CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: January 19, 2005

TO: Robert Strous

FROM: John Grump JGS

SUBJECT: Transmittal Memo for a Services Contract at CCA Building-Weisenberger Tie and Lumber Site

I am proposing a services contract for the remediation of the Weisenberger Tie and Lumber's CCA Treatment Building located in Marathon City, WI. This treatment plant used Copper Chromium Arsenate to treat lumber. Due to releases of the treating media to the soil and groundwater around this building, remediation is necessary. The site also contains hazardous waste (F035) as defined in NR 600, Wisconsin Administrative Code. The responsible party is bankrupt and has refused to respond to requests to remediate this site. This site is in violation of s. 292.11, stats and NR 700, Wisconsin Administrative Code.

Purchase Requisition

Form 9300-012 (R 4/00) Department of Natural Resources

Order Type	P.O. Number

FUND	AGCY	ORGN	SUB ORGN	APPR	ACTV	OBJT	SOBJ*	PROJECT NUMBER	TOTAL COST	I/D
274	370	RRFP		2724	RR55	2740.3				
	370									
	370									
	370									

* For OBJTs 2200, 2700, 2740, 3740 you may need to code a SOBJ in the grayed out field. Please refer to the Fiscal codes Handbook, 9314.

Suggested Source of Supply

Name | Vendor Code

Attention

Address

Supplemental Address

City | State | ZIP Code

Country | Vendor Telephone Number | State FY

F.O.B. | Terms | Delivery Date

Ship To

DEPARTMENT OF NATURAL RESOURCES
C/O John Grump

Address: 1300 West Clairemont Avenue

City: Eau Claire | State: WI | ZIP Code: 54702-4001

Telephone Number: 715-839-3775

Bill To

Bill To Address (if different)

Reference | Bid Number | Bulletin Number

Quantity	Unit	Description or Material / Service (make, color, size, etc.)	Commodity Code	Unit Price	Total
		CCA Building Remediation at Weisenberger Tie and Lumber			25,000.00
		Note: Cost includes estimate from ONYX Special Services of $5,000 for hazardous waste disposal - DOA contract.			
				TOTAL	25,000.00

Justification: Documented soil and groundwater contamination at abandoned (bankrupt) treating plant.

RMS Quote #:

Approved By	Initial	Date	Approved By	Initial	Date	Signature	Date
Prog. Supv./Sect. Chief			Finance			Preparer: John L Grump	1/19/05
Regional/Bureau Director						Telephone Number: 715-839-3775	
Division Administrator						Supervisory Approval	
Secretary							1/19/05

Assigned To:

BID PRICE SHEET FOR
ABANDONMENT OF THE WEISENBERGER TIE & LUMBER
CCA TREATMENT BUILDING SITE
MARATHON CITY, WISCONSIN
REQUEST FOR BID #

NOTE TO BIDDERS: All blank spaces requiring input below must be filled in. Bid items are described in the Scope of Work.

Bid Item	Description	Unit	Estimated Quantity	Unit Cost	Extended Cost
1	Remove and drum the sludge from the tank bottoms. Drums are to be stored on-site adjacent to access road.	DRUM	600 gallons		
2	Dispose of all miscellaneous non-hazardous trash, building contents, soil cuttings (from on-site drums), and clean and recycle on-site drums.	LS			
3	Clean and transport on-site tanks and piping to metal recycler.	LS			
4	Remove building and transport metal siding to metal recycler. Landfill remainder of building.	LS			
5	Remove and dispose of concrete apron and concrete perimeter wall. Fill building basement to grade.	LS			
6	Excavate and dispose of contaminated surface soil beneath the drip pad apron.	TONS	54		
7	Excavate and dispose of drip pad.	TONS	36		
8	Excavate and dispose of drip pad debris pile and two feet of soil beneath drip pad debris pile.	TONS	30		
9	Abandon on-site monitoring wells and water supply well.	LS			
10	Site grading, topsoil, seeding, fertilizing and mulching disturbed areas. Grade elevations must decrease from South to North.	SF	3500		
				Total Cost	

_____
Bidder Name

_____ _____
Signature **Date**

NOTE: Bidders being considered for award may be required to provide a further detailed breakdown of the cost of the work. If so requested, the bidder shall substantiate any price or prices with additional detailed price breakdown.

SCOPE OF WORK
INTERIM REMEDIAL ACTION
WEISENBERGER TIE AND LUMBER CCA SITE
MARATHON CITY, WISCONSIN
JANUARY, 2005

I. PROJECT DESCRIPTION

A. Purpose

To perform interim remedial actions at the Weisenberger Tie & Lumber CCA site. The Contractor may choose to perform the work anytime between January 31, 2005 and April 15, 2005. Work must be completed within thirty (30) days from start. Figure 1 and 2 show the site location and well locations, respectively.

This Scope of Work (SOW) sets forth the requirements to:

1. Properly abandon the chromated copper arsenate (CCA) treatment building by: cleaning out all tanks and piping, drumming up associated sludges, containing all associated wastewater.
2. Scrape and dispose, as solid waste, surface soils below concrete apron and below the drip pad debris pile.
3. Excavate and dispose of the drip pad debris pile and the remaining CCA-stained drip pad.
4. Dispose of all non-hazardous solid waste (miscellaneous trash, soil cuttings from on-site drums, and general debris), and clean and recycle on-site drums.
5. Abandon the on-site private well and the on-site monitoring wells.

