GIS REGISTRY
Cover Sheet

July 2008

Source Property Information

BRRTS #:	03-65-544605	Final Closure Date:	March 9, 2012
ACTIVITY NAME:	Lake House Continuity Trust	FID#:	265118370
PROPERTY ADDRESS:	N1940 700 Club Ln	DATCP#:	N/A
MUNICIPALITY:	Lake Geneva	PECFA #:	53147-4035-40-A
PARCEL ID#:	I L 1000006F1 / 265118370		

*WTM Coordinates:

X: 645084 Y: 233302

**Coordinates are in WTM83, NAD83 (1991)*

WTM Coordinates Represent:

- [x] Approximate Center of Contaminant Source
- [ ] Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- [x] Groundwater Contamination > ES *(236)*
  - [ ] Groundwater Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of impacted off-source properties see attached list of "Impacted Off-Source Property")*

- [x] Soil Contamination > *RCLs or **SSRCL *(232)*
  - [ ] Soil Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of impacted off-source properties see attached list of "Impacted Off-Source Property")*

Land Use Controls:

- [ ] Soil: maintain industrial zoning *(220)*

  *(**note:** soil contaminant concentrations between residential and industrial levels)*

- [ ] Cover or Barrier *(222)*

  *(**note:** maintenance plan for groundwater or direct contact)*

- [ ] Structural Impediment *(224)*
- [ ] Vapor Mitigation *(226)*
- [ ] Site-Specific Condition *(228)*
- [ ] Maintain Liability Exemption *(230)*

  *(**note:** local government or economic development corporation)*

Monitoring wells properly abandoned? *(234)*

- [ ] Yes
- [x] No
- [ ] N/A

**Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

53147-4035-40-A

State of Wisconsin Department of Natural Resources http://dnr.wi.gov	**PLEASE ASSEMBLE IN THIS ORDER**	**GIS Registry Checklist** Form 4400-245 (R 8/11) Page 1 of 3

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-65-544605 *(No Dashes)* PARCEL ID #: 265118370 I L 1000006F1

ACTIVITY NAME: Lake House Continuity Trust

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- [x] **Closure Letter**
- [ ] **Maintenance Plan** *(if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)*
- [ ] **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- [x] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- [x] **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- [x] **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: Sheet 1of1 Title: Plat of Survey
- [x] **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

- [x] **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
  Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

  Figure #: 1 Title: Site Location Map
- [x] **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 2 Title: Soil Boring and Monitoring Well Location Map
- [x] **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 3 Title: Approximate Extent of Soil RCL Exceedances

BRRTS #: 03-65-544605 ACTIVITY NAME: Lake House Continuity Trust

MAPS (continued)

[x] **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: 5 **Title: Lines of Cross-Section A to A' and B to B'**

Figure #: 6 and 7 **Title: Geologic Cross-Section W to E (A to A') (Figure 6) and S to N (B to B') (Figure 7)**

[x] **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: 4 **Title: Historical Groundwater ES and PAL Exceedances**

[x] **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 8 **Title: Groundwater Flow Map, September 15, 2010**

Figure #: 9 **Title: Groundwater Flow Map, January 4, 2011**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

[x] **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 2 **Title: Soil Analytical Results Summary**

[x] **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 3 **Title: Groundwater Analytical Results Summary**

[x] **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: 1 **Title: Groundwater Elevations**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

[ ] **Not Applicable**

[x] **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: 2a **Title: Monitoring Well Location Map**

[x] **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

[ ] **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

[x] **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-65-544605 ACTIVITY NAME: Lake House Continuity Trust

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☒ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #: **Title:**

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

STATE OF WISCONSIN
Department of Safety and Professional Services

Governor Scott Walker **Secretary Dave Ross**

Mail to:
2514 Morse Street
Janesville, WI 53545
TTY: (608) 267-2416
Fax: (608) 758-4935
Email: dsps@wisconsin.gov
Web: http://dsps.wi.gov

