

GIS REGISTRY INFORMATION

SITE NAME: Former Koch Marine Fueling  
BRRTS #: 02-16-000446  
CLOSURE DATE: Conditional: 6/3/99 Final: 1  
STREET ADDRESS: # 1 Hill Ave  
CITY: Superior

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

OFF-SOURCE CONTAMINATION (>ES):  Yes  No

IF YES, STREET ADDRESS 1: \_\_\_\_\_  
GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

IF YES, STREET ADDRESS 2: \_\_\_\_\_  
GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

IF YES, STREET ADDRESS 3: \_\_\_\_\_  
GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

IF YES, STREET ADDRESS 4: \_\_\_\_\_  
GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

IF YES, STREET ADDRESS 5: \_\_\_\_\_  
GPS COORDINATES (meters in WTM91 projection): X= \_\_\_\_\_ Y= \_\_\_\_\_

CONTAMINATION IN RIGHT OF WAY:  Yes  No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure letter issued
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties
- County Parcel ID number, if used for county, for all affected properties
- Location Map which outlines all properties within contaminated site boundaries in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy)
- Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy)
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Isoconcentration map(s), if available from site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of contamination defined. If not available, include the following 2 types of maps:
  - Latest groundwater flow/monitoring well location map
  - Latest extent of contaminant plume map
- Geologic cross-sections, if available from SI. (8.5x14' if paper copy)

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**RP certified statement that legal descriptions are complete and accurate**

**Copies of off-source notification letters (if applicable)**

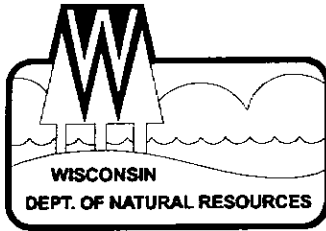
**Letter informing ROW owner of residual contamination (if applicable)**

**Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure.***

<input checked="" type="checkbox"/>
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<input type="checkbox"/>

N/A

N/A



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
William H. Smith, Regional Director

Northern Region Headquarters  
107 Sutliff Ave.  
Rhineland, Wisconsin 54501-0818  
Telephone 715-365-8900  
FAX 715-365-8932  
TDD 715-365-8957

April 19, 2002

Mr. Greg Schrab  
Koch Petroleum Group  
PO Box 64596  
St. Paul, MN 55164-0596

SUBJECT: Final Case Closure  
Former Koch Marine Fueling Facility, #1 Hill Ave, Superior, WI  
WDNR BRRTS #: 02-16-000446

Dear Mr. Schrab:

On June 3, 1999, your site as described above was reviewed for closure by the Northern Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On June 8, 1999, you were notified that the Closure Committee had granted conditional closure to this case.

On April 19, 2002, the Department received correspondence indicating that you have complied with the conditions of closure, specifically, submittal of materials and fees for placement on the GIS Registry. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-365-8990.

Sincerely,  
NORTHERN REGION

Janet Kazda  
Remediation and Redevelopment Program



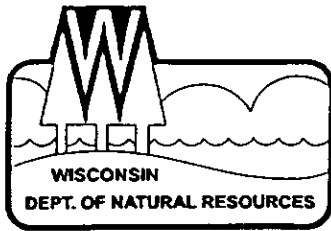
Quality Natural Resources Management  
Through Excellent Customer Service



cc: File

Mark Hagley  
Barr Engineering Co  
332 W Superior St  
Duluth, MN 558002

Dana Stone  
CLM Corporation  
12<sup>th</sup> Ave West and Waterfront  
Duluth, MN 55802



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
William H. Smith, Regional Director

Northern Region Headquarters  
107 Sutliff Ave.  
Rhinelander, Wisconsin 54501-0818  
Telephone 715-365-8900  
FAX 715-365-8932  
TDD 715-365-8957

June 8, 1999

Koch Refining Co  
PO Box 64596  
St Paul, MN 55164

Subject: Marine Fueling Facility, #1 Hill Ave, Superior, WI BRRTS # 02-16-000446

To Whom It May Concern:

The Department of Natural Resources provided a notice to you that the degree and extent of fuel oil contamination at the above-named site was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished.

On June 3, 1999, the above-named site was reviewed by the Northern Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the fuel oil contamination at the above-named site has been remediated in compliance with the requirements of chs. NR 700 to 724, Wis. Adm. Code., and that no further action is necessary at this time. Therefore, the Department will consider the case "closed," if the responsible party sign and record a Groundwater Use Restriction for the property.

Enclosed is an example of a Groundwater Use Restriction. Please draft a specific Groundwater Use Restriction for this site and submit the draft to me. Department of Natural Resources attorneys will review the draft and return it to you with revisions. After you have made the revisions, you should sign and record the restriction with the County Register of Deeds. To document that this condition has been complied with, the responsible party must submit to the Department a copy of the recorded Groundwater Use Restriction, with the recording information stamped on it, within 15 days after the Register of Deeds returns the Groundwater Use Restriction to the responsible party. The Groundwater Use Restriction may be amended in the future with the approval of DNR if conditions change at the site and the residual contamination is remediated.

Please note that this case closure is contingent upon proper documentation of proper abandonment of the monitoring wells on site. If monitoring wells remain at this site, please provide the documentation that this action has been completed, or have your consultant do so. The documentation can be sent to my attention at the above address.

If you have any additional information which was not formerly provided to the Department, and which you feel would significantly impact this closure decision, you may submit that information for our re-evaluation of case closure.



Quality Natural Resources Management  
Through Excellent Customer Service



If you have any questions, please call me at 715-365-8990.

Sincerely,  
NORTHERN REGION



Janet Kazda  
Case Closeout Committee

→ cc: File  
Lori Huntoon, Dept of Commerce  
Steve Karklins, DG/2  
Chuck Fitzgerald, Rhinelander  
Jim Hosch, Superior

Mark Hagley  
Barr Engineering Co  
332 W Superior St  
Duluth, MN 55802

Henry LaLiberte et ux  
 TO  
 Cutler LaLiberte McDougall Corporation

Filed for record the 18 day of July A. D. 19 46 at 9.40 o'clock A. M.  
 Ralph Nelson Register of Deeds  
 By \_\_\_\_\_ Deputy

~~This Indenture~~, Made by ~~Henry LaLiberte and Dorella M. LaLiberte, his wife~~  
 grantor ~~S. of St. Louis~~ Minnesota County, Wisconsin, hereby Quitclaim to  
 Cutler LaLiberte McDougall Corporation, a Wisconsin corporation,  
 grantee of Douglas County, Wisconsin, for  
 the sum of One Dollar (\$1.00) and other valuable consideration Below  
 the following tract of land in Douglas County, State of Wisconsin;

Lots One(1) to Six(6) inclusive in Block Five Hundred Three(503); Lots One(1) to Seven(7) inclusive in Block Five Hundred Four(504); Lots One(1) to Eight(8) inclusive in Block Five Hundred Five(505) and Lots One(1) to Eleven(11) inclusive in Block Five Hundred Six(506), all in the Townsite of West Superior, Sweetser Division, according to the plat thereof on file and of record in the office of the Register of Deeds within and for said County;

Together with the rights acquired and subject to the easements granted under the terms of the instruments recorded in the office of the Register of Deeds in and for Douglas County, Wisconsin, in Book S of Agreements on page 40, and in Book 117 of Deeds on page 492;

And together with any and all rights of way, easements and riparian or other rights appurtenant to the demised premises or any part thereof;

Subject to the taxes on said premises for the year 1946 which the grantee assumes and agrees to pay, and to the rights of Superior Water, Light & Power Company under deed of easement to maintain a waterpipe, as recorded in the office of said Register of Deeds in Book 81 of Deeds on page 69;

As a part of the consideration for this conveyance, it is expressly agreed by the grantee that no part of the premises hereby conveyed shall be used for a period of twenty-five(25) years from April 23, 1946, for the handling of coal other than coal consumed by Cutler-Magner Company or its controlled subsidiaries in connection with operations at the Head of the Lakes.

