



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Annex  
4041 N. Richards Street, Box 12436  
Milwaukee, Wisconsin 53212-0436  
TELEPHONE 414-229-0800  
FAX 414-229-0810

March 16, 1999

Mr. Thomas Keenan  
Continental Properties  
P.O. Box 220  
Menomonee Falls, Wisconsin 53052

SUBJECT: Request for closure of chlorinated groundwater issue at the Decorah Shopping Center,  
805-827 South Main Street, West Bend, Wisconsin. BRR-ERP FID#267159970.

Dear Mr. Keenan:

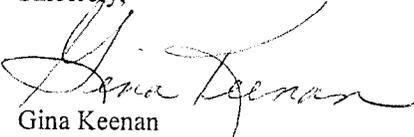
At the request of your environmental consultant, Environmental Associates, Inc., we have reviewed the referenced case file for closure. Based on the information provided, we conditionally grant closure for the chlorinated groundwater contamination. The department reserves the right to reopen this case pursuant to s. NR726.09, Wisconsin Administrative Code (WAC), should additional information regarding site conditions indicate contamination on or from the site poses a threat to public health, safety or welfare or the environment. Additionally, should a source for the chlorinated contamination be found at the property, further investigation of the degree of the contamination needs to be completed.

To complete the closure of this site, you must place a groundwater use restriction on the property deed at the county register of deeds office which specifies the legal description of the property, the location, type, and concentration of the contaminants and includes the following language:

Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the drinking water standards in ch. NR809 is restricted by chs. NR811 and NR812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply. 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 to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property.

Within 60 days all of the groundwater monitoring wells at the site must be abandoned in accordance with WAC NR 141 and the completed abandonment forms must be submitted to the department. Once the department receives the abandonment forms and confirmation that the groundwater use restriction has been placed on the title of the deed of the property, this case will be tracked as closed on our computer tracking system. If you have any questions about this letter, call me at 414-263-8589.

Sincerely,



Gina Keenan  
Hydrogeologist

c: Environmental Associates, Inc.  
SER case file

DECLARATION OF RESTRICTION

State of Wisconsin )
County of Washington )

Recording Area
Return To:
Fredric M. Wein
P.O. Box 1736
Milwaukee, WI 53217
Parcel Identification # -
1642 (C13 - 01642-0000-0000)

WHEREAS Fredric M. Wein (hereinafter referred to as "Owner") is the owner of record of the Decorah Shopping Center located at 805-827 South Main Street, West Bend, Wisconsin ("Premises"), more particularly described as follows:

That part of the Northwest Quarter of the NORTHWEST Quarter (NW 1/4 NW 1/4) of Section Twenty-four (24), Township Eleven (11) North of Range Nineteen (19) East, City of West Bend, Washington County, Wisconsin, and Lot One (1) of Block One (1) in Map of DECORAH LAWNS, a Subdivision in the Northwest Quarter of Section 24, Township 11 North, Range 19 East, City of West Bend, Washington County, Wisconsin, described as follows, viz:

Commencing at a point 80 feet East and 40 feet South of the Northwest corner of said Section 24, thence South 89 degrees 56 minutes 00 seconds East along the south line of Decorah Road, 290.73 feet to the point of intersection of said south line with the west line of Lincoln Drive West: thence South 00 degrees 33 minutes 00 seconds West along the west line of Lincoln Drive West, 400.61 feet to the southeast corner of Lot 1, Block 1 in Decorah Lawns, a Subdivision in said Section 24; thence North 89 degrees 32 minutes 39 seconds West along the south line of said Lot 1, 130.23 feet to the southwest corner of said Lot 1; thence North 89 degrees 28 minutes 15 seconds West, 160.06 feet to a point on the easterly line of South Main Street (formerly Fourth Avenue) in the City of West Bend; thence North 00 degrees 29 minutes 20 seconds East, 398.43 feet to the place of beginning.

WHEREAS dry cleaning operations were formerly conducted on Premises resulting in the discharge of solvents including Tetrachloroethane (a/k/a "Perc") which has contaminated the groundwater on the east side of Premises in concentrations slightly above NR 140.10 enforcement standard levels;

WHEREAS it is the desire and intention of the Owner to impose a groundwater use restriction on Premises which will complete closure of any further remediation activities on Premises;

NOW THEREFORE, the Owner hereby declares that Premises is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and restrictions:

Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of the the property. Construction of wells where water quality exceeds the drinking water standards in ch. NR809 is restricted by chs NR811 and NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply. 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 to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property.

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 is for the benefit of and is enforceable by the Wisconsin Department of Natural Resources, and its successors or assigns (hereinafter referred to as "Department"). The Department may initiate proceedings at law or in equity against any person or persons violating or proposing to violate this covenant to prevent the proposed violation or to recover damages for such violation.