March 9, 2012

Carol Bernick
Lake House Continuity Trust
909 Ashland Ave
River Forest, IL 60305

RE: **Final Closure with Land Use Limitation for an Improperly Abandoned Monitoring Well**

PECFA # 53147-4035-40-A DNR BRRTS # 03-65-544605
Lake House Continuity Trust, N1940 700 Club Ln, Lake Geneva

Dear Ms. Bernick:

On March 8, 2012, the Wisconsin Department of Safety and Professional Services (DSPS) determined that this site does not pose a significant threat to human health and the environment and, consequently, conditionally closed the site with the requirement that all monitoring wells be properly abandoned. DSPS has since been informed that a monitoring well could not be properly abandoned because it could not be located after significant work was completed in the area including razing of a building and some contouring of the ground surface.

Recent changes in state law allow DSPS to grant final closure of your site as long as the current and subsequent property owners adhere to the following limitation:

If monitoring well MW-2 is located in the future, the then-current owner of the subject property will be required to properly abandon the well in compliance with the requirements in NR 141, Wis. Admin. Code, and to submit the required abandonment documentation to DSPS.

Failure to adhere to this limitation may result in financial penalties from $10 to $5,000 per day in accordance with section 292.99(1), Wis. Stats. Be aware that property owners may be held liable for any contamination associated with improperly abandoned monitoring wells that create a conduit for contaminants to enter groundwater.

This site is now listed as "closed" on the DSPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination. You can review all sites on the GIS Registry via the DNR's website at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

It is in your best interest to keep all documentation related to the environmental activities at your site. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval. To obtain approval, complete Form 3300-254, GIS Registry Site Well Approval Application, and submit it to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf or through the GIS Registry web address listed above.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and migration should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 758-4934.

Sincerely,

Shawn A. Wenzel
Hydrogeologist
Site Review Section

cc: Bernard Fenelon, GZA Geoenvironmental, Inc.

STATE OF WISCONSIN
Department of Safety and Professional Services

Governor Scott Walker **Secretary Dave Ross**

Mail to:
2514 Morse Street
Janesville, WI 53545
TTY: (608) 267-2416
Fax: (608) 758-4935
Email: dsps@wisconsin.gov
Web: http://dsps.wi.gov

February 20, 2012

Carol Bernick
Lake House Continuity Trust
909 Ashland Ave
River Forest, IL 60305

RE: **Conditional Case Closure**

PECFA # 53147-4035-40-A DNR BRRTS # 03-65-544605
Lake House Continuity Trust, N1940 700 Club Ln, Lake Geneva

Dear Ms. Bernick:

The Wisconsin Department of Safety and Professional Services (DSPS) has reviewed the request for case closure prepared by your consultant, GZA Geoenvironmental, Inc., for the site referenced above. It is understood that residual soil and groundwater contamination remains on site. DSPS has determined that this site does not pose a significant threat to human health and the environment. No further investigation or remedial action is necessary.

The following conditions must be satisfied to obtain final closure:

- All remaining monitoring wells must be properly abandoned within 60 days and the appropriate documentation forwarded to DSPS at the letterhead address within 120 days of the date of this letter. Noncompliance with the abandonment requirement and deadline can result in enforcement action and financial penalties.

Information submitted with your closure request will be included on the Department of Natural Resources (DNR) GIS Registry of Closed Remediation Sites. All sites on the Registry can be viewed via the Remediation and Redevelopment (RR) Sites Map at http://dnr.wi.gov/org/aw/rr/gis/index.htm. Because residual contamination remains at the time of case closure, if you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. Costs for sampling and excavation activities conducted after the date of this letter are not eligible for PECFA reimbursement.

Depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or along newly placed underground utility lines. The potential for vapor inhalation and migration should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days from the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-5401.

Sincerely,

Shawn A. Wenzel
Hydrogeologist
Site Review Section

cc: Bernard Fenelon, GZA Geoenvironmental, Inc.