1-\$30.00 documentary US Revenue stamp cancelled	1-\$5.00 documentary US Revenue stamp cancelled	1-\$4.00 documentary US Revenue stamp cancelled
1-50¢ documentary US Revenue stamp cancelled		1-10¢ documentary US Revenue stamp cancelled

hands and seals of  
 In Witness Whereof, the said grantor and hereto set hand and seal this 10th day of May, A. D. 19 46.

Signed and Sealed in Presence of  
 Elda Zweigle  
 Elda Zweigle  
 Patricia Michaud  
 Patricia Michaud

Henry LaLiberte (Seal)  
 Henry LaLiberte (Seal)  
 Dorella M. LaLiberte (Seal)  
 Dorella M. LaLiberte (Seal)

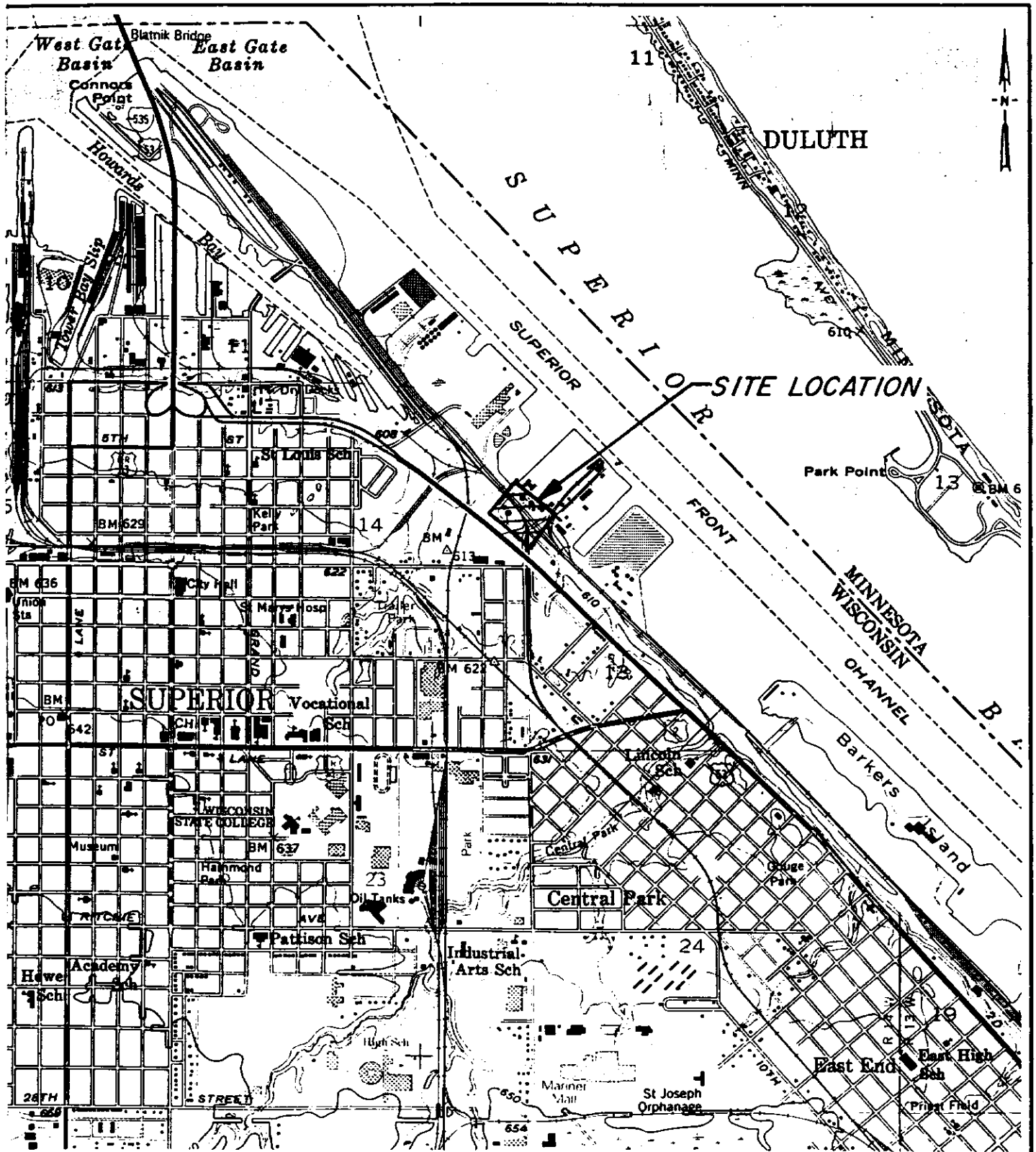
STATE OF WISCONSIN (Minnesota)  
 County of St. Louis

Personally came before me this 10th day of May, A. D. 19 46, the above named Henry LaLiberte and Dorella M. LaLiberte, his wife.

to me known to be the person who executed the foregoing instrument and acknowledged the same.  
 Ida Drannen - Ida Drannen  
 Notary Public - St. Louis County, Wis.  
 My commission expires Dec 10 A. D. 19 50

Notarial Seal  
 St. Louis County, Minn.

In Agreement for vol. 32 of agreements page 373.



MAP SOURCE: MODIFIED FROM SUPERIOR, WIS.-MINN. U.S.G.S. QUADRANGLE DATED 1993.



