

LOG OF BORING NO.

B/A

OWNER

Outagamie County

ARCHITECT-ENGINEER

Donohue and Associates

SITE

Appleton, Wisconsin

PROJECT NAME

Outagamie County Landfill Site No. 5

DEPTH ELEVATION	SAMPLE NO.	TYPE SAMPLE	SAMPLE DIST.	RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. 3	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. 2					
							1	2	3	4	5	
					SURFACE ELEVATION 7							
					Topsoil-field observation							
10												
20		PA			Borehole advanced with power auger. No samples obtained							
30												
32.0	1	ST			Red brown silty clay; trace sand-tough- (CL-CH)							
					End of Boring							
					Observation well installed with tip at 30 feet extending 2 feet above ground. Protector pipe installed:							
					0 - 1.0' Concrete							
					1.0' - 3' Bentonite							
					3' - 24' Sand and bentonite mixture							
					24' - 26' Bentonite							
					26' - 27' Sand							
					27' - 32' Pea gravel							

*Calibrated Penetrometer

Observation well installed with tip at 30 feet extending 2 feet
above ground. Protector pipe installed:

0 - 1.0' Concrete
1.0' - 3' Bentonite
3' - 24' Sand and bentonite mixture
24' - 26' Bentonite
26' - 27' Sand
27' - 32' Pea gravel

P-7A

WATER LEVEL OBSERVATIONS

W.L. Dry W. 4/2 W.D.
W.L. R.C.B. C.C.P.
W.L. Dry after well installed

SOIL TESTING SERVICES

OF WIS., INC.

540 LANDEAU STREET
GREEN BAY, WIS. 54303

BORING STARTED 1-2-75

BORING COMPLETED 1-2-75

FIG 15

FORTRAN RR

DRAWN

APPROVED TRD

JOB # 6399 A

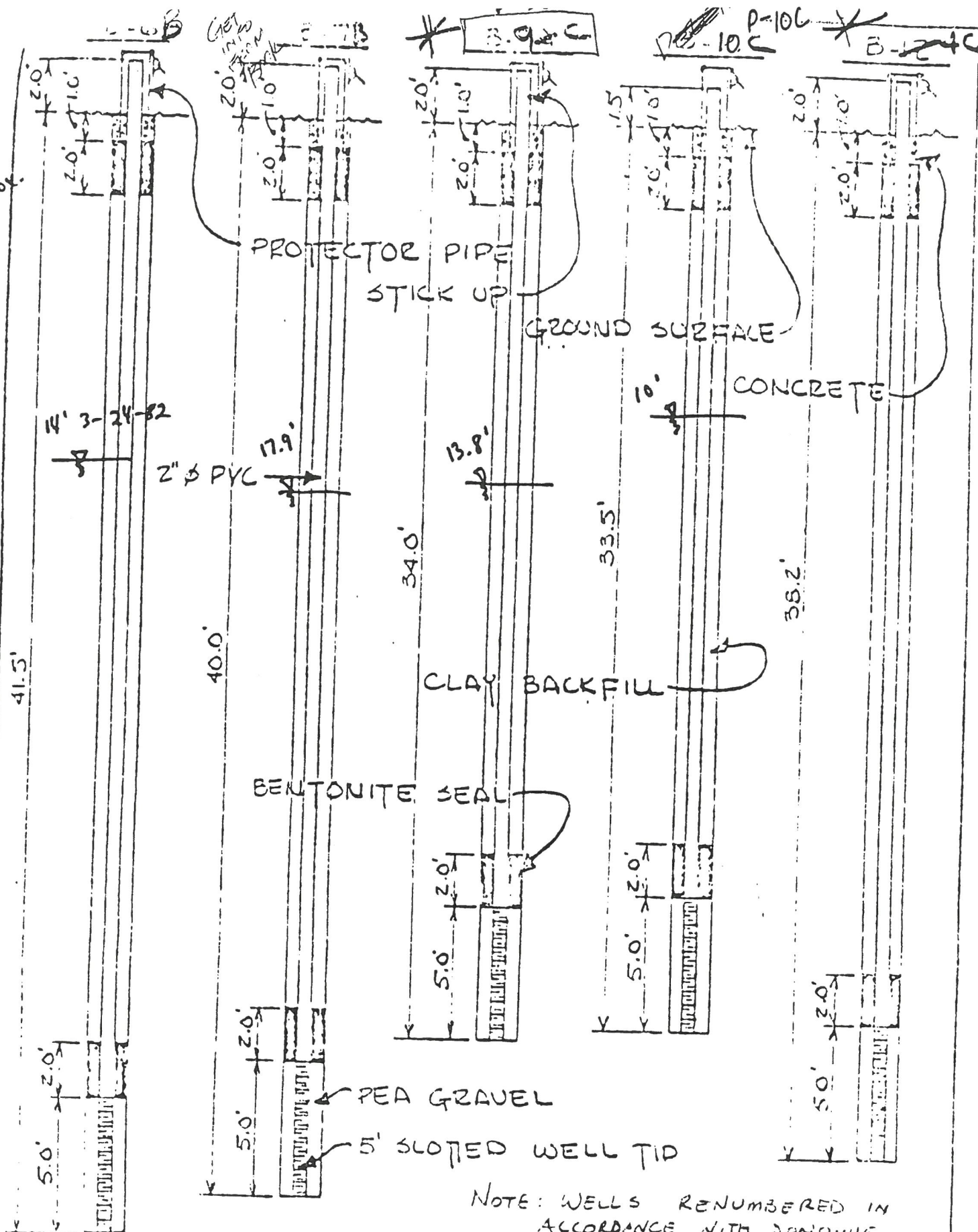
SHEET

The stratification lines represent the approximate bound-
ary between soil types and the transition may be gradual.

don't
digitize

digitize

2. v. Approx.



NOTE: WELLS RENUMBERED IN ACCORDANCE WITH DONOHUE NUMBERING SYSTEM

OBSERVATION WELL DIAGRAM
CUTAGAKIE COUNTY LANDFILL



SOIL TESTING SERVICES
OF WISCONSIN, INC.

340 CAMBEAU ST GREEN BA: WISCONSIN 54303

53	55
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1

Donohue

Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING

BORING LOG

SITE: Outagamie Co L.F.
PROJECT NO. 15863.500

SOIL BORING NO.

B-P-315A

Sheet 1 of 4

DRILLING METHOD: 4 1/4" HSA
TYPE OF RIG: 850 CME
FOREMAN: John Pingel
ASSISTANT: Bob Hill
GEOL. ENGINEER: Kim Elias
LOG BY: KF

WATER LEVEL READINGS

DATE	TIME	DEPTH	W.D.
10/4	8:05	12.3	
10/5	15:40	44.4	A.C.R.
10/4	16:30	44	HRS. A.D.
			HRS. A.D.

