

CHAUTAUQUA COUNTY DEPARTMENT OF LAW

EDR

JUL 09 2015

RECEIVED

VINCENT W. HARRIGAN
County Executive
STEPHEN M. ABDELLA
County Attorney

July 6, 2015

Mr. John Wojcikiewicz
Environmental Design & Research
217 Montgomery Street, Suite 1000
Syracuse, New York 13202

Re: Freedom of Information Law Request dated June 10, 2015

Dear Mr. Wojcikiewicz:

This is in reply to your FOIL request dated June 10, 2015. You requested records pertaining to public or private groundwater wells (including location, construction logs, depths, and descriptions of encountered bedrock within the area), and other groundwater resources within the project area of the map you provided with your request.

Attached please find eleven (11) pages pursuant to your request. Please do not hesitate to contact me if you have any questions. Thank you.

NO DOCUMENTS WERE DENIED IN RESPONSE TO THIS REQUEST.

The Freedom of Information Law stipulates that certain information may be denied, however, the County is required to advise you of your rights to appeal such denials. If you are denied information and you choose to appeal such denial, you must do so in writing within 30 days of receipt of such denial. The appealing authority is Vincent W. Harrigan, County Executive, 3 N. Erie Street, Mayville, New York 14757. Your appeal must state the date of the denial, the information requested, the information denied, and the reason for the denial.

Very truly yours,

Deniese Buckingham
Legal Secretary

BE GENERALLY GIVEN
INSURANCE COVERAGE

EHMKE WELL DRILLERS

WATER • GAS • TEST BORINGS

INDUSTRIAL -- RESIDENTIAL

WELL SUPPLIES -- WATER SYSTEMS

WATER CONDITIONERS

104 MAIN STREET - SILVER CREEK, N. Y.

PHONE 934-2653

716 934-2653



Cockaigne Recreation Area
Water Supply Well at Main
Chalet (Austrian Pavilion)

