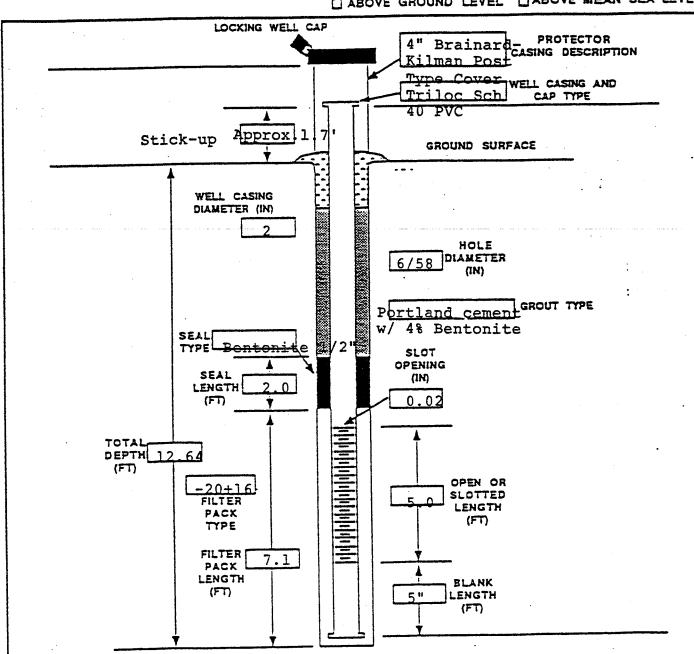
ATTACHMENT E-10 Lithologic and Well Construction Diagrams for the CSI Area Compliance Monitoring Well System



ATLANTA ENVIRONMENTAL MANAGEMENT INC.

WELL CONSTRUCTION DIAGRAM



The well was installed using 6-5/8" (OD) hollow stem

augers to drill the holes. The well was developed using a bailer.

Original well SP-2 was removed during the installation of the

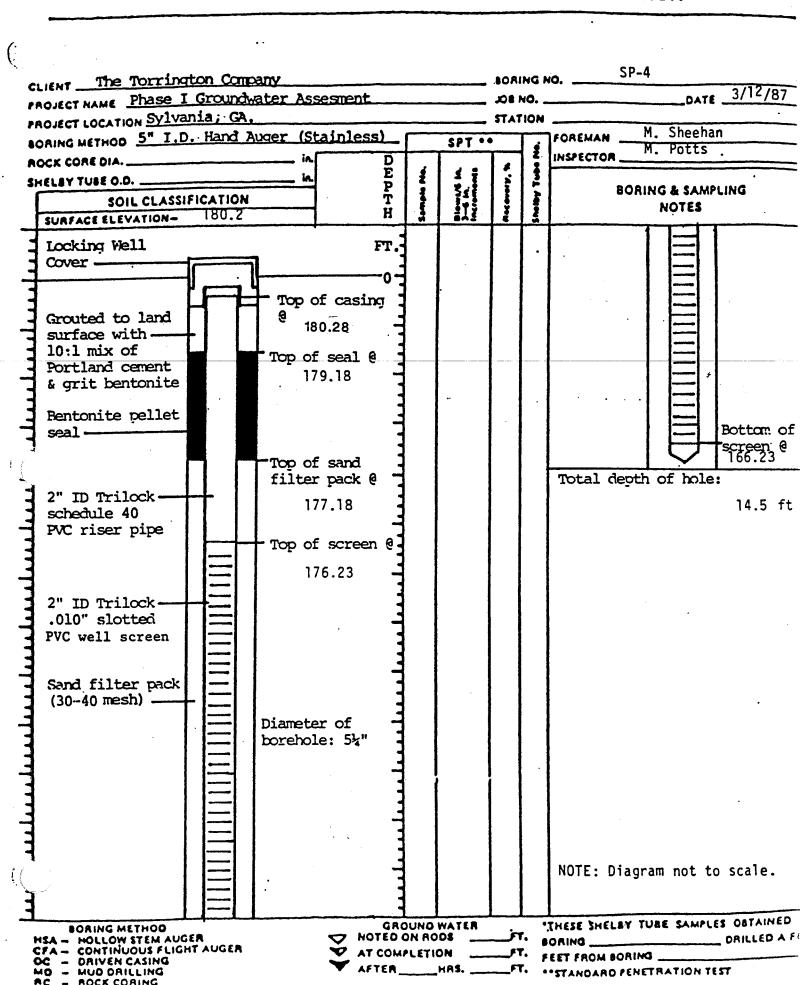
collection trench at the area. This well was installed to replace
the old well and to fulfill the permit conditions

for the site.

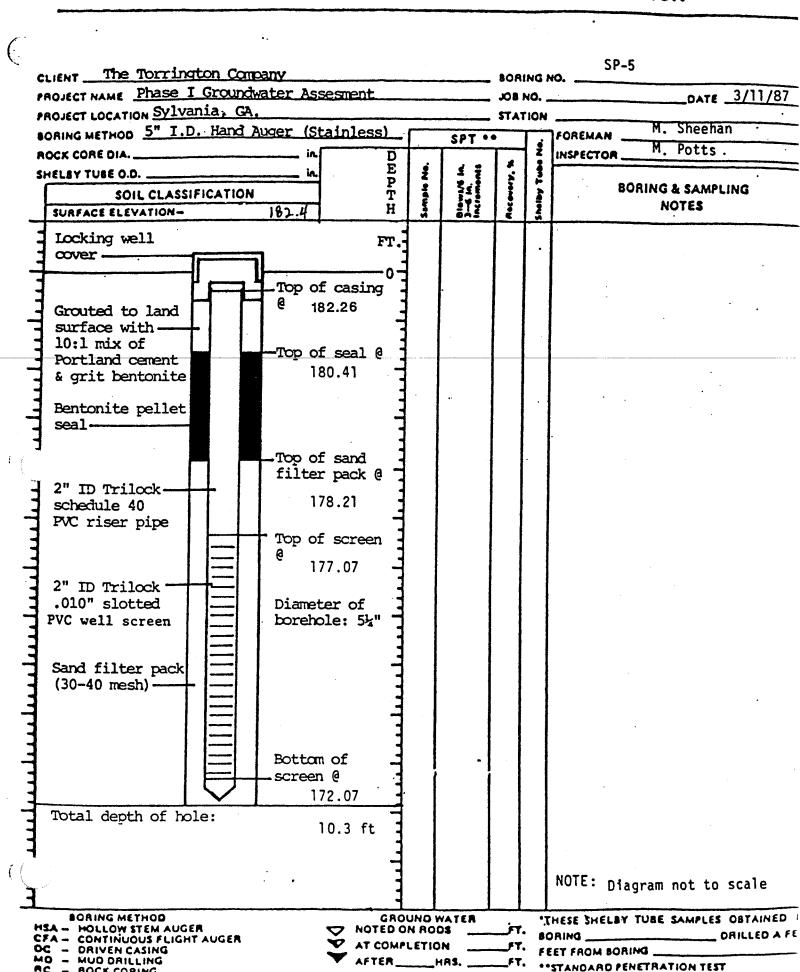
CONSULTANT IN GEOLOGY The Torrington Co. DRILLING LOG hand auger THICKNESS OF OVERBURDEN ELEVATION TOP OF HOLE DEPTH DRILLED INTO ROCK N.A. TOTAL DEPTH OF HOLE ELEVATION GROUND WATER Jerry BOX OR CLASSIFICATION OF MATERIALS LEGENO ELEVATION DEPTH eathering, etc., if significantly 177.090 SM gray to brown tine, silty sand coupling SC orange clayer tine Top of Seal 3.5 becomes mottled gray 1/4 bentonite pellets Top of Sand Top of Screen -Piedrich .006° 2" X5 screen purple s'orange CL gray & purple mottled, Filter Sand = 30, quartz sandy, silty cky much orange sitt 10.0-11.00 Bottom of Hole 11.0 12