B. Site Description and Historical Review

This site is in the location of a former wood treatment facility that was not previously properly abandoned. The site contains a 25 foot x 50 foot building, with three large liquid storage tanks inside. The building is constructed of concrete and wood with steel siding. A concrete pit lies inside the building. A 10 foot x 8 foot overhead garage door exists on the south side of the building. The building is free of liquids, but residual liquid sludge exists in the tank bottoms. Other miscellaneous solid wastes exist in and around the building.

The site contains a water supply well and monitoring wells. There is also CCA-contaminated soil in the vicinity of the drip pad.

No usable water supply exists at this facility.

It is the abandonment of the CCA treatment building, cleanup of the soil, and abandonment of the wells that are the focus of this bid request.

II. GENERAL REMEDIAL ACTION REQUIREMENTS

Contractor Responsibilities:

A. The Contractor shall remove and drum the sludge from the tank bottoms. No water shall be added to the sludge. The drums shall be supplied by the contractor and shall be DOT Certified to

transport hazardous material. The drums shall be 55-gallons, constructed of steel, and have the UN # 3077 clearly indicated. The Contractor shall set the drums near the access road to be disposed of off-site as a hazardous waste through the state's hazardous waste contractor, ONYX Special Services. The Contractor shall notify John Grump, WDNR project manager, when the sludge is ready for disposal.

B. Remove and dispose of all miscellaneous trash contained within the building and in the immediate area surrounding the building, such as paperwork, manuals, protective well covers, tarping, soil from on-site drums, etc. Clean (unpainted, untreated) wood is not considered waste and may be set off to the side. Unless obviously contaminated with CCA, this waste stream may be disposed of as solid waste at any of the licensed sanitary landfills in Attachment 1. The on-site 55-gallon drums shall be rinsed, decontaminated and recycled.

C. The Contractor shall clean and dispose of the three on-site tanks and all piping. The tanks may be cleaned within the building in order to use the existing pit for containment purposes. The tanks and piping shall be transported to a metal recycler.

D. The Contractor shall remove the concrete apron on the west side of the former drip pad (10 feet by 32 feet by 9 inches thick) and set to the side. The Contractor shall also remove the concrete wall along the west and north sides of the pad (60 linear feet of 3 foot high wall, 10 inches thick) and set off to the side. This material is unregulated solid waste and does not need to be disposed of off-site.

E. The Contractor shall excavate and dispose, in any one of the licensed sanitary landfills listed in Attachment 1, the top two feet of soil beneath the apron on the west edge of the former drip pad, extending the full length of the pad (10 feet by 72 feet).

F. The Contractor shall excavate and dispose, in any one of the licensed sanitary landfills listed in Attachment 1, the remaining drip pad (20 feet by 72 feet by 4 inches thick). The drip pad is a 4 inch slab on a footing. The Contractor shall remove only the pad that is stained green. The underlying footings and gravel are not contaminated and shall remain in place or may be moved to the side to aid in other work.

G. The Contractor shall excavate and dispose, in any one of the licensed sanitary landfills listed in Attachment 1, the drip pad debris pile located directly east of the remaining drip pad as well as the top two feet of soil beneath the pile. This material was generated when a portion of the pad was excavated to prevent drainage back into the treatment building.

H. The Contractor shall properly abandon the on-site monitoring wells, DMW-9, DMW-10, MW-1, MW-2 and the on-site private well, PW-2, in accordance with NR 141 and NR 812, Wisconsin Administrative Code. PW-2 contains a submersible pump, which must be removed prior to well abandonment. A copy of Department Form 3300-5B shall be completed for each well and provided to the Department project manager at the West Central Regional Service Center, Eau Claire. The monitoring well construction report and well log for monitoring wells DMW-9, DMW-10, MW-1 and MW-2 are in Attachment 2. No information exists for the on-site private well, PW-2.

I. The Contractor shall regrade, topsoil, seed, fertilize, and mulch the disturbed areas (3500 square feet) around the structure to limit erosion problems. Runoff from the site shall be directed to the North to prevent its eventual flow to the South where an existing contaminated area has been capped. The contractor shall supply final grade contours to the Department project manager, for review, to determine project completion.

J. The Contractor shall provide the Department with copies of all landfill disposal tickets clearly indicating the tons of material and the location of final disposal. Weigh tickets shall also be provided for metal shipped to a metal recycler. Salvage fees for the recycled metal shall be made out to the Department of Natural Resources and delivered to the project manager.

K. The Contractor shall provide the Department with copies of weight tickets from an independent scale near the site. The tickets should document vehicle number, time, loaded and unloaded weight.

L. A statement from the Contractor shall be submitted to the Department project manager certifying that a Site Safety Plan (Plan) has been prepared and that employee training has been completed in accordance with the Plan. The Plan shall be followed by the Contractor and subcontractors. The Plan shall comply with all current Occupational Health and Safety Administration (OSHA) and applicable State standards for worker safety. The Plan shall be available during field operations and shall be complied with by anyone entering the site. The plan must include confined space entry procedures if the sludge removal and tank cleaning are completed in a confined space. The Plan will not be reviewed or approved by the Department. The Contractor and Subcontractors shall be aware that the work is being performed at a former wood treating site which may contain hazardous wastes and environments. The Contractor is solely responsible for site health and safety and supply of instrumentation to assure site safety.

