

SITE NAME: WDOT Rockbridge CTH D
BRRTS #: 03-53-256043 FID # (if appropriate):
COMMERCE # (if appropriate):
CLOSURE DATE: 09-Nov-06
STREET ADDRESS: Right-Of-Way at Intersection of CTH D and STH 80
CITY: Rockbridge

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 490705 Y= 330255

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): Yes No

IF YES, STREET ADDRESS 1:

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 on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.
- 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) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour
- Geologic cross-sections, if required for SI. (8.5x14" if paper copy)
- 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)(public, highway or railroad ROW)
- Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

November 9, 2006

Mr. Robert Pearson
Wisconsin Department of Transportation
4802 Sheboygan Avenue
P.O. Box 7910
Madison, WI 53707-7910

SUBJECT: Final Case Closure
WDOT Rockbridge, Right-of-Way of State Highway 80 and CTH D,
Rockbridge, WI
WDNR BRRTS Activity # 03-53-256043

Dear Mr. Pearson:

On October 9, 2006, the South Central Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On October 11, 2006, you were notified that the Closure Committee had granted conditional closure to this case.

On November 3, 2006, the Department received correspondence indicating that you have complied with the requirements of closure. The conditions of closure were abandonment of monitoring wells and the notification of the municipality where the right-of-way is located of the presence of residual soil and groundwater impacts within the right-of-way. Based on the correspondence and data provided, it appears that groundwater monitoring wells MW-1, MW-2 and MW-3 were lost during road reconstruction activities within the right-of-way. However, all other conditions for closure were met and your case has been remediated to Department standards in accordance with s. 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.

Residual soil contamination remains in the former underground storage tank and pump island locations and at soil borings SB3 and SB6 as indicated in the information submitted to the Department of Natural Resources and shown on Attachment 1. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Groundwater monitoring wells MW-1, MW-2 and MW-3, which were installed in the right-of-way and are shown on Attachment 1, could not be found and were likely damaged during roadway construction, as indicated in the information submitted to the Department of Natural Resources. If the monitoring wells described above are found during road work in the future, the Wisconsin Department of Transportation will be required to properly abandon the wells in compliance with the requirements in ch. NR 141 Wis. Adm. Code.

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact me at 608-275-3241.

Sincerely,



Patrick McCutcheon
South Central Region
Remediation & Redevelopment Team Supervisor

cc: Betty Socha, BT², 2830 Dairy Drive, Madison, WI 53718-6751
Case File



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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October 11, 2006

Bob Pearson
Wisconsin Department of Transportation
4802 Sheboygan Avenue
PO Box 7965
Madison, WI 53707-7965

Subject: Conditional Closure Decision With Requirements to Achieve Final Closure
WI DOT Rockbridge CTH D, Right-of-Way of CTH D and STH 80, Rockbridge,
Wisconsin
WDNR BRRTS Activity # 03-53-256043

Dear Mr. Pearson:

On October 9, 2006, the South Central Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site from the vicinity of the former underground storage tanks and pump islands in the current right-of-way appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department of Natural Resources.

There is residual soil and/or groundwater contamination in a public street or highway right-of-way at this site (the site is the right-of-way). Section NR 726.05(2)(a)4, Wis. Adm. Code, requires you to provide written notification of the presence of residual soil (and groundwater contamination, if present) to the clerk of the town and county or municipality where the right-of-way is located and to the municipal department or state agency that maintains the right-of-way. Section NR 726.05(2)(b)4, Wis. Adm. Code, requires you to also provide written notice of the presence of residual groundwater contamination to the owner of any properties that you do not own within this site that do not have soil contamination if they are affected by groundwater contamination. These notifications must include warnings that excavation of potentially contaminated soil or groundwater may pose inhalation or other direct contact hazards and will require soil and groundwater sampling and analysis, as well as proper storage, treatment, or disposal of any excavated materials, based upon the results of the analysis. Please provide me with a copy of any written notifications that have been sent.

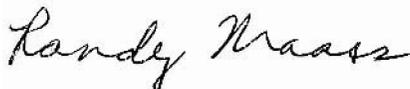
When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

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

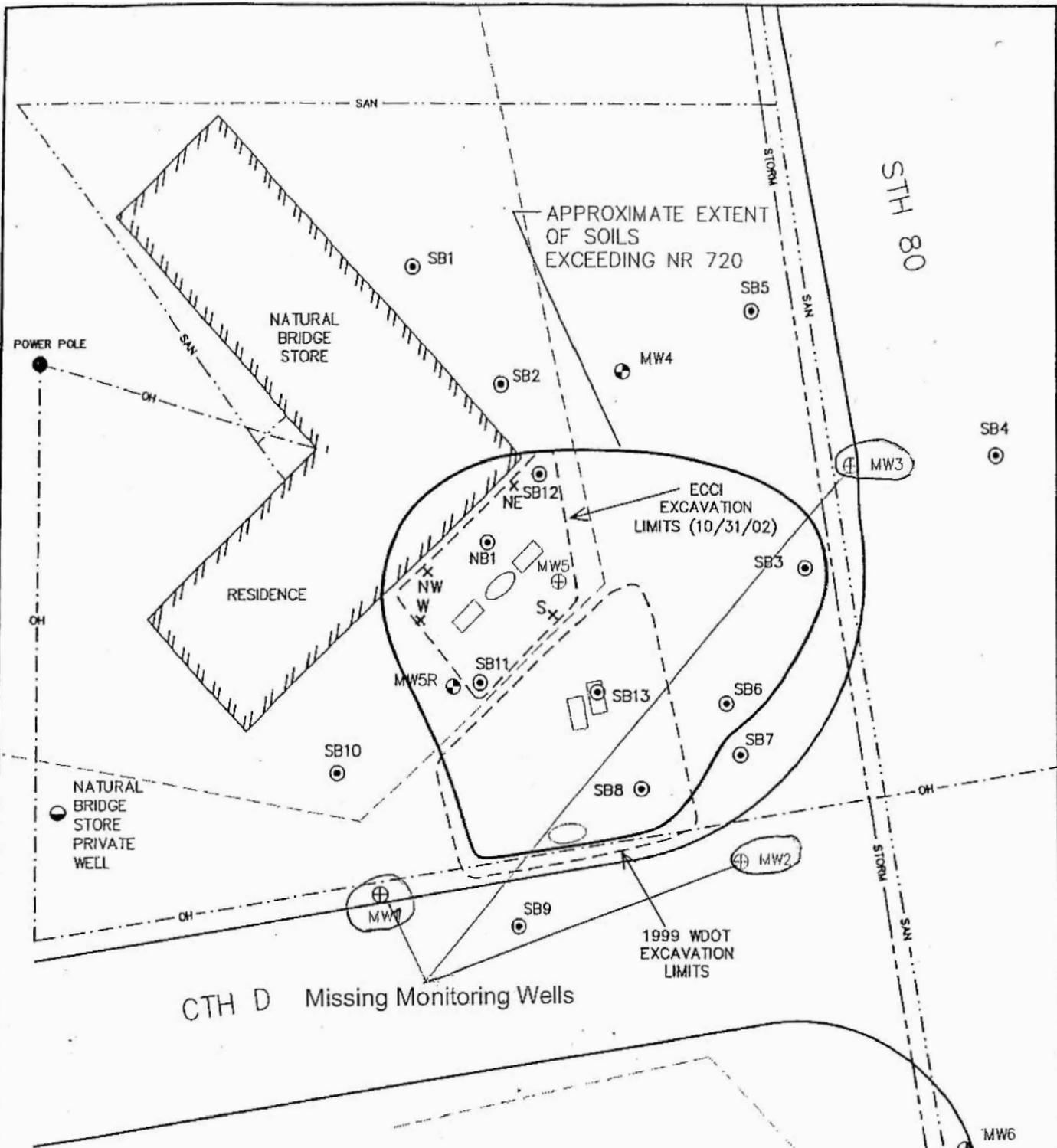
We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (608) 275-3224.