Document Number

State Bar of Wisconsin Form 1 - 2003

WARRANTY DEED

Document Name

THIS DEED, made between Frances Buhl Clarke a/k/a Frances B. Clarke, a widow, and not since remarried ("Grantor," whether one or more), and Carol L. Bernick, not individually but as Trustee of the Lake House Continuity Trust u/a/d 11/4/05, ("Grantee," whether one or more).

Grantor, for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Walworth County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

SEE ATTACHED LEGAL DESCRIPTION attached hereto as Exhibit A DWS for FBC

Recording Area

Name and Return Address

I L 1000006F1

Parcel Identification Number (PIN)

This is homestead property.
(is) (is not)

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except: the Permitted Exceptions set forth on the attached Exhibit B and incorporated herein by reference. DWS for FBC

Dated November 4, 2005

(SEAL) Frances B. Clarke (SEAL)
* Frances Buhl Clarke a/k/a Frances B. Clarke

(SEAL) (SEAL)
*

AUTHENTICATION

Signature(s)

authenticated on

*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by Wis. Stat. § 706.06)

THIS INSTRUMENT DRAFTED BY:

Attorney David W. Schiltz
SCHILTZ LAW OFFICE, S.C.

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
Walworth COUNTY)

Personally came before me on November 4, 2005, the above-named Frances Buhl Clarke to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

* David W. Schiltz
Notary Public, State of Wisconsin
My Commission (is permanent) (expires:)

(Signatures may be authenticated or acknowledged. Both are not necessary.)

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

*Type name below signatures.

Schiltz Law Office, S.C. P.O. Box 158 Lake Geneva WI 53147- Phone: (262)248-9143 Fax: (262)248-6842

Produced with ZipForm™ by RE FormNet, LLC 18025 Fifteen Mile Road, Clinton Township, Michigan 48035 (800) 383-9805 www.zipform.com

T6074181.ZFX

Exhibit A

That part of the Northwest 1/4 and the Southwest 1/4 of Section 10, T1N, R17E, described as follows: A parcel of land located in Section 10, T1N, R17E, Town of Linn, County of Walworth, State of Wisconsin, described as follows, to-wit: Commencing at the middle quarter section corner of said Section 10; thence West along the East-West 1/4 section line of said Section 10, 606.36 feet; thence North 27° 19′ West, 189.88 feet; thence South 16° 26′ West, 89.54 feet; thence North 70° 13′ West, 109.66 feet; thence North 89° 50′ West, 54.47 feet; thence South 83° 09′ West, 55.07 feet; thence South 80° 18′ West, 52.41 feet; thence South 77° 35′ West, 54.69 feet; thence South 65° 56′ West, 94.58 feet; thence North 23° 47′ West, 26.53 feet to the place of beginning of the lands hereinafter described; thence North 23° 47′ West, 105.00 feet; thence North 2° 18′ East, 206.46 feet; thence North 12° 42′ West, 92.19 feet; thence North 1° 43′ West, 350.42 feet; thence North 23° 47′ East, 57.75 feet; thence North 63° 27′ East, 177.48 feet; thence North 35° 02′ East, 115.21 feet; thence South 36° 23′ East, 89.46 feet; thence North 56° 31′ East, 397.72 feet to an iron stake; thence continuing in the same course North 56° 31′ East, 28.90 feet to a point in the shore line of Geneva Lake; thence Southeasterly along the said shore line of Geneva Lake, 100.00 feet, more or less, to a point; thence South 36° 43′ West, 28.50 feet to an iron stake, said iron stake being 105.13 feet South 40° 29′ East of the aforementioned iron stake; thence continuing South 36° 43′ West, 449.85 feet; thence South 24° 50′ West, 429.75 feet; thence South 33° 12′ West, 342.69 feet to the place of beginning.