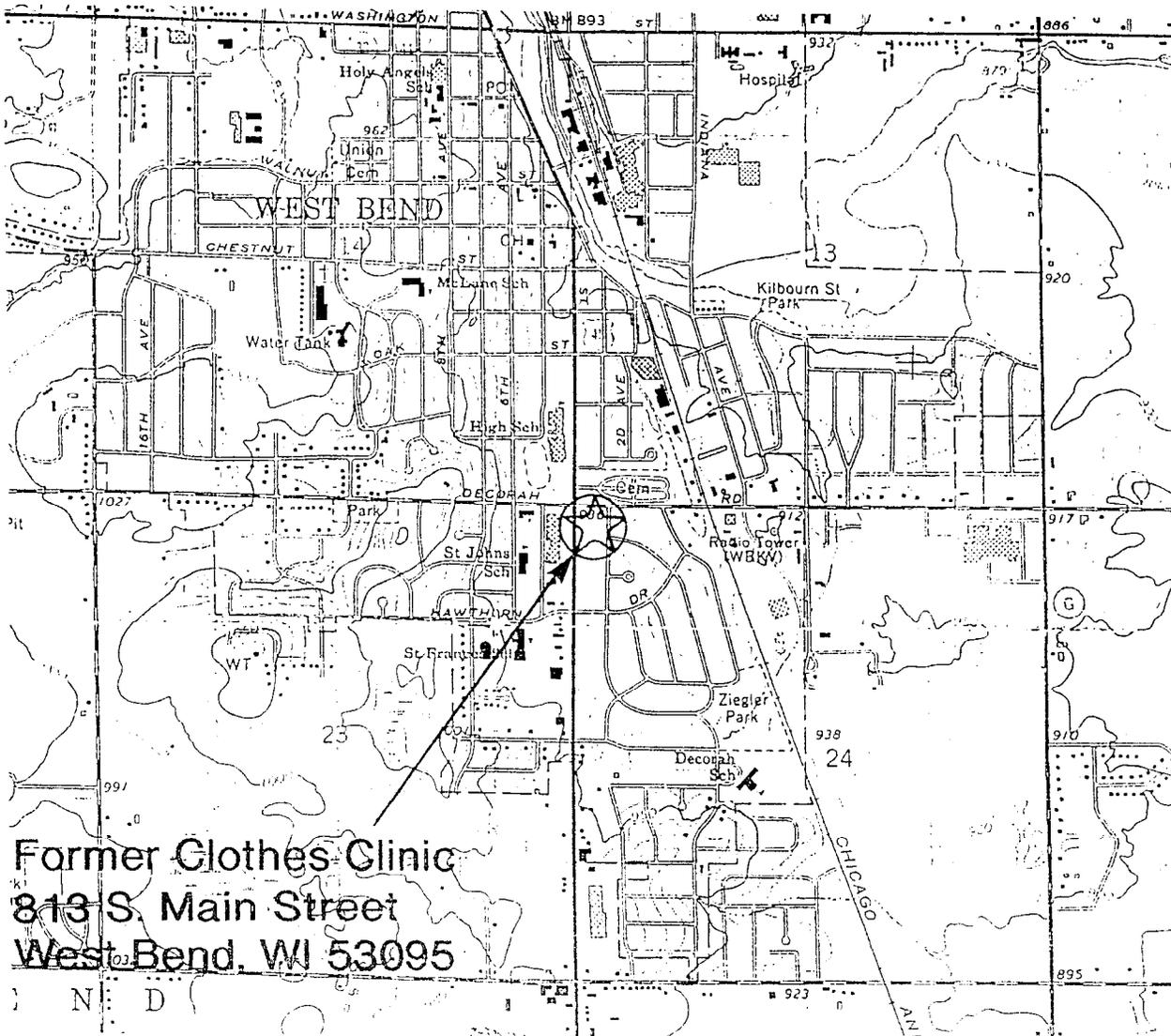
Signed by the property owner this 13th day of April, 1999.

Fredric M. Wein

Subscribed and sworn to before me this 13 day of April, 1999.

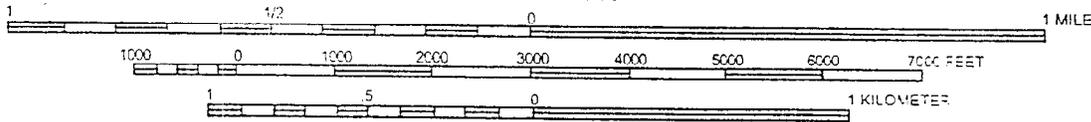
Margaret M. Falsite
Notary Public, State of Wisconsin

My commission expires: 3/31/2002
This document was drafted by: Dennis L. Fisher, Esq.

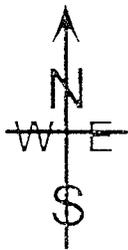


Former Clothes Clinic  
 813 S. Main Street  
 West Bend, WI 53095

SCALE 1:24000



Contour Interval of 10 Feet

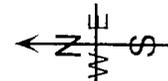
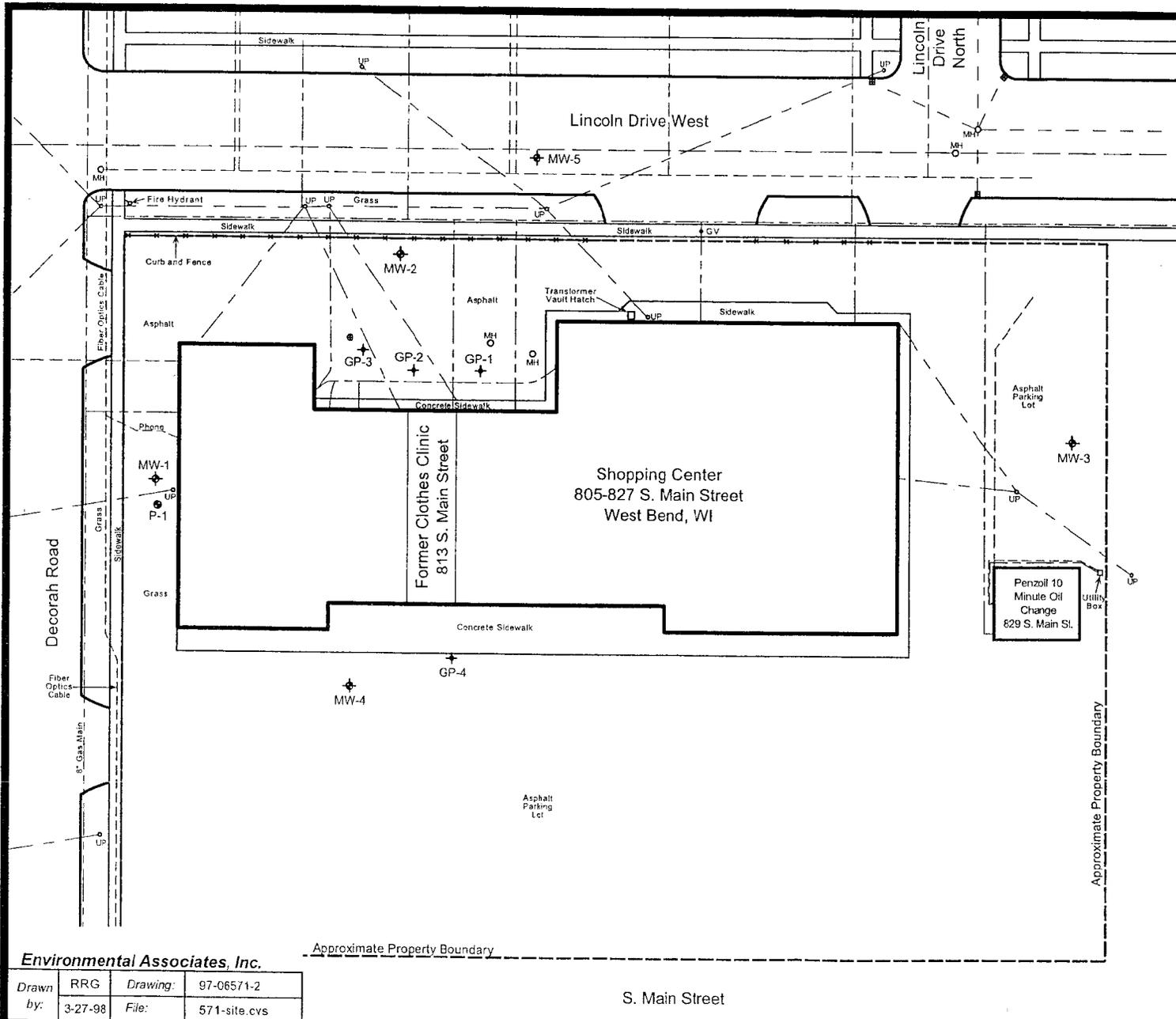


QUADRANGLE LOCATION  
 West Bend Quadrangle

FIGURE 1  
 Site Location Map  
 and  
 Local Topography

Environmental Associates, Inc.

|           |         |          |            |
|-----------|---------|----------|------------|
| Drawn by: | RRG     | Drawing: | 97-06571-1 |
|           | 3-27-98 | File:    | FIGURE 1   |



**Notes:**

1. The Former Clothes Clinic is located at 813 S. Main Street in the City of West Bend, Washington County, Wisconsin in the NW 1/4 of the NW 1/4 of Section 24, Township 11N, Range 19E of the West Bend 7.5 minute quadrangle map.
2. The base map was adapted from a survey map done by Plat of Survey for Continental Properties Co., Inc. on December 26, 1995.

