

May 1, 2025 Refer to OP-4767

Ms. Megan Kuczka New York State Department of Environmental Conservation, Region 9 700 Delaware Avenue Buffalo, New York 14209

Subject:

Operation and Maintenance Work Plan

Union Road Site, Erie County, Cheektowaga, NY Inactive Hazardous Waste Disposal Site No. 915128

Dear Ms. Kuczka:

On behalf of American Premier Underwriters, Inc. (APU), Unicorn Management Consultants, LLC (UMC) hereby submits this Operation and Maintenance Work Plan for the subject site.

If you have any questions regarding this work plan, please call me at 203-205-9000, ext. 13.

Sincerely,

Unicorn Management Consultants, LLC

Michael J. O'Connor, LEP, P.G. Manager of Environmental Projects

my o'en

Union Road Remediation Project

Attachments

cc:

M. Cioffi

L. Lackner (w/o attachment)

M. Hill, Esq.



OPERATION AND MAINTANENCE WORK PLAN

UNION ROAD SITE TOWN OF CHEEKTOWAGA ERIE COUNTY, NEW YORK (SITE REGISTRY NO. 9-15-128)

Prepared for:

AMERICAN PREMIER UNDERWRITERS, INC.
One East Fourth Street
Cincinnati, Ohio 45202

Prepared by:

UNICORN MANAGEMENT CONSULTANTS, LLC 52 Federal Road, Suite 2C Danbury, CT 06810

May 1, 2025



DOCUMENT AUTHORIZATION FORM

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AUTHORIZATION:

Michael J. O'Connor, LEP, PG. Environmental Project Geologist Date



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Figure 1 Site Locus Map Figure 2 Site Features Map

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1. INTRODUCTION

Unicorn Management Consultants, LLC (UMC), prepared this Operation and Maintenance (O&M) Work Plan on behalf of American Premier Underwriters, Inc. (APU), for the Union Road Site located in Cheektowaga, Erie County, New York (Site). The Site is identified as New York State Department of Environmental Conservation (NYSDEC) Site Registry Number 9-15-128. **Figure 1** is a locus plan depicting the Site property boundaries and the boundaries/usage of vicinity properties. **Figure 2** depicts the Site features along with the monitoring well network.

2. PURPOSE

The purpose of this O&M Work Plan is to address maintenance concerns identified by UMC and the NYSDEC. Some of these maintenance concerns were identified in the NYSDEC Periodic Review Report (PRR) Response Letter sent to UMC by the NYSDEC on March 4, 2025. Other concerns were identified during the 2024 Site Walk conducted by UMC on June 4, 2024 and the 1Q25 Discharge Sampling Event on February 26, 2025. All Site-related maintenance in this work plan was drafted in accordance with the DER-10, as well as the Site Health and Safety Plan (HASP) as per the Site's Operation and Maintenance Plan. The specific Site-related maintenance items are listed and described in the following sections.

3. WORK PLAN TASKS

The tasks proposed to be completed during O&M activities are listed as follows:

- Task 1: Sump Pit Evaluation, Maintenance and Operation.
- Task 2: Well Network Evaluation and Maintenance.
- Task 3: Fence Repair.
- Task 4: Fill Gopher Holes and Repair Gabion Baskets.

4. WORK PLAN STRATEGY

The following sections detail the scope of work proposed in this Work Plan, broken down into the four Work Plan Tasks introduced in the previous section.

4.1 Task 1: Sump Pit Evaluation, Maintenance and Operation

Between November 2024 and March 2025, UMC observed a below-average pumping flow rate and received repeated pump stop alarm notifications due to the water level in the sump getting too high, triggering an alarm that causes the system to turn off. UMC mobilized to the Site in March 2025 to conduct the 1Q25 Discharge Sampling Event. Upon sampling, UMC observed that debris (leaves, sticks, sediment, etc.) was accumulating on the bottom of the sump pit with suspected impact to the flowmeter and both sump pumps. It is unknown at this time how the debris entered the sump pit causing the flowmeter and sump pumps to be clogged with debris, and ultimately lowering the pump rate slower than the rate of water entering the sump pit that discharges to the Buffalo Sewer Authority (BSA) via permit. The flowmeter and sump pumps were inspected by UMC and Danforth (plumbing, electrical, mechanical, etc. services) on March 25 – 28, 2025, to confirm the flowmeter and pumps were filled with sediment and debris. To remain in compliance with the BSA's Discharge Permit, UMC proposes the following maintenance items to address the aforementioned issues with the sump pit.

• Vacuum extract the sediment from the sump pit.



- This task will be performed during the May 5-16, 2025, proposed maintenance work.
- O UMC proposes to monitor debris accumulation rates and the potential need to take measures to minimize debris entering the sump by monitoring the sump pit debris accumulation quarterly, for at least on year, during the Buffalo Sewer Authority Permit required sampling events with the results of the evaluation and future recommendations presented in the next PRR. If necessary, the vacuum extraction of the debris will be conducted as part of the annual inspection activities, or on a more or less frequent basis (depending on evaluation), going forward.
- Replace the flowmeter with less or no internal mechanical parts. Please note that the
 specific make and model is currently being evaluated and a Work Plan addendum will be
 submitted to the NYSDEC for approval prior to ordering and installation.
- Replace the two sump pumps with modern equipment to improve pump rates. Please note that the specific make and model is currently being evaluated and a Work Plan addendum will be submitted to the NYSDEC for approval prior to ordering and installation.

Overall, UMC expects Task 1 to be completed by the end of June 2025.

4.2 Task 2: Well Network Evaluation and Maintenance

UMC's annual inspection and report for 2024 identified some monitoring wells with broken or heaved well pads, what was assumed to be an obstruction within MW-10D, and sedimentation within select wells (variance between well installation depth to bottom and current depth to bottom measurements). In addition, the NYSDEC's PRR Response Letter dated March 4, 2025, requests that the well network be evaluated and repaired. Therefore, the following well network repair and maintenance activities are proposed:

- Replace heaving pads and risers;
- Redevelop monitoring wells in the network due to sedimentation and vacuum sump pit;
- Reinstall the MW-10 cluster due to fouling/precipitate build up on well screens (confirmed by down-hole camera footage collected in March and April 2025); and,
- Survey the monitoring well network after well repair and maintenance activities are completed.

All well repairs, maintenance, and reinstallations will be performed by a NYSDEC licensed driller, Nothnagle Drilling, Inc. (Nothnagle), of Scottsville, New York, in accordance with NYSDEC CP-43. Nothnagle will create decommissioning logs and well construction logs, as necessary, for submission to the NYSDEC. Concrete pads and risers will be replaced at all monitoring well locations by breaking apart the existing concrete pads and removing the risers, then disposing of them as general construction and demolition waste for offsite disposal via Miller Environmental Group, Inc. (Miller) as detailed in Section 6 below. A new riser will then be placed over the well casing and will be cemented-in with the new concrete pad.

All wells in the monitoring well network will be redeveloped by the drilling contractor by using a battery-powered submersible pump set within the screened interval of the monitoring well. The pump and tubing will be surged up and down within the screened interval as water is pumped from



the well and collected in 55-gallon drums or similar. Wells with limited water production will be pumped dry and allowed to recharge before resuming development. Development will continue until at least three well volumes of water has been removed from the well and turbidity is below 50 NTU. All development tools will be decontaminated between locations and well intervals. Additionally, a thick sludge was observed at some wells within the landfill area (such as MW-20); these wells will not be developed due to the risk of damaging equipment. The development water will be stored onsite for offsite disposal by Miller as detailed in Section 6 below.

UMC personnel observed precipitate build-up on the bottom of two of the three wells in the MW-10 cluster while conducting downhole imagery with a camera in each of the MW-10 monitoring wells. UMC concluded that the entire MW-10 cluster must be reinstalled due to fouling/precipitate build up on well screens. This involves the abandonment of the three wells within the MW-10 cluster. Nothnagle, a New York State licensed drilling contractor, will abandon the wells by tremie grouting a concrete slurry into the well to seal the well to prevent an undesirable exchange of water from one aquifer to another. All steel monitoring well stick ups will be cut below grade and removed according to the method described above. After the steel stickup is removed and the PVC cut off below ground surface, a concrete slab will be placed on top of the abandoned well to within 6" of the ground surface. The surrounding surface material will then be used to cover the remaining depression in the ground surface and/or restored with topsoil and seed. The reinstalled MW-10 well cluster will be identified with an "R" designation after the well ID (ex., MW-10SR) and will be constructed as close as possible to the original MW-10 cluster location. The reinstalled MW-10R cluster will be constructed the same as the original MW-10 cluster. Appendix A provides the historical APU well network boring logs and well construction details and Appendix B presents draft construction logs for the MW-10 cluster replacement wells (MW-10R cluster) consistent with the original MW-10 cluster construction logs. Once the MW-10R cluster is installed the final well construction logs will be provided to the NYSDEC. The reinstalled wells will be developed in accordance with the procedure described above.

The monitoring well network will also be surveyed following the repair, redevelopment, and reinstallation of all necessary monitoring wells. The wells will be surveyed for coordinates (NAD 83 [2011] and New York West [3103] State Plane), top of PVC casing elevation and ground surface elevation (NAVD 88 [GEOID18] Feet). Survey work will be conducted by a New York State-licensed surveyor. The results of the survey work will be submitted to the NYSDEC and inputted into NYSDEC EQuIS.

The work proposed in Task 2 is tentatively scheduled to be conducted May 5-16, 2025.

4.3 Task 3: Fence Repair

UMC has identified the perimeter fence around the landfill area as a maintenance item to be addressed in this Work Plan. UMC will oversee a subcontractor to repair or replace parts of the fence that are broken, rusted, torn, etc. The fence repair activities are anticipated to be conducted between May 5-16, 2025.

4.4 Task 4: Fill Gopher Holes and Repair Gabion Baskets

During historical Site activities, UMC has consistently observed "gopher holes" throughout the restored roundhouse area of the Site. UMC intends on filling these holes with soil provided by a clean source. Prior to the import of soil to the Site, UMC will sample the soil to confirm it is free of Site-related contaminants. Additionally, UMC will submit an import request form to the NYSDEC prior to bringing any material on Site.



UMC also observed that a gabion basket on Site has been damaged and/or is low on rock material. UMC will repair this gabion basket or replace it, if necessary. The gabion basket will be filled with rocks imported from an off-Site source. UMC will submit an import request form prior to bringing new rock material on Site.

UMC anticipates the import of material and repair work to commence by third quarter 2025.

5. COMMUNITY AIR MONITORING PLAN

During the implementation of this work plan, and before well repair, maintenance, redevelopment, or reinstallation is initiated, UMC will establish, calibrate, and activate two Community Air Monitoring Plan (CAMP) stations at locations determined by the prevailing wind direction at the Site. These CAMP stations will be deployed at upwind and downwind locations relative to the landfill cap. Each CAMP station contains a Photo Ionization Detector to measure airborne VOC concentrations, as well as a Dust Meter to measure airborne particulate concentrations.

6. WASTE DISPOSAL

UMC notes that waste generated during the proposed O&M activities will include a minimal amount of soil spoils generated during redrilling of monitoring wells, sediment from the vacuum extraction of the sump pit, and waste water generated during decontamination procedures, well installation, and well development activities. The liquid wastes will be evaluated for disposal via the existing Buffalo Sewer Authority permit or for offsite disposal under manifest via Miller.

Soil and sediment spoils generated during the redrilling of wells and vacuum extraction of the sump pit will be transferred by the drilling contractor (Nothnagle) into 55-gallon drums as monitoring well repair work progresses. Waste water generated during decontamination activities and well development will be transferred by the drilling contractor into 55-gallon drums or similar. The soil and waste water drums will be stored in a secondary containment area for later off-Site disposal by a certified waste handler (Miller). All remaining waste (such as steel risers, concrete pads, etc.) will be disposed of as general construction and demolition waste. General waste will be stored in a roll-off dumpster on Site and will be disposed off-Site, by Miller, following O&M activities.

