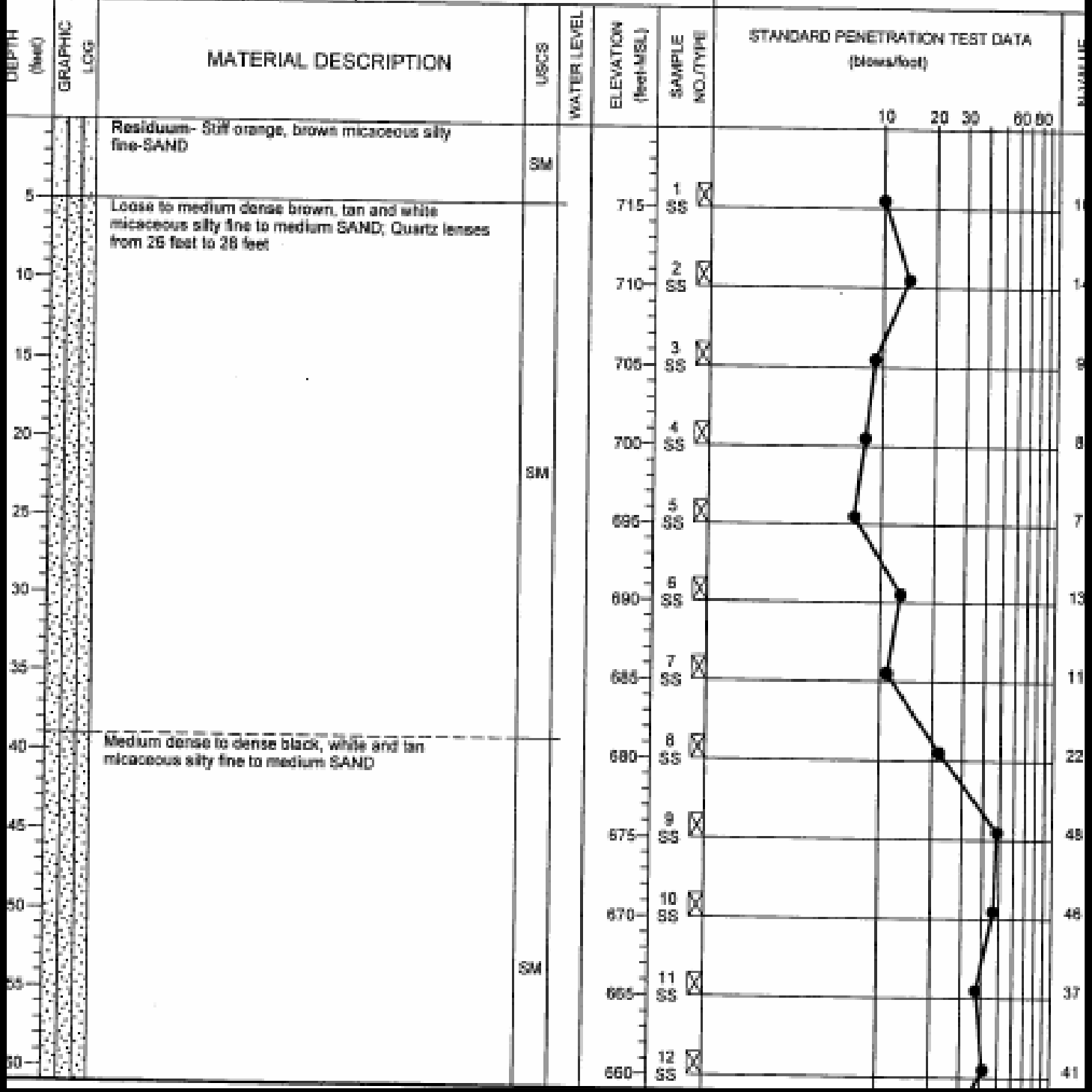
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)	N-VALUE
							10 20 30 60 80	
5	[Hatched Pattern]	Residuum- Very stiff red-brown clayey SILT w/some fine sand			716	SH	18	18
10		Boring terminated at 10 feet			711	SH		

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG C.6-7

DATE DRILLED: 1M06 ELEVATION: 720
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: TR WATER LEVEL: NGWE @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.916
 W 85.123
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG C.6-7

DATE DRILLED: 14/06 ELEVATION: 720
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 70.0
 LOGGED BY: TR WATER LEVEL: NGWE @ TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.916
 W 85.123
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	50	80	
65		Medium dense to dense black, white and tan micaceous silty fine to medium SAND (continued)			655	13 SM						24
70		PWR sampled as: Very dense black, white and tan micaceous silty fine to medium SAND Boring Terminated at 70'	SM		660	14 SM						50

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-163

BORING LOG C.8-7.5

DATE DRILLED: 1/5/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 690
 BORING DEPTH: 80.0
 WATER LEVEL: 53.5 ft @ 24 hrs
 DRILL RIG: CME 550x

NOTES: N 32.916
 W 85.123
 Automatic Hammer

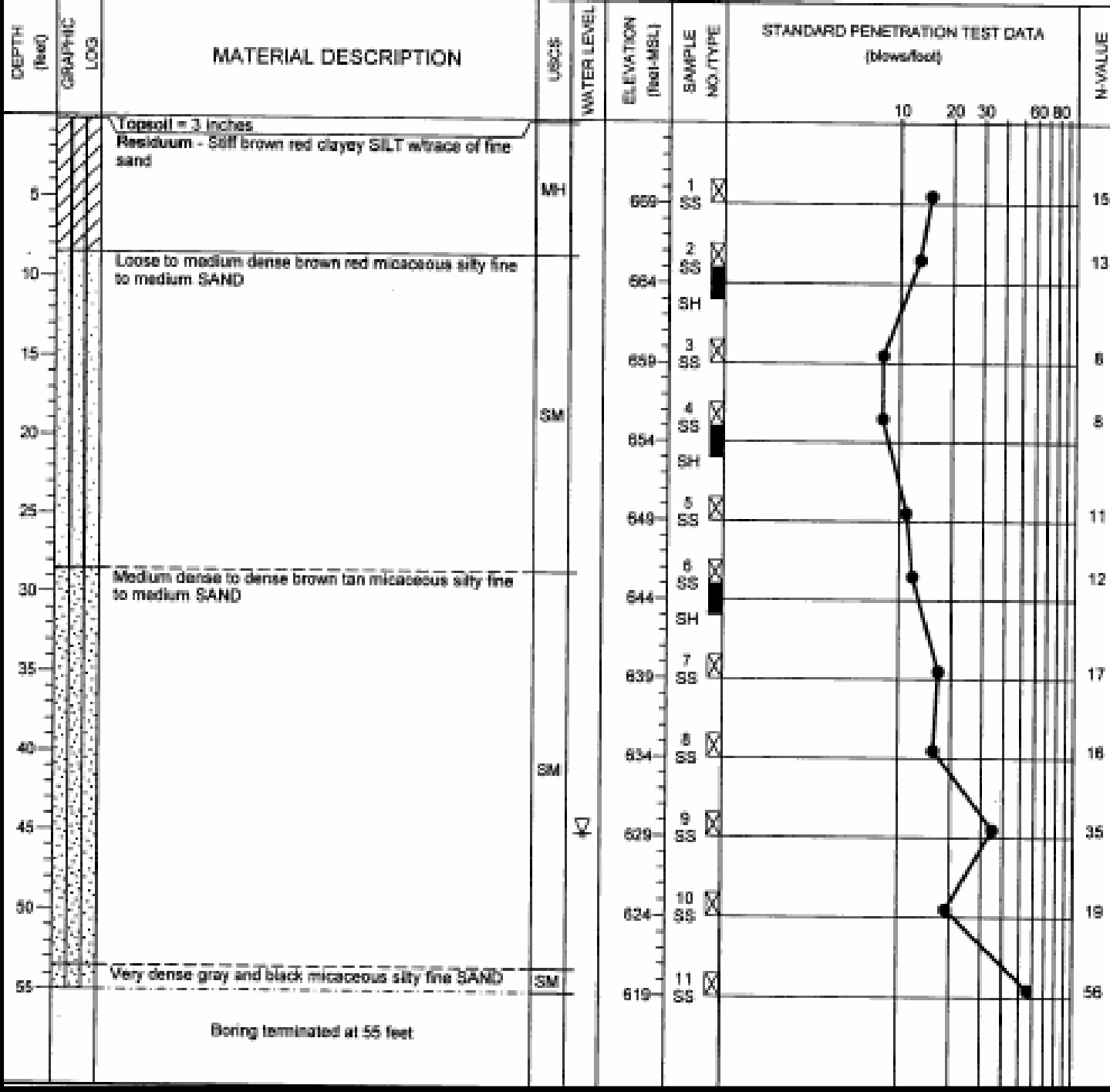
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					SPT VALUE
							10	20	30	60	80	
65		Loose to medium dense orange, brown and black micaceous silty fine SAND (continued)	SM		625	13 SS <input checked="" type="checkbox"/>						13
70		Very stiff to hard orange, brown, black and white fine sandy SILT w/ quartz lenses	ML		620	14 SS <input checked="" type="checkbox"/>						14
75		Very stiff to hard orange, brown, black and white fine sandy SILT w/ quartz lenses	ML		615	15 SS <input checked="" type="checkbox"/>						16
80		Boring Terminated at 80'			610	16 SS <input checked="" type="checkbox"/>						38

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG D-3.2

DATE DRILLED: 4/1/06 ELEVATION: 674
 DRILLING METHOD: 3 1/2" H.S.A. BORING DEPTH: 55.0
 LOGGED BY: WRT WATER LEVEL: GW 45' @ TOB
 DRILLER: D. Hedges DRILL RIG: CME-550X