**LEGEND**

- Underground Natural Gas Line
- Underground Water Line
- Underground Electric Line
- Underground Telephone/Fiber Optic Line
- Sanitary Sewer
- Storm Sewer
- Overhead Utility Lines
- UP • Utility Pole
- GV • Gas Valve
- MH O Manhole
- Catch Basin
- Catch Basin
- GP-3 + Geoprobe Soil Boring Location (Advanced By Key Environmental)
- P-1 ● Groundwater Piezometer Well (Installed by Key Environmental)
- MW-2 + Groundwater Monitoring Well (Installed by Key Environmental)

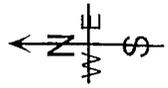
**FIGURE 2**  
**Former Clothes Clinic**  
**Site Layout**  
**and**  
**Soil Boring/Monitoring Well**  
**Locations**

Scale : 1" = 40'

Environmental Associates, Inc.

|           |         |          |              |
|-----------|---------|----------|--------------|
| Drawn by: | RRG     | Drawing: | 97-06571-2   |
|           | 3-27-98 | File:    | 571-site.cvs |

S. Main Street

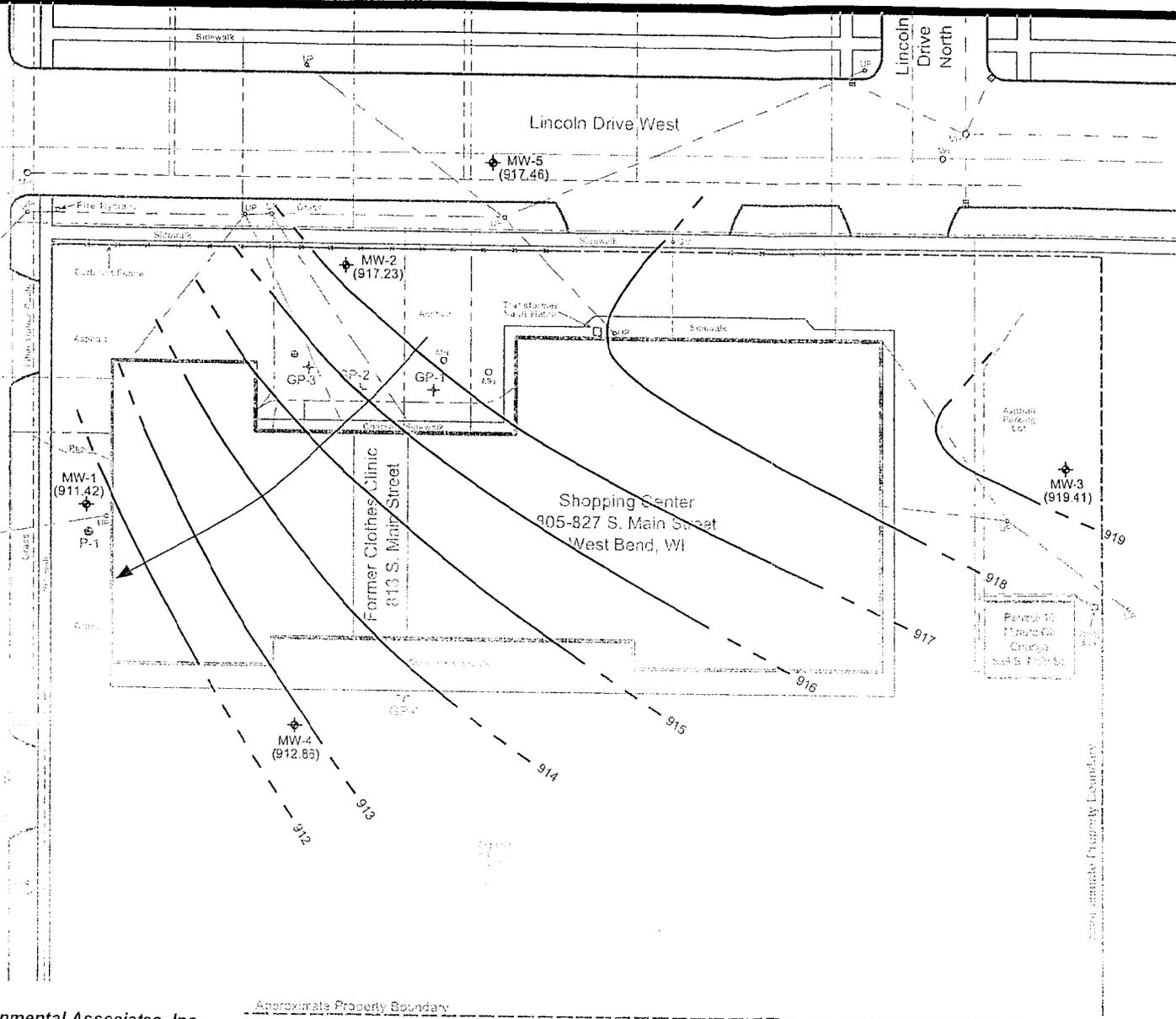


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- M-H Manhole
- C-B Catch Basin
- C-B Catch Basin
- GP Geoprobe Soil Boring Location (Advanced By Key Environmental)
- GW Groundwater Piezometer Well (Installed by Key Environmental)
- MW-2 Groundwater Monitoring Well (Installed by Key Environmental)
- (917.23) Groundwater Elevation in Feet (MSL)
- ← Groundwater Flow Direction



Environmental Associates, Inc.

|           |         |          |              |
|-----------|---------|----------|--------------|
| Drawn by: | RRG     | Drawing: | 97-06571-3   |
|           | 10-3-98 | File:    | 571-gfd1.cvs |