				EARL F. T	ITCOMB, IT IN GEOLO	JR. GY					S	ာ
	DRILLIN	NG LOG	COMPA	reing ton Company	INSTALLAT	lvani	. 6			<u> </u>	SHEET	7
	LOCATION (Co	ordinates or S	INDA)	remains sumpany	SIZE AND	TYPE OF BIT	3 14"		-1		OF SHEE	===
	DAILLING AGE	HCY	 		TOTAL NO	OF OVERBUI	NOEN	//0	na c	ruger		\dashv
C_{i}	THICKNESS OF	F OVERBURD	EM	N.A.	DATE HOL		STAR	PD A.	81	court	140 86	-
) ;	DEPTH DRILLE	D INTO ROC	ξ .	N.A.	ELEVATION	TOP OF HOL	17	7.14	1	1 2/	14906	-
	TOTAL DEPTH	OF HOUE	1	/.O'	ELEVATION	GROUND WA	ITER					\dashv
-	NAME OF DAR	LER TO		Reddak	SIGNATUR	E OF INSPECTO	OR OF GEO	OGSI	1	1/1	10%.	\dashv
	ELEVATION	DEPTH	LEGENO	CLASSIFICATION OF MATERIALS (Osscription)		371	BOX OR		(Or ing a	REMARK THE, WEST B	S Cas, depth of	\dashv
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	177.14	0 =	11	<i>CC</i> · · · · · ·		 	144	 	 * -			E
				SC orange silty cla	ayey							
			///	sand		1					•	·E
						· · · · · <u></u>	0.5		-			E
	·	2 -								•		F
			/•//				48	14:	2		• *	E
		二					1 F	ii.		Top a	tonite to sand	þ
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	1	4 =			_		.		7	00.11	tonite beta	E
	•	∃		5.5 becomes orange	with		1 1			,,,,,,,		E
		ゴ	/•//	gray mottling.			1			000	t Sand	E
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		6 =	///								e	E
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		=		CL gray-marcon-oran silty sandy clay.				這		- <i></i>	rsand	E
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	HOLDERS C	71110505	100 mg	A STATE OF THE STA	CANACA CANACA	WO CO	7 10					

CONSULTANT IN GEOLOGY The Torrington Co. INSTALLATION DRILLING LOG Sulvania Ga LOCATION (Coordname or Station) bond auger TOTAL NO. OF OVERBURGEN SAMPLES TAKEN DALLING AGENCY DATE HOLE THICKHESS OF OVERBURDEN DEPTH DRILLED INTO ROCK ELEWITON TOP OF HOLE N.A. TOTAL DEPTH OF HOLE ELEVATION GROUND WATER Terry Reddick SIGNATURE OF INSPECTOR ORLGEOL NAME OF DRILLER CLASSIFICATION OF MATERIALS REMARKS ELEVATION DEPTH LEGENO SAMPLE (Conception) meethering, etc., if significan 0.6 177.85 56 orange silty clayey Top of Seal 14" bentogite Filter Sand #16 5.0 becomes orang-gray mottled Top of Screen Diedrick .010' 2"x5'screen CL mottled orange, marcon gray, silty sandy clay 10.5 much maroon silt. Bottom of Hole 11.0 رو التوليدي ويور تلاوس ورا يستوفر المستوفر

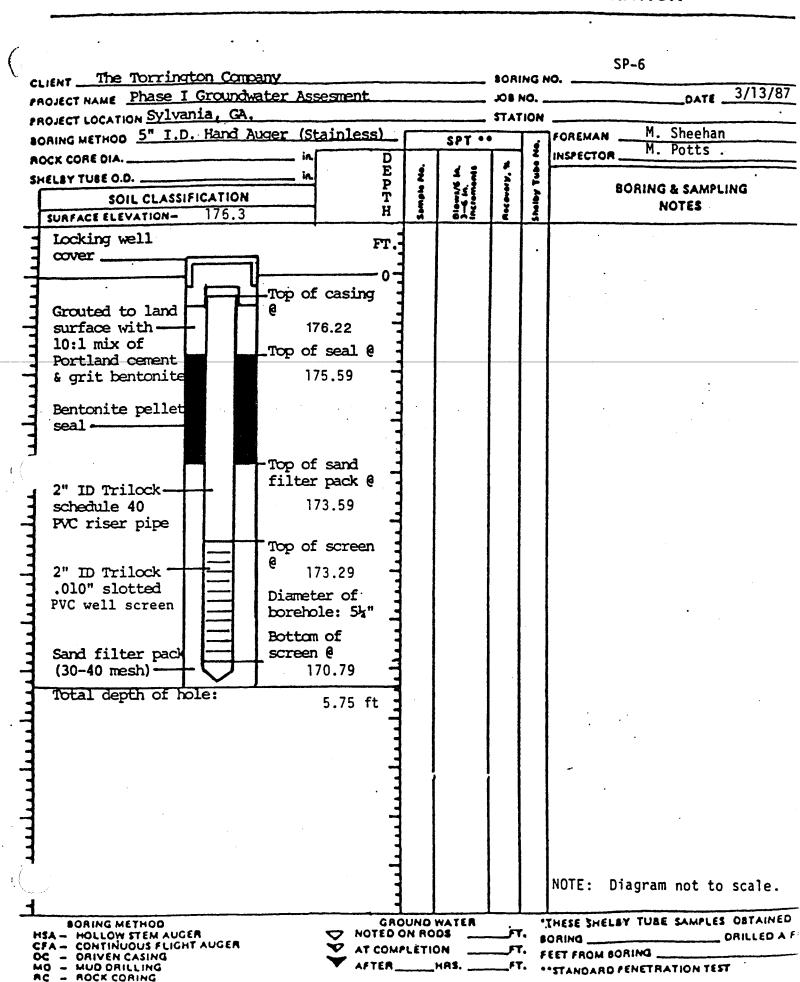


LIENT The Torrington Company				108 M		DATE 3/12/87
ROJECT NAME Phase I Groundwater Ass	esient			STAT		
ROJECT LOCATION Sylvania, GA. ORING METHOD 5" I.D. Hand Auger (St.	ainless)					FOREMAN Jerry Reddick
			SPT .		į	INSPECTOR Michael Sheehan
OCK CORE DIA.	DE PT	ġ	4 7	1	3	·
SOIL CLASSIFICATION	P	9	\$3		7	BORING & SAMPLING
SURFACE ELEVATION 180.2	Ĥ	Se S	an a	ğ	1	NOTES
SURFACE ELEVATION 100.2					<u> </u>	
	FT.				·	
	o-					. 12
(0-0.5) Gray-brown, fine gr., quar	tz sand.	0.5				
(0.5-4.3) Orange-brown, moderately	well	0.5	·			
sorted, fine gr., quartz sand with	minor 7				1	(13.0-14.0) Dark purple, fine
silt.	•		}			to medium gr., quartz sand.
<u> </u>	2-		<u> </u>			(14.0-14.5) Competent, gray-
•				1		white, fat clay with purple
	. 7			Ì		mottling.
	-			į		
	4		Ì			. 16
	3	4.3				
44 2 12 0) Owners have a moderate	ly wall	4.3				
(4.3-13.0) Orange-brown, moderated sorted, fine gr., quartz sand with	iy weii _			l		
and purple mottling.	. 51		Ĭ			·
	6-	1		}		·
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	8 -		1	1		
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·	414	1		1		Rational for discontinuing hole: CH horizon intersected.
		1				noie: Ch norizon intersected.
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	10 -	4	1		1	
	12 -	1				Total Depth: 14.5 ft.
	•	1	1			
BORING METHOD	GR	OUNG	WATER			THESE SHELBY TUBE SAMPLES OBTAINED
HSA — HOLLOW STEM AUGER CFA — CONTINUOUS FLIGHT AUGER	NOTED	ONR	008		T.	BORING DRILLED A FE

