

GIS REGISTRY INFORMATION

SITE NAME: Antigo Roundhouse & 2nd Ave
 BRRTS #: 03-34-000354
 CLOSURE DATE: 04/07/2000
 STREET ADDRESS: W of intersection of Edison St & 2nd Ave
 CITY: Antigo

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 586229 Y= 519509

OFF-SOURCE CONTAMINATION (>ES): Yes No

IF YES, STREET ADDRESS 1: 2nd Ave
 GPS COORDINATES (meters in WTM91 projection): X= 586319 Y= 519399

IF YES, STREET ADDRESS 2: W of Edison St & 2nd Ave
 GPS COORDINATES (meters in WTM91 projection): X= 586326 Y= 519371

IF YES, STREET ADDRESS 3: W of Edison St & 2nd Ave
 GPS COORDINATES (meters in WTM91 projection): X= 586326 Y= 519375

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)

| |
|---|
| X |
| X |
| |
| |
| X |
| X |
| X |
| |
| X |
| X |
| X |
| |

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.*

| |
|---|
| |
| |
| |
| X |

file

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES



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

6250 South Ranger Road
Brule, Wisconsin 54820
Telephone 715-372-4868
FAX 715-372-4836

May 18, 2000

Mr. Mike Payant
City of Antigo
700 Edison St
Antigo, WI 54409

Subject: City of Antigo Roundhouse and Second Ave Sites, Antigo, WI
BRRTS #03-34-000354 PECFA #54409-1959-10

Dear Mr. Payant:

On March 28, 2000, the Department of Natural Resources' Remediation and Redevelopment program wrote you a letter to inform you that the authority for the above named case has been transferred to the Department of Commerce. The original transfer of authority was based on a request by Coleman Engineering. After reviewing more recent guidance concerning the transfer of cases to the Department of Commerce, it appears that your case was transferred in error. Therefore, the Department of Natural Resources has received the case file from the Department of Commerce.

On April 7, 2000, 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 contamination at the above-named site has been remediated to the extent practicable under current site conditions, and that no further action is necessary at this time. Therefore, the Department will consider the case "closed," pursuant to NR 726.05(8)(am), if the responsible party sign and record a Groundwater Use Restriction for the two separate properties named above (Roundhouse and Second Avenue). In addition, a groundwater use restriction will have to be obtained from the adjacent landowner (McKenna).

Enclosed is an example of a Groundwater Use Restriction. Please draft a specific Groundwater Use Restriction for these sites and submit the drafts to me. Department of Natural Resources attorneys will review the drafts and return them to you with revisions. After you have made the revisions, you should record the restrictions 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 Restrictions, with the recording information stamped on them, within 15 days after the Register of Deeds returns the Groundwater Use Restrictions to the responsible party. The Groundwater Use Restrictions may be amended in the future with the approval of DNR is conditions change at the site and the residual contamination is remediated.

Our closure review indicates that residual soil contamination in excess of the generic residual contaminant levels (RCLs) promulgated in s. NR 720.09, Wis. Adm. Code, remains at the site at the site. In order for you to comply with the requirements of ch. NR 720 without conducting further remedial actions, you will either have to select a performance standard as described in s. NR 720.19(2), or calculate site specific RCLs using the procedure in s. NR 720.19(3). Per s. NR



714.07(5), Wis. Adm. Code, selection of a soil performance standard will require the publishing of a public notice as a class I notice under ch. 985, Wis. Stats. Compliance with ch. NR 720 requirements is among the criteria for closure under ch. NR 726, and as such is a condition of this particular closure determination. Enclosed is an example of a public notice. Please send documentation that you have published a notice or your calculations to me at the above address.

The groundwater use restriction is an option that the Department can offer to you in order to close this site. If you choose not to accept this option, you may perform additional investigation and cleanup of the remaining contamination. Note that this additional work may not be eligible for reimbursement through the Petroleum Environmental Cleanup Fund Award (PECFA) Program. You should contact the Department of Commerce to determine eligibility of the additional work for reimbursement.

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. Please complete Form 3300-5B and send it to my attention at the above address.

Please refer to the attached letter dated April 12, 1995 regarding the withdrawal of the Administrative Order related to the disposal of soils from the above-referenced sites. Please be aware that you must continue to sample the monitoring wells at the landfill in accordance with Solid Waste approvals.

NOTICE OF REMAINING SOIL CONTAMINATION Residual soil contamination remains along First Avenue, as indicated in the information submitted to the Department. If site conditions change in the future and this residual contaminated soil is excavated, the property owner at that time will be required to sample and analyze the excavated soil in order to determine whether the contamination still remains. Depending upon the results of that characterization, the owner may also have to properly store, treat, or dispose of any excavated materials, and/or take special precautions during excavation activities to prevent a direct contact threat to humans.

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.

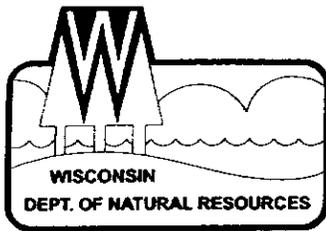
Sincerely,
NORTHERN REGION



Janet Kazda
Remediation and Redevelopment Program

→ Cc: File
Norm Dunbar, Rhinelander
Dee Zoellner, Dept of Commerce
Lori Huntoon, Dept of Commerce
Don Miller, Rhinelander

Michael DesRosier
Coleman Engineering
PO Box 607
Iron Mountain, MI 49801



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

October 2, 2001

Mr. Miles Stanke
City of Antigo
700 Edison St
Antigo, WI 54409

Subject: City of Antigo Roundhouse and Second Ave Sites, Antigo, WI
BRRTS # 03-34-000354

Dear Mr. Stanke:

The above-referenced site has been 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 May 18, 2000, you were notified that the Closure Committee had granted conditional closure to this case.

On September 26, 2001, the Department received correspondence indicating that you have complied with the conditions of closure, specifically, documentation of abandonment of the monitoring wells on site, publication of a notice of residual contamination, and recording of groundwater use restrictions for the affected parcels. Based on the correspondence and the data provided, it appears that your site has been remediation to Department standards in accordance with NR 726.05, Wis Adm Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

State Statute 101.143 requires that owners seeking reimbursement of interest costs from the PECFA Program submit a final reimbursement claim within 120 days after they receive a closure letter on their site. If you are eligible for the PECFA Program, and anticipate filing a PECFA reimbursement claim that includes interest costs, you must file a final reimbursement claim to the Department of Commerce within 120 days from receipt of this letter. If you fail to file a claim within that 120-day period, subsequent interest costs will not be eligible for reimbursement by PECFA.

However, please be aware that this case may be reopened pursuant to 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



→ c:

File
John Sager, Antigo
Michelle DeBrock-Owens, Rhinelander

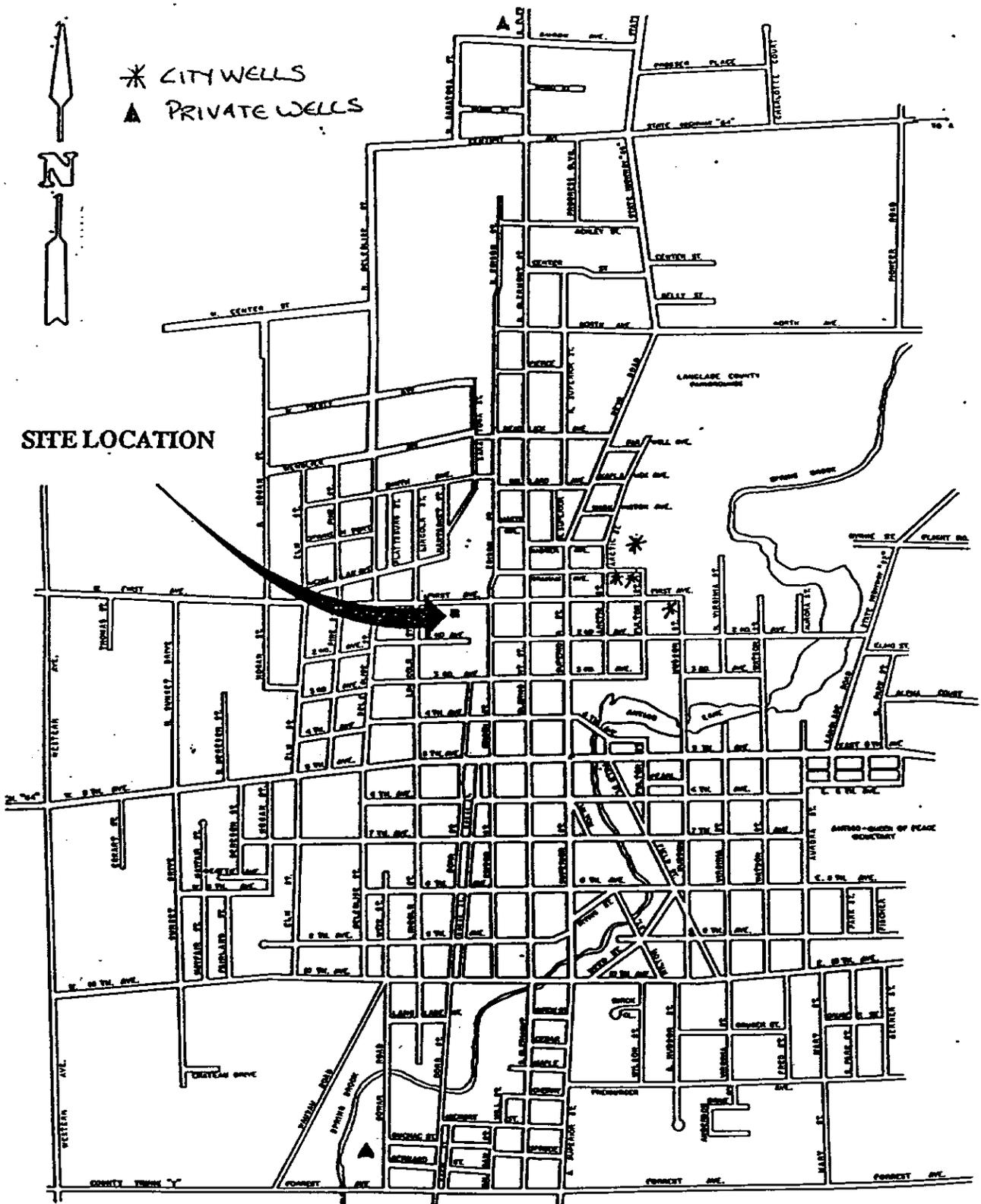
Mike Payant
City of Antigo
700 Edison St
Antigo, WI 54409

John Hunt
Coleman Engineering Co
635 Circle Dr
Iron Mountain, MI 49801

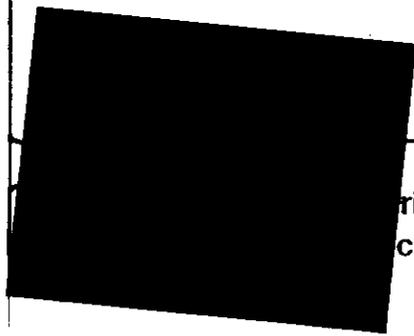


* CITY WELLS
 ▲ PRIVATE WELLS

SITE LOCATION



**SITE LOCATION DRAWING
 AND WATER WELL LOCATIONS
 CITY OF ANTIGO
 ROUNDHOUSE SITE**



ing Company
 chigan 49801

JOB NO. E 91133 J1
 DATE: DEC 1996

FIGURE 2-2

X

Table 2-2
Groundwater Analytical Summary Table
City of Antigo - Roundhouse Site
Antigo, Wisconsin

(Groundwater Concentration in ug/L unless otherwise noted)

| Chemical | Benzene | Ethylbenzen | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylene | GRO (mg/D) | DRO (mg/D) |
|----------|---------|-------------|------|-------------|---------|--------------|-----------|--------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 480 Combined | 124 | -- | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | -- |
| MW-1 | | | | | | | | | | |
| 9/30/93 | ND | ND | - | ND | ND | ND | ND | - | <.02 | <.1 |
| 12/7/93 | ND | ND | - | ND | ND | ND | ND | - | <.02 | <.1 |
| 2/23/94 | ND | ND | ND | ND | ND | ND | ND | ND | <.05 | <.044 |
| 6/2/94 | ND | ND | ND | ND | ND | ND | ND | ND | <.05 | <.029 |
| 9/6/94 | ND | ND | ND | ND | ND | ND | ND | ND | <.05 | 0.612 |
| 10/3/94 | - | - | - | - | - | - | - | - | - | - |
| 12/22/94 | ND | ND | ND | ND | ND | ND | ND | ND | <.05 | <.029 |
| 3/1/95 | ND | ND | ND | ND | ND | ND | ND | ND | <.028 | <.077 |
| 5/31/95 | ND | ND | ND | ND | ND | ND | ND | ND | <.028 | 0.249 |
| 9/12/95 | ND | ND | ND | ND | ND | ND | ND | ND | <.018 | 0.25 |
| 12/4/95 | ND | ND | ND | ND | ND | ND | ND | ND | <.028 | 0.06 |
| 9/18/96 | ND | ND | ND | ND | ND | ND | ND | ND | <.018 | 0.693 |
| 12/11/96 | ND | ND | ND | ND | ND | ND | ND | ND | <.018 | 0.321 |
| 7/14/97 | ND | ND | ND | - | ND | ND | ND | ND | -- | -- |
| 12/5/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/8/98 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |



COLEMAN ENGINEERING COMPANY
CONSULTING ENGINEERS & LAND SURVEYORS
IRON MOUNTAIN, MICHIGAN

1" = 100'

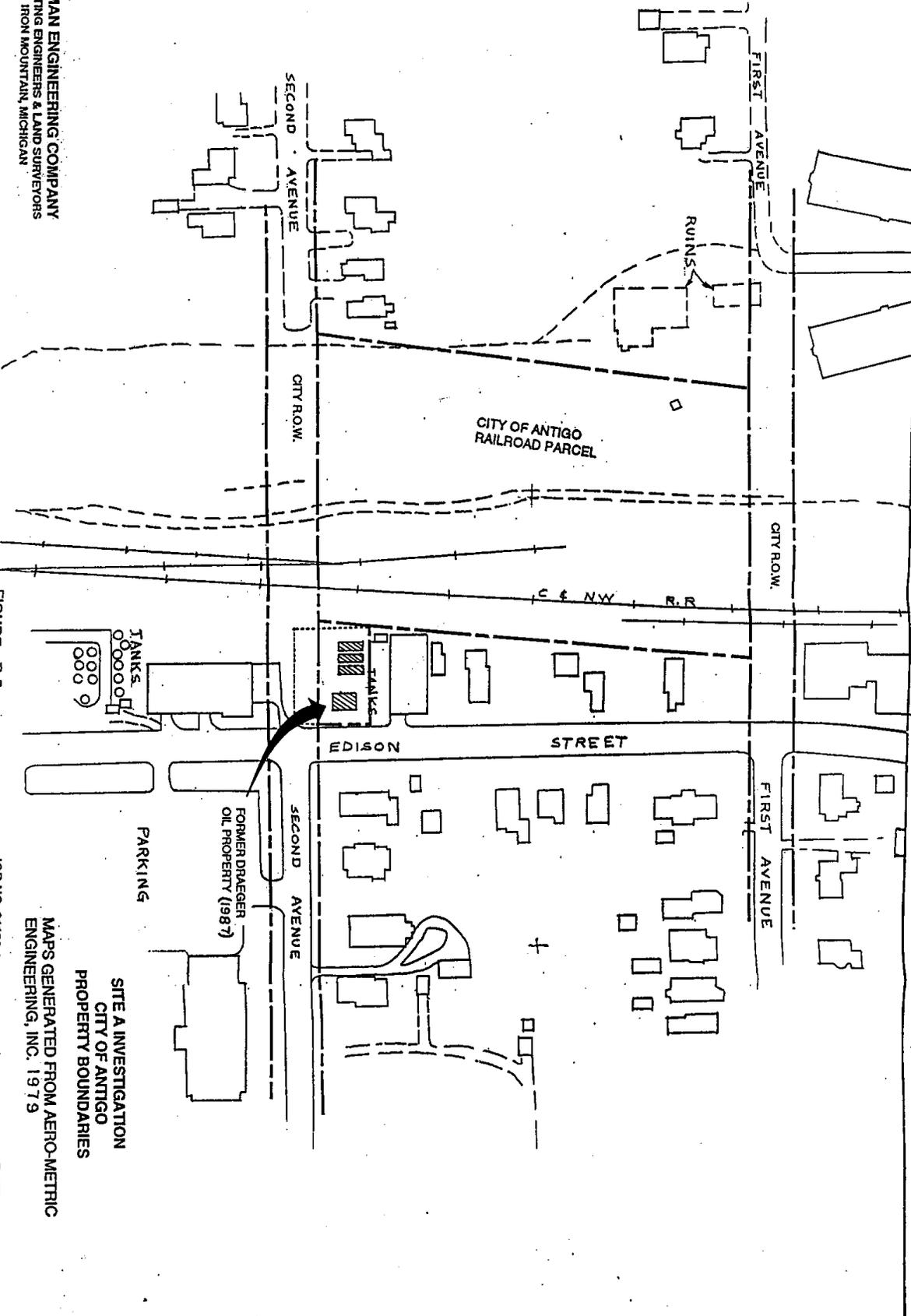
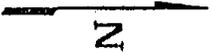