**FIGURE 3**  
**Former Clothes Clinic**  
**Groundwater Elevations**  
**and Flow Direction**  
**(July 8, 1998)**  
 Scale : 1" = 40'

S. Main Street

Table 1: Groundwater Analytical Data Result Summary, Selected Volatile Organic Compounds (VOC) - Former Clothes Clinic, 813 South Main Street, West Bend, Wisconsin

| Parameter   | Units | ES  | PAL  | Date     | MW-1  | MW-2   | MW-3   | MW-4    | MW-5    | P-1      |
|---|-------|-----|------|----------|-------|--------|--------|---------|---------|----------|
| <b>Detected Volatile Organic Compounds (EPA 8260 VOCs):</b> |       |     |      |          |       |        |        |         |         |          |
| <b>Benzene</b>  | ug/l  | 5.0 | 0.5  | 12/12/96 | --    | <0.082 | <0.082 | --      | --      | --       |
|   |       |     |      | 12/15/96 | <0.26 | --     | --     | --      | --      | --       |
|   |       |     |      | 3/20/97  | --    | --     | --     | <0.40   | --      | --       |
|   |       |     |      | 4/18/97  | --    | --     | --     | --      | 28      | 2.6      |
|   |       |     |      | 7/22/97  | <0.41 | <0.41  | <0.41  | <0.41   | <0.41   | <0.41    |
|   |       |     |      | 3/2/98   | <0.21 | <0.21  | <0.21  | <0.21   | <0.21   | --       |
|   |       |     |      | 7/8/98   | <0.32 | <0.32  | <0.32  | <0.32   | <0.32   | --       |
| <b>Toluene</b>  | ug/l  | 343 | 68.6 | 12/12/96 | --    | 1.1    | <0.69  | --      | --      | --       |
|   |       |     |      | 12/15/96 | <0.69 | --     | --     | --      | --      | --       |
|   |       |     |      | 3/20/97  | --    | --     | --     | <0.30   | --      | --       |
|   |       |     |      | 4/18/97  | --    | --     | --     | --      | 16      | 1.7      |
|   |       |     |      | 7/22/97  | <0.28 | <0.28  | <0.28  | <0.28   | <0.28   | <0.28    |
|   |       |     |      | 3/2/98   | <1.5  | <1.5   | <1.5   | <1.5    | <1.5    | --       |
|   |       |     |      | 7/8/98   | <0.35 | <0.35  | <0.35  | <0.35   | <0.35   | --       |
| <b>Ethylbenzene</b>   | ug/l  | 700 | 140  | 12/12/96 | --    | 0.9    | <0.32  | --      | --      | --       |
|   |       |     |      | 12/15/96 | <0.32 | --     | --     | --      | --      | --       |
|   |       |     |      | 3/20/97  | --    | --     | --     | <0.20   | --      | --       |
|   |       |     |      | 4/18/97  | --    | --     | --     | --      | 2.6     | 0.20 "J" |
|   |       |     |      | 7/22/97  | <0.23 | <0.23  | <0.23  | <0.23   | <0.23   | <0.23    |
|   |       |     |      | 3/2/98   | <0.68 | <0.68  | <0.68  | <0.68   | <0.68   | --       |
|   |       |     |      | 7/8/98   | <0.34 | <0.34  | <0.34  | <0.34   | <0.34   | --       |
| <b>Xylene</b>   | ug/l  | 620 | 124  | 12/12/96 | --    | 4.49   | 1.2    | --      | --      | --       |
|   |       |     |      | 12/15/96 | <1.23 | --     | --     | --      | --      | --       |
|   |       |     |      | 3/20/97  | --    | --     | --     | <0.80   | --      | --       |
|   |       |     |      | 4/18/97  | --    | --     | --     | --      | 17.1    | 1.7 "J"  |
|   |       |     |      | 7/22/97  | <0.79 | <0.79  | <0.79  | <0.79   | <0.79   | <0.79    |
|   |       |     |      | 3/2/98   | <1.78 | <1.78  | <1.78  | <1.78   | <1.78   | --       |
|   |       |     |      | 7/8/98   | <0.98 | <0.98  | <0.98  | <0.98   | <0.98   | --       |
| <b>Trimethylbenzene</b>                                     | ug/l  | 50  | 10   | 12/12/96 | --    | 1.3    | <1.14  | --      | --      | --       |
|   |       |     |      | 12/15/96 | <1.14 | --     | --     | --      | --      | --       |
|   |       |     |      | 3/20/97  | --    | --     | --     | 0.5 "J" | --      | --       |
|   |       |     |      | 4/18/97  | --    | --     | --     | --      | 5.6     | 0.7 "J"  |
|   |       |     |      | 7/22/97  | <0.55 | <0.55  | <0.55  | <0.55   | <0.55   | <0.55    |
|   |       |     |      | 3/2/98   | <1.86 | <1.86  | <1.86  | <1.86   | <1.86   | --       |
|   |       |     |      | 7/8/98   | <0.99 | <0.99  | <0.99  | <0.99   | <0.99   | --       |
| <b>Naphthalene</b>  | ug/l  | 40  | 8    | 12/12/96 | --    | 0.5    | <0.13  | --      | --      | --       |
|   |       |     |      | 12/15/96 | <0.41 | --     | --     | --      | --      | --       |
|   |       |     |      | 3/20/97  | --    | --     | --     | <0.70   | --      | --       |
|   |       |     |      | 4/18/97  | --    | --     | --     | --      | 0.7 "J" | <0.70    |
|   |       |     |      | 7/22/97  | <0.66 | <0.66  | <0.66  | <0.66   | <0.66   | <0.66    |
|   |       |     |      | 3/2/98   | <1    | <1     | <1     | <1      | <1      | --       |
|   |       |     |      | 7/8/98   | <0.88 | <0.88  | <0.88  | <0.88   | <0.88   | --       |
| <b>n-Propylbenzene</b>                                      | ug/l  | --  | --   | 12/12/96 | --    | 0.56   | <0.41  | --      | --      | --       |
|   |       |     |      | 12/15/96 | <0.41 | --     | --     | --      | --      | --       |
|   |       |     |      | 3/20/97  | --    | --     | --     | <0.30   | --      | --       |
|   |       |     |      | 4/18/97  | --    | --     | --     | --      | --      | --       |
|   |       |     |      | 7/22/97  | <0.27 | <0.27  | <0.27  | <0.27   | <0.27   | <0.27    |
|   |       |     |      | 3/2/98   | <0.4  | <0.4   | <0.4   | <0.4    | <0.4    | --       |
|   |       |     |      | 7/8/98   | <0.3  | <0.3   | <0.3   | <0.3    | <0.3    | --       |