September 23, 1965

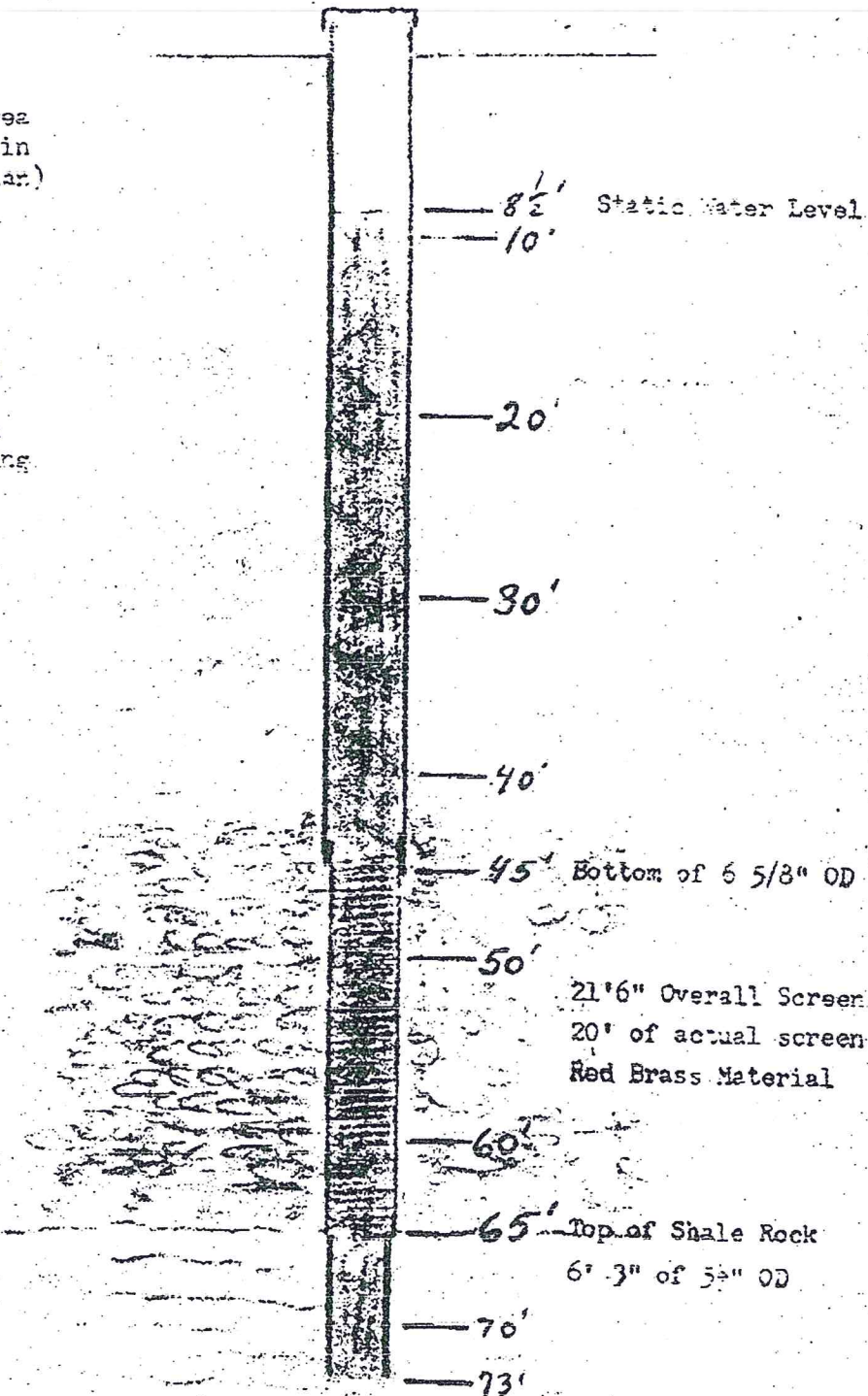
Driller-Leroy White

0-18" Top Soil & gravel

18"-43' Gravel and sand
Non Water Bearing

43'-65' Water Bearing
Gravel

65'-73' Shale Bed Rock





CHAUTAUQUA COUNTY
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH – ENVIRONMENTAL HEALTH UNIT

VINCENT W. HORRIGAN
County Executive

CHRISTINE SCHUYLER
*Director of Health & Human Services
(Commissioner of Social Services/Public Health Director)*

Public water supply wells in the Cassadaga Wind Project area:

Pine Acres Mobile Home Park – on east side of Rt 60, south of Nelson Rd-no well log

Cockaigne – closed ski area located on County Route 66 (Thornton Rd) north of County Route 85. See attached well log

The Grainery – closed restaurant across the street from Cockaigne – no well log

Woodside Campground – on east side of Griswold Rd , south of County Route 72 (Bard Rd) – have 3 wells, all about 70 ft deep – no well logs

Cherry Creek Village – borings drilled on Southside Ave near village boundary (west side of Village) – See attached well logs

Sinclairville Village – wells located along southern Village boundary – see attached well logs.



ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
 (716) 937-6527
SYRACUSE
 (315) 635-9818

HOLE NUMBER: MW 1-06

DATE: 4/26/06

ELEVATION

PROJECT Monitoring Well Installation

Cherry Creek, Chautauqua County, New York

PREPARED FOR: State University of New York at Fredonia - Dr. Michael Wilson

BORING LOCATION:

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION	WELL DETAIL	REMARKS
1	8						Moist, dark brown (SANDY-SILT) topsoil / fill with little to some very fine size sand, compact with roots	0.0	Topsoil / fill to 0.4 foot over sandy fill with some gravel to 2.0 feet over silty slack water sediment to 4.0 feet over water sorted and deposited coarse silt with some gravel to 9.5 feet over water sorted and deposited sand and gravel with little to some silt to 14.5 feet over coarse silty glacial drift to 16.0 feet over alternating silty and clayey lake sediment to 25.0 feet over clayey lake sediment to 34.0 feet over loamy glacial drift to 37.0 feet over water sorted and deposited gravel to 40.0 feet over clayey glacial drift to 44.0 feet over coarse silty glacial drift to 48.0 feet over silty tending toward clayey glacial till to 52.5 feet over shale rock to 57.7 feet over Shale Bedrock to end of coring
		7			11				
			4						
				5					
2	4						Moist, brown, gravelly (SILTY-SAND) fill with 20 to 40% gravel, very fine size sand, little silt, compact	2.0	
		4			9			2" PVC Riser Pipe	
			5						
				6					
3	5						Moist, faintly mottled, brown (CLAYEY-SILT) with 3 to 5% gravel, little clay, stiff, weakly thinly bedded	4.0	
		10			27				
			17						
				30					
4	8						Moist to extremely moist, faintly mottled, brown, gravelly (SANDY-SILT) with 20 to 40% gravel with occasional cobbles, little very fine size sand, little very fine size sand, compact, weakly thinly bedded		
		9			21				
			12						
				15					
5	4								
		9			19			Cement / Bentonite Grout	
			10						
				10					
6	8						Wet, brown, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine to coarse size sand, little to some silt, compact, stratified	9.5	
		9			19				
			10						
				10					
7	4								
		6			12				
			6						
				7					
8	9								
		15			31		Extremely moist, grayish brown, gravelly (SANDY-SILT) with 15 to 30% gravel, little very fine size sand, dense, weakly thinly bedded	14.8	
			16						
				21					
9	15						Extremely moist, gray, alternating (SILT) and (CLAYEY-SILT) compact to loose and very stiff to firm, thinly bedded and thinly laminated	18.0	
		11			19				
			8						
				9					
10	5								
		3			7				
			4						
				5					

LOGGED BY Dale M. Gramza / Senior Geologist

SHEET 1 OF 4

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HOLE NUMBER: MW 1-06

DATE: 4/26/06

ELEVATION _____

PROJECT _____

Monitoring Well Installation

Cherry Creek, Chautauqua County, New York

PREPARED FOR: _____

State University of New York at Fredonia - Dr. Michael Wilson

BORING LOCATION: _____

SN	0/ 6	6/ 12	12/ 18	18/ 24	N	LITH	DESCRIPTION	WELL DETAIL	REMARKS
11	5					[Stippled pattern]	Extremely moist, gray, alternating (SILT) and (CLAYEY-SILT) loose and stiff, thinly bedded and thinly laminated		
		4			10				
			6						
				7					
12	5					[Stippled pattern]			2" PVC Riser
		3			8				
			5						
				4					
13	3					[Stippled pattern]			Cement / Bentonite Grout
		4			9				
			5						
				6					
14	4					[Stippled pattern]			
		3			8				
			5						
				4					
15	1					[Stippled pattern]			
		3			7				
			4						
				6					
16	16					[Stippled pattern]			
		7			15				
			8						
				13					
17	7					[Stippled pattern]			
		6			13				
			7						
				10					
18	15					[Stippled pattern]			
		12			21				
			9						
				9					
19	10					[Stippled pattern]			
		12			25				
			13						
				13					
20	38					[Large dots pattern]	Wet, olive gray (GRAVEL) with 70 to 80 % subangular to subrounded gravel, compact in place, stratified		
		50/5"			>50				

