# APPENDIX E

1159 Pittsford-Victor Road, Suite 200, Pittsford, NY 14534 (585) 387-0510

Project Name & Location	Project No.		Water	· Level(s)		Site Elevation Datum (feet)	
Former Raeco Products Site	21427		(ft below top o	(ft below top of 4" steel casing)			
Drilling Company	Foreman		, , , , , , , , , , , , , , , , , , ,			Ground Elevation (feet)	
Nothnagle Drilling Inc.	Steve L.		Date	(feet)	(feet)	NA	
Surveyor				, ,	. ,	Top of Flush Mount Well Vault Elevation (feet)	
Larsen Engineers						481.51	
Date and Time of Completion	Geologist					Top of 2" PVC Riser Pipe Elevation (feet)	
16-May-05	Jeremy W	olf - ERM				481.25	
				C	ONSTRU	CTION DETAILS	
Generalized Description	*Elevation	**Depth			FUNCH	MOUNT STEEL WELL VAULT	
	Lievation	<u> </u>			1100111	MOONT STEEL WELL VAOLT	
See boring log for MW-1DD for full details.							
ior fun details.	481.51	0.0				GROUND SURFACE	
Top of 2" PVC Riser	481.25	0.26	·│╎╻			TIGHT CAP WITH LOCK	
Top of Bentonite-Cement	480.51	1.0			< CEMEN	T PAD	
Grout							
				1	— OUTER	6" STEEL CASING	
Begin Rock Socket (Top of	473.51	8.0					
Weathered Rock)					< BENTO	NITE-CEMENT GROUT	
,							
Top of Competent Rock	468.51	13.0					
End Rock Socket	465.51	16.0					
	- 100.01	- 10.0					
					ININED	4" STEEL CASING	
					- INNER-	i STEEL CASING	
	10 ( 51	15.0					
Bottom of 4" Steel Casing	436.51	45.0					
	100 T			•	PVC Ris	er (2")	
Top of Choke Sand (Type #00)	429.51	52.0					
Top of Sand Pack (Type #1)	428.51	53.0				SAND (Morie Type #00)	
Top of PVC Screen	426.51	55.0			< SAND P	ACK (Morie Type #1)	
				-	- WELL S		
						SLOT SIZE: <u>0.010</u>	
						DIAMETER: <u>2 inch</u>	
						MATERIAL: Wire wrapped PVC	
Bottom of PVC Screen	406.51	75.0		-	- BOTTOM	M CAP (PVC)	
					< BEDROG	CK	
REMARKS	61/4" Holle	ow Stem At	uger to 13' bgs. 7	7/8" ro	ller bit 13' -	- 16' bgs.	
-	57/8 roller bit 16' - 36' bgs. NX core followed by 57/8" roller bit 36' to 45' bgs.						
	NX core followed by 3 7/8" roller bit 45' - 75' bgs.						
* Vertical information referenced	to NGVD'29.		** Depth in f	eet belo	w ground	surface (bgs).	