III. SUBCONTRACTORS

The successful bidder shall submit in writing the names of prospective subcontractors and material suppliers for Department approval.

IV. BIDDER QUALIFICATIONS

The qualified bidder will have performed similar tasks at a similar site within the last five (5) years.

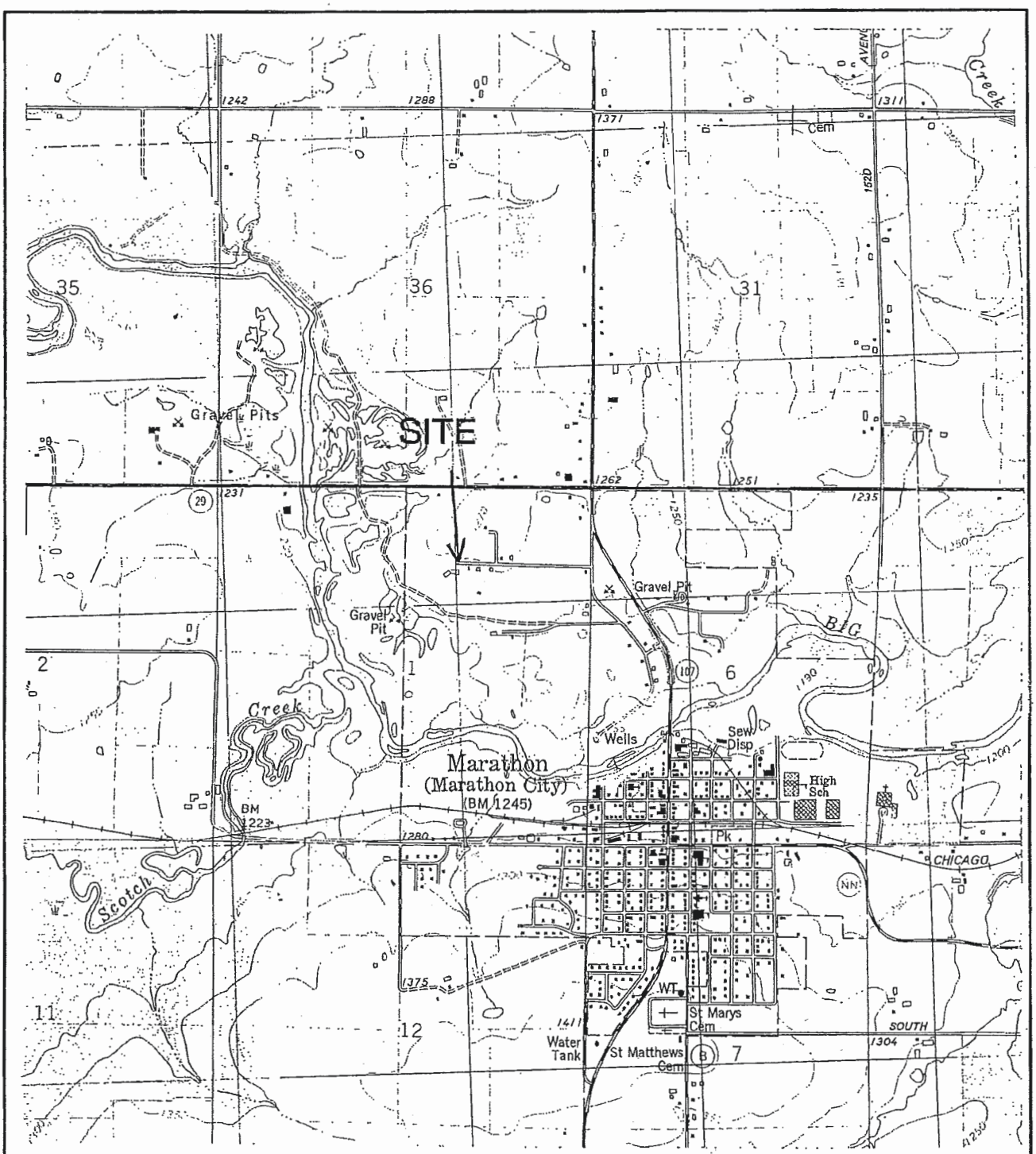
Bidders shall submit a list of project(s) which qualify them for the Weisenberger Tie and Lumber project, as described above. The list shall be attached to the bid price sheet and shall include the project or client name, time period (date) of work conducted by the contractor, a reference name and phone number for each project listed.

V. COMPENSATION

The Contractor shall submit a pay request at the completion of the project. A summary of the work shall be submitted with the reimbursement request, which briefly discusses the project from start to finish and outlines any deviations from the Scope

The Contractor shall submit an original invoice and two copies to John Grump, the Department project manager at the West Central Region Headquarters, 1300 West Clairemont Avenue, P.O. Box 4001, Eau Claire, WI 54702-4001. John Grump's phone number is (715) 839-3775.