Sincerely,



Randy Maass
Hydrogeologist
Bureau for Remediation & Redevelopment

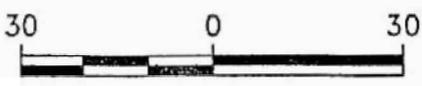
cc: Betty Socha, BT2 Inc., 2830 Dairy Drive, Madison, WI 53718-6751
Ralph Smith, Wisconsin Department of Commerce (via email)
Wendy Weihemuller, DNR



CTH D Missing Monitoring Wells

LEGEND

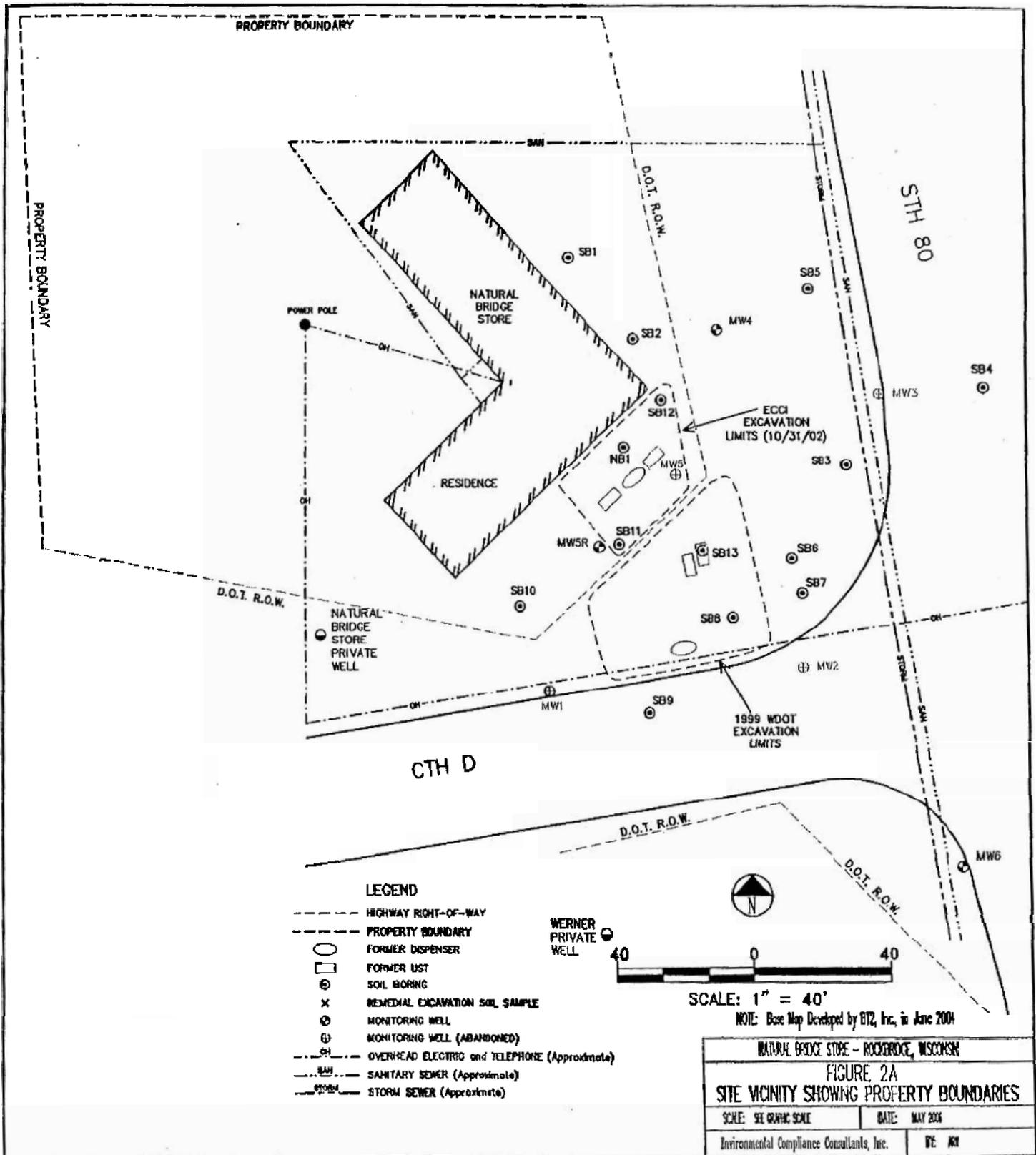
- HIGHWAY RIGHT-OF-WAY
- FORMER DISPENSER
- FORMER UST
- SOIL BORING
- REMEDIAL EXCAVATION SOIL SAMPLE
- MONITORING WELL
- MONITORING WELL (ABANDONED)
- OVERHEAD ELECTRIC and TELEPHONE (Approximate)
- SANITARY SEWER (Approximate)
- STORM SEWER (Approximate)
- WERNER PRIVATE WELL



SCALE: 1" = 30'

NOTE: Base Map Developed by BT2, Inc., in June 2004

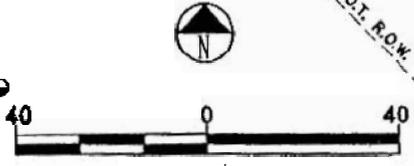
NATURAL BRIDGE STORE - ROCKBRIDGE, WISCONSIN	
ATTACHMENT 1	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2006
Environmental Compliance Consultants, Inc.	BY: ARW



LEGEND

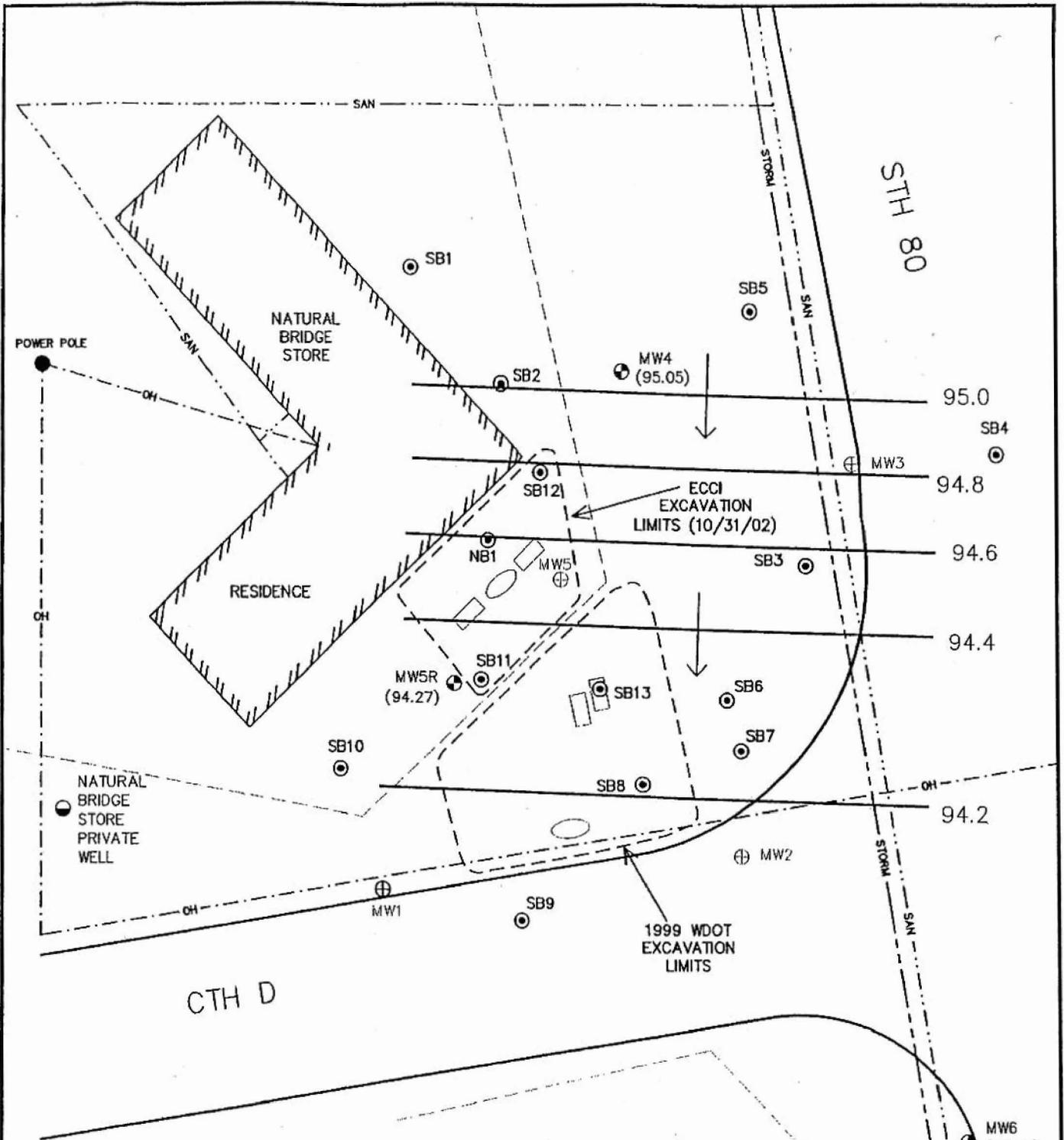
- - - - - HIGHWAY RIGHT-OF-WAY
- - - - - PROPERTY BOUNDARY
- FORMER UST
- FORMER UST
- ⊙ SOIL BORING
- x REMEDIAL EXCAVATION SOIL SAMPLE
- ⊕ MONITORING WELL
- ⊖ MONITORING WELL (ABANDONED)
- OH- OVERHEAD ELECTRIC and TELEPHONE (Approximate)
- SAN- SANITARY SEWER (Approximate)
- STORM- STORM SEWER (Approximate)