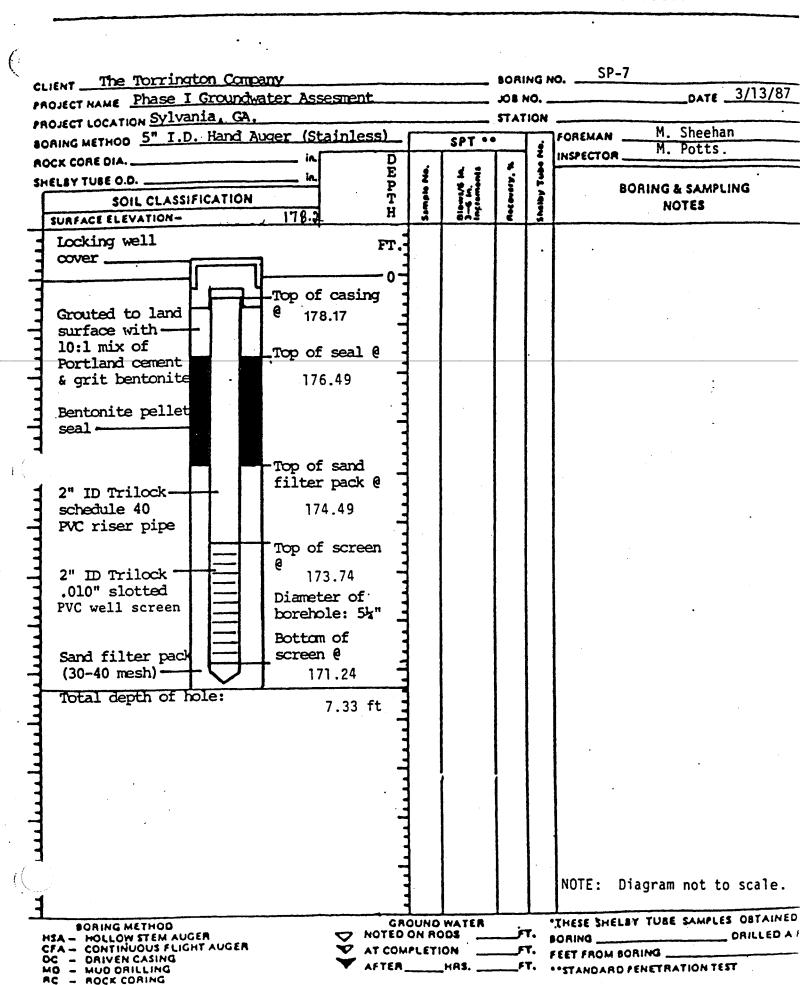


- ROCK CORING

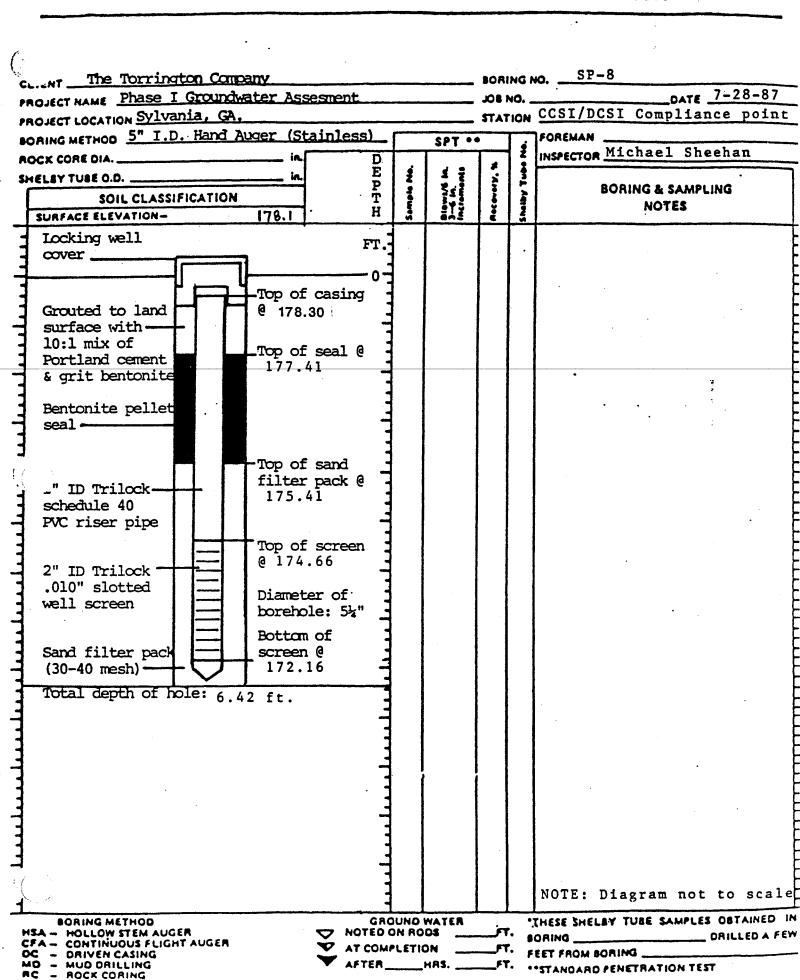
MARK MINO DAY CORRECTOR MARK POLTS SOR CORE DIA. SOL CLASSIFICATION SURFACE ELEVATION— 182.4 FT. (0-2.4) Yellowish-brown, well sorted, fine gr., quartz sand with minor silt/clay. Sorted, fine gr., quartz sand. Color becomes more yellow with depth. (7.5-10.0) Semi-coherent, gray-white, fine gr., clay rich, quartz sand (approx.8 10.0-10.3) Competent, gray and purple (10.0-10.3) Competent, gray and purple Total Depth: 10.3 ft.	AGUECT NAME Phase I Groundwater Assessment Control Sylvania, GA. DRING METHOD 5" I.D. Hand Auger (Stainle			SPT *	STAT		DATE 3/11/8 FOREMAN Michael Sheehan
Total Depth: 10,3 ft.				371	Τ.	Ž	
(0-2.4) Yellowish-brown, well sorted, Fine gr., quartz sand with minor silt/clay. (2.4-7.5) Gray-brown, moderately well sorted, fine gr., quartz sand. Color becomes more yellow with depth. (7.5-10.0) Semi-coherent, gray-white, fine gr., clay rich, quartz sand (approx.8 50% clay) with purple mottling. Rational for discontinuing hole: CH horizon intersect (10.0-10.3) Competent, gray and purple mottled, fat clay. Total Depth: 10.3 ft.	SOIL CLASSIFICATION	E P T H	Semple No.	Blows/6 In. 3-6 In. Increments	Account, &	Shalby Tub	
(7.5-10.0) Semi-coherent, gray-white, fine gr., clay rich, quartz sand (approx.8 50% clay) with purple mottling. (10.0-10.3) Competent, gray and purple mottled, fat clay. (10.3 ft.	(0-2.4) Yellowish-brown, well sorted,	o					
(7.5-10.0) Semi-coherent, gray-white, fine gr., clay rich, quartz sand (approx.8 50% clay) with purple mottling. (10.0-10.3) Competent, gray and purple mottled, fat clay. (10.3 ft.		2-	2.4				*
(7.5-10.0) Semi-coherent, gray-white, fine gr., clay rich, quartz sand (approx.8 50% clay) with purple mottling. Rational for discontinuing hole: CH horizon intersect (10.0-10.3) Competent, gray and purple mottled, fat clay. Total Depth: 10.3 ft.	(2.4-7.5) Gray-brown, moderately well sorted, fine gr., quartz sand. Color becomes more yellow with depth.						
(7.5-10.0) Semi-coherent, gray-white, fine gr., clay rich, quartz sand (approx.8 50% clay) with purple mottling. Rational for discontinuing hole: CH horizon intersect (10.0-10.3) Competent, gray and purple mottled, fat clay. Total Depth: 10.3 ft.		4		·			.• ••
(7.5-10.0) Semi-coherent, gray-white, fine gr., clay rich, quartz sand (approx.8 50% clay) with purple mottling. Rational for discontinuing hole: CH horizon intersect mottled, fat clay. Total Depth: 10.3 ft.		6					•,
(10.0-10.3) Competent, gray and purple mottled, fat clay. 12 Total Depth: 10.3 ft.	fine gr., clay rich, quartz sand (appr	ох,8	7.5				Rational for discontinuing
Total Depth: 10.3 ft.		—10 —					hole: CH horizon intersect
COOLING WAYER STREET TURE SAMPLES OBTA	nocured, rac oraș.	12					make 1. Domithic and a
	BORING METHOD	69	- OUND	WATER			Total Depth: 10,3 ft. THESE SHELBY TUBE SAMPLES OBTAIN