NOTES: Automatic Hammer
 N 32.911
 W 85.128

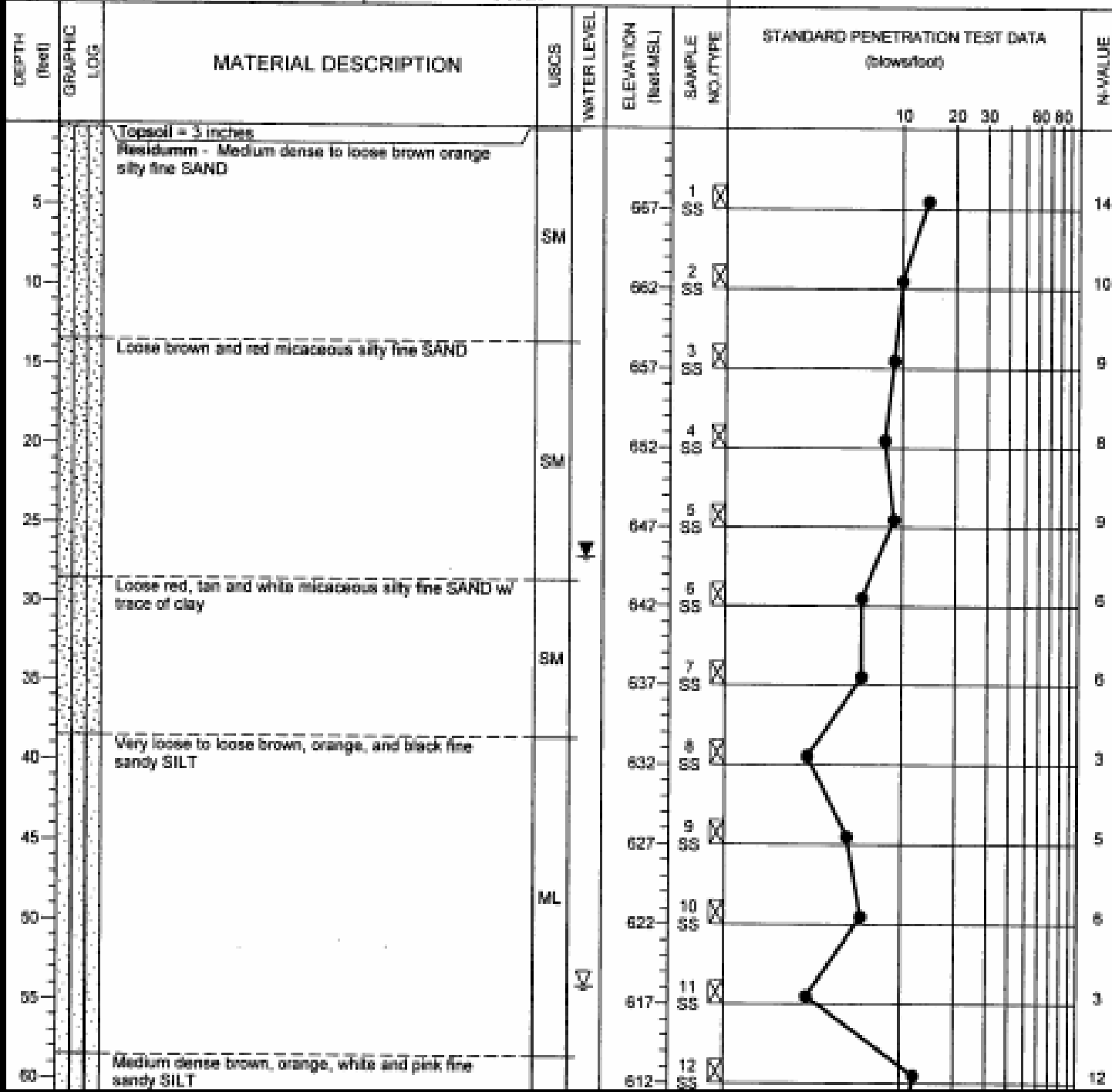


PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG D-4

DATE DRILLED: 4/8/08 ELEVATION: 672
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 85.0
 LOGGED BY: WRT WATER LEVEL: 27'
 DRILLER: T. Hedges DRILL RIG: CME-550X

NOTES: Automatic Hammer
 N 32.912
 W 85.127



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG D-4

DATE DRILLED: 4/5/05
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Hedges

ELEVATION: 672
 BORING DEPTH: 85.0
 WATER LEVEL: 27'
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 N 32.912
 W 85.127

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)				N-VALUE
							10	20	30	60 80	
65		Medium dense brown, orange, white and pink fine sandy SILT (continued)	ML		667	13 SS DC					10
67		Loose to medium dense brown, red, and tan silty fine to medium SAND w/trace of mica	SM		662	14 SS DC					13
75		Loose tan, gray, and white silty fine to medium SAND w/trace of mica	SM		667	15 SS DC					10
80		Medium dense brown, tan, and white silty fine SAND w/PWR fragments	SM		662	16 SS DC					17
85		Boring terminated at 85 feet			657	17 SS DC					28

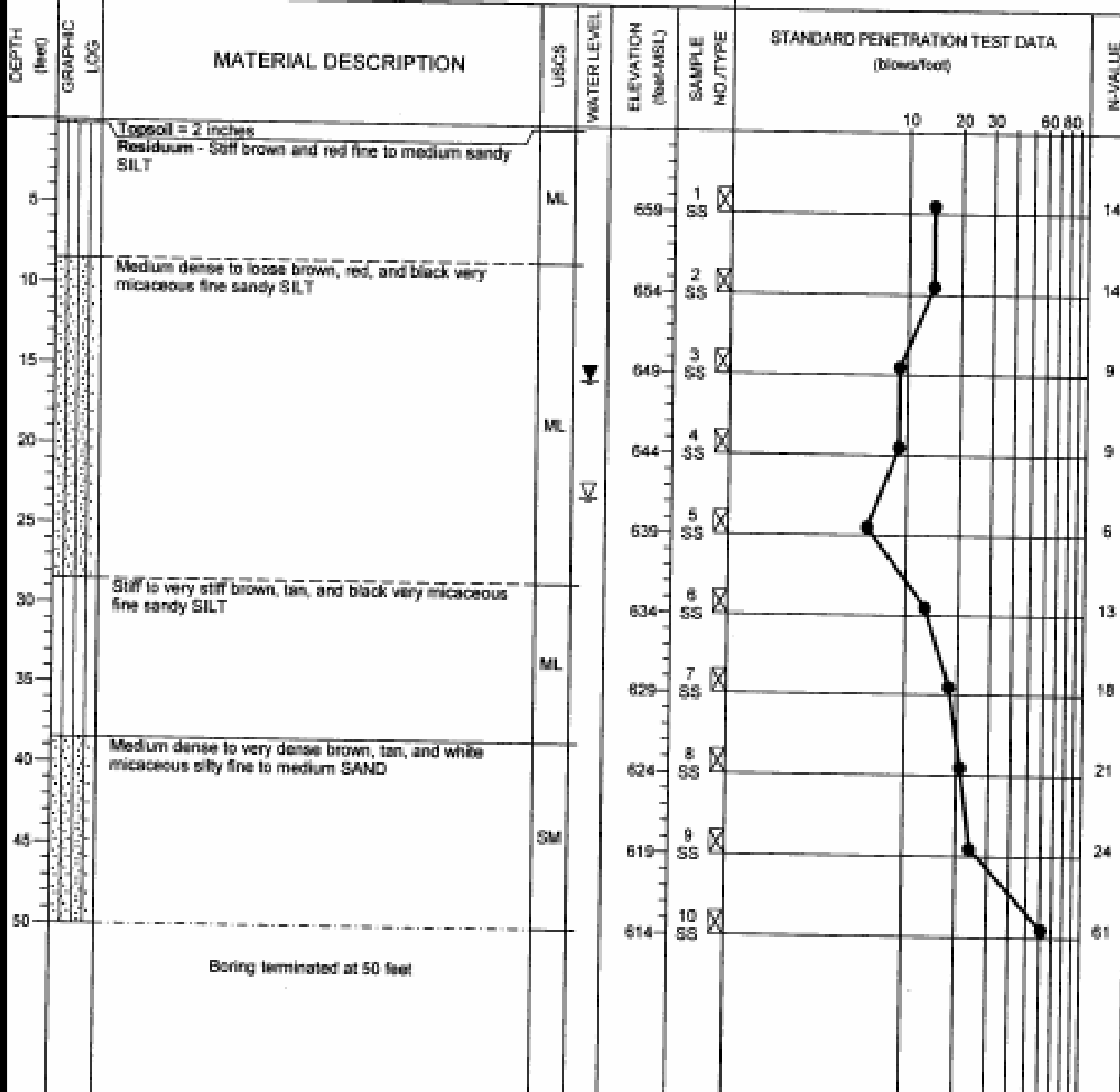
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG D-6

DATE DRILLED: 4/6/98
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: ZMT
 DRILLER: T. Hedges

ELEVATION: 664
 BORING DEPTH: 50.0
 WATER LEVEL: 15.7
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 N 32.914
 W 82.125



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1601-05-183C

BORING LOG D.2-13.8(P)

DATE DRILLED: 4/6/06
 DRILLING METHOD: 2W" H.S.A.
 LOGGED BY: ZMT
 DRILLER: T. Hedges

ELEVATION: 684
 BORING DEPTH: 65.0
 WATER LEVEL: 50.1'
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 Piezometer Set @ 64'
 N 32.923
 W 82.118

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0 - 4		Topsoil - 4 inches										
4 - 8		Residuum - Loose brown and red silty fine SAND w/trace mica	SM		689	1 SS						5
8 - 13		Firm brown and red micaceous fine sandy SILT	ML		684	2 SS						8
13 - 18		Medium dense brown, red, and white silty fine to medium SAND w/trace clay and mica	SM		679	3 SS						15
18 - 24		Firm brown and red micaceous fine sandy SILT			674	4 SS						6
24 - 29					669	5 SS						5
29 - 34					664	6 SS						8
34 - 39			ML		659	7 SS						6
39 - 44					654	8 SS						8
44 - 49					649	9 SS						6
49 - 54					644	10 SS						6
54 - 59		Medium dense to dense brown micaceous silty fine to medium SAND			638	11 SS						7
59 - 65			SM		634	12 SS						12