7. WORK PLAN IMPLEMENTATION SCHEDULE AND COST ESTIMATE

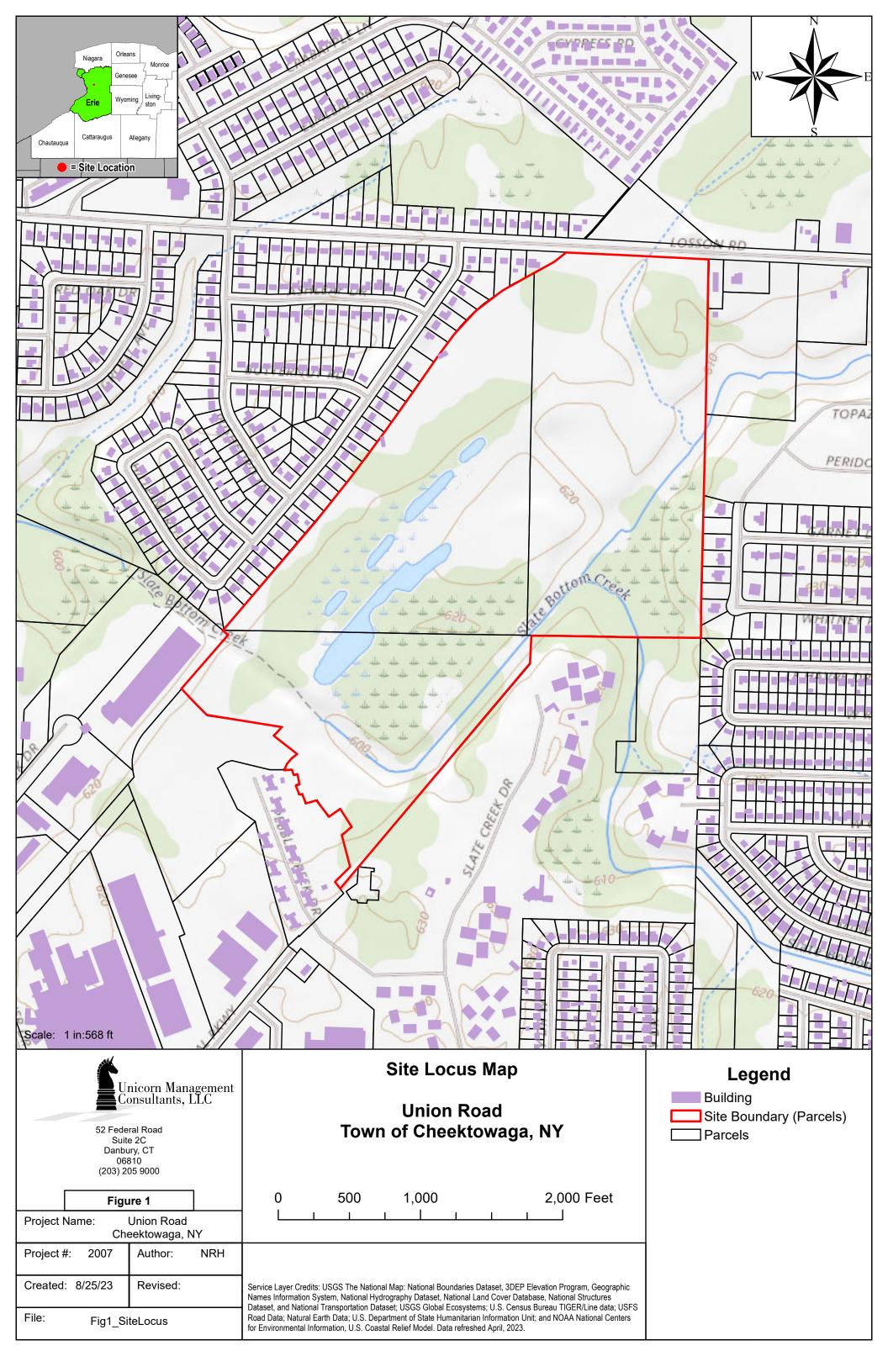
UMC anticipates to conduct the work proposed in this Work Plan throughout 2025, with Tasks 2 and 3 occurring between May 5-16, 2025, and pending NYSDEC's approval. The cost to complete Tasks 1 through 4 of this Work Plan is estimated to be around \$150,000.

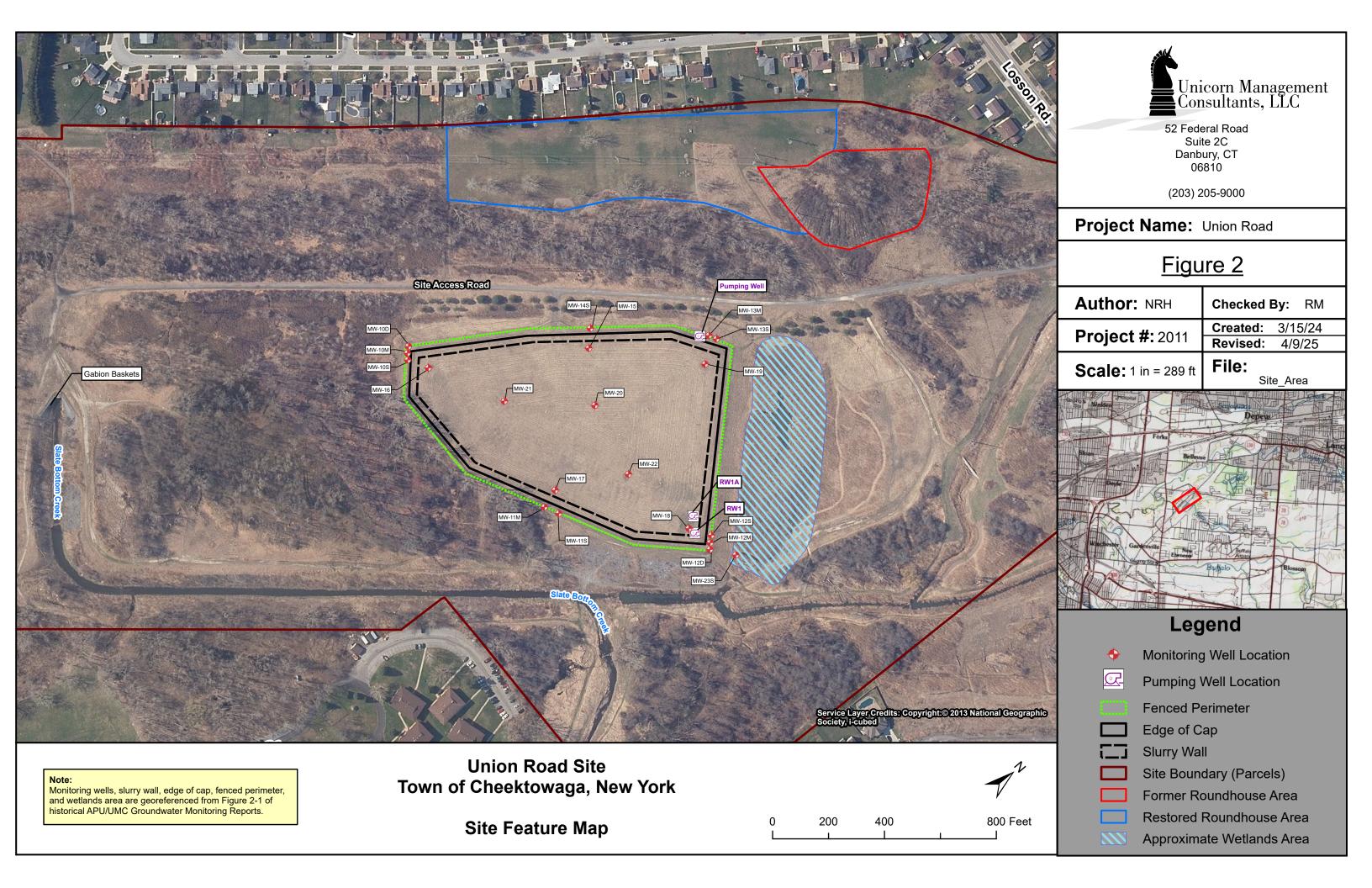


8. ACRONYMS AND ABBREVIATIONS

APU	American Premier Underwriters, Inc.
BSA	Buffalo Sewer Association
CAMP	Community Air Monitoring Plan
HASP	Health and Safety Plan
MEG	Miller Environmental Group
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
PRR	Periodic Review Report
SITE	Union Road Site
UMC	Unicorn Management Consultants, LLC

Figures





Appendix A Monitoring Well Boring Logs and Well Construction Information

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21 - 8 21 24 5 23 24 5	BRUND TOTANCLAS VILITTLE GRES	STIFF BLAETU ALTICE Mz G	
23 24 23 24 27 27 27 27 27 24 27 27 27 27 27 27 27 27 27 27 27 27 27	BRELLU = GREYCLIHU G-12 12-24 PRB 35		
			-

T. ABOVE W.S.L.) MARKS: NC SHARES 0-20' FILL MATERIAL, CUTTINGS BRUIL DRY SAMRE 40-12 - LOTRELLING SEPTION LOG OF TEST BORING DESCRIPTION REMARKS 22 27" 5 BRUIL TO TAIL CLAY SEE GREY 24" 4 BRUIL TO TAIL CLAY SEE GREY 24" 4 CEET TO LED BRUIL CLAY , TRINGIBLES SOFF, MOST 25" 7 BRUIL CLAY , TRINGIBLES SOFF, MOST 26" 17 BRUIL CLAY , TRINGIBLES SOFF, MOST SOFF, MILE H2 C WILL BRUIL CLAY , TRINGIBLES SOFF, MOST TO BRUIL TAIL CLAY , TRINGIBLES (Mg*) SOFF, MILE H2 C WILL BRUIL CLAY , LITTLE BRUILS (Mg*) SOFF, MARKS TO BRUIL TAIL CLAY , LITTLE BRUIL SERVE (Mg*) SOFF DAMP SOFF	ELL INC	G EC	Ciet. Offic Uipment. I 107 Casi	HSA GU SH G" HSA SA	LIT SPOON 121	at. A 131/96
DESCRIPTION REMARKS DESCRIPTION REMARKS SHEFT LITTLE TO LEE 122 24 4 BEELL TO TAN CLAY STREETHY STIFF & TO TREETH HIS OF THE TO LEE 125 126 127 128 129 120 130 140 150 150 150 150 150 150 15	EVATIO	ON OF	: GACU I.S.L.)	NO SURFACE TOP OF WELL CASING TOP & SOTTOM SCRE	EN GW SLAFACZ	0.
BELLI TO TAN CLAY , TRINGERIUS 21 21 21 21 21 22 21 21 22 22 21 21 22 22		/	//	+//5/	ZE 4642-botecioni, 9	COMBY.
SHEFF LITTLE TO LEC 120 STIFF & TO THE COMP SCHEDISCY 22 21 21 21 21 22 22 22 22 22 22 22 22 2	32 54	No. of		DESCRIPTION	REMARKS	WELL
24 2 GEET TO LED BROWN (LAT), TRINGRIMES 24 1 RED BROWN (LAT) 25 7 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS (18) 26 27 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS (18) 27 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS (18) 28 2 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS (18) 29 2 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS (18) 20 2 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS (18) 21 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS 21 LT BROWN TAN CLAM, TRINGS SILTS, LITTLE ROLLS 22 LT BROWN TAN CLAM, LITTLE GLAM, LITTLE ROLLS 23 TO PAMP, SIREHOLD 24 LT BROWN TAN CLAM, NO SAND, NO CLARES IN ESTREACH NO STRENGTH, WET NO STRENGTH, WET	22 22 22	22	7		120 STIFF SCIETUTEACE	
25 2 LI BRUND TAN CLAY TRACESILES, LITTLE ROLLS (48) SCOT, DAMP. 32 18 2 1	24 210		2 G 1 1			
32 16 3 TOP 12"-LIBROW ITANCLIA-I - SCHEGIFFIS, LITTLE RUICS SCET DAMP, & 48 H20 31 18 12 BUT CLEY CLAY AND SAND, NO CLARSINE STREATH WET NO STRENCTH, WET	23			BRUNN TAN CLAY, TRACESILIS, LITTLE RECES (48)	SOFT, WIMP	
TCP 12"-LTBREW ITANCLIEN - SOMEGNEYS, LITTLE RUICS SCET PHATE, & 46 H20 31 32 34 35 37 38 38 38 39 30 31 31 31 31 31 32 32 34 36 36 37 38 38 38 38 38 38 38 38 38	3 Q	16	2,3,		SMFT DAMP	
1 170 1 - 1	372 341 34		5 12 10	SCTIBILLE CERT AND SAND, NO CHESING STREATH	WET NO STRENCTH,	
36 20" Gray CLAY AND ROCKS 14-1/2" WET STIFF WET STIFF	31- 31- 358		1 15	7-20" - G. H. CLIH WATH AND ROCKS 14- 1/2"	wet vet	

44 SHELTER ROCK ROAD DANBURY, CT 06810 (203) 796-5279 * MW-103 TEST BORING LOG BORING NO. BUTTALO MW- 12D NY PROJECT NO.. NAME Union Road لهود برايس DRILLING CONTRACTOR/DRILLER Brown, Dick Miller (Ron START, FINISH GATE Maxim James Draw SAMPLING METHOD 12/12-12/16/96 SIZE: TYPE OF BIT Solit SPOON 874"HSA/ 776 Ai/15 DRILLING EQUIPMENT, METHOD SLOT SIZE .OZC LENGTH /O DIA. / Ar Patary WELL INSTALLED? CASING MAT. DIA. 17
YES TO NO C Stainless Steel 2" SCREEN: MAT. Stainless TYPE SICT GW SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GROUND SURFACE ELEVATION OF: (FT. ABOVE M.S.L.) REMARKS: CONST GRAPHIC LIYHO LOG LOG OF TEST SORING AND ALCO SET STICE OF ALCO SET REMARKS DESCRIPTION WHOMING CONTRACTOR OF THE SPECIAL SPEC No samples until 20 all Fill The material is un 6:11 then. 10

15

ORILLING EQUIPMENT. METHOD SIZE TYPE OF BIT	IT FINISH OAT	SATE
REMARKS:	<u> </u>	
LOG OF TEST BORING	CONST	1 0 G
DESCRIPTION REMARKS SHIFF	WELL	GRAPHIC LIYIIO LOG
Brown to Drk Brown Clays, two Rxs 22' 24' 3 Brown/Tan/w/ some Greys 24' 4 Grey ish/ Red Brown Ckys, Trace Px Fasiments 26' 17' 6 Battemli' It Brown/Tan (Flushy color) Clays, Trace silts it Soft w/ 120 28' 15' 1 H Brown/Tan (Flushy color) Clays, Trace silts it Some H2O 30' 15' 1 H Brown/Tan (Flushy color) Clays, Trace silts t Some H2O 30' 14' 34 Some (ock fagments, Ys' - Y4' Soft H2O 30' 14' 34 Some Rock fragments 50ft, Damp 10' 14' 15' 15' 15' 15' 15' 15' 15' 15' 15' 15	ANNAMANA MANAMANAMANAMANAMANAMANAMANAMAN	NAME OF THE PARTY