ROMECTION STATION SORING METHOD 5" I.D. Hard Auger (Stainless) SPT " SORING METHOD 5" I.D. Hard Auger (Stainless) SHEET TURE 0.0. SHELBY TURE 0.0. SHELBY TURE 0.0. SHELBY TURE 0.0. SHELBY TURE 0.0. SORING & SAMPLING NOTES FT. (0-5.4) Light gray to orange-brown, moderately sorted, fine to medium gr., quartz sand. Increasing clay content with depth. Purple mottling below 2.0 ft. (5.4-5.75) Competent, purple-gray, mottled fat clay. (5.4-5.75) Competent, purple-gray, mottled fat clay. Rational for discontinuing hole: CH horizon intersected.	PROJECT NAME Phase I Groundwater Ass	esment					oSP-6
SORING METHOD SOLICLASSIFICATION SOLICLASSIFICATION SURFACE ELEVATION- 176.3 FT. (0-5.4) Light gray to orange-brown, moderately sorted, fine to medium gr., quartz sand. Increasing clay content with depth. Purple mottling below 2.0 ft. (5.4-5.75) Competent, purple-gray, mottled fat clay. Reference of the same o	POJECT LOCATION Sylvania, GA.				STAT	ION	
SOLICLASSIFICATION SURFACE ELEVATION— 176.3 FT. (0-5.4) Light gray to orange—brown, noderately sorted, fine to medium gr., noverately sorted, fine to medium gr., quartz sank. Increasing clay content with depth. Purple mottling below 2.0 ft. (5.4-5.75) Competent, purple—gray, mottled fat clay. (5.4-5.75) Competent, purple—gray, mottled fat clay. (5.4-5.75) Competent, purple—gray, mottled fat clay. (6.4-5.75) Competent, purple—gray, mottled fat clay. (7.4-5.75) Competent, purple—gray, mottled fat clay. (8.4-5.75) Competent, purple—gray, mottled fat clay. (8.4-5.75) Competent, purple—gray, mottled fat clay. (8.4-5.75) Competent, purple—gray, mottled fat clay. (9.4-5.75) Competent, purple—gray, mottled fat clay. (10.5-4-5.75) Competent, purple—gray, mottled fat clay.	ORING METHOD 5" I.D. Hand Auger (St	ainless)_	<u> </u>	SPT .	•		FOREMAN Mark Potts
SOIL CLASSIFICATION IN THE SOIL CONTROL CLASSIFICATION IN THE SOIL CLASSIFICATION	. (D		<u> </u>	T.	Ž	INSPECTOR Mark Potts
SOLIC CLASSIFICATION THE SUPPLIES AND TES NOTES FT. (0-5.4) Light gray to orange-brown, noderately sorted, fine to medium gr., quartz sand. Increasing clay content with depth. Purple mottling below 2.0 ft. (5.4-5.75) Competent, purple-gray, mottled fat clay. (5.4-5.75) Competent, purple-gray, mottled for discontinuing hole: CH horizon intersected.		E	Ž	4 1		3	•
SURFACE FLEVATION— 176.3 H		${f T}$	į			3	.
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(0-5.4) Light gray to orange-brown, moderately sorted, fine to medium gr., quartz sand. Increasing clay content with depth. Purple mottling below 2.0 ft. 2 (5.4-5.75) Competent, purple-gray, mottled fat clay. 6 Rational for discontinuing hole: CH horizon intersected.		EVI					·
moderately sorted, fine to medium gr., nuartz sand. Increasing clay content with depth. Purple mottling below 2.0 ft. 2 (5.4-5.75) Competent, purple-gray, mottled fat clay. 8 Rational for discontinuing hole: CH horizon intersected. 10 12 Total Depth: 5.75 ft.		F 1 •]					•
moderately sorted, fine to medium gr., nuartz sand. Increasing clay content with depth. Purple mottling below 2.0 ft. 2 (5.4-5.75) Competent, purple-gray, mottled fat clay. 8 Rational for discontinuing hole: CH horizon intersected. 10 12 Total Depth: 5.75 ft.		o -					·. ·
Total Depth: 5.75 ft. Cornection of the content with depth. Purple mottling below 2.0 ft. 2 2 3 4 4 4 4 4 4 4 4 4	(0-5.4) Light gray to orange-brown	· ·				İ	·
Gepth. Purple mottling below 2.0 ft. 2 (5.4-5.75) Competent, purple-gray, mottled fat clay. 8 Rational for discontinuing hole: CH horizon intersected. 10 12 Total Depth: 5.75 ft. **AGRING METHOD GOUND WATER NOTED ON ROOS PROOS PROOS OFFICE ON ROOS OFFIC	moderately sorted, like to medium	ont with		·			
(5.4-5.75) Competent, purple-gray, mottled fat clay. 8	depth. Purple mottling below 2.0 f	t.				1	·
Rational for discontinuing hole: CH horizon intersected. 10 10 Total Depth: 5.75 ft. *THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON ROOS PAINED OR POLICE OF A P		•					
Rational for discontinuing hole: CH horizon intersected. 10 10 Total Depth: 5.75 ft. *THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON ROOS PAINED OR POLICE OF A P		2-			 	<u> </u>	
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Rational for discontinuing hole: CH horizon intersected, 10 10 Total Depth: 5.75 ft. **THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON ROOS** **THESE SHELBY TUBE SAMPLES OBTAINED PRILED AND PRILED PRI	/5 1 5 35) 0 - Last		5.4		ł		
Rational for discontinuing hole: CH horizon intersected. 10 Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER PROTED ON RODS T. SORING DRING DRILLED A FAILED A FAILED AND DRILLED A FAILED AND DRILLED A FAILED A FA		" INDECTION			l		
Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER Total Depth: 5.75 ft. THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON ROOS PT. BORING DRILLED A F	lac ciay.	0 3					·
Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER Total Depth: 5.75 ft. THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON ROOS PT. BORING DRILLED A F					1		
Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER Those Shelby Tube Samples Obtained NOTED ON ROOS — FT. BORING — DRILLED AF		-			l		
Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER Total Depth: 5.75 ft. THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON ROOS PT. BORING DRILLED A F		3	1		1		
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Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER Total Depth: 5.75 ft. THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON ROOS PRILLED A F		8 _	1				
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BORING METHOD BORING METHOD HSA - HOLLOW STEM AUGER Total Depth: 5.75 ft. *THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON RODS TOTAL Depth: 5.75 ft.		-	1	ŀ	I	1	Rational for discontinuing
Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER TOTAL Depth: 5.75 ft. "THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON RODS TOTAL Depth: 5.75 ft.			1		1	1	hole: CH horizon intersected.
Total Depth: 5.75 ft. BORING METHOD HSA - HOLLOW STEM AUGER Total Depth: 5.75 ft. *THESE SHELBY TUBE SAMPLES OBTAINED NOTED ON RODS TOTAL DEPTH: 5.75 ft.			1		1	١.	
BORING METHOD GROUND WATER THESE SHELBY TUBE SAMPLES OBTAINED HSA - HOLLOW STEM AUGER ORILLED A F		10	ł	}	}		·
BORING METHOD GROUND WATER THESE SHELBY TUBE SAMPLES OBTAINED HSA - HOLLOW STEM AUGER ORILLED A F			1	•			
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BORING METHOD GROUND WATER THESE SHELBY TUBE SAMPLES OBTAINED HSA - HOLLOW STEM AUGER ORILLED A F		•	1		1		ŀ
BORING METHOD GROUND WATER THESE SHELBY TUBE SAMPLES OBTAINED HSA - HOLLOW STEM AUGER DRILLED A F	4	12 -	1	1			Total Depth: 5 75 ft
MSA - HOLLOW STEM AUGER ONTED ON RODST. BORING DRILLED A F	· •	•	1-	1			10001 00000 5.75 10.
MSA - HOLLOW STEM AUGER ONTED ON RODST. BORING DRILLED A F	1		1	<u> </u>		ل	THE CAME S ORTAINED
	HSA - HOLLOW STEM AUGER	GR-	ON RO	WATER	خــــ	т.	ADRING DRILLED A F