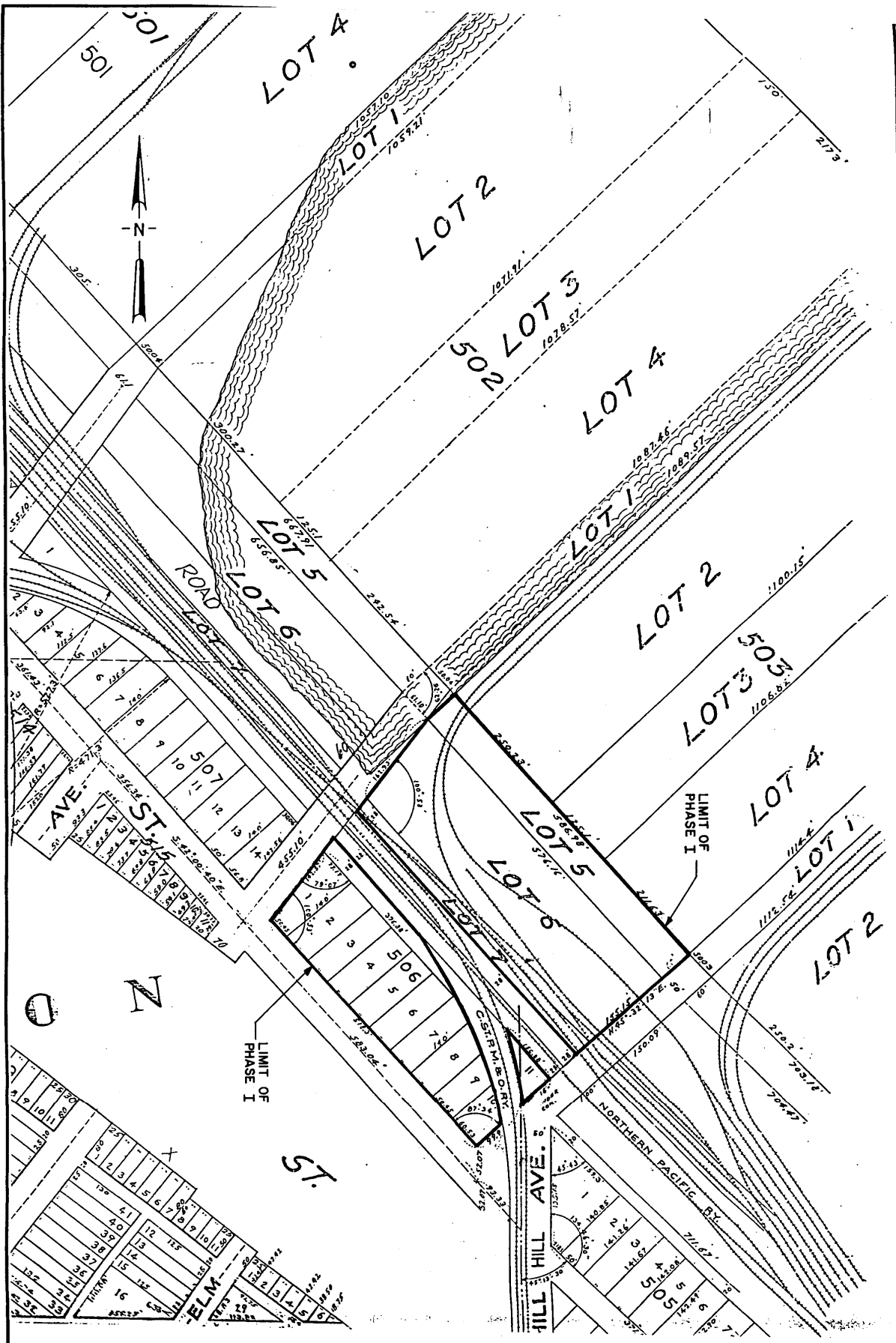
STS Consultants Ltd.  
Consulting Engineers


PROJECT/CLIENT

SITE LOCATION DIAGRAM  
MARINE FUELING TERMINAL  
SUPERIOR, WISCONSIN

DRAWN BY	P.D.P.	7-10-95
CHECKED BY		
APPROVED BY		
SCALE 1" = 2000'	FIGURE NO.	1
STS DRAWING NO.		18861W

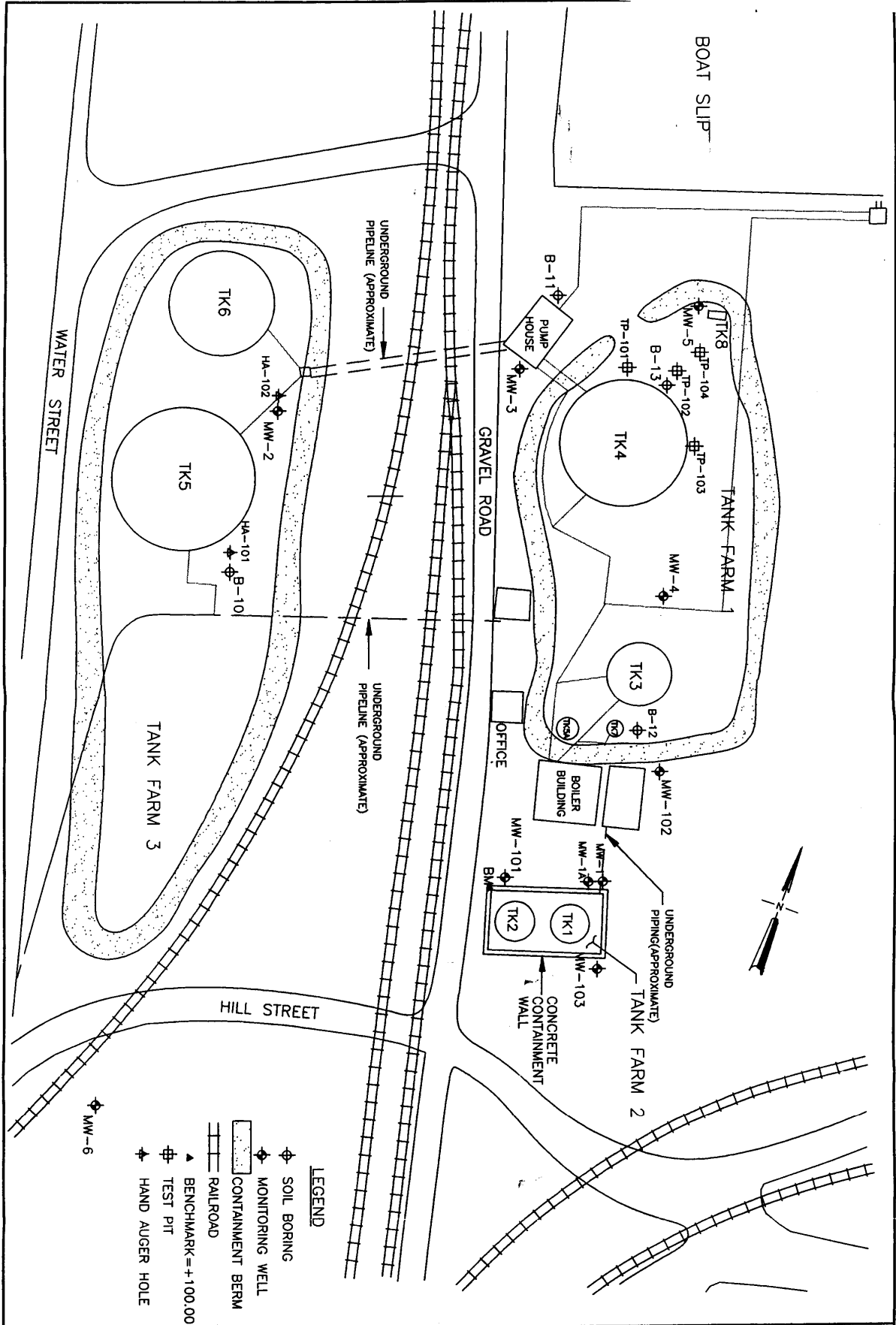




SHEET NO. 2	SCALE	STB PROJECT NO. 18661XP	 STB Consultants, Ltd. Consulting Engineers
		STB PROJECT FILE	