GROUND SURFACE ELEV.: 736

DATE START: 10/3/88

DATE COMPLETE: 10/5/88

DATE ABANDONED: _____

COORDINATES: _____

NORTH: _____

EAST: _____

DEPTH TO CHANGES IN STRATA	DEPTH IN FEET	SAMPLING DATA							USCS	SOIL DESCRIPTION	DRILLING COMMENTS	
		NO.	T	A	R	PENETRATION						
						1st	2nd	3rd				N
CL	5	1								OL Blk, 0-12", Org. Cl., moist, root, Fe bur (Top Soil)	cuttings	
										CL 1'-2' Silty Clay, tr. sd, org. rd. br. med. moist, mottled, bur.	Middle Inlet	
CL		2	SS			3	4	5		CL St. Silty Clay, rd. br. 10% Gr. 20% sd 40% cl 30% NL. Gussm; sd f. Co. s. bang. Moist, Fe. Mottled, root occ., sd lens ~ 1/2"		
								6	11			
		3	SS			3	5	10		CL Yst. Silty Clay (as above) 6" sandy silt. gritty 4.5-5.0, f-m sd. wet. sd lens.		
									11	21	Till	
		4	SS			4	8	30		CL Yst. Silty Clay rd. br. as above. sd lens - wet: 7-8, br sd, Moist. Fe 5% Gr. 35% sd 45% cl 35% NL. Guss, sd fm.		
								12	22			
		5	SS			2	5	8		CL Yst. Silty Clay, color change br/dk br. as above. horz. lens. sd f-m, wet 7.5YR 5/2/44		
								10	18			
CL	10	6	SS			2	3	3		CL M. Silty Clay, br. 7.5YR 5/2, As Above. moist, plug, cobs,		
								4	7			
		7	SS			1	3	4		CL M. Silty Clay, br. Moist, As Above. to Gr. sd		
								4	8			
		8	SS			2	4	5		CL St. Silty Cl. to org. br. Moist, to Gussm. tr. sd f-m t, plug cobs.		
	15							6	11			
		9	SS			1	1	2		CL M. Silty Cl. dk rd br., As Above moist		
								4	6			
CL		10	SS			5	8	9		CL No Recovery	Drove son. Cable	
								12	21			
	20	11	SS			0	1	2		CL M. Silty Clay dk rd br. - As Above tr. Peat to st. moist.		
								3	5			
		12	SS			0	2	4		CL M. Silty Cl., dk rd br. " "		
								5	9			
	25	13	SS			0	1	3		CL Ch. M. w. sd mottling. e. 25-25.5, tr. ch 26.5-26. Gussm br. st. wet		

Donohue

Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING

BORING LOG

SITE: Otagamie Co L.F.
PROJECT NO. 15863.500

SOIL BORING NO.

B- P-315A

Sheet 2 of 4

DRILLING METHOD: HSA
TYPE OF RIG: 850 CME
FOREMAN: John Pingel
ASSISTANT: Bob Hill
GEOL. ENGINEER: Kim Elias
LOG BY: "

WATER LEVEL READINGS

DATE	TIME	DEPTH	W.D.
10/4	8:05	17.3	
10/5	15:40	44.4	A.C.R.
10/4	10:30	4.4	HRS. A.D.
			HRS. A.D.

GROUND SURFACE ELEV.: 736

DATE START: 10/3/88

DATE COMPLETE: 10/5/88

DATE ABANDONED:

COORDINATES:

NORTH:

EAST:

DEPTH TO CHANGES IN STRATA	DEPTH IN FEET	SAMPLING DATA							USCS	SOIL DESCRIPTION	DRILLING COMMENTS	
		NO.	T	A	R	PENETRATION						
						1st	2nd	3rd				N
CL	14	35							CL	Peat 27'-27.5'; blk. Fibers, branch org. Silty Clay, dk br 25% moist, Med. grading into silty to faty cl. plas. cohes.	Middle Inlet Till Peat	
	15	35				2	5	7	CL	Silty clay, wet org. lens. etc. above, org. at 29.5, dk br. blk (PL) Vst.		
								10				
CL	16	35				3	6	8	CL	Vst. Silty Clay, wet. 2" layer fat cl. e. 30.5 rd layers pretty		
								9				
								17				
	17	35				3	9	8	CL	St. Silty Clay, - layers of dk. rd. gy. disturbed varved, uneven layers. Mottled.		
								10				
CL	18	35				2	4	6	CL/CH	Vst. Varied Silty Clay: ex 5/8" / fat Clay: rd br. ch. CL 1/4" - 1/2" thick, plas. tobes, moist, tr. sd fm in Silty Clay - highly Varied lacustrine	Kirk Lake Till	
CH								7				
	19	35				2	4	5	CL/CH	Highly Varied, AS Above Silty Cl. dk rdgy 1/4" - 3/8" thick Gy cl 1/4" - 1/8" st. Sat. from 36' - 37' to roots wet.		
								5				
	20	35				3	4	4	CL/CH	M. Varied. AS Above, Gy 1/8" - 1/4" Silty Clay. Rd br 1/4" - 3/8" Fatty Clay silts more prominent		
								4				
	21	35				1	3	4	CL/CH	St. Varied AS Above, Rd br. 3/8" - 1/2" CL Gy 1/4" - 3/8" ch, moist. plas. cohes. Lacustrine	end of day 10/3	
								5				
	22	35				2	4	4	CL/CH	St. Varied - Rd br. 3/8" - 1/2" CL / Gy 1/4" - 3/8" CL - frag. moist. Plas.		
								5				
CL	23	35				2	4	5	CL/CH	St. Varied - Rd br 1/2" Gy 1/2" - 1 1/2" - Lg. layers Silty lens above Gy layer. 1/8" - 1/4" f. moist. Plas. Lacustrine		
CH								7				
	24	35				3	4	6	CL/CH	St. Varied becoming Fat to 46.8', Gy varies 2" - 4" rd br faint 1/8" - 3/8" Moist. Plas.		
								7				
CL								13	CL	Gy, Silty Clay, St. from 46.8' to 48' NOIST. r org. -	48' H2O Cert	
	25	35				5	8	20	CL	D, Gy br. Silty Clay, moist. plas. cohes.	Sample @ 5' intervals	
								22				
CL	49.5	50						42	CL	49.5' - 50' Gy Gravelly Clay. 30% Gy, 20% sd 30% cl 20% ml. Gy sm-l. subang, moist. Frac.	Mapleview	

DEPTH TO CHANGES IN STRATA	DEPTH IN FEET	SAMPLING DATA							USCS	SOIL DESCRIPTION	DRILLING COMMENTS		
		NO.	T	A	R	PENETRATION							
						1st	2nd	3rd				N	
CL/SC	50									CONT.	w/ mud		
CL/SC	55	2655				13	16	26	36	62	CL/SC	H, Gravelly Clay; Sandy Clay, dk gy. br. CL 10YR 4/2, Gy Gy 30% Gv 20% sd 40% cl 10% ML. cohes. plas. moist. CL Frac. sub ang. Gv	Mapleview Till
CL/SC	60	2755				20	32	38	70		CL/SC	H, Gravelly Clay; Sandy Clay, As Above Gv sub ang. to ang. 80% CL 20% SC	Till
CL/SC	65	2855				27	33	42	75		CL/SC	H, Dk br. 7.5 YR 4/2 Gravelly/Sandy CL As Above - plas. cohes. moist. Gv sm-L. sd. f-c. 30% Gv 20% sd 40% CL ML Till	Cobbles 61.5
CL/SC	70	2955				13	40	50	61		CL/SC	H, Dk br. 7.5 YR 3/4 Gravelly/Sandy Clay As Above - 25% Gv 20% sd 40% cl 15% ML. Moist. Plas. cohes. cl; sub ang. Frac. Gv. Till	Cobble
Dolo	72										Dolo	Rock coring @ 72.0'	Tracing 71' mudding 1/2 hr. run
Dolo	73	3055									Dolo	Dolomite Limestone 72'-77' run no 1 med grained; Gy Dolo w/ numerous 1-2 mm gy-gn shl. Partings & oc. Gy 5/0, Fg, Col	No cobbles 600 gals
VOIDS	75										VOIDS	90% recovery	