LIENT The Torrington Company ROJECT NAME Phase I Groundwater Asse	sment					DATE _3/13/87
ROJECT LOCATION Sylvania, GA. ORING METHOD 5" I.D. Hand Auger (Sta	inless) (STAT	ION	FOREMAN _ Mark Potts
	D		SPT .		į	INSPECTOR Mark Potts
OCK CORE DIA	E P T H	emple Ne.	lows/6 fa. -6 fa. scromonts	Scorety. &	halby Tube	Boring & Sampling Notes
SURFACE ELEVATION- 178.2 (0-5.5) Light orange-brown, fine gr	FT.	•	00-3		•	
quartz sand with approx. 5% silt.	2-		·			•
			·			
	4					
(5.5-7.0) Light orange-brown, fine quartz sand with approx. 50% clay. Purple mottling present.	gr.,	5.5				
(7.0-7.33) Competent, purple-gray, clay.	fat 8	,				
	10					Rational for discontinuing hole: CH horizon intersecte
•	· •					•
BORING METHOD	12 -	OUN!	WATER	_ نــــ		Total Depth: 7.33 *THESE SHELBY TURE SAMPLES OBTAINS BORING



				•
CLIENT The Torrington Company				I NO. SP-8
PROJECT NAME Phase I Groundwater	Assessment	•	JOB NO.	DATE 7-28-87 N CCSI/DCSI Compliance point
PROJECT LOCATION SYLVANIA GEORGIA	(St. of n 1 o Free			FOREMAN
ORING METHOD 5" I.D. Hand Auger		SPT		
ROCK CORE DIAIN	D E P	4 =	*	indrection
SHELBY TUBE O.D in.	P	\$3 E		BORING & SAMPLING
SOIL CLASSIFICATION SURFACE ELEVATION- / 178.1	H E	15		NOTES
SURPACE ELEVATION / 1 (0.1	FT			
3 ··	1			
	0=			
(0-2.0) Light orange-brown, moderately sorted, fine grain	ined 1			1
silty quartz sand. Silt fra	action			
approx. 30%.	7			
4				
(2.0-6.0) Slightly mottled,	110ht 2			
orange-brown and grey, silty	quartz			
sand. Moderately sorted.	Silt d			•
fraction approx. 30%. Clay	content			
creases with depth.	3	1		
1	4-			
4	<u> </u>			
3 .	4			
3	1			
3	‡	1		
(6.0-6.4) Mottled, light gr	ey, 6.			# 1
maroon, and yellow-brown fa	t clay.			·
	=======================================			
‡	7			
	Es			
	3			
1	3		}	
3	7			
3	1			Rationale for discontinuin
	4			hole: CH horizon inter- sected.
1	1	1	1	sected.
\$	‡			
7	3	1		
1	3		1 1	
		:		
. `]-			Total Depth: 6.42 ft.
3				
BORING METHOD HSA — HOLLOW STEM AUGER	GROUN ON I	O WATER	۲۰ز	THESE SHELBY TUBE SAMPLES OBTAINED IN BORING DRILLED A FE
CFA — CONTINUOUS FLIGHT AUGER OC — DRIVEN CASING	AT COMPLE			PON1140
MO - MUD DRILLING	AFTER	HAS	FT.	

WELL CONSTRUCTION DIAGRAM

ATION: CCSI Area	ELEVATION:
MIMBER: DI ON	TOTAL TICASING TIPROTECTOR CASING
INSTALLED: 6/7/90	ABOVE GROUND LEVEL MABOVE MEAN SEA I
LOCKING WI	PROTECTOR
	4" Steel Postcasing DESCRIPTION
	4 Steel rosponie
	WELL CLISING AND
	2" Sch 40PVC Cap TIPE
æ 1.5	E
(≈ 1	GROUND SURFACE
<u> </u>	
	H H
WELL CASING	F-1 F-1
DIAMETER (IN)	일 일
2.0	
	HOLE 8.5 CM Portlant Cement GROUT TYPE W/5° Bentonite
	8.5 DIAMETER
	(M)
•	Portlant Cement GROUT TYPE
	w/5° Bentonite
SEAL Bentoni	tel B B W/5 Benconice
TYPE	
A	OPENING
SEAL LENGTH 1.0	(IN)
(FT) ▼	0.010
·	
DEPTH 10.09	OPEN OR 5.0 SLOTTED LENGTH
(FT)	
20-30 Mesh	OPEN OR
FILTER Sand	5.0 SLOTTED
PACX	
TYPE	
FILTER 8.5	59
LENGTH	SLANK
(FT)	1.5 LENGTH
	(FT)
	After installation
COMMENTS: Well was drilled	using hollow stem augers. After installation
well was developed using a ded	icated PVC bailer.
well was developed using a ded	

Atlanta Environmental Management, Inc. Monitoring Well Log

		Date:	6/7/98
Driller:	SP-8A CCSI Adjac Paul	ent to W-11 Bentonite Seal: 1.5 Concrete Seal from 0	mesh to 1.5 ft. ft. to 0.5 ft. 5 ft. to surface ft. below well top
Depth From	(feet) To	Lithology	Remarks
0.0	5.0	SC-tan brown yellow fine to medium ground clayey	Sample #1
,		sand	3.0' - 5.0'
8.0	10.0	CH-Maroon, light gray stiff clay with less than	Sample #2
		5% sand	8.0 - 10.0
		Well was terminated two feet into lower confining	
		clay unit. After installation well was developed	
		using a dedicated bailer.	
			·
			
	 		
	<u> </u>		
	<u> </u>		
	1		
			



WELL CONSTRUCTION DIAGRAM

JOB NUMBER:
GROUND SURFACE GROUT TYPE HOLE HOLE HOLE HOLE GROUT TYPE HOLE HO
3 - 3

Versar_{ka}

WELL CONSTRUCTION RECORD

PROJECT: LOCATION:_	YORRING!	TON G	<u>Co.</u>			JOB NUMBER		•	
WELL NUMBE	:p. Si	2-9	1			GROUND ELEVAT	rion.	71.6 8	
DATE INSTA	LLED:	12.3	3 . 87			WELL CASING E	I EVATION:	171.11 F	t
FIELD REPR	ESENTATIVE:	. Ih	HRK	27704		PROTECTOR CAS			
DRILLING CO						LOCATION SKE		_	
DRILLER:			NSE N	0		LOCATION SKE	/ /	A.	
DRILLING ME							1 /	7	
RIG TYPE: _		CUDEA	<u> </u>			SP-1 140	G-1 8	p-9	1
FORMATION	SCREENED:	Shaller	JWai	ir ta	ble	•	21	•	
	HOLE	F	ND	<u> </u>	· ·		1		
BIT TYPE	DIA.		TH*		סוט	מינים	771		
	(IN.)	(F	T.)	TY	'PE	7 1	<u> </u>		
HAND AUGER	- 4	11'	11/4"	4	A	fonces 1841L	eq		
standard		·				area.		······································	
							····	•	
							TIME LO	og	
				L		ACTIVITY	DATE	START	END
						DRILLING			
PROTECT	OR, CASING	& SCF	EEN F	RECOR	D	CASING			
			ųΞ		∑			·	
DESCF	RIPTION	ا بر ا	₹ [5]	۵	Ĕ.	FILTER PACK			
		DIA. (IN.)	TOTAL LENGTH	ō.	воттом	SEAL Grout			
sch. 40 PV	C-Triba (0.01")			0.49		DEVELOPMENT	-		
Slotte) .					SURVEY			
	Triboc riser	2	5ft	5.49	10.49	OTHER			
botton pl	mg-PVC	4	5 in	10.49	11.01	CDC	UND WATE	B 1 EVELO	
	L asaptér	Q		11.01		DURING DRILLING		H LEVELS	
threaded Li	rching top	2	1/2 in	0.49	0.61	DOMING DIMEEN	.		
······································	- 		'	<u> </u>					
сомя	PLETION MAT	rerial	S REC	ORD					
					Σ				
	DESCRIPTION	1			٤.				
				TOP .	воттом	WE	LL DEVEL	OPMENT	
30-40 Me	sh olfama	Silvice	لاسم		11' 114	Bastel no	til denne	nn're	
	onilé perlet		32.4	3'0"	4'6"	d 1.66"	OD PVC	soiler)-	
	and cement		mile	0,	3'0"	dedicated.	-		
mix		1-							
	aired akel	s anh	ete						:
9200	nized skel metalled at	الممعا	- harl	4					
/CAAM	manufacture and	,,,,,,,,				L			
	A 4		. .			OM GROUND SUR			
COMMENTS:	AN Com	pnest	M	20 RI	lam	cleaned and	wached		

PROJECT: YORRINGTON CO.	
LOCATION: SYLVANIA, CA.	
BOREHOLE NUMBER: SP-9	
DATE DRILLED. 12.3.87	
FIELD REPRESENTATIVE: MARK POMS	
DRILLING CONTRACTOR:	
DRILLER:	
DRILLING METHOD: HAND AUGER	
HOLE DIAMETER: 4" 0.0'.	
GROUND ELEVATION: 171.6 ft	_
CONDITION OF COOLIND CUREACE.	