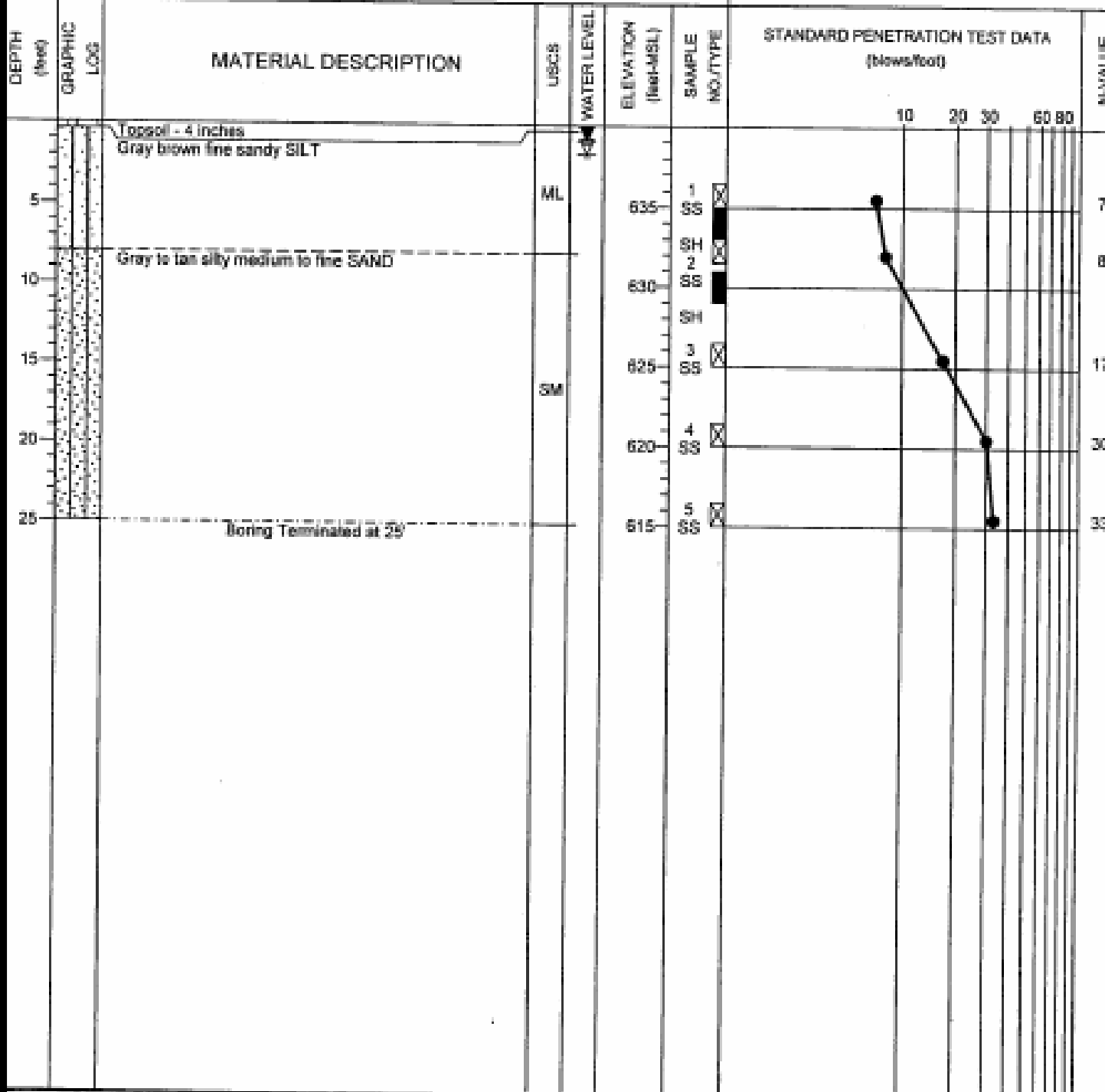
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG D.6-5.3

DATE DRILLED: 1/19/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Gakas

ELEVATION: 640
 BORING DEPTH: 25.0
 WATER LEVEL: 1 ft @ 24 hrs
 DRILL RIG: Mobile B-57

NOTES: N 32.914
 W 85.127
 Manual Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG D.8-3.4

DATE DRILLED: 1/4/88
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 699
 BORING DEPTH: 40.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: CME 550x

NOTES: N 32.913
 W 85.129
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE	
							10	20	30	60	90		
0													
5		Residuum- Firm red, brown micaceous fine sandy SILT	ML		685	1 SS						8	
10					680	2 SS							8
15		Medium dense tan, brown and white micaceous clayey, silty fine- to medium-SAND			675	3 SS							6
20		Firm orange, brown and black micaceous silty fine-SAND	SM		670	4 SS						16	
25					665	5 SS							7
30					660	6 SS							8
35					655	7 SS							7
40		Boring Terminated at 40'			650	8 SS						7	

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG D.9-3.5

DATE DRILLED: 4/4/08
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Hedges

ELEVATION: 674
 BORING DEPTH: 30.0
 WATER LEVEL: No GW @ TOB
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 Near old boring D.8-3.4
 N 32.913
 W 85.129
 No Standard Penetration Tests Performed

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil = 2 inches Residuum- Stiff orange-brown medium sandy SILT	ML		668							
10					664							
15		Stiff orange-brown micaceous clayey SILT w/trace sand	MH		659							
20		Medium dense brown, red, and tan micaceous silt fine to medium SAND w/quartz fragments	SM		654							
25					649							
30		Boring terminated at 30 feet			644							

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG E-4(P)

DATE DRILLED: 4/4/06 ELEVATION: 672
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 65.0
 LOGGED BY: WRT WATER LEVEL: 32.6'
 DRILLER: T. Hedges DRILL RIG: CME-550X

NOTES: Automatic Hammer
 Piezometer Set @ 48"
 N 32.913
 W 85.129

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0-2		Topsoil - 2 inches										
2-5		Residuum - Stiff red brown micaceous fine to medium sandy SILT				1 SS						12
5-10			ML		667	2 SS						11
10-15					662	3 SS						9
15-20					657	4 SS						8
20-25		Firm red brown and tan very micaceous fine sandy SILT	ML		652	5 SS						11
25-30		Stiff black, brown, gray, and red very micaceous fine silty SILT			647	6 SS						9
30-35			ML		642	7 SS						12
35-40					637	8 SS						10
40-45		Medium dense black and gray very micaceous silty fine SAND	SM		632	9 SS						11
45-50		Stiff to very stiff black and gray very micaceous fine sandy SILT			627	10 SS						9
50-55			ML		622	11 SS						11
55-60					617	12 SS						14

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

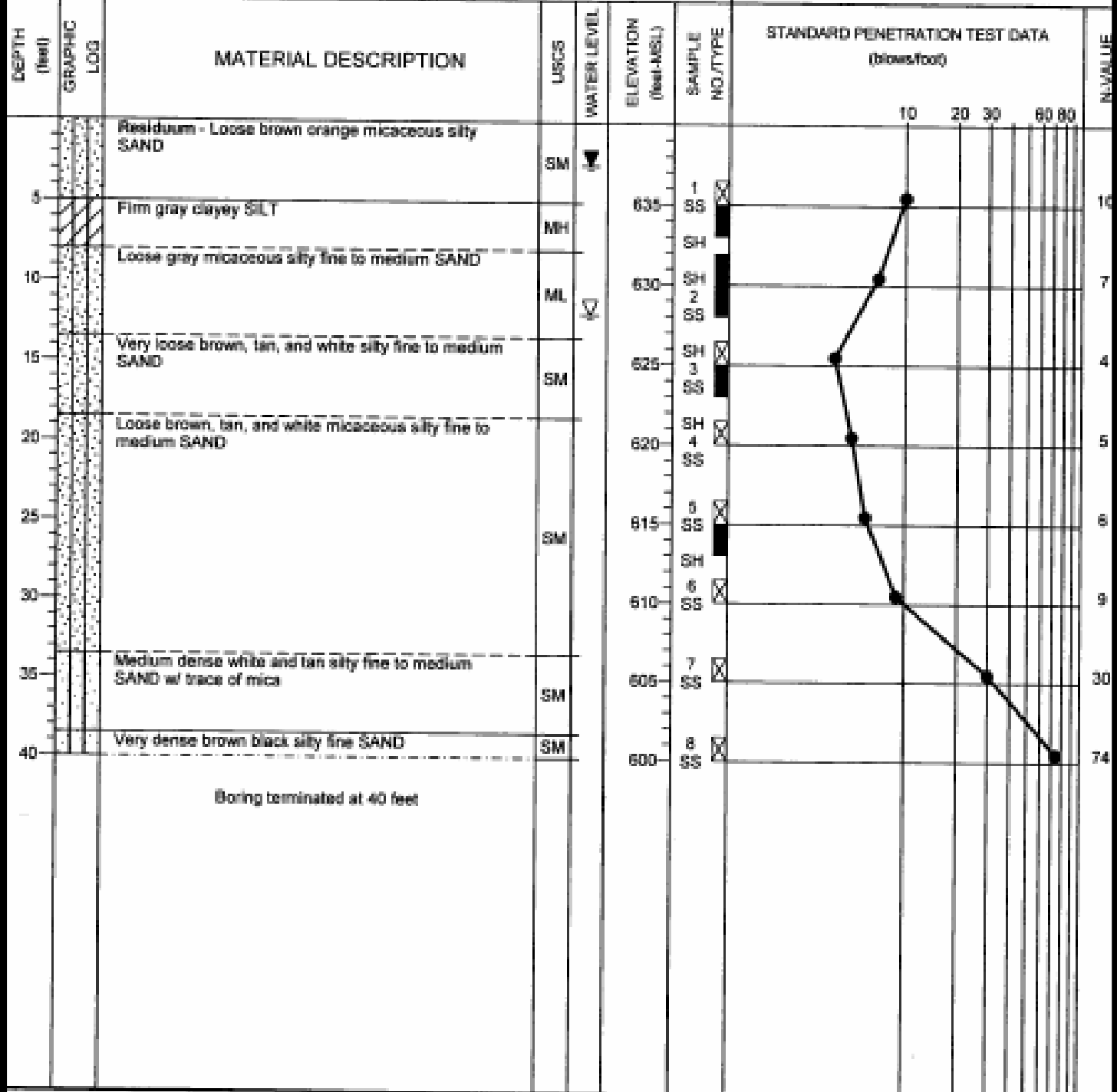
BORING LOG E-5(P)

DATE DRILLED: 4/5/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Hedges

ELEVATION: 640
 BORING DEPTH: 40.0
 WATER LEVEL: 3'
 DRILL RIG: CMI-550X

NOTES: Automatic Hammer
 Piezometer Set @ 20'

