

REVISIONS	BY

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INTERSTATE 89 NORTHBOUND  
WILLISTON INFORMATION CENTER  
SOIL BORINGS  
PROJECT # IM-BLDG(4)  
WILLISTON VERMONT

DRAWN  
CCE  
CHECKED  
PD  
SCALE  
NONE  
DATE  
01/16/01  
JOB NO.  
93114  
SHEET

C2nb  
OF 22 SHEETS

Boring Crew Chief <u>McGLYNN</u> Crew <u>WILLIS WARREN CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/22/95</u> Date Completed <u>11/27/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#1 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	18	52	53	R	Dry Brn
10	60	66	for 0.4	Dry	Brn
15	33	80			Dry gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si HP, Rec 0.8		A-4, Gr Sa Si w=12.9%			
Sa Si HP, Rec 0.7		A-4, Gr Sa Si w=9.1%			
Sa Si HP, Rec 1.0		A-4, Sa Si w=8.0%			
Hole stopped @ 16.0'					

Boring Crew Chief <u>WILLIS</u> Crew <u>WARREN KELLY CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/27/95</u> Date Completed <u>11/27/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#2 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	11	90	for 0.4	M	Brn
10	40	70	for 0.4	M	Brn
15	34	67			M Brn
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Sa Si, Rec 0.7		A-4, Gr Sa Si w=11.8%			
Gr Sa Si, Rec 0.8		A-4, Sa Si w=8.4%			
Sa Si HP, Rec 1.0		A-4, Sa Si w=10.0%			
Hole stopped @ 16.0'					

Boring Crew Chief <u>WILLIS</u> Crew <u>WARREN CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/30/95</u> Date Completed <u>11/30/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#3 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	27	52	for 0.3	Dry	Brn
10	38	71	for 0.3	Dry	Brn
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Si, Rec 1.0		A-4, Sa Si w=12.1%			
Sa Si HP, Rec 0.8		A-4, Sa Si w=6.3%			
Hole stopped @ 12.5' In Bo or Le.					

Boring Crew Chief <u>WILLIS</u> Crew <u>WARREN CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/28/95</u> Date Completed <u>11/28/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#4 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	17	100			M gr
10					
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Sa HP w/str., Rec 0.8		A-4, Sa Si w=4.9%			
Auger broke off @ 9.0 In very hard material. CNPF.					

Boring Crew Chief <u>WILLIS</u> Crew <u>WARREN CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/22/95</u> Date Completed <u>11/27/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#5 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	11	24	40	64	M Brn
10	40	60	for 0.3	Dry	Brn
15	25	80			Dry gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Sa, Rec 1.8		A-4, Sa Si w=11.3%			
Sa Si Gr HP, Rec 0.7		A-4, Gr Sa Si w=6.8%			
Sa Si Gr HP, Rec 1.0		A-4, Gr Sa Si w=6.4%			
Hole stopped @ 16.0'					

Boring Crew Chief <u>McGLYNN</u> Crew <u>WARREN</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/22/95</u> Date Completed <u>11/22/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#6 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	7	8	8	16	M Brn
10	18	57			M Brn
15	58	86			M gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Sa, Rec 2.0		A-4, Sa Si w=13.8%			
Si HP, Rec 0.7		A-4, Sa Si w=9.8%			
Si HP, Rec 0.5		A-2-4, Gr Sa Si w=9.5%			
Hole stopped @ 16.0'					

Boring Crew Chief <u>McGLYNN</u> Crew <u>WARREN</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/22/95</u> Date Completed <u>11/22/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#7 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	20	24	43	67	M Brn
10	50	103			R M gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si HP, Rec 1.0		A-4, Sa Si w=10.8%			
Si HP, Rec 1.3		A-4, Sa Si w=8.4%			
Hole stopped @ 16.0'					

Boring Crew Chief <u>WILLIS</u> Crew <u>KELLY</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>12/01/95</u> Date Completed <u>12/01/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#8 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	40	60	for 0.4	M	gr
10	100				R Dry Brn
15	42	48	for 0.4	Dry	gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Sa HP, Rec 0.8		A-2-4, Gr Sa Si w=11.1%			
Sa Si HP, Rec 0.4		A-4, Gr Sa Si w=11.5%			
Sa Si HP, Rec 0.6		A-4, Sa Gr Si w=10.1%			
Hole stopped @ 15.9'					

Boring Crew Chief <u>WILLIS</u> Crew <u>WARREN CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>12/04/95</u> Date Completed <u>12/04/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#9 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	21	44	45		M Brn
10	24	51	50	for 0.3	M Brn
15	30	40	60	for 0.1	Dry gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Sa, Rec 1.5		A-4, Sa Si w=11.0%			
Sa Si HP, Rec 0.9		A-4, Sa Si w=13.2%			
Si + soft loose rock		A-1-b, Sa Si Gr w=6.5%			
Hole stopped @ 16.1'					

Boring Crew Chief <u>WILLIS</u> Crew <u>WARREN CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/30/95</u> Date Completed <u>11/30/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#10 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	27	49	52		M Brn
10	100				for 0.2
15	25	73			Dry gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Sa HP, Rec 1.5		A-4, Sa Si w=8.6%			
No Rec.					
Sa Si HP, Rec 0.9		A-4, Sa Si w=13.4%			
Hole stopped @ 16.0'					

Boring Crew Chief <u>WILLIS</u> Crew <u>WARREN CHABOT</u>		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		Sheet <u>1</u> of <u>1</u> Date Started <u>11/30/95</u> Date Completed <u>11/30/95</u>	
PROJECT <u>WILLISTON REST AREA</u>		NO. <u>IRENGR(1)</u>		STRUCTURE IDENTIFICATION <u>NORTH BOUND</u>	
HOLE NO. <u>#11 NB</u>		GROUND EL. _____		G.W. EL. _____	
DEPTH BELOW GND. SUR.	BLOWS ON CASING	BLOWS ON SAMPLER	N.Bls./Ft.	MOISTURE	COLOR
0	6	12	6	12	18
5	16	55	57	for 0.2	M Brn
10	51	50	for 0.2	M	Brn
15	55	50	for 0.3	Dry	gr
FIELD IDENTIFICATION AND REMARKS		LABORATORY CLASSIFICATION OF SOIL			
Si Sa HP, Rec 1.0		A-4, Sa Si w=7.7%			
Sa Si HP, Rec 0.7		A-3, Sa w=12.3%			
Sa Si HP, Rec 0.6		A-1-b, Gr Sa Si w=7.1%			
Hole stopped @ 15.8'					

SEE SOIL BORING LOCATIONS ON NB-4