JOB NUMBER:
LOCATION SKETCH
NE NE
Sp-9 52-9
001115110

1			SA	MPL	E		
	DEPTH	NUMBER	INTERVAL AND TYPE	ADVANCED/ RECOVERED	> 9	WATER TABLE	SAMPLE DESCRIPTION (SOIL OR ROCK TYPE, COLOR, GRAIN SIZE, SORTING, ROUNDNESS, PLASTICITY, MOISTURE CONTENT, TRACE MATERIALS, ODOR, STAINING, TRACE GAS READINGS, FORMATION TOPS)
	JE 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10	NN ·	INI AN	AD	DEF	M	0-1/2' Light gray fine - grained sand. Frieble 1/2-4' Vellowish brown fine to medium grained clayey sand. Poorly sorted Increase in clay content at 3/2-4 feet. 4-8' Red and yellow mottled whitish gray clayey fine to medium - grained clayey sand. 8-9' SC-CH. Purple mottled gray clayey sand - lean clay. Blebs of rand within clay. Blebs of rand within clay. you to several inches. Moist - g' clay. you to several inches. Moist - g' clay. Yery stiff.
E					<u> </u>		Water level above ctay. Made Water - Am nood

WELL CONSTRUCTION DIAGRAM

CATION: Sylvania, ELL NUMBER: SP-10 ATE INSTALLED: Ma		ELEVATION: 178.8 Ft
	LOCKING WELL CA	4" Locking PROTECTOR CASING DESCRIPTION 2"Sch 40 PVC CAP TYPE
St	ick-up 2.13ft.	GROUND SURFACE
	WELL CASING DIAMETER (IN)	
		HOLE 5-1/4 DIAMETER (IN) GROUT TYPE
	SEAL Bentonite SEAL LENGTH 2 (FT)	Portland Cement Bentonite SLOT OPENING (IN)
TOTAL DEPTH 8 (FT)		OPEN OR SLOTTED LENGTH
	FILTER 5.4 PACK LENGTH (FT)	BLANK O 4' LENGTH (FT)
COMMENTS: The	well was develo	oped using a bailer

Atlanta Environmental Management Inc. Monitoring Well Log

			Date:	3/1/88
Driller Geologi	o: SI on: Point CCS	rington Co P-10 of Compliance SI and DCSI M. Potts M. Potts Hand Auger (5")	Water Level:ft. Well top elevation:	ft. toftft. to surface below well top.
Depth Prom	(feet) To		Lithology	Remarks
7	2	very bard SC-Grayish wh medium sand. Increasing cl depth to with 6-1/2 - 7' CH-Stiff gray purple mottli	own silty fine, ite clayey fine to Up to 30% clay ay content with in 40% clay at fat clay with ng within 10-15% 3.5 ft. within 1-1/2	Mottling 3-4' down

Atlanta Environmental Management Inc. Konitoring Well Log

Date: September 14, 1988 Torrington Company Screened From: 17.1 ft. to 7 1 ft. Owner: Gravel Pack: +16 mesh to 6 5 ft. Well No: Sylvania, Georgia Bentonite Seal: 6.5 ft. to 4.5 ft. Location: Concrete Seal from 4.5 ft. to surface Water Level: 6.70 ft. below well top. (11.7-88 Paul Clawson Driller: Well top elevation:____ M. Potts Geologist: Drilling Method: Rotary-6-5/8" OD HSAugers Depth (feet) Remarks Lithology To Prom SM-Dark gray silty (approx. 5%) fine sand, dark gray, moderately sorted Yellowish brown, poorly sorted clavey (approx. 20%) fine sand, poorly sorted, orangish color at ! 4' water table at approx. 9-10 ft Below water table light gray SC | with orange mottling. Same as above, only color change. 14-179 Approx. 30% Clay (SC) Stiff, whitish gray clay. Drilling change Mottled homogeneous, Greater 14-1/2 (CH) than 5% sand and silt TD 17.5 ft. into confining clay allowed for installation of a shallow monitoring well in the perched water table.

EARL F. TITCOMB, JR. Monitoring Well DRILLING LOG Torrinaton TOTAL NO. OF OVERBURDEN SAMPLES TAKEN STARTED 28 Oct 84 **ELEVATION TOP OF HOLE** DEPTH DRILLED INTO ROCK ELEVATION GROUND WATER TOTAL DEPTH OF HOLE 20.0 1. SIGNATURE OF INSPECTOR NAME OF DRILLER Paul Clawson CLASSIFICATION OF MATERIALS SAMPLE SPT ELEVATION LEGEND DEPTH (Description) NO. ring, etc., if significant) 174.87 171.86 Sackreta Backfill 167.045 1/2 diameter Benfonite pellets 165.26 Well Gravel 157.76 To Hole Reamed to 45/8 Diameter Cuttings 154.79 20 Riser Pipe 2" PVC th Screen 2"PVL prepacked Rockwall"