ALSO: An easement in comon with others for ingress and egress, over the following-described real estate: The East 49.5 feet of the Northwest 1/4 of Section 15, T1N, R17E, the East 49.5 feet of the Southeast 1/4 of the Southwest 1/4 of Section 10, T1N, R17E, the East 49.5 feet of the South 1/2 of Northeast 1/4 of the Southwest 1/4 of Section 10, T1N, R17E, Town of Linn, County of Walworth, State of Wisconsin. ALSO, beginning at the Southeast corner of the North 1/2 of the Northeast 1/4 of the Southwest 1/4 of said Section 10; thence North 0° 26′ East along the 1/4 section line 50.00 feet; thence North 82° 26′ West, 140.52 feet; thence North 66° 49′ West, 115.69 feet; thence North 45° 07′ West, 124.70 feet; thence North 36° 57′ West, 270.76 feet; thence North 33° 50′ West 390.70 feet; thence North 70° 13′ West, 109.66 feet; thence North 89° 50′ West, 54.47 feet; thence South 83° 09′ West, 55.07 feet; thence South 80° 18′ West, 52.41 feet; thence South 77° 35′ West, 54.69 feet; thence South 65° 56′ West, 94.58 feet; thence North 23° 47′ West, 131.53 feet; thence North 2° 18′ East, 206.46 feet; thence North 12° 42′ West, 92.19 feet; thence North 1° 43′ West, 350.42 feet; thence North 23° 47′ East, 57.75 feet; thence North 63° 27′ East, 177.48 feet; thence North 35° 02′ East, 115.21 feet; thence North 36° 23′ West, 35.70 feet; thence Southwesterly 49.50 feet to a point; thence South 35° 02′ West, 66.61 feet; thence South 63° 27′ West, 182.85 feet; thence South 23° 47′ West, 87.09 feet; thence South 1° 43′ East, 366.54 feet; thence South 12° 42′ East, 90.42 feet; thence South 2° 18′ West, 211.46 feet; thence South 23° 47′ East, 136.82 feet; thence South 85° 07′ West, 80.00 feet; thence West 1446.45 feet, more or less, to the West line of Section 10; thence Southerly along said section line 33.00 feet to a concrete monument which is the West 1/4 section corner of Section 10; thence East 1575.48 feet; thence North 65°56′ East, 110.55 feet; thence North 77° 35′ East, 48.40 feet; thence North 80° 18′ East, 49.98 feet; thence North 83° 09′ East, 50.75 feet; thence South 89° 50′ East, 42.68 feet; thence South 70° 13′ East, 84.59 feet; thence South 33° 50′ East, 375.63 feet; thence South 36° 57′ East, 275.69 feet; thence South 45° 07′ East, 137.85 feet; thence South 66° 49′ East, 132.13 feet; thence South 79° 05′ East, 104.68 feet to a point that is located 49.50 feet West of the place of beginning; thence East 49.50 feet to the place of beginning.