Figure 1



MARATHON QUADRANGLE
WISCONSIN
7.6 MINUTE SERIES (TOPOGRAPHIC)

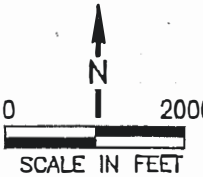
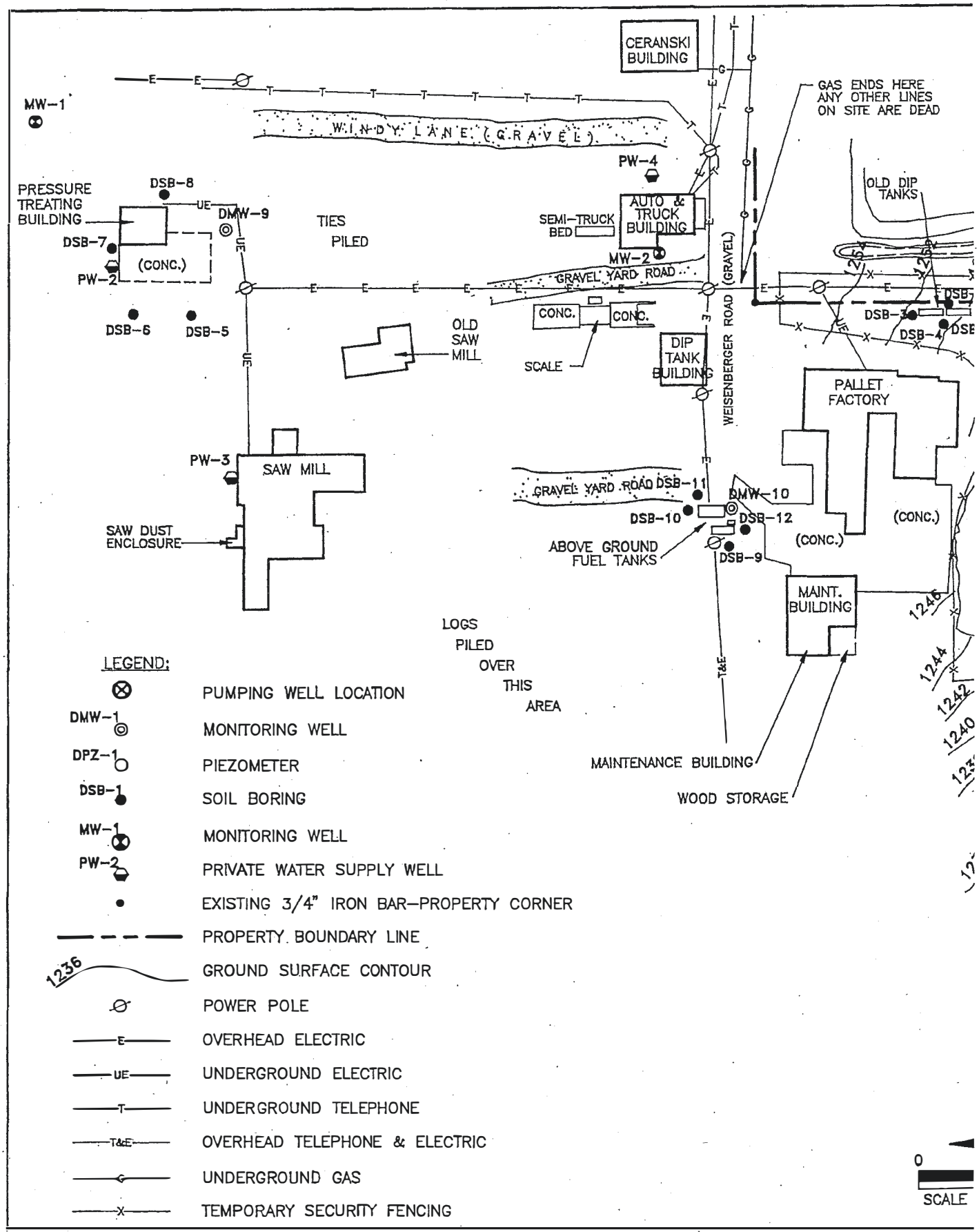


FIGURE 1
SITE LOCATION MAP
WEISENBERGER TIE & LUMBER COMPANY
MARATHON, WISCONSIN

PROJECT NO.	PREPARED BY
15-91-032	TL/LS
DATE	REVIEWED BY
8-31-92	

Delta Environmental Consultants, Inc.

Figure 2


CERANSKI BUILDING
GAS ENDS HERE ANY OTHER LINES ON SITE ARE DEAD
MW-1
WINDY LANE (GRAVEL)
PW-4
OLD DIP TANKS
PRESSURE TREATING BUILDING
DSB-8
DMW-9
TIES PILED
DSB-7
(CONC.)
PW-2
SEMI-TRUCK BED
AUTO & TRUCK BUILDING
MW-2
GRAVEL YARD ROAD
(GRAVEL)
DSB-6
DSB-5
OLD SAW MILL
CONC.
CONC.
SCALE
DIP TANK BUILDING
WEISENBERGER ROAD
PALLET FACTORY
PW-3
SAW MILL
GRAVEL YARD ROAD
DSB-11
DMW-10
DSB-10
DSB-12
(CONC.)
(CONC.)
SAW DUST ENCLOSURE
ABOVE GROUND FUEL TANKS
DSB-9
MAINT. BUILDING
LOGS PILED OVER THIS AREA
MAINTENANCE BUILDING
WOOD STORAGE
LEGEND:
PUMPING WELL LOCATION
DMW-1 MONITORING WELL
DPZ-1 PIEZOMETER
DSB-1 SOIL BORING
MW-1 MONITORING WELL
PW-2 PRIVATE WATER SUPPLY WELL
EXISTING 3/4" IRON BAR—PROPERTY CORNER
PROPERTY BOUNDARY LINE
1236 GROUND SURFACE CONTOUR
POWER POLE
OVERHEAD ELECTRIC
UNDERGROUND ELECTRIC
UNDERGROUND TELEPHONE
OVERHEAD TELEPHONE & ELECTRIC
UNDERGROUND GAS
TEMPORARY SECURITY FENCING
0
SCALE