**Table 1: Groundwater Analytical Data Result Summary, Selected Volatile Organic Compounds (VOC) - Former Clothes Clinic, 813 South Main Street, West Bend, Wisconsin**

| Parameter   | Units | ES  | PAL | Date     | MW-1  | MW-2  | MW-3   | MW-4    | MW-5     | P-1     |
|---|-------|-----|-----|----------|-------|-------|--------|---------|----------|---------|
| <b>Detected Volatile Organic Compounds (EPA 8260 VOCs):</b> |       |     |     |          |       |       |        |         |          |         |
| <b>1,1-Dichloroethene</b>                                   | ug/l  | 7   | 0.7 | 12/12/96 | --    | <0.12 | <0.12  | --      | --       | --      |
|   |       |     |     | 12/15/96 | <0.37 | --    | --     | --      | --       | --      |
|   |       |     |     | 3/20/97  | --    | --    | --     | <0.30   | --       | --      |
|   |       |     |     | 4/18/97  | --    | --    | --     | --      | <0.30    | 0.9 "J" |
|   |       |     |     | 7/22/97  | <0.28 | <0.28 | <0.28  | <0.28   | <0.28    | <0.28   |
|   |       |     |     | 3/2/98   | <0.13 | <0.13 | <0.13  | <0.13   | <0.13    | --      |
|   |       |     |     | 7/8/98   | <0.39 | <0.39 | <0.39  | <0.39   | <0.39    | --      |
| <b>Methyl-tert-butyl-ether (MTBE)</b>                       | ug/l  | 60  | 12  | 12/12/96 | --    | <0.69 | 6.8    | --      | --       | --      |
|   |       |     |     | 12/15/96 | <0.22 | --    | --     | --      | --       | --      |
|   |       |     |     | 3/20/97  | --    | --    | --     | <0.50   | --       | --      |
|   |       |     |     | 4/18/97  | --    | --    | --     | --      | <0.50    | <0.50   |
|   |       |     |     | 7/22/97  | <0.53 | <0.53 | 4.7    | <0.53   | <0.53    | <0.53   |
|   |       |     |     | 3/2/98   | <0.21 | 1.2   | 4.3    | <0.21   | <0.21    | --      |
|   |       |     |     | 7/8/98   | <0.31 | 2.6   | 1.5    | <0.31   | <0.31    | --      |
| <b>Tetrachloroethene</b>                                    | ug/l  | 5   | 0.5 | 12/12/96 | --    | 6.5   | <0.17  | --      | --       | --      |
|   |       |     |     | 12/15/96 | <0.56 | --    | --     | --      | --       | --      |
|   |       |     |     | 3/20/97  | --    | --    | --     | 1.0     | --       | --      |
|   |       |     |     | 4/18/97  | --    | --    | --     | --      | <0.30    | <0.30   |
|   |       |     |     | 7/22/97  | <0.27 | 8.0   | <0.27  | <0.27   | 0.41 "J" | <0.27   |
|   |       |     |     | 3/2/98   | <0.13 | 7.4   | <0.13  | 0.59    | <0.13    | --      |
|   |       |     |     | 7/8/98   | <0.35 | 8.2   | <0.35  | <0.35   | 0.39 "J" | --      |
| <b>Trichloroethylene</b>                                    | ug/l  | 5   | 0.5 | 12/12/96 | --    | 0.092 | <0.055 | --      | --       | --      |
|   |       |     |     | 12/15/96 | <0.18 | --    | --     | --      | --       | --      |
|   |       |     |     | 3/20/97  | --    | --    | --     | <0.20   | --       | --      |
|   |       |     |     | 4/18/97  | --    | --    | --     | --      | <0.20    | <0.20   |
|   |       |     |     | 7/22/97  | <0.20 | <0.20 | <0.20  | <0.20   | <0.20    | <0.20   |
|   |       |     |     | 3/2/98   | <0.13 | <0.13 | <0.13  | <0.13   | <0.13    | --      |
|   |       |     |     | 7/8/98   | <0.48 | <0.48 | <0.48  | <0.48   | <0.48    | --      |
| <b>1,1,1-Trichloroethane</b>                                | ug/l  | 200 | 40  | 12/12/96 | --    | <0.63 | <0.63  | --      | --       | --      |
|   |       |     |     | 12/15/96 | 6.7   | --    | --     | --      | --       | --      |
|   |       |     |     | 3/20/97  | --    | --    | --     | <0.30   | --       | --      |
|   |       |     |     | 4/18/97  | --    | --    | --     | --      | <0.30    | <0.30   |
|   |       |     |     | 7/22/97  | <0.27 | <0.27 | <0.27  | <0.27   | <0.27    | <0.27   |
|   |       |     |     | 3/2/98   | 7.9   | <0.37 | <0.37  | <0.37   | <0.37    | --      |
|   |       |     |     | 7/8/98   | 5.8   | <0.45 | <0.45  | 1.5 "J" | <0.45    | --      |

**Footnotes:**

ES = WAC NR 140.10 Groundwater Quality Enforcement Standard

PAL = WAC NR 140.10 Groundwater Quality Preventive Action Limit

< = Below Laboratory Detection Limit Given

-- = Not Analyzed, Not Installed, or No Established WAC NR 140.10 Groundwater Quality Standard

"J" = Analyte Detected between Laboratory Method of Detection and Method of Quantification