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HOLE NUMBER: MW 1-06

DATE: 4/26/06

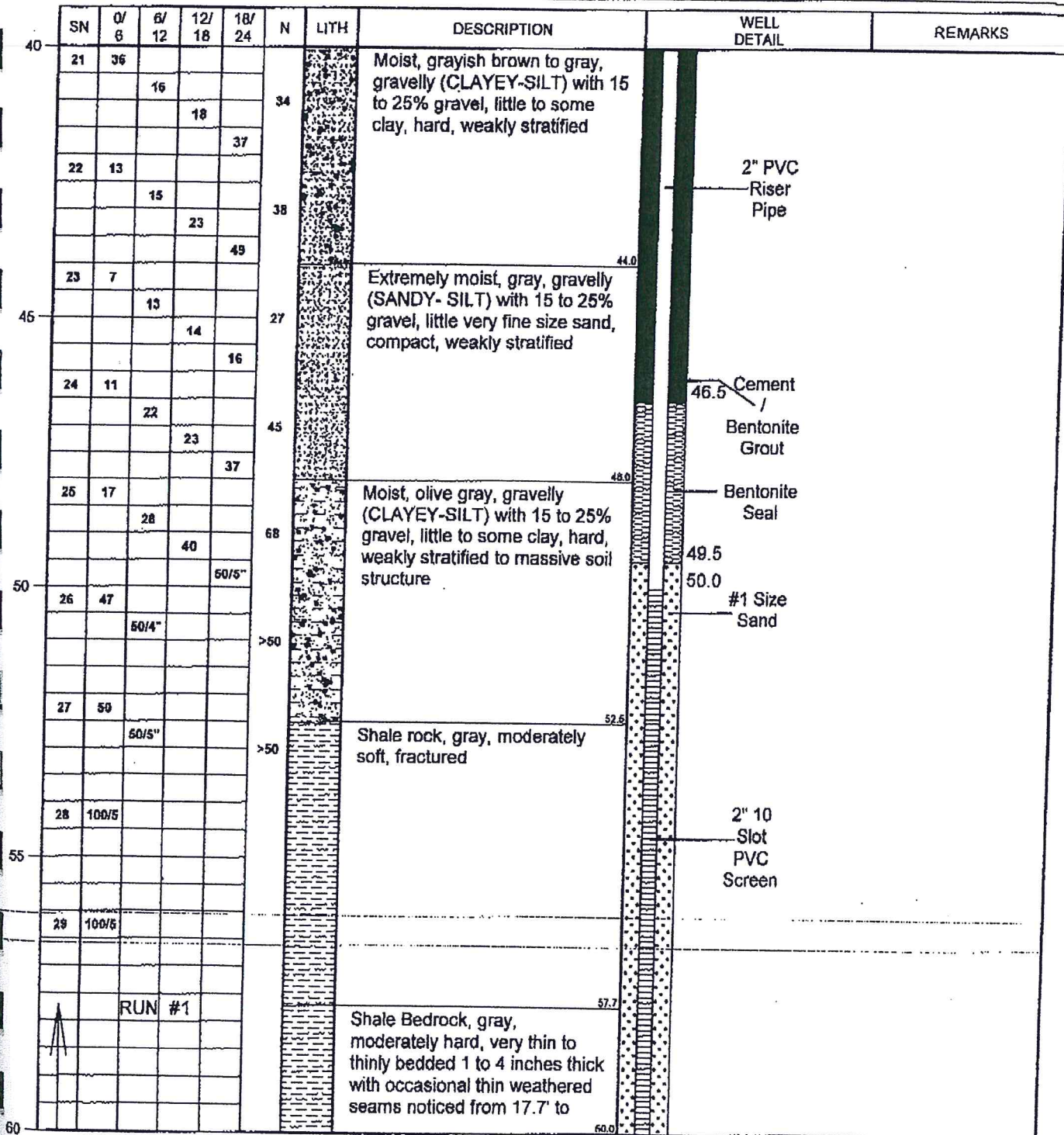
ELEVATION

PROJECT Monitoring Well Installation

Cherry Creek, Chautauqua County, New York

PREPARED FOR: State University of New York at Fredonia - Dr. Michael Wilson

BORING LOCATION:



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Dale M. Gramza / Senior Geologist

SHEET 3 OF 4



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HOLE NUMBER: MW 1-06

DATE: 4/26/06 ELEVATION

PROJECT Monitoring Well Installation

Cherry Creek, Chautauqua County, New York

PREPARED FOR: State University of New York at Fredonia - Dr. Michael Wilson

BORING LOCATION:

SN	0/ 6	6/ 12	12/ 18	18/ 24	N	LITH	DESCRIPTION	WELL DETAIL	REMARKS																									
							20.7' Shale Bedrock, gray, moderately hard, very thin to thinly bedded 1 to 4 inches thick																											
							Rock Coring Completed at 65.0 feet		Well Installation Completed at 65.0 feet BGS																									
							<p align="center">CORE DATA</p> <table border="1"> <thead> <tr> <th>RUN #</th> <th>Int. (ft)</th> <th>Length (ft)</th> <th>Rec. (ft)</th> <th>Rec. %</th> <th>RQD %</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>57.7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>to</td> <td>7.3</td> <td>7.0</td> <td>96</td> <td>30</td> </tr> <tr> <td></td> <td></td> <td>65.0</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				RUN #	Int. (ft)	Length (ft)	Rec. (ft)	Rec. %	RQD %	1	57.7						to	7.3	7.0	96	30			65.0			
RUN #	Int. (ft)	Length (ft)	Rec. (ft)	Rec. %	RQD %																													
1	57.7																																	
	to	7.3	7.0	96	30																													
		65.0																																

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SHEET 4 OF 4

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SYRACUSE
 (315) 635-9818

HOLE NUMBER: MW 2-06

DATE: 5/01-5/02

ELEVATION

PROJECT

Monitoring Well Installation

Cherry Creek, Chautauqua County, New York

PREPARED FOR:

State University of New York at Fredonia - Dr. Michael Wilson

BORING LOCATION:

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION	WELL DETAIL	REMARKS
1	6				13		Moist, dark brown (SANDY-SILT) topsoil / fill with little very fine size sand	0.0 Cement / Bentonite Grout	Topsoil / fill to 0.5 foot over coarse silty fill with some gravel to 2.0 feet
2	5				22		Moist, distinctly mottled, brown, gravelly (SANDY-SILT) fill with 20 to 40% gravel, little very fine size sand, compact	2" PVC Riser Pipe	over silty slack water sediment with trace sand to 5.0 feet over water sorted and deposited coarse silty with little gravel to 10.0 feet over water sorted and deposited sand and gravel to 15.5 feet over silty slack water sediment to 18.0 feet
3	10				24		Extremely moist, distinctly mottled, brown (SILT) with trace very fine size sand, thinly bedded	1" PVC Riser Pipe	over alternating silt and clayey lake sediment to 23.0 feet over clayey lake sediment to 28.5 feet over water sorted and deposited sand with some gravel to 31.5 feet over clayey lake sediment to 34.0 feet over water sorted and deposited sand and gravel with little silt to 58.0 feet over clayey glacial till to end of boring
4	4				22		Moist, faintly mottled, brown, gravelly (SANDY-SILT) with 15 to 25% gravel, little very fine size sand, compact, weakly thinly bedded	6.0	
5	10				27			Bentonite Seal	
6	4				16		Wet, brown, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine size sand, little to some silt, compact, weakly stratified	9.0 #1 Size Sand	
7	10				30			10.5 1" 10 Slot PVC Screen	
8	14				18			15.5	
9	9				14		Wet, brown to grayish brown (SILT) with trace clay, compact, thinly bedded with thin (CLAYEY-SILT) lenses	16.0 1" Well Installation Completed at 15.5'	
10	7				16		Extremely moist, gray, alternating (SILT) with trace very fine size sand and (CLAYEY-SILT) with some clay, thinly bedded and thinly	Bentonite Seal	