Attachment 1
DOA Approved Landfills

NAME	LICENSE	COUNTY
Adams County Resource Recovery	3150	Adams
Antigo City Landfill	3294	Langlade
Dane County Landfill #2 - Rodefeld	3018	Dane
WMWI Deer Track Park Inc. Landfill	3230	Jefferson
Highway G Sanitary Landfill	3100	Vilas
Juneau County Landfill #2	3070	Juneau
Kewaunee County SW Balefill	2975	Kewaunee
La Crosse County Landfill	3253	La Crosse
BFI-Lake Area Disposal Landfill - East	3474	Washburn
Lincoln County Sanitary Landfill	3141	Lincoln
Ma-Oco Landfill	3095	Marinette
Marathon County Landfill Area B	3338	Marathon
ONYX Cranberry Creek Landfill	2967	Wood
ONYX Emerald Park, Inc.	3290	Waukesha
ONYX Glacial Ridge Landfill	3068	Dodge
ONYX Seven Mile Creek Landfill	3097	Eau Claire
Outagamie County SW Div. Landfill	2484	Outagamie
Portage County Landfill	2966	Portage
Rock County/Janesville City Landfill	3023	Rock
Sanitary Northwoods Refuse Disposal	3212	Barron
Sauk County Sanitary Landfill	2978	Sauk
Shawano City Landfill - Phase 2	3069	Shawano
Superior City - Moccasin Mike Landfill	2627	Douglas
Vernon County Solid Waste/Recycling	3268	Vernon
WMWI - Mallard Ridge Northern	3244	Walworth
WMWI - Metro Recycling and Disposal	1099	Milwaukee
WMWI - Orchard Ridge Recycling	3360	Waukesha
WMWI - Pheasant Run Recycling	3062	Kenosha
WMWI - Ridgeview Recycling and Disposal	3041	Manitowoc
WMWI - Timberline Trail	3455	Rusk
WMWI - Valley Trail	3066	Green Lake
Winnebago County Landfill	3175	Winnebago

Attachment 2

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 2 Of 2

SCHOFIELD, WISCONSIN

FOR MILLER Wiesenberger

LOCATION Marathon, WI Elev.

Job No. 2101

Boring No. MW-1

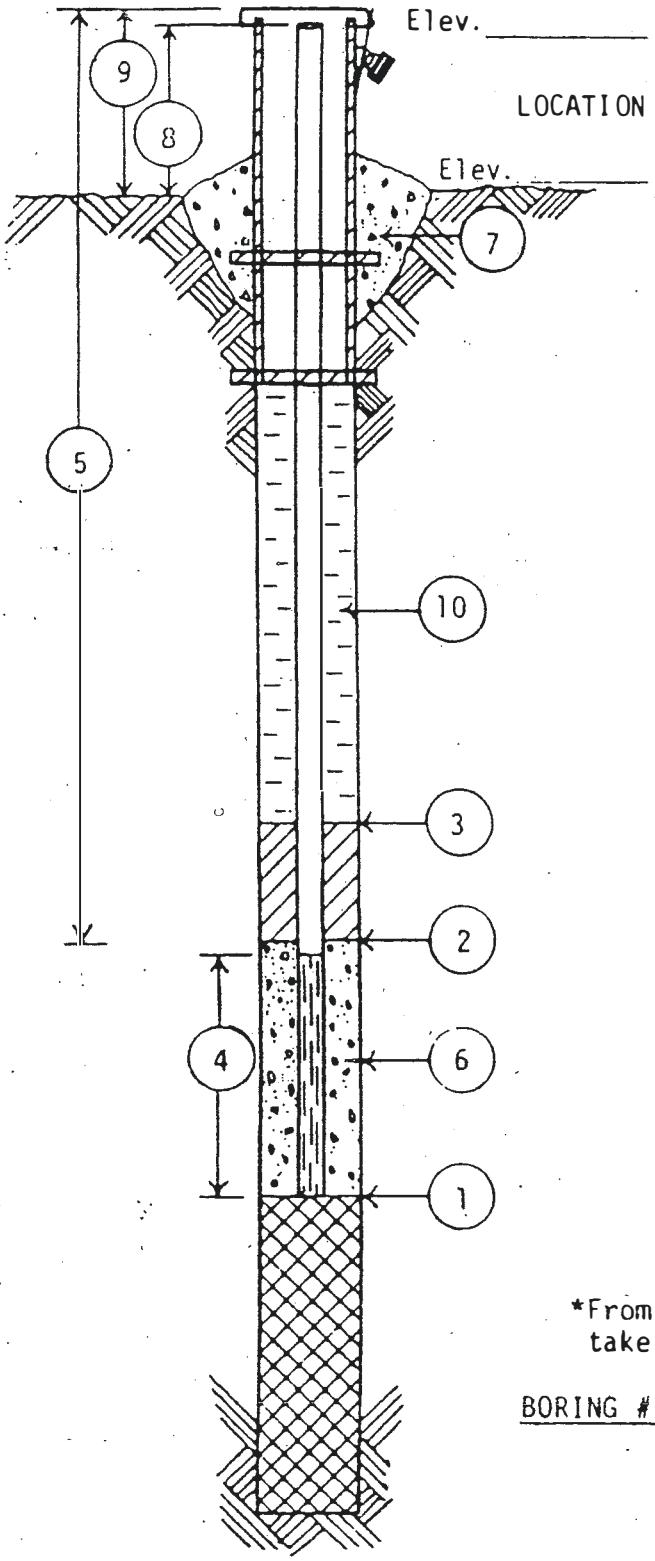
GROUND WATER: While drilling ____ Time after drilling ____ ____
Before casing removal ____ Depth to water 26.5' ____
After casing removal ____ Depth to cave-in ____ ____

Start 1-25-90
Unit 807
Chief L.E.