SITE PLAT DIAGRAM  
 KOCH FUELS, INC.  
 MARINE FUELING DIVISION TERMINAL  
 SUPERIOR, WI

DRAWN BY RAB	DATE 9/9/91
CHECKED BY	DATE
APPROVED BY	DATE
CADFILE	



**LEGEND**

- ⊕ SOIL BORING
- ⊕ MONITORING WELL
- ▭ CONTAINMENT BERM
- ▬ RAILROAD
- ▲ BENCHMARK=+100.00
- ⊕ TEST PIT
- ⊕ HAND AUGER HOLE

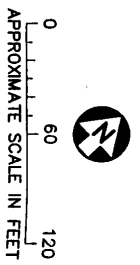
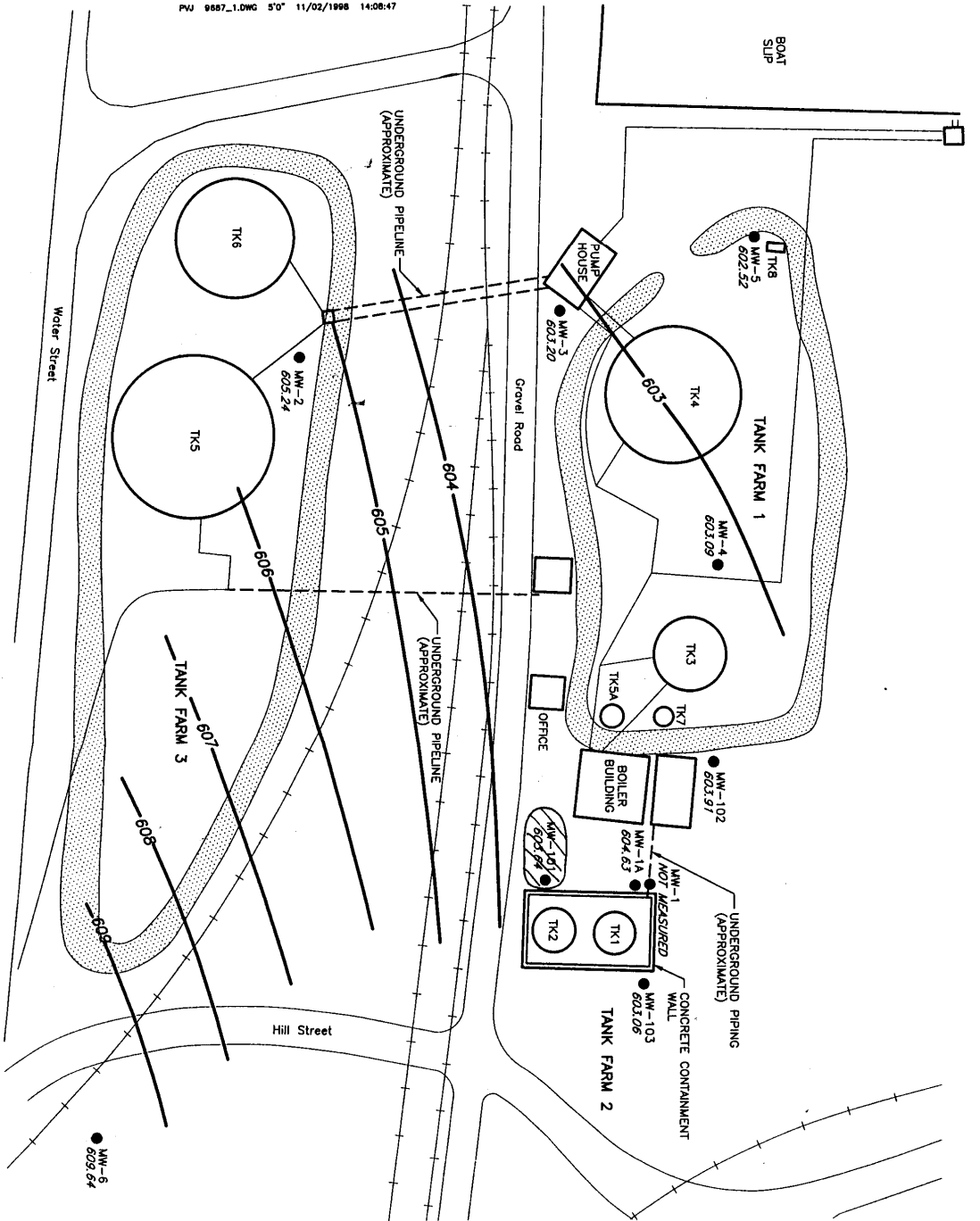
KOCH FUELS, INC.  
MARINE FUELING DIVISION TERMINAL  
SUPERIOR, WISCONSIN  
SITE DIAGRAM