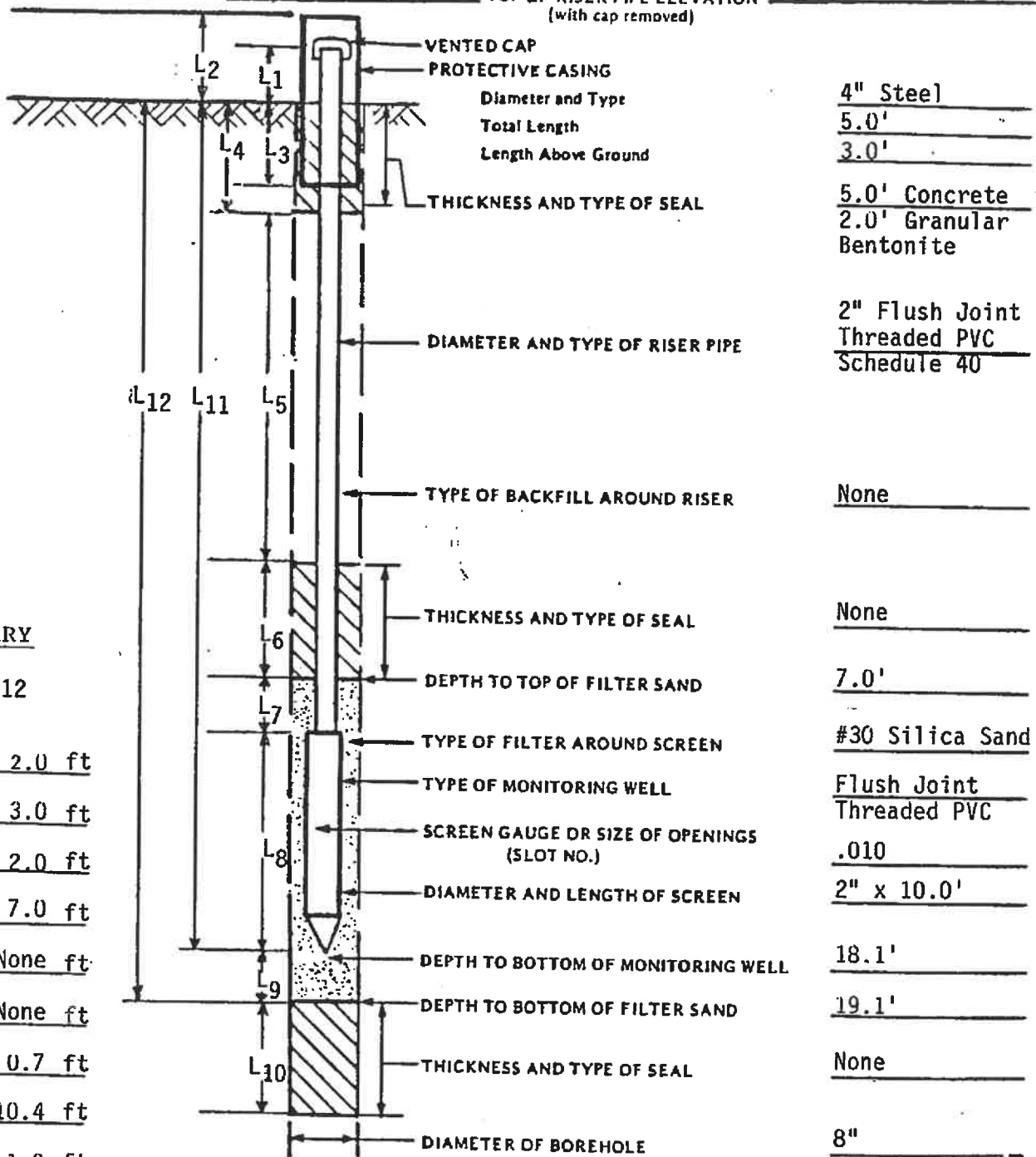
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INSTALLATION OF MONITORING WELL

JOB NO. 8100-88-1188

MONITORING WELL NO. OW317A

GROUND SURFACE ELEVATION 731.0' TOP OF RISER PIPE ELEVATION 733.0'
(with cap removed)



SUMMARY

L₁ - L₁₂

L₁ = 2.0 ft

L₂ = 3.0 ft

L₃ = 2.0 ft

L₄ = 7.0 ft

L₅ = None ft

L₆ = None ft

L₇ = 0.7 ft

L₈ = 10.4 ft

L₉ = 1.0 ft

L₁₀ = None ft

L₁₁ = 18.1 ft

L₁₂ = 19.1 ft

INSTALLATION COMPLETED:

Date 10-19-88 Time



TWIN CITY TESTING
CORPORATION

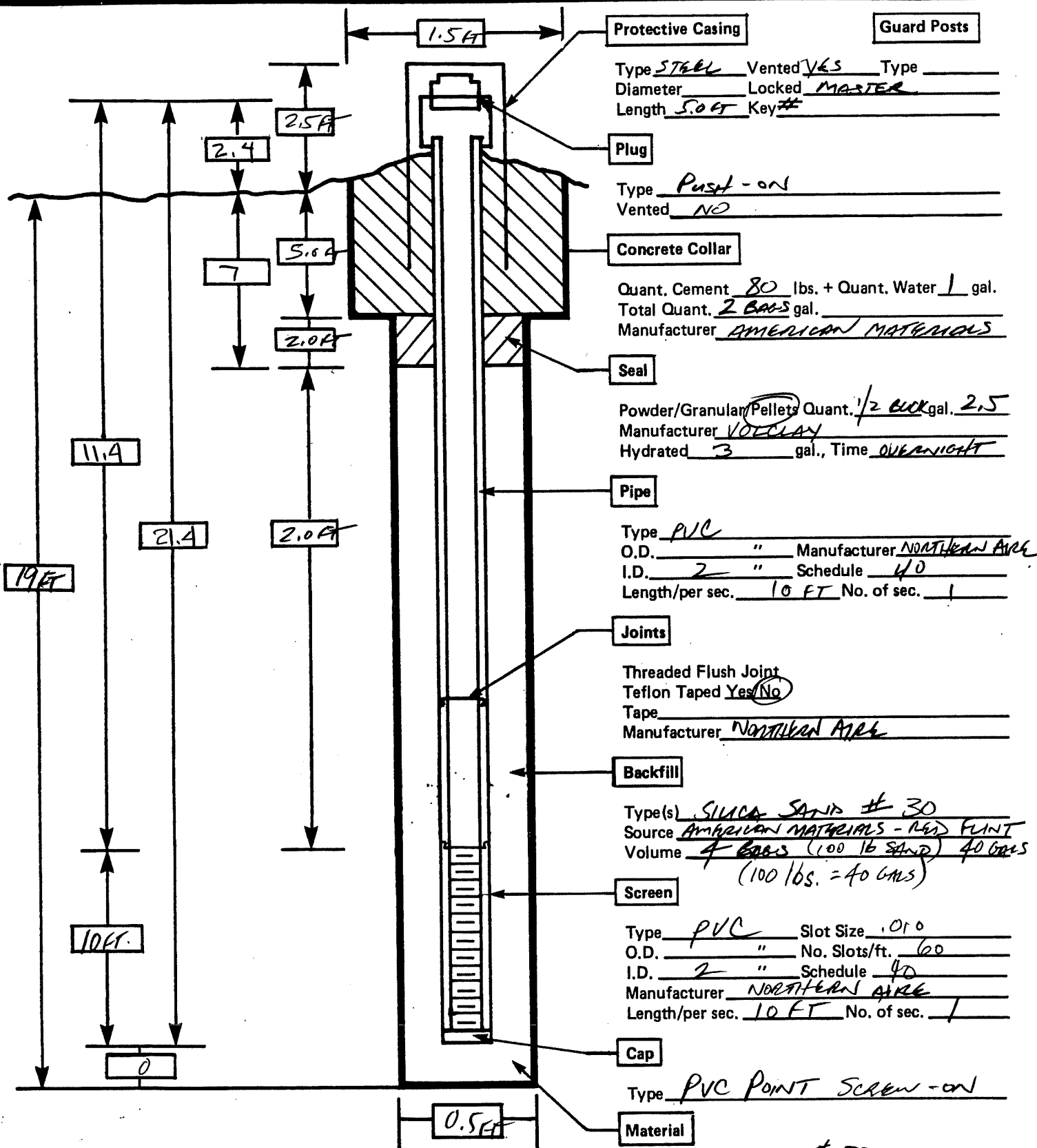
Donohue

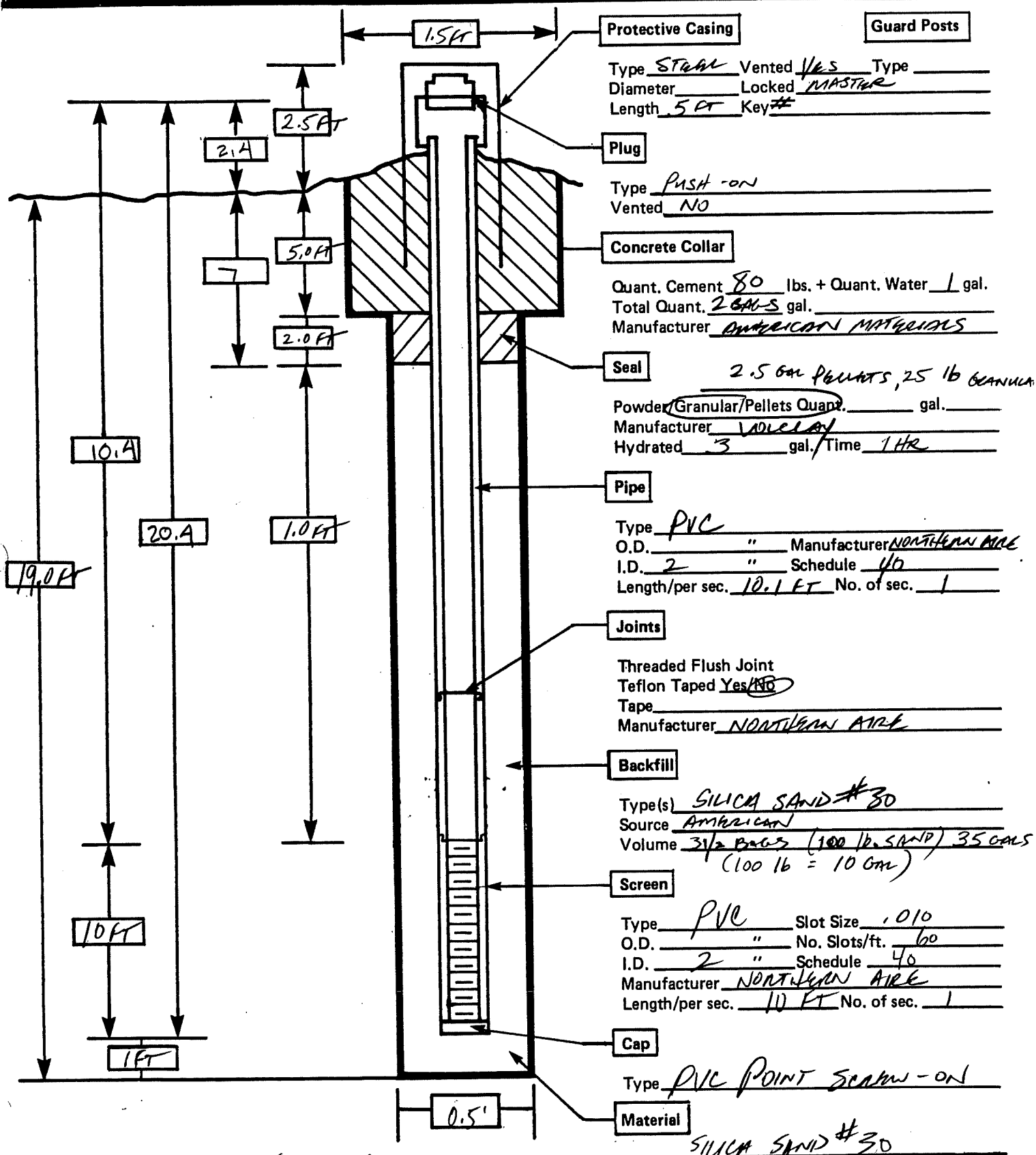
OBSERVATION WELL INSTALLATION DIAGRAM

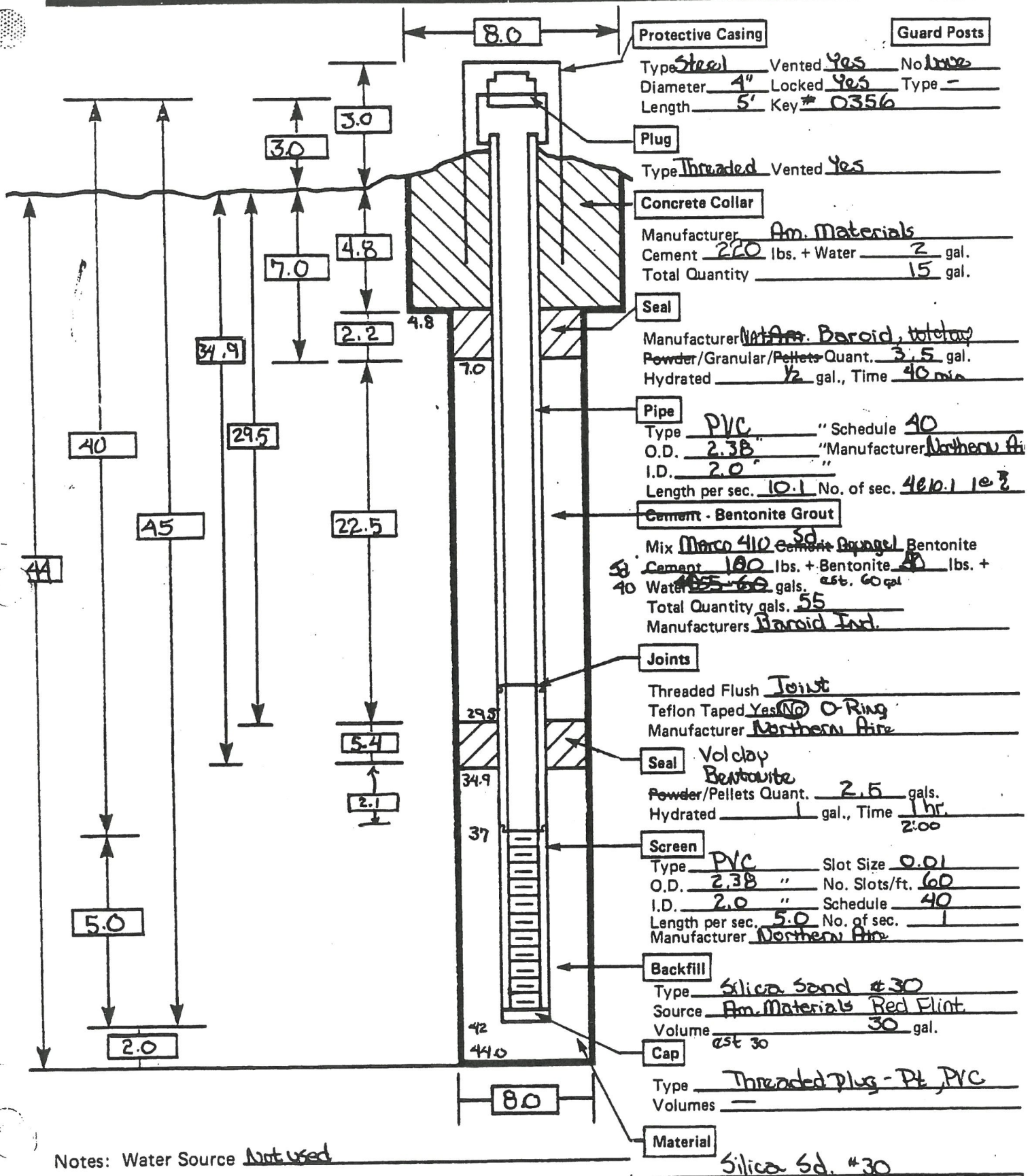
Well No. OW 318 A

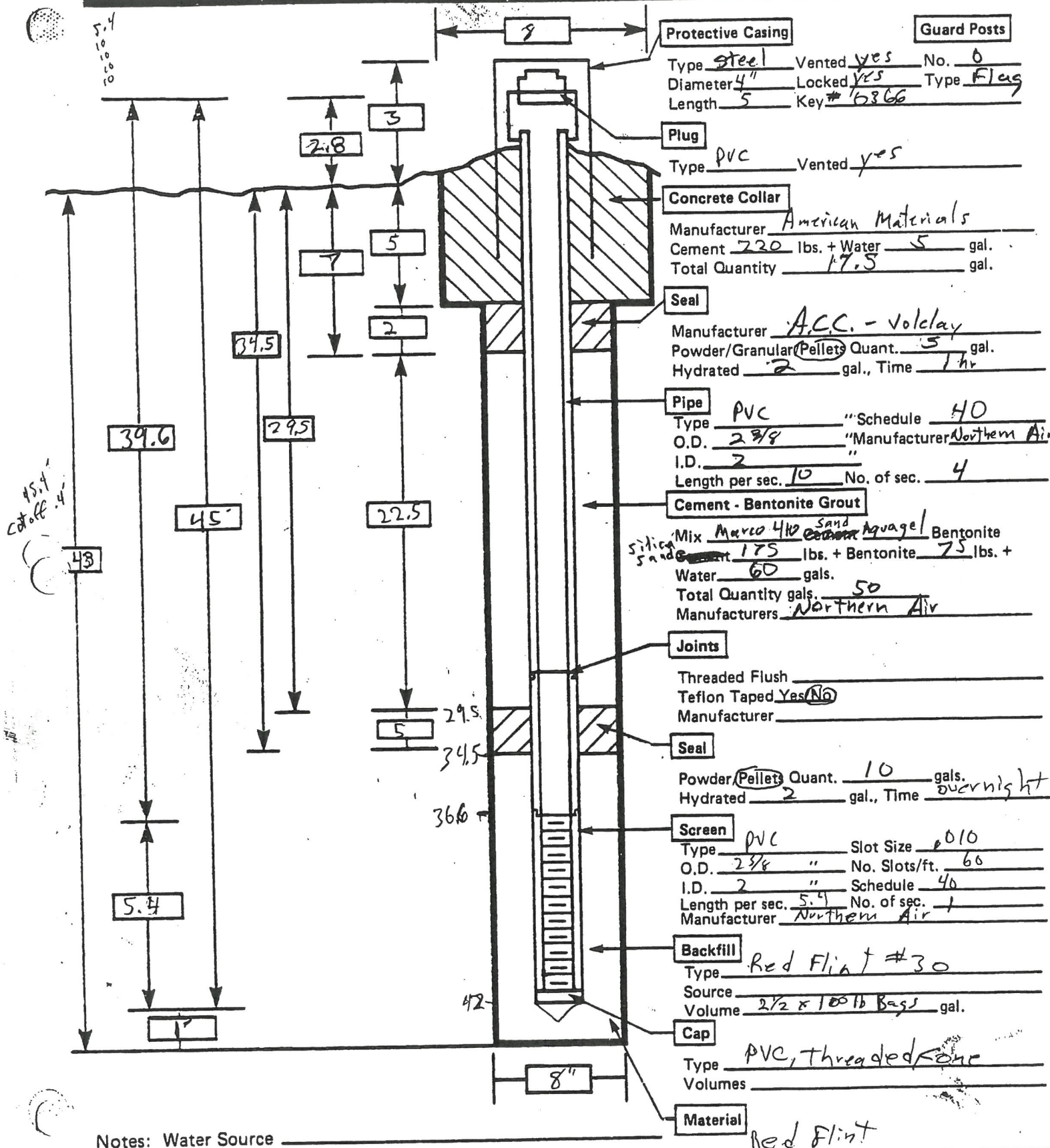
Site: OUTAGAMIE LANDFILL Date: 19 OCT 88

By: COMBARDO

Project No. 15863.500

Notes: Water Source SILTY CLAY

Donohue**OBSERVATION WELL INSTALLATION DIAGRAM**Well No. OW 319ASite: OUTAGAMIE LANDFILL Date: 19 OCT 88
By: LOMBARD Project No. 15803.500Notes: Water Source SILTY CLAY

Donohue**PIEZOMETER INSTALLATION DIAGRAM**Well No. P-324ASite: Outagamie Co. L.F. Date: 9/30/88By: Kim Elias Project No. 5863.500

Donohue**PIEZOMETER INSTALLATION DIAGRAM**Well No. D-325A
 Site: Otagenie Co. Landfill Date: 10/27/89
 By: K. Neitzke Project No. 15863.500
Notes: Water Source