39'

RING NG. MW- OJECT NO NAME UNION ROAD ILLING CONTRACTOR/ DI MAXIM GEOLOGIST OFFICE TOMAS RILLING EQUIPMENT. M ELL INSTALLED? CASIN ST. NO. St. M.	ETHOD SIZE TYPE OF BIT SAI	Split SPOON STH /O' DIA. Z" SLOT	FINISH DATE
SEPTIFFIELD SEPTIFFE	DESCRIPTION Mostly RY 4"-2" insize of a matrix of	REMARKS	WELL CONST. GRAPHIC LIYHO LOG
42' 2' 50/2"	mostly RY 14"-2" insize of a matrix of HE Bown/Tan/Grey Clays + silts Bed ROCK @ -41' BG Bottom of Protective Cosing @ Stain less Steal Riser Stain less Steal Screen	We to Stiff Coment Boat He BE Bentonite Seal	THANKANANANANANANANANANANANANANANANANANAN
-15	Botten of hole 61,5 Bb = 0-103. Little = 10-203. Some = 20-353. And = 35-5		

				TEST BORING LOG		\	
BORIN MW					GITE	,	<i>;</i>
PROJE	CT	NO 1	() NICH	Repo 2035-200 BUFFACE NY			
			RACTOR	MAKIM			
ان الله ما الله	GZO	LOGI	ST. OFF		RING METHOD START	. ศพุธ	H CATE
CRILL	ING	EQU	PMENT.	METHOD SIZE TYPE OF BIT SPEC	IT SPECY 12.	120/9	(د.
WELL YES G		ALLE NO	D7 CAS	SING MAT./DIA. SCREEN:	/	SIZEC	€2C.
ELEYA (FT. A	TICH	QF:	GRO	NUNC SURFACE TOP OF WELL CASING TOP & BUTTOM SCALE			
REMAR				o 21', last 1' NOT SPLIT SPECLED Well CHETE	- RISER AT 2051	} G.	
		/		LOG OF TEST BORING		COMST.	SBAPIUC FYIO LOG
	14/4	A VOTE	01/2	NOTTEN DESCRIPTION	REMARKS	WELL	CBA
7 34	/ 5	•		SAMPLING STARTEDAT H! B. B.			
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_				•			L
							Ţ., Ţ
	4		15	Dier Brewn Clims	STIFF		-)
5		J→, "	ic is	No Boirs Sid Circo	LIFFLE, NK, HZC	KA	
	'تا ت		12 12	DIER BREIN CLAYS	STIFE	7//	- p
_		12	40	SCHE CINDERS	TRINE HZC	14/1/	-13.74
-	ช'	.	ان	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	STIFF, LIFIE HZU	1,4/4	
-	'ઇ'	c	12	5'-> DETERBELLA CLAYS, LITTLE CINDERS			الميراد
- - 10	10:	١٥	13	BOTS" - BLACK SCUIDS CINDERS NOT NITTUE	224 2124	门闩	
	10		ガ	RAD 3" - BLACK SHOW CINDERS	DIET	月日	
-	i2	11	707	BETTER 3" - WILLOW COME CARE COX 12	LET	I' , †	
-	i)		3	BLALIC SAND / CININIES:			
-	14	jc"	3			I; FI	
_	, i⊶i		7	BLACK SAND KINDERS	wf.t-		
15	ju	12"	U L	SOME BRICK AND DOED		门山	
F	الا		5	Builting CINDERS IN FOICE REDCLING	DAMP	山上	-
-		7"	4			1)11	
-	15		7/70	TUDG" BLACK CINDERS	MEDSTIFF	NE	!
F		21"	104	6-15" RED CLIPIL, NO ECKS	ENG HZC		

Sampling Abbreviations: S5 = Spitt Speed, ST = Shelby Tube, CSC & Continuous Soil Core

ORILLING EQUIPME HS A WELL INSTALLED? YES TO NO CO ELEVATION OF: IFT. ABOVE M.S.L.	2035-200 TOR/ORILLER DEFICE TORY THE THOO CASING MAT./DIA./ SCY Starriess Steel 2	LOCATION LOCATION BUFFALO NY SIZE TYPE OF BIT REEN: TYPE SIOT MAT. Stainle OF WELL CASING TOP & BO	SAMPLI	+ SPOON 12/19/1	FIMISH DATE
REMARKS:	AND (1) AREAST	LOG OF TEST	BORING		MELL CONST. GRAPIUG LIVIO 10G
SEPTIFIED SECO		DESCRIPTION		REMARKS	
5 5	18 - Dr.K. Brown cla	Lys w/o Rxs		Stiff little to No HO	A MARKAN A MANOR
10 10 8 11 12 11 11 11 11 11 11 11 11 11 11 11	- Not a Nati	d, Abbly from a RR:	ie organics	No Coheasive Strangth No Coheasive strangth DRY Damp	

50/3"

50/3

18

141

Wood Nex Sample will be 19'-21'



44 SHELTER ROCK ROAD DANBURY, CT 06810 (203) 796-5279

20+2

	TEST BORING LOG
MW- 13M	LLOCATION

Union Road 2035-200

LOCATION Buffalo NY

PHILLING CONTRACTOR/ORILLER

Maxim James Down

DRILLING EQUIPMENT, METHOD

SIZE: TYPE OF BIT

SAMPLING METHOD Solit SACON

START. FINISH DATE

Dull: 45

HS A WELL INSTALLED? CASING MAT. OLA ...

SCREEN:
TYPE SICT MAT. Stainless GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE

LENGTH 10 DIA. Z" SLOT SIZE .CZC

ELEVATION OF: FT. ABOVE M.S.L.)

140 13 1 AE3	LOG OF TEST BO	RING	VELL CONST
ESTING LESTER TO LEST STORY OF	DESCRIPTION	REMARKS	WELL
249 3 Bottom	Wood 19" Greyish red clays, No Rocks	Siff 5 > Se little to No H	ft - 1 20 - 1
26 5 Zeddi	sh Grey Clays of some tack	· · · · · · · · · · · · · · · · · · ·	
12 Botton	wood - maybe from a plug in Botton	Peholes	
32 0 25 Then	e wasn't on basket in the s	Bottom	
15 39 0° 50/0° Be		Borring	

10-205, Some = 20-355, And = 35-505

DRILLING CONTRACT DRILLING EQUIPME WELL INSTALLED? YES 2 NO CONTRACT ELEVATION OF: (FT. ABOVE M.S.L.) REMARKS: Q. O. O.	OFFICE MAXIM TECH no logics DEFICE MAZIS CAMBRA NES DANBURY NT. METHOD HSA CASING MAT./DIA. SCREEN: STELL 4" TYPE SE MAT. STAMPS STALL GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM STALL STOLL DOELLOSS 14-S Well.	SAMPLING METHOD START	FINISH DATE -/19/97 SIZE OZO DATE 8/19/9)
100 171	LOG OF TEST BORIS	1G	WELL CONST. GRAPHIC LITHO LOG
569 TH 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ENTAPTION DESCRIPTION	REMARKS	WELL
	Fill- Of Reclish brown Sarry Clay Reclish Brown Clay	3.8 Bestout 5.3 C.8	
- 15 	- ENDY Bor. 7	[6.8] [7.3	

YES Z NO C STAN	FICE JOHN J ZACHER JR METHOD SIZE TYPE OF BIT SAME	1 Special 12-3	F. FINISH CAT 3C-9(a SIZECACO GATE
Stirt Stirt & COVERS	LOG OF TEST BORING	REMARKS	WELL CONST. GRAPING LIVIN 1 0G
7472 97 10 10 22 24 24 24 24 24 24 24 24 24 24 24 24	TOP I"- WORD TOP I"- WORD TOP I"- BROWN CLAY WILLIFTLE CHANEL 11-10 BROWN CLAY WILLIFTLE CHANEL 11-10 BROWN CLAY WILLIFTLE CHANEL C-7" - FILL CHOOSES, STEWED, DRICK T-19" - BROWN CLAY WITTIE RECES (IN-) T-27" BEDIBROWN CLAY WITTIE RECES (IN-) REDIBROWN CLAY, TRACE CHEADICS (Richs) REDIBROWN CLAY - SOILE GREY VARBING REDIBROWN CLAY SCHE GREY VARBING REDIBROWN CLAY WISCAR GREY VARBING REDIBROWN CLAY WISCAR GREY VARBING	STIFF, OIZ-I DIZY STIFF, DRY STIFF, TRING HZG STIFF, LITTLE ME HZG STIFF LITTLE ME HZG STIFF LITTLE ME HZG STIFF LITTLE ME HZG STIFF LITTLE MZG STIFF LITTLE MZG STIFF LITTLE MZG HEDSTIFF AMONIZG LEDSTIFF SCHARZ HEDSTIFF AMONIZG	

PROJECT NO NAME LOCATION	
· •	
DRILLING CONTRACTOR/DRILLER	
जु ल gzologist. office	
DRILLING EQUIPMENT, METHOD ST	ART. FINISH CA
YES C. NO.	LOT SIZE
ELEVATION OF: GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN GW SURFACE (FT. ABOVE M.S.L.)	UAIE
REMARKS:	
LOG OF TEST BORING	COMST.
LOG OF TEST BORING LOG OF TEST BORING REMARKS SOCT. W.S.T.	WELL COM
22	

ORILLING EQUIPMEN ### ### ############################	T. METHOD ASING MATDIA. SCREEN: SUBJECT TOP OF WELL COLUMN DEPORT DELICATIVE TO	ATION ON LAMORIL CAP SENCE TYPE OF BIT 25' H.S.A MAT. S LSING TOP & BOTTOM S 610'-600'	SLATE WAL SAMPLING METHOD SS LENGTH ID' DIA. 1 CREEN GW SURFAC LENGTH LENG	START. FINISH CATE
SEPTH OF THE COVE	7.10th / 25.35.	LOG OF TEST BORIN		WELL CONST.
P- 1 1 1	Frequency SIFT JAN THE PRODUCT MOUSE (HORSEN) . THE BROWN CLAY, FIRM FLO MINING. CONSCRIPTION MATTER COMES. BE SAMS COLLANDE TO THAKE FINES THE PRODUCTION. NO COMES TO ARETY CLAY, NO COMES TO SAME BUT STALK. SILTE SAME BUT STALK. SILTE SAME GREO/GREY SILTE SAME SAME	Little Py" Grant. No conce manifestr COLE C. SUBANGUIAC F. TAN . 14 CONSUM. F. MATCH UP., SAFF. TRACE SI CLA: TENIC LRANGE Y CLA.	Ziriqi RAJ.	

S.c.		(203) 796-5279	N	
	BORING NO. MW-16	TEST BORING LOG		
	PROJECT NO NAME	UNITE ROAD CAS TRUESTOS		·
		emple Bence	\ m	کر عام در
		ANNON/52MAYA DANBUNY	•	T, FINISH DATE
	ORILLING EQUIPMEN	[11 MC11100]	ST 2	15,19-<
	WELL INSTALLED? C	2" SS TYPE 0.10 MAT. SS LENGT		DATE
REMARKS: ALL ELEVATIONS AND DEPTHS RELATIVE TO PRE-LAP GRAVE				2//9/
	.//		MST.	
	11 10.	C C C C C C C C C C C C C C C C C C C	-	MELL CONS
	362-14-14-16-16-16-16-16-16-16-16-16-16-16-16-16-	LOG OF TEST BORING	REMARKS	MELL GRAP
(- 1 1 1 · ·		Friter	
	<u> </u>	- Hard Brown Clay, 10% Granel		
	2/ 1/5/20	upper 12" Same	ORY	
		Bottom b" CILLERS	(mar)	
	5 10 0/4	Shine	PRY	
	1.0 0/4			
	9" 12/4	TON SONO 1 20 M. SOUTHANDLA BACK FRAYS CHELL	F.~ Sud	, , ,
	3'	THE CONT. HO OFFEE MATTERIA		
	- ,			
	- 10' 2 5/4 - 10'	save but any linear Scient to Staining		
	1.5' 5/4			
	7 12	SAME T TALLE DIGALIUS.		
	1.5' 8/8-	Same		
	1.5' 4/51	SANE Y BOCK FRAIS, TO YY" ANGULA. IN BOSTONG"		
	16 12/4		สบะรภ์	
	- 18	EOB 19.0'	2-W 3	