DRAWN BY	P.D.P.	DATE	1-6-95
CHECKED BY	M.D.S.	DATE	1-6-95
APPROVED BY		DATE	
CADFILE			



SPS PROJECT NO.  
188611W  
SPS PROJECT FILE

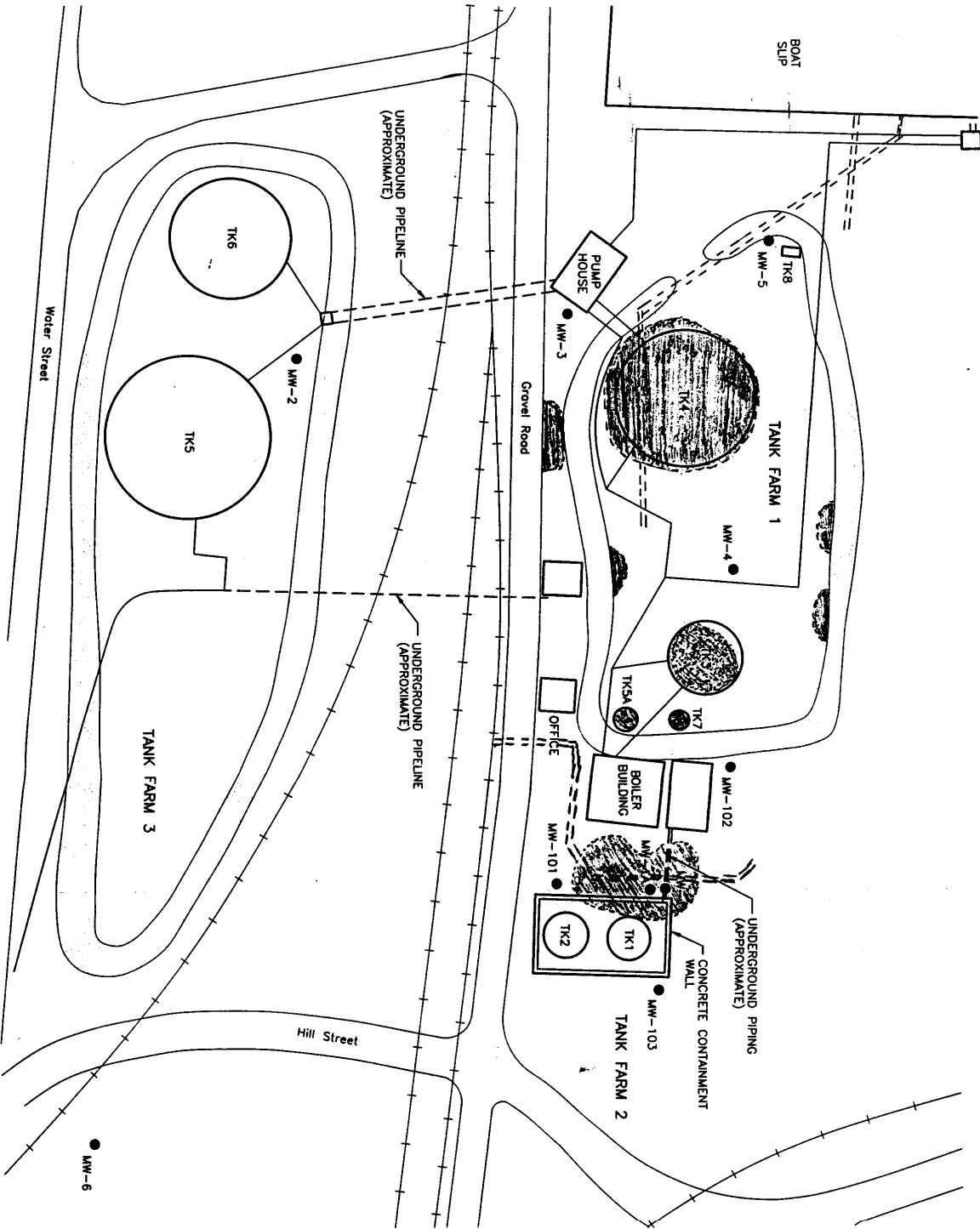
SCALE  
N.T.S.  
SHEET NO. 2



- Monitoring Well
- ◐ Containment Berm
- Aboveground Storage Tank
- 606 — Water Table Elevation (Feet, MSL)

Well with PAL  
Excesses during  
Most Recent  
Sampling

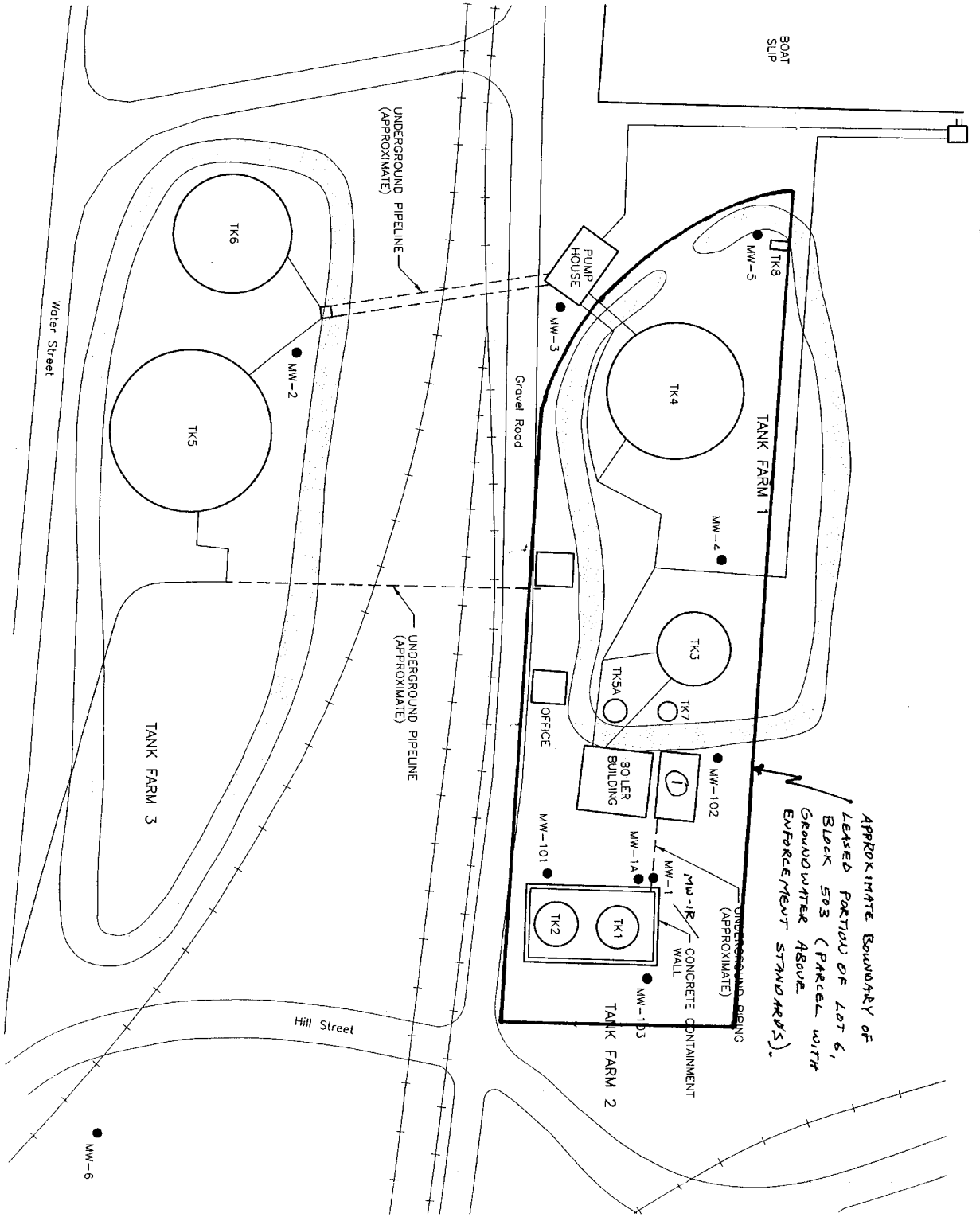
Figure 3  
GENERALIZED GROUNDWATER  
CONTOURS, MAY 1998  
(ELEVATION, FEET, MSL)  
Marine Fueling  
Superior, Wisconsin



0 60 120  
APPROXIMATE SCALE IN FEET

- Monitoring Well
- Containment Berm
- TK1 Aboveground Storage Tank
- Contaminated Soil Zones (Excavated)
- ==== Piping (Removed)

Figure 2  
SITE MAP  
Marine Fueling  
Superior, Wisconsin



APPROXIMATE BOUNDARY OF LEASED PORTION OF LOT 6, BLOCK 503 (PARCEL WITH GROUNDWATER ABOVE EMERGENCY STRANDARDS).

0 60 120  
APPROXIMATE SCALE IN FEET



- Monitoring Well
- Containment Berm
- Aboveground Storage Tank

NOTE: ALL FACILITIES WITHIN LOT 6 HAVE BEEN REMOVED (IE, TANKS, BUILDINGS, PIPES, WELLS), WITH THE EXCEPTION OF THE BUILDING LABELED AS (I) AND THE PUMP HOUSE BUILDING.