FIGURE 3-3

JOB NO. 91133 A

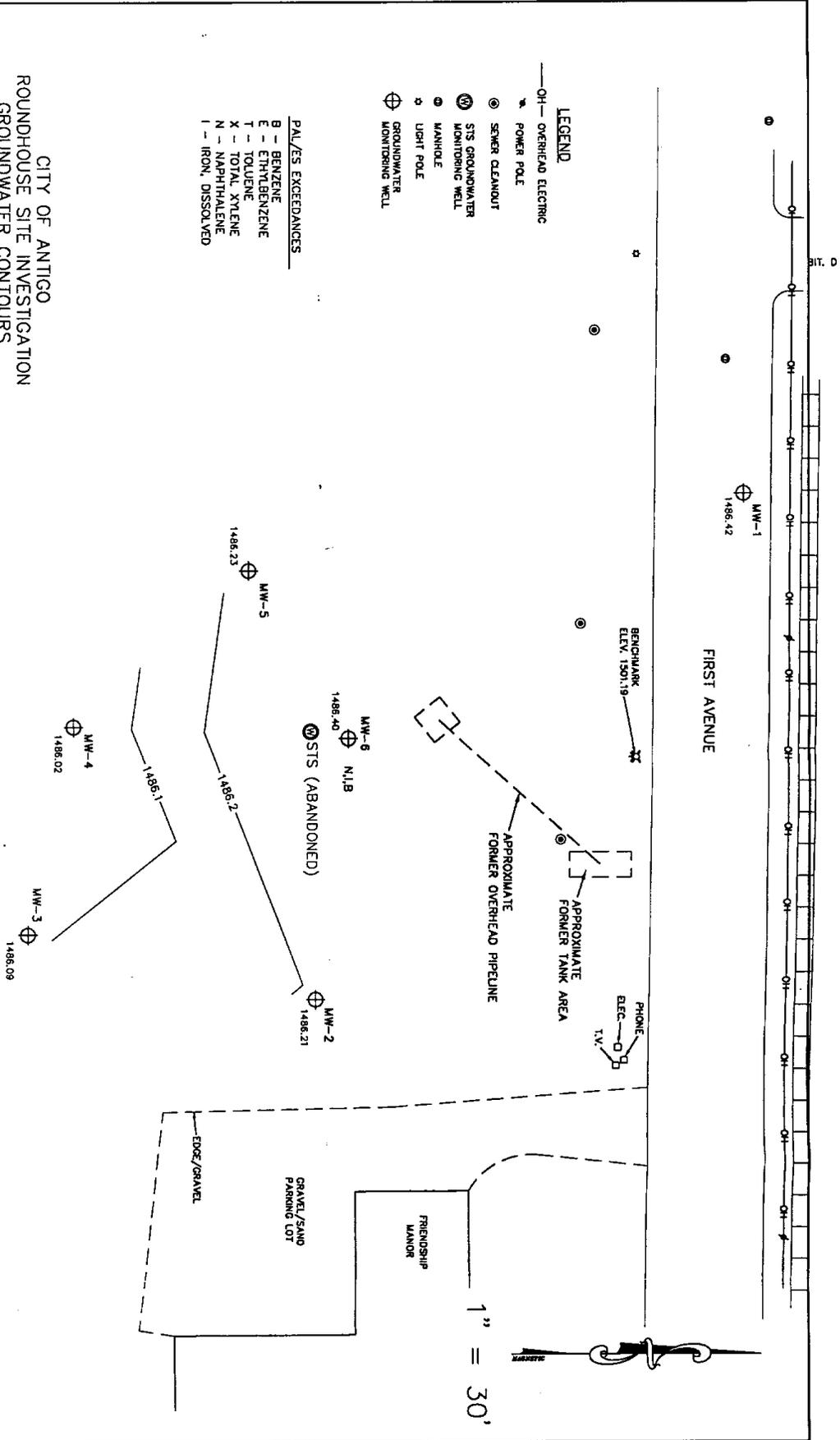
DATE: APRIL 1993

SITE A INVESTIGATION
CITY OF ANTIGO
PROPERTY BOUNDARIES
MAPS GENERATED FROM AERO-METRIC
ENGINEERING, INC. 1979



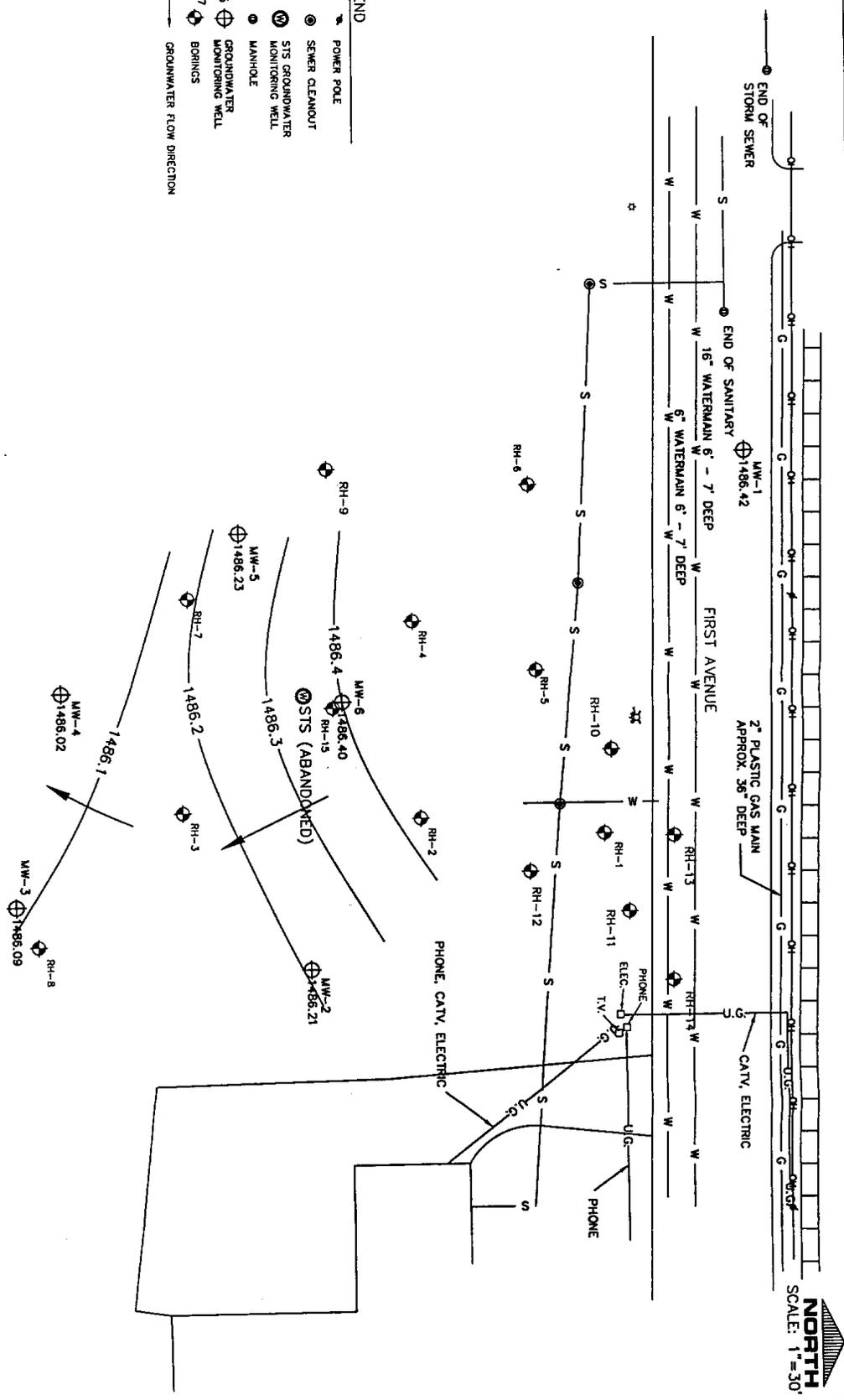
COLEMAN ENGINEERING COMPANY
OF IRON MOUNTAIN
CONSULTING ENGINEERS & LAND SURVEYORS
IRON MOUNTAIN, MICHIGAN

CITY OF ANTIGO
ROUNDHOUSE SITE INVESTIGATION
GROUNDWATER CONTOURS
AND NR 140 PAL/ES STANDARD EXCEEDANCES FOR JUNE 8, 1998



JOB NO. 91133 J4
DATE: JAN 98
CAD FILE 91133BMC

- LEGEND**
- ⊙ POWER POLE
 - ⊙ SEWER CLEANOUT
 - ⊙ STS GROUNDWATER MONITORING WELL
 - ⊙ MANHOLE
 - ⊙ GROUNDWATER MONITORING WELL
 - ⊙ RH-7 BORINGS
 - GROUNDWATER FLOW DIRECTION



CITY OF ANTIGO
 ROUNDHOUSE SITE
 GROUNDWATER CONTOURS JUNE 8, 1998
 FIGURE 2-4



COLEMAN ENGINEERING COMPANY
 635 CIRCLE DRIVE
 IRON MOUNTAIN, MICHIGAN 49801
 DATE 3/15/00
 JOB NO 91133
 CADD FILE 91133-02-04

CITY OF ANTIGO
 ROUNDHOUSE SITE CLOSURE
 ESTIMATED HORIZONTAL EXTENT OF IMPACT
 FROM MARCH 94 SITE INVESTIGATION REPORT

- LEGEND**
- ⊕ STS GROUNDWATER MONITORING WELL
 - ⊕ GROUNDWATER MONITORING WELL
 - ⊕ BORINGS
 - ⊕ MANHOLE
 - ⊕ SEWER CLEAN OUT
 - ⊕ UTILITY POLE

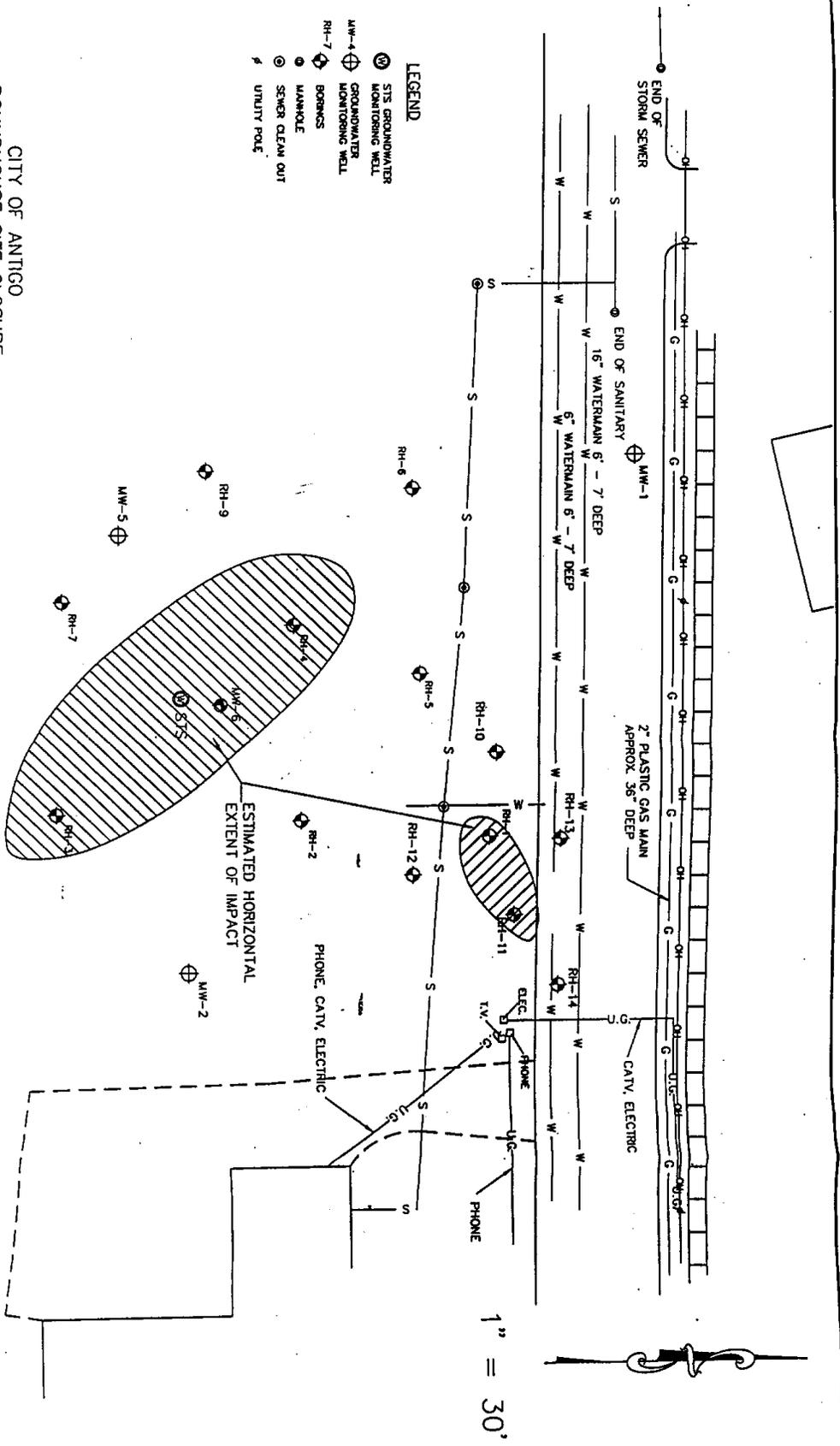


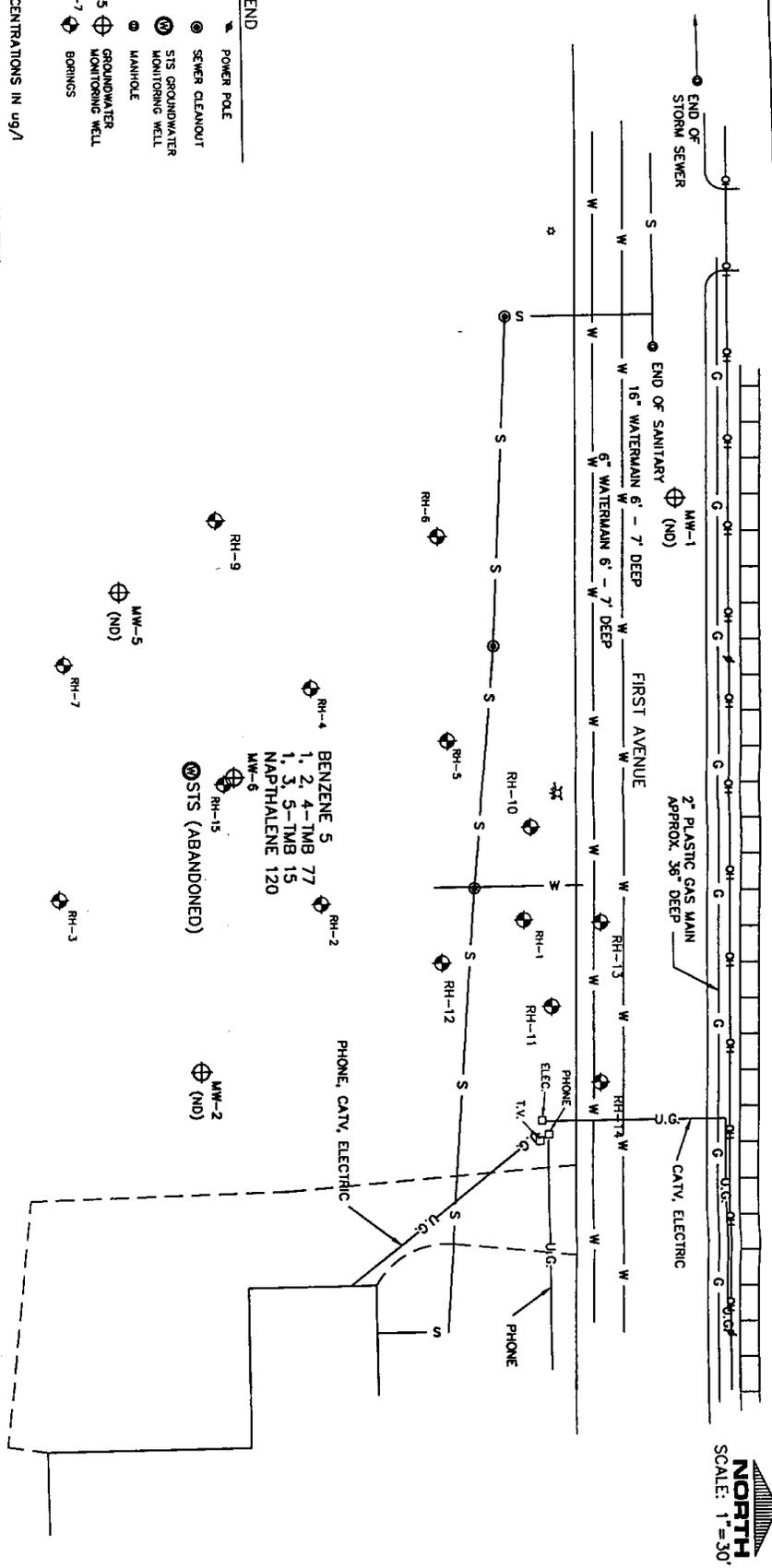
FIGURE 2-3

LEGEND

- ▲ POWER POLE
- ⊙ SEWER CLEANOUT
- ⊕ STS GROUNDWATER MONITORING WELL
- ⊙ MANHOLE
- ⊕ MW-5 GROUNDWATER MONITORING WELL
- ⊕ RH-7 BORINGS

CONCENTRATIONS IN ug/l

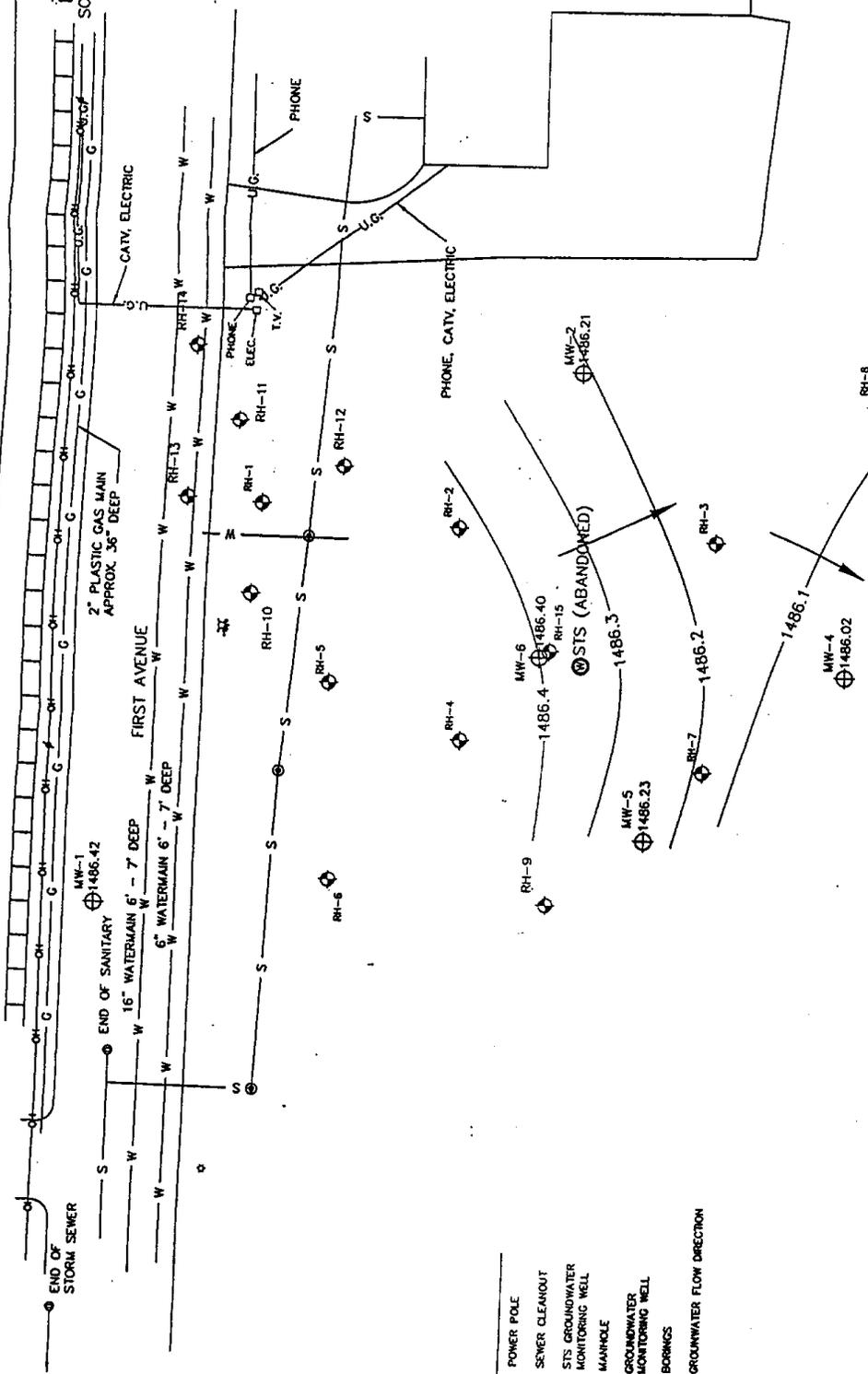
1, 2, 4-TMB-1, 2, 4 TRIMETHYLBENZENE
 1, 3, 5-TMB-1, 3, 5 TRIMETHYLBENZENE
 (NO) ALL ANALYZED GROUNDWATER CONTAMINANTS NON-DETECT AT THIS LOCATION