WERNER PRIVATE WELL



SCALE: 1" = 40'
 NOTE: Base Map Developed by BTZ, Inc. in June 2001

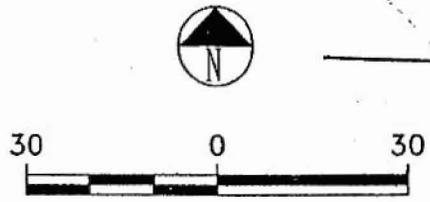
NATURAL BRIDGE STORE - ROCKFORD, WISCONSIN	
FIGURE 2A	
SITE VICINITY SHOWING PROPERTY BOUNDARIES	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2004
Environmental Compliance Consultants, Inc.	BY: JAY



LEGEND

- HIGHWAY RIGHT-OF-WAY
- FORMER DISPENSER
- FORMER UST
- SOIL BORING
- REMEDIAL EXCAVATION SOIL SAMPLE
- MONITORING WELL
- MONITORING WELL (ABANDONED)
- OVERHEAD ELECTRIC and TELEPHONE (Approximate)
- SANITARY SEWER (Approximate)
- STORM SEWER (Approximate)
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER CONTOUR
- (94.08) GROUNDWATER ELEVATION

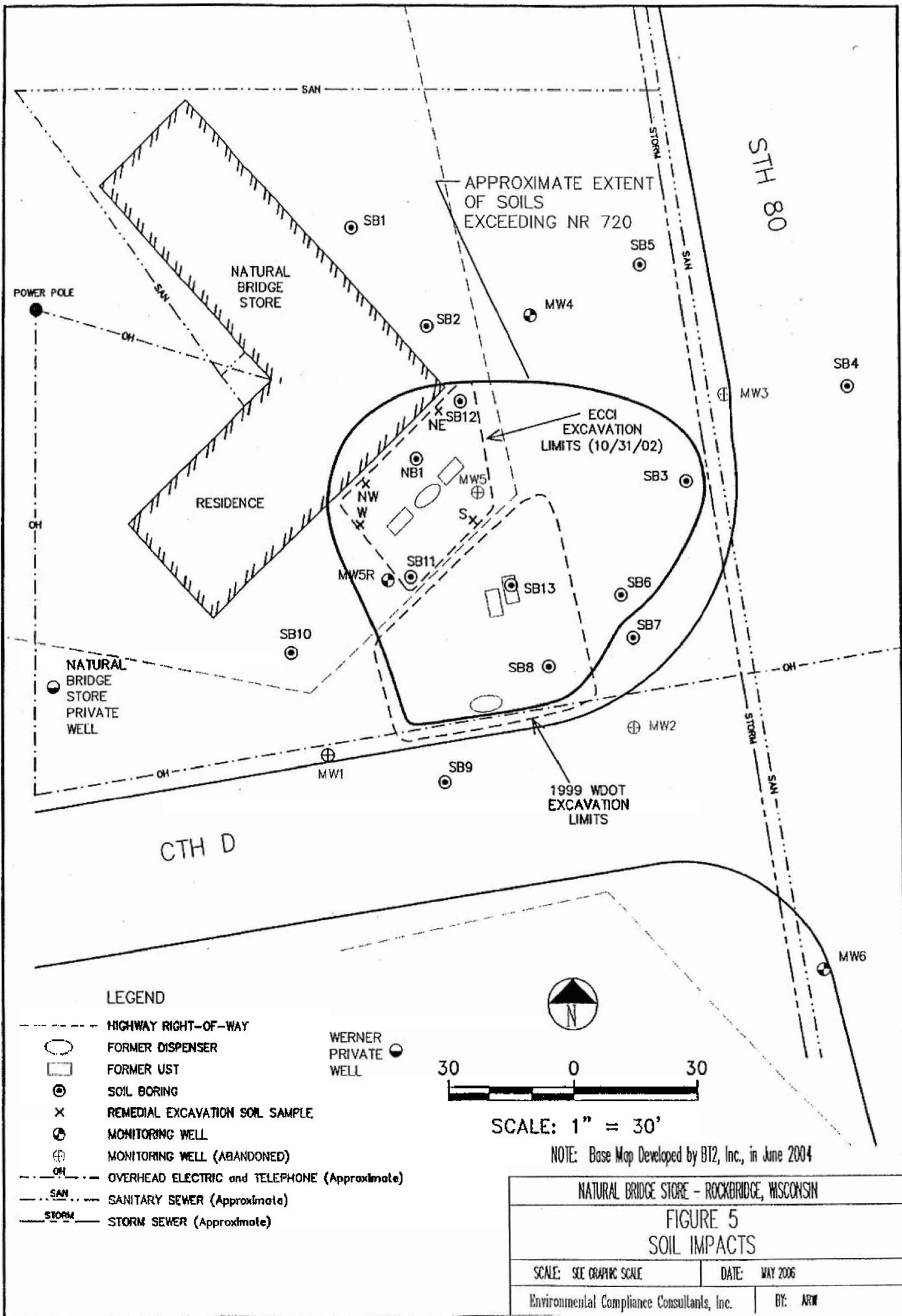
WERNER PRIVATE WELL



SCALE: 1" = 30'

NOTE: Base Map Developed by BT2, Inc., in June 2004

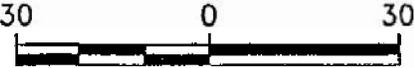
NATURAL BRIDGE STORE - ROCKBRIDGE, WISCONSIN	
FIGURE 4	
GROUNDWATER CONTOUR MAP (5/24/05)	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2006



LEGEND

- - - - - HIGHWAY RIGHT-OF-WAY
- FORMER DISPENSER
- FORMER UST
- ⊙ SOIL BORING
- × REMEDIAL EXCAVATION SOIL SAMPLE
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL (ABANDONED)
- - - - - OH OVERHEAD ELECTRIC and TELEPHONE (Approximate)
- - - - - SAN SANITARY SEWER (Approximate)
- - - - - STORM STORM SEWER (Approximate)

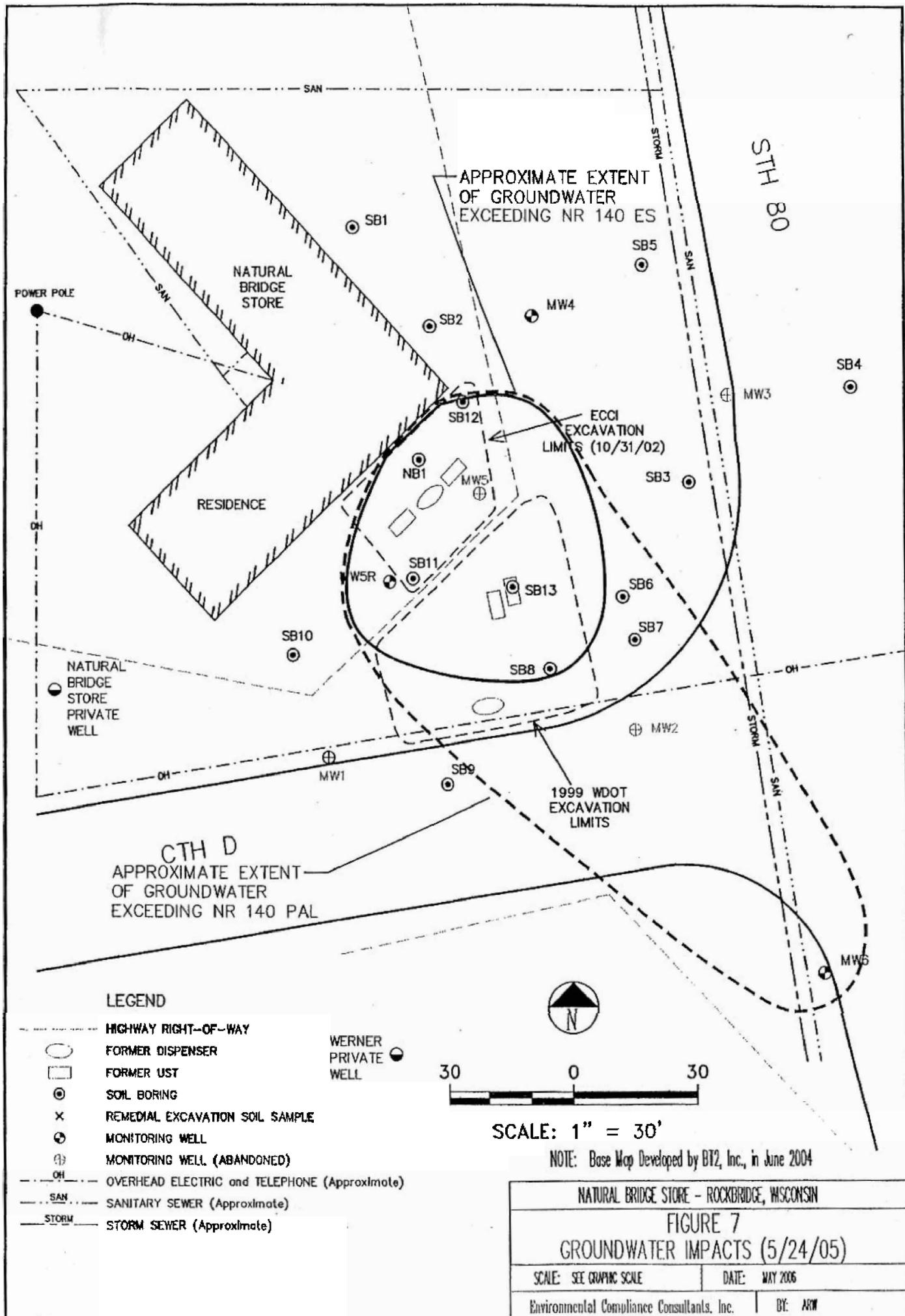
WERNER PRIVATE WELL



SCALE: 1" = 30'