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DATE: 5/01-5/02

PROJECT: Monitoring Well Installation

Cherry Creek, Chautauqua County, New York

PREPARED FOR: State University of New York at Fredonia - Dr. Michael Wilson

BORING LOCATION: _____

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION	WELL DETAIL	REMARKS
11	3				9	[Lithology pattern]	laminated compact and very stiff Extremely moist, gray, alternating (SILT) with trace very fine size sand and (CLAYEY-SILT) with some clay, thinly bedded and thinly laminated loose and stiff	2" PVC Riser Pipe	
		4							
			5						
12	1				7				
		3							
			4			[Lithology pattern]	Wet, gray (CLAYEY-SILT) with some clay, firm, thinly laminated with very thin coarse silt lenses	Bentonite Seal	
				5					
		2							
13	2				5				
			3						
				4		[Lithology pattern]	Wet, brown (SILTY-SAND) with very fine size sand, compact, thinly bedded		
				8					
		3							
14	2				8				
			5						
				9		[Lithology pattern]	Wet, brown, gravelly (SILTY-SAND) with 20 to 40% gravel, very fine to fine size sand, little silt, compact, stratified	#1 Size Sand	
				16					
		7							
15	5				16				
			9						
				11		[Lithology pattern]	Extremely Moist, brown (CLAYEY-SILT) with some clay, stiff, thinly laminated with very thin coarse silt lenses and thin wet (SILTY-SAND) layers		
				11					
		5							
16	1				11				
			6						
				3		[Lithology pattern]	Wet, brown, very gravelly (SILTY-SAND) with 40 to 50% gravel, very fine to fine size sand, little silt, dense, stratified	2" 10 Slot PVC Screen	
				8					
		3							
17	1				8				
			5						
				7		[Lithology pattern]			
				37					
		18							
18	10				37				
			19						
				12		[Lithology pattern]			
				32					
				15					
19	18				32				
		19							
				15		[Lithology pattern]			
				32					
				15					
20	18				32				
		17							
				16					

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SHEET 2 OF 4

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ELEVATION

PROJECT Monitoring Well Installation
 Cherry Creek, Chautauqua County, New York

PREPARED FOR: State University of New York at Fredonia - Dr. Michael Wilson

BORING LOCATION:

SN	0/ 6	6/ 12	12/ 18	18/ 24	N	LITH	DESCRIPTION	WELL DETAIL	REMARKS
31	19				65		Moist, gray to grayish brown, gravelly (CLAYEY-SILT) with 15 to 30% gravel, some clay, hard, massive soil structure		2" Well Installation Completed at 60.0 feet
		28							
			36						
				58					
							Boring Completed at 62.0 feet BGS		
								62.0	