Tax Key No. IL1000006F1

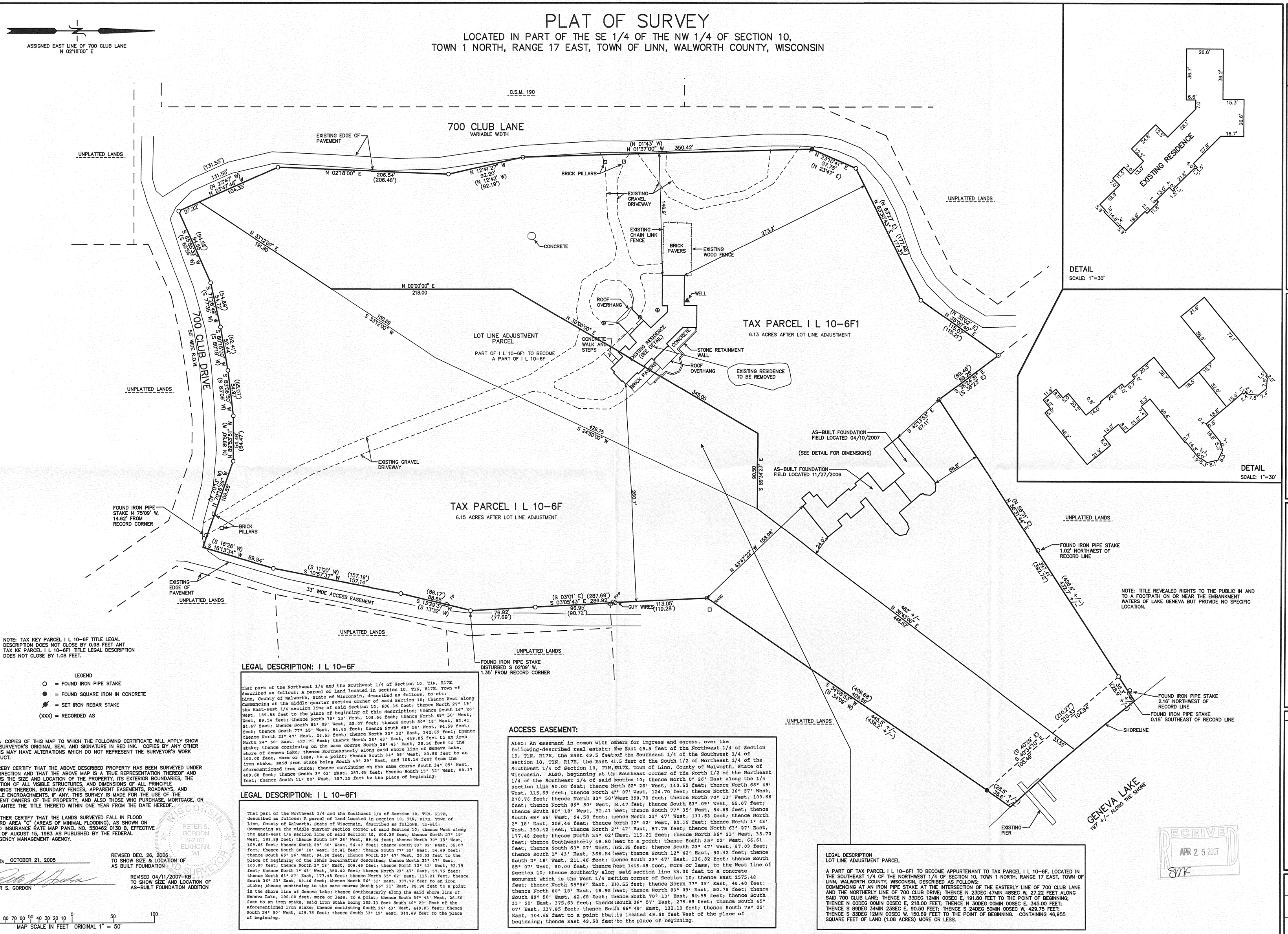
EXHIBIT B

PERMITTED EXCEPTIONS TO TITLE
FOR THE FRANCES BUHL CLARKE PROPERTY

1. General taxes for the year 2005 not yet due or payable.
2. Restrictions contained in Lake Geneva Restriction Agreements, one recorded December 8, 1910, in Volume 105 of Mortgages on Page 119, and a second one on August 22, 1913, in Volume 112 of Mortgages on Page 300.
3. Possible assessments due to the recording of articles of the "700 Lake Shore Drive Road Association" on December 17, 1957, in Volume 11 of Corporation Records at Page 504 as Document No. 496190, none yet due or payable. DVS for FBC
4. Rights of others in and to Right of Way set forth on the attached Exhibit A
5. Rights of the public in any portion of the subject premises lying below the ordinary high water mark of Geneva Lake, and the rights of the government to regulate the use of the shore and riparian rights.
6. Rights of the public in and to a foot path on or near the embankment waters of Geneva Lake.
7. Possible future assessments under Order creating a sanitary district in the Township of Linn, filed December 13, 1946, as Document No. 394515.
8. Covenants, conditions and restrictions contained in Warranty Deed granted by Merrill L. Bengston and Rosemary Bengston, his wife, to John C. Clarke dated March 23, 1951, and recorded March 26, 1951, in Volume 425 of Deeds on Page 489 as Document No. 433153.
9. Covenants, conditions, restrictions, charges and/or assessments contained in Deed granted by Bengston, Inc., an Illinois Corporation to John C. Clarke, dated April 3, 1951, and recorded April 4, 1957, in Volume 426 of Deeds on Page 107 as Document No. 433353.
10. Covenants, conditions and restrictions as set forth in agreement by and between M.L.Bengston and Rosemary Bengston, his wife, and Bengston, Inc., recorded August 4, 1950, in Volume 417 of Deeds on Page 93 as Document No. 427507.
11. Covenants and restrictions contained in Deed from Bengston, Inc., to Martha Clarke Ross recorded August 4, 1950, in Volume 417 of Deeds on Page 87 as Document No. 427505 and described in Resolution recorded April 4, 1951, in Volume 426 of Deeds on Page 115 as Document No. 433355.
12. Terms and Conditions of the Trust Agreement for the Lake House Continuity Trust U/A/D 11/4/05 and the rights of beneficiaries thereof and the parties claiming under them.
13. Municipal and zoning ordinances and agreements entered under them.