N 32.914
 W 85.128



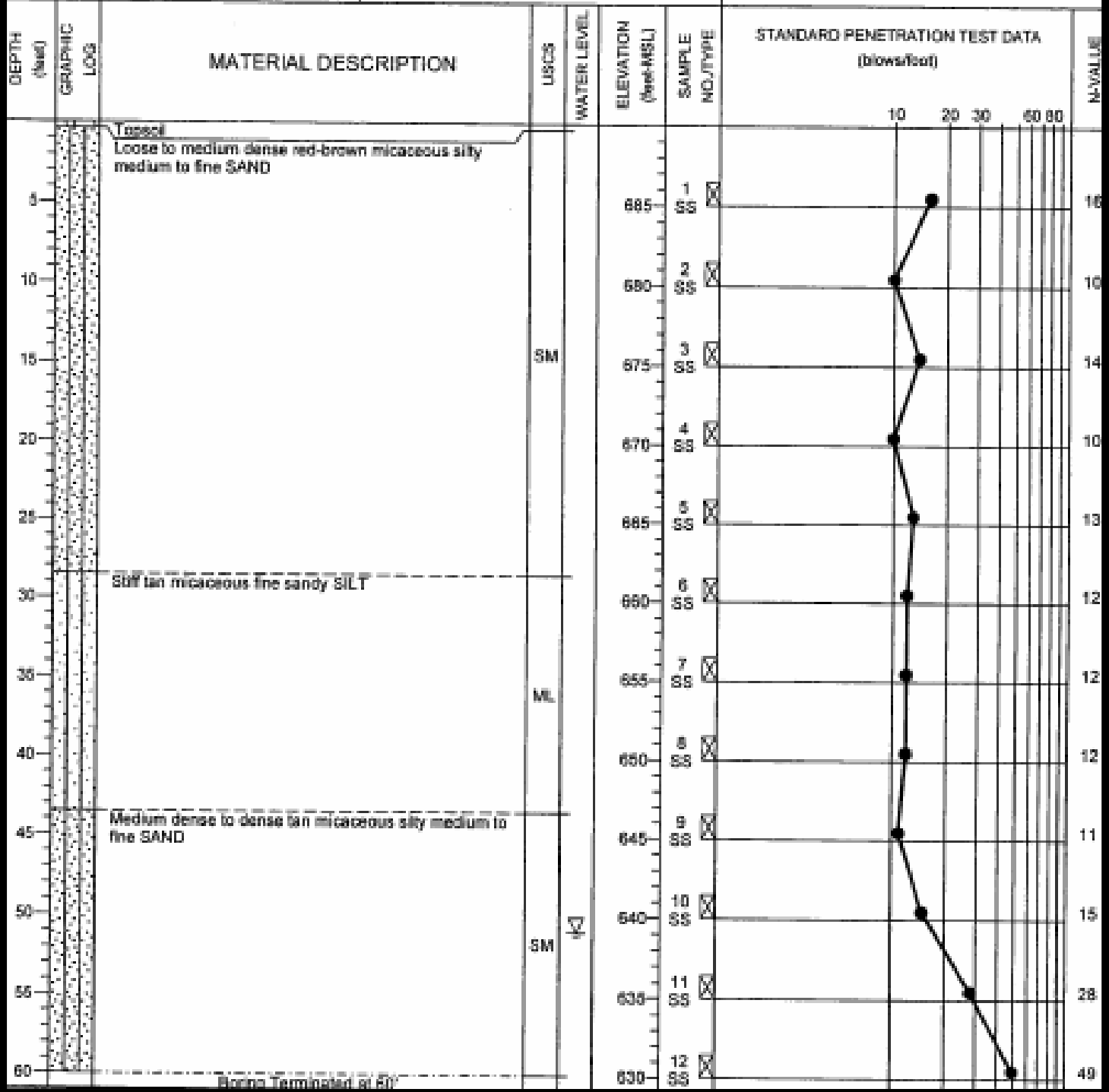
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG E.2-13.3

DATE DRILLED: 1/5/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 890
 BORING DEPTH: 60.0
 WATER LEVEL: 51 ft @ TOS
 DRILL RIG: Mobile B-57

NOTES: N 32.924
 W 85.120
 Manual Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG E.8-8.2

DATE DRILLED: 4/8/06
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 624
 BORING DEPTH: 35.0
 WATER LEVEL: 2'
 DRILL RIG: Diedrich D-60

NOTES: Automatic Hammer
 N 32.920
 W 85.129

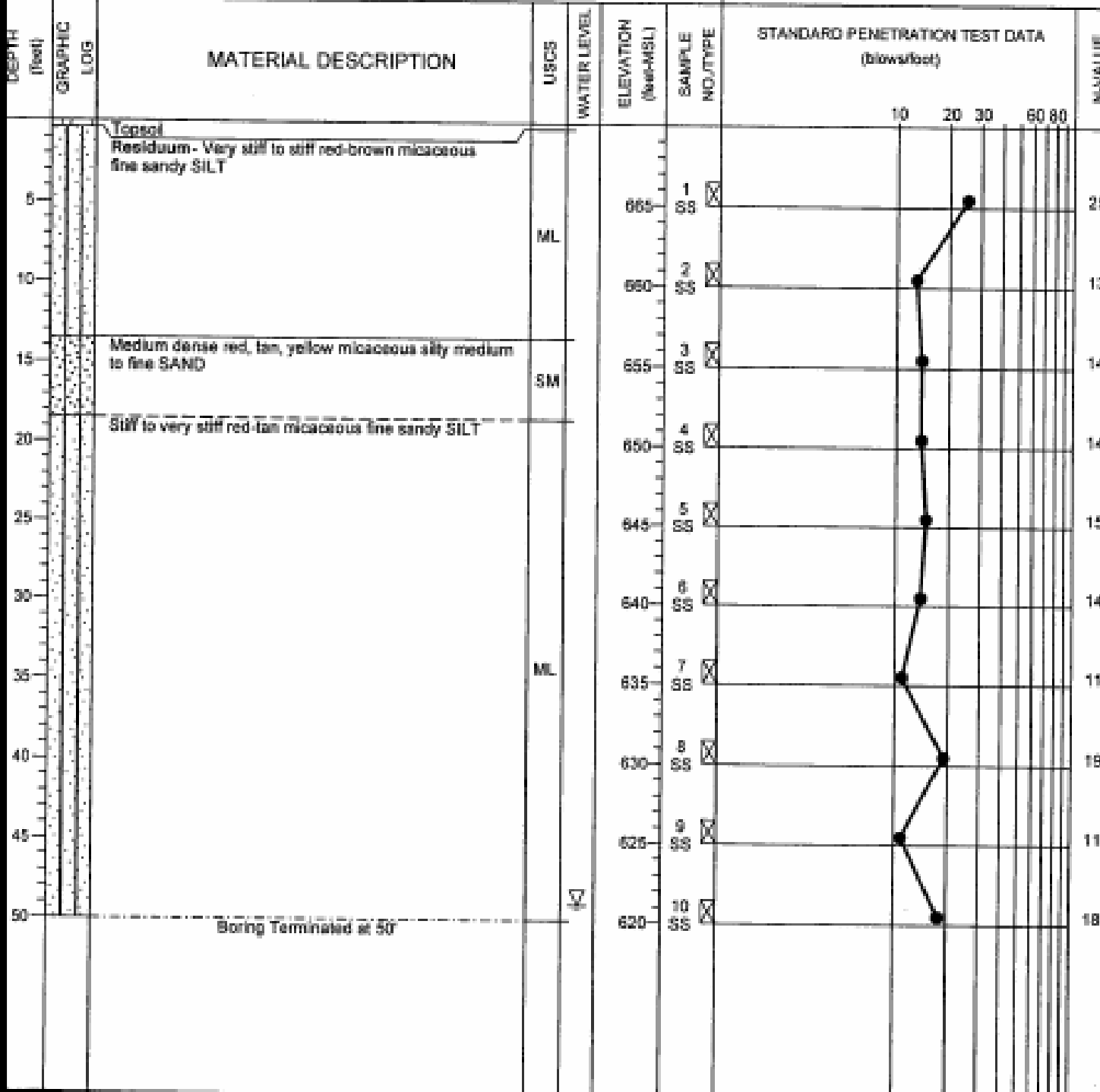
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil = 3 inches Residuum - Very soft to soft brown clayey fine sandy SILT	MH	2'	610	1 SH SS						2
10		Soft brown fine to medium sandy SILT	ML		614	2 SS						3
15		Soft brown and black micaceous fine to medium sandy SILT	ML		609	3 SH SS						3
20			ML		604	4 SS						4
25		Medium dense to dense brown micaceous silty fine to medium SAND	SM		599	5 SS						19
30			SM		594	6 SH SS						17
35		Boring terminated at 35 feet			589	7 SS						31

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1601-06-183

BORING LOG E.9-13

DATE DRILLED: 1/5/88 ELEVATION: 670
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 50.0
 LOGGED BY: WT WATER LEVEL: 49 ft @ TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-57