								w ⊃			
DRILLIN	G LOG	COMPAN		INSTALLATIO	5.1	lania	Ga	SHEET	SHEETS		
LOCATION (CO.	manage, 89 S		rrington	SIZE AND T	PE OF BIT		D. Splitspe		STILE 13		
PILLING AGE	NCY	0 1	Clawson		OF OVERBURD		7017.525	~/			
CKNESS OF	OVERBURD			DATE HOLE STARTED COMPLETED 28 Oct 84 COMPLETED 28 Oct 84							
DEPTH DRILLE	D INTO ROCI		<u>/A</u>	ELEVATION TOP OF HOLE / 7/.94' ms (
TOTAL DEPTH	OF HOLE	N.		ELEVATION	GROUND WATE	.0		111. 04			
NAME OF DRIL	LER /		.o.'	SIGNATURE	OF INSPECTOR	OF GEOLO	1 CT - 4	Nov 84)			
	1	20/	Clawson		<u>e</u>	BOX OR		P. G.			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)		SPT	SAMPLE NO.	(Drilling time	, water loss, depth o g, etc., if significant)	×		
	_		,						E		
					.			4	E		
							•		.		
171.94	0=	7 807						·			
	_ =	1999	SC mottled orange-9 very clayey medium s	ray,			Extra 9	vart jar	of E		
		777	very clayey medium s	iand			samak	taken. Re	covery		
		1999	•				was 100	0/			
		17/2	·		. 18-	1	was roc	, <i>1</i> 0.	,		
WL5.5	5 —	1999					2		F		
3Nov84		199	• "				Boring a	aovances	F		
•		1999		٠			using l	iquid Poly	, 601 F		
163.4		1979					drilling	fluid.			
	10=		CL orange-gray moti	Yed	17-	2	7	•••	E		
	/O =		silty clay . Clay gray a	v ith							
	=		orange silt.					*	ļ		
			sandy layer 11 to 12'						F		
	=		areenish amy homoust	nous	10-	3			E		
	15-		greenish gray, homoge very little or nositt		,,,						
			Munsell 104 6/2 pale	dine					-		
٠			Munsell 10 7 4/2 pare	Onve							
	=										
	- =	1///	·		17-	4			ļ		
151.9	20-		Bottom of Hok 20.0	,							
] =	3					BLÓWS I	PER FOOT:			
	_] ,	OTE: Soils field class	ified		M	ber requi:		70		
	1 =	-	accordance with the U	nified		.10.	" ID split	spoon w/l	40 16.		
		4 :	oil Classification Syst	ers.		ำล	nmer falli	ng 30"	-		
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The Torrington Company PHOJECT NAME SYLVANIA, GA						8 B CC.	10	DATE 6-24-86
							ION	FOREMAN Bob Alexander (Sunrise/A)
ROCK CORE DIA in.		T			Τ.		Š	INSPECTOR Mark A. Potts (SSA)
SHELBY TUBE O.D in.	ن ح ع	L	نيا	ż	4 5		3	
SOIL CLASSIFICATION	3 Ę	To a	4 .	1	35 8	20	, /4!	BORING & SAMPLING NOTES
SURFACE ELEVATION- 178.79 ft.	36	٤٥	83	3	ST.	ě	S he	MOLEZ
181.04 ft Top of Casing	•						•	Hole was drilled to a company depth of 15 feet using
				٠				a 6" (OD) hollow-stem F auger. A 16 feet
Portland Cement								section of 6" schedule response to the hole and driven with the 140 lb hammer until securely
			111111111				·	seated in the confin- ing layer. Using a bentonite drilling mud, drilling con- tinued using a 5 1/4"
計画 threaded PVC Riser Pi	pe)	11111111111				•	roller bit. Filter sand was laid down using tremie pipe. The well was developed using a hand pump. A locking cover was installed to secure the well.
Filter Sand Filter Sand (Fill)								#G11.
			11 11 11 11					
	PROJECT NAME PROJECT LOCATION Sylvania, GA SORING METHOD ROCK CORE DIA. IN. SOIL CLASSIFICATION SURFACE ELEVATION— 178.79 ft. 181.04 ft Top of Casing Portland Cement 2" (diameter) Trilock threaded PVC Riser Pi and Screen (.010" slo	PROJECT NAME PROJECT LOCATION Sylvania, GA SORING METHOD SOIL CLASSIFICATION SURFACE ELEVATION— 178.79 ft. 181.04 ft Top of Casing Portland Cement 2" (diameter) Trilock threaded PVC Riser Pipe and Screen (.010" slotted Filter Sand	PROJECT LOCATION Sylvania, GA SORING METHOD SOCK CORE DIA	PROJECT LOCATION Sylvania, GA PROJECT LOCATION SYlvania, GA SORING METHOD SOIL CLASSIFICATION SURFACE ELEVATION— 178.79 ft. 181.04 ft Top of Casing Portland Cement 2" (diameter) Trilock threaded PVC Riser Pipe and Screen (.010" slotted) Filter Sand	PROJECT NAME PROJECT LOCATION Sylvania, GA PROJECT LOCATION Sylvania, GA PROJECT LOCATION SOURCE CLEVATION 178.79 ft. 181.04 ft Top of Casing Portland Cement 2" (diameter) Trilock threaded PVC Riser Pipe and Screen (.010" slotted) Filter Sand	PROJECT NAME PROJECT LOCATION Sylvania, GA SOCK CORE DIA. SOIL CLASSIFICATION SURFACE ELEVATION— 178.79 ft. 181.04 ft Top of Casing Portland Cement 2" (diameter) Trilock threaded PVC Riser Pipe and Screen (.010" slotted) Filter Sand	PROJECT NAME PROJECT LOCATION Sylvania, GA STAT SORING METHOD SOLI CLASSIFICATION SURFACE ELEVATION— 178.79 ft. 181.04 ft Top of Casing Portland Cement 2" (diameter) Trilock threaded PVC Riser Pipe and Screen (.010" slotted) Filter Sand	PROJECT NAME PROJECT LOCATION SYlvania, GA STATION SORING METHOD SOLIC CLASSIFICATION SURFACE ELEVATION— 178.79 ft. 181.04 ft Top of Casing Portland Cement 2" (diameter) Trilock threaded PVC Riser Pipe and Screen (.010" slotted) Filter Sand

Sheet No. 1 of 2

CLIENT The Torrington Company						BOR	ING	NO. W11
PROJECT NAME								DATE 6-24-86
PROJECT LOCATION Sylvania. GA								
BORING METHOD Mud Rotary, 54" Roll	er bi	t			SPT •		T .	FOREMAN Bob Alexander (Sunrise/A)
ROCK CORE DIA in	·	Т	1	-	1.	T	∮ ₹	INSPECTOR Mark A. Potts (SSA)
SHELBY TUBE O.D in in in SOIL CLASSIFICATION SURFACE ELEVATION 178.83 ft.	Steel, F.	Crown	Scoto, Ft.	Semete Ne.	Dieus/6 In. 3-6 in. increments	Rocessy, &	Shelby Tube	BORING & SAMPLING NOTES
			0					yellow-brown clayey medium SAND, very dense at surface (SC)
			200	1	6 10 11			medium compact mottled yellow-brown clayey medium to fine SAND (SC)
	8.8		10-	2	4 5 8			stiff gray silty CLAY with purple mottling (CL)
			15-11	3	3 4 7			stiff gray CLAY with purple and yellow-brown mottling, trace sand (CH)
			20	4	6 7 9			very stiff greenish gray homogeneous, massive CLAY (CH)
	26		25-1	5	10 11 14			very stiff gray sandy CLAY (CH)
			30-11	6	5 6 8			stiff light gray medium to fine SAND (SP-SM)
MORING METHOD MSA — MOLLOW STEM AUGER CFA — CONTINUOUS FLIGHT AUGER	∇	NO	GAD!	0 A O	WATER	۲۰		HESE SHELBY TUBE SAMPLES OBTAINED IN DRIELED A FEW

Versan

WELL CONSTRUCTION RECORD

	•					•			
PROJECT:	LORRINGS					JOB NUMBER			
LOCATION:_	SYLVANI		Ε						
WELL NUMBE	R: W-17					GROUND ELEVAT	10N:	156.0	
DATE INSTA	LL.LV	14 · B				WELL CASING E			
FIELD REPRI			KK PO FHERM			PROTECTOR CAS	ING ELEVA	TION:	
DRILLING CO	NTRACTOR:					LOCATION SKET	ГСН	At prope	erty
DRILLER: PM	LL Crawson	LICE	NSE N	O	^			•	. , , .
RIG TYPE:	POWARY -	SIMO	D	There	<u>~</u>			of cli	Thouse
CONDITION C				عسرها	?'	SP-1	SP-9		W-IT
FORMATION	SCREENED:	Weser	~	agnife	-	SF-1	>• —		
TORMATION	OUNCENED:			1					. 7
	HOLE	E	ΔÞ					- Car al	4
BIT TYPE	DIA.	DEF	TH*		UID PE	~	- 30	50 feet N	2 -1-
	(IN.)	(F	T.)	- 1 1	P E				٦. ١
Auger	6 12 74"	23	.5	70	t	•		/cv	سلار / ا
	O.D.								1/
		-					TIME LO	og	
	<u>-</u>					ACTIVITY	DATE	START	END
				_		DRILLING	<u> </u>	SIANI	END
PROTECT	OR, CASING	2 505	EEN E	ECOBI	,				·
PROTECT	On, CASING	4 501		LOOM		CASING			
			TOTAL		оттом				
DESCR	RIPTION	- 1	17 Z	a.	Ė.	FILTER PACK			
	·	DIA.	오프	6.	Ю.	SEAL GROUT			
PVC sch. 4	6 Triback -	2	5"	-33.1	-J3.5	DEVELOPMENT			
Sende	ماسح					SURVEY			
PVC sch.	to Triboth	•		,	-13.1	OTHER	٠		
liser	prie		14.56	+1.4%	P	GBC	UND WATE	R IEVEIS	
PVC sch. A	T					DURING DRILLIN		T CLYLLS	
	(0.81")		10.0'		A	3		14 A (Th	she.
				-13.1	-73.1	۲ ۱2' , Was	اعتداستان والمتدر	10 Jd 5	changen.
СОМ	PLETION MAT	TERIAL	S REC	ORD		ana	leas of hi	or games.	2. 1).
				Γ	Σ	1			-
	55005155161			1	BOTTOM				į
	DESCRIPTION			TOP	٦.		-11	0011512	
		(1)	a bags	15.) iii	W	ELL DEVEL	OPMENT	
30-40 Mc	sh graded	silica	sand	-11'6"	<u> </u>	Developed by	barning	of wells	
1/4" bent	onite perfet	·	····	-9'4"		Developed by	m a	sediment.	
portions	certiar	benton	(le	0'			· •		
	1351 mix	- 910	wr_]			
		j							
				+ DEB	TH EP	OM GROUND SUR	FACE	······································	
	Λα	ا ا	_ ^			ung roll, etc	^	J	1
COMMENTS.	mi came	HUENT	- 6	v-4e13,	י דע	~~~~ 1005, xrc	- ms	THE 119 V	۳6