NOTE: Base Map Developed by BT2, Inc., in June 2004

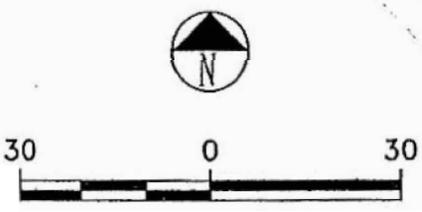
NATURAL BRIDGE STORE - ROCKBRIDGE, WISCONSIN	
FIGURE 5 SOIL IMPACTS	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2006
Environmental Compliance Consultants, Inc.	BY: ARW



LEGEND

- - - - - HIGHWAY RIGHT-OF-WAY
- FORMER DISPENSER
- FORMER UST
- ⊙ SOIL BORING
- x REMEDIAL EXCAVATION SOIL SAMPLE
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL (ABANDONED)
- - - - - OH OVERHEAD ELECTRIC and TELEPHONE (Approximate)
- - - - - SAN SANITARY SEWER (Approximate)
- - - - - STORM STORM SEWER (Approximate)

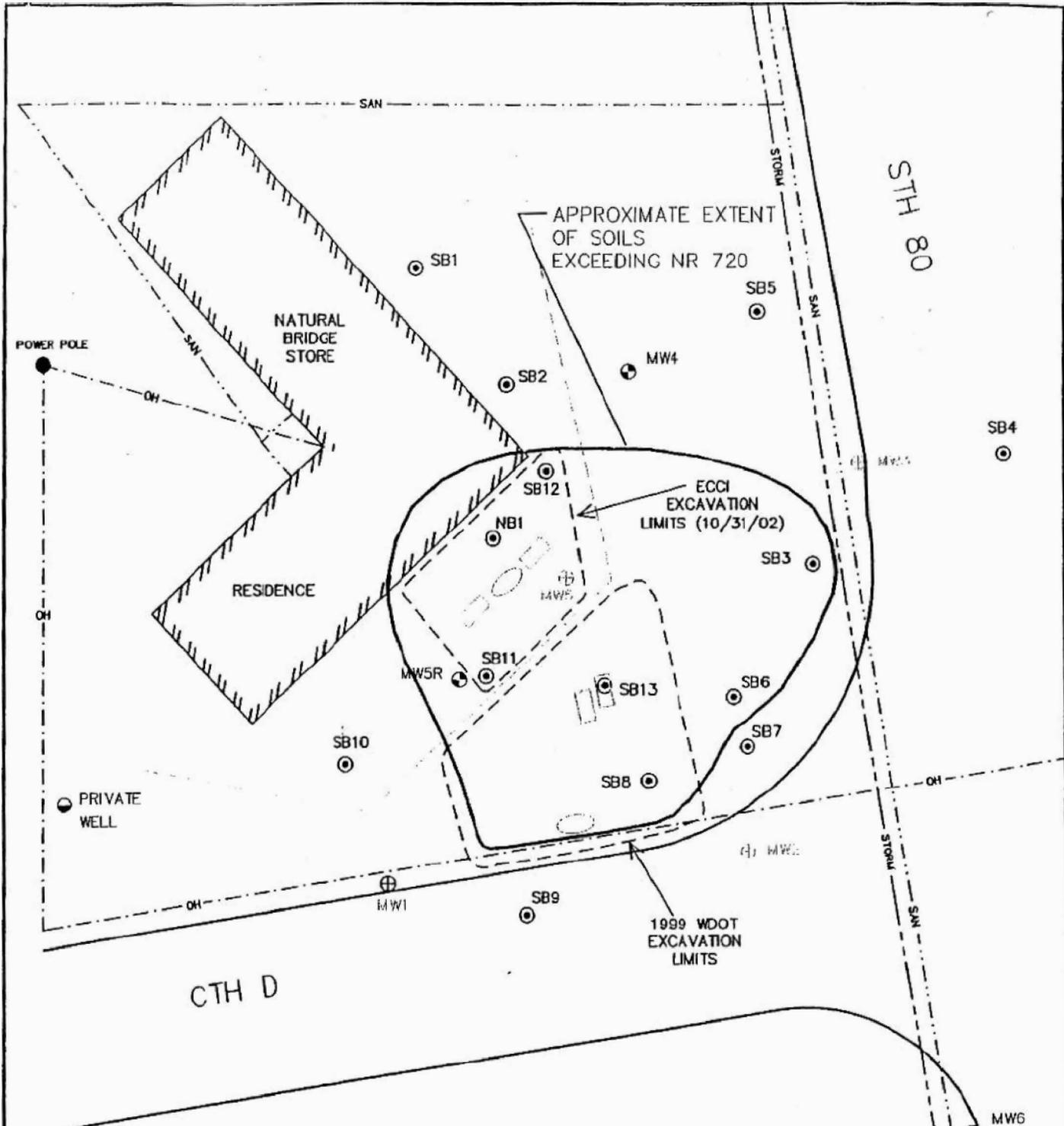
WERNER PRIVATE WELL ⊕



SCALE: 1" = 30'

NOTE: Base Map Developed by BT2, Inc., in June 2004

NATURAL BRIDGE STORE - ROCKBRIDGE, WISCONSIN	
FIGURE 7	
GROUNDWATER IMPACTS (5/24/05)	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2006
Environmental Compliance Consultants, Inc.	BY: ARW



LEGEND

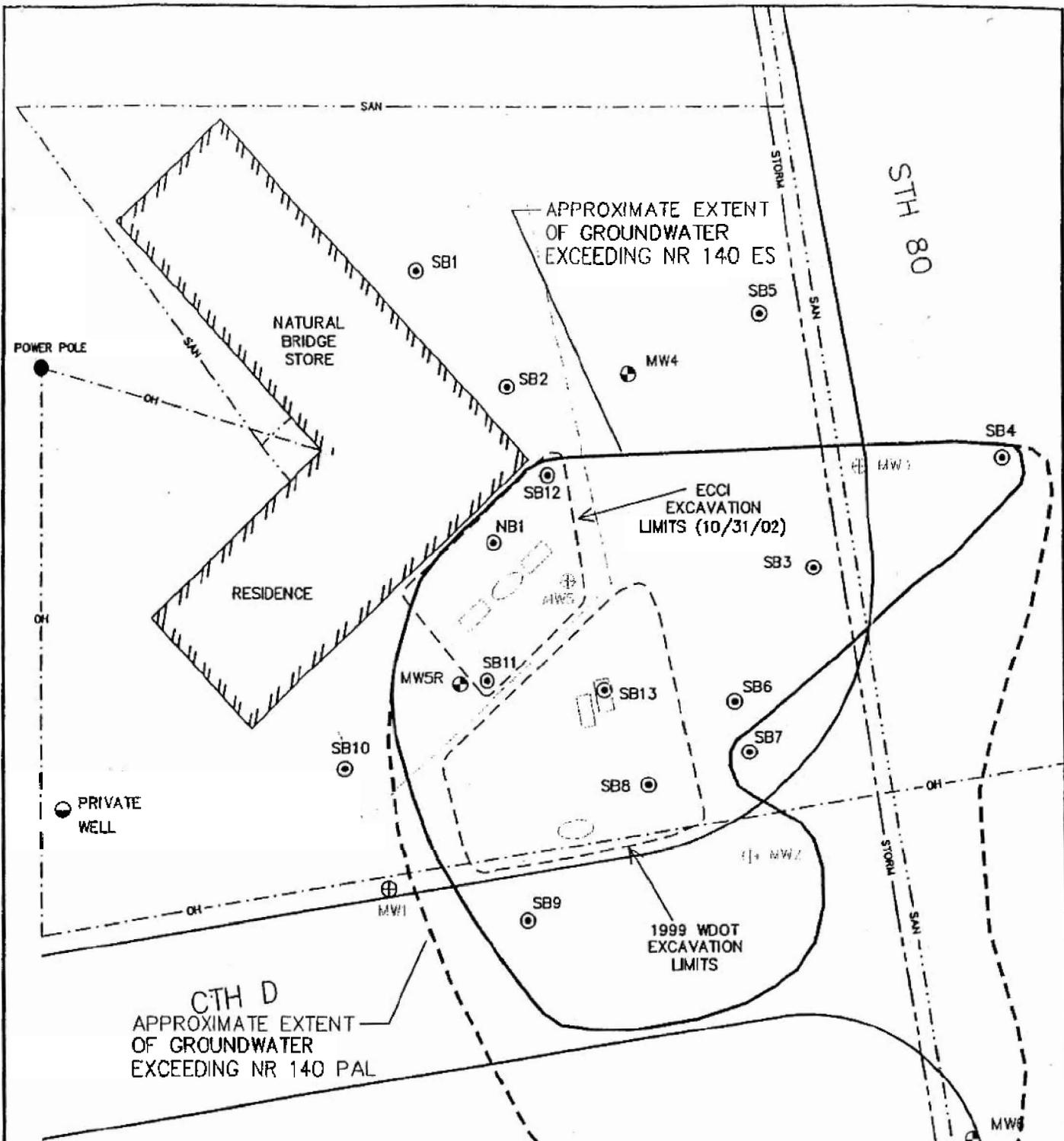
- HIGHWAY RIGHT-OF-WAY
- FORMER DISPENSER
- FORMER UST
- ⊙ SOIL BORING
- ⊕ MONITORING WELL
- ⊕ MONITORING WELL (ABANDONED)
- OH --- OVERHEAD ELECTRIC and TELEPHONE (Approximate)
- SAN --- SANITARY SEWER (Approximate)
- STORM --- STORM SEWER (Approximate)