CITY OF ANTIGO
 ROUNDHOUSE SITE
 GROUNDWATER PAL/ES EXCEEDANCES JUNE 8, 1998
 FIGURE 2-5

 COLEMAN ENGINEERING COMPANY
 635 CIRCLE DRIVE
 IRON MOUNTAIN, MICHIGAN 49801
 DATE 3/15/00
 JOB NO 91133
 CADD FILE 91133-J2-05

NORTH
SCALE: 1" = 30'



- LEGEND**
- POWER POLE
 - ⊙ SEWER CLEANOUT
 - ⊕ STS GROUNDWATER MONITORING WELL
 - ⊙ MANHOLE
 - ⊕ MW-5 GROUNDWATER MONITORING WELL
 - ⊕ RH-7 BORINGS
 - GROUNDWATER FLOW DIRECTION

EXHIBIT A
CITY OF ANTIGO
ROUNDHOUSE SITE
GROUNDWATER CONTOURS JUNE 8, 1998

CE
 COLEMAN ENGINEERING COMPANY
 635 CIRCLE DRIVE
 IRON MOUNTAIN, MICHIGAN 49801
 DATE 3/19/00
 JOB NO 91133

Table 2-2
Groundwater Analytical Summary Table
City of Antigo - Roundhouse Site
Antigo, Wisconsin

(Groundwater Concentration in ug/L unless otherwise noted)

| Chemical | Benzene | Ethylbenzen | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/l) | DRO (mg/l) |
|----------|---------|-------------|------|-------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 1,3,5-TMB | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | -- |
| MW-2 | | | | | | | | | | |
| 9/30/93 | ND | ND | - | ND | ND | ND | ND | - | <0.02 | <0.1 |
| 12/7/93 | ND | ND | - | ND | ND | ND | ND | - | <0.02 | <.1 |
| 2/23/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | <0.044 |
| 6/2/94 | ND | ND | ND | - | ND | ND | ND | ND | <0.05 | 0.05 |
| 9/6/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.355 |
| 10/3/94 | - | - | - | - | - | - | - | - | - | - |
| 12/22/94 | ND | ND | ND | - | ND | ND | ND | ND | <0.05 | 0.362 |
| 3/1/95 | ND | ND | ND | - | 1 | ND | ND | ND | <0.028 | 0.219 |
| 5/31/95 | ND | ND | ND | - | ND | ND | ND | ND | <0.028 | 0.207 |
| 9/12/95 | ND | ND | ND | - | ND | ND | ND | ND | <0.018 | 0.12 |
| 12/4/95 | ND | ND | ND | - | ND | ND | ND | ND | <0.028 | 0.069 |
| 9/18/96 | ND | ND | ND | - | ND | ND | ND | ND | <0.018 | 0.066 |
| 12/11/96 | ND | ND | ND | - | ND | ND | ND | ND | <0.018 | 0.104 |
| 7/14/97 | ND | ND | ND | - | ND | ND | ND | ND | - | - |
| 12/5/97 | - | - | - | - | - | - | - | - | - | - |
| 6/8/98 | ND | ND | ND | ND | ND | ND | ND | ND | - | - |

Table 2-2
Groundwater Analytical Summary Table
City of Antigo - Roundhouse Site
Antigo, Wisconsin

(Groundwater Concentration in ug/L unless otherwise noted)

| Chemical | Benzene | Ethylbenzen | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/l) | DRO (mg/l) |
|----------|---------|-------------|------|-------------|---------|-------------|--------------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 480 Combined | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | | | 620 | -- | -- |
| MW-3 | | | | | | | | | | |
| 9/30/93 | ND | ND | -- | ND | ND | ND | ND | -- | <.02 | 0.14 |
| 12/7/93 | ND | ND | -- | ND | 1.5 | ND | ND | -- | <.02 | 0.18 |
| 2/23/94 | ND | ND | ND | ND | ND | ND | ND | ND | <.05 | <.044 |
| 6/2/94 | ND | ND | ND | -- | ND | ND | ND | ND | <.05 | 0.073 |
| 9/6/94 | ND | ND | ND | ND | ND | ND | ND | ND | <.05 | 0.756 |
| 10/3/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/22/94 | ND | ND | ND | -- | ND | ND | ND | ND | <.05 | <.029 |
| 3/1/95 | ND | ND | ND | -- | ND | ND | ND | ND | <.028 | 0.555 |
| 5/31/95 | ND | ND | ND | -- | ND | ND | ND | ND | <.028 | 0.133 |
| 9/12/95 | ND | ND | ND | -- | ND | ND | ND | ND | <.018 | 0.318 |
| 12/4/95 | ND | ND | ND | -- | ND | ND | ND | ND | <.028 | 0.145 |
| 9/18/96 | ND | ND | ND | -- | ND | ND | ND | ND | <.018 | 0.054 |
| 12/11/96 | ND | ND | ND | -- | ND | ND | ND | ND | <.018 | 0.166 |
| 7/14/97 | ND | ND | ND | -- | ND | ND | ND | ND | -- | -- |
| 12/5/97 | ND | ND | ND | -- | ND | ND | ND | ND | -- | -- |
| 6/8/98 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |

Table 2-2
Groundwater Analytical Summary Table
City of Antigo - Roundhouse Site
Antigo, Wisconsin

(Groundwater Concentration in ug/L unless otherwise noted)

| Chemical | Benzene | Ethylbenzen | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/l) | DRO (mg/l) |
|----------|---------|-------------|------|-------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 124 | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | 620 | -- | -- |
| MW-4 | | | | | | | | | | |
| 9/30/93 | ND | ND | -- | -- | ND | ND | ND | -- | <0.02 | <0.1 |
| 12/7/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <1 |
| 2/23/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | <0.044 |
| 6/2/94 | ND | ND | ND | -- | ND | ND | ND | ND | <0.05 | 0.105 |
| 9/6/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.58 |
| 10/3/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/22/94 | ND | ND | ND | -- | ND | ND | ND | ND | <0.05 | <0.028 |
| 3/1/95 | ND | ND | ND | -- | ND | ND | ND | ND | <0.028 | 0.238 |
| 5/31/95 | ND | ND | ND | -- | ND | ND | ND | ND | <0.028 | 0.234 |
| 9/12/95 | ND | ND | ND | -- | ND | ND | ND | ND | <0.018 | 0.254 |
| 12/4/95 | ND | ND | ND | -- | ND | ND | ND | ND | <0.028 | 0.079 |
| 9/18/96 | ND | ND | ND | -- | ND | ND | ND | ND | <0.018 | 0.05 |
| 12/11/96 | ND | ND | ND | -- | ND | ND | ND | ND | <0.018 | 0.266 |
| 7/14/97 | ND | ND | ND | -- | ND | ND | ND | ND | -- | -- |
| 12/5/97 | ND | ND | ND | -- | ND | ND | ND | ND | -- | -- |
| 6/8/98 | ND | ND | ND | ND | 0.16 | ND | ND | ND | -- | -- |

Table 2-2
Groundwater Analytical Summary Table
City of Antigo - Roundhouse Site
Antigo, Wisconsin

(Groundwater Concentration in ug/L unless otherwise noted)

| Chemical | Benzene | Ethylbenzen | MTBE | Napthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/l) | DRO (mg/l) |
|----------|---------|-------------|------|------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 124 | -- | -- | |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | |
| MW-5 | | | | | | | | | | |
| 9/30/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/7/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 2/23/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/2/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/6/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 10/3/94 | ND | ND | ND | ND | ND | ND | -- | <0.05 | 0.323 | |
| 12/22/94 | ND | ND | ND | -- | ND | ND | ND | <0.05 | 0.048 | |
| 3/1/95 | ND | ND | ND | -- | ND | ND | ND | <0.028 | 0.123 | |
| 5/31/95 | ND | ND | ND | -- | ND | ND | ND | 0.023 | 0.385 | |
| 9/12/95 | ND | ND | ND | -- | ND | ND | ND | <0.018 | 0.172 | |
| 12/4/95 | ND | ND | ND | -- | ND | ND | ND | <0.028 | 0.077 | |
| 9/18/96 | ND | ND | ND | -- | ND | ND | ND | <0.018 | 0.048 | |
| 12/11/96 | ND | ND | ND | -- | ND | ND | ND | <0.018 | 0.065 | |
| 7/14/97 | ND | ND | ND | -- | ND | ND | ND | -- | -- | |
| 12/5/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/8/98 | ND | ND | ND | ND | ND | ND | ND | -- | -- | |

Table 2-2
Groundwater Analytical Summary Table
City of Antigo - Roundhouse Site
Antigo, Wisconsin

(Groundwater Concentration in ug/L unless otherwise noted)

| Chemical | Benzene | Ethylbenzen | MTBE | Napthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/l) | DRO (mg/l) |
|----------|---------|-------------|---------|------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 124 | -- | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | -- |
| STS-W | | | | | | | | | | |
| 9/30/93 | 38 | 48 | -- | 30 | <5.0 | 170 | 58 | -- | 1.6 | 47 |
| 12/7/93 | 24 | 41 | -- | 76 | 3.6 | 120 | 38 | -- | 1.3 | 42 |
| 2/23/94 | 38 | 44 | <27 | 103 | 11 | 150 | 84 | 138 | 5.29 | 18.2 |
| 6/2/94 | 13 | 21 | <6.8 | 63* | 3.5 | 80 | 22 | 56 | 1.21 | 29.9 |
| 9/6/94 | 21 | 48 | <27 | 69* | <6.0 | 198 | 78 | 102 | 0.998 | 42.9 |
| 10/3/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/22/94 | 24 | 33 | ND | 83* | 1.1 | 102 | 41 | 82 | 3.1 | 31.4 |
| 3/1/95 | 22 | 27 | ND | 121* | ND | 83 | 22 | 80 | 10.8 | 59.5 |
| 5/31/95 | 20 | 26 | ND | 64* | 1.6 | 104 | 24 | 84 | 19.6 | 30.2 |
| 9/12/95 | 17 | 28 | <2.3 | 104* | <3.7 | 117 | 38 | 89 | 5.89 | 110 |
| 12/4/95 | ABANDON | ABANDON | ABANDON | ABANDON | ABANDON | ABANDON | ABANDON | ABANDON | ABANDON | ABANDON |
| 9/18/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/11/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/14/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/5/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/8/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 2-2
Groundwater Analytical Summary Table
City of Antigo - Roundhouse Site
Antigo, Wisconsin**

(Groundwater Concentration in ug/L unless otherwise noted)

| Chemical | Benzene | Ethylbenzen | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/l) | DRO (mg/l) |
|----------|---------|-------------|--------|-------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 124 | -- | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | -- |
| MTV-5 | | | | | | | | | | |
| 9/30/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/7/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/23/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/2/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/6/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/3/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/22/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/1/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/31/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/12/95 | -- | -- | ND | -- | -- | -- | -- | -- | -- | -- |
| 12/4/95 | -- | -- | <9.2 | -- | -- | -- | -- | -- | -- | -- |
| 9/18/96 | 18 | 29 | ND | 94* | 2 | 78 | 28 | 34 | 0.926 | 25.4 |
| 12/1/96 | 139 | 24 | ND | 153* | 51 | 131 | 357 | 355 | 8.11 | -- |
| 7/14/97 | 3 | 7 | ND | 28 | ND | 25 | 9 | 11 | -- | -- |
| 12/5/97 | 4 | 14 | -- | 94 | ND | 51 | 12 | 9 | -- | -- |
| 6/8/98 | 5 | 27 | -- | 120 | 1 | 77 | 15 | 22 | -- | -- |
| 3/30/99 | 13 | 44 | <0.068 | 200 | 1 | 85 | 14 | 27 | -- | -- |
| 2/30/00 | 4.3 | 14 | <0.92 | 78 | 1.3 | 31 | 3.6 | 13 | -- | -- |

Notes:
 -- Not sampled
 ND- Indicates groundwater concentration was below method detection limit.
 1,2,4-TMB - 1,2,4- Trimethylbenzene GRO- Gasoline Range Organics
 1,3,5-TMB - 1,3,5- Trimethylbenzene PAL - Preventative Action Limit
 MTBE- Methyl-tertiary butyl ether ES- Enforcement Standard
 DRO- Diesel Range Organics

MANN-KENDALL STATISTICAL TEST TO DETERMINE CONTAMINANT CONCENTRATION STABILITY/DECREASING TREND FOR MW-6
 City of Antigo - Roundhouse Site
 Antigo, Wisconsin

Mann-Kendall Analysis Spreadsheet, Wisconsin DNR Remediation and Redevelopment Program

This spreadsheet is used to test for increasing, decreasing or stable trends, based on the Mann-Kendall statistical test. Refer to guidance titled *Interim Guidance on Natural Attenuation for Petroleum Releases* dated October 1999 for more information.

Spreadsheet version 1.0 prepared by George Mickelson, June 9, 1999. Spreadsheet QA/QC check by Resty Pelayo, June and July 1999.

Site Name = City of Antigo-Roundhouse Antigo Wisconsin BRRTS No. = 03-34-00354 Well Number = MW-6

| Event Number | Compound | Sampling Date (most recent last) | Benzene Concentration (leave blank if no data) | Ethylbenzene Concentration (leave blank if no data) | Napthalene Concentration (leave blank if no data) | 1,2,4-TMB Concentration (leave blank if no data) | 1,3,5-TMB Concentration (leave blank if no data) | Total Xylenes Concentration (leave blank if no data) |
|--|----------|----------------------------------|--|---|---|--|--|--|
| 1 | | 18-Sep-96 | 14.00 | | 94.00 | 78.00 | 28.00 | |
| 2 | | 11-Dec-96 | 139.00 | 24.00 | 153.00 | 131.00 | 357.00 | |
| 3 | | 14-Jul-97 | 3.00 | 7.00 | 28.00 | 25.00 | 9.00 | 11.00 |
| 4 | | 05-Dec-97 | 4.00 | 14.00 | 94.00 | 51.00 | 12.00 | 9.00 |
| 5 | | 08-Jun-98 | 5.00 | 27.00 | 120.00 | 77.00 | 15.00 | 22.00 |
| 6 | | 30-Mar-99 | 13.00 | 44.00 | 200.00 | 85.00 | 14.00 | 27.00 |
| 7 | | 25-Jan-00 | 4.30 | 14.00 | 78.00 | 31.00 | 3.60 | 13.00 |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| S = | | | -3 | 4 | 2 | -3 | -9 | 4 |
| n = | | | 7 | 6 | 7 | 7 | 7 | 5 |
| Average = | | | 26.04285714 | 21.66666667 | 109.5714286 | 68.28571429 | 62.65714286 | 16.4 |
| St. Dev. = | | | 50.01146059 | 13.15548048 | 55.23844417 | 36.39008237 | 130.0067544 | 7.733045972 |
| CV = | | | 1.920352299 | 0.607176022 | 0.504131824 | 0.532909156 | 2.074891201 | 0.471527193 |
| Increasing Trend (80% Confidence) | | | NO | NO | NO | NO | NO | NO |
| Decreasing Trend (80% Confidence) | | | NO | NO | NO | NO | NO | NO |
| Undetermined Stable Trend, CV <= 1 | | | NO | YES | YES | YES | NO | YES |
| Undetermined Non-Stable Trend, CV > 1 | | | YES | NO | NO | NO | NO | NO |
| Error Check, OK if Blank | | | | | | | | |
| Stable or Decreasing Trend at 80% Confidence Level | | | NO | YES | YES | YES | YES | YES |
| Data Entry By = HLR | | | | Date = 1 | 29-Feb-00 | Checked By = JFG | | |

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

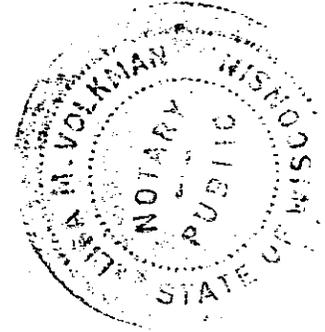
By signing this document, Miles R. Stanke asserts that he/she is duly authorized to sign this document on behalf of City of Antigo.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 19th day of July, 2001.

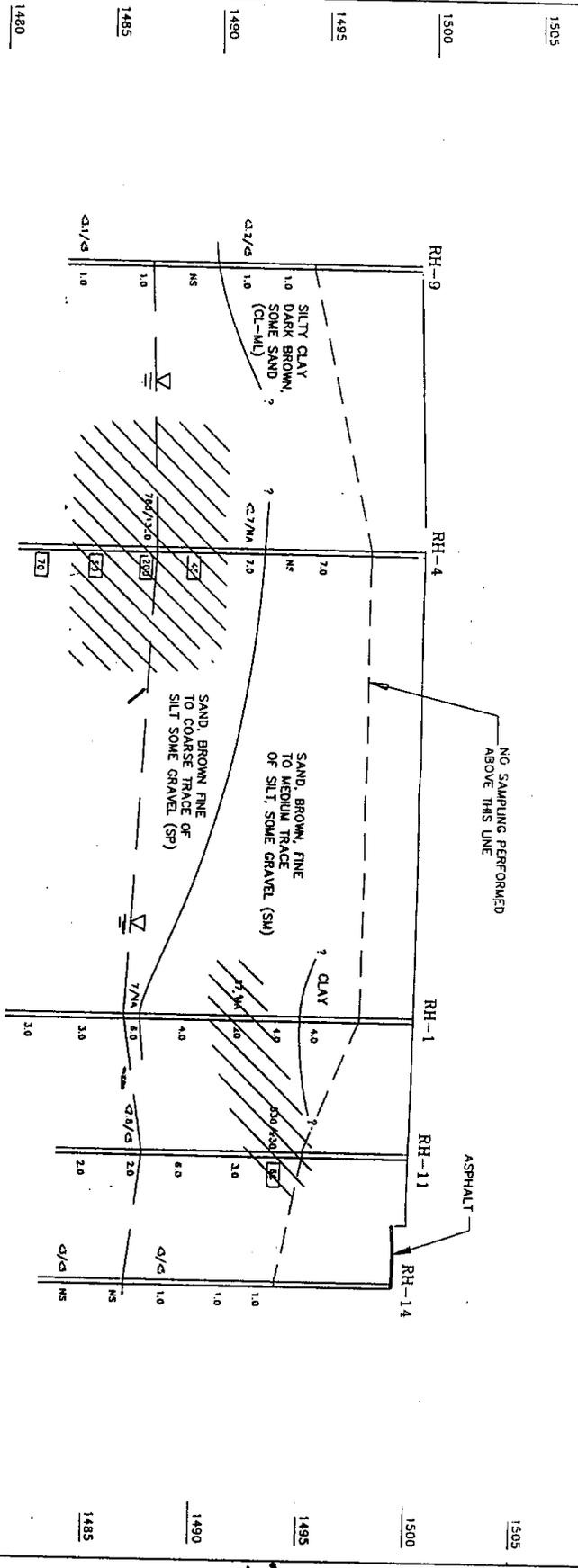
Signature: [Handwritten Signature]
Printed Name: Miles R. Stanke
Title: Mayor

Subscribed and sworn to before me
This 19th day of July, 2001.