Donohue

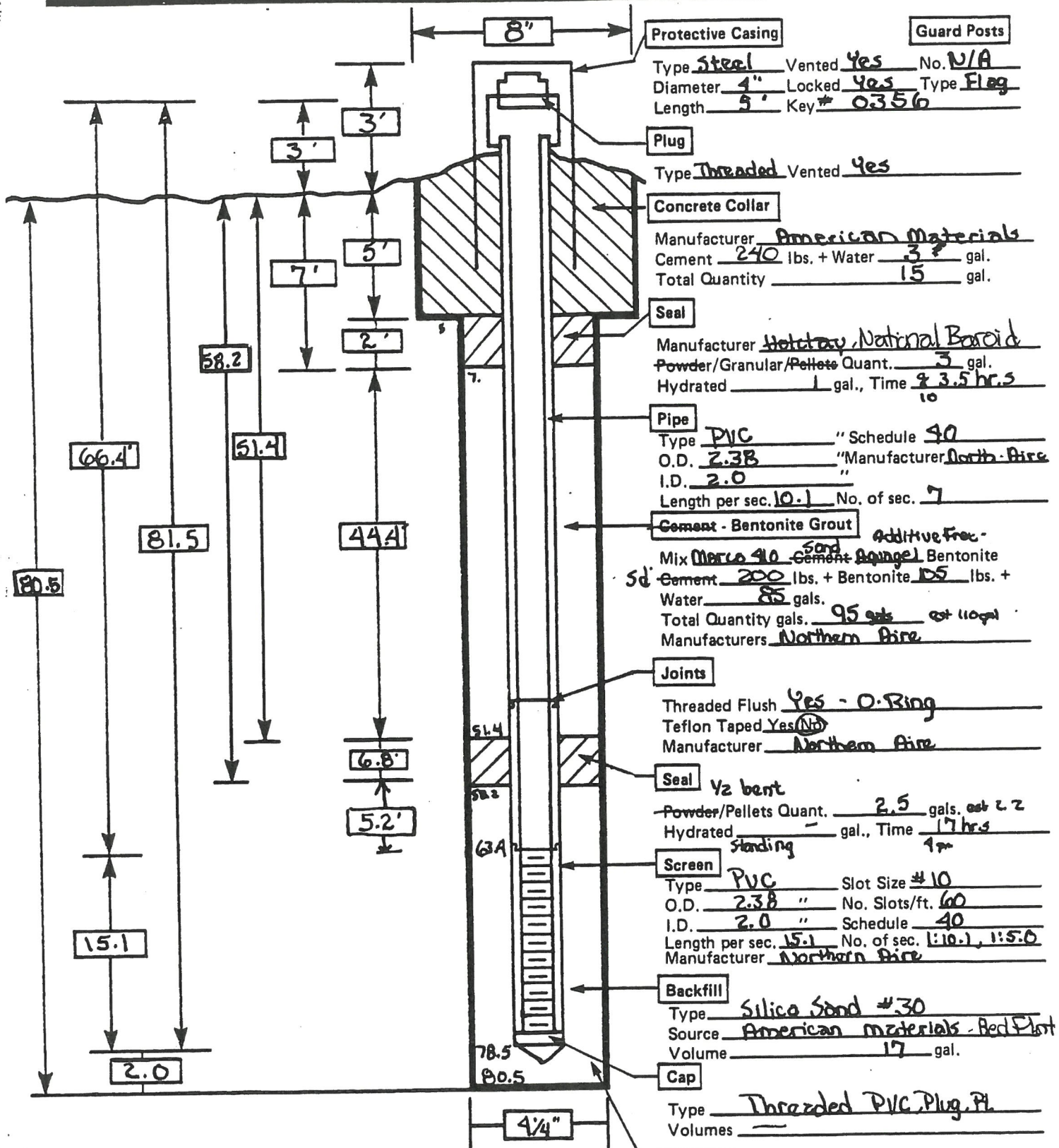
PIEZOMETER INSTALLATION DIAGRAM

Sheet 1 of 1

Well No. R-325 B

Site: Otagonia Col. F. Date: 11/2/88

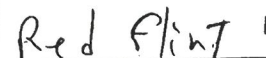
By: K. Elias Project No. 15863.500

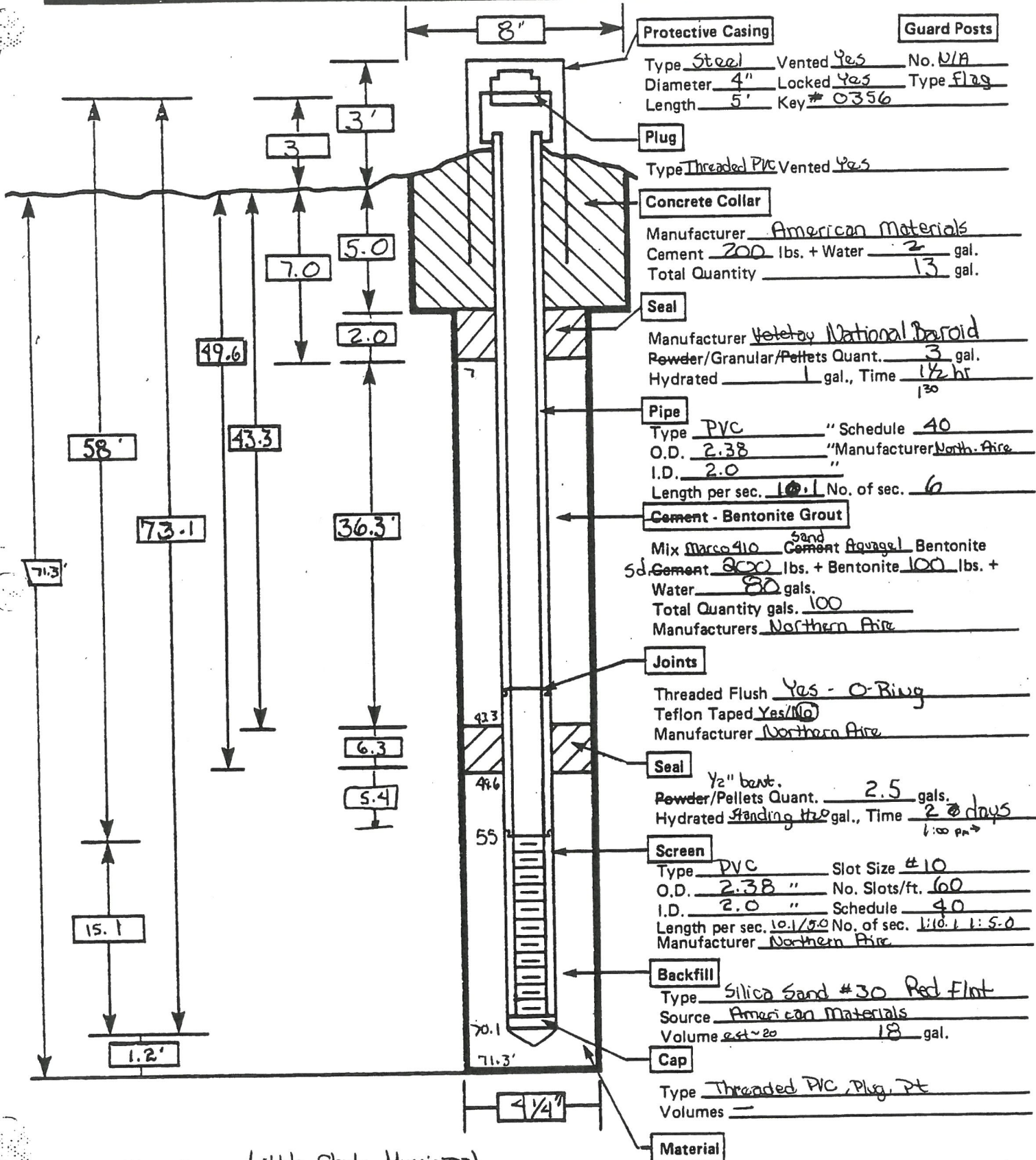


Notes: Water Source Little Chute Municipal
No H₂O loss

Well No. P-326^A

Project No. 15863.500

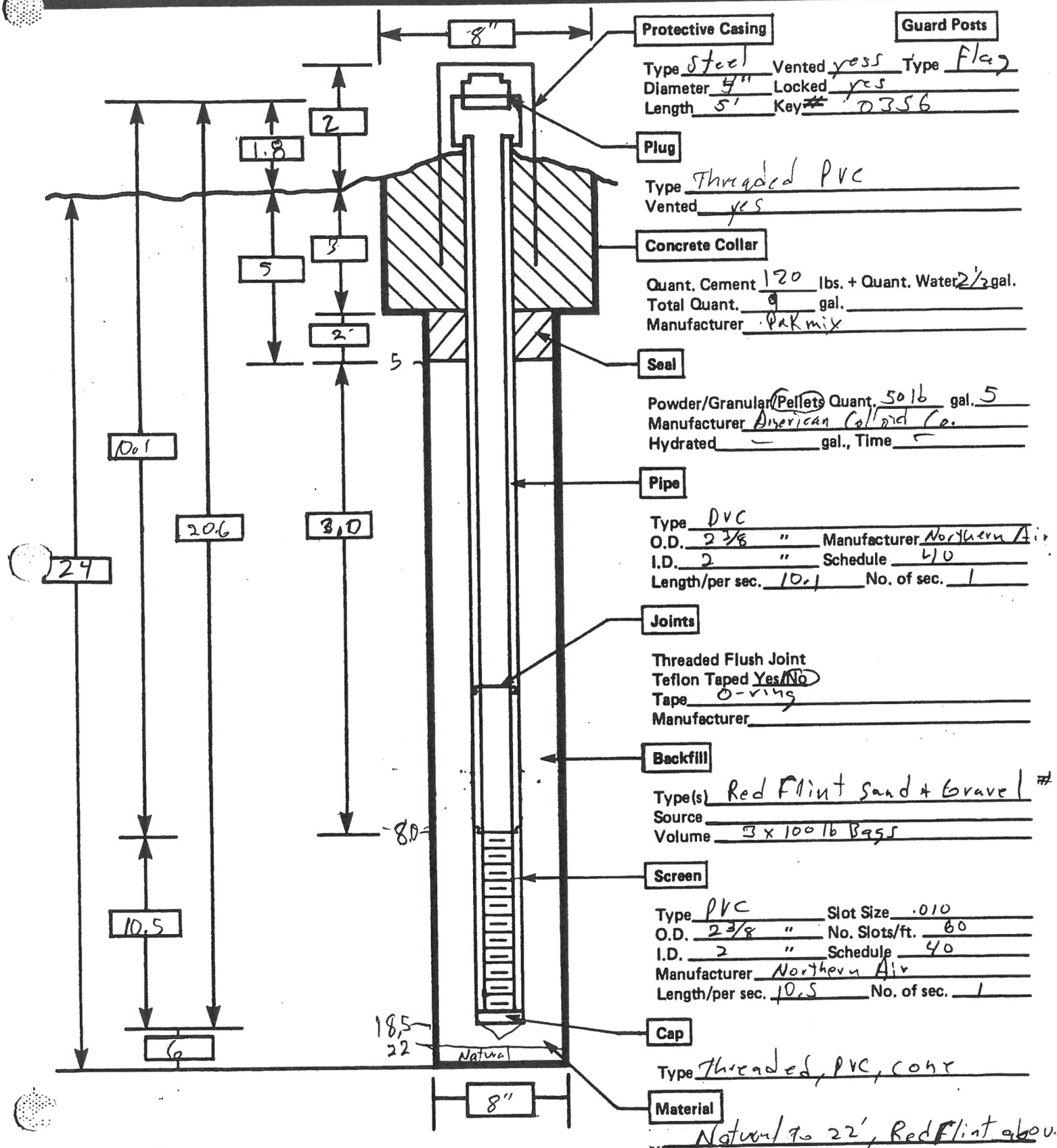


Donohue**PIEZOMETER INSTALLATION DIAGRAM**Well No. P-326BSite: Outagamie Co. Date: 10/28/88
By: K. Elias Project No. 15863.500Notes: Water Source Little Chute Municipal