WELL MW-1R REPAIRED WELL MW-1 (AT THE SAME LOCATION) IN 2000.

Figure 2  
SITE MAP  
Marine Fueling  
Superior, Wisconsin

Table 2

Groundwater Analytical Data Summary  
Marine Fueling Terminal  
Superior, Wisconsin

	Date	Benzene	Ethyl-Benzene	MTBE	Toluene	Total Xylene	Benzo(a)pyrene	Naphthalene	DRO
MW-1*	08-03-91	18.9	67.3	NA	<5.0	206.6	<0.02	165	20,800
	10-21-94	<500	<1,000	<2,000	<2,000	<2,050	<6.0	1,410	1,360,000
	09-04-96	3.4	30	<1.0	<1.0	63	<0.08	48	18,000
	12-10-96	NS	NS	NS	NS	NS	NS	NS	NS
	03-26-97	NS	NS	NS	NS	NS	NS	NS	NS
MW-1A	08-03-91	NA	NA	NA	NA	NA	NA	NA	3,122
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	NA	NA	4,200
	09-04-96	0.7	<1.0	<1.0	<1.0	<2.0	<0.2	<5.0	8,900
	12-11-96	7.5	<1.0	<1.0	<1.0	<2.0	<0.2	3.2	2,100
	03-26-97	0.2 Q	<0.64	<0.64	0.2 Q	<1.6	NA	NA	3,100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	810
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	1,400
MW-2	08-03-91	<0.2	<1.0	NA	<0.5	<2.0	<0.02	<0.02	192
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	<50
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	400
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	120
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<110
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<100
MW-3	08-03-91	<0.2	<1.0	NA	<0.5	<2.0	<0.02	0.640	<100
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	118
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	450
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	<100
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<100
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	5,500
	ES	5	700	60	343	620	0.2	40	—
	PAL	0.5	140	12	68.6	124	0.02	8	—

NOTES: All units in micrograms per liter (µg/l)

8-3-91 DRO values reported above reflect TPH-Diesel concentrations

PAL = NR 140 Preventive Action Limit

ES = NR 140 Enforcement Standard

— = NR 140 Standard Not Established

NA = Not Analyzed

NS = Not Sampled

Q = Reported concentration is above the Limit of Detection but below the Limit of Quantification.

  = Detected at or above NR 140 ES

  = Detected at or above NR 140 PAL

\* Well MW-1 destroyed during site demolition activities. No samples after March 1997.

\*\* Well MW-101 damaged during site demolition activities. No sample obtained in November 1997.

Table 2 (continued)

**Groundwater Analytical Data Summary  
Marine Fueling Terminal  
Superior, Wisconsin**

	Date	Benzene	Ethyl-Benzene	MTBE	Toluene	Total Xylene	Benzo(a)pyrene	Naphthalene	DRO
MW-4	08-03-91	<0.2	<1.0	NA	<0.5	<2.0	<0.02	<0.02	<100
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.12	<0.22	1,260
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	660
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	130
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<100
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	410
	MW-5	08-03-91	0.2	<1.0	NA	<0.5	<2.0	<0.02	<0.02
10-21-94		<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	1,760
09-04-96		<0.6	<1.0	<1.0	<1.0	<2.0	<0.08	<0.5	2,400
12-10-96		<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	790
03-26-97		<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	1,100
11-15-97		<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	600
5-29-98		<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	240
MW-6		08-03-91	<0.2	<1.0	NA	<0.5	<2.0	5.54	2.70
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	5.69	<0.11	770
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	540
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	100
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<110
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<120
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	240
	MW-101	08-03-91	—Well Not Installed—			—	—	—	—
10-21-94		0.573	<1.0	<2.0	<2.0	<3.38	<0.06	5.57	5,200
09-04-96		1.2	<1.0	<1.0	<1.0	<2.0	<0.08	<2.0	16,000
12-11-96		0.8	<1.0	<1.0	<1.0	4.0	<0.04	4.5	2,600
03-26-97		0.5 Q	<0.64	<0.64	0.2Q	<1.0 Q	NA	NA	2,200
11-15-97		NS **	NS **	NS **	NS **	NS **	NS **	NS **	NS **
5-29-98		0.71	1.1 Q	<0.65	<0.58	<2.65	NA	NA	2,900
ES		5	700	60	343	620	0.2	40	—
PAL	0.5	140	12	68.6	124	0.02	8	—	

NOTES: All units in micrograms per liter (µg/l)

8-3-91 DRO values reported above reflect TPH-Diesel concentrations

PAL = NR 140 Preventive Action Limit

ES = NR 140 Enforcement Standard

— = NR 140 Standard Not Established

NA = Not Analyzed

NS = Not Sampled

Q = Reported concentration is above the Limit of Detection but below the Limit of Quantification.

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\* Well MW-1 destroyed during site demolition activities. No samples after March 1997.

\*\* Well MW-101 damaged during site demolition activities. No sample obtained in November 1997.

Table 2 (continued)

Groundwater Analytical Data Summary  
Marine Fueling Terminal  
Superior, Wisconsin

	Date	Benzene	Ethyl-Benzene	MTBE	Toluene	Total Xylene	Benzo(a)pyrene	Naphthalene	DRO
MW-102	08-03-91	—Well Not Installed—			—	—	—	—	—
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	1,360
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	2,200
	12-11-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	310
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	490
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	150
	5-29-98	0.14 Q	<0.59	<0.65	<0.58	<1.85	NA	NA	440
	MW-103	08-03-91	—Well Not Installed—			—	—	—	—
10-21-94		<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	1,060
09-04-96		<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	480
12-11-96		<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	430
03-26-97		NS	NS	NS	NS	NS	NS	NS	NS
11-15-97		<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	890
5-29-98		<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	1,100
ES		5	700	60	343	620	0.2	40	—
PAL		0.5	140	12	68.6	124	0.02	8	—

NOTES: All units in micrograms per liter (µg/l)

8-3-91 DRO values reported above reflect TPH-Diesel concentrations

PAL = NR 140 Preventive Action Limit

ES = NR 140 Enforcement Standard

— = NR 140 Standard Not Established

NA = Not Analyzed

NS = Not Sampled

Q = Reported concentration is above the Limit of Detection but below the Limit of Quantification.