PROJECT DRILLING	O. MW-17 MO NAME UMLEY ZUA CONTRACTO MALIO CLEGIST, OFF	A RIORILLER Solute : P. Bened	LOCATION LAMPELL (AP)		START FINISH 3
	HO [] N OF: GRO (E M.S.L.)	SING MAT. DIA. SCRE	SIZE TYPE OF BIT (0.25 " HIA EN: PE MAT. SS F WELL CASING TOP & BOTTON	2" 55 LENGTH 10' DIA- Z	2/22/96 SLOT SIZE 20
	AVE HOVERY	17 PE 2 2 2 3 3 1 1 1 2 2 3 3 1 1 1 2 3 2 3 1 3 1	LOG OF TEST BOR		WELL CONST.
3£977 4	ALCOVER	•	DESCRIPTION	REMARKS	1 3 G
2'	125' 20194 125' 42/4	RIME / DAIL & CO. The	FLAND, WAVEL PRESENT. PL	ne et	
- 4'	11/45	اعراد الجمعاع المرادية الملكة الم الملكة الملكة	Table Sunanus, For staining, R	l	683
- 5	1.2 स्थाप	Benck com. 30% on.	chinose, Linase), TAALE LINASE MATCH (GINOSE, GINUSE),	6.40	
- - - - - - - - -	0.5 1/4	SIME CINOSA FILL SIME	MATIC		
- 14 14 14 14 14 14 14 14 14 - 14	0 7/4t	NU RECUYERY		WET	
- 15 - 15	0 3/1	He Rein word			
- 18	0.R. 11/8F	IMME, NO THE MA	FL. TRALE PREMARIO ! ANOLON	of grande	
- -	1.5 14/ FE	CARTARIA CLAS H HIM	ile Sealing. TARLE EAGLANTISCO FET FARMIN (SLIMLT)	(1.0	

	DANBURY. CT 06810 (203) 796-5279		N	
BORING NO.		BORING LOG		250' }
PROJECT NO.	NAME	LOCATION LAM FILL EAD		
DRILLING CON	TRACTOR/ORILLER Notice - Sampling V. Bened			-
ਚੂ ਵਰ∎oro	GIST, OFFICE			
1	GIF MEII I MEI II O	SIZE: TYPE OF BIT	SAMPLING METHOD STA	AT. FINISH 34"
WELL INSTALL	ED7 CASING MAT. DIA. SCREE	1:	THE LA CL	OT SIZE LO
YES W NO	GROUND SURFACE TOP OF	WELL CASING TOP & BOTTOM S	CREEN GW SURFACE	DATE
(FT. ABOVE M	.S.L.) 619.1 (20 603 - 3 43	- 602	
	Slevanon & Maria ALLATIVE	TO PREMAP TOPS,		
j	15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOG OF TEST BORIN	G	CONST
	10. 81 (81) ON 91			
SEPTA STATE	ENOTE AND	ESCRIPTION	REMARKS	WEL
ω L $_{\parallel}$	141 (BANE) 6,19/6,12 cm	" y man staining. Thank off.	MAS WRT	
E 2'	14/ (same) 6,01/6,12 cm	mark. Sugarific smary	J	
22'	4			
4.5	15/gt 23:00	MALLE OF JANG MELTING		
<u> </u>		EAD. 24.0'		
-3				
F				
		4		
10				
15				
				-
-				



A DIVISION OF THES
44 SHELTER ROCK ROAD
DANBURY, CT 06810
(203) 796-5279

		(2	03) 796-5279	•	•		11	• 1	-'ب ١٠
BORIN	1G NO. NW-'남		8.2	TEST BC	RING LOG				
PROJE	ECT NO.		Catton BOW		CAP INTE.	グエッ ン			
			PORILLER	HIM ENDI	RE PHIL BEN	ىلى			
1 <u>.</u> 1. 4812.	GEOLOG	IST, OFF	ICE Hanlon/	152 mayor,	MANURY				
DRILL		JIPMENT	METHOD	SIZE	TYPE OF BIT	SAMPLIN 55	METHOD ST.	ART. FINISH	
WELL YES I	INSTALL	ED7 CAS	SING MAT./DIA.	SCREEN: TYPE	MAT. 55	LENGTH	6' DIA. 2" SE	OT SIZE O.	15
	TION OF		UND SURFACE	FOR OF WELL (CASING TOP & BOTT BOS-0-	595.0	LA LA	2/19/9	6_
REMAR	rks:	EURIZE	our And I	LETTHS REL	ATTUE TO PRO	e-(A)	gurgace		
		J.HO	AT ON SIT		LOG OF TEST BO	DRING		CONST.	MC) 1.0G
/se ⁵	21H (51)	E TO LEAT	AL BLOW	DESCR	IPTION		REMARKS	WELL	CRAPHIC LIYHO LOG
	5,	32/5~	120 5.77		ĭ		(آت ۽ ڪمها		
	17	10/57	Ton Clay	Firm Ho	course Day			_	
- 5 - 5	i¹	1-15	Tanjon (1 [Lag F. ~	المن (۱۳۰۰)	Dri	OF T	<i>></i>	
-	」 ,	15/57	Brown ile Festing	Y SEF	Tem , the Conf	5-'D->	U	-	, <u>-</u> , -, -, -, -, -, -, -, -, -, -, -, -, -,
- -	į	14/50	Sal	ر مر				-	,
— 10 - 1 1	10	MFT	hittan	- 6 ¹	ا د دیدرو		(in)		
- -	1.2	77/FI	Same	w/t5~c2	ruck figs (way	uar gine	24		
- - - 15	13	2/8-	Sama	(5.17 closes	40 10%)		المين المناس		11111
	2,	348.	Same				Fork		
- -	15	4/64	Sime	ケスケデ	4-17655				

BORINGI NELL LOCATION SAETCH &

REMARKS: LIEUR	TISING AND DETITY (DELATIVE TO A BOTTO OF WELL CASING TOP & BOTTO OF WELL	SAMPLING METHOD START, FINISH CA LENGTH O DIA. 2 SLOT SIZE O.2 DM SCREEN GW SLRFACE 2/19/94
	LOG OF TEST BO	RING SAIR
OFOTH SAMPRECOM	DESCRIPTION	WELL CO GRAPHIC LINE I CO
F 7,	From Sendy Clay 20% organice Very SUFT Trace Ruch Fra GUTTIUM 6" Ver: Suff were CLAY trace Ruch fragents INTSET 1" EDB 24.5"	544 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

LOG OF TEST EORING 110 19/14 1115 19/14 112 19/14 113 19/14 114 19/14 115 19/14 116 19/14 117 14/16 118 11/14 119 11/14 1	/		O. AND	LOG OF TEST BORING		·	CONST.	HIC
2' 12/4 5 13/54 Short with Thacity " whange (surrow), vinhalo 1.5' 26/66 The short with thacity " whange (surrow), vinhalo 0.5' 62/56 The same since surrow may a strain Surrow form, par come there expanses anything a strain 2' 1.5' 24/66 Short with surrow may a strain Surrow form, par come there expanses anything a strain 2' 1.5' 44/66 Short war, para, par come there expanses anything a strain 2' 1.5' 44/66 Short war, para, para come there expanses anything a strain 1.5' 44/66 Short war, para, para come there expanses anything a strain 1.5' 14/66 Short war, para, para come there expanses anything a strain 1.5' 14/66 Short war, para, para come there expanses anything a strain 1.5' 14/66 Short war, para short passon. Based shorts from the same there.	SEPTH S	JP E	ECO LER	DESCRIPTION	REM	ARKS	WELL	GHAF
1.5 24/16 SAME SAME SAME SAME SAME SAME SAME SAME	1 1				feszár			-
1.5 16/4 SAME THATE YOU WARRE (ALLESA), VINARD 0.5 62/4 TANDAR, MAND, CLAY FRIT, FE TRAINING, TRACE MANUE PROPARE SINGLE BLOOK AND CLAY FRIT CARRAITS. AND AND SHAPE CLARATES. AND S		Lu.	12/14	FIRM BOOK IN FORM CHIEF , FE' & BUNKE STAINING NO CHART	. بدین	.	-	
1.75' 24/ H Same, Francour Character Andrew Comment of Stranger Comments	5	1.5	13/4	Short.		(M.)	-	_ _
1.0' 14/pf. Same, surfram, surframe catagories, Angularis de visione de la constitue de la con		1.5	**/&	BIS SAME - I'M TARLE YET LANGE (RELACE) , V. MARD	ن بح			- - -
10' 14/ Same, user, surrivana, some Kamel Areson paston books. 10' 14/ pt. Same, user, surrivana, some Kamel Areson paston books. 10' 19' by Same, Sugar succer poston. Banck backle try, prod.		0.5	62/16	TANDONIAMO LENY (SILI) FE TANING TANKE MANUE PROMATE E STAINING		Fuelan		
10' 14/ pf. Bener, war, surrivant into came Arrow parton well. 10' 14/ pf. Same. Sugar succes processor. Beick takels try, process. 10' 15' Same. Sugar success for processor. Beick takels try, process.		1.75	ع4/لا	, a a				
hui 19th Same. Sugar succer posser. Bank Back Backs Hogs, Porch.		1.0	14/10	BLANK, WET, STETS SAMP, SOME KARNET AMOUNT PROTON HORS.		ح مده في مده		
1.01 6/ ft South water cool, Sunce mottery from organis. Trace	15	hoi		16'				
/ ·	_	1.01	6/4	Softwar, wrentery cook, succe morning from organic. Trace erjaniment's refer things was carrie matric.				

चुं न GEOLOGIST. O ORILLING EQUIPMEN WELL INSTALLED?	DR/DRILLER M- IMPITE , P. FFICE SEWAL DAME A T. METHOD SER MSA ASING MAT./DIA.	BENZE TYPE	ANDFILE CAP OF BIT HSA	SAMPLING A		RT. FINIS	<u> </u>
	ROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM	SCREEN GW	DIA. Zª SLO SURFACE	CAT	ξ
(FT. ABOVE M.S.L.) REMARKS:	618.5	617.5	605'- 595	••	und.	2/23	196
SEPIT GANGE COVER	/5° / 65°	LOG	G-CAP ELEU OF TEST BOR	ING		CONST.	GRAPING LYHO LOG
SEP IT OF THE COVER	the st	MOITHINGESO			REMARKS	WELL	CRAPIUC LIVIO 1 (
- 15		20' 8.0.8					

	DANBURY. CT 06810 (203) 796-5279		
BORING NO.	TEST BORING LOG		·
PROJECT NO NAME	UNION RD LOCATION THIERTILL CAP		-•
DRILLING CONTRACT	MAIN/EMPIRE BELLE/BOHNERED		o Serve
जुनु GEOLOGIST. O	FFICE HAMON/SZUMYA DAMBURY		
DRILLING EQUIPMES	T. METHOD SIZE TYPE OF BIT ISA	MPLING METHOD	START. FINISH CATE 2/2//54
WELL MSTALLED? C		GTH 10' DIA. 7"	SLOT SIZE 0.20
ELEVATION OF: G	ROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCRE	EN GW SURFACE	DATE 2/21/96
7514.5			· · · · · · · · · · · · · · · · · · ·
	TITAL AND DEPITES RELATIVE TO PRE-	CAD SURFA	
	LOG OF TEST BORING	•	MST.
(1) / 10 / 10 / 10 / 10 / 10 / 10 / 10 /	1 10 1		
SEPTH SAMPRECON	LOG OF TEST BORING	REMARKS	WEL GRA
- 1.5 8	Brown CIGY; NO COME, FROZELL, BOTTOM L" Black W/15° & ONGMICS	FZUZEM	
1.0 26	Brunn Clay trace organics this it	NOIST	
1.5 19	BUTTON 12" BINCK I'M FINALI WASSING W/chasconl ODZ, 10% OZMARCS 10% "F. BCT	n. : 37	
	Black F.m Clay 10° box oxyanics TRACE 1/1" TOOK Trays	moist	807
1.5 24	Most on Brazing my Black rivers some contest that on Brazing my Black rivers some changes that the contest with the contest of	W-ist	1001111
05' 6	Fine and/5,14 red w/ Blow Stri	-ct	
15 2 8	The ice for sing	Biost	
[1.5] 3	Sime Francoising	100.	
100 3	Beam CLMY + SAND u BULL STING 1 Strong Petidera DDDR, Secring 20010 POUL FILES UNTO 0.5"	wat !	N N N N N N N N N N N N N N N N N N N