**Notes:**

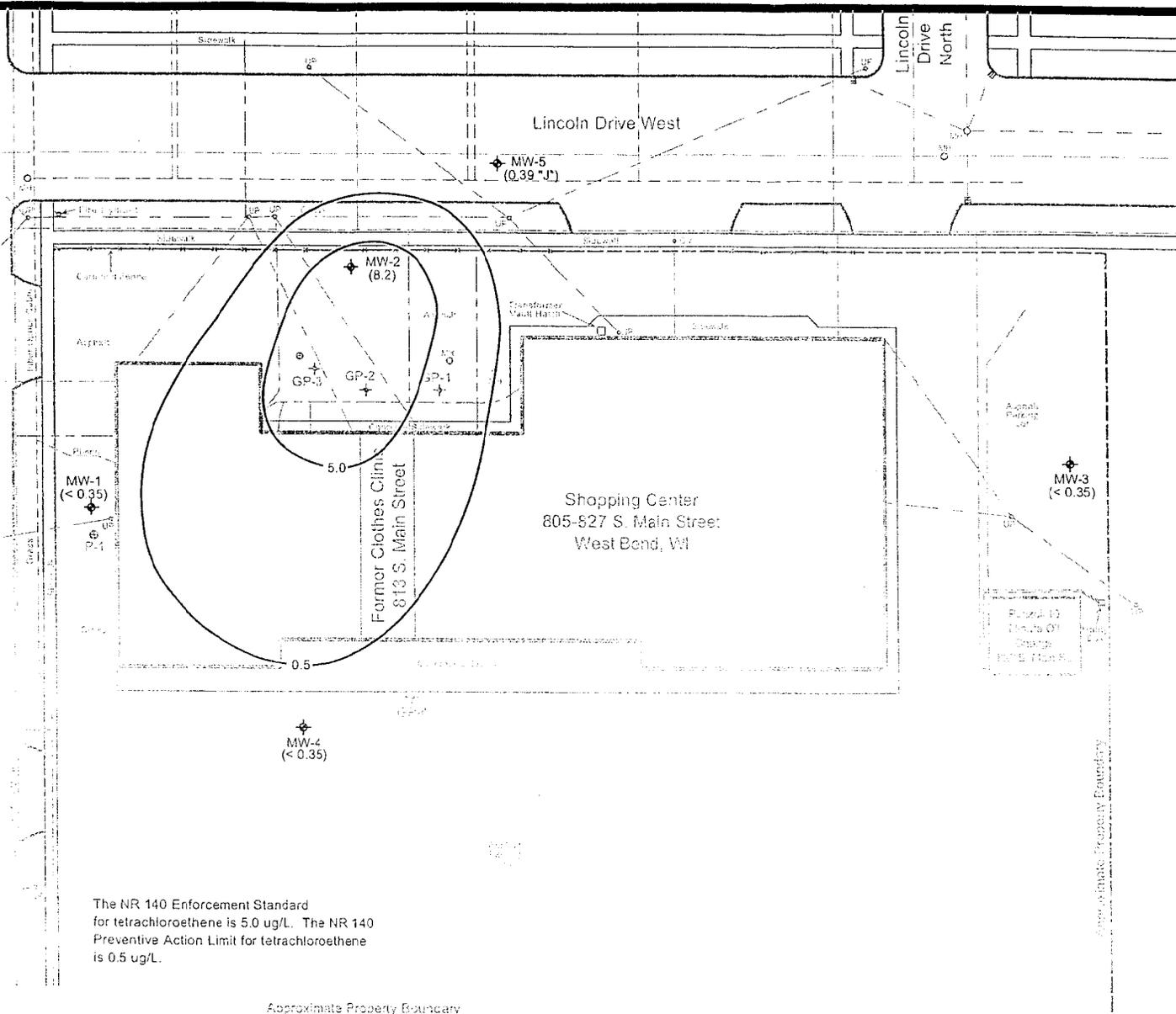
1. The Former Clothes Clinic is located at 813 S. Main Street in the City of West Bend, Washington County, Wisconsin in the NW 1/4 of the NW 1/4 of Section 24, Township 11N, Range 19E of the West Bend 7.5 minute quadrangle map.
2. The base map was adapted from a survey map done by Plat of Survey for Continental Properties Co., Inc. on December 26, 1995.

**LEGEND**

- Underground Natural Gas Line
- Underground Water Line
- Underground Electric Line
- Underground Telephone/Fiber Optic Line
- Sanitary Sewer
- Storm Sewer
- Overhead Utility Lines
- UP Utility Pole
- GV Gas Valve
- MH Manhole
- CB Catch Basin
- CB Catch Basin
- GP-1 Geoprobe Soil Boring Location (Advanced By Key Environmental)
- GP-2 Geoprobe Soil Boring Location (Advanced By Key Environmental)
- GP-3 Geoprobe Soil Boring Location (Advanced By Key Environmental)
- MW-1 Groundwater Piezometer Well (Installed by Key Environmental)
- MW-2 Groundwater Monitoring Well (Installed by Key Environmental)
- (8.2) Tetrachloroethene Concentration (ug/L)
- 5.0 — Tetrachloroethene Isoconcentration Line (ug/L) (Contour Interval - As Noted)
- "J" Analyte Detected between Limit of Detection and Limit of Quantification

**FIGURE 6**  
**Former Clothes Clinic**  
**Estimated Extent of**  
**Tetrachloroethene**  
**Groundwater Contamination**  
**(July 8, 1998)**

Scale : 1" = 40'



The NR 140 Enforcement Standard for tetrachloroethene is 5.0 ug/L. The NR 140 Preventive Action Limit for tetrachloroethene is 0.5 ug/L.

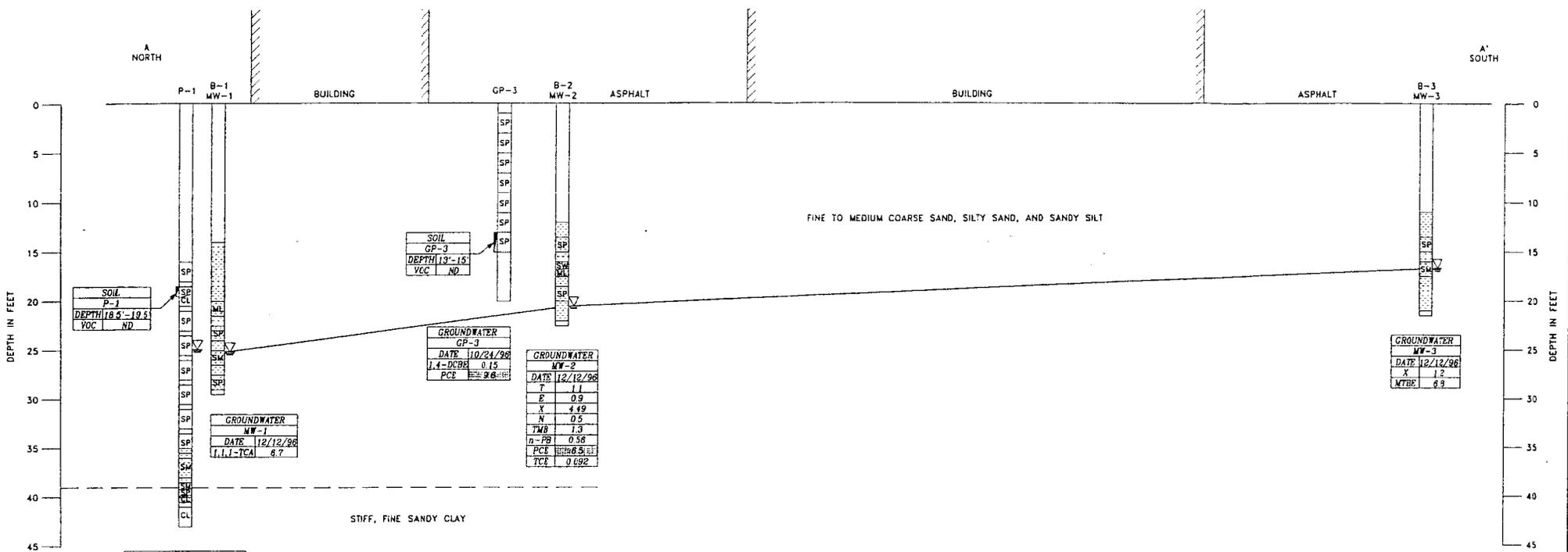
Approximate Property Boundary

Environmental Associates, Inc.