SCALE: 1" = 30'

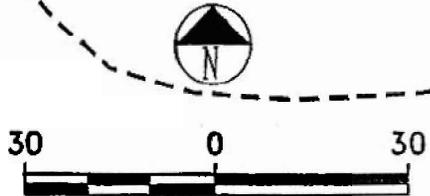
NOTE: Basemap developed by B32, Inc. in June 2004

NATURAL BRIDGE STORE - ROCKBRIDGE, WISCONSIN	
FIGURE 2 SOIL IMPACTS	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2006



LEGEND

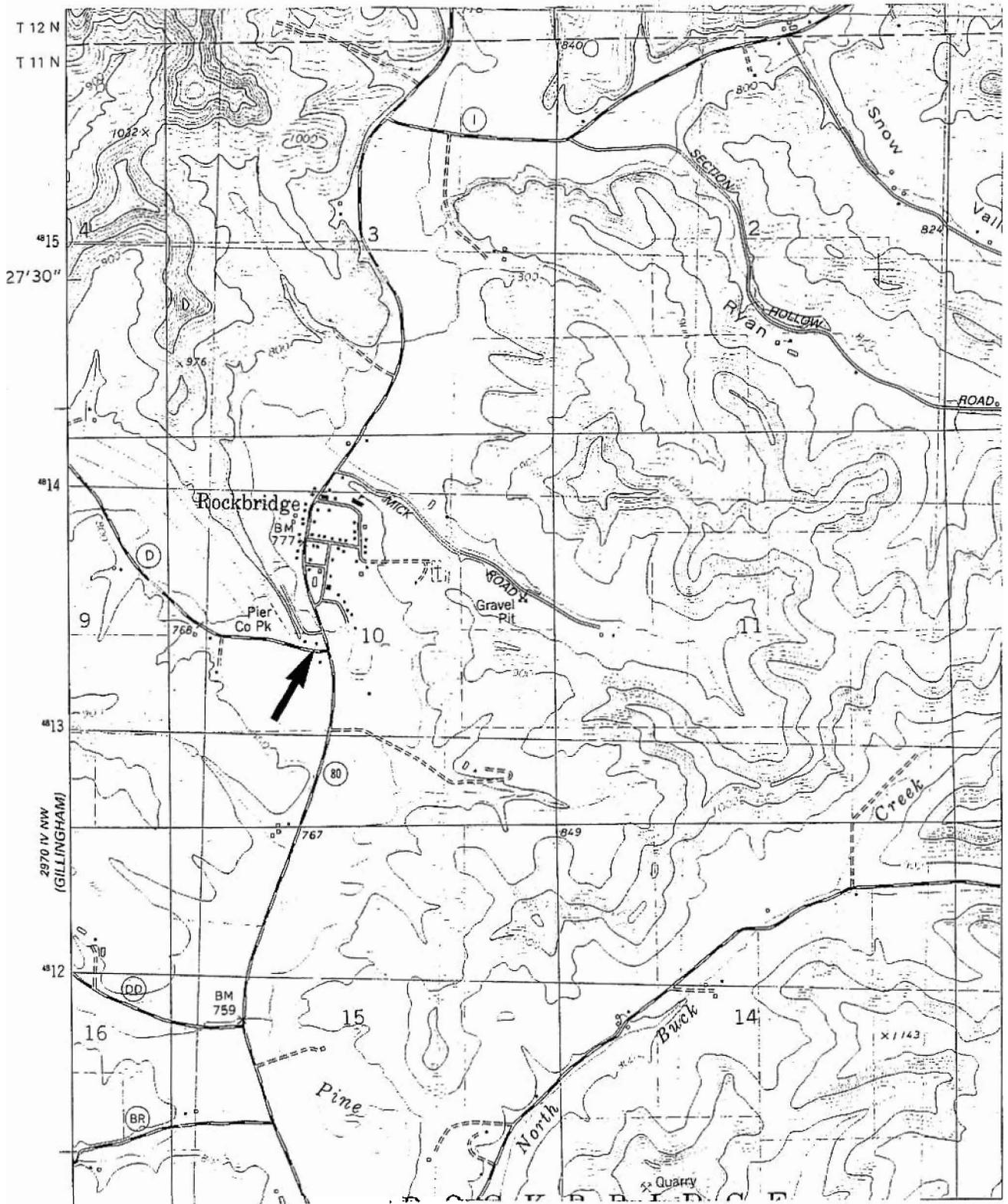
- HIGHWAY RIGHT-OF-WAY
- FORMER DISPENSER
- FORMER UST
- SOIL BORING
- MONITORING WELL
- MONITORING WELL (ABANDONED)
- OVERHEAD ELECTRIC and TELEPHONE (Approximate)
- SANITARY SEWER (Approximate)
- STORM SEWER (Approximate)



SCALE: 1" = 30'

NOTE: Basemap developed by BT2, Inc. in June 2004

NATURAL BRIDGE STORE - ROCKBRIDGE, WISCONSIN	
FIGURE 3 GROUNDWATER IMPACTS	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2005



NOTE: Taken from the
 USGS Rockbridge, Wis
 7.5 Minute USGS
 Topographic Map 1983

Natural Bridge Store - Rockbridge, Wi	
FIGURE 1 SITE LOCATION MAP	
SCALE: 1" = 2000'	DATE: May, 2000
Environmental Compliance Consultants, Inc	BY: R. Atkinson