NOTES: N 32.924
 W 85.121
 Manual Hammer



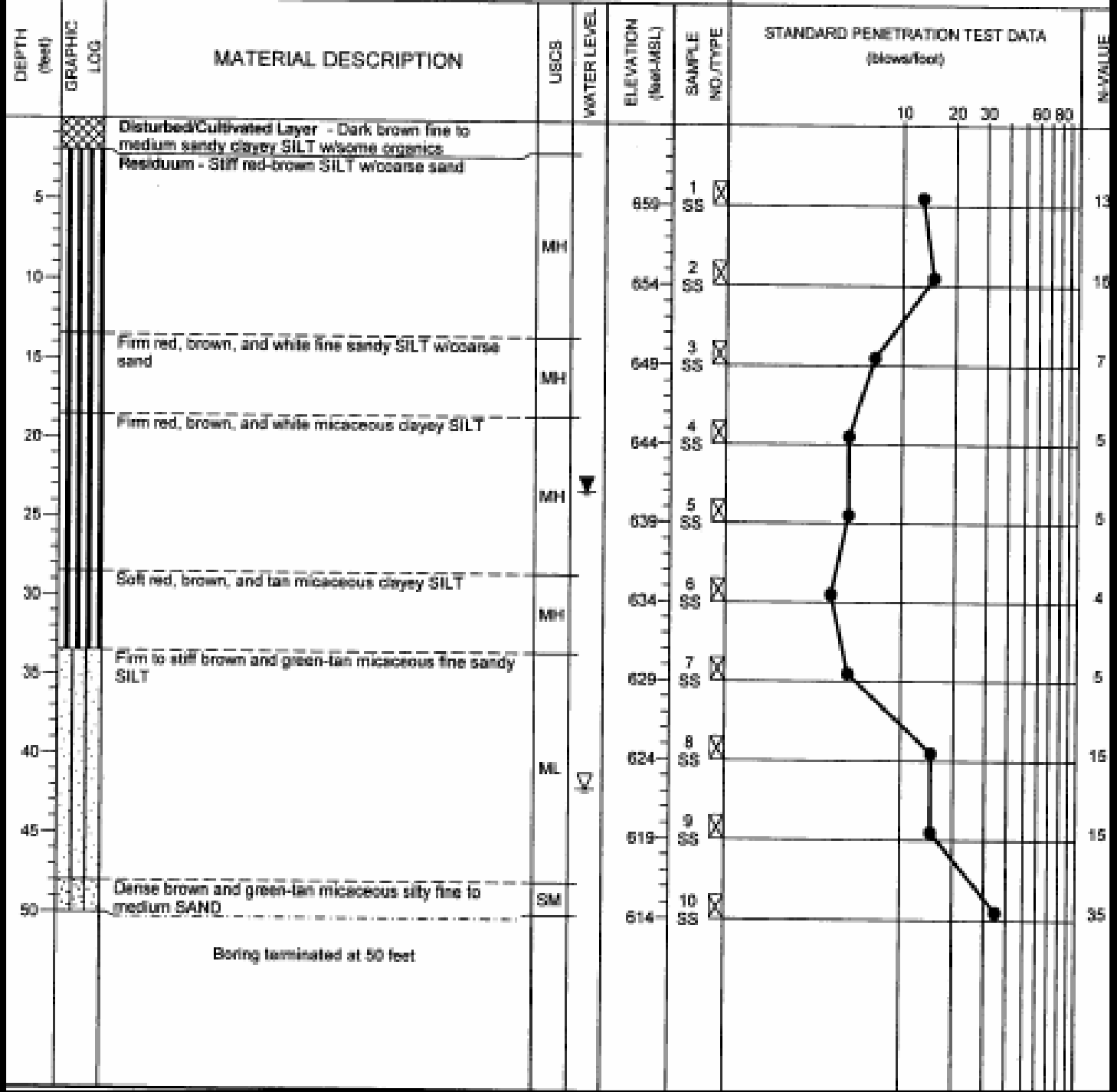
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG F-4

DATE DRILLED: 4/5/96
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Hedges

ELEVATION: 664
 BORING DEPTH: 50.0
 WATER LEVEL: 23.2'
 DRILL RIG: CME-550X

NOTES: Automatic Hammer
 Piezometer Set @ 47'
 N 32.814
 W 85.130



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG F.5-12.4(P)

DATE DRILLED: 1/6/05
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Cakes

ELEVATION: 640
 BORING DEPTH: 30.0
 WATER LEVEL: 11.3 ft @ 24 hrs
 DRILL RIG: Mobile B-67

NOTES: Piezometer bottom set at 30 feet bgs
 N 32.924
 W 85.122
 No SPT Samples Taken

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
		Piezometer bottom set at 30 feet below ground surface										
5					635							
10				▼	630							
15					625							
20					620							
25					615							
30					610							

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG F.5-12.4(P)

DATE DRILLED: 1/6/05
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Cakes

ELEVATION: 640
 BORING DEPTH: 30.0
 WATER LEVEL: 11.3 ft @ 24 hrs
 DRILL RIG: Mobile B-67

NOTES: Piezometer bottom set at 30 feet bgs
 N 32.924
 W 85.122
 No SPT Samples Taken

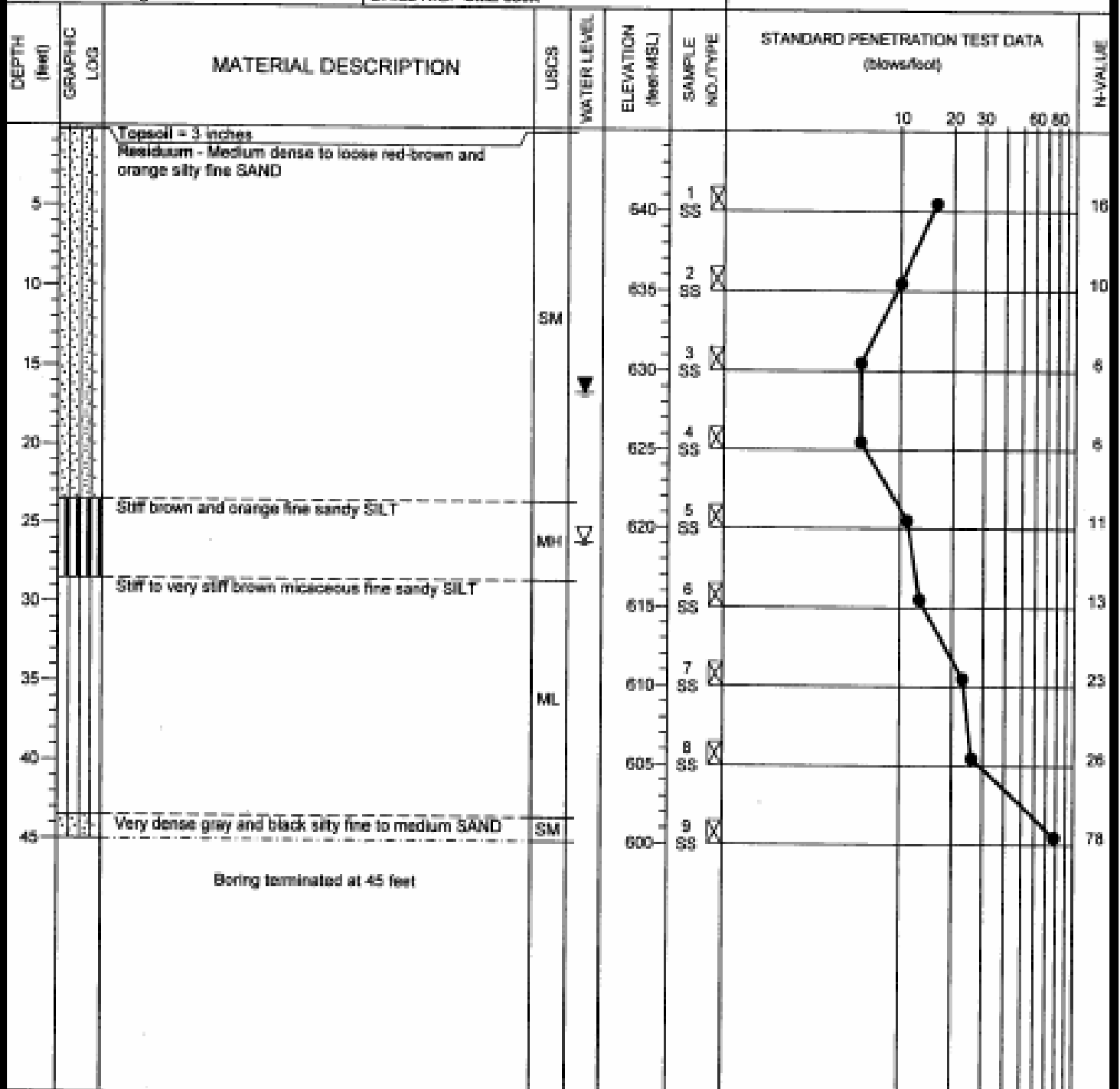
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
		Piezometer bottom set at 30 feet below ground surface		▼								
5					635							
10					630							
15					625							
20					620							
25					615							
30					610							

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

BORING LOG F.8-13

DATE DRILLED: 4/8/06 ELEVATION: 645
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 48.0
 LOGGED BY: ZMT WATER LEVEL: 16.5'
 DRILLER: T. Hedges DRILL RIG: CME-550X

NOTES: Automatic Hammer
 N 32.925
 W 83.123



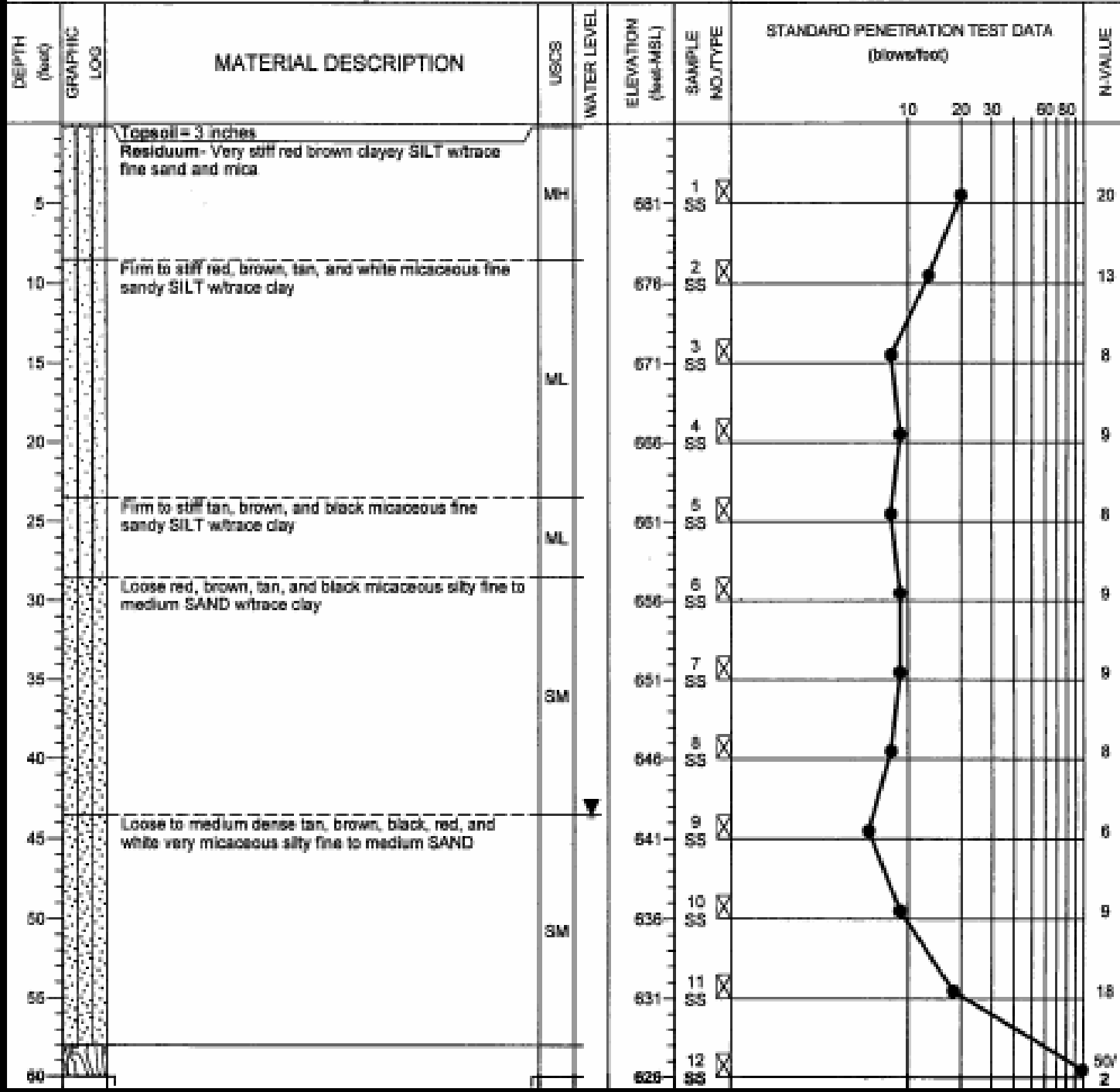
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG G-4.2