WELL INSTALLED? OF YES SEND CONTROL OF GENERAL SELECTION OF GENERAL SELE	ROAD THERESON THE PLANT BENCE FFICE HAMDA SWAM HT. METHOD SCREEN: ASING MAT. DIA. SCREEN: TYPE MAT. SS ROUND SURFACE TOP OF WELL CLSING TOP & BO EATLY 624.6 627.0 TOMS ALLS DEPTHS RELATIVE TO PRO-	SAMPLING METHOD S LENGTH 10 DIA. 7 S OTTOM SCREEN GW SURFACE NA	TART FINISH CAT 2/2/1/76 SLOT SIZE 0-10 1/2/96
	LOG OF TEST LOG OF TEST LOG OF TEST LOG OF TEST DESCRIPTION	BORING	CONST.
SEPIT STATE OF	DESCRIPTION	REMARKS	WELL CO
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		7203) 796-5279	l N	
BORING NO.		TEST BORING LOG		
PROJECT NO.	. NAME	LOCATION	\ m	11
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	mA a =	5 - 4 - 0.12 C		270
कुनु GEOLO	>を	WARA (MACLUS) AMOSSIA		TART. FINISH CA
DRILLING EQ	UIPMENT 3 HSA		PLING METHOD S	z/22/96
WELL INSTALL	ED? CA	SING MAT./DIA. SCREEN:		, ,
ELEVATION OF	GRO	ound surface top of well casing top 4 bottom scree	H GW SURFACE	DATE
(FT. ABOVE M	I.S.L.)	623.9 625' 595'-605"	/~ke.	2/22/4/
REMARKS:	All ELD.	DETITY & DEATHS ZECATIVE TO PRE-CAP GRADE		
		1,4/5		,
	/10	LOG OF TEST BORING		COMSI
	E HO. PER	LOG OF TEST BORING RESCRIPTION BRANT FRIEND CLAPA.		MELL CONS
SEP IT IS AND	E/03/5	AC BESCRIPTION	REMARKS	VEL.
/ 5t / 5t/	AE AE	DESCRIPTION		1310-
_ 2'	41/56	BRILL FREEZEW CLANGE	Kno zem	1/3 =
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- 1 1.25	s' une.	Somá	Baser Use MAM	77.4
- u,		100	SHOP HARMAL.	
1 1.40	19/4			
- 5		Same of write load , Fit stains with or mile	324	
		BLAN CHAL CHARAS PERSONA.		
- 1'	50/4	BLACE ONLE TED LINEA EILE MATTER DAY TENER		
· 5' -		The FAMA IT I AND THE		
	7/	Sand of more count in all		
- \'	17 H	Send of MARIN Grante (1/4) Rock & water fings , French on . Jercel Just & Find some . Track drywness . Dats.		
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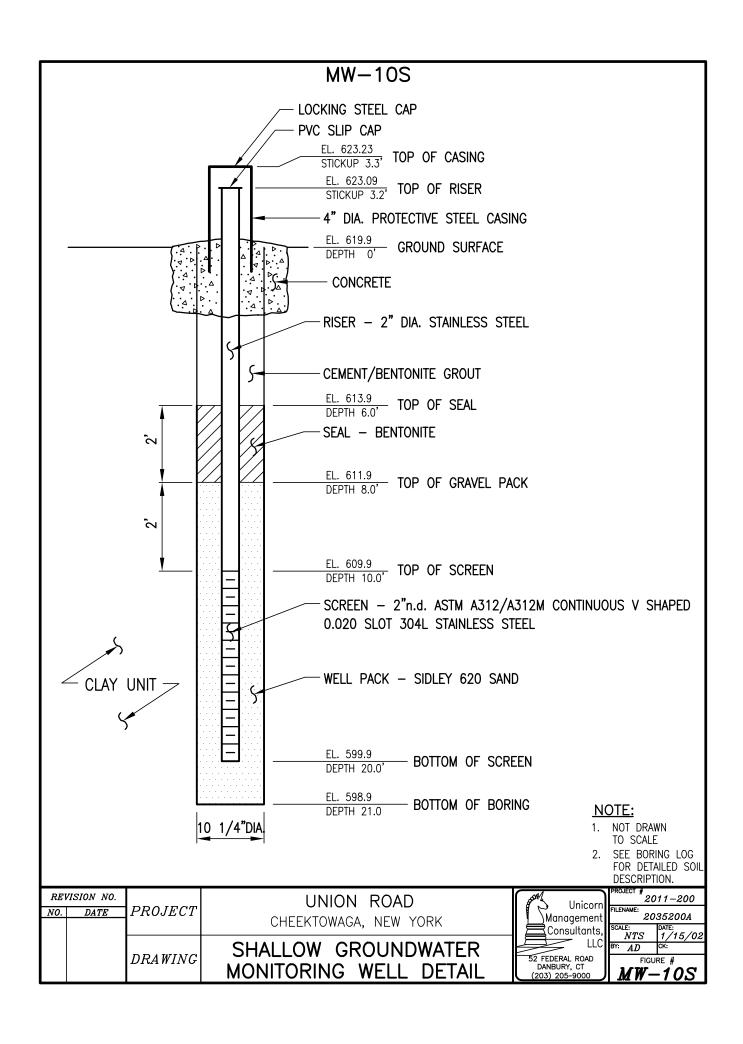
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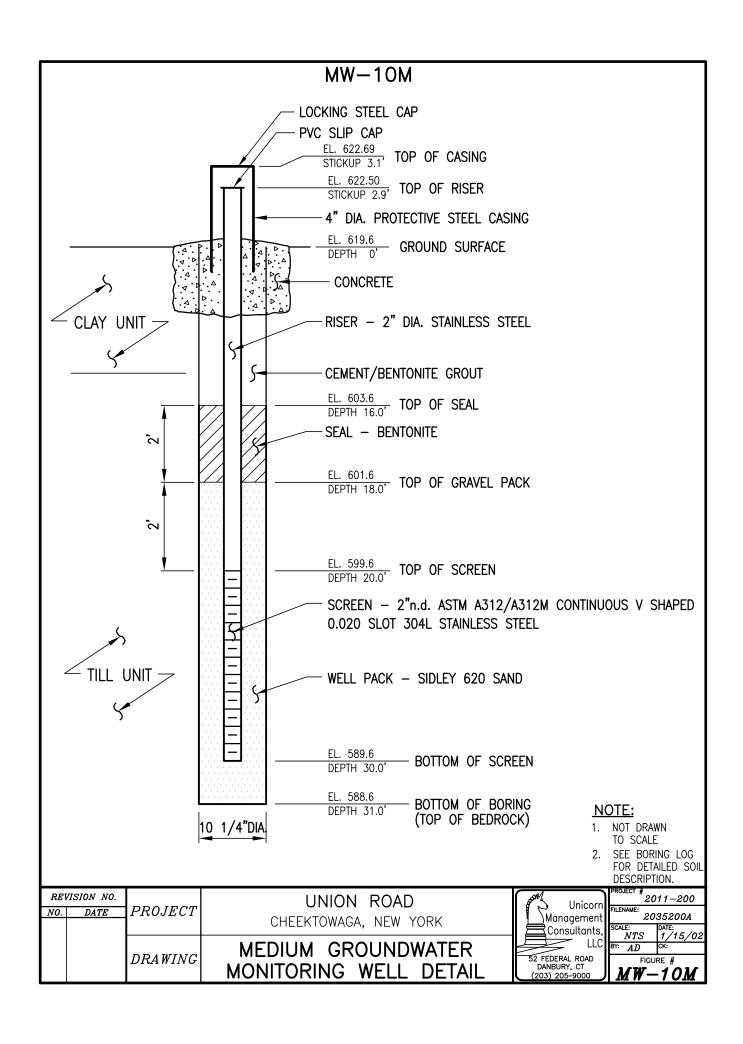
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O. And S	AF (15" /	LOG OF TEST BOR	ING		WELL CONST.	10 1 00
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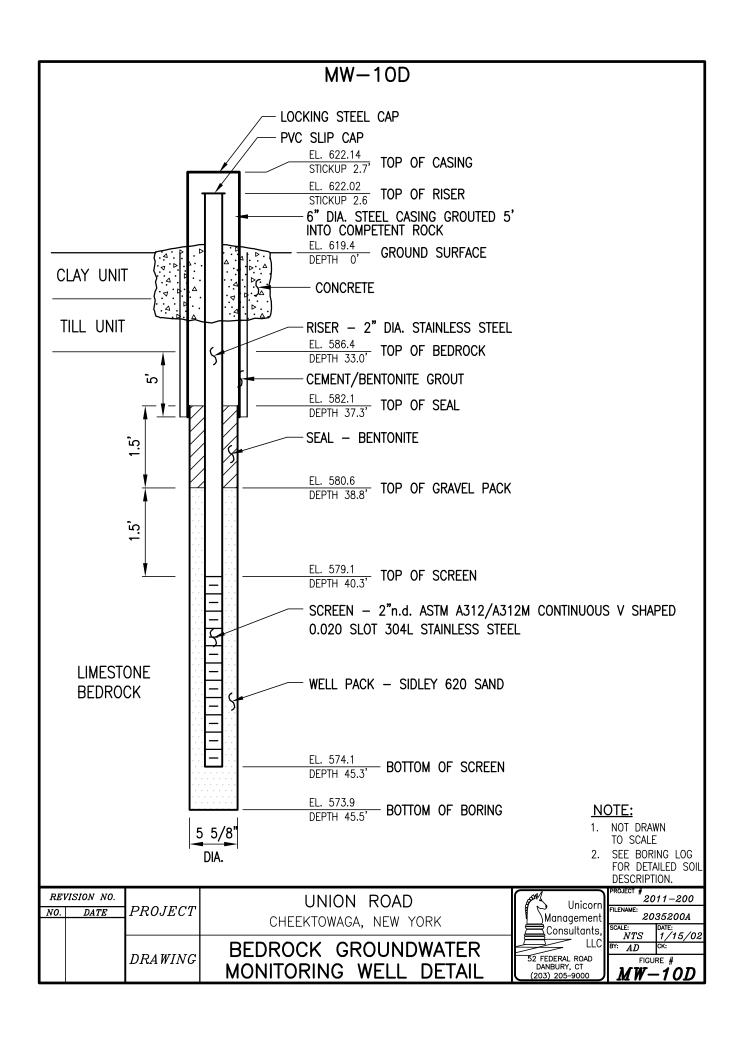
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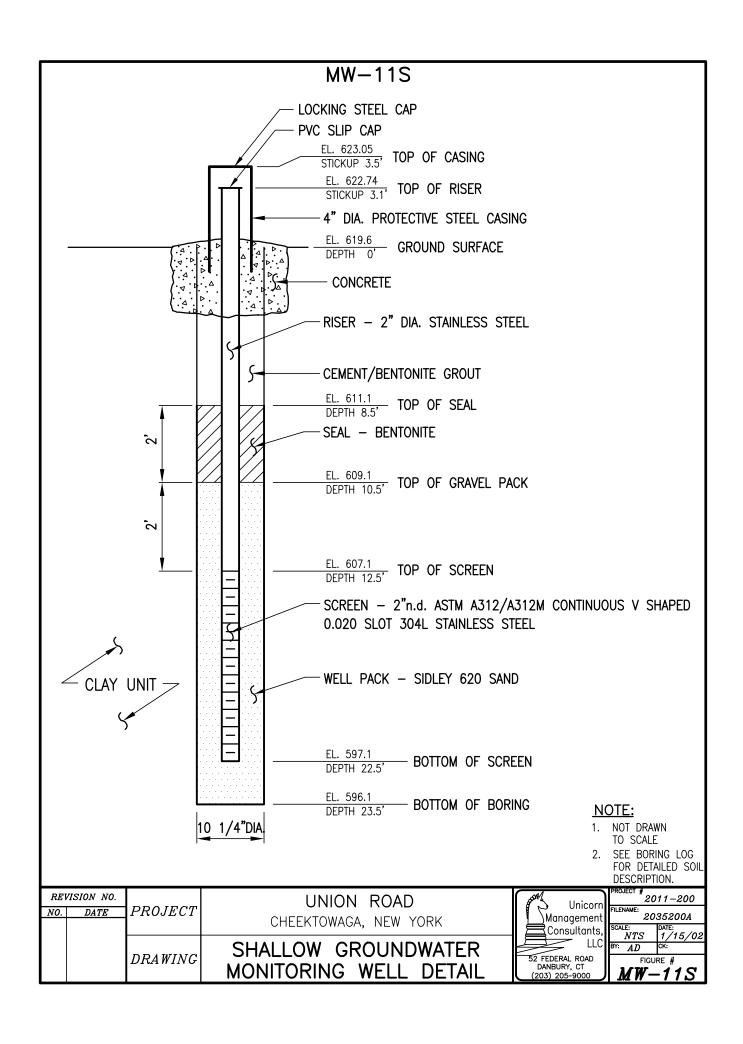
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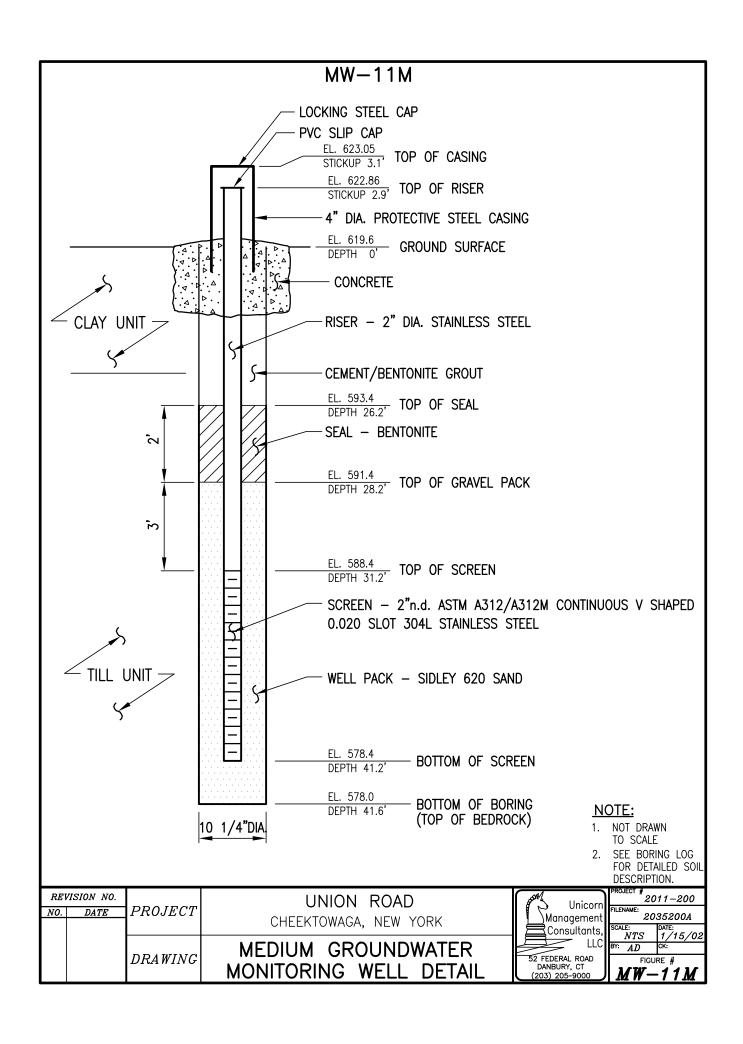
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LOG OF TEST BORING			
34 14 41 46 44	LOG OF TEST EO	REMARKS	WELL CONST
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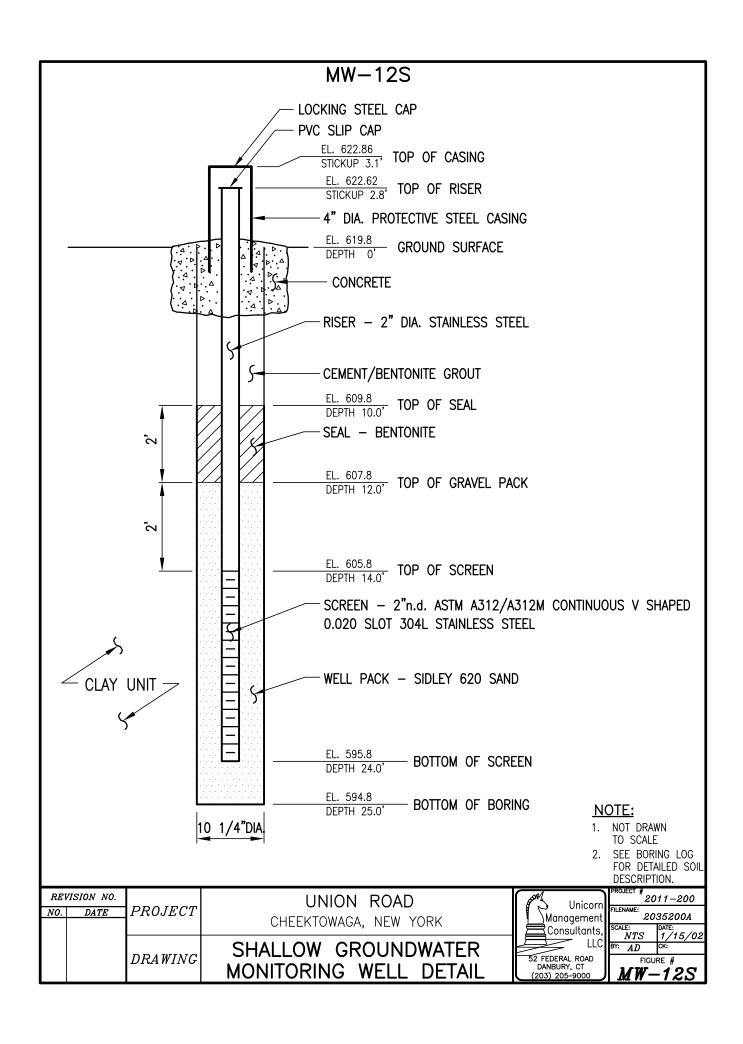