TABLE 1

Natural Bridge Store, Natural Bridge, Wisconsin
Groundwater Analytical Results

Sample Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total TMBs	MTBE	Naphthalene	1,2-DCA	EDB	*Lead
MW-1										
3/28/1998	<0.27	<0.32	<0.27	<0.67	<0.67	<0.49	<0.35	<0.37	<0.39	NA
7/29/1998	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
12/4/1998	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
8/30/1999	[0.73]	<0.32	[0.34]	<0.67	<0.49	1.4	NA	<0.37	NA	NA
MW-2										
3/28/1998	17	<1.6	<1.4	<3.3	<2.5	400	<1.7	17	<1.9	NA
7/29/1998	140	[2.4]	[1.1]	<6.6	<7.0	830	NA	NA	NA	NA
12/4/1998	[6.2]	<2.4	<2.1	<13.4	<14.0	900	NA	NA	NA	NA
MW-3										
3/28/1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.35	<0.37	<0.39	NA
7/29/1998	<0.26	<0.24	<0.21	<1.34	<1.4	[0.45]	NA	NA	NA	NA
12/4/1998	<0.26	<0.24	<0.21	<1.34	<1.4	0.71	NA	NA	NA	NA
8/30/1999	[0.27]	<0.32	[0.31]	<0.67	<0.49	[0.96]	NA	<0.37	NA	NA
MW-4										
3/28/1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.35	<0.37	<0.39	NA
7/29/98	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
12/4/98	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
8/30/99	[0.31]	<0.32	<0.27	<0.67	<0.49	<0.32	NA	<0.37	NA	NA
1/19/00	<0.44	<0.50	<0.40	<1.31	<0.92	<0.44	NA	<0.54	<0.49	NA
6/8/01	<0.45	<0.82	<0.68	<2.47	<1.86	<0.43	NA	NA	NA	NA
10/31/02	<0.45	<0.82	<0.68	<2.47	<1.86	<0.43	NA	NA	NA	NA
2/4/04	<0.30	<0.60	<0.58	<1.84	<1.18	<0.58	NA	NA	NA	NA
5/18/04	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	NA	NA	NA	NA
2/18/05	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	NA	NA	NA	NA
5/24/05	<0.31	<0.50	<0.30	<0.92	<0.71	<0.30	NA	NA	NA	NA
MW-5										
3/28/1998	4000	380	4900	1700	260	15000	<35	160	<39	NA
7/29/98	41000	3200	45000	14400	2450	36000	NA	NA	NA	NA
12/4/98	39000	2900	39000	13000	2220	36000	NA	NA	NA	NA
8/30/99	43000	3000	50000	15800	2540	30000	NA	2000	NA	NA
1/19/00	42000	3100	46000	14500	2420	34000	NA	<140	<120	NA
6/8/01	40000	2600	52000	13300	1100	18000	[310]	<110	NA	NA
10/31/02	30000	2300	38000	13000	1500	12000	[410]	<140	NA	NA
MW-5R										
2/4/04	96	75	5.3	101.8	75	25	7.7	<0.36	<0.56	3.5
5/18/04	430	370	190	720	374	110	52	NA	NA	0.47
2/18/05	45	33	[1.2]	27	38.7	7.3	3.2	<0.36	NA	<1.5
5/24/05	332	373	48.6	754	396	50.1	30.8	NA	NA	1.5
MW-6										
**8/22/2003	<0.31	<0.5	<0.3	<0.92	<0.71	191	<0.8	1.3	<1.10	NA
**11/18/2003	<6.20	<10.0	<6.0	<18.4	<14.2	104	NA	<3.4	NA	NA
02/04/04	<0.41	<0.54	<0.67	<2.63	<1.8	140	NA	2.3	NA	NA
05/18/04	<0.41	<0.54	<0.67	<2.63	<1.8	46	NA	<0.36	NA	NA
02/18/05	<0.41	<0.54	<0.67	<2.63	<1.8	110	NA	1.3	NA	NA
05/24/05	<0.31	<0.50	<0.30	<0.92	<0.71	51.8	NA	<0.4	NA	NA
Natural Bridge Store Private Water Well										
01/19/00	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.35	<0.37	<0.39	NA
06/08/01	<0.45	<0.82	<0.68	<2.47	<1.86	<0.43	NA	NA	NA	NA
05/24/05	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA	NA	NA
Werner Private Water Well										
06/08/01	<0.28	<0.28	<0.26	<0.85	<0.54	<0.34	<0.38	<0.28	<0.36	NA
05/24/05	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA	NA	NA
NR 140 ES	5	700	1000	10000	480	60	40	5	0.05	15
NR 140 PAL	0.5	140	200	1000	96	12	8	0.5	0.005	1.5

NS = Indicates Not Sampled

All Units in ppb (parts per billion)

[] = Bracketed results indicate between the LOD and LOQ

** = Indicates samples were collected by BT2. All other samples collected by ECC1

All samples, except 5/24/06 were analyzed by EnChem, Inc., Green Bay, Wisconsin

5/24/06 samples were analyzed by US Filter, Rothschild, Wisconsin

A full VOC scan was done for the initial sampling of each monitoring well. Only detections are listed.

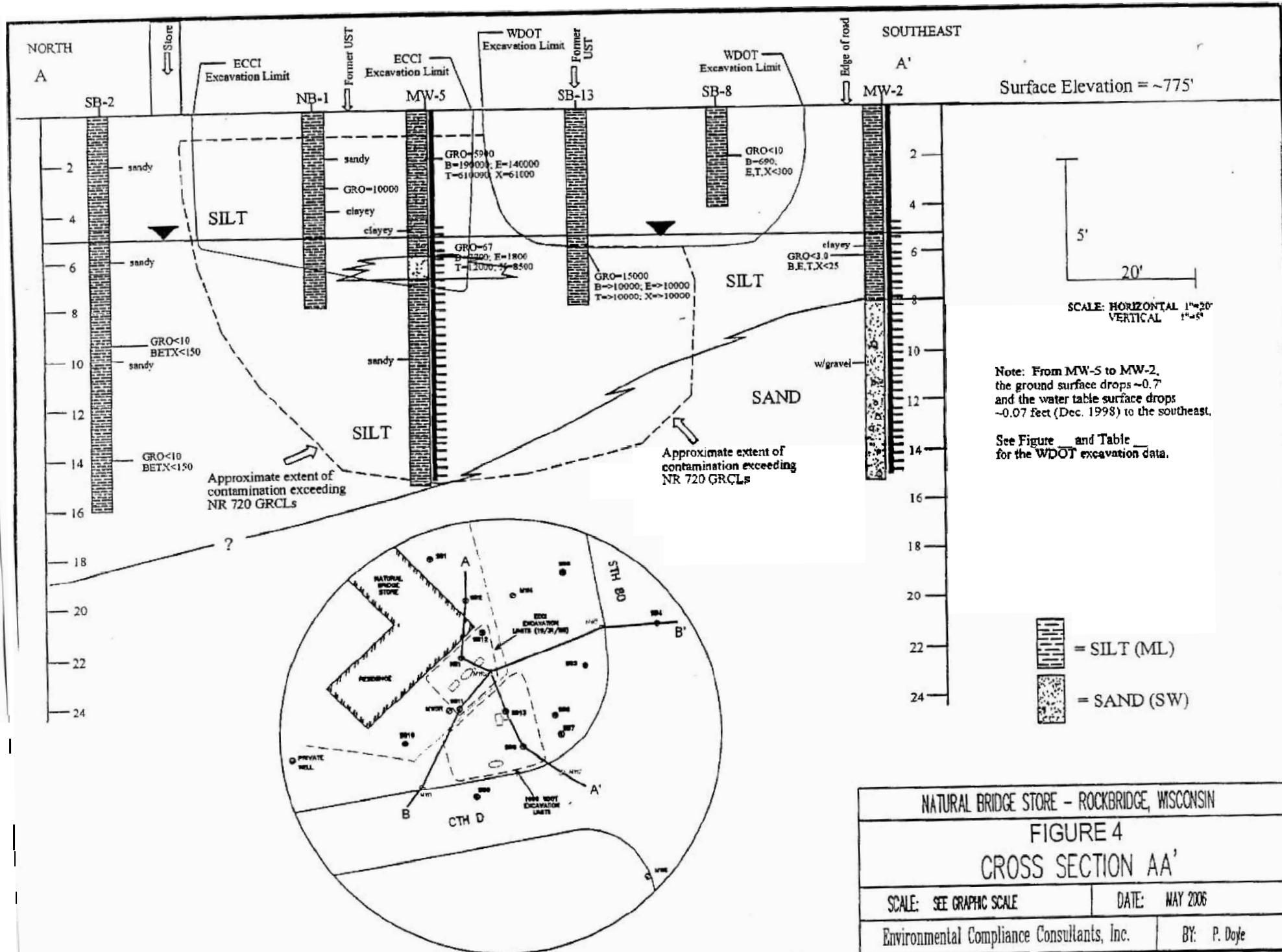
Table 2B.
Soil Analytical Results from Monitoring Well Installation
NATURAL BRIDGE STORE LUST SITE, Rockbridge, Wisconsin
March 27, 1998

Soil Interval	Sampling Depth (feet)	GRO (mg/kg)	Benzene (µg/kg)	Ethylbenzene (µg/kg)	Methyl-t-butyl ether (µg/kg)	Toluene (µg/kg)	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzenes	Xylenes (µg/kg)
NR 720 Soil Guideline		100	5.5	2900		1500			4100
MW1-2	4-8'	<2.5	<25	<25	<25	<25	<25	<25	<25
MW2-2	4-8'	<3.0	<25	<25	42	<25	<25	<25	<25
MW3-2	4-8'	<3.2	<25	<25	<25	<25	<25	<25	<25
MW4-2	4-8'	<3.2	<25	<25	<25	<25	<25	<25	<25
MW5-1	0-4'	5900	190000	140000	70000	610000	75000	210000	61000
MW5-2	4-8'	67	7700	1800	29000	12000	720	2300	8500