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe Weight 140# Drop 30"	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						Fracture/Water Zone						6" Hammer
						Gray GRANITE BEDROCK						
						E.O.B. @ 60.0'						
						Well Set @ 60.0'						

55 60 65 70 75 80 85 90 95 100

WELL DETAIL INFORMATION SHEET



JOB NO. 2101

BORING NO. MW-1

DATE 1-26-90

CHIEF L.E.

LOCATION Wiesenberger - Marathon, WI

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 60.0 FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 45.0 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 41.3 FEET.
4. LENGTH OF WELL POINT (PVC WELL SCREEN) OR SLOTTED PIPE 10.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 52.5 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE #30 Sand.
7. CONCRETE CAP, YES (NO) (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.6.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Granular Bentonite & Hole Plu

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

MW -2

WISCONSIN TEST DRILLING, INC. — **FIELD BORING LOG**

Sheet 1 Of 1

SCHOFIELD, WISCONSIN

FOR MILLER Weisenberger

LOCATION Marathon, WI Elev.

Job No. 2101

Boring No. MW-2

GROUND WATER	While drilling	Possible 35'	Time after drilling	18 hrs.	Start 1-24-90
	Before casing removal		Depth to water	38.0'	Unit 807
	After casing removal		Depth to cave-in		Chief L.E.

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe Weight 140# Drop 30"	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						Red Brn. Sandy SILT						6" Tricone & Air
						Red Brn. WEATHERED GRANITE						
1	M	12	18									
		24		1.5	42							
2	M	19	25									
		29		1.2	54							
3	M	28	60									
		100.4		1.4	160							
						Gray GRANITE BEDROCK						6" Hammer
						E.O.B. @ 45.5'						

WELL DETAIL INFORMATION SHEET

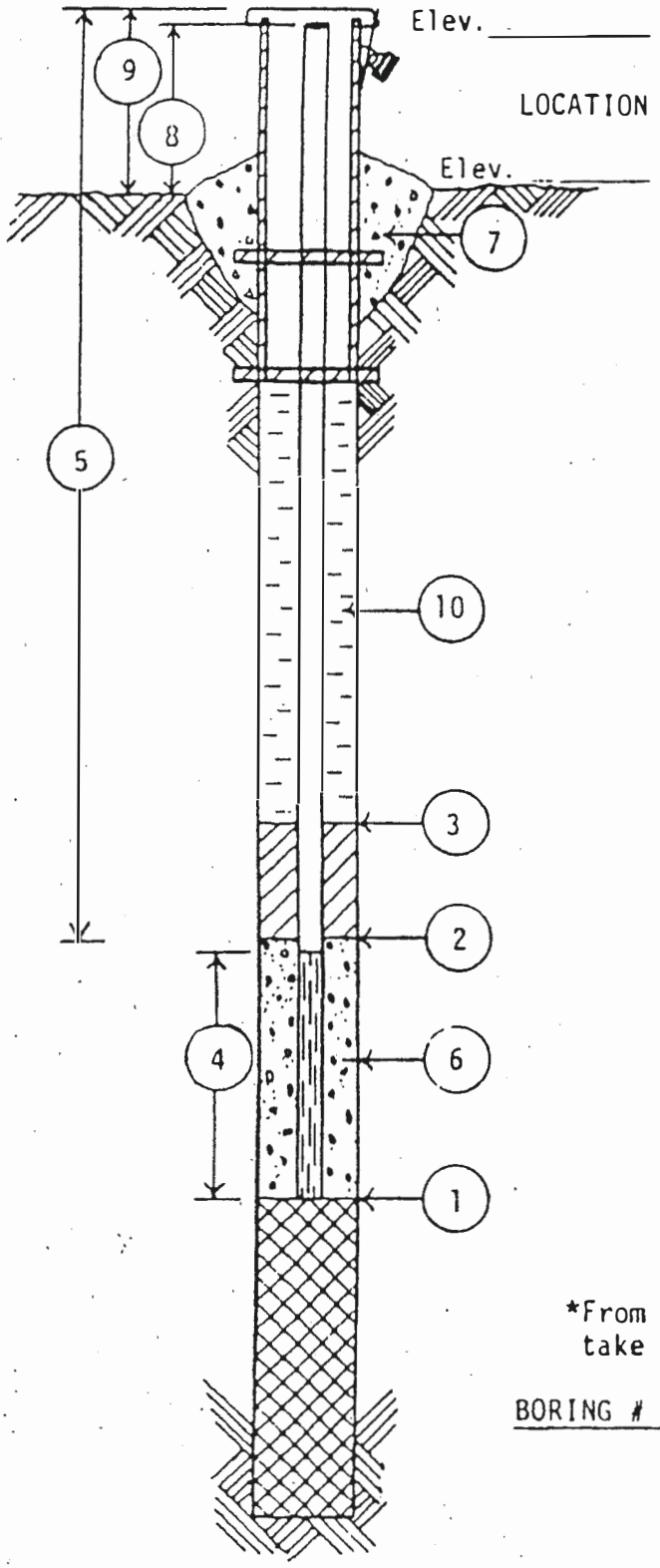
JOB NO. 2101

BORING NO. MW-2

DATE 1-25-90

CHIEF L.E.