PLAT OF SURVEY

LOCATED IN PART OF THE SE 1/4 OF THE NW 1/4 OF SECTION 10,
TOWN 1 NORTH, RANGE 17 EAST, TOWN OF LINN, WALWORTH COUNTY, WISCONSIN



NOTE: TAX KEY PARCEL I L 10-6F TITLE LEGAL DESCRIPTION DOES NOT CLOSE BY 0.98 FEET ANT TAX KE PARCEL I L 10-6F1 TITLE LEGAL DESCRIPTION DOES NOT CLOSE BY 1.08 FEET.

LEGEND

- ○ = FOUND IRON PIPE STAKE
- ● = FOUND SQUARE IRON IN CONCRETE
- ⊘ = SET IRON REBAR STAKE
- (XXX) = RECORDED AS

NOTE: COPIES OF THIS MAP TO WHICH THE FOLLOWING CERTIFICATE WILL APPLY SHOW THE SURVEYOR'S ORIGINAL SEAL AND SIGNATURE IN RED INK. COPIES BY ANY OTHER MEANS MAY HAVE ALTERATIONS WHICH DO NOT REPRESENT THE SURVEYOR'S WORK PRODUCT.

I HEREBY CERTIFY THAT THE ABOVE DESCRIBED PROPERTY HAS BEEN SURVEYED UNDER MY DIRECTION AND THAT THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND SHOWS THE SIZE AND LOCATION OF THE PROPERTY, ITS EXTERIOR BOUNDARIES, THE LOCATION OF ALL VISIBLE STRUCTURES, AND DIMENSIONS OF ALL PRINCIPLE BUILDINGS THEREON, BOUNDARY FENCES, APPARENT EASEMENTS, ROADWAYS, AND VISIBLE ENCROACHMENTS, IF ANY. THIS SURVEY IS MADE FOR THE USE OF THE PRESENT OWNERS OF THE PROPERTY, AND ALSO THOSE WHO PURCHASE, MORTGAGE, OR GUARANTEE THE TITLE THERETO WITHIN ONE YEAR FROM THE DATE HEREOF.

I FURTHER CERTIFY THAT THE LANDS SURVEYED FALL IN FLOOD HAZARD AREA "C" (AREAS OF MINIMAL FLOODING), AS SHOWN ON FLOOD INSURANCE RATE MAP PANEL NO. 550462 0130 B, EFFECTIVE DATE OF AUGUST 15, 1983 AS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

WISCONSIN PETER S. GORDON S-2101 ELKHORN, WI. REGISTERED LAND SURVEYOR

DATED: OCTOBER 21, 2005

PETER S. GORDON

REVISED DEC. 26, 2006 TO SHOW SIZE & LOCATION OF AS BUILT FOUNDATION

REVISED 04/11/2007-KB TO SHOW SIZE AND LOCATION OF AS-BUILT FOUNDATION ADDITION

MAP SCALE IN FEET ORIGINAL 1" = 50'