WELL CONSTRUCTION DIAGRAM

PROJECT: YORRINGTON SYLVANIA, GA.	JOB NUMBER:
WELL NUMBER: J-17	ELEVATION: 156.0
DATE INSTALLED: 7.24:87	☐ GROUND ☐ CASING ☐ PROTECTOR CASING
	☐ ABOVE GROUND LEVEL ☐ ABOVE MEAN SEA LEVEL
LOCKING WELI	4" Steel B-Y PROTECTOR CASING DESCRIPTION
PROTECTOR CASING HEIGHT	PC sch. 40 Trilock WELL CASING AND CAP TYPE
ABOVE GROUND(FT) STICK-UP 1.46{t	GROUND SURFACE
WELL CASING DIAMETER (IN)	GROUT TYPE DEPTH
	HOLE O'/2" DIAMETER (IN)
SEAL 4" Bentonile SEAL LENGTH 2.15 (FT)	OPENING (IN) 0.01 24.96 TOTAL LENGTH
TOTAL DEPTH 23.5 (FT) 30-40 (AID) FILTER PACK TYPE	OPEN OR SLOTTED LENGTH (FT)
FILTER 12.0 PACK LENGTH (FT)	BLANK 0.40 LENGTH (FT)
COMMENTS: fer PCRA standards.	
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	PAGE 3 0F 3

ATLANTA ENVIRONMENTAL MANAGEMENT INC.

WELL CONSTRUCTION DIAGRAM

CATION: Sylvania, GA ELL NUMBER: W-27S ATE INSTALLED: April 15, 1988 LOCKING WELL O	ELEVATION: 183.7 Ft. SGROUND CASING PROTECTOR CASING ABOVE-GROUND LEVEL MABOVE MEAN SEA LE
Elevation (TOC) 186.64 Ft. Stick-Up 2.94 Ft. WELL CASING DIAMETER (IN)	Brainard 4" PROTECTOR Kilman - Post CASING DESCRIPTION WELL CASING AND CAP TYPE 183. FROUND SURFACE
SEAL Bentonite TYPE SEAL LENGTH 2.0 Ft (FT) TOTAL 17.4 (FT) -10+20 Sand FILTER PACK TYPE FILTER PACK TYPE FILTER PACK (FT)	Portland GROUT TYPE Cement/Bentonite SLOT OPENING (IN) 0.02 OPEN OR SLOTTED LENGTH (FT) BLANK LENGTH (FT)
COMMENTS: The well was drilled us: It was developed using a bailer.	ing a hollow stem auger.

WELL CONSTRUCTION DIAGRAM

Torrington PROJECT: . Sylvania, GA LOCATION: ELEVATION: 183.7. Ft. W-27D WELL NUMBER: _ DATE INSTALLED: April 13-14, 1988 Ø GROUND □ CASING □ PROTECTOR CASING ☐ ABOVE GROUND LEVEL MABOVE MEAN SEA LEVEL LOCKING WELL CAP Brainard Kilman - Post PROTECTOR CASING DESCRIPTION Elevation (IUC) 185.69 Ft. GROUT TYPE 1.99 Ft.STICK-UP 183.7 Ft. GROUND SURFACE CONDUCTOR CASING HOLE DIAMETER 7 1/4 CASING DIAMETER 6" CASING TYPE Sch.80 PVC 20.0 Portland Cement/ 54.5 ft. Bentonite GROUT TYPE TOTAL Triloc sch. 40well casing and PVC screen type DEPTH 2 in. WELL CASING DIAMETER 5 1/2 inhole DIAMETER SEAL TYPE Bentonite SEAL LENGTH 2.0 Ft OPEN OR 10.0 Ft. SLOTTED SLOT 0:02 in OPENING FILTER 12.0 FILTER -16+20 PACK PACK _sand LENGTH 0.4 Ft. BLANK TYPE COMMENTS: Hollow stem augers were used to set the upper casing. Mud rotary drilling was used to total depth. The well was installed then developed using a Brainard-Kilman submersible hand pump.

Atlanta Environmental Management Inc. Nonitoring Well Lithologic Log

Date: April 13-14, 1988

Owner:	Torrington
Well No:	W-27D
Location:	Sylvania, GA
Driller:	P.Clawson, J.McClain

Geologist: Mark Potts
Drilling Method: Mud Rotary

Depth (feet) From To Lithology Remains To Lithology	
Med. to coarse grained, sandy clay. (CL) 6-8-9 Same above w/coarser grained 9-10.5 ft.	Sample #1.
Tough, grayish purple clay with less 15-16.5 ft than 15% med. to coarse grained sand (MH) 5-10-8	Sample #2
	.Sample #3
39.5 grained sand. (CL) 8-11-12	.Sample #4
	.Sample #5
Tough, gray sandy clay interbeds w/clayey 55-56.5 ft 51.3 60 T.D. sand beds up to 10" thick. (CS-CL) 10-14-18	.Sample #6

Sheet No. 2 of 2

OJECT NAME OJECT LOCATION Sylvania, GA RING METHOD Mud Rotary, 5½" Rol	ler B				STAT			Bob Alexander (Sunrise	
	~				SPT .	, T	ž	INSPECTOR 1	lark A. Potts (SSA)
SOIL CLASSIFICATION SURFACE ELEVATION————————————————————————————————————	Stratum Stratum Stratum Stratum	round	Depth Scale, Ft.	Semple Né.	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S. Alones	telby Tube	}	DRING & SAMPLING NOTES
SUMPACE ELEVATION - 170.03 IL.		OS	357		2 3 4		•\$	medium s	tiff light gray SAND (SP-SM)
			4 transferrate	8	5 7			medium s	tiff light gray SAND (SP-SM)
			مماميميانيد						
•			James Paresta						
			antanatan						•
SORING METHOD			4		MATER				TUBE SAMPLES OBTAINED

AFTER HAS. ____FT. **STANDARD PENETRATION TEST



GEOLOGIST'S SIGNATURE

PROJECT: MORRIGION

LOCATION: SYLVANITY GA

BOREHOLE NUMBER: N-17

DATE DRILLED: 7.24.87

FIELD REPRESENTATIVE: MARK POFIS

DRILLING CONTRACTOR: Geothermics

DRILLER: Jam Clauson

DRILLING METHOD: John Stem Augus

HOLE DIAMETER: 6/2"

GROUND ELEVATION: 156.0 (C.

CONDITION OF GROUND SURFACE:

JOB NUMBER:

LOCATION SKETCH

SP-1 SP-9 W-17

WHIS I Area

COMMENTS:

PAGE ______ OF____ 3

	SAMPLE					
ОЕРТН	NUMBER	INTERVAL AND TYPE	ADVANCED/ RECOVERED	BLOW COUNTS PER 6 INCHES	WATER TABLE	SAMPLE DESCRIPTION (SOIL OR ROCK TYPE, COLOR, GRAIN SIZE, SORTING, ROUNDNESS, PLASTICITY, MOISTURE CONTENT, TRACE MATERIALS, ODOR, STAINING, TRACE GAS READINGS, FORMATION TOPS)
	150			347 358		Yellowish brown fine grained chargey sand. Moderately well striked. Yellowish brown fine grained chargey rand Moderately poorly sorted. ~ 50/50 SC-CL Sands / Eith or charge Orange brown chargey fine grained sand, less charge with than at 9', ~ 25% fines Sort saying up on the angers. - Zaster drilling at 16'. Orange brown chargey fine grained fand, Similar to above. Notherately well sorted.