[Handwritten Signature]
Notary Public, State of Wisconsin
My Commission expires September 7, 2003

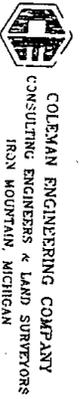


This document was drafted by Coleman Engineering Company based on comments from the Wisconsin Department of Natural Resources.



HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 5'

CITY OF ANTIGO
 ROUNDHOUSE SITE
 VERTICAL EXTENT OF IMPACT
 LOOKING NORTHEAST



ELEVATIONS ARE REFERENCED TO USGS.
 THIS CROSS SECTION APPROXIMATES ACTUAL CONDITIONS BETWEEN BORINGS AND MONITORING WELLS. HEADSPACE SAMPLE RESULTS ARE SHOWN ON THE RIGHT SIDE OF BORINGS/WELLS. LABORATORY RESULTS ARE SHOWN ON THE LEFT WITH GRO AND DRO SHOWN RESPECTIVELY. □ INDICATES SAMPLES HAVING ELEVATED HEADSPACE READINGS
 ESTIMATED VERTICAL EXTENT OF IMPACT

EXHIBIT B
Floor Soil Sample Closure Results - Large Excavation
City of Antigo - Roundhouse Site

| Sample I.D. | CF-1 | CF-2 | CF-3 | CF-4 | CF-5 | CF-6 | CF-7 | CF-8 | CF-9 | CF-10 | CF-11 | CF-12 | NR 720 RCL | |
|--------------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|------------|--|
| Date | 6-27-96 | 6-27-96 | 7-22-96 | 7-22-96 | 7-17-96 | 7-16-96 | 7-17-96 | 7-17-96 | 7-17-96 | 7-17-96 | 7-17-96 | 7-22-96 | 7-22-96 | |
| Depth | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| DRO mg/kg | <1.9 | <2.1 | <1.7 | <1.7 | <1.7 | 3010/990 | 205/235 | <2.1 | 182/182 | <1.9 | <1.8 | <1.7 | 100 | |
| GRO mg/kg | <0.9 | <0.9 | 6.8 | 3.1 | <0.9 | 100 | 23 | <0.9 | 22 | <0.9 | 1.2 | 1.4 | 100 | |
| PVOC µg/kg | | | | | | | | | | | | | 100 | |
| Benzene | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 5.5 | |
| Toluene | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 1500 | |
| Ethylbenzene | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 2900 | |
| Total Xylene | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 4100 | |
| MTBE | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NS | |
| 1,2,4-TMB | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NS | |
| 1,3,5-TMB | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NS | |

Depth - Below ground surface in feet
 NR 720 RCL - WAC Chapter NR 720 Residual Contaminant Level
 NS - No Standard
 Results that are shaded are an exceedance of the RCL

Sidewall Soil Sample Closure Results - Large Excavation
City of Antigo - Roundhouse Site

| Sample I.D. | CSW-1 | CSW-2 | CSW-3 | CSW-4 | CSW-5 | CSW-6 | CSW-7 | CSW-8 | CSW-9 | CSW-10 | CSW-11 | CSW-12* | CSW-13 | CSW-14 | CSW-15 | NR 720 RCL |
|--------------|---------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|---------|--------|--------|--------|------------|
| 6-26-96 | 6-26-96 | 7-2-96 | 7-2-96 | 7-2-96 | 7-17-96 | 7-17-96 | 7-2-96 | 7-2-96 | 7-2-96 | 7-2-96 | 7-2-96 | 7-8-96 | 7-8-96 | 7-8-96 | 7-8-96 | |
| h | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| mg/kg | <1.8 | <2.1 | <1.8 | <1.8 | <1.8 | <1.7 | <1.6 | <1.7 | <1.8 | 2.6 | <1.8 | 426/455 | <1.6 | <1.7 | 9.9 | 100 |
| µg/kg | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | 3.4 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | 100 |
| Benzene | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 5.5 |
| Toluene | <25 | <25 | <25 | <25 | <25 | 89 | <25 | <25 | <25 | <25 | <25 | <25 | 113 | <25 | <25 | 1500 |
| Ethylbenzene | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 2900 |
| Total Xylene | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 4100 |
| TBE | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NA |
| 1,2,4-TMB | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NA |
| 1,3,5-TMB | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NA |

1 - Below ground surface in feet
 20 RCL - WAC Chapter NR 720 Residual Contaminant Level
 No Standard
 This area was re-excavated and treated after sampling. See CSW-5 and CSW-6 for resample results after further excavation
 * Results that are shaded are an exceedance of the RCL

EXHIBIT B

Floor Soil Samples Closure Results - Northerly Excavation City of Antigo - Roundhouse Site

| Sample I.D. | CF-13 | CF-14 | CF-15 | CF-16 | NR 720 RCL |
|--------------|---------|---------|---------|---------|------------|
| Date | 7-12-96 | 7-12-96 | 7-15-96 | 7-15-96 | |
| Depth | 5' | 10' | 10' | 10' | |
| DRO mg/kg | 36 | 2.2 | 17 | 2.1 | 100 |
| GRO mg/kg | <0.9 | <0.9 | <0.9 | <0.9 | 100 |
| PVOC µg/kg | | | | | |
| Benzene | <25 | <25 | <25 | <25 | 5.5 |
| Toluene | <25 | 111 | <25 | <25 | 1500 |
| Ethylbenzene | <25 | <25 | <25 | <25 | 2900 |
| Total Xylene | <25 | <25 | <25 | <25 | 4100 |
| MTBE | <25 | <25 | <25 | <25 | NS |
| 1,2,4-TMB | <25 | <25 | <25 | <25 | NS |
| 1,3,5-TMB | <25 | <25 | <25 | <25 | NS |

Depth - Below ground surface in feet

NR 720 RCL - WAC Chapter NR 720 Residual Contaminant Level

NS - No Standard

Sidewall Soil Sample Closure Results - Northerly Excavation City of Antigo - Roundhouse Site

| Sample I.D. | CSW-16 | CSW-17 | CSW-18 | CSW-19 | CSW-20 | CSW-21 | CSW-22 | CSW-23 | NR 720 RCL |
|--------------|---------|---------------|---------|-----------------|---------|---------|---------|----------------|------------|
| Date | 7-12-96 | 7-12-96 | 7-12-96 | 7-12-96 | 7-15-96 | 7-15-96 | 7-15-96 | 7-16-96 | |
| Depth | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | |
| DRO mg/kg | <1.5 | 12 | 12 | 1900 | 7.7 | <1.8 | <1.7 | 229 | 100 |
| GRO mg/kg | <0.9 | 20 | <0.9 | 158 | <0.9 | <0.9 | <0.9 | 10 | 100 |
| PVOC µg/kg | | | | | | | | | |
| Benzene | <25 | <25 | <25 | 80 | <25 | <25 | <25 | <25 | 5.5 |
| Toluene | 108 | 117 | 112 | 98 | <25 | <25 | <25 | <25 | 1500 |
| Ethylbenzene | <25 | <25 | <25 | 725 | <25 | <25 | <25 | <25 | 2900 |
| Total Xylene | <25 | <25 | <25 | 207 | <25 | <25 | <25 | <25 | 4100 |
| MTBE | <25 | <25 | <25 | <44 | <25 | <25 | <25 | <25 | NS |
| 1,2,4-TMB | <25 | <25 | <25 | 2500 | <25 | <25 | <25 | 42 | NS |
| 1,3,5-TMB | <25 | <25 | <25 | 2460 | <25 | <25 | <25 | <25 | NS |

Depth - Below ground surface in feet

NR 720 RCL - WAC Chapter NR 720 Residual Contaminant Level

NS - No Standard

Results that are shaded are an exceedance of the RCL's

MW-1

FIRST AVENUE

IMPACT 4'-7' BGS

RH-13

RH-14

RH-1

RH-11

RH-10

IMPACT 5'-7' BGS

NORTHERLY
EXCAVATION

RH-12

EXCAVATION
LIMITS

RH-6

IMPACT
13'-15' BGS

RH-5

IMPACT
14'-15' BGS

RH-4

RH-2

RH-9

IMPACT
13'-15' BGS

MW-6

LARGER EXCAVATION

MW-2

MW-5

RH-7

RH-3

LEGEND

MW-4  GROUNDWATER
MONITORING WELL

RH-7  BORINGS

21  SIDEWALL SAMPLE W/ID

16  FLOOR SAMPLE W/ID

 ESTIMATED IMPACT AREA (SEE
FIGURE 6 FOR SAMPLE EXCEEDENCE)

 ESTIMATED IMPACT AREA
14'-15' BGS (NO SAMPLES IN WATER)

MW-4

MW-3 RH-8

1" = 30'

**CITY OF ANTIGO
ROUNDHOUSE SITE INVESTIGATION
CLOSURE SOIL SAMPLE LOCATIONS
ESTIMATED REMAINING IMPACT
EXHIBIT B**

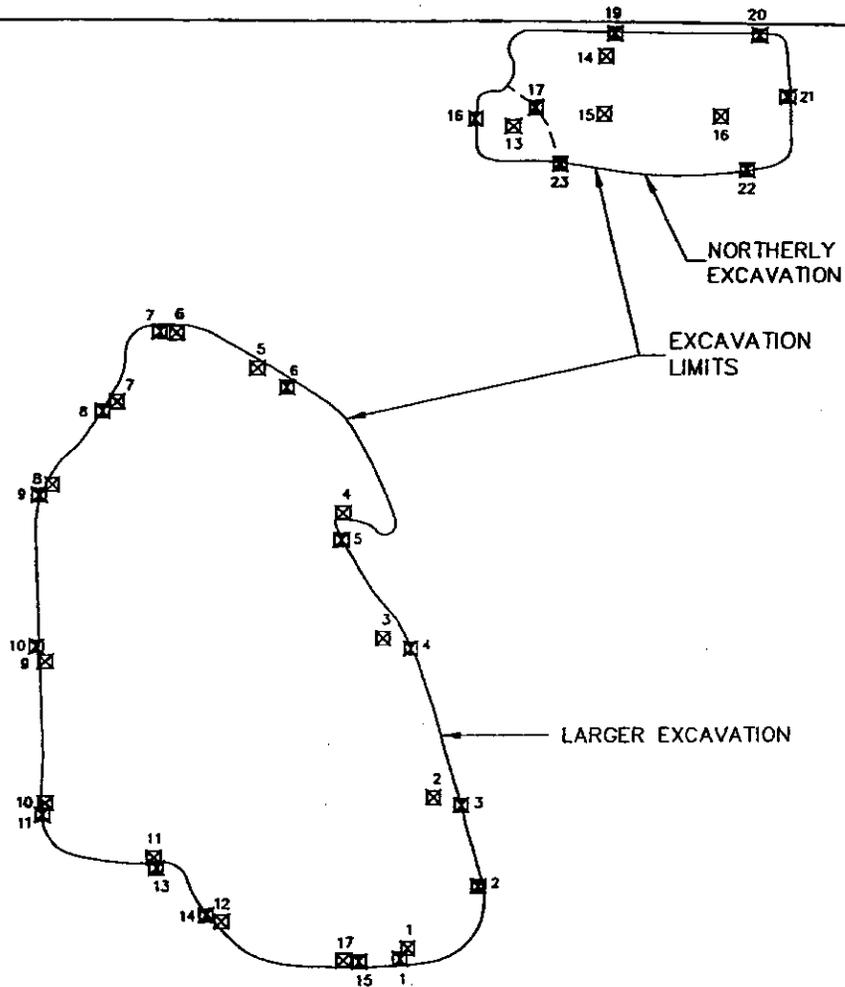


COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE
IRON MOUNTAIN, MICHIGAN 49801

FIGURE 7

DATE: JAN 97
JOB NO: 91133 J1
CAD FILE: 91133-ex8

FIRST AVENUE



LEGEND

- 21 ☒ SIDEWALL SAMPLE W/ID
- 16 ☒ FLOOR SAMPLE W/ID

**CITY OF ANTIGO
ROUNDHOUSE SITE INVESTIGATION
CLOSURE SOIL SAMPLE LOCATIONS
EXHIBIT B**



COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE
IRON MOUNTAIN, MICHIGAN 49801

DATE: JAN 97
JOB NO: 91133 J1
CAD FILE: 91133-02

FIGURE 5

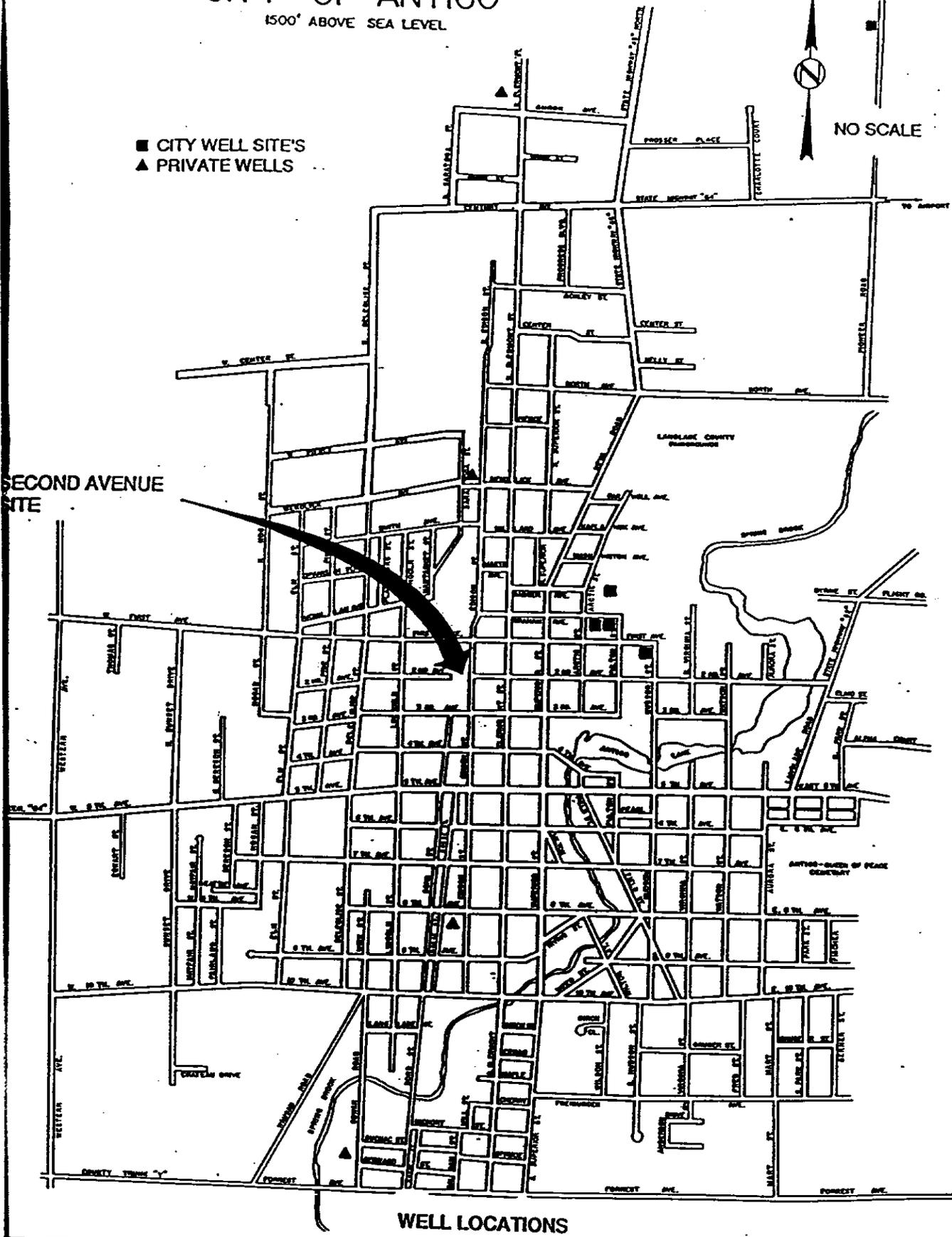
CITY OF ANTIGO

1500' ABOVE SEA LEVEL

- CITY WELL SITE'S
- ▲ PRIVATE WELLS

NO SCALE

SECOND AVENUE
SITE



WELL LOCATIONS

Coleman Engineering Company
Iron Mountain, Michigan 49801

FIGURE 3-2

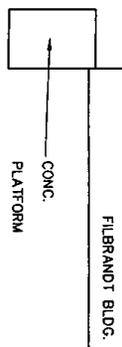
Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|------|-------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 1,3,5-TMB | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | | 620 | -- | -- |
| MW-1 | | | | | | | | | | |
| 2/25/93 | 75 | 580 | -- | 190 | 110 | 400 | 140 | -- | 7.3 | 6.1 |
| 6/1/93 | 47 | 310 | -- | -- | 66 | 390 | 120 | -- | 4.7 | 5.8 |
| 9/29/93 | 47 | 450 | -- | <150 | 87 | 570 | 220 | -- | 9.2 | 3 |
| 12/6/93 | 28 | 420 | -- | 140 | 48 | 560 | 240 | -- | 7.4 | 5.6 |
| 2/22/94 | <13 | 310 | <68 | 105 | 49 | 523 | 175 | 609 | 5.5 | 2.24 |
| 6/2/94 | 26 | 222 | ND | 134 | 45 | 254 | 66 | 385 | 3.68 | 3.09 |
| 9/7/94 | 41 | 435 | <27 | 170 | 99 | 549 | 157 | 1035 | 2.62 | 2.92 |
| 12/22/94 | <25 | 472 | <135 | 441 | 45 | 686 | 140 | 678 | 5.02 | 3.77 |
| 3/2/95 | 10 | 116 | ND | 38 | 14 | 90 | 20 | 118 | 1.35 | 1.91 |
| 6/1/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/13/95 | 2.5 | 125 | ND | 13 | 6.6 | 43 | 13 | 36 | 1.47 | 1.61 |
| 12/5/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | 7.6 | 145 | <27 | 44 | 16 | 167 | 37 | 280 | 1.88 | 2.75 |
| 9/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/18/96 | 6.4 | 420 | <1.0 | 210 | 46 | 270 | 90 | 688 | -- | -- |
| 4/1/97 | <0.4 | 260 | 24 | 130 | 28 | 250 | 110 | 440 | -- | -- |
| 7/15/97 | 7 | 430 | 3.9 | 190 | 43 | 400 | 110 | 630 | -- | -- |
| 10/21/97 | 5.2 | 490 | 8.3 | 210 | 32 | 490 | 93 | 548 | -- | -- |
| 12/4/97 | 6.1 | 540 | <2.6 | 230 | 33 | 570 | 97 | 643 | -- | -- |
| 3/26/98 | 5.8 | 330 | 4.0 | 140 | 29 | 430 | 75 | 442 | -- | -- |
| 6/12/98 | 2.4 | 360 | <1.6 | 130 | 28 | 470 | 89 | 544 | -- | -- |
| 3/30/99 | 6.1 | 420 | 6.3 | 170 | 33 | 490 | 74 | 703 | -- | -- |
| 1/25/00 | 5.5 | 218 | <2.3 | 105 | 15 | 275 | 35 | 274 | -- | -- |