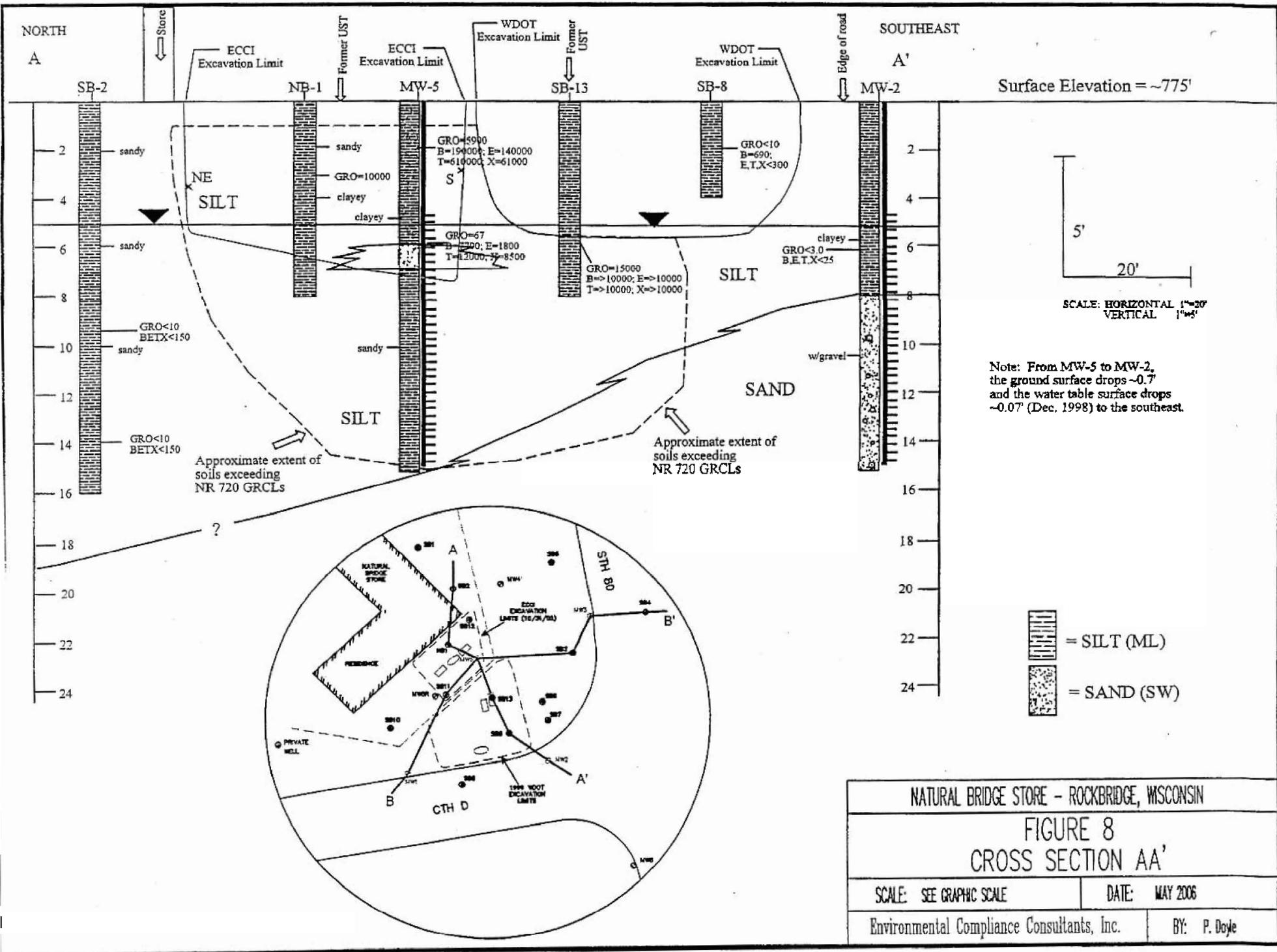
Table 2C.
Miscellaneous Soil Analytical Results
NATURAL BRIDGE STORE LUST SITE, Rockbridge, Wisconsin

Soil Interval	Sampling Depth (feet)	GRO (mg/kg)	Benzene (µg/kg)	Ethylbenzene (µg/kg)	Methyl-t-butyl ether (µg/kg)	Toluene (µg/kg)	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzenes	Xylenes (µg/kg)
NR 720 Soil Guideline		100	5.5	2900		1500			4100
NB-1 (5-30-97)	4'	10000	NA	NA	NA	NA	NA	NA	NA
TS-1 (9-13-99)		250	1400	6500	310	2900	5400	17000	29500

*Laboratory Analysis by EnChem, Inc., Green Bay, Wisconsin.
 Data in bold exceeds NR 720 GRCLs.
 NA= Not analyzed



NATURAL BRIDGE STORE - ROCKBRIDGE, WISCONSIN	
FIGURE 4	
CROSS SECTION AA'	
SCALE: SEE GRAPHIC SCALE	DATE: MAY 2006
Environmental Compliance Consultants, Inc.	BY: P. Doyle



Map created Tue Nov 14 09:17:42 CST 2006

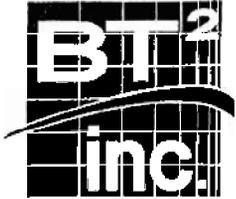
Legend



- Sites Closed with Residual Contamination
- Groundwater
- Soil
- Groundwater and Soil
- Offsource Contamination
- County Boundary
- 24K Open Water
- Municipalities

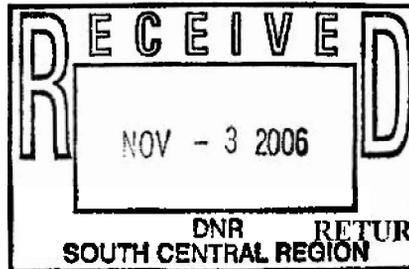
Scale: 1:5,444

DO NOT USE FOR NAVIGATION



November 2, 2006

Mr. Randy Schoeneberg
Richland Co. Highway Commissioner
120 Bowen Circle
Richland Center, WI 53581



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

SUBJECT: Notification of Residual Petroleum Compounds in the CTH D and STH 80 Right-of-Ways (Intersection) Wisconsin Department of Transportation Petroleum Underground Storage Tank Site, Richland Center (Rockbridge), Wisconsin WDNR BRRTS #03-53-256043 BT² Project #1973A

Dear Mr. Schoeneberg:

BT², Inc., on behalf of the responsible party, Wisconsin Department of Transportation (WDOT), is hereby notifying Richland County of residual soil and groundwater contamination from a leaking underground storage tank (LUST) site under the right-of-ways (ROWs) of County Trunk Highway (CTH) D and State Trunk Highway (STH) 80, Richland Center (Rockbridge), Wisconsin. The petroleum underground storage tank site name is WI DOT Rockbridge CTH D, located at the northeast corner of the intersection of CTH D and STH 80, Richland Center (Rockbridge), Wisconsin.

The residual petroleum compounds that may be present beneath CTH D and STH 80 are in the soil and groundwater at concentrations exceeding the NR 720 Generic Residual Contaminant Levels (RCLs) and NR 140 Enforcement Standards (ES), respectively. Maps showing the site location, extent of soil and groundwater contamination, and excavation soil sample locations are attached. Soil and groundwater laboratory results tables are attached also.

Also attached are plan view and cross-sectional view maps of the residual petroleum in the groundwater for your records. If petroleum-impacted soil or groundwater is ever exposed, it may have to be treated as hazardous waste or wastewater. If you have any questions, please contact me at (608) 224-2830.

Sincerely,
BT², Inc.

Betty J. Socha, P.G.
Senior Project Manager

Attachments

cc: Robert Pearson, WDOT
Jennifer Fredrickson, WDOT
Randy Maass, WDNR

I:\1973\Corresp-Other\Schoeneberg_R_Notification letter_061101_let.doc

Table 2A.
Soil Analytical Results
NATURAL BRIDGE STORE LUST SITE, Rockbridge, Wisconsin
October 13, 1997

Soil Interval	Sampling Depth (feet)	Headspace	GRO (mg/kg)	Benzene (µg/kg)	Ethylbenzene (µg/kg)	Toluene (µg/kg)	Xylenes (µg/kg)
NR 720 Soil Guideline			100	5.5	2900	1500	4100
SB1-4	12-16'	0	NA1	<25	<50	<50	<150
SB1-5	16-20'	0	NA1	<25	<50	<50	<150
SB 2-3	8-12'	0	NA1	<25	<50	<50	<150
SB2-4	12-16'	0	NA1	<25	<50	<50	<150
SB3-1	0-4'	96	NA1	250	<50	<50	<150
SB3-4	12-16'	376	13	>4400	1000	>6800	3500
SB4-3	8-12'	2	NA1	<25	<50	<50	<150
SB4-4	12-16'	0	NA1	<25	<50	<50	<150
SB5-3	8-12'	0	NA1	<25	<50	<50	<150
SB5-4	12-16'	0	NA1	<25	<50	<50	<150
SB6-2	4-8'	29	<10	<50	<100	<100	<300
SB6-3	8-12'	3	NA1	<25	<50	<50	<150
SB7-2	4-8'	2	NA1	<25	<50	<50	<150
SB7-3	8-12'	2	NA1	<25	<50	<50	<150
SB8-1	0-4'	116	<10	690	<100	<100	<300
SB9-2	4-8'	6	NA1	<25	<50	<50	<150
SB9-3	8-12'	1	NA1	<25	<50	<50	<150
SB10-2	4-8'	2	NA1	<25	<50	<50	<150
SB11-2	4-8'	877	1200	NA	NA	NA	NA
SB12-2	4-8'	149	31	>2500	600	1800	2800
SB13-2	4-8'	1188	15000	>10000	>10000	>10000	>10000

All samples analyzed in the field with a mobile laboratory from Environmental Chemistry Consulting, Madison.