DATE DRILLED: 4/7/08
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 688
 BORING DEPTH: 63.0
 WATER LEVEL: 43.5'
 DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.916
 W 85.131



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG G-4.8

DATE DRILLED: 1/9/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: JB
 DRILLER: D. Hedges

ELEVATION: 710
 BORING DEPTH: 80.0
 WATER LEVEL: NGW@TOB
 DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.130
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0-8	[Stippled pattern]	Topsail - 8 inches										
8-10	[Stippled pattern]	Residuum - Medium dense orange brown silty fine SAND w/trace clay, micaceous	SM		705	1 SS		16				
10-15	[Stippled pattern]	Loose orange, brown silty fine SAND; micaceous	SM		700	2 SS		7				
15-20	[Stippled pattern]	Stiff orange, brown fine sandy SILT; some mica	ML		695	3 SS		8				
20-25	[Stippled pattern]	Stiff orange, brown fine sandy SILT; some mica	ML		690	4 SS		11				
25-30	[Stippled pattern]	Stiff orange, brown fine sandy SILT; some mica	ML		685	5 SS		10				
30-35	[Stippled pattern]	Medium dense to loose orange, gray and white silty fine to medium SAND; trace mica	SM		680	6 SS		18				
35-40	[Stippled pattern]	Medium dense to loose orange, gray and white silty fine to medium SAND; trace mica	SM		675	7 SS		17				
40-45	[Stippled pattern]	Medium dense to loose orange, gray and white silty fine to medium SAND; trace mica	SM		670	8 SS		28				
45-50	[Stippled pattern]	Stiff brown fine sandy SILT; micaceous	ML		665	9 SS		6				
50-55	[Stippled pattern]	Stiff brown fine sandy SILT; micaceous	ML		660	10 SS		12				
55-60	[Stippled pattern]	Stiff brown fine sandy SILT; micaceous	ML		655	11 SS		9				
60-65	[Stippled pattern]	Stiff brown fine sandy SILT; micaceous	ML		650	12 SS		13				

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG G-4.8

DATE DRILLED: 1/9/08 ELEVATION: 710
 DRILLING METHOD: 2W" H.S.A. BORING DEPTH: 80.0
 LOGGED BY: JB WATER LEVEL: NGWE@TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.915
 W 85.130
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Stiff brown fine sandy SILT; micaceous (continued)										
66		Medium dense brown and white silty fine to medium SAND; trace mica			645	13 SS						24
70		Very stiff brown and white silty fine to medium SAND; trace mica			640	14 SS						62
75		Medium dense brown and white silty fine to medium SAND; trace mica	SM		635	15 SS						20
80		Boring Terminated at 80'			630	16 SS						15

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG G- 6

DATE DRILLED: 4/7/06
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Gales

ELEVATION: 682
 BORING DEPTH: 75.0
 WATER LEVEL: 55'
 DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.917
 W 85.129

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil = 1 inch										
0		Residuum - Firm to stiff red-brown micaceous fine sandy SILT										
5					677	1 SS						5
10					672	2 SS						6
15					667	3 SS						9
20					662	4 SS						9
25					657	5 SS						8
30					652	6 SS						8
35			ML		647	7 SS						6
40					642	8 SS						11
45					637	9 SS						10
50					632	10 SS						7
55				55'	627	11 SS						9
60					622	12 SS						9

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

BORING LOG G- 6

DATE DRILLED: 4/7/06
 DRILLING METHOD: 3W" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 682
 BORING DEPTH: 75.0
 WATER LEVEL: 55'
 DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.917
 W 85.129

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)	N-VALUE
65		Residuum - Firm to stiff red-brown micaceous fine sandy SILT (continued) Stiff to very stiff red-brown micaceous fine sandy SILT		55'	617	13 SS ⊗	10 20 30 40 50 60	13
70					612	14 SS ⊗		14
75		Boring terminated at 75 feet			607	15 SS ⊗		29

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG G.2-5

DATE DRILLED: 1/4/06
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: TR
 DRILLER: D. Hedges

ELEVATION: 720
 BORING DEPTH: 50.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: CME 550x

NOTES: N 32.916
 W 85.130
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
5		Residuum- Very stiff red brown micaceous fine sandy SILT	ML		715	1 SS						18
10		Firm red brown micaceous fine sandy SILT	ML		710	2 SS						8
15			ML		705	3 SS						7
20		Firm orange, brown and black micaceous fine sandy SILT	ML		700	4 SS						6
25			ML		695	5 SS						7
30			ML		690	6 SS						8
35			ML		685	7 SS						6
40		Stiff orange, brown, black and white micaceous fine to medium sandy SILT w/quartz lenses	ML		680	8 SS						10
45			ML		675	9 SS						12
50		Boring Terminated at 50'			670	10 SS						9

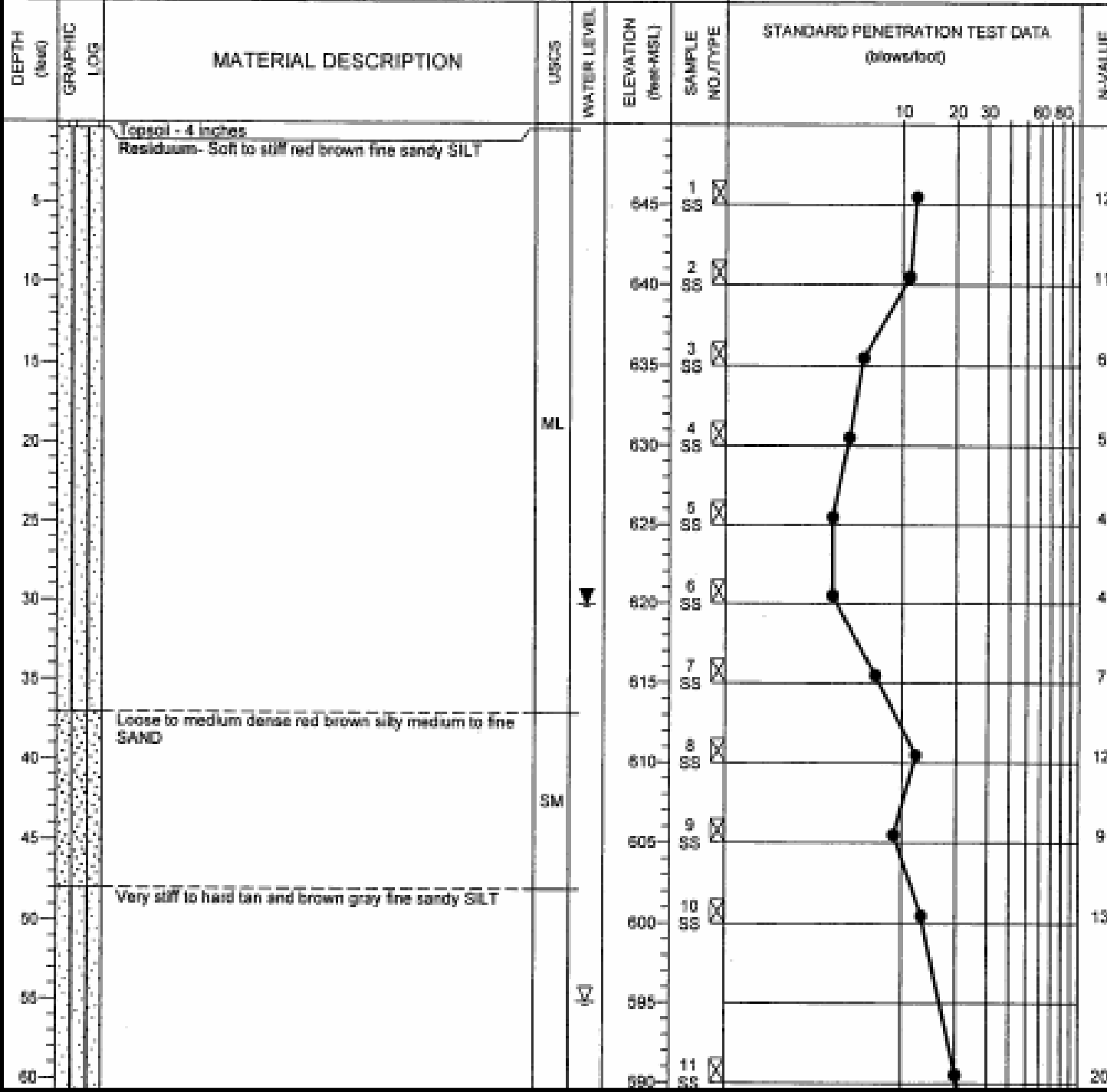
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG G.4-10

DATE DRILLED: 1/10/06
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: D. Hedges

ELEVATION: 850
 BORING DEPTH: 99.0
 WATER LEVEL: 30.1 ft @ 24 hrs
 DRILL RIG: CME 550x

NOTES: N 32.922
 W 85.126
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG G.4-10

DATE DRILLED: 1/10/06 ELEVATION: 660
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 90.0
 LOGGED BY: WT WATER LEVEL: 30.1 ft @ 24 hrs
 DRILLER: D. Hedges DRILL RIG: GME 550x