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Project Name & Location	Project No.		Water	r Level(s)		Site Elevation Datum (feet)	
Former Raeco Products Site	21427		(ft below top of 4" steel casing)				
Drilling Company	Foreman					Ground Elevation (feet)	
Nothnagle Drilling Inc.	Steve L.		Date	(feet)	(feet)	NA	
Surveyor						Top of Flush Mount Well Vault Elevation (feet)	
Larsen Engineers						480.07	
Date and Time of Completion	Geologist					Top of 4" Steel Riser Pipe Elevation (feet)	
11-May-05	Jeremy W	olf - ERM				479.85	
				C	ONSTRU	CTION DETAILS	
Generalized Description	*Elevation	<u>**Depth</u>				MOUNT STEEL WELL VAULT	
	Lievation	<u></u>			120011		
See boring log for MW-2DD for full details.							
for full details.	480.07	0.0				GROUND SURFACE	
		_ 0.0 _				ekound summer	
Top of 4" inner steel casing	479.85	0.22		┓╋	— WATER	TIGHT CAP WITH LOCK	
Top of Bentonite-Cement	479.07	1.0			< CEMEN	T PAD	
Grout	_						
					— OUTER	6" STEEL CASING	
Begin Rock Socket (Top of	467.07	13.0					
Weathered Rock)					< BENTO	NITE-CEMENT GROUT	
,							
Top of Competent Rock	466.07	14.0					
End Rock Socket	464.07	14.0					
Lift ROCK SOCKET	- 404.07	- 10.0					
						ALCTER CACING	
					— INNEK 4	4" STEEL CASING	
Top of Open Borehole	425.07	55.0					
				<	BEDRO	CK	
Bottom of Open Borehole	400.07	80.0					
RFMARKS	61/4" Holl	ow Stem A	uger to 14' has 7	7/8" ro	oller bit 14'.	- 16' bos	
REMARKS 6 1/4" Hollow Stem Auger to 14' bgs. 7 7/8" roller bit 14' - 16' bgs. 5 7/8 roller bit 16' - 46' bgs. NX core followed by 5 7/8" roller bit 46' to 55' bgs.							
NX core followed by 3 7/8" roller bit 55' - 80' bgs.							
***		-			-		
Vertical information referenced	to NGVD'29.		** Depth in I	teet belo	ow ground	surface (bgs).	

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Project Name & Location	Project No.		Wate	er Level(s)		Site Elevation Datum (feet)	
Former Raeco Products Site	21427		(ft below top	(ft below top of 4" steel casing)			
Drilling Company	Foreman					Ground Elevation (feet)	
Nothnagle Drilling Inc.	Steve L.		Date	(feet)	(feet)	NA	
Surveyor						Top of Flush Mount Well Vault Elevation (feet)	
Larsen Engineers						480.84	
Date and Time of Completion	Geologist					Top of 4" Steel Riser Pipe Elevation (feet)	
12-May-05	Jeremy W	olf - ERM				480.57	
				<u>C(</u>	ONSTRU	ICTION DETAILS	
Generalized Description	*Elevation	**Depth			FLUSH	MOUNT STEEL WELL VAULT	
See boring log for MW-3DD					_		
for full details.							
	480.84	0.0				GROUND SURFACE	
				<u> </u>			
Top of 4" inner steel casing	480.57	0.27				TIGHT CAP WITH LOCK	
Top of Bentonite-Cement	479.84	1.0			< CEMEN	T PAD	
Grout							
					— OUTER	6" STEEL CASING	
Begin Rock Socket (Top of	462.84	18.0					
Weathered Rock)					< BENTOI	NITE-CEMENT GROUT	
Weddhered Rock)					DENTO		
Top of Competent Rock	457.84	23.0					
End Rock Socket	455.84	25.0					
Lift ROCK SOCKET							
						ALCTER CACING	
					— IININEK 4	4" STEEL CASING	
Top of Open Borehole	425.84	55.0					
				<	BEDRO	CK	
Bottom of Open Borehole	405.84	75.0					
*							
DEMADIZO	61/ <i>4</i>    TT_11	our Charry A	1000 to 1011 1	77/0"	llor h: 10	25' bas	
KEMARKS			uger to 18' bgs. 2			0	
5 7/8 roller bit 25' - 46' bgs. NX core followed by 5 7/8" roller bit 46' - 55' bgs.							
NX core followed by 3 7/8" roller bit 55' - 75' bgs.							
* Vertical information referenced	to NGVD'29.		** Depth in	feet belo	w ground	surface (bgs).	