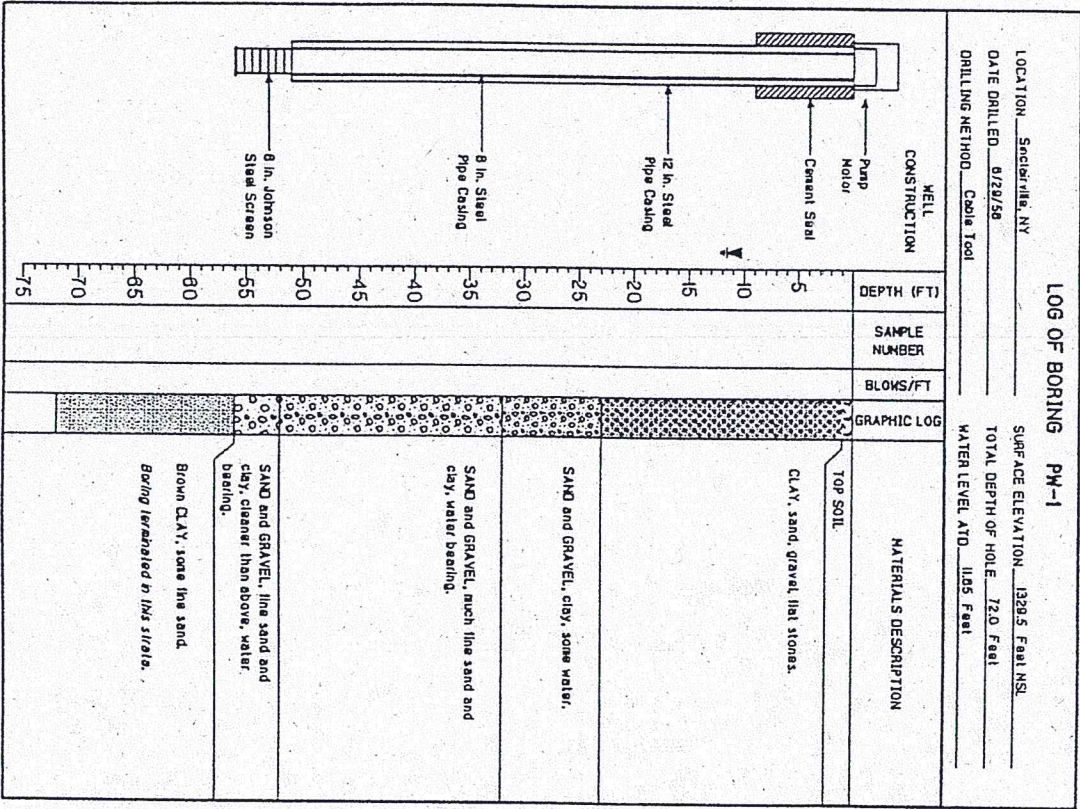


Figure H.3

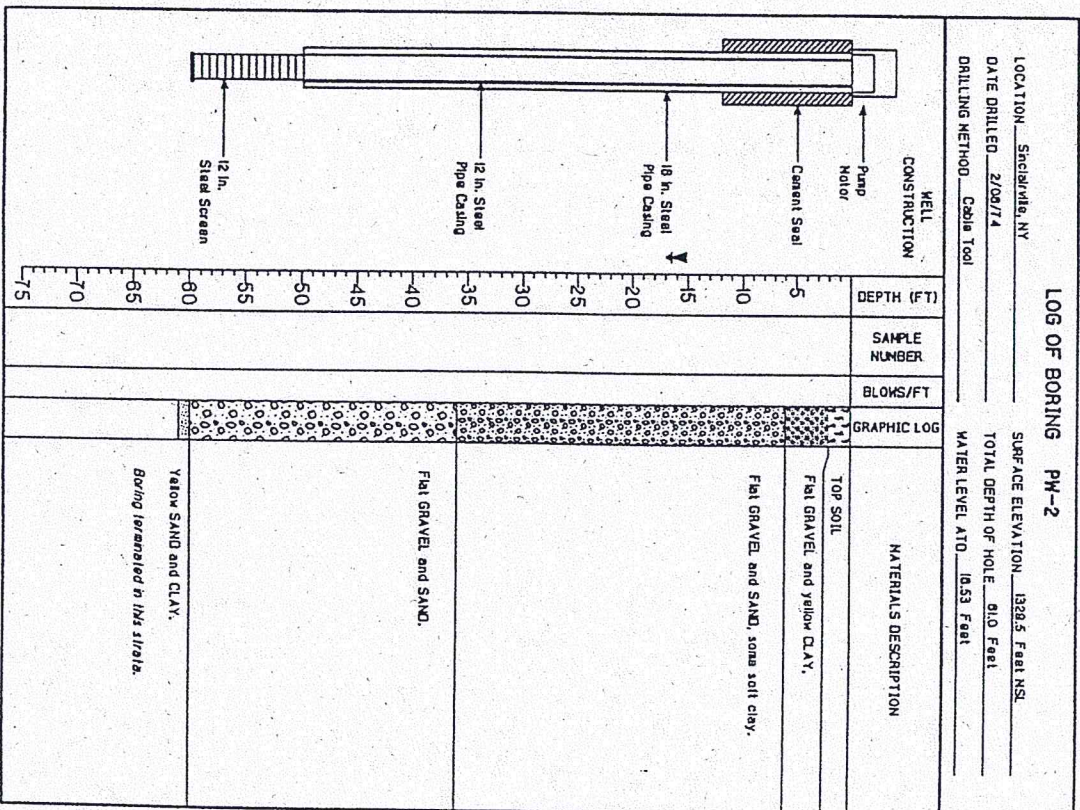


Figure H.4