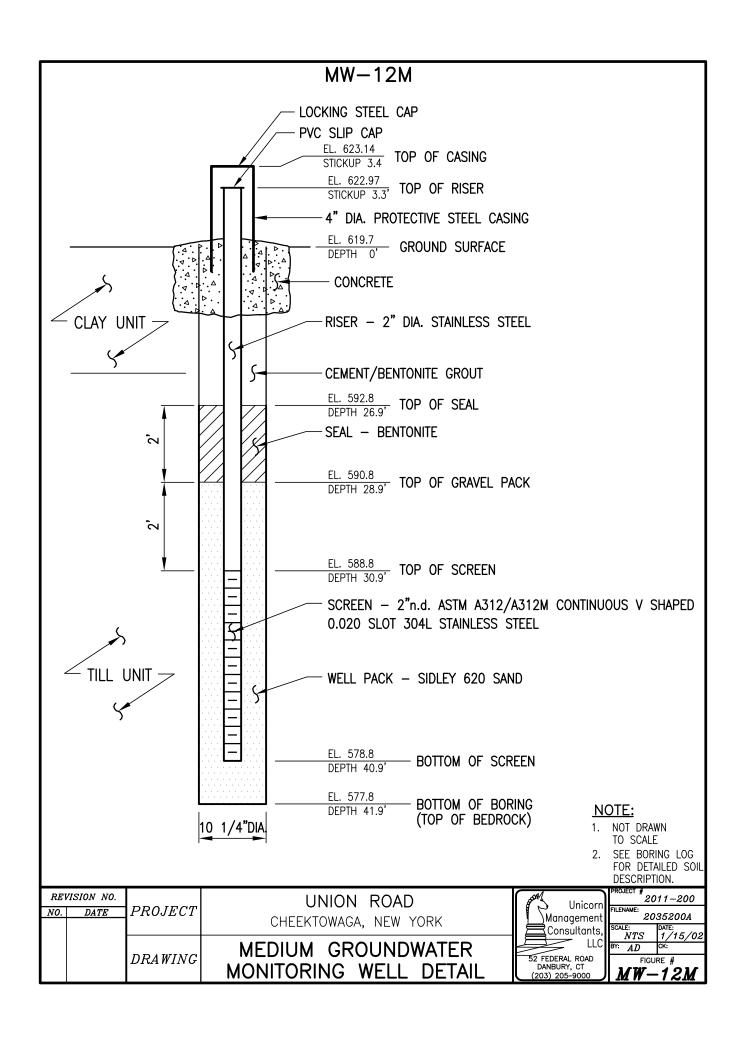


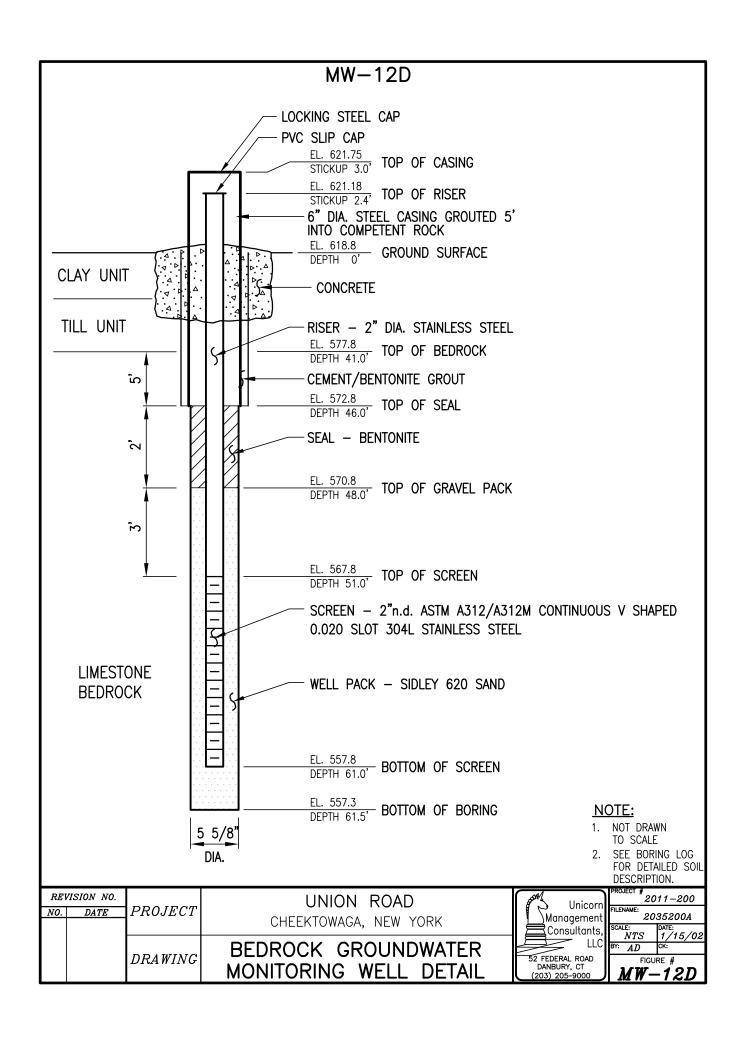


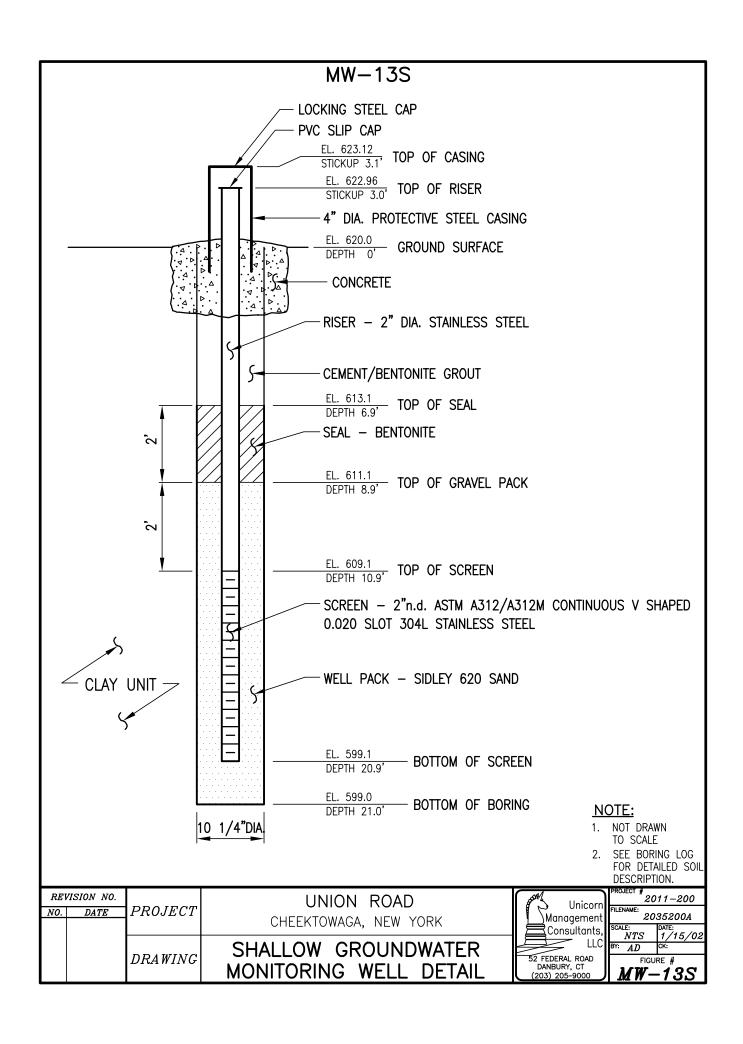


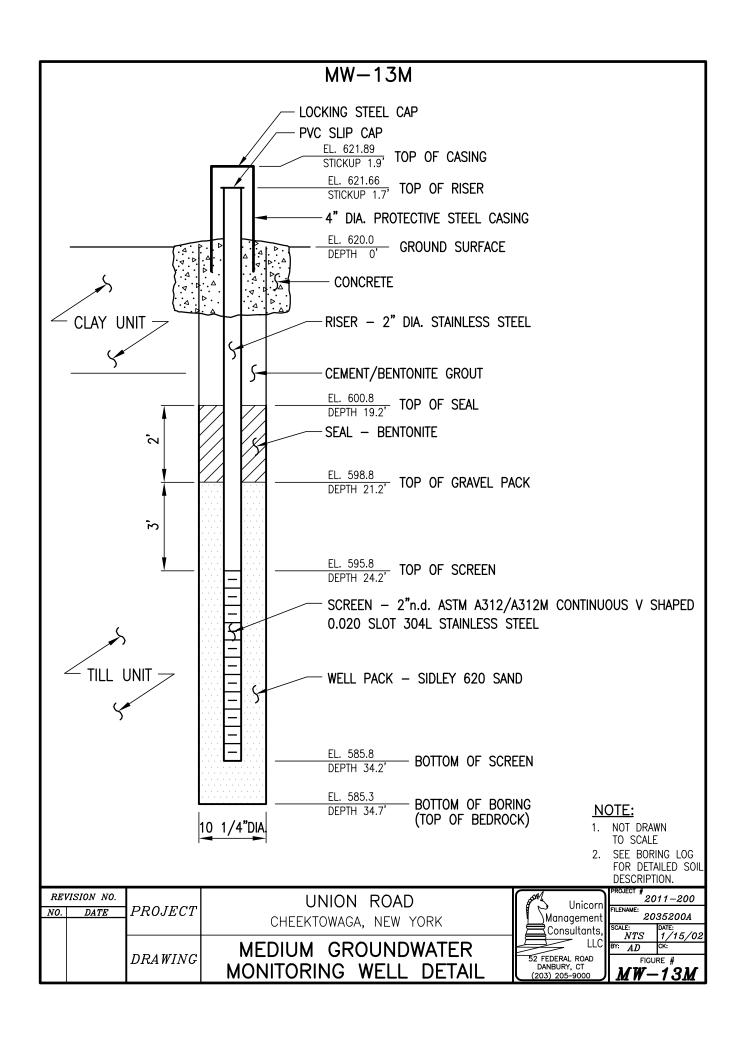


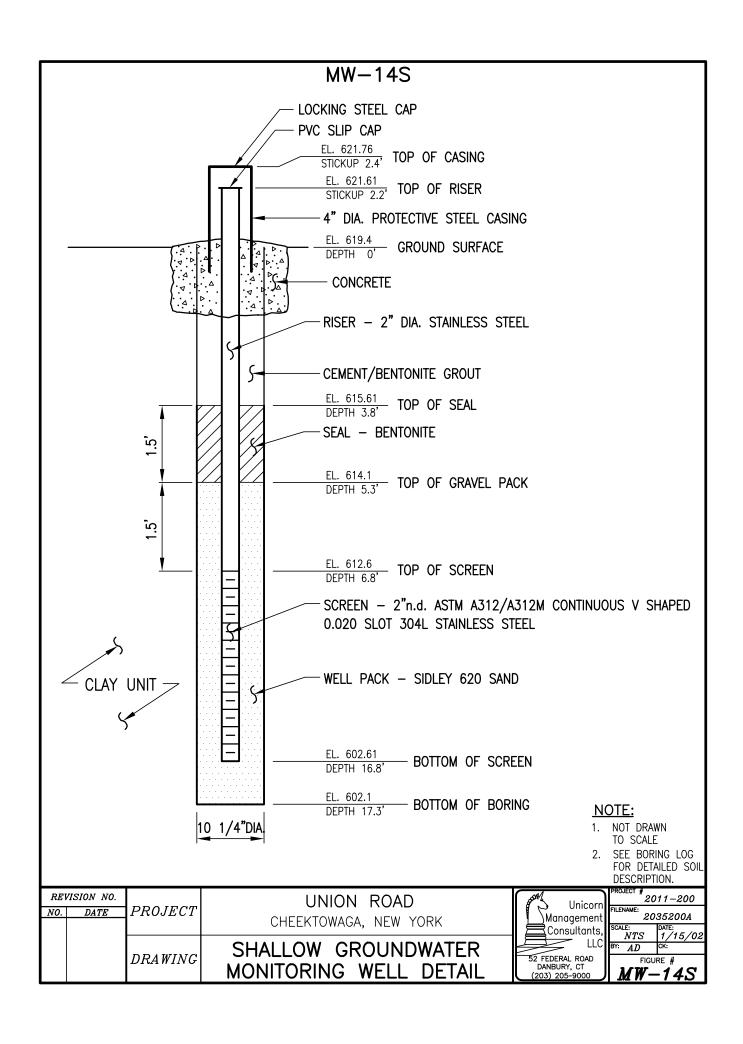


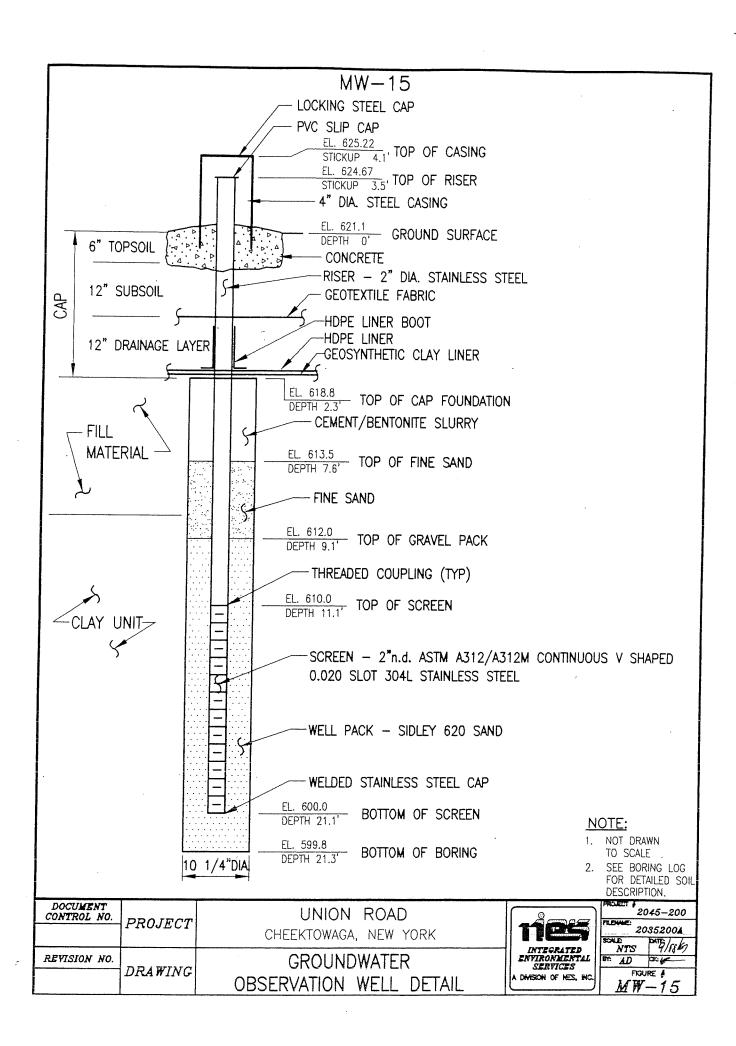


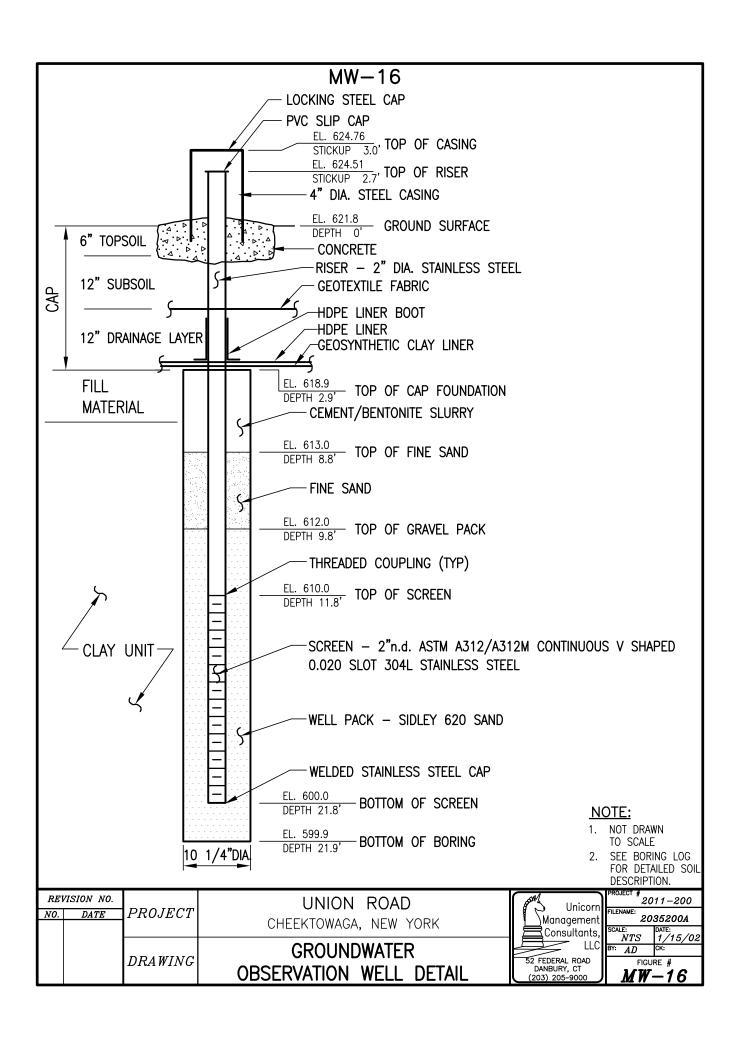


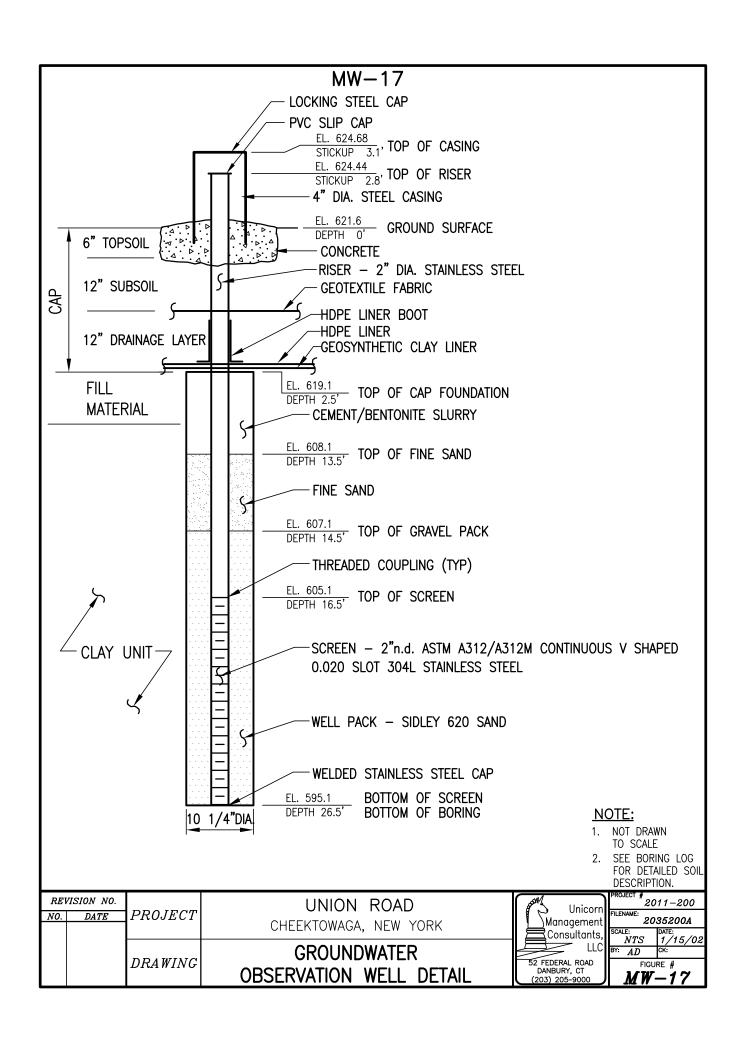


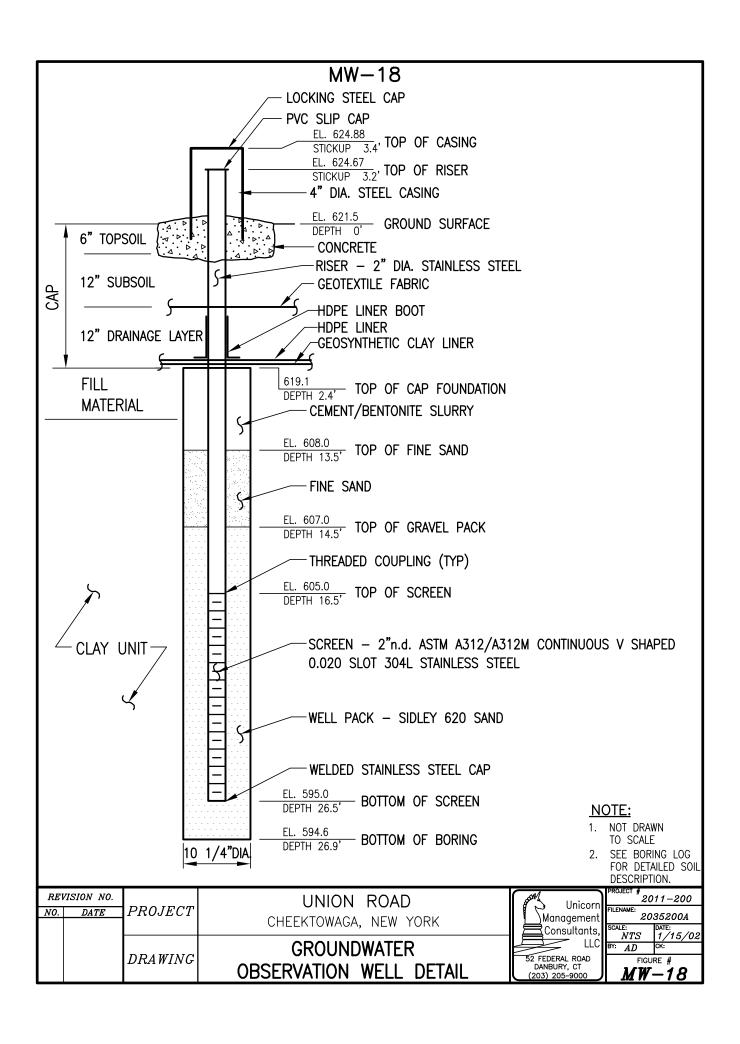


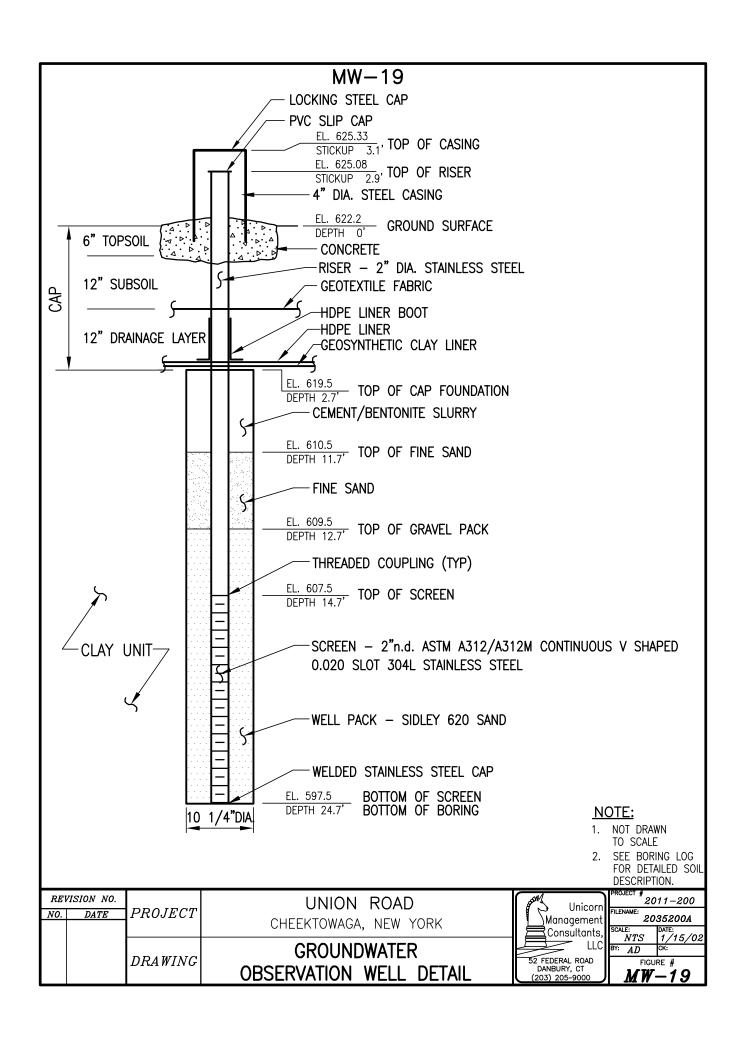


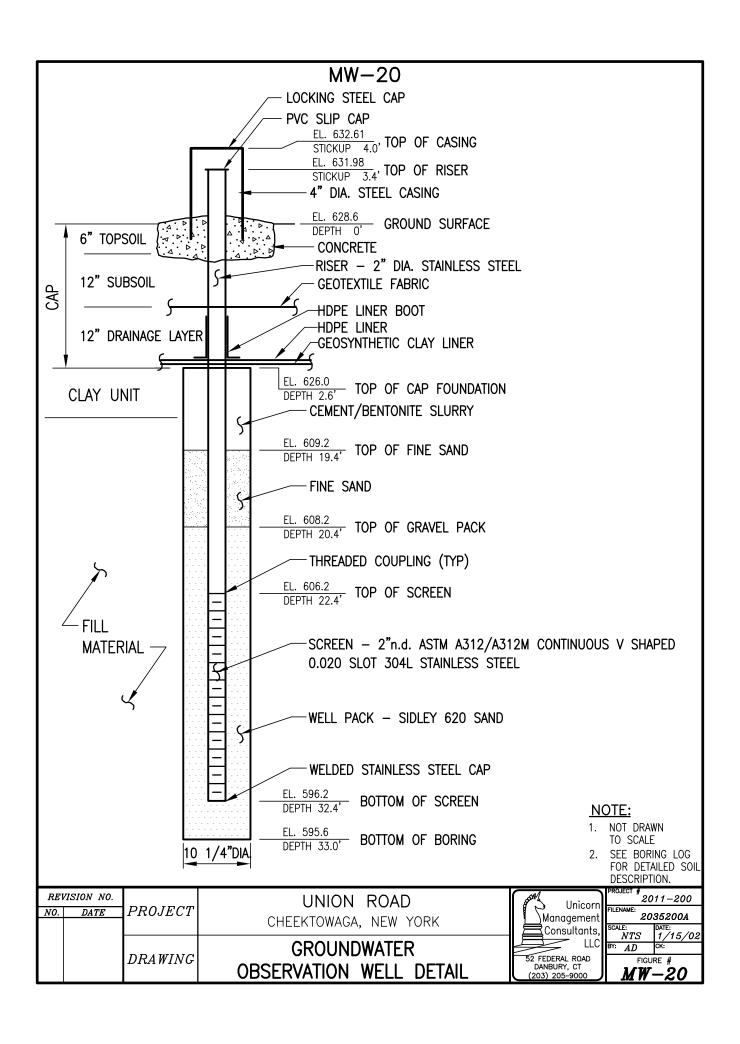


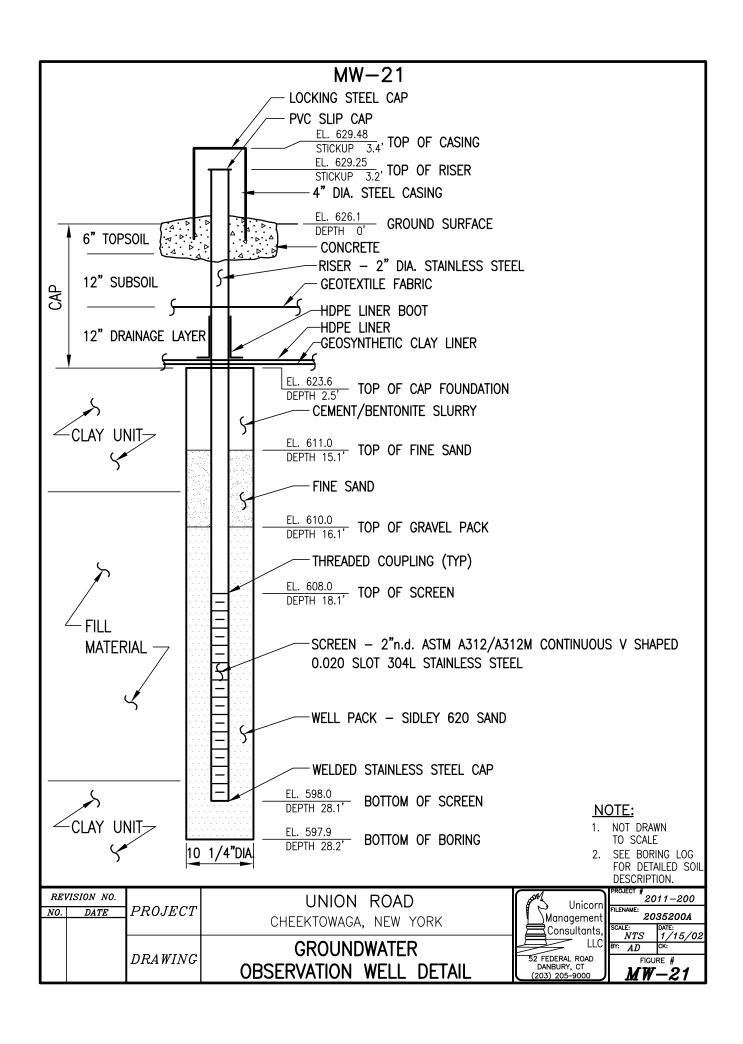


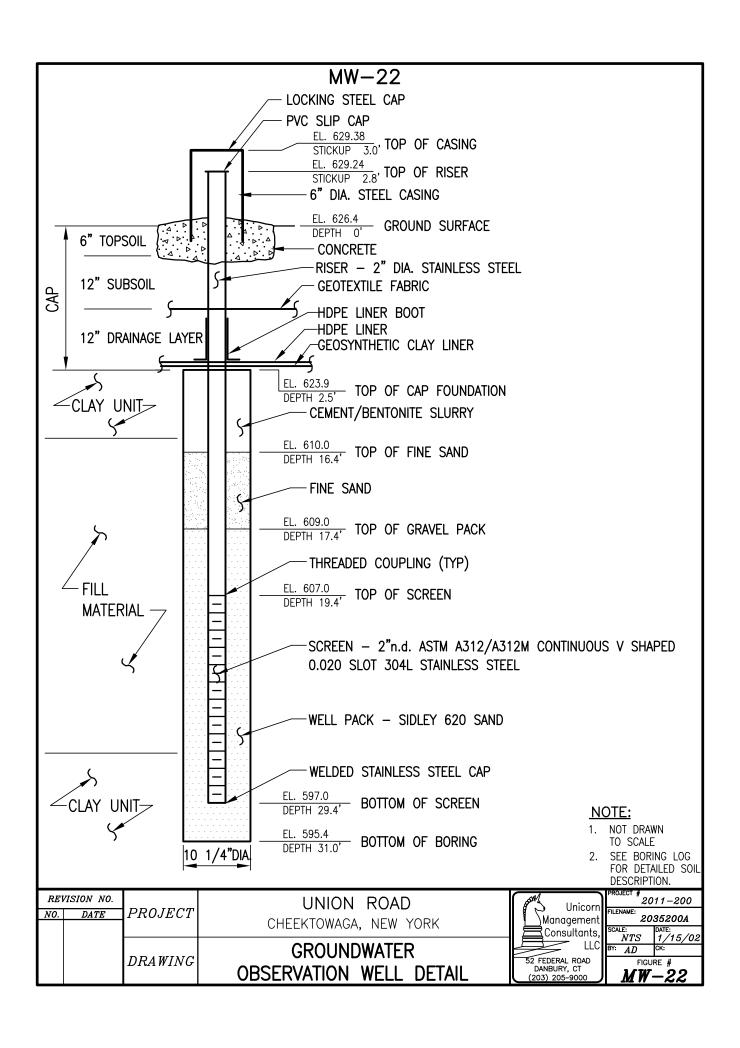


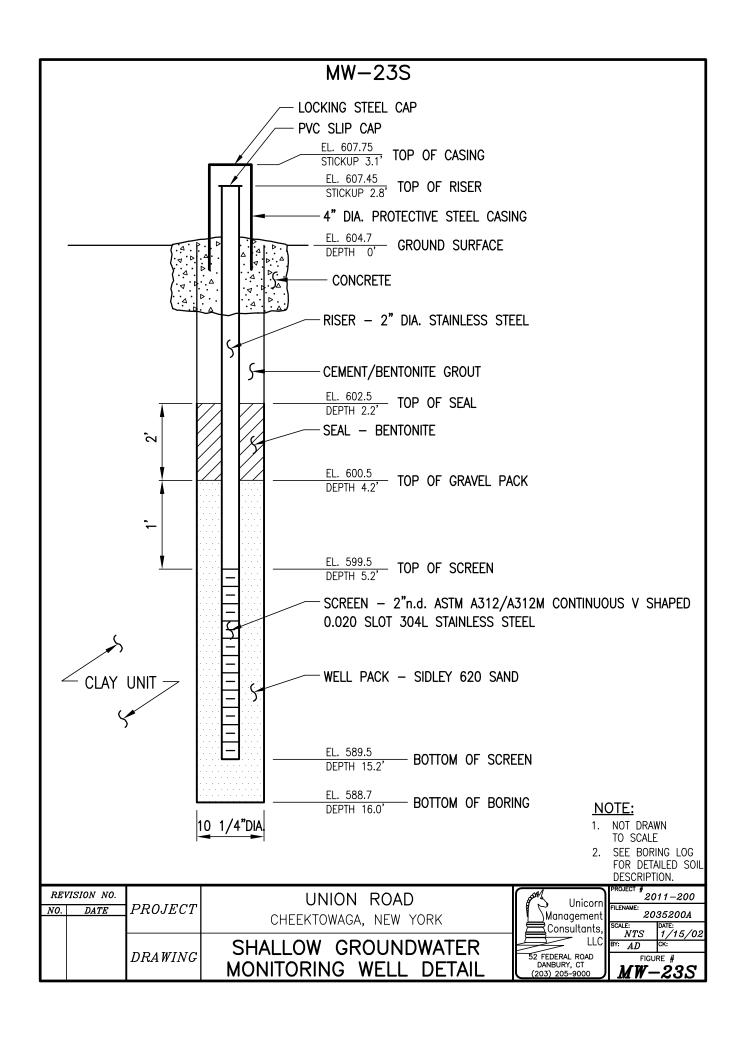












Appendix B
Draft Construction Logs for Replacement Wells