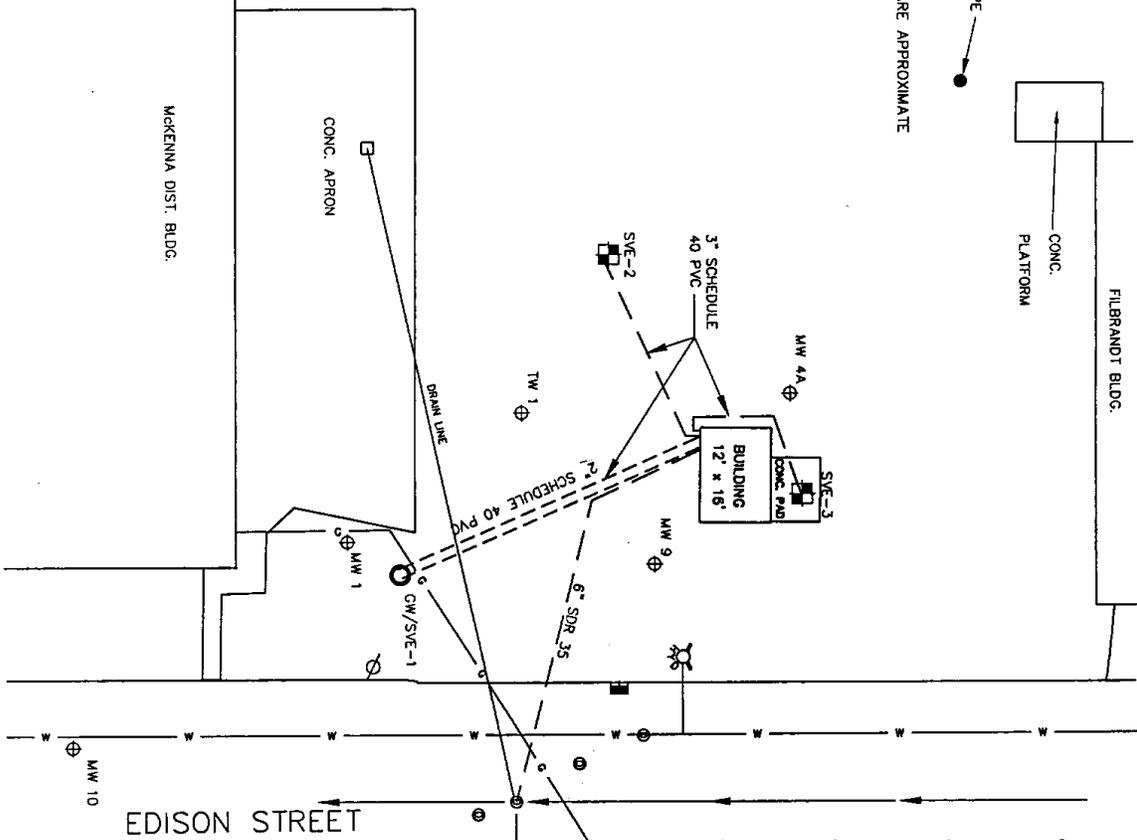
UTILITY LOCATIONS ARE APPROXIMATE

IRON PIPE



CONC. APRON

McKENNA DIST. BLDG.



EDISON STREET

SECOND AVENUE

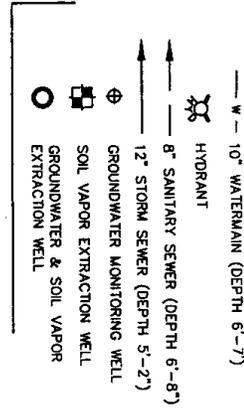
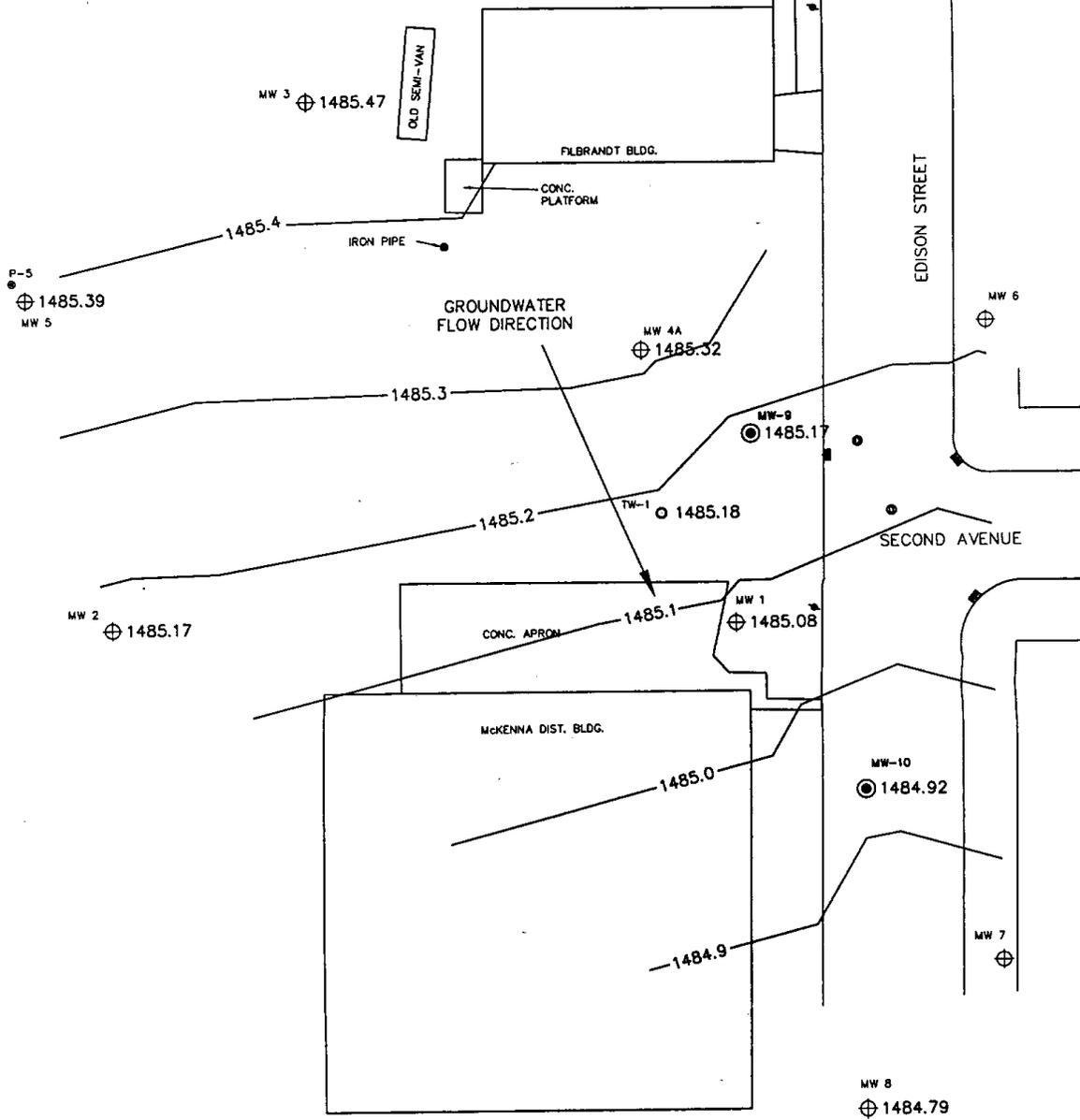


FIGURE 3-4
 CITY OF ANTIGO
 SECOND AVENUE SITE
 GROUNDWATER/SOIL VAPOR
 EXTRACTION SYSTEM PLAN MAP

| | | | | | |
|----------|-----|---------|----------|-------------|-------------|
| DRAWN BY | DJG | SCALE | 1" = 20' | DRAWING NO. | 91133-AB-SV |
| CHECKED | | DATE | 1/95 | CAD DWG | 91133-AB-SV |
| APPROVED | | JOB NO. | 91133-H6 | CAD PROJ. | |

CE COLEMAN ENGINEERING COMPANY
 CONSULTING ENGINEERS & LAND SURVEYORS
 IRON MOUNTAIN, MICHIGAN

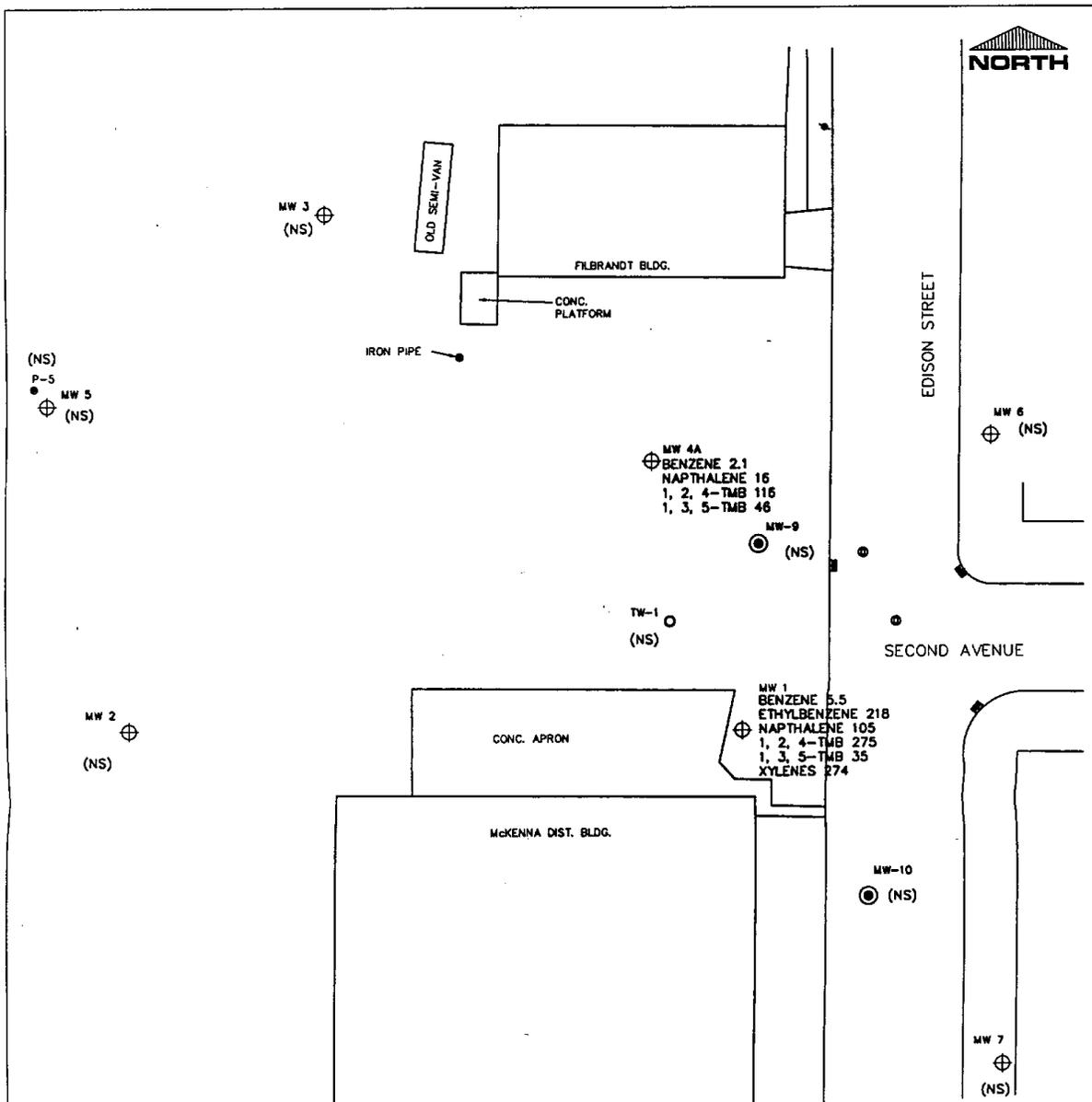


CITY OF ANTIGO
SECOND AVENUE SITE
GROUNDWATER CONTOURS 6/11/98
FIGURE 3-5



COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE
IRON MOUNTAIN, MICHIGAN 49801

DATE 3/14/00
JOB NO 91133
CADD FILE 91133-H4-04
SCALE 1"=30'



LEGEND

- ▣ CATCH BASIN
- MANHOLE
- ⊕ POWER POLE
- ⊕ GROUNDWATER MONITORING WELLS
- PIEZOMETER
- TEST WELL
- ⊕ GROUNDWATER/VAPOR MONITORING WELL

CONCENTRATIONS IN ug/l

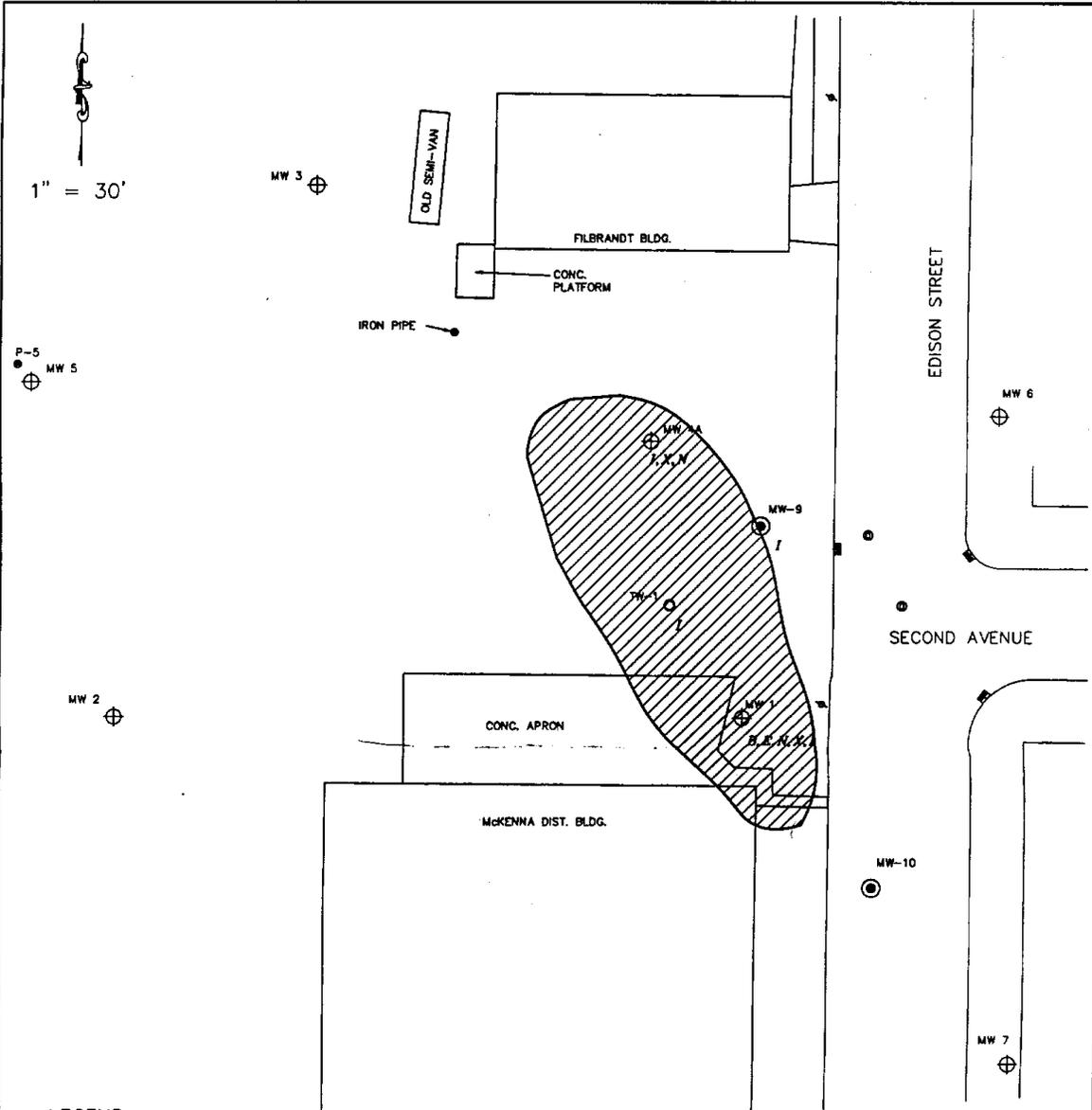
- MTBE METHYL TERTIARY BUTYL ETHER
- 1, 2, 4-TMB-T, 2, 4 TRIMETHYLBENZENE
- 1, 3, 5-TMB-1, 3, 5 TRIMETHYLBENZENE
- (ND) ALL ANALYZED GROUNDWATER CONTAMINANTS NON-DETECT AT THIS LOCATION

**CITY OF ANTIGO
SECOND AVENUE SITE
GROUNDWATER PAL/ES EXCEEDANCES
JANUARY 25, 2000
FIGURE 3-8**



COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE
IRON MOUNTAIN, MICHIGAN 49801

DATE 3/14/00
JOB NO 91133
CADD FILE 91133-H4-07



LEGEND

- CATCH BASIN
- MANHOLE
- ⌘ POWER POLE
- ⊕ GROUNDWATER MONITORING WELLS
- PIEZOMETER
- TEST WELL
- ⊙ GROUNDWATER/VAPOR MONITORING WELL

PAL/ES - EXCEEDANCES
 B - BENZENE
 E - ETHYLBENZENE
 N - NAPHTHALENE
 X - XYLENE
 I - IRON

HATCHED AREA IS ESTIMATED
 AREA OF GROUNDWATER IMPACT
 EXCEEDING NR 140 PAL/ES
 (BASED UPON GROUNDWATER SAMPLE
 ANALYSIS FROM 6-11-98)