LEGAL DESCRIPTION: I L 10-6F

That part of the Northwest 1/4 and the Southwest 1/4 of Section 10, T1N, R17E, Town of described as follows: A parcel of land located in Section 10, T1N, R17E, Town of Linn, County of Walworth, State of Wisconsin, described as follows, to-wit: Commencing at the middle quarter section corner of said Section 10; thence West along the East-West 1/4 section line of said Section 10, 606.36 feet; thence North 27° 19' West, 189.88 feet to the place of beginning of this description; thence South 16° 26' West, 89.54 feet; thence North 70° 13' West, 109.66 feet; thence North 89° 50' West, 54.47 feet; thence South 83° 09' West, 55.07 feet; thence South 80° 18' West, 52.41 feet; thence South 77° 35' West, 54.69 feet; thence South 65° 56' West, 94.58 feet; thence North 33° 12' East, 342.69 feet; thence North 23° 47' West, 26.53 feet; thence North 36° 43' East, 449.85 feet to an iron North 24° 50' East, 429.75 feet; thence North 36° 43' East, 28.50 feet to the stake; thence continuing on the same course North 36° 43' East, 28.50 feet to an shore of Geneva Lake; thence Southeasterly along said shore line of Geneva Lake, 100.00 feet, more or less, to a point; thence South 34° 09' West, 28.50 feet to an iron stake, said iron stake being South 40° 29' East, and 105.14 feet from the aforementioned iron stake; thence continuing on the same course South 34° 09' West, 409.68 feet; thence South 3° 01' East, 287.69 feet; thence South 13° 32' West, 88.17 feet; thence South 11° 00' West, 157.19 feet to the place of beginning.

LEGAL DESCRIPTION: I L 10-6F1

That part of the Northwest 1/4 and the Southwest 1/4 of Section 10, T1N, R17E, described as follows: A parcel of land located in Section 10, T1N, R17E, Town of Linn, County of Walworth, State of Wisconsin, described as follows, to-wit: Commencing at the middle quarter section corner of said Section 10; thence West along the East-West 1/4 section line of said Section 10, 606.36 feet; thence North 27° 19' West, 189.88 feet; thence South 16° 26' West, 89.54 feet; thence North 70° 13' West, 109.66 feet; thence North 89° 50' West, 54.47 feet; thence South 83° 09' West, 55.07 feet; thence South 80° 18' West, 52.41 feet; thence South 77° 35' West, 54.69 feet; thence South 65° 56' West, 94.58 feet; thence North 23° 47' West, 26.53 feet to the place of beginning of the lands hereinafter described; thence North 23° 47' West, 105.00 feet; thence North 2° 18' East, 206.46 feet; thence North 12° 42' West, 92.19 feet; thence North 1° 43' West, 350.42 feet; thence North 23° 47' East, 57.75 feet; thence North 63° 27' East, 177.48 feet; thence North 35° 02' East, 115.21 feet; thence North 36° 23' West, 35.70 feet; thence South 36° 26' West, 89.54 feet; thence North 70° 13' West, 109.66 feet; thence North 89° 50' West, 54.47 feet; thence South 83° 09' West, 55.07 feet; thence South 80° 18' West, 52.41 feet; thence South 77° 35' West, 54.69 feet; thence South 65° 56' West, 94.58 feet; thence North 23° 47' West, 26.53 feet to the place of beginning of the lands hereinafter described; thence North 23° 47' West, 105.00 feet; thence North 2° 18' East, 206.46 feet; thence North 12° 42' West, 92.19 feet; thence North 1° 43' West, 350.42 feet; thence North 23° 47' East, 57.75 feet; thence North 63° 27' East, 177.48 feet; thence North 35° 02' East, 115.21 feet; thence South 36° 23' East, 89.46 feet; thence North 56° 31' East, 397.72 feet to an iron stake; thence continuing in the same course North 56° 31' East, 28.90 feet to a point in the shore line of Geneva Lake; thence Southeasterly along the said shore line of Geneva Lake, 100.00 feet, more or less, to a point; thence South 36° 43' West, 28.50 feet to an iron stake, said iron stake being 105.13 feet South 40° 29' East of the aforementioned iron stake; thence continuing South 36° 43' West, 449.85 feet; thence South 24° 50' West, 429.75 feet; thence South 33° 12' West, 342.69 feet to the place of beginning.

ACCESS EASEMENT:

ALSO: An easement in comon with others for ingress and egress, over the following-described real estate: the East 49.5 feet of the Northwest 1/4 of Section 15, T1N, R17E, the East 49.5 feetof the Southeast 1/4 of the Southwest 1/4 of Section 10, T1N, R17E, the East 49.5 feet of the South 1/2 of Northeast 1/4 of the Southwest 1/4 of Section 10, T1N,R17E, Town of Linn, County of Walworth, State of Wisconsin. ALSO, beginning at the Southeast corner of the North 1/2 of the Northeast 1/4 of the Southwest 1/4 of said section 10; thence North 0° 26' East along the 1/4 section line 50.00 feet; thence North 82° 26' West, 140.52 feet; thence North 66° 49' West, 115.69 feet; thence North 4° 07' West, 124.70 feet; thence North 36° 57' West, 270.76 feet; thence North 33° 50' West 390.70 feet; thence North 70° 13' West, 109.66 feet; thence North 89° 50' West, 46.47 feet; thence South 83° 09' West, 55.07 feet; thence South 80° 18' West, 52.41 feet; thence South 77° 35' West, 54.69 feet; thence South 65° 56' West, 94.58 feet; thence North 23° 47' West, 131.53 feet; thence North 2° 18' East, 206.46 feet; thence North 12° 42' West, 92.19 feet; thence North 1° 43' West, 350.42 feet; thence North 2° 47' East, 57.75 feet; thence North 63° 27' East, 177.48 feet; thence North 35° 02' East, 115.21 feet; thence North 36° 23' West, 35.70 feet; thence Southwesterly 49.50 feet to a point; thence South 35° 02' West, 66.61 feet; thence South 63° 27' West, 182.85 feet; thence South 23° 47' West, 87.09 feet; thence South 1° 43' East, 366.54 feet; thence South 12° 42' East, 90.42 feet; thence South 2° 18' West, 211.46 feet; thence South 23° 47' East, 136.82 feet; thence South 85° 07' West, 80.00 feet; thence West 1446.45 feet, more or less, to the West line of Section 10; thence Southerly along said section line 33.00 feet to a concrete monument which is the West 1/4 section corner of Section 10; thence East 1575.48 feet; thence North 65°56' East, 100.55 feet; thence North 77° 35' East, 48.60 feet; thence North 80° 18' East, 49.98 feet; thence North 83° 09' East, 50.75 feet; thence South 89° 50' East, 42.68 feet; thence South 70° 13' East, 84.59 feet; thence South 33° 50' East, 375.63 feet; thence South 36° 57' East, 275.69 feet; thence South 45° 07' East, 137.85 feet; thence South 66° 49' East, 132.13 feet; thence South 79° 05' East, 104.68 feet to a point that is located 49.50 feet West of the place of beginning; thence East 49.50 feet to the place of beginning.

LEGAL DESCRIPTION
LOT LINE ADJUSTMENT PARCEL

A PART OF TAX PARCEL I L 10-6F1 TO BECOME APPURTENANT TO TAX PARCEL I L 10-6F, LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 10, TOWN 1 NORTH, RANGE 17 EAST, TOWN OF LINN, WALWORTH COUNTY, WISCONSIN, DESCRIBED AS FOLLOWS:
COMMENCING AT AN IRON PIPE STAKE AT THE INTERSECTION OF THE EASTERLY LINE OF 700 CLUB LANE AND THE NORTHERLY LINE OF 700 CLUB DRIVE; THENCE N 23DEG 47MIN 48SEC W, 27.22 FEET ALONG SAID 700 CLUB LANE; THENCE N 33DEG 12MIN 00SEC E, 191.80 FEET TO THE POINT OF BEGINNING; THENCE N 00DEG 00MIN 00SEC E, 218.00 FEET; THENCE N 30DEG 00MIN