= Detected at or above NR 140 ES

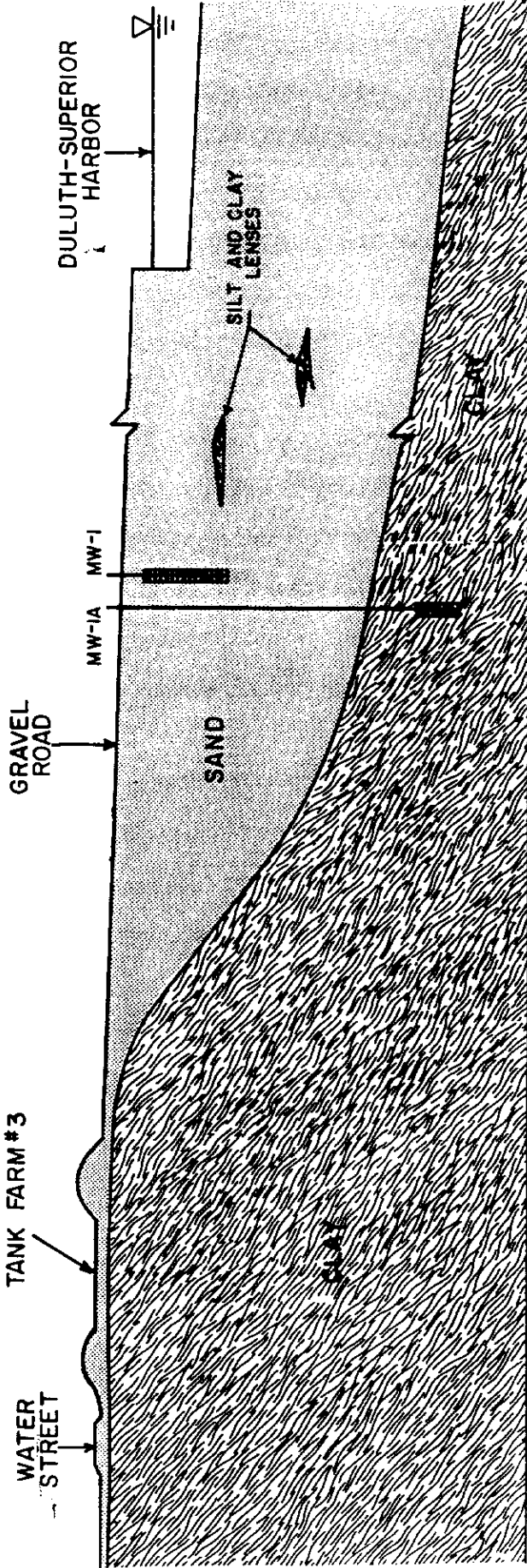
= Detected at or above NR 140 PAL

\* Well MW-1 destroyed during site demolition activities. No samples after March 1997.

\*\* Well MW-101 damaged during site demolition activities. No sample obtained in November 1997.



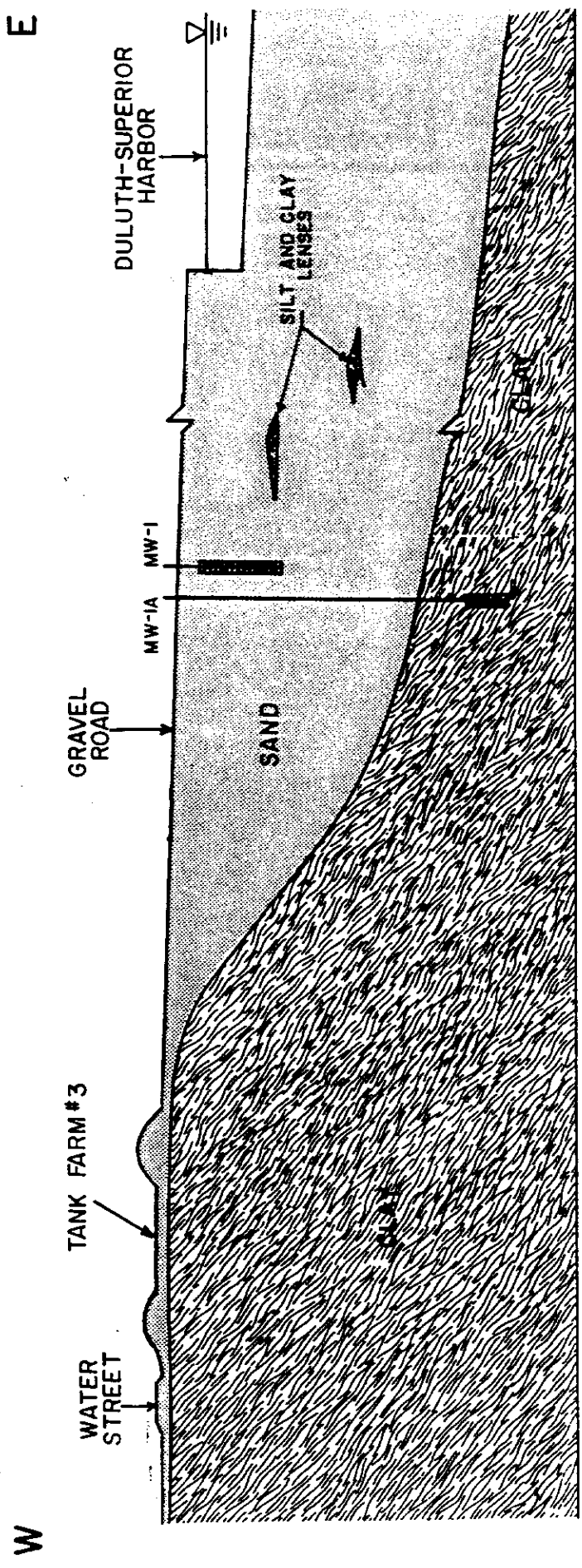
E



W

<p><b>KOCH FUELS, INCORPORATED</b>  <b>MARINE FUELING DIVISION TERMINAL</b>  <b>SUPERIOR, WISCONSIN</b></p> <p><b>GENERALIZED GEOLOGIC CROSS SECTION</b></p>		<p>DRAWN BY <b>P.M.P</b></p> <p>CHECKED BY</p> <p>APPROVED BY <b>MDS</b></p> <p>CADFILE</p>	<p>DATE <b>1-2-92</b></p> <p>DATE</p> <p>DATE <b>1-3-92</b></p>
<p>STS PROJECT NO.  <b>18861 XP</b></p> <p>STS PROJECT FILE</p>	<p>SCALE  <b>N.T.S</b></p>	<p>SHEET NO.  <b>6</b></p>	





DRAWN BY	P.M.P.	DATE	1-2-92
CHECKED BY		DATE	
APPROVED BY	MDS	DATE	1-3-92
CADFILE			

KOCH FUELS, INCORPORATED  
 MARINE FUELING DIVISION TERMINAL  
 SUPERIOR, WISCONSIN

GENERALIZED GEOLOGIC CROSS SECTION



STS PROJECT NO.	18861 XP
STS PROJECT FILE	
SCALE	N.T.S
SHEET NO.	6

**Table 1**  
**Groundwater Concentrations in Well MW-1R**  
**(Concentrations in ug/L)**

<b>Date</b>	<b>3/30/00</b>	<b>6/13/00</b>	<b>9/13/00</b>	<b>11/16/00</b>
<b>Diesel Range Organics</b>	10,000	19,000	15,000	15,000
<b>Benzene</b>	7.5	10	11	13
<b>Ethylbenzene</b>	14	26	18	13
<b>Toluene</b>	0.32	0.49	0.6	0.51
<b>1,3,5 Trimethylbenzene</b>	3.6	1.4	1.5	0.81 b
<b>1,2,4 Trimethylbenzene</b>	18	43	38	31
<b>Xylenes</b>	7.61	10.5	10	6.4

b = potential false positive detect based on compound detection in the trip blank.