LOCATION Wiesenberger - Marathon, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 45.5 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 30.5 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) 26.0 FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 10.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 38.0 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Sand.

(7) CONCRETE CAP, YES (NO) (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 2.5 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.6.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Granular Bentonite

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Weisenberger Lumber	_ _ _ _ _ _ _	DMW-9

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started (M M / D D / Y Y)	Date Drilling Completed (M M / D D / Y Y)	Drilling Method
WTD - Mike Mueller	01/08/93	01/08/93	Air Rotary

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	1270.07 Feet MSL	6 inches

Boring Location
State Plane _____ N, _____ E S/C/N | Lat ___ ___ ___
NW 1/4 of NE 1/4 of Section 1, T 28 N, R 5 (E)W | Long ___ ___ ___

Local Grid Location (If applicable)
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Marathon	37	Marathon, WI

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	1.0	36	5	Weathered BEDROCK						M				
			10											
			15											
			20											
			25											
			30	Hard ROCK										
			35											
			40	EOB 38.0'										
			45											
			50											

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

Signature	Firm
Ron Thalacker	WTD Environmental Drilling

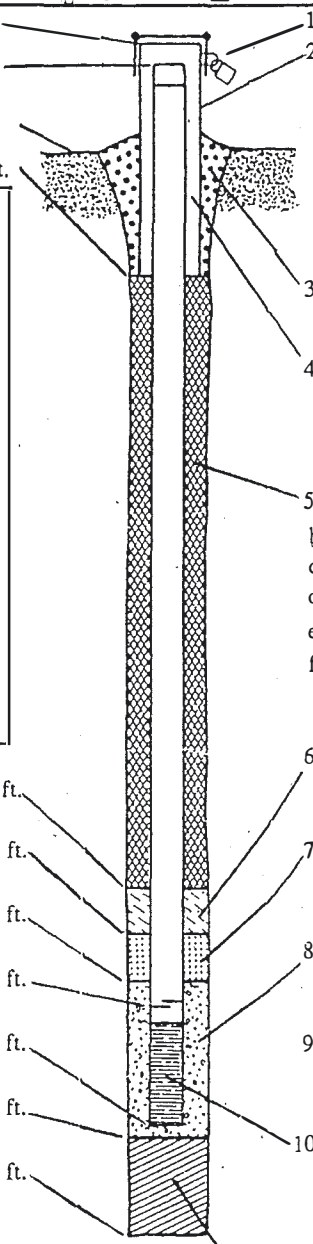
This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Weisenberger Lumber	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: DMW-9
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ ____ ____ Long. ____ ____ ____ or	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 01/08/93 (mm/dd/yy)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E. ☐W.	Well Installed By: (Person's Name and Firm): Mike Mueller / WTD Environmental Drilling
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	



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 1272.48 ft. MSL
C. Land surface elevation 1270.07 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☒ 01; Drilling Mud ☐ 03; None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or 6 ft.
F. Fine sand, top _____ ft. MSL or 130 ft.
G. Filter pack, top _____ ft. MSL or 150 ft.
H. Screen joint, top _____ ft. MSL or 170 ft.
I. Well bottom _____ ft. MSL or 320 ft.
J. Filter pack, bottom _____ ft. MSL or 380 ft.
K. Borehole, bottom _____ ft. MSL or 380 ft.
L. Borehole, diameter 60 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.01 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ ____; Other ☐ ____
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
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger #7
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. American Materials #30
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Northern Air
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

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

Signature: Ron Thalacker | Firm: WTD Environmental Drilling

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 $5000 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.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Weisenberger Lumber		DMW-10

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
WTD -Mike Mueller	01/06/93 (M M / D D / Y Y)	01/06/93 (M M / D D / Y Y)	Hollow Stem Auger

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	1256.64 Feet MSL	7 inches

Boring Location
State Plane _____ N, _____ E S/C/N Lat ___ ___ ___
NW 1/4 of NE 1/4 of Section 1, T 28 N, R 5 ☐E/W Long ___ ___ ___

Local Grid Location (If applicable)
_____ Feet ☐N ☐S _____ Feet ☐E ☐W

County	DNR County Code	Civil Town/City/ or Village
Marathon	37	Marathon, WI

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	1.8	18	0	Brn Silty SAND						M				
2	1.7	29	5							M				
3	1.7	15		Weathered GRANITE						M				
4	1.8	18	10							M				
			15											
			20											
			25											
			30											
			35											
			40	EOB 36.0'										
			45											
			50											

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

Signature Ron Thalacker Firm WTD Environmental Drilling

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Weisenberger Lumber	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: DMW-10
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 1, T. 28 N, R. 5 ☒E. ☐W.	Date Well Installed: 01/06/93
Distance Well Is From Waste/Source Boundary: _____ 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) Mike Mueller; WTD Environmental Drilling
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 1259.18 ft. MSL
C. Land surface elevation 1256.64 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 4.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☐ No