(MW-10R Cluster)

Union Road Well Replacement DRAFT			*			
BORING LOCATION: MW-10 R Cluster COMPLETION DATE:		lay 2025	Unicorn Management Consultants, LLC			
DRILLING CONTRACTOR:		Consultants, LLC				
DRILLING METHOD: NA			52 Federal Road, Suite 2C Danbury, CT 06810			
[] [] [] color, PRII	DESCRIPTION: MARY CONSTITUENT, stituent, moisture, other notes	MW-10S R	Well Construction Union Road Site, Cheektowaga, NY MW-10S R MW-10D R Inactive Hazardous Waste Disposal Site No. 915128			
	gray CLAY, little rocks gray CLAY, some rocks DERS, some rocks DERS, some rocks , some sand, little silt, trace rocks in to brown CLAY frown CLAY, trace silt frown CLAY, little rocks in to brown CLAY frown CLAY, little organics from CLAY, trace organics from SLAY, some sand from SLAY, some sand from SLAY, some sand from CLAY, some sand from CLAY, some sand from SLAY, some sand from SLAY, some sand from CLAY, some sand from SLAY, some sand from SLAY, some sand from SLAY, some sand from SLAY, some sand from CLAY, some sand from SLAY, some sand from CLAY, some sand from SLAY, some sand from SL	Project No. 20	Well Construct Riser Screen Well Sand Bentonite Bentonite Stickup Concrete 10- PRELIMINARY DR. WELL CONSTRUCT LOG LITHOLOGY I IS ESTIMATED BA: 50-ON PREVIOUS BO FOR MW-10 CLUS	Chips Slurry AFT TION INFO SED PRINGS		