ATTACHMENT 5
 CITY OF ANTIGO
 SECOND AVENUE SITE
 ESTIMATED AREA OF GROUNDWATER IMPACT



COLEMAN ENGINEERING COMPANY
 OF IRON MOUNTAIN
 CONSULTING ENGINEERS & LAND SURVEYORS
 IRON MOUNTAIN, MICHIGAN

REVISIONS: 12/16/98

JOB NO. 91133 H5
 DATE: OCT. 98
 CAD FILE 91133MC

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | | 1,3,5-TMB | | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|-------------|--------------|-----------|-------|---------|------------|------------|
| | | | | | | 96 Combined | 480 Combined | | | | | |
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 480 Combined | 124 | 124 | - | - | - |
| ES | 5 | 700 | 60 | 40 | 343 | - | - | 620 | 620 | - | - | - |
| MW-2 | | | | | | | | | | | | |
| 2/25/93 | ND | ND | - | ND | ND | ND | ND | ND | ND | - | <0.02 | <0.1 |
| 6/1/93 | ND | ND | - | - | ND | 2 | ND | ND | ND | - | <0.02 | <0.1 |
| 9/29/93 | ND | ND | - | ND | ND | ND | ND | ND | ND | - | <0.02 | <0.1 |
| 12/6/93 | ND | ND | - | ND | ND | ND | ND | ND | ND | - | <0.02 | <0.1 |
| 2/22/94 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.05 | 0.046 |
| 6/2/94 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.05 | 0.16 |
| 9/7/94 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.05 | 0.248 |
| 12/22/94 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.05 | 0.035 |
| 3/2/95 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.028 | <0.079 |
| 6/1/95 | - | - | - | - | - | - | - | - | - | - | - | 0.107 |
| 9/13/95 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.028 | 0.343 |
| 12/5/95 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.028 | <0.050 |
| 3/19/96 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4/10/96 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6/17/96 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | <0.028 | <0.016 |
| 9/19/96 | - | - | - | - | - | - | - | - | - | - | - | - |
| 12/18/96 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4/1/97 | - | - | - | - | - | - | - | - | - | - | - | - |
| 7/15/97 | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | - | - |
| 10/21/97 | - | - | - | - | - | - | - | - | - | - | - | - |
| 12/4/97 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3/26/98 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6/11/98 | <0.27 | <0.32 | <0.32 | <0.35 | <0.27 | <0.27 | <0.22 | <0.67 | <0.67 | - | - | - |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemicals | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|-----------|---------|--------------|-------|-------------|---------|--------------|--------------|---------|---------------|---------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 480 Combined | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | -- |
| MW-3 | ND | ND | -- | ND | ND | ND | ND | -- | -- | -- |
| 2/25/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 6/1/93 | ND | ND | -- | ND | ND | ND | ND | -- | 0.04 | <0.1 |
| 9/29/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 12/6/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | 0.18 |
| 2/22/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | <0.044 |
| 6/2/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.178 |
| 9/7/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.114 |
| 12/22/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.24 |
| 3/2/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.1 |
| 6/1/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.018 | 0.256 |
| 9/13/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.205 |
| 12/5/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | <0.051 |
| 3/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | <0.016 |
| 9/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/18/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/1/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/15/97 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 10/21/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/4/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/26/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/1/98 | <0.27 | <0.32 | <0.32 | <0.35 | <0.27 | <0.22 | <0.27 | <0.67 | -- | -- |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 13,5-TMB | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | | 620 | -- | -- |
| MW-4 | | | | | | | | | | |
| 2/25/93 | 8.7 | 330 | -- | 100 | 14 | <10 | 180 | -- | 8 | 2.3 |
| 6/1/93 | 33 | 280 | -- | -- | 18 | 650 | 190 | -- | 8.2 | 9.4 |
| 9/29/93 | <6.0 | 190 | -- | 120 | <10 | 580 | 190 | -- | 6.1 | 7.8 |
| 12/6/93 | <6.0 | 180 | -- | 64 | <10 | 660 | 150 | -- | 7.3 | 8.9 |
| 2/22/94 | <25 | 340 | <135 | 186 | <30 | 1020 | 275 | 933 | 8.01 | 5.46 |
| 6/2/94 | <23 | 191 | ND | 149 | <37 | 775 | 184 | 568 | 6.95 | 2.98 |
| 9/7/94 | 21 | 164 | <27 | 132 | 11 | 820 | 189 | 465 | 5.09 | 3.73 |
| 12/22/94 | <25 | 176 | <135 | 236 | <30 | 1060 | 252 | 428 | 5.57 | 4.39 |
| 3/2/95 | 26 | 156 | ND | 120 | ND | 986 | 251 | 394 | 6.8 | 2.86 |
| 6/1/95 | -- | -- | ND | -- | 9.5 | -- | -- | -- | -- | -- |
| 9/13/95 | 2.9 | 82 | ND | 86 | -- | 431 | 108 | 236 | 3.72 | 4.03 |
| 12/5/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | <5 | 173 | <27 | 79 | <6 | 617 | 181 | 427 | 5.02 | 4 |
| 9/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/18/96 | <1.0 | 67 | ND | 48 | <2 | 570 | 180 | 171 | -- | -- |
| 4/1/97 | <1.0 | 180 | 27 | 74 | 6.30 | 760 | 230 | 505 | -- | -- |
| 7/15/97 | <0.8 | 150 | 9.3 | 69 | 5.7 | 830 | 240 | 429 | -- | -- |
| 10/21/97 | <0.8 | 93 | 12 | 64 | 3.8 | 820 | 260 | 233 | -- | -- |
| 12/4/97 | <2 | 78 | <2.6 | 38 | <1.4 | 890 | 270 | 200 | -- | -- |
| 3/26/98 | <1.3 | 84 | 7.1 | 45 | <1.1 | 790 | 270 | 207 | -- | -- |
| 6/11/98 | <1.4 | 120 | <1.6 | 46 | 4.0 | 920 | 300 | 400 | -- | -- |
| 3/30/99 | <0.65 | 51 | 12 | 24 | <0.53 | 520 | 200 | 112 | -- | -- |
| 1/25/00 | 2.1 | 30 | <0.92 | 16 | 1.5 | 116 | 46 | 54 | -- | -- |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|-------------|--------------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 480 Combined | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | | | 620 | -- | -- |
| MW-5 | | | | | | | | | | |
| 2/25/93 | ND | ND | -- | ND | 0.98 | ND | ND | -- | <0.02 | <0.1 |
| 6/1/93 | ND | ND | -- | -- | ND | ND | ND | -- | <0.02 | 0.3 |
| 9/29/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 12/6/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 2/22/94 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | <0.044 |
| 6/2/94 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | <0.028 |
| 9/7/94 | ND | ND | ND | ND | ND | 3.2 | ND | -- | <0.05 | 0.233 |
| 12/22/94 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | <0.028 |
| 3/2/95 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | <0.028 |
| 6/1/95 | ND | ND | ND | ND | ND | ND | ND | -- | 0.085 | 0.095 |
| 9/13/95 | ND | ND | ND | ND | ND | ND | ND | -- | <0.028 | 0.275 |
| 12/5/95 | ND | ND | ND | ND | ND | ND | ND | -- | <0.028 | 0.196 |
| 3/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | <0.028 | <0.056 |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | <0.016 |
| 9/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/18/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/1/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/15/97 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 10/21/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/4/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/26/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/11/98 | <0.27 | <0.32 | <0.32 | <0.35 | <0.27 | <0.27 | <0.22 | <0.67 | -- | -- |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|-------------|--------------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 480 Combined | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | | | 620 | -- | -- |
| MV-6 | | | | | | | | | | |
| 2/25/93 | ND | ND | -- | ND | 0.7 | ND | ND | -- | <0.02 | <0.1 |
| 6/1/93 | ND | ND | -- | -- | ND | 1.2 | ND | -- | <0.02 | <0.1 |
| 9/29/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 12/6/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 2/22/94 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | <0.044 |
| 6/2/94 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | 0.231 |
| 9/7/94 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | 0.052 |
| 12/22/94 | ND | ND | ND | ND | ND | ND | ND | -- | <0.05 | <0.029 |
| 3/2/95 | ND | ND | ND | ND | ND | ND | ND | -- | <0.028 | 0.23 |
| 6/1/95 | ND | ND | ND | ND | ND | ND | ND | -- | <0.028 | 0.299 |
| 9/13/95 | ND | ND | ND | ND | ND | ND | ND | -- | <0.028 | 0.206 |
| 12/5/95 | ND | ND | ND | ND | ND | ND | ND | -- | <0.028 | 0.056 |
| 3/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | <0.016 |
| 9/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/18/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/1/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/15/97 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 10/21/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/4/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/26/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/11/98 | <0.27 | <0.32 | <0.32 | <0.35 | <0.27 | <0.22 | <0.27 | <0.67 | -- | -- |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB 96 Combined | 1,3,5-TMB 480 Combined | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|--------------------------|---------------------------|---------|---------------|---------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 480 Combined | 124 | -- | -- | |
| ES | 5 | 700 | 60 | 40 | 343 | 620 | -- | -- | -- | |
| MW-7 | | | | | | | | | | |
| 2/25/93 | ND | 3.1 | -- | ND | 0.9 | ND | ND | 0.22 | 0.1 | |
| 6/1/93 | ND | ND | -- | -- | 0.83 | ND | ND | 0.07 | <0.1 | |
| 9/29/93 | ND | ND | -- | ND | ND | ND | ND | <0.02 | 0.12 | |
| 12/6/93 | ND | ND | -- | ND | ND | ND | ND | <0.02 | <0.1 | |
| 2/22/94 | ND | ND | ND | ND | ND | ND | ND | <0.05 | <0.044 | |
| 6/2/94 | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.122 | |
| 9/7/94 | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.589 | |
| 12/22/94 | ND | ND | ND | ND | ND | ND | ND | <0.05 | <0.028 | |
| 3/2/95 | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.079 | |
| 6/1/95 | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.326 | |
| 9/13/95 | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.155 | |
| 12/5/95 | ND | ND | ND | ND | ND | ND | ND | <0.028 | <0.053 | |
| 3/19/96 | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.076 | |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/17/96 | ND | ND | ND | ND | ND | ND | ND | 0.035 | 0.064 | |
| 9/19/96 | ND | ND | ND | ND | ND | ND | ND | <0.018 | 0.048 | |
| 12/18/96 | <0.6 | ND | <1.0 | ND | ND | ND | ND | -- | -- | |
| 4/1/97 | -- | ND | -- | ND | ND | ND | ND | -- | -- | |
| 7/15/97 | ND | ND | ND | ND | ND | ND | ND | -- | -- | |
| 10/21/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/4/97 | ND | ND | ND | ND | ND | ND | ND | -- | -- | |
| 3/26/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/11/98 | <0.27 | <0.32 | <0.32 | <0.35 | <0.27 | <0.22 | <0.27 | -- | -- | |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|--------------|-------------------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 13,5-TMB Combined | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | -- |
| MW-8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/25/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/1/93 | 3.6 | 60 | -- | <3.0 | 1.6 | 1.2 | 9.1 | -- | 1.6 | 1.3 |
| 9/29/93 | 2.3 | 4.2 | -- | <7.5 | <2.5 | <2.5 | <2.5 | -- | 0.54 | 0.84 |
| 12/6/93 | <0.5 | 2.9 | 5.4 | <1.0 | 1.7 | <1.7 | <0.9 | 0.8 | 0.316 | 0.085 |
| 2/22/94 | 5 | 23 | ND | <3.0 | ND | 40 | 23 | 21 | 0.589 | 0.363 |
| 6/29/94 | 2.2 | 16 | ND | 2.6 | 1.1 | 11 | 13 | 11 | 0.641 | 0.628 |
| 9/7/94 | 3 | 59 | ND | 1.4 | 5.4 | <1.7 | 2.8 | 6 | 1.25 | 0.343 |
| 12/22/94 | 28 | 90 | ND | 4 | 12 | 30 | 12 | 53 | 2 | 1.53 |
| 3/2/95 | 0.5 | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.467 |
| 6/1/95 | <0.5 | <0.6 | ND | <1.0 | <0.6 | <1.7 | <0.9 | <1.7 | <0.028 | 0.187 |
| 9/13/95 | <0.5 | <0.6 | ND | <1.0 | <0.6 | <1.7 | <0.9 | <1.7 | <0.028 | 0.095 |
| 12/5/95 | -- | -- | -- | -- | -- | <1.7 | ND | -- | -- | -- |
| 3/19/96 | 0.7 | 6.0 | ND | <1.0 | 0.6 | <1.7 | ND | <1.7 | 0.036 | 0.187 |
| 4/10/96 | <0.5 | 6.5 | <2.7 | <1.0 | <0.6 | <1.7 | <0.9 | <1.7 | 0.037 | 0.205 |
| 6/17/96 | <0.9 | 2 | <0.9 | <3.0 | 1.6 | <2.3 | <2.3 | <3.1 | <0.018 | 0.212 |
| 9/19/96 | <0.6 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <0.3 | <2.0 | -- | -- |
| 12/18/96 | <0.2 | <0.3 | 0.9 | <0.8 | <0.4 | 0.4 | <0.3 | <1.1 | -- | -- |
| 4/1/97 | <0.41 | 22 | <0.53 | 2.8 | 0.34 | 41 | 6.4 | 26.5 | -- | -- |
| 7/15/97 | 3.5 | 100 | 6.7 | 28 | 3.3 | 1.3 | <0.34 | 5.8 | -- | -- |
| 10/21/97 | 2.5 | 42 | <0.53 | <0.66 | 0.59 | <0.3 | <0.25 | <0.79 | -- | -- |
| 12/4/97 | 1.7 | 1.9 | 0.26 | 0.99 | <0.21 | <0.86 | <0.54 | <1.34 | -- | -- |
| 3/26/98 | 0.28 | 1.7 | <0.32 | <0.35 | <0.27 | <0.22 | <0.27 | <0.67 | -- | -- |
| 6/11/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|--------------|-----------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 1,3,5-TMB | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | 480 Combined | 620 | -- | -- | -- |
| MTV-9 | | | | | | | | | | |
| 2/5/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/1/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/29/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/6/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/22/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/2/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/7/94 | 2 | 1.4 | ND | 1.3 | ND | 5.4 | 1.7 | ND | 0.134 | 0.404 |
| 12/22/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/2/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.03 | 0.229 |
| 6/1/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/13/95 | <0.5 | 1.6 | ND | 1.6 | <0.6 | 28 | 8 | 3.1 | 0.556 | 0.455 |
| 12/5/95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | <0.5 | <0.6 | <2.7 | <1.0 | 1.9 | 35 | 13 | 4.1 | 0.834 | 0.521 |
| 9/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/18/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/1/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/15/97 | <0.16 | 2.6 | 6.6 | 3.1 | <0.36 | 33 | 30 | 5.3 | -- | -- |
| 10/21/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/4/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/26/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/12/98 | <0.27 | 0.34 | <0.32 | 0.40 | <0.27 | 38 | 18 | 0.75 | -- | -- |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB | 1,3,5-TMB | Xylenes | GRO (mg/L) | DRO (mg/L) |
|----------|---------|--------------|-------|-------------|---------|-------------|--------------|---------|------------|------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | 96 Combined | 480 Combined | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | | | 620 | -- | -- |
| MW-10 | | | | | | | | | | |
| 2/25/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/1/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/29/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/6/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/22/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/2/94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/7/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.543 |
| 12/22/94 | ND | ND | ND | ND | ND | ND | ND | ND | <0.05 | 0.219 |
| 3/2/95 | ND | ND | ND | ND | ND | ND | ND | ND | 0.031 | 0.121 |
| 6/1/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.304 |
| 9/13/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.222 |
| 12/5/95 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.099 |
| 3/19/96 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.07 |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | ND | ND | ND | ND | ND | 2.6 | 1 | ND | 0.038 | 0.102 |
| 9/19/96 | ND | ND | ND | ND | ND | ND | ND | ND | <0.018 | 0.184 |
| 12/18/96 | <0.6 | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 4/1/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/15/97 | ND | ND | ND | ND | ND | 6.6 | ND | ND | -- | -- |
| 10/21/97 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 12/4/97 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 3/26/98 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 6/12/98 | <0.27 | <0.32 | <0.32 | <0.35 | <0.27 | <0.22 | <0.27 | <0.67 | -- | -- |

Table 3-2
Groundwater Analytical Summary Table
City of Antigo - Second Avenue Site
Antigo, Wisconsin

(Groundwater Concentrations in ug/L except where otherwise noted)

| Chemical | Benzene | Ethylbenzene | MTBE | Naphthalene | Toluene | 1,2,4-TMB 96 Combined | 1,3,5-TMB 480 Combined | Xylenes | GRO (mg/L) | DRO (mg/L) |
|------------|---------|--------------|-------|-------------|---------|--------------------------|---------------------------|---------|---------------|---------------|
| PAL | 0.5 | 140 | 12 | 8 | 68.6 | | | 124 | -- | -- |
| ES | 5 | 700 | 60 | 40 | 343 | | | 620 | -- | -- |
| <u>P-5</u> | | | | | | | | | | |
| 2/25/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 6/1/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | 0.1 |
| 9/29/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 12/6/93 | ND | ND | -- | ND | ND | ND | ND | -- | <0.02 | <0.1 |
| 2/22/94 | ND | ND | -- | ND | ND | ND | ND | -- | <0.05 | <0.044 |
| 6/2/94 | ND | ND | -- | ND | ND | ND | ND | -- | <0.05 | 0.1 |
| 9/7/94 | ND | ND | -- | ND | ND | ND | ND | -- | <0.05 | 0.06 |
| 12/22/94 | ND | ND | -- | ND | ND | ND | ND | -- | <0.05 | 0.263 |
| 3/2/95 | ND | ND | -- | ND | ND | ND | ND | -- | <0.028 | 0.13 |
| 6/1/95 | ND | ND | -- | ND | ND | ND | ND | -- | <0.028 | 0.406 |
| 9/13/95 | ND | ND | -- | ND | ND | ND | ND | -- | <0.028 | 0.357 |
| 12/5/95 | ND | ND | -- | ND | ND | ND | ND | -- | <0.028 | 0.186 |
| 3/19/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/10/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/96 | ND | ND | ND | ND | ND | ND | ND | ND | <0.028 | 0.063 |
| 9/19/96 | -- | -- | ND | -- | -- | -- | -- | -- | -- | -- |
| 12/18/96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/1/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/15/97 | ND | ND | ND | ND | ND | ND | ND | ND | -- | -- |
| 10/21/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/4/97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/26/98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/11/98 | <0.27 | <0.32 | <0.32 | <0.35 | <0.27 | <0.22 | <0.27 | <0.67 | -- | -- |

Notes:

-- Not sampled

ND- Indicates groundwater concentration was below method detection limit.

1,2,4-TMB - 1,2,4- Trimethylbenzene

1,3,5-TMB - 1,3,5- Trimethylbenzene

MTBE- Methyl-tertiary butyl ether

DRO- Diesel Range Organics

File:01060011330000CleanErrorAndvchkm: 416:Comin:hand
03/22/00

GRO- Gasoline Range Organics
PAL - Preventative Action Limit
ES- Enforcement Standard

Table 3-3
 Mann-Kendall Statistical Test to Determine Contaminant Concentration Stability /Decreasing Trend for MW-1
 City of Antigo - 2nd Avenue Site
 Antigo, Wisconsin

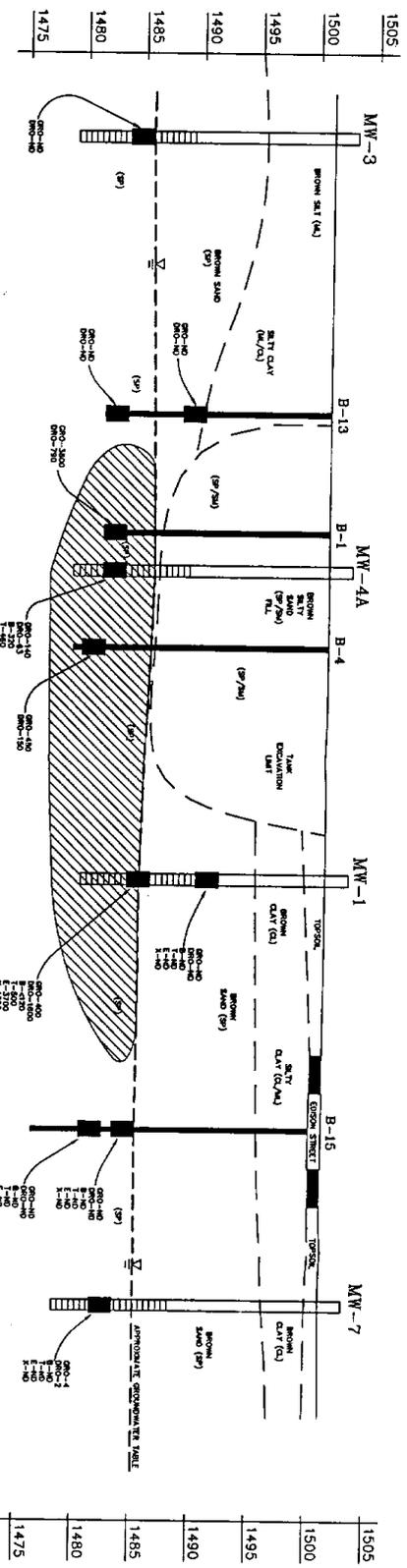
Mann-Kendall Analysis Spreadsheet, Wisconsin DNR Remediation and Redevelopment Program

This spreadsheet is used to test for increasing, decreasing or stable trends, based on the Mann-Kendall statistical test. Refer to guidance titled *Interim Guidance on Natural Attenuation for Petroleum Releases* dated October 1999 for more information.