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Project Name & Location	Project No.		Water	Level(s)		Site Elevation Datum (feet)	
Former Raeco Products Site	21427		(ft below top of 4" steel casing)				
Drilling Company	Foreman			Level		Ground Elevation (feet)	
Nothnagle Drilling Inc.	Steve L.		Date	(feet)	(feet)	NA	
Surveyor						Top of 4" Steel Riser Elevation (feet)	
Larsen Engineers						485.46	
Date and Time of Completion	Geologist					Top of Cement Pad Elevation (feet)	
11-May-05	Jeremy W	olf - ERM				482.94	
				<u>C(</u>	ONSTRU	CTION DETAILS	
Generalized Description	*Elevation	<u>**Depth</u>					
See boring log for MW-4D for full details.	485.46	-2.5		┓	WATER TIC	SHT CAP WITH LOCK	
				-	4" STEEL KI	SER	
Top of Cement Pad	482.94	0.0				GROUND SURFACE	
Top of Bentonite-Cement Grout	481.94	1.0			< CEMEN		
Begin Rock Socket (Top of Weathered Rock)	462.94	20.0				EL CASING NITE-CEMENT GROUT	
Top of Competent Rock	461.94	21.0					
End Rock Socket (Top of	459.94	23.0					
open borehole)							
				<	BEDROO	СК	
Bottom of Open Borehole	437.94	45.0	_				
REMARKS	4 1/4" Holl	ow Stem Aı	1ger to 20' bgs. 5	7/8" ro	ller bit 20' ·	- 23' bgs.	
	37/8 roller	bit 23' - 45'	bgs.				
* Vertical information referenced to NGVD'29.							

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Project Name & Location	Project No.		Water Level(s)			Site Elevation Datum (feet)
Former Raeco Products Site	21427		(ft below top of 4" steel casing)			
Drilling Company	Foreman			Level	Elevation	Ground Elevation (feet)
Nothnagle Drilling Inc.	Steve L.		Date	(feet)	(feet)	NA
Surveyor						Top of 4" Steel Riser Elevation (feet)
Larsen Engineers						485.20
Date and Time of Completion	Geologist					Top of Cement Pad Elevation (feet)
16-May-05	Jeremy W	olf - ERM				482.76
				C	ONSTRU	ICTION DETAILS
Generalized Description	*Elevation	<u>**Depth</u>				
See boring log for MW-4DD	485.20	-2.4		_	WATER TIC	GHT CAP WITH LOCK
for full details.						
				-	4" STEEL RI	SEK
Top of Cement Pad	482.76	0.0				GROUND SURFACE
r si comoni i uu						
					< CEMEN	T PAD
Top of Bentonite-Cement	481.76	1.0				
Grout						
				¥	— OUTER	6" STEEL CASING
Begin Rock Socket (Top of	467.76	15.0				
Weathered Rock)					< BENTO	NITE-CEMENT GROUT
,						
Top of Competent Rock	466.76	16.0				
End Rock Socket	464.76	18.0				
Line nock socket	404.70	- 10.0		I		
					ININED	4" STEEL CASING
						4 STEEL CASING
	41.4 176	(0.0				
Top of Open Borehole	414.76	68.0				
				<	BEDRO	CK
Bottom of Open Borehole	392.76	90.0				
REMARKS	61/4" Holl	ow Stem A	uger to 15' bgs.	. 7 7/8" rc	ller bit 15' ·	- 18' bgs.
NX core followed by 5 7/8 roller bit 18' - 68' bgs. NX core followed by 3 7/8" roller bit 68' - 90' bgs.						
* Vertical information referenced	to NGVD'29.		** Depth iı	n feet belo	w ground	surface (bgs).