|           |         |          |              |
|-----------|---------|----------|--------------|
| Drawn by: | RRG     | Drawing: | 97-06571-6   |
|           | 10-8-98 | File:    | 571-tel3.cvs |

S. Main Street

SCHEMATIC CROSS-SECTION A-A'



| GROUNDWATER |           |
|-------------|-----------|
| P-1         |           |
| DATE        | DUPLICATE |
| 4/18/97     | 4/18/97   |
| E           | 2.0       |
| T           | 1.7       |
| E           | 0.2 (Q)   |
| X           | 1.7 (Q)   |
| TWB         | 0.7 (Q)   |
| I,1-DCB     | 0.9 (Q)   |

| GROUNDWATER |               |
|-------------|---------------|
| GP-3        |               |
| DATE        | CONCENTRATION |
| 10/24/98    | 0.15          |
| 1,1-DCB     | 0.15          |
| PCE         | 0.6 (Q)       |

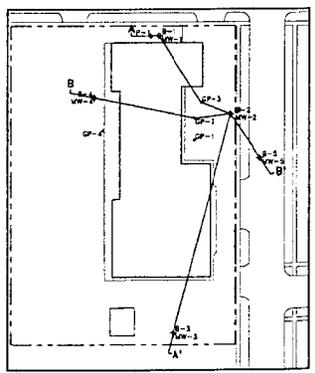
| GROUNDWATER |               |
|-------------|---------------|
| MW-2        |               |
| DATE        | CONCENTRATION |
| 12/12/98    | 1.1           |
| T           | 1.1           |
| E           | 0.9           |
| X           | 4.49          |
| N           | 0.5           |
| TWB         | 1.3           |
| N-PB        | 0.58          |
| PCP         | 0.06 (Q)      |
| TCE         | 0.692         |

| GROUNDWATER |               |
|-------------|---------------|
| MW-3        |               |
| DATE        | CONCENTRATION |
| 12/12/98    | 1.2           |
| X           | 1.2           |
| TWB         | 0.9           |

**SOIL NOTES**  
 VOC: VOLATILE ORGANIC COMPOUNDS, ug/l  
 ND: NO DETECTION

**GROUNDWATER NOTES**  
 B: BENZENE, ug/l  
 T: TOLUENE, ug/l  
 E: ETHYLBENZENE, ug/l  
 X: TOTAL XYLENES, ug/l  
 TWB: TOTAL TRIMETHYLBENZENES, ug/l  
 MTBE: METHYL TERTIARY BUTYL ETHER, ug/l  
 N: NAPHTHALENE, ug/l  
 P: p-PROPYLENE, ug/l  
 TCE: TETRACHLOROETHYLENE, ug/l  
 I,1,1-TCF: 1,1,1-TRICHLOROETHANE, ug/l  
 I,1,2-TCF: 1,1,2-TRICHLOROETHANE, ug/l  
 I,1-DCE: 1,1-DICHLOROETHYLENE, ug/l  
 I,2-DCE: 1,2-DICHLOROETHYLENE, ug/l  
 ug/l: MICROGRAMS PER LITER  
 (Q): CONCENTRATION BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTIFICATION

**LEGEND**  
 GROUNDWATER LEVEL (4/18/97)  
 SAMPLE INTERVAL  
 SCREEN INTERVAL  
 CONCENTRATION GREATER THAN NR 140 ENFORCEMENT STANDARD



CROSS-SECTION LOCATION MAP

USCS SOIL CLASSIFICATION

| COARSE-GRAINED SOILS                             |   | FINE-GRAINED SOILS  |   |
|--|---|---|---|
| CLEAN GRAVELS (LITTLE OR NO FINES)               | GW: WELL-SORTED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES | ML: INORGANIC SILTS AND CLAYS, FINE SANDS, ROCK FRACTION, OR SILTY SILTS WITH SILTY CLAYEST | CL: INORGANIC SILTS AND CLAYS, LIQUID LIMIT (LESS THAN 50)                |
| GRAVELS WITH FINES (UNREMOVABLE AMOUNT OF FINES) | GM: SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES                      | OL: ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY                                 | MH: INORGANIC SILTS, MEDIUM OR HIGH PLASTICITY, FINE SANDS OR SILTY SOILS |
| CLEAN SANDS (LITTLE OR NO FINES)                 | SW: WELL-SORTED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES         | CH: INORGANIC SILTS AND CLAYS, LIQUID LIMIT (GREATER THAN 50)                               | OH: ORGANIC SILTS AND CLAYS OF HIGH PLASTICITY                            |
| SANDS WITH FINES (UNREMOVABLE AMOUNT OF FINES)   | SM: SILTY SANDS, SAND-SILT MIXTURES                               | FI: HEAVY HEAVY CLAY SOILS, WITH HIGH ORGANIC CONTENTS                                      | HI: HIGHLY ORGANIC SOILS  |
|  | SC: CLAYEY SANDS, SAND-CLAY MIXTURES                              | FI: HEAVY HEAVY CLAY SOILS, WITH HIGH ORGANIC CONTENTS                                      | HF: HIGHLY ORGANIC FILL MATERIALS   |