Spreadsheet version 1.0 prepared by George Mickelson, June 9, 1999. Spreadsheet QA/QC check by Resty Palayo, June and July 1999.

Site Name = City of Antigo-2nd Avenue Antigo Wisconsin BRTS No. = 03-34-000354 Well Number = MW-1

| Event Number | Sampling Date (most recent last) | Benzene Concentration (leave blank if no data) | Ethylbenzene Concentration (leave blank if no data) | Napthalene Concentration (leave blank if no data) | Napthalene Concentration (leave blank if no data) | Total TMB Concentration (leave blank if no data) | Total Xylenes Concentration (leave blank if no data) |
|--|----------------------------------|--|---|---|---|--|--|
| 1 | 18-Dec-96 | 6.40 | 420.00 | 210.00 | 210.00 | 360.00 | 688.00 |
| 2 | 01-Apr-97 | 0.20 | 260.00 | 130.00 | 130.00 | 360.00 | 440.00 |
| 3 | 15-Jul-97 | 7.00 | 430.00 | 190.00 | 190.00 | 510.00 | 630.00 |
| 4 | 21-Oct-97 | 5.20 | 490.00 | 210.00 | 210.00 | 583.00 | 548.00 |
| 5 | 04-Dec-97 | 6.10 | 540.00 | 230.00 | 230.00 | 667.00 | 643.00 |
| 6 | 26-Mar-98 | 5.80 | 360.00 | 140.00 | 140.00 | 505.00 | 442.00 |
| 7 | 08-Jun-98 | 2.40 | 360.00 | 130.00 | 130.00 | 559.00 | 544.00 |
| 8 | 30-Mar-99 | 6.10 | 420.00 | 170.00 | 170.00 | 564.00 | 703.00 |
| 9 | 03-Feb-00 | 5.50 | 218.00 | 105.00 | 105.00 | 310.00 | 274.00 |
| 10 | | | | | | | |
| S = | | 5 | -6 | -12 | -12 | 5 | -6 |
| n = | | 9 | 9 | 9 | 9 | 9 | 9 |
| Average = | | 4.966666667 | 388.6666667 | 168.3333333 | 168.3333333 | 490.8888889 | 545.7777778 |
| St. Dev. = | | 2.210769097 | 102.571926 | 44.01704215 | 44.01704215 | 120.9508624 | 140.232644 |
| CV = | | 0.445121295 | 0.263907185 | 0.261487379 | 0.261487379 | 0.246391526 | 0.256940919 |
| Increasing Trend (80% Confidence) | | NO | NO | NO | NO | NO | NO |
| Decreasing Trend (80% Confidence) | | NO | NO | YES | YES | NO | NO |
| Undetermined Stable Trend, CV <= 1 | | YES | YES | NO | NO | NO | NO |
| Undetermined Non-Stable Trend, CV > 1 | | NO | NO | NO | NO | NO | NO |
| Error Check, OK if Blank | | | | | | | |
| Stable or Decreasing Trend at 80% Confidence Level | | YES | YES | YES | YES | YES | YES |
| Data Entry By = | HLR | Date = | 29-Feb-00 | Checked By = | JFG | | |



HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 10'

ATTACHMENT 2
CITY OF ANTIGO
SECOND AVENUE SITE

CROSS-SECTION WITH PRE-REMEDIATION SOIL ANALYTICAL INFORMATION
 LOOKING NORTHEAST

- SOIL ANALYTICAL INFORMATION**
- GRO - GASOLINE RANGE ORGANICS
 - DRO - DIESEL RANGE ORGANICS
 - B - BENZENE
 - T - TOLUENE
 - E - ETHYLBENZENE
 - X - XYLENE
 - B-25 INDICATES BENZENE @ 25 ug/kg
 - ND-NOT DETECTED
 - BTEX RESULTS IN ug/kg
 - GRO/DRO RESULTS IN um/kg
 - ALL ELEVATIONS REFERENCED TO USGS DATUM



COLEMAN ENGINEERING COMPANY
 CONSULTING ENGINEERS & LAND SUPERVISORS
 IRON MOUNTAIN, MICHIGAN

JOB NO. 91133-H5
 CAD DWG: 91133-01-GE0.DWG

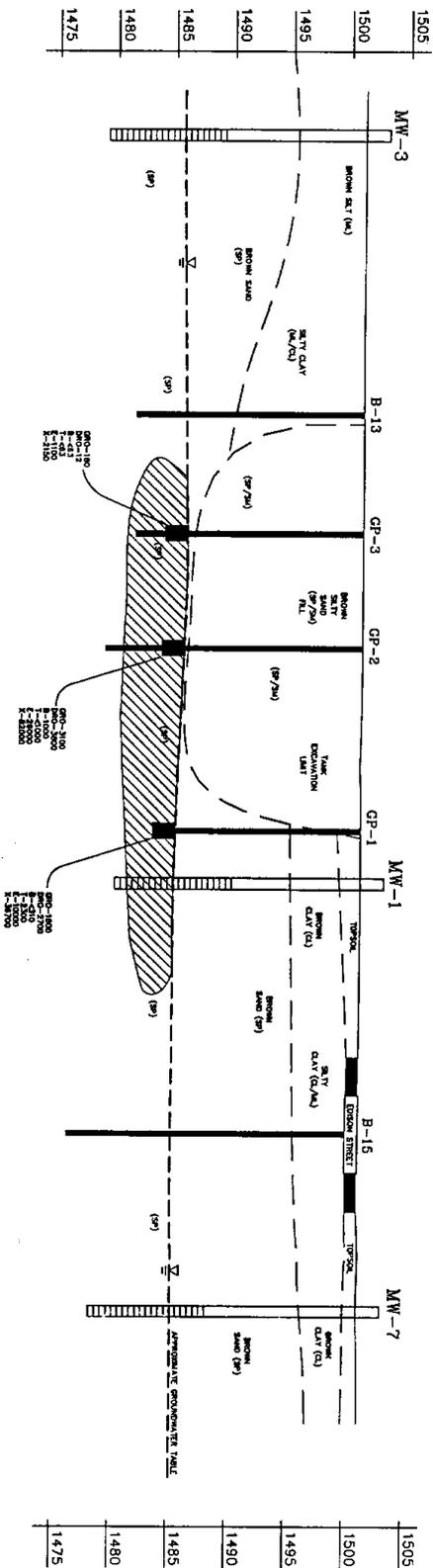
DATE: DEC. 16, 1998



COLEMAN ENGINEERING COMPANY
CONSULTING ENGINEERS & LAND SURVEYORS
IRON MOUNTAIN, MICHIGAN

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 10'

ATTACHMENT 3
CITY OF ANTIGO
SECOND AVENUE SITE
CROSS-SECTION WITH POST-REMEDIATION SOIL ANALYTICAL INFORMATION
LOOKING NORTHEAST



SOIL ANALYTICAL INFORMATION

- GRO - GASOLINE RANGE ORGANICS
- DRO - DIESEL RANGE ORGANICS
- B - BENZENE
- T - TOLUENE
- E - ETHYLBENZENE
- X - XYLENE
- B-25 INDICATES BENZENE @ 25 ug/kg
- ND-NOT DETECTED
- BTEX RESULTS IN ug/kg
- GRO/DRO RESULTS IN um/kg
- ALL ELEVATIONS REFERENCED TO USGS DATUM

Table 3-4
Mann-Kendall Test to Determine Contaminant Concentration Stability/Decreasing Trend for MW-4
City of Antigo - 2nd Avenue Site
Antigo, Wisconsin

Mann-Kendall Analysis Spreadsheet, Wisconsin DNR Remediation and Redevelopment Program

This spreadsheet is used to test for increasing, decreasing or stable trends, based on the Mann-Kendall statistical test. Refer to guidance titled *Interim Guidance on Natural Attenuation for Petroleum Releases* dated October 1999 for more information.

Spreadsheet version 1.0 prepared by George Mickelson, June 9, 1999. Spreadsheet QA/QC check by Resty Pelayo, June and July 1999.

Site Name = City of Antigo-2nd Avenue Antigo Wisconsin BRRS.No. = 03-34-00354 Well Number = MW-4

| Event Number | Sampling Date (most recent last) | Benzene Concentration (leave blank if no data) | Ethylbenzene Concentration (leave blank if no data) | MTBE Concentration (leave blank if no data) | Napthalene Concentration (leave blank if no data) | Total TMB Concentration (leave blank if no data) | Total Xylenes Concentration (leave blank if no data) |
|--|----------------------------------|--|---|---|---|--|--|
| 1 | 18-Dec-96 | 0.50 | 67.00 | | 48.00 | 750.00 | 171.00 |
| 2 | 01-Apr-97 | 0.50 | 180.00 | 13.00 | 74.00 | 990.00 | 505.00 |
| 3 | 15-Jul-97 | 0.80 | 150.00 | 9.30 | 69.00 | 1,070.00 | 429.00 |
| 4 | 21-Oct-97 | 0.80 | 93.00 | 12.00 | 64.00 | 1,080.00 | 233.00 |
| 5 | 04-Dec-97 | 1.00 | 78.00 | 1.30 | 38.00 | 1,160.00 | 200.00 |
| 6 | 26-Mar-98 | 0.65 | 84.00 | | 45.00 | 1,060.00 | 207.00 |
| 7 | 08-Jun-98 | 0.70 | 120.00 | | 46.00 | 1,220.00 | 400.00 |
| 8 | 30-Mar-99 | 0.65 | 51.00 | 12.00 | 24.00 | 720.00 | 112.00 |
| 9 | 03-Feb-00 | 2.10 | 30.00 | 0.92 | 16.00 | 159.00 | 5.40 |
| 10 | | | | | | | |
| S = | | 13 | -16 | -8 | -24 | 0 | -16 |
| n = | | 9 | 9 | 6 | 9 | 9 | 9 |
| Average = | | 0.856556556 | 94.7777778 | 8.08666667 | 47.1111111 | 912.111111 | 251.377778 |
| St. Dev. = | | 0.492090213 | 47.7409095 | 5.543669062 | 19.61787733 | 329.3290317 | 161.7486768 |
| CV = | | 0.575170379 | 0.503714169 | 0.685532036 | 0.416417208 | 0.361062405 | 0.64344859 |
| Increasing Trend (80% Confidence) | | YES | NO | NO | NO | NO | NO |
| Decreasing Trend (80% Confidence) | | NO | YES | YES | YES | NO | YES |
| Undetermined Stable Trend, CV <= 1 | | NO | NO | NO | NO | NO | NO |
| Undetermined Non-Stable Trend, CV > 1 | | NO | NO | NO | NO | NO | NO |
| Error Check, OK if Blank | | | | | | | |
| Stable or Decreasing Trend at 80% Confidence Level | | NO | YES | YES | YES | YES | YES |
| Data Entry By = | HLR | Date = | 29-Feb-00 | Checked By = | JFG | | |

351633

LANGLADE COUNTY, WI
RECEIVED FOR RECORD

'01 JUL 31 AM 10 30

REGISTER OF DEEDS

Andra Fischer

Document Number | GROUNDWATER USE RESTRICTION

Declaration of Restrictions

In Re: Lot 10, in Block 2 City of Antigo, according to the recorded plat thereof, ALSO, the and North 1/2 of vacated Second Avenue of said City of Antigo, lying West of Edison Street and East of the former former Chicago and Northwestern Transportation Company Right-of-Way.

Recording Area

Name and Return Address

City of Antigo
700 Edison Street
Antigo Wisconsin 54409

TELEPHONE NO. _____
RECORDING DATE *6-29-01*
GRANTOR _____ GRANTEE _____
TRACT _____

STATE OF WISCONSIN

) ss

COUNTY OF LANGLADE)

201-0023

Parcel Identification Number (PIN)

WHEREAS, City of Antigo is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Petroleum contaminated groundwater above ch. NR140, Wis. Adm. Code, enforcement standards existed on this property at the following location(s) on the following date(s): Groundwater Monitoring Well MW-4 on January 25, 2000, with Benzene at 2.1 micrograms per liter (µg/l) and Temporary Well-1 (TW-1) with benzene at 0.79 µg/l as shown on the map and groundwater concentration tables presented as Exhibit A. Petroleum soil contamination existed on the property at the following location(s) on the following dates: Hydraulic probe borings, GP-2, GP-3, GP-5 and GP-6 collected December 1996 as shown on the map and soil concentration tables presented as Exhibit B which is attached and made a part of this restriction.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140 Wisconsin Administrative Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Miles R. Stanke asserts that he/she is duly authorized to sign this document on behalf of the City of Antigo.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 19th day of July, 2001.

Signature: *[Handwritten Signature]*
Printed Name: Miles R. Stanke
Title: Mayor

Subscribed and sworn to before me
This 19th day of July, 2001.

Lisa M. Volkman
Notary Public, State of Wisconsin
My Commission expires September 7, 2003



This document was drafted by Coleman Engineering Company based on comments from the Wisconsin Department of Natural Resources.

351633

CITY OF ANTIGO
2ND AVENUE

EXHIBIT B
Post Remediation Soil Sample Results

Soil Sampling Results

Six geoprobe soil borings were performed at the Second Avenue site on December 18, 1996. Soil boring locations are shown on the attached Geoprobe Boring Location Drawing. Samples were collected to determine the effectiveness of the system. Soil samples were collected for laboratory analysis from approximately 16 to 18 feet below ground surface (BGS), the depth which impacted soils were encountered during the site investigation phase. Soil samples were collected using a one inch split spoon sample and photoionization detector was used to field screen samples. Headspace results are summarized below in Table 2. Soil samples were submitted for gasoline range organics (GRO), diesel range organics (DRO), and petroleum volatile organic compounds (PVOC) analysis. Laboratory analysis results are summarized below in Table 3.

TABLE 2
CITY OF ANTIGO - SECOND AVENUE SITE
SOIL SAMPLE RESULTS
SAMPLE COLLECTED DECEMBER 18, 1996

| SAMPLE NUMBER | DEPTH | HEADSPACE | SAMPLE NUMBER | DEPTH | HEADSPACE |
|---------------|-------|-----------|---------------|-------|-----------|
| GP-1 | 16-18 | 300 | GP-5-1 | 14-16 | 4 |
| GP-2-1 | 14-16 | NA | GP-5-2 | 16-18 | 4 |
| GP-2-2 | 16-18 | 250 | GP-5-3 | 18-20 | NA |
| GP-3-1 | 14-16 | NA | GP-6-1 | 14-16 | 3 |
| GP-3-2 | 16-18 | 150 | GP-6-2 | 16-18 | NA |
| GP-4-1 | 14-16 | 150 | | | |
| GP-4-2 | 16-18 | 7 | | | |

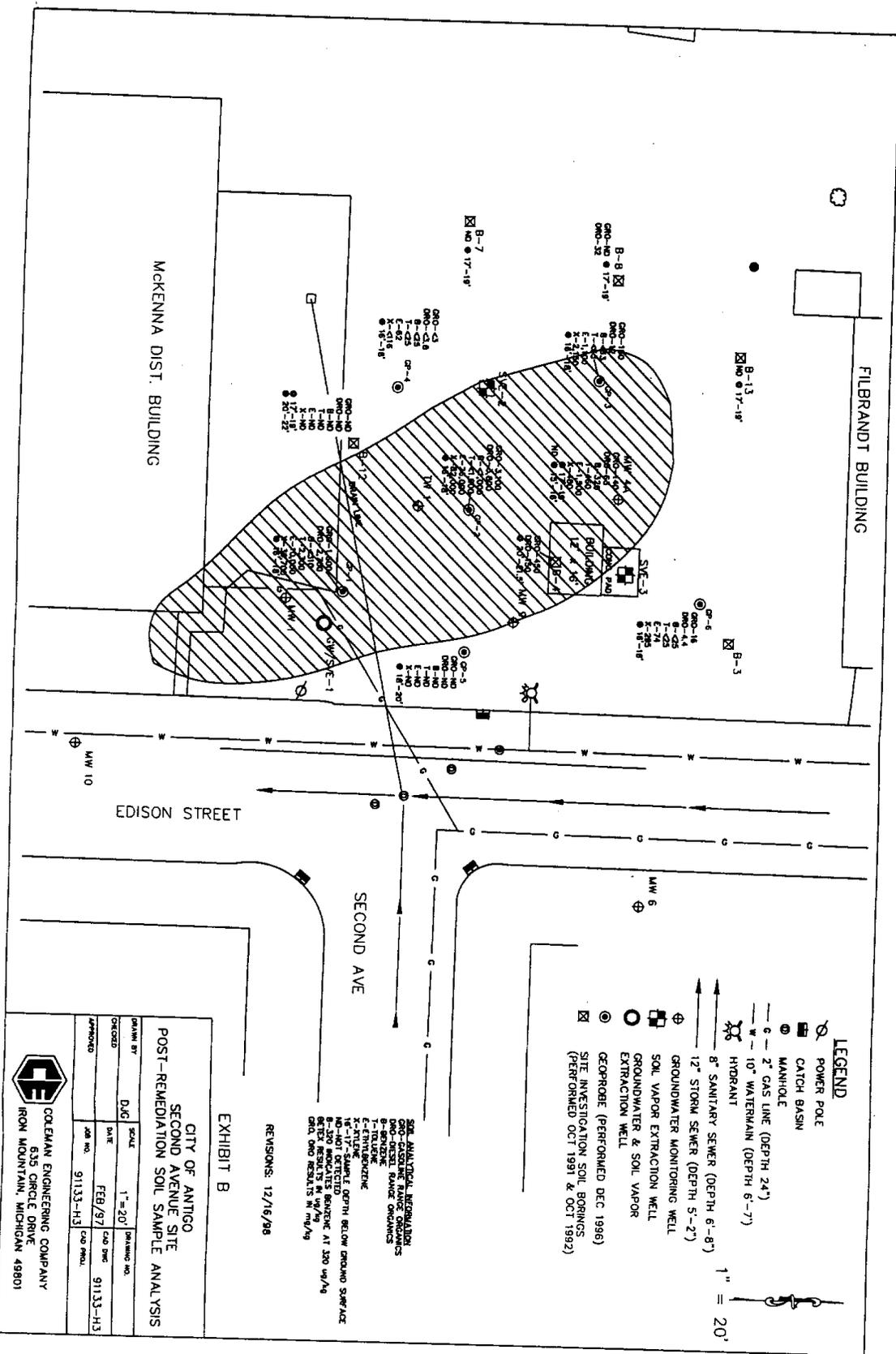
Sample depth in feet below ground surface.
Headspace results in units as benzene. Background reading of 2.0 units as benzene.