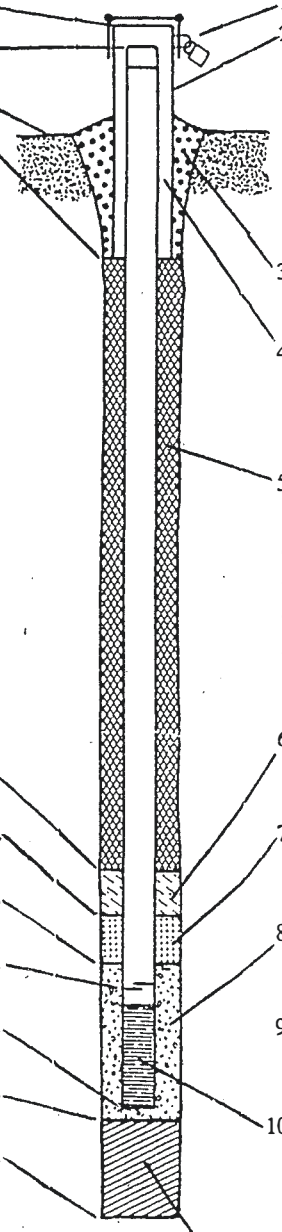
14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☒ 01; Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.6 ft.
F. Fine sand, top _____ ft. MSL or 13.0 ft.
G. Filter pack, top _____ ft. MSL or 15.0 ft.
H. Screen joint, top _____ ft. MSL or 17.0 ft.
I. Well bottom _____ ft. MSL or 32.0 ft.
J. Filter pack, bottom _____ ft. MSL or 36.0 ft.
K. Borehole, bottom _____ ft. MSL or 36.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04; Other ☐ _____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Bumper Posts
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ _____; Other ☐ _____
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
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger #7
b. Volume added _____ ?
8. Filter pack material: Manufacturer, product name and mesh size
a. American Materials #30
b. Volume added _____ ?
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Northern Air
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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Signature: Glen Thalacker | Firm: WTD Environmental Drilling

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LIST 1 LANDFILLS

Landfills that are included on LIST 1 are not currently suspected of contaminating ground water and are employing engineering and operational practices that are protective of the ground water. Please see note at the bottom of this list. LIST 1 landfills include:

Adams County Resource Recovery
Lic# 3150

Antigo City Landfill
Lic# 3294 Langlade County

Ashland City Landfill
Lic# 3087 Ashland County
Indicated only 6 months remaining site life on 2000 Annual Report

Dane County Landfill #2 Rodefeld
Lic# 3018

Door County Sanitary Landfill
Lic# 2937 Not renewing their license after Oct 1, 2001.

Highway G Sanitary Landfill
Lic# 3100 Vilas County

Kewaunee County SW Balefill
Lic# 2975

Lake Area Disposal Landfill - East
Lic# 3474 Washburn County

Lincoln County Sanitary Landfill
Lic# 3141

Mar - Oco Landfill
Lic# 3095 Marinette County

Marathon County Landfill Area B
Lic# 3338

Outagamie County SW Div. Landfill
Lic# 2484

Portage County Landfill
Lic# 2966

Republic Services of Wisconsin - Mallard Ridge Northern
Lic# 3244 Walworth County

Rock County/Janesville City Landfill
Lic# 3023

Sanitary Northwoods Refuse Dispos.
Lic# 3212 Barron County [CLOSED?]

Shawano City Landfill - Phase 2
Lic# 3069 Shawano County

Superior City-Mocassin Mike Landfill
Lic# 2627 Douglas County

Superior Cranberry Creek Landfill
Lic# 2967 Wood County

Superior Emerald Park, Inc.
Lic# 3290 Waukesha County

Superior Glacial Ridge Landfill
Lic# 3068 Dodge County

Superior Hickory Meadows Landfill
Lic# 3134 Calumet County

Superior 7 Mile Creek Landfill
Lic# 3097 Eau Claire County

Vernon County Solid Waste/Recycling
Lic# 3268

WMWI - Metro Recycling and Disp.

Continued on Opposite Side

Lic# 1099 Milwaukee County

WMWI - Orchard Ridge Recycling
Lic# 3360 Waukesha County

WMWI - Pheasant Run Recycling
Lic# 3062 Kenosha County

WMWI - Ridgeview Recycling/Disp.
Lic# 3041 Manitowoc County

WMWI - Timberline Trail
Lic# 3455 Rusk County

WMWI - Valley Trail
Lic# 3066 Green Lake County

Winnebago County Landfill
Lic# 3175

Note: This list is provided as rough guidance. State facilities using contract waste services should evaluate the suitability of a vender at the time of contracting. We recommend that you contact the DNR regional office to talk directly with staff assigned to the landfill you are considering using to determine whether there have been any changes since the list was last updated. The easiest way to find the appropriate contact is to go to the following website address http://www.dnr.state.wi.us/org/aw/wm/contacts/, click on the county and then click on "Solid Waste Requirements." The person listed will either be assigned to the site or know who is assigned. It is important to contact someone familiar with the site, because the list becomes dated quickly and does not include sites where the Department has approved groundwater remediaton.

LIST TWO LANDFILLS

Landfills that are included on LIST 2 do not have engineering designs that protect the groundwater, but are not currently suspected to be contaminating ground water. LIST 2 landfills include:

Washington Island Landfill
Lic# 2837 Door County