NOTES: N 32.922
 W 85.126
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)				N-VALUE
							10	20	30	60 80	
65		Very stiff to hard tan and brown gray fine sandy SILT (continued)	ML		585						
70											
75					580	13 SS					
80					570	13 SS					36
85					565						
90		Boring Terminated at 90'			560						

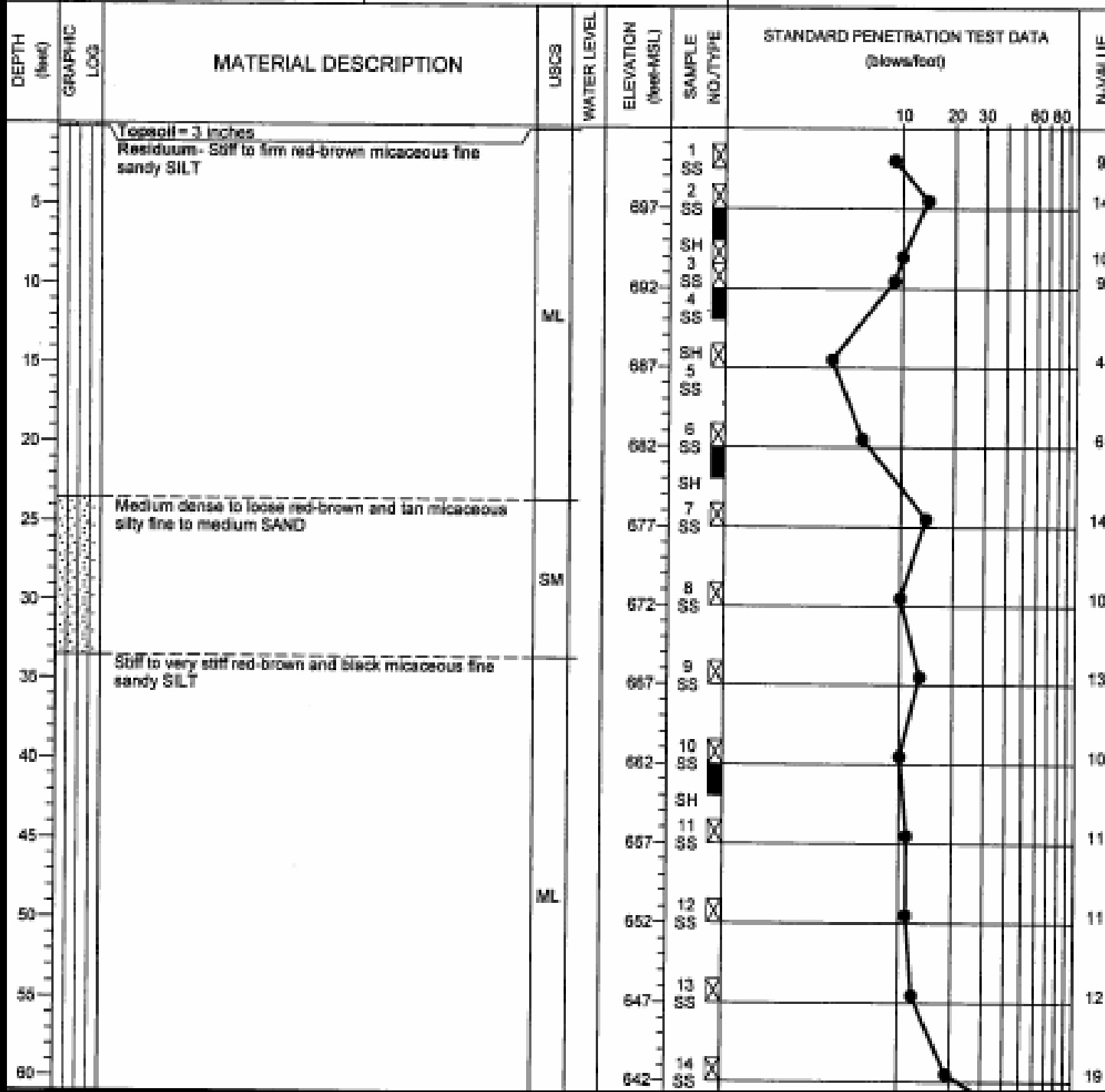
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-182C

BORING LOG G.7-4.5

DATE DRILLED: 4/19/06
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: Adam

ELEVATION: 702
 BORING DEPTH: 66.0
 WATER LEVEL: No Groundwater Encountered
 DRILL RIG: CME-45

NOTES: Automatic Hammer
 N 32.916
 W 85.131



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG G.7-4.5

DATE DRILLED: 4/18/08
 DRILLING METHOD: 3X" H.S.A.
 LOGGED BY: WRT
 DRILLER: Adam

ELEVATION: 702
 BORING DEPTH: 65.0
 WATER LEVEL: No Groundwater Encountered
 DRILL RIG: GME-45

NOTES: Automatic Hammer
 N 32.816
 W 85.131

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Stiff to very stiff red-brown and black micaceous fine sandy SILT (continued) Partially Weathered Rock- Sampled as very dense brown and tan silty coarse to fine SAND Boring terminated at 65 feet			637	16 26						28

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183C

BORING LOG G.8-5.7(P)

DATE DRILLED: 4/7/06
 DRILLING METHOD: 3W" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 688
 BORING DEPTH: 79.0
 WATER LEVEL: 81.3'
 DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 Piezometer Set @ 70'
 N 32.917
 W 85.131

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil = 2 inches Residuum - Soft to firm red-brown micaceous fine sandy SILT	ML		688	1 SS						13
10			ML		678	2 SS						8
15		Loose red and white micaceous silty fine to medium SAND	SM		671	3 SS						8
20		Firm to stiff brown micaceous firm to medium sandy SILT			668	4 SS						8
25			ML		661	5 SS						5
30			ML		656	6 SS						11
36			ML		651	7 SS						9
40		Medium dense brown to gray micaceous silty fine to medium SAND			646	8 SS						25
45					641	9 SS						13
50			SM		636	10 SS						17
55					631	11 SS						15
60		Stiff brown micaceous fine to medium sandy SILT			626	12 SS						10

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1401-05-183C

BORING LOG H- 5

DATE DRILLED: 4/7/08 ELEVATION: 699
 DRILLING METHOD: 3 1/2" H.S.A. BORING DEPTH: 60.0
 LOGGED BY: WRT WATER LEVEL: No Groundwater Encountered
 DRILLER: T. Oakes DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer

N 32.816
 W 85.132

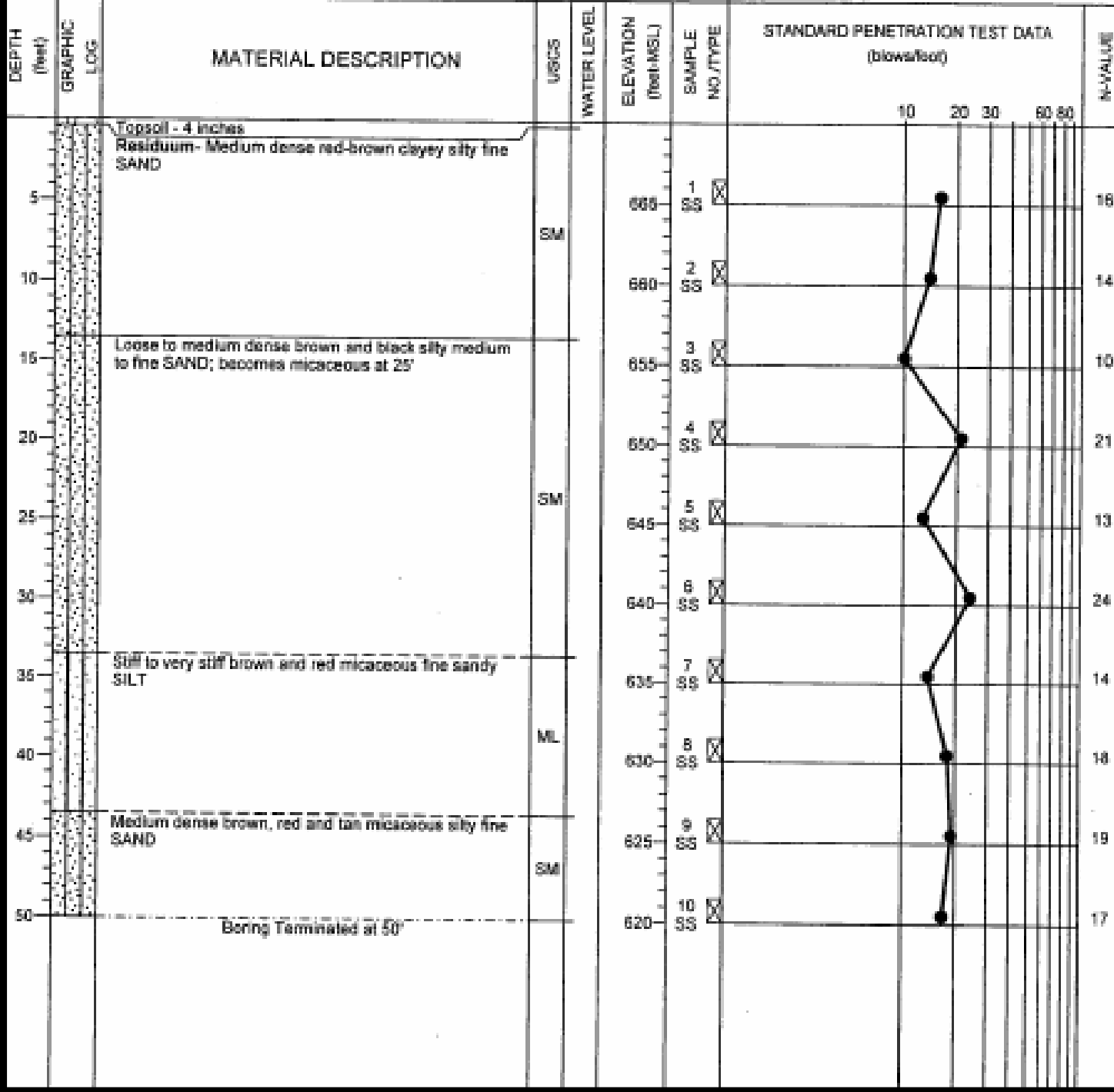
DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsail = 4 inches Residuum - Stiff to firm red-brown micaceous fine to medium sandy SILT										
5					685	1 SS						13
10					680	2 SS						6
15			ML		675	3 SS						8
20					670	4 SS						8
25					665	5 SS						6
30		Loose white and gray silty fine to medium SAND	SM		660	6 SS						8
35		Soft brown and black fine sandy SILT	ML		655	7 SS						4
40		Loose to medium dense brown to gray and white micaceous silty fine to medium SAND			650	8 SS						7
45					645	9 SS						14
50			SM		640	10 SS						14
55					635	11 SS						24
60		Partially Weathered Rock - Sampled as very dense white and gray silty coarse to fine SAND Boring terminated at 60 feet	SM		630	12 SS						50+ 2"