NA1 = Not Analyzed due to low GC-PID response (<10 mg/kg);

NA = Not Analyzed due to strong odor.

Data in bold exceeds NR 720 GRCLs.

< = less than; > = greater than

Natural Bridge Store, Natural Bridge, Wisconsin
Groundwater Analytical Results

Sample Date	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total TMBs	MTBE	Naphthalene	1,2-DCA	EDB	*Lead
MW-1										
3/28/1998	<0.27	<0.32	<0.27	<0.67	<0.67	<0.49	<0.35	<0.37	<0.39	NA
7/29/1998	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
12/4/1998	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
8/30/1999	[0.73]	<0.32	[0.34]	<0.67	<0.49	1.4	NA	<0.37	NA	NA
MW-2										
3/28/1998	17	<1.6	<1.4	<3.3	<2.5	400	<1.7	17	<1.9	NA
7/29/1998	140	[2.4]	[1.1]	<6.6	<7.0	830	NA	NA	NA	NA
12/4/1998	[6.2]	<2.4	<2.1	<13.4	<14.0	900	NA	NA	NA	NA
MW-3										
3/28/1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.35	<0.37	<0.39	NA
7/29/1998	<0.26	<0.24	<0.21	<1.34	<1.4	[0.45]	NA	NA	NA	NA
12/4/1998	<0.26	<0.24	<0.21	<1.34	<1.4	0.71	NA	NA	NA	NA
8/30/1999	[0.27]	<0.32	[0.31]	<0.67	<0.49	[0.96]	NA	<0.37	NA	NA
MW-4										
3/28/1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.35	<0.37	<0.39	NA
7/29/98	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
12/4/98	<0.26	<0.24	<0.21	<1.34	<1.4	<0.22	NA	NA	NA	NA
8/30/99	[0.31]	<0.32	<0.27	<0.67	<0.49	<0.32	NA	<0.37	NA	NA
1/19/00	<0.44	<0.50	<0.40	<1.31	<0.92	<0.44	NA	<0.54	<0.49	NA
6/8/01	<0.45	<0.82	<0.68	<2.47	<1.86	<0.43	NA	NA	NA	NA
10/31/02	<0.45	<0.82	<0.68	<2.47	<1.86	<0.43	NA	NA	NA	NA
2/4/04	<0.30	<0.60	<0.58	<1.84	<1.18	<0.58	NA	NA	NA	NA
5/18/04	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	NA	NA	NA	NA
2/18/05	<0.14	<0.40	<0.36	<1.1	<0.79	<0.36	NA	NA	NA	NA
5/24/05	<0.31	<0.50	<0.30	<0.92	<0.71	<0.30	NA	NA	NA	NA
MW-5										
3/28/1998	4000	380	4900	1700	260	15000	<35	160	<39	NA
7/29/98	41000	3200	45000	14400	2450	36000	NA	NA	NA	NA
12/4/98	39000	2900	39000	13000	2220	36000	NA	NA	NA	NA
8/30/99	43000	3000	50000	15800	2540	30000	NA	2000	NA	NA
1/19/00	42000	3100	46000	14500	2420	34000	NA	<140	<120	NA
6/8/01	40000	2600	52000	13300	1100	18000	[310]	<110	NA	NA
10/31/02	30000	2300	38000	13000	1500	12000	[410]	<140	NA	NA
MW-5R										
2/4/04	96	75	5.3	101.8	75	25	7.7	<0.36	<0.56	3.5
5/18/04	430	370	190	720	374	110	52	NA	NA	0.47
2/18/05	45	33	[1.2]	27	38.7	7.3	3.2	<0.36	NA	<1.5
5/24/05	332	373	48.6	754	396	50.1	30.8	NA	NA	1.5
MW-6										
**8/22/2003	<0.31	<0.5	<0.3	<0.92	<0.71	191	<0.8	1.3	<1.10	NA
**11/18/2003	<6.20	<10.0	<6.0	<18.4	<14.2	104	NA	<3.4	NA	NA
02/04/04	<0.41	<0.54	<0.67	<2.63	<1.8	140	NA	2.3	NA	NA
05/18/04	<0.41	<0.54	<0.67	<2.63	<1.8	46	NA	<0.36	NA	NA
02/18/05	<0.41	<0.54	<0.67	<2.63	<1.8	110	NA	1.3	NA	NA
05/24/05	<0.31	<0.50	<0.30	<0.92	<0.71	51.8	NA	<0.4	NA	NA
Natural Bridge Store Private Water Well										
01/19/00	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.35	<0.37	<0.39	NA
06/08/01	<0.45	<0.82	<0.68	<2.47	<1.86	<0.43	NA	NA	NA	NA
05/24/05	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA	NA	NA
Werner Private Water Well										
06/08/01	<0.28	<0.28	<0.26	<0.85	<0.54	<0.34	<0.38	<0.28	<0.36	NA
05/24/05	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	NA	NA	NA	NA
NR 140 ES										
NR 140 ES	5	700	1000	10000	480	60	40	5	0.05	15
NR 140 PAL										
NR 140 PAL	0.5	140	200	1000	96	12	8	0.5	0.005	1.5

NS = Indicates Not Sampled

All Units in ppb (parts per billion)

[] = Bracketed results indicate between the LOD and LOQ

** = Indicates samples were collected by BT2. All other samples collected by ECC1

All samples, except 5/24/06 were analyzed by EnChem, Inc., Green Bay, Wisconsin

5/24/06 samples were analyzed by US Filter, Rothschild, Wisconsin

A full VOC san was done for the initial sampling of each monitoring well. Only detections are listed.

Table 2
Summary of Soil Laboratory Analytical Results
WisDOT - Rockbridge UST
WisDOT I.D. # 5449-05-71
RMT Project # 10695.01

Sample I.D.	Sample Depth (feet bgs)	PID Reading (i.u.'s)	Lead (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	Benzene (µg/kg)	Ethylbenzene (µg/kg)	Methyl-tert-butyl-ether (µg/kg)	Toluene (µg/kg)	1,3,5-Trimethylbenzene (µg/kg)	1,2,4-Trimethylbenzene (µg/kg)	Total Xylenes (µg/kg)	
Profile	1	442	158	360	460	6,700	12,000	1,300	2,600	8,500	23,000	52,000	
Confirmation	7	810	11	4.1	30	5,900	670	7,200	6,400	150	540	3,080	
1	4	225	10	560	3,400	20,000	84,000	8,600	<1000	66,000	190,000	217,000	
2	5	317	40	730	3,100	20,000	74,000	5,700	93,000	59,000	170,000	297,000	
3	4	395	23	2,200	15,000	140,000	370,000	29,000	890,000	190,000	610,000	1,540,000	
4	4	427	19	390	2,100	22,000	48,000	7,400	100,000	29,000	87,000	204,000	
5	5	417	22	760	2,100	42,000	48,000	12,000	160,000	26,000	78,000	196,000	
6	6	395	27	1,600	4,700	73,000	120,000	14,000	350,000	74,000	220,000	520,000	
7	5	286	13	1,300	3,600	41,000	82,000	9,000	210,000	50,000	150,000	350,000	
8	4	219	12	<4.4	10	230	520	<25	700	200	600	2,110	
9	5	198	6.7	<4.5	4	170	150	<25	180	88	250	300	
10	6	210	11	630	1,700	11,000	40,000	4,600	84,000	24,000	74,000	165,000	
NR 720 Generic Residual Contaminant Level					100	100	5.5	1,900	NS	1,500	NS	NS	4,100

Notes:

Samples were collected on September 8, 1999.

BOLD = parameter detected above the NR 720 standards.

i.u.'s = Instrument Units.

NS = no standard present.

Prepared by BAB on 10/21/99

Checked by TWB on 10/22/99