Table 2

**Groundwater Analytical Data Summary  
Marine Fueling Terminal  
Superior, Wisconsin**

	Date	Benzene	Ethyl-Benzene	MTBE	Toluene	Total Xylene	Benzo(a)pyrene	Naphthalene	DRO
MW-1*	08-03-91	18.9	67.3	NA	<5.0	206.6	<0.02	165	20,800
	10-21-94	<500	<1,000	<2,000	<2,000	<2,050	<6.0	1,410	1,360,000
	09-04-96	3.4	30	<1.0	<1.0	63	<0.08	48	18,000
	12-10-96	NS	NS	NS	NS	NS	NS	NS	NS
	03-26-97	NS	NS	NS	NS	NS	NS	NS	NS
MW-1A	08-03-91	NA	NA	NA	NA	NA	NA	NA	3,122
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	NA	NA	4,200
	09-04-96	0.7	<1.0	<1.0	<1.0	<2.0	<0.2	<5.0	8,900
	12-11-96	7.5	<1.0	<1.0	<1.0	<2.0	<0.2	3.2	2,100
	03-26-97	0.2 Q	<0.64	<0.64	0.2 Q	<1.6	NA	NA	3,100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	810
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	1,400
MW-2	08-03-91	<0.2	<1.0	NA	<0.5	<2.0	<0.02	<0.02	192
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	<50
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	400
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	120
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<110
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<100
MW-3	08-03-91	<0.2	<1.0	NA	<0.5	<2.0	<0.02	0.640	<100
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	118
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	450
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	<100
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<100
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	5,500
		ES	5	700	60	343	620	0.2	40
	PAL	0.5	140	12	68.6	124	0.02	8	—

NOTES: All units in micrograms per liter ( $\mu\text{g/l}$ )

8-3-91 DRO values reported above reflect TPH-Diesel concentrations

PAL = NR 140 Preventive Action Limit

ES = NR 140 Enforcement Standard

— = NR 140 Standard Not Established

NA = Not Analyzed

NS = Not Sampled

Q = Reported concentration is above the Limit of Detection but below the Limit of Quantification.

  = Detected at or above NR 140 ES

  = Detected at or above NR 140 PAL

\* Well MW-1 destroyed during site demolition activities. No samples after March 1997.

\*\* Well MW-101 damaged during site demolition activities. No sample obtained in November 1997.

Table 2 (continued)

Groundwater Analytical Data Summary  
Marine Fueling Terminal  
Superior, Wisconsin

	Date	Benzene	Ethyl-Benzene	MTBE	Toluene	Total Xylene	Benzo(a)pyrene	Naphthalene	DRO
MW-4	08-03-91	<0.2	<1.0	NA	<0.5	<2.0	<0.02	<0.02	<100
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.12	<0.22	1,260
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	660
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	130
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<100
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	410
MW-5	08-03-91	0.2	<1.0	NA	<0.5	<2.0	<0.02	<0.02	1,460
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	1,760
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.08	<0.5	2,400
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	790
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	1,100
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	600
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	240
MW-6	08-03-91	<0.2	<1.0	NA	<0.5	<2.0	5.54	2.70	1,320
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	5.69	<0.11	770
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	540
	12-10-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	100
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	<110
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	<120
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	240
MW-101	08-03-91	—Well Not Installed—			—	—	—	—	—
	10-21-94	0.573	<1.0	<2.0	<2.0	<3.38	<0.06	5.57	5,200
	09-04-96	1.2	<1.0	<1.0	<1.0	<2.0	<0.08	<2.0	16,000
	12-11-96	0.8	<1.0	<1.0	<1.0	4.0	<0.04	4.5	2,600
	03-26-97	0.5 Q	<0.64	<0.64	0.2Q	<1.0 Q	NA	NA	2,200
	11-15-97	NS **	NS **	NS **	NS **	NS **	NS **	NS **	NS **
	5-29-98	0.71	1.1 Q	<0.65	<0.58	<2.65	NA	NA	2,900
	ES	5	700	60	343	620	0.2	40	—
	PAL	0.5	140	12	68.6	124	0.02	8	—

NOTES: All units in micrograms per liter (µg/l)  
 8-3-91 DRO values reported above reflect TPH-Diesel concentrations  
 PAL = NR 140 Preventive Action Limit  
 ES = NR 140 Enforcement Standard  
 — = NR 140 Standard Not Established  
 NA = Not Analyzed  
 NS = Not Sampled  
 Q = Reported concentration is above the Limit of Detection but below the Limit of Quantification.

0.573 = Detected at or above NR 140 ES      5.54 = Detected at or above NR 140 PAL

\* Well MW-1 destroyed during site demolition activities. No samples after March 1997.

\*\* Well MW-101 damaged during site demolition activities. No sample obtained in November 1997.

Table 2 (continued)

**Groundwater Analytical Data Summary  
Marine Fueling Terminal  
Superior, Wisconsin**

	Date	Benzene	Ethyl-Benzene	MTBE	Toluene	Total Xylene	Benzo(a)pyrene	Naphthalene	DRO
MW-102	08-03-91	—Well Not Installed—			—	—	—	—	—
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	1,360
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	2,200
	12-11-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	310
	03-26-97	<0.64	<0.64	<0.64	<0.64	<1.6	NA	NA	490
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	150
	5-29-98	0.14 Q	<0.59	<0.65	<0.58	<1.85	NA	NA	440
MW-103	08-03-91	—Well Not Installed—			—	—	—	—	—
	10-21-94	<0.5	<1.0	<2.0	<2.0	<2.0	<0.06	<0.11	1,060
	09-04-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	480
	12-11-96	<0.6	<1.0	<1.0	<1.0	<2.0	<0.02	<0.5	430
	03-26-97	NS	NS	NS	NS	NS	NS	NS	NS
	11-15-97	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	890
	5-29-98	<0.14	<0.59	<0.65	<0.58	<1.85	NA	NA	1,100
	ES	5	700	60	343	620	0.2	40	—
	PAL	0.5	140	12	68.6	124	0.02	8	—

NOTES: All units in micrograms per liter ( $\mu\text{g/l}$ )

8-3-91 DRO values reported above reflect TPH-Diesel concentrations

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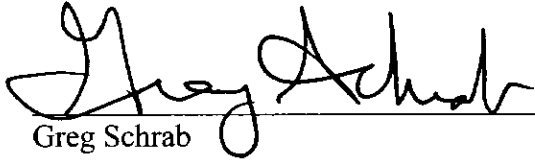
= Detected at or above NR 140 ES

= Detected at or above NR 140 PAL

\* Well MW-1 destroyed during site demolition activities. No samples after March 1997.

\*\* Well MW-101 damaged during site demolition activities. No sample obtained in November 1997.

The attached legal descriptions--in the form of the property deed, certified survey map, and the site location map and site map for the Former Koch-Marine Fueling Site (BRRTS #02-16-000446)--provide a complete and accurate legal description of the property, including the portion of the property to which the GIS registration applies.

A handwritten signature in black ink, appearing to read "Greg Schrab", written over a horizontal line.

Greg Schrab  
Senior Environmental Scientist  
Koch Pipeline Company, L.P.