Donohue

OBSERVATION WELL INSTALLATION DIAGRAM

Well No. OW-413A

 Site: Ontario Co. Landfill Date: 11/2/88
 By: K. Neitzke Project No. 15863.500


Notes: Water Source

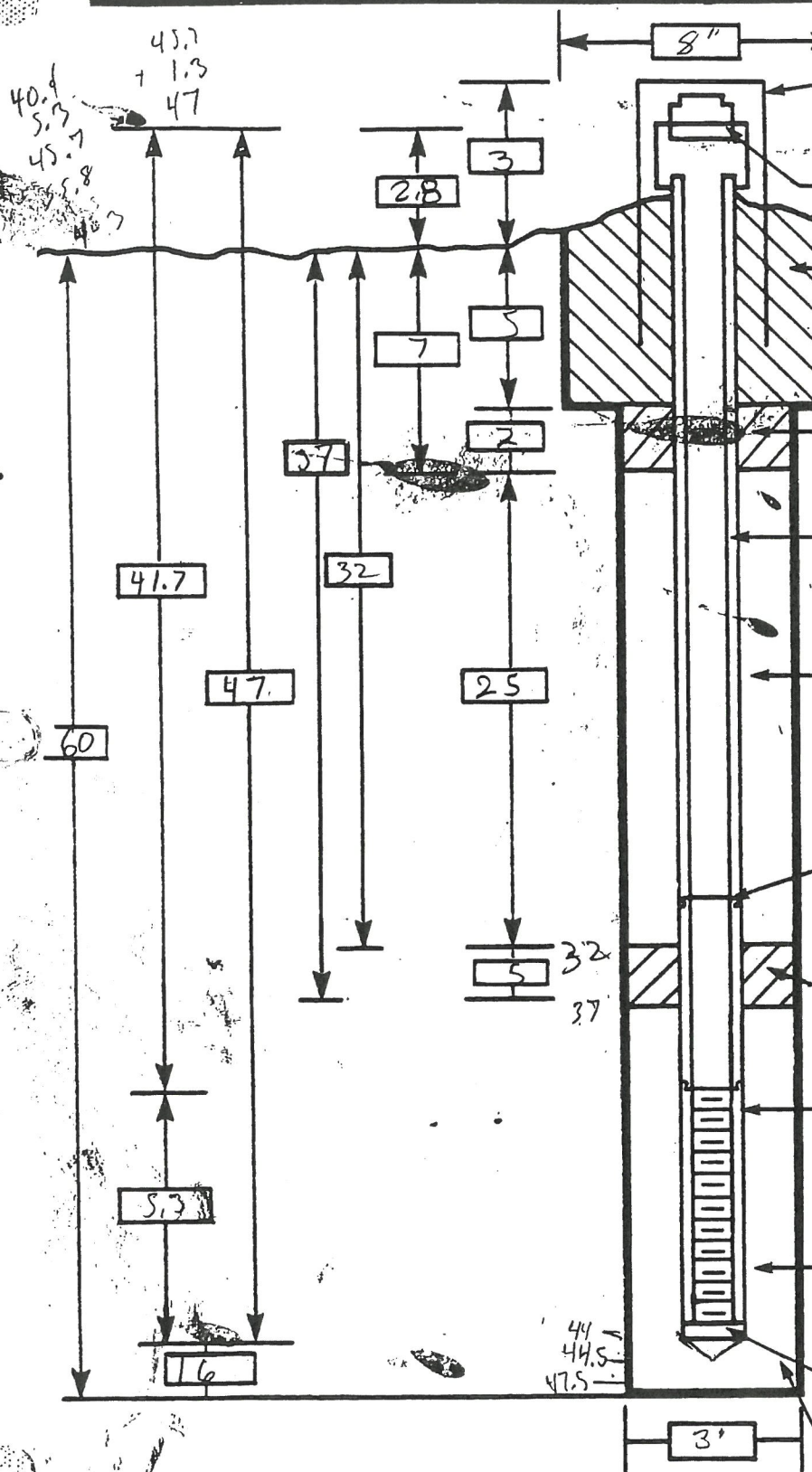
Good Job

Donohue

PIEZOMETER INSTALLATION DIAGRAM

Well No. P-413B

Site: Dr. Aguirre Co. Landfill Date: 11/4/88
By: R. Neitzke Project No. 15863.500



Protective Casing

Type Steel Vented yes No. 1
Diameter 4" Locked yes Type Flag
Length 5' Key # D756

Plug

Type PVC threaded Vented yes

Concrete Collar

Manufacturer Packmix
Cement 200 lbs. + Water 6 gal.
Total Quantity 15 bags

Seal

Manufacturer ACC
Powder/Granular/Pellets Quant. 35 gal.
Hydrated 2 gal., Time 35 min

Pipe

Type PVC " Schedule 40
O.D. 2 3/8 " Manufacturer Northern A
I.D. 2 "
Length per sec. 10.1 No. of sec. 4 +

Cement - Bentonite Grout

Mix Sand Bentonite
Cement 186 lbs. 8.5 lbs. +
Water 70 gals.
Total Quantity gals. 8
Manufacturers Marce Sand, Ogwa gel

Joints

Threaded Flush yes
Teflon Taped Yes/No
Manufacturer Northrup

Seal

Powder/Pellets Quant. 8 gals.
Hydrated 8 gal., Time 35 min

Screen

Type PVC Slot Size .010
O.D. 2 3/8 " No. Slots/ft. 60
I.D. 2 " Schedule 40
Length per sec. 5.3 No. of sec. 1
Manufacturer Northrup

Backfill

Type Red Flint Sand #3
Source 3x100 lb bags
Volume 3 gal.

Cap

Type PVC, Threaded, Cone
Volumes 1

Material

Bent / Sand slurry from 60' - 47.5'
Bent Pellets from 47.5' to 44.5'
(may be some natural stuff)
Red Flint Sand from 44.5' to 44'

Notes: Water Source Dr. Aguirre Co. Landfill
Bore hole Dia. 7.5" = 60' to 3"
Bore hole Dia. from 47.5' to surface is 8"

Facility/Project Name <u>Dutagamie Co LANDFILL</u>	Local Grid Location of Well ft. ☐ N ☐ S ☐ E ☐ W	Well Name <u>D-704B</u>
Facility License, Permit or Monitoring Number <u>602484</u>	Grid Origin Location Lat. _____ Long. _____ or St. Plane <u>840604.34</u> ft. N. <u>2432627.40</u> ft. E.	Wis. Unique Well Number: DNR Well Number <u>241</u>
Type of Well Water Table Observation Well ☐ 11 Piezometer ☒ 12	Section Location of Waste/Source <u>NE 1/4 of SW 1/4 of Sec. 17, T. 21 N, R. 18 E, W.</u>	Date Well Installed <u>01/19/98</u> m m d d y y
Distance Well Is From Waste/Source Boundary <u>50</u> ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) <u>BZ LISC</u> <u>STS</u>
Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No		

A. Protective pipe, top elevation <u>736.5</u> ft. MSL	1. Cap and lock? ☒ Yes ☐ No
B. Well casing, top elevation <u>736.39</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>7.0</u> ft. c. Material: Steel ☒ 04 Other ☐
C. Land surface elevation <u>734.6</u> ft. MSL	d. Additional protection? ☐ Yes ☒ No If yes, describe: _____
D. Surface seal, bottom <u>729.6</u> ft. MSL or <u>5.0</u> ft.	3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
12. USCS classification of soil near screen: GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐ Bedrock ☐	4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ Other ☐
13. Sieve analysis attached? ☒ Yes ☐ No	5. Annular space seal: a. Granular Bentonite ☒ 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35 c. _____ Lbs/gal mud weight ... Bentonite slurry ☐ 31 d. _____ % Bentonite ... Bentonite-cement grout ☐ 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐	6. Bentonite seal: a. Bentonite granules ☒ 33 b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32 c. _____ Other ☐
15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>45/60 WAUPACA SAND</u> b. Volume added _____ ft ³
16. Drilling additives used? ☐ Yes ☒ No	8. Filter pack material: Manufacturer, product name and mesh size a. <u>45/60 WAUPACA SAND</u> b. Volume added <u>7-50# BAGS</u> ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
17. Source of water (attach analysis): _____	10. Screen material: <u>PVC</u> a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
E. Bentonite seal, top <u>724.6</u> ft. MSL or <u>10.5</u> ft.	b. Manufacturer <u>Butt10</u> c. Slot size: <u>0.004</u> in. d. Slotted length: <u>5.0</u> ft.
F. Fine sand, top <u>713.6</u> ft. MSL or <u>21.0</u> ft.	11. Backfill material (below filter pack): None ☐ 14 <u>45/60 WAUPACA SAND</u> Other ☒
G. Filter pack, top <u>713.6</u> ft. MSL or <u>21.0</u> ft.	
H. Screen joint, top <u>709.6</u> ft. MSL or <u>25.0</u> ft.	
I. Well bottom <u>704.6</u> ft. MSL or <u>30.0</u> ft.	
J. Filter pack, bottom <u>702.6</u> ft. MSL or <u>32.0</u> ft.	
K. Borehole, bottom <u>702.6</u> ft. MSL or <u>32.0</u> ft.	
L. Borehole, diameter <u>8.0</u> in.	
M. O.D. well casing <u>2.00</u> in.	
N. I.D. well casing <u>2.00</u> in.	