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG H-10.9

DATE DRILLED: 1/5/06 ELEVATION: 670
 DRILLING METHOD: 3 1/2" H.S.A. BORING DEPTH: 50.0
 LOGGED BY: WT WATER LEVEL: NGWE@TOB
 DRILLER: T. Oakes DRILL RIG: Mobile B-57

NOTES: N 32.923
 W 85.126
 Manual Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-103C

BORING LOG H-11.1

DATE DRILLED: 4/19/06
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: Adam

ELEVATION: 672
 BORING DEPTH: 45.0
 WATER LEVEL: GW 43' @ TOB
 DRILL RIG: GME-45

NOTES: Automatic Hammer
 N 32.923
 W 85.126

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE		
							10	20	30	60	80			
0 - 4	Topsoil = 4 inches	Residuum - Very stiff to stiff red-brown fine to medium sandy clayey SILT	MH		667	1 SS						10		
4 - 8						2 SS								17
8 - 10		Firm brown micaceous fine to medium sandy SILT	ML		662	3 SH						12		
10 - 12						4 SS								7
12 - 15						5 SH								8
15 - 20						6 SS								7
20 - 25			SM		647	7 SH						5		
25 - 30						8 SS								12
30 - 35		Medium dense to loose brown and tan silty fine to medium SAND				9 SS								12
35 - 40					632	10 SS						14		
40 - 45						11 SS								9
45		Boring terminated at 45 feet			627									

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183C

BORING LOG H.8-11.3

DATE DRILLED: 4/8/06	ELEVATION: 668	NOTES: Automatic Hammer N 32.824 W 05.127
DRILLING METHOD: 2W" H.S.A.	BORING DEPTH: 45.0	
LOGGED BY: WRT	WATER LEVEL: No Groundwater Encountered	
DRILLER: T. Hedges	DRILL RIG: CME-550X	

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
0		Topsoil - 4 inches			668							
0 - 35		Residuum - Loose to medium dense red-brown micaceous clayey medium to fine sandy SILT	ML		658	1 SH						
10					648	2 SH						
20					643							
30					638	3 SH						
35 - 45		Very stiff brown and yellow micaceous fine sandy SILT	MH		633							
40					628							
45		Very dense brown and gray silty medium to fine SAND	SM		623	4 SH						
Boring terminated at 50 feet												

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG I-11.3

DATE DRILLED: 1/5/08
 DRILLING METHOD: 2 1/2" H.S.A.
 LOGGED BY: WT
 DRILLER: T. Oakes

ELEVATION: 680
 BORING DEPTH: 50.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: Mobile B-67

NOTES: N 32.924
 W 85.127
 Manual Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	50	80	
0		Topsoil - 4 inches										
0-5		Residuum- Loose to medium dense red-brown micaceous clayey medium- to fine-sandy SILT	ML									
5					675	1 SS						24
10					670	2 SS						11
15					665	3 SS						9
20					660	4 SS						10
25					655	5 SS						18
30					650	6 SS						19
35		Very stiff brown and yellow micaceous fine sandy SILT	MH		645	7 SS						21
40					640	8 SS						23
45		Very dense brown and gray silty medium to fine SAND	SM		635	9 SS						68
50		Boring Terminated at 50'			630	10 SS						51

PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-85-183C

BORING LOG I.2-8

DATE DRILLED: 4/8/08
 DRILLING METHOD: 3 1/2" H.S.A.
 LOGGED BY: WRT
 DRILLER: T. Oakes

ELEVATION: 598
 BORING DEPTH: 15.0
 WATER LEVEL: 3.5'
 DRILL RIG: Diedrich D-50

NOTES: Automatic Hammer
 N 32.921
 W 85.130

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)	N-VALUE
0	Topsoil = 4 inches							
0 - 8	[Hatched pattern]	Residuum- Firm blue-gray clayey fine sandy SILT	MH	3.5'	591	1 SS	[Graph point at 7]	7
8 - 13	[Dotted pattern]	Dense brown and black micaceous silty fine to medium SAND	SM		588	2 SS	[Graph point at 38]	38
13 - 15	[Cross-hatched pattern]	Partially Weathered Rock- Sampled as very dense brown and black micaceous silty fine to medium SAND			581	3 SS	[Graph point at 50]	50
15		Auger refusal encountered at 15 feet						
		Boring offset 10 feet north and refused at 13-1/2 feet						

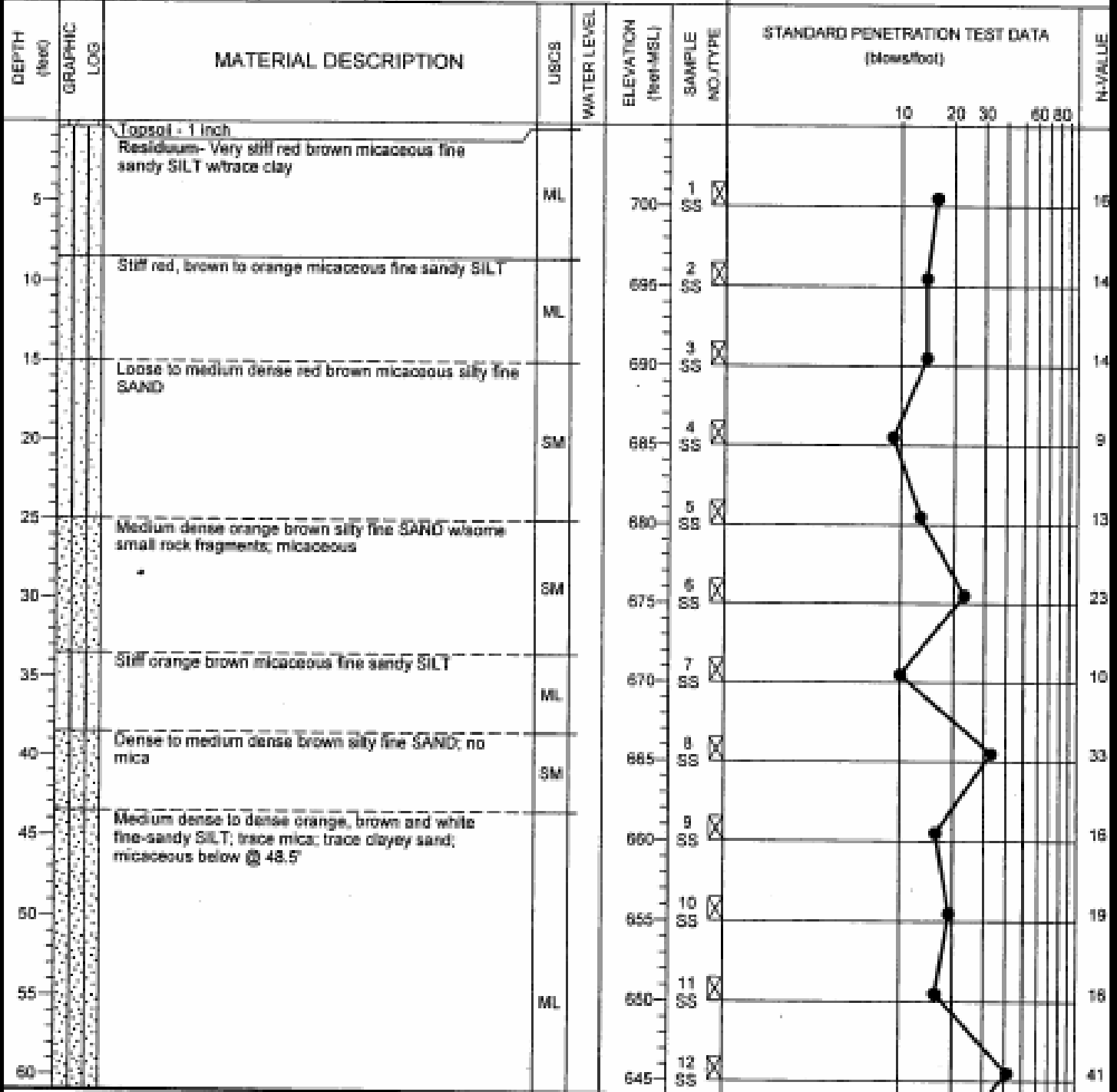
PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1881-05-183

BORING LOG I.6-3.6

DATE DRILLED: 1/7/06
 DRILLING METHOD: 3X" H.S.A.
 LOGGED BY: JB
 DRILLER: D. Hedges

ELEVATION: 705
 BORING DEPTH: 75.0
 WATER LEVEL: NGWE@TOB
 DRILL RIG: CME 550x

NOTES: N 32.916
 W 85.135
 Automatic Hammer



PROJECT: The Project
 PROJECT LOCATION: West Point Site
 PROJECT NO.: 1681-05-183

BORING LOG I.6-3.6

DATE DRILLED: 1/7/06 ELEVATION: 705
 DRILLING METHOD: 2 1/2" H.S.A. BORING DEPTH: 75.0
 LOGGED BY: JB WATER LEVEL: NGWB@TOB
 DRILLER: D. Hedges DRILL RIG: CME 550x

NOTES: N 32.916
 W 66.135
 Automatic Hammer

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	USCS	WATER LEVEL	ELEVATION (feet-MSL)	SAMPLE NO./TYPE	STANDARD PENETRATION TEST DATA (blows/foot)					N-VALUE
							10	20	30	60	80	
65		Medium dense to dense orange, brown and white fine-sandy SILT; trace mica; trace clayey sand; micaceous below @ 48.5' (continued)			640	13 SS						18
70		Very dense to dense orange, brown and white silty fine SAND; trace mica; trace clayey sand; micaceous below @ 48.5'	SM		635	14 SS						57
75		Boring Terminated at 75'			630	15 SS						56