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Project Name & Location	Project No.		Wate	er Level(s)		Site Elevation Datum (feet)
Former Raeco Products Site	21427		(ft below top of 4" steel casing)			
Drilling Company	Foreman			Level	Elevation	Ground Elevation (feet)
Parratt Wolff Inc.	Layne Pec	h	Date	(feet)	(feet)	NA
Surveyor						Top of Flush Mount Well Vault Elevation (feet)
Larsen Engineers						483.50
Date and Time of Completion	Geologist					Top of 2" PVC Riser Pipe Elevation (feet)
02-Aug-06	Jeremy W	olf - ERM				482.85
				<u>C(</u>	ONSTRU	CTION DETAILS
Generalized Description	*Elevation	<u>**Depth</u>			FLUSH	MOUNT STEEL WELL VAULT
See boring log for MW-5D						
for full details.						
	483.50	0.0				GROUND SURFACE
Top of 2" PVC Riser	482.85	0.65		]•	— WATER	TIGHT CAP WITH LOCK
Top of Bentonite-Cement	481.50	2.0			< CEMEN	ΤΡΑΠ
Grout					CEIVIER	
Giout						
					< BENTO	NITE-CEMENT GROUT
				-	-PVC Ris	er (2")
Top of Bentonite Seal	458.50	25.0				
					< BENTO	NITE SEAL
Top of Choke Sand (Type #00)	456.50	27.0				
Top of Sand Pack (Type #1)	455.50	28.0			< CHOKE	SAND (Morie Type #00)
Top of PVC Screen	453.50	30.0			< SAND P	ACK (Morie Type #1)
				-	- WELL S	
						SLOT SIZE: 0.010
						DIAMETER: 2 inch
						MATERIAL: <u>Wire wrapped PVC</u>
				_		
Bottom of PVC Screen	443.50	40.0		-	BOTTON	M CAP (PVC)
REMARKS	6 1/4" Holl	ow Stem A	uger to 49' bgs, l	bedrock	not encoun	tered.
	,		0			
* Vertical information referenced	to NCVD'20		** Donth in	foot bols	w around	surface (bgs).
veracai muormanon referenceu	10 110 10 29		Depuilli	ICCI DEIC	m ground	surrace (bgs).

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Project Name & Location	Project No.		Wat	ter Level(s)		Site Elevation Datum (feet)			
Former Raeco Products Site	21427		(ft below top of 4" steel casing)						
Drilling Company	Foreman					Ground Elevation (feet)			
Parratt Wolff Inc.	Layne Pec	h	Date	(feet)	(feet)	NA			
Surveyor						Top of Flush Mount Well Vault Elevation (feet)			
Larsen Engineers						484.13			
Date and Time of Completion	Geologist					Top of 4" Steel Riser Pipe Elevation (feet)			
07-Aug-06	Jeremy W	olf - ERM				483.54			
				CONSTRUCTION DETAILS					
Generalized Description	*Elevation	**Depth			FUUSH	MOUNT STEEL WELL VAULT			
	Lievation	<u></u>			120011				
See boring log for MW-6D for full details.									
ior run details.	484.13	0.0				GROUND SURFACE			
Top of 4" inner steel casing	483.54	0.59			— WATER	TIGHT CAP WITH LOCK			
Top of Bentonite-Cement	483.13	1.0			< CEMEN	IT PAD			
Grout									
					— 4" STFF	L CASING			
Begin Rock Socket (Top of	438.73	45.4			1 OILL				
Weathered Rock)					< RENITO	NITE-CEMENT GROUT			
weathered ROCK)					DEINIO	NHE-CEIVIENT GROUT			
Tan al Camarta I D 1	407 10	47.0							
Top of Competent Rock	437.13	47.0							
End Rock Socket (Top of	434.63	49.5							
open borehole)									
				<	BEDRO	СК			
Bottom of Open Borehole	426.73	57.4							
REMARKS	31/4" Holl	ow Stem A1	1ger (HSA) to 4	45' bgs. B	lind drill w	rith 6 1/4" HSA 0' to 47' bgs.			
REMARKS 3 1/4" Hollow Stem Auger (HSA) to 45' bgs. Blind drill with 6 1/4" HSA 0' to 47' bgs.   5 7/8" roller bit 47' - 49.5' bgs. HQ core 49.5' - 57.4' bgs.									
	21, 3 10110								
			44 D -1 -	<i>с</i> . 1 . 1					
Vertical information referenced	to NGVD'29.		** Depth in	n teet belo	w ground	surface (bgs).			