Facility/Project Name <u>Outaouche No. 1</u>	Local Grid Location of Well ft. ☐ N ☐ S ☐ E ☐ W	Well Name <u>D705B</u>
Facility License, Permit or Monitoring Number <u>002484</u>	Grid Origin Location Lat. <u>43° 55' 15" N</u> Long. <u>89° 18' 31" E</u>	Wis. Unique Well Number DNR Well Number <u>242</u>
Type of Well Water Table Observation Well ☐ 11 Piezometer ☒ 12	St. Plane <u>840559.15</u> ft. N, <u>2432648.91</u> ft. E.	Date Well Installed <u>01/20/98</u> m m d d y y
Distance Well Is From Waste/Source Boundary <u>50</u> ft.	Section Location of Waste/Source <u>SE 1/4 of NW 1/4 of Sec. 17, T. 4 N, R. 18 E</u>	Well Installed By: (Person's Name and Firm) <u>BZ/STC</u>
Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No	Location of Well Relative to Waste/Source u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	<u>STS</u>

A. Protective pipe, top elevation <u>741.8 ± 2.00</u> ft. MSL	1. Cap and lock? ☒ Yes ☐ No
B. Well casing, top elevation <u>741.63 ± 2.00</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>7.0</u> ft. c. Material: Steel ☒ 04 Other ☐
C. Land surface elevation <u>739.8 ± 2.0</u> ft. MSL	d. Additional protection? ☐ Yes ☐ No If yes, describe: _____
D. Surface seal, bottom <u>60</u> ft. MSL or <u>733.8</u> ft.	3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
12. USCS classification of soil near screen: GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐ Bedrock ☐	4. Material between well casing and protective pipe: Bentonite ☐ 30 Annular space seal ☐ Other ☒ <u>NONE</u>
13. Sieve analysis attached? ☒ Yes ☐ No	5. Annular space seal: a. Granular Bentonite ☐ 33 b. <u>11</u> Lbs/gal mud weight ... Bentonite-sand slurry ☒ 35 c. _____ Lbs/gal mud weight ... Bentonite slurry ☐ 31 d. _____ % Bentonite ... Bentonite-cement grout ☐ 50 e. <u>30 GAL</u> Ft ³ volume added for any of the above f. How installed: Tremie ☐ 01 Tremie pumped ☒ 02 Gravity ☐ 08
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐	6. Bentonite seal: a. Bentonite granules ☐ 33 b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32 c. _____ Other ☐
15. Drilling fluid used: Water ☒ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>45/60 WAFRICA</u> b. Volume added <u>100 LB</u> ft ³
16. Drilling additives used? ☐ Yes ☒ No	8. Filter pack material: Manufacturer, product name and mesh size a. <u>45-60 WAFRICA</u> b. Volume added <u>500 LB</u> ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
17. Source of water (attach analysis): _____	10. Screen material: <u>PVC</u> a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
E. Bentonite seal, top <u>720.8</u> ft. MSL or <u>79.0</u> ft.	b. Manufacturer <u>Butterfield</u> c. Slot size: <u>0.066</u> in. d. Slotted length: <u>5.0</u> ft.
F. Fine sand, top <u>713.8</u> ft. MSL or <u>26.0</u> ft.	11. Backfill material (below filter pack): None ☐ 14 <u>45/60 WAFRICA</u> Other ☒
G. Filter pack, top <u>713.8</u> ft. MSL or <u>26.0</u> ft.	
H. Screen joint, top <u>709.8</u> ft. MSL or <u>30.0</u> ft.	
I. Well bottom <u>704.8</u> ft. MSL or <u>35.0</u> ft.	
J. Filter pack, bottom <u>704.3</u> ft. MSL or <u>35.5</u> ft.	
K. Borehole, bottom <u>704.3</u> ft. MSL or <u>35.5</u> ft.	
L. Borehole, diameter <u>8.0</u> in.	
M. O.D. well casing <u>2.00</u> in.	
N. I.D. well casing <u>2.00</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature BILL ZAKOWSKI Firm STS

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$1000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

TABLE 2-6

SCREENED INTERVAL INFORMATION
Outagamie County, Wisconsin

<u>Well No.</u>	<u>General Depth</u>	<u>Screened Interval (Depth Below Surface)</u>	<u>Geologic Class</u>
P-004C	Intermediate	33.2 - 38.2	Qmi-Qk1-Qmv
p-006b	intermediate	36.5 - 41.5	Qk1
p-007a	intermediate	25.0 - 30.0	Qk1
p-007b	intermediate	35.0 - 40.0	qk1
P-009C	Intermediate	29.0 - 34.0	Qk1
P-010D	Intermediate	24.0 - 29.0	Qmi-Qtc-Qk1
P-013A	Intermediate	33.5 - 38.5	Qk1
OW-013B	Observation Well	10.0 - 20.0	Qmi
P-013C	Deep	62.0 - 77.0	Opg
P-014A	Observation Well	10.0 - 20.0	Qmi
OW-014B	Intermediate	35.0 - 40.0	Qk1
P-014C	Deep	68.5 - 83.5	Opg
P-015A	Intermediate	35.0 - 40.0	Qk1
OW-015B	Observation Well	10.0 - 20.0	Qk1
P-015C	Deep	81.0 - 96.0	Opg
P-106	Deep	63.1 - 73.1	Opg
P-111A	Deep	69.0 - 79.0	Opg
P-111B	Deep	56.3 - 58.3	Qmv
P-111C	Intermediate	46.1 - 48.1	Qk1
OW-111D	Observation Well	10.0 - 20.0	Qmi
P-112B	Deep	71.4 - 81.4	Opg
OW-115C	Observation Well	10.5 - 20.5	Qmi
P-115D	Deep	86.1 - 101.1	Opg
P-115E	Intermediate	40.2 - 45.2	Qk1
P-301A	Deep	86.5 - 101.5	Opg
OW-301B	Observation Well	10.0 - 20.0	Qmi
P-301C	Intermediate	45.0 - 50.0	Qk1
P-302A	Deep	76.8 - 91.8	Opg
OW-302B	Observation Well	10.0 - 20.0	Qmi
P-302C	Intermediate	40.3 - 45.3	Qk1
P-303A	Deep	67.5 - 82.5	Opg
OW-303B	Observation Well	10.0 - 20.0	Qmi
P-303C	Intermediate	39.0 - 44.0	Qmv
P-304A	Deep	62.0 - 77.0	Opg
OW-304B	Observation Well	10.0 - 20.0	Qmi
P-304C	Intermediate	26.1 - 31.1	Qk1
P-305A	Deep	73.5 - 88.5	Opg
OW-305B	Observation Well	10.0 - 20.0	Qmi
P-305C	Intermediate	36.0 - 41.0	Qk1
P-306A	Deep	70.0 - 85.0	Opg
OW-306B	Observation Well	10.0 - 20.0	Qmi
P-306C	Intermediate	46.0 - 51.0	Qmv
P-307A	Deep	70.0 - 85.0	Opg
OW-307B	Observation Well	10.0 - 20.0	Qmi