TABLE 3
CITY OF ANTIGO - SECOND AVENUE SITE
SOIL SAMPLE RESULTS
SAMPLE COLLECTED DECEMBER 18, 1996

| PARAMETER | GP-1 | GP-2-2 | GP-3-2 | GP-4-2 | GP-5-3 | GP-6-2 | NR 720 STANDARDS |
|------------------|-------|--------|--------|--------|--------|--------|------------------|
| Depth (feet BGS) | 16-18 | 16-18 | 16-18 | 16-18 | 18-20 | 16-18 | NS |
| Headspace | 300 | 250 | 150 | 7 | NA | NA | NS |
| GRO (mg/kg) | 1600 | 3100 | 180 | <3 | <3.1 | 16 | 100 |
| DRO (mg/kg) | 2700 | 3800 | 12 | <3.8 | <3.8 | 4.4 | 100 |
| PVOC (µg/kg) | | | | | | | |
| Benzene | <310 | <1000 | <63 | <25 | <25 | <25 | 5.5 |
| Ethylbenzene | 10000 | 26000 | 1100 | 62 | <25 | 74 | 2900 |
| Toluene | 2300 | <1000 | <63 | <25 | <25 | <25 | 1500 |
| Xylenes, total | 36700 | 82000 | 2150 | <116 | <50 | 295 | 4100 |
| 1,2,4-TMB | 38000 | 89000 | 3500 | 79 | <25 | 67 | NS |
| 1,3,5-TMB | 14000 | 31000 | 1900 | 32 | <25 | 92 | NS |
| MTBE | <310 | <1000 | 200 | <25 | <25 | <25 | NS |

NR 720 - Wisconsin Administrative Code NR 720 Residual Contaminant Level
BGS - Below Ground Surface
TMB - Trimethylbenzene
Headspace readings in units as benzene.
Shaded results indicate an exceedance of NR 720 soil standards.

mg/kg - Milligram per Kilogram
µg/kg - Microgram per Kilogram
MTBE - Methyl Tertiary Butyl Ether
NS - No Standard



SOIL ANALYTICAL INFORMATION
 DRO-DROGERS RANGE DRONCE
 B-ETHYLENE
 X-ATLITE
 NO-NOT DETECTED
 B-350 ANALYTES RANGE AT 300 ug/Lg
 DETECTED RESULTS IN ug/Lg
 DET. DRG RESULTS IN ug/Lg

REVISIONS: 12/16/98

EXHIBIT B

CITY OF ANTIGO
 SECOND AVENUE SITE
 POST-REMEDIATION SOIL SAMPLE ANALYSIS

| DATE | SCALE | DWG | REVISION NO. |
|----------|----------|----------|--------------|
| APPROVED | 1" = 20' | 91133-H3 | |
| FEB/97 | | | |
| | | | |



COLEMAN ENGINEERING COMPANY
 635 CIRCLE DRIVE
 IRON MOUNTAIN, MICHIGAN 49801

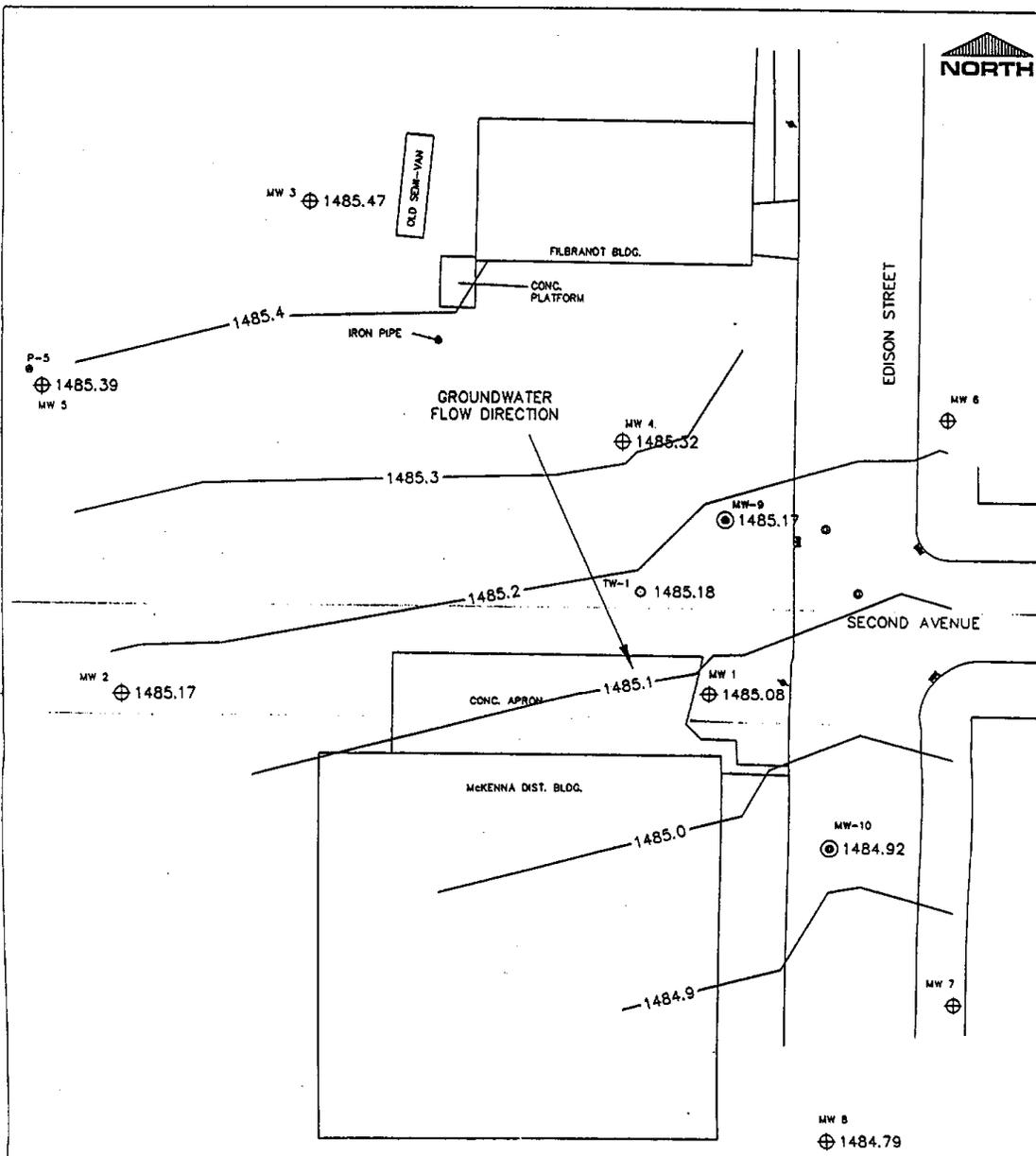


EXHIBIT A
 CITY OF ANTIGO
 SECOND AVENUE SITE
 GROUNDWATER CONTOURS 6/11/98
 FIGURE 3-5

LANGLADE COUNTY, WI
RECEIVED FOR RECORD

'01 JUL 31 AM 10 29

REGISTER OF DEEDS

Sandra Fischer

Document Number | GROUNDWATER USE RESTRICTION

Declaration of Restrictions

PARCEL 1:

That part of the following description lying within the right-of-way of Second Avenue in the City of Antigo:

That part of the East Half of the Northeast Quarter of Section 30, Township 31 North, Range 11 East of the Forth Principal Meridian, bounded as follows: On the North by the Westerly extension of the North line of Second Avenue: on the East by the West line, and the Northerly extension thereof, of Block 12 of the Original Plat of Antigo; on the South by the Westerly extension of the South line of Lot 3 in said Block 12; and on the West by a line parallel with distant 25 feet Easterly, measured at right angles, from the center of the main track of the Chicago and North Western Transportation Company, as said main track is now located.

PARCEL 2:

The South One Half of the vacated portion of the Second Avenue lying between Blocks 2 and 12 of the original plat of the Village (now City) of Antigo.

STATE OF WISCONSIN)
) ss
COUNTY OF LANGLADE)

WHEREAS, City of Antigo is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Petroleum contaminated groundwater above ch. NR140, Wis. Adm. Code, enforcement standards existed on this property at the following location(s) on the following date(s): Groundwater Monitoring Well MW-1 on January 25, 200, benzene at 5.5 micrograms per liter (µg/l) and naphthalene at 105 µg/l. Petroleum soil contamination existed on the property at the following location(s) on the following dates: Hydraulic probe borings GP-1 and GP-4 collected December 1996 as shown on the map and soil concentration tables presented as Exhibit A. The location of MW-1 is depicted on the attached Exhibit A which is hereby made part of this restriction.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

Recording Area

Name and Return Address:

City of Antigo
700 Edison Street
Antigo, Wisconsin 54409

201-0172.01

Parcel Identification Number (PIN)

TRANSFER FEE _____
RECORDING FEE 6.16
GRANTOR _____ GRANTEE _____
TRACT _____ MICRO _____

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140 Wisconsin Administrative Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Miles R. Stoeke asserts that he/she is duly authorized to sign this document on behalf of City of Antigo

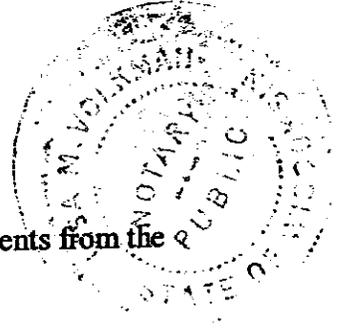
351630

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 19th day of July, 2001.

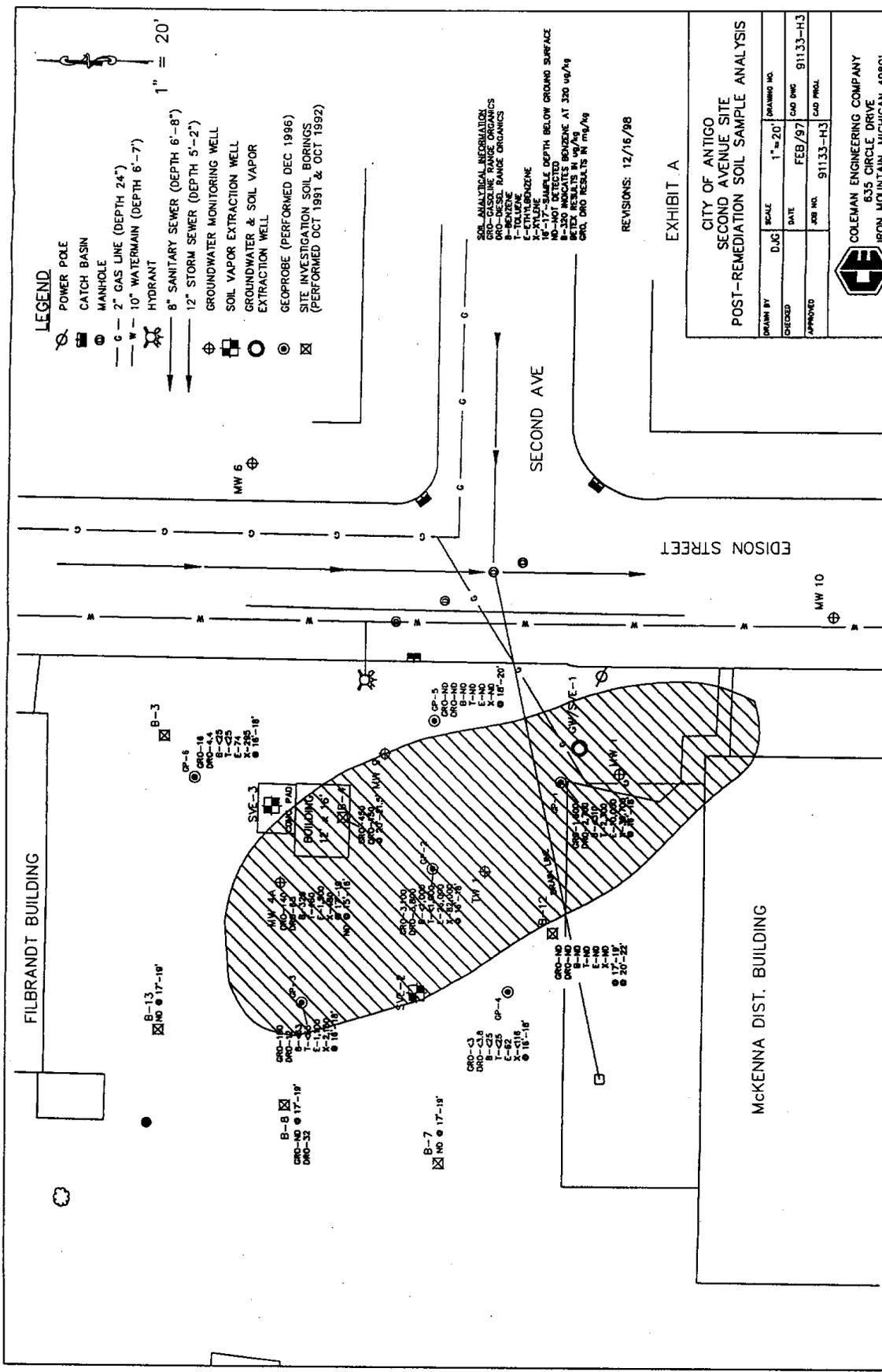
Signature: *Miles R. Stanke*
Printed Name: Miles R. Stanke
Title: Mayor

Subscribed and sworn to before me
This 19th day of July, 2001.

Lisa M. Volkman
Notary Public, State of Wisconsin
My Commission expires September 7, 2003



This document was drafted by Coleman Engineering Company based on comments from the Wisconsin Department of Natural Resources.



NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, *Eugene J. McKenna* asserts that he/she is duly authorized to sign this document on behalf of the Eugene J. McKenna and Doreen McKenna Revocable Trust dated April 30, 1993.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 18 day of July, 2001.

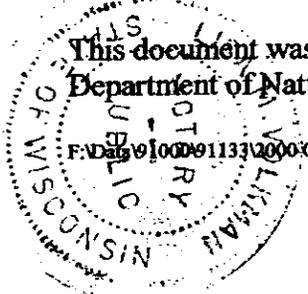
Signature: Eugene J Mc Kenna
Printed Name: EUGENE J MCKENNA
Title: Pres.

Subscribed and sworn to before me
This 18th day of July, 2001.

Lisa M. Volkman
Notary Public, State of Wisconsin
My Commission expires Sept. 7, 2003

This document was drafted by Coleman Engineering based on comments from the Wisconsin Department of Natural Resources.

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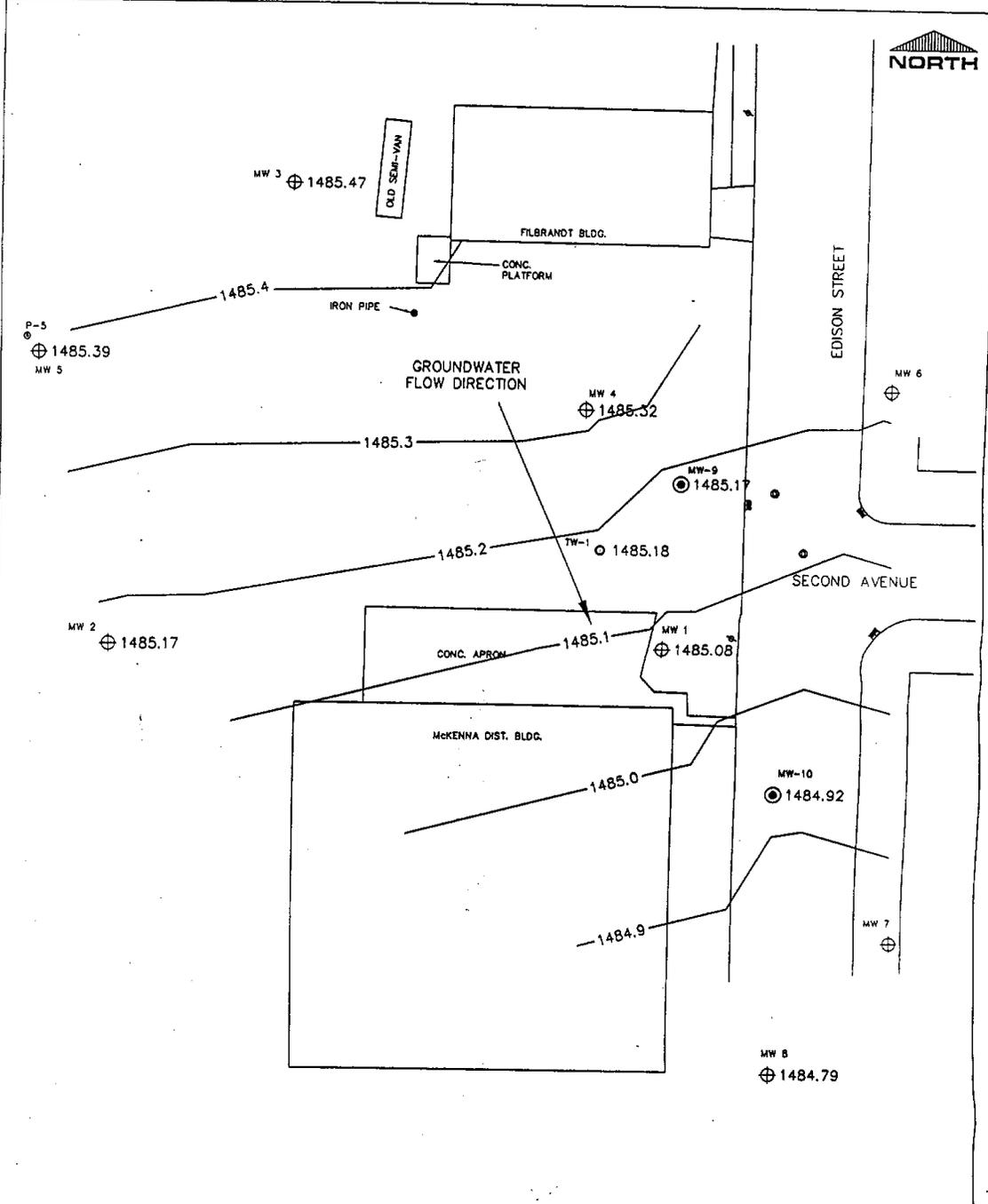


EXHIBIT A
CITY OF ANTIGO
SECOND AVENUE SITE
GROUNDWATER CONTOURS 6/11/98
FIGURE 3-5



COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE
IRON MOUNTAIN, MICHIGAN 49801

DATE 3/14/00
JOB NO 91133
CADD FILE 91133-H4-04