| DATE | REVISIONS | INI. |
|------|-----------|------|
|      |           |      |
|      |           |      |

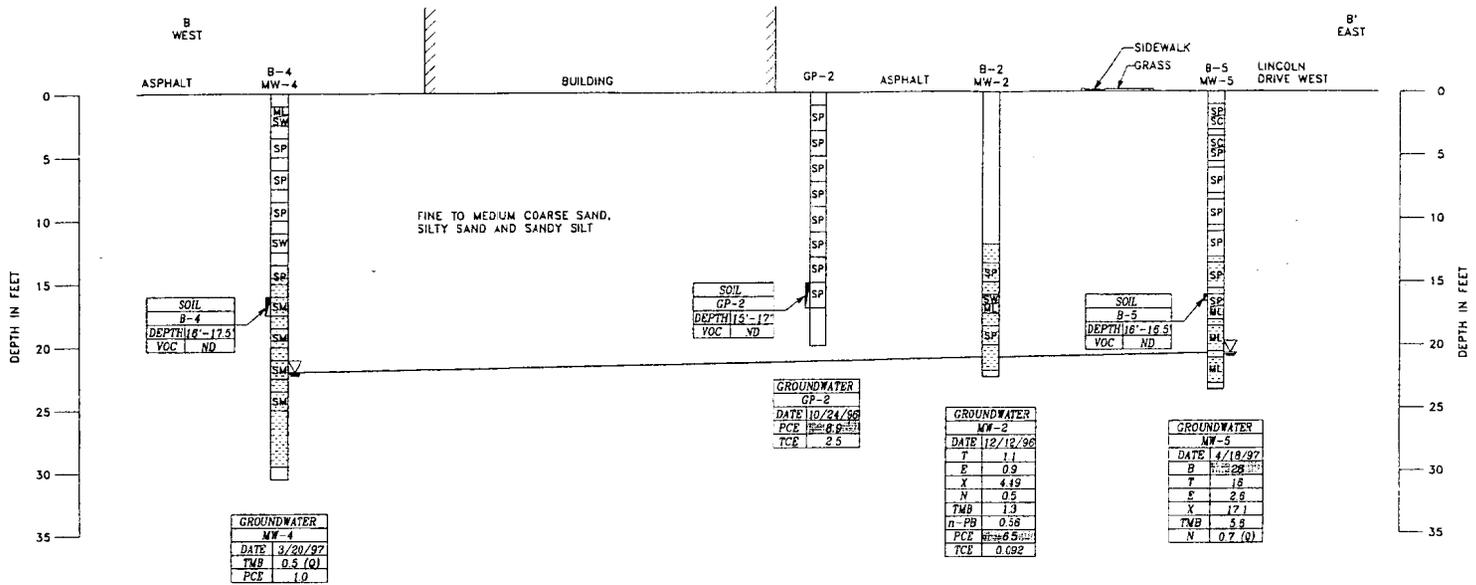
FIGURE 4  
SCHEMATIC CROSS-SECTION A-A'

SI/RAO REPORT  
 SHOPPING CENTER  
 805-827 SOUTH MAIN STREET  
 WEST BEND, WISCONSIN

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 DRN. BY: S.L.G. DATE: 05/22/97  
 DSN. BY: C.M.H. FILE NO.: 0509007  
 CHK. BY: C.M.H. DWG. NO.: 0509007B  
 REV. BY: G.L.J. SHEET NO.: 4

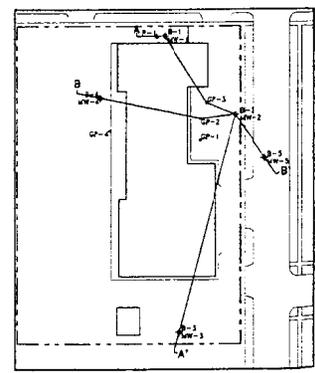
**Key ENVIRONMENTAL SERVICES, INC.**  
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 6218 Washington Ave. - Racine, WI 53408 - (414) 886-4439

**SCHEMATIC CROSS-SECTION B-B'**



USCS SOIL CLASSIFICATION

| COARSE-GRAINED SOILS                            |  | FINE-GRAINED SOILS   |   |
|---|--|--|---|
| CLEAN GRAVELS<br>(LITTLE OR NO FINES)           | GW WELL-SORTED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES   | ML SILTS AND CLAYS LIQUID LIMIT (LESS THAN 50)   | MLH INORGANIC SILTS AND HEAVY FINE SANDS, SILTY SANDS OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY |
| GRAVELS WITH FINES<br>(SMALLER AMOUNT OF FINES) | GM POORLY-SORTED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES | CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, SILTY CLAYS, SANDY SILTY CLAYS, LEAN CLAYS | CLH INORGANIC CLAYS OF HIGH TO MEDIUM PLASTICITY, SILTY SANDY SILTY CLAYS, SANDY SILTY CLAYS                      |
| CLEAN SANDS<br>(LITTLE OR NO FINES)             | SW WELL-SORTED SANDS, CLEANLY SANDS, LITTLE OR NO FINES            | MH INORGANIC SILTS, MUCOUS OR DISPERSED, FINE SANDY OR SILTY SOILS                         | CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS (GREATER THAN 500)   |
| SANDS WITH FINES<br>(SMALLER AMOUNT OF FINES)   | SM SILTY SANDS, SAND-SILT MIXTURES                                 | OH ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS                               | PH HEAVY, HUMUS, SWAMP SOILS, WITH HIGH PLASTICITY, ORGANIC SILTS   |
|   | SC CLAYEY SANDS, SAND-CLAY MIXTURES                                |  | FI HIGH-INDEGENOUS FILL MATERIALS   |



**SOIL NOTES:**  
 VOC: VOLATILE ORGANIC COMPOUNDS, ug/kg  
 ND: NO DETECTION

**GROUNDWATER NOTES:**  
 B: BENZENE, ug/l  
 T: TOLUENE, ug/l  
 E: ETHYLBENZENE, ug/l  
 X: TOTAL XYLENES, ug/l  
 TMB: TOTAL TRIMETHYLBENZENES, ug/l  
 MTBE: METHYL TERTIARY BUTYL ETHER, ug/l  
 N: NAPHTHALENE, ug/l  
 n-PB: n-PROPYLBENZENE, ug/l  
 PCE: TETRACHLOROETHYLENE, ug/l  
 TCE: TRICHLOROETHYLENE, ug/l  
 1,1,1-TCA: 1,1,1-TRICHLOROETHANE, ug/l  
 1,1,2-TCA: 1,1,2-TRICHLOROETHANE, ug/l  
 1,4-DCE: 1,4-DICHLOROETHYLENE, ug/l  
 1,1-DCE: 1,1-DICHLOROETHYLENE, ug/l  
 ug/l: MICROGRAMS PER LITER  
 (Q): CONCENTRATION BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTIFICATION

**LEGEND**

▽ GROUNDWATER LEVEL (4/18/97)

▬ SAMPLE INTERVAL

▬ SCREEN INTERVAL

☐ CONCENTRATION GREATER THAN NR 140 ENFORCEMENT STANDARD

| DATE | REVISIONS | INITIALS |
|------|-----------|----------|
|      |           |          |
|      |           |          |

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

**FIGURE 5**  
**SCHEMATIC CROSS-SECTION B-B'**

SI/RAO REPORT  
 SHOPPING CENTER  
 805-827 SOUTH MAIN STREET  
 WEST BEND, WISCONSIN

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|          |        |            |          |
|----------|--------|------------|----------|
| DRN. BY: | S.L.G. | DATE:      | 05/06/97 |
| DSN. BY: | C.M.H. | FILE NO.:  | 2609007  |
| CHK. BY: | C.M.H. | DWG. NO.:  | 26090079 |
| REV. BY: | G.L.J. | SHEET NO.: | 5        |

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 6218 Washington Ave. - Racine, WI 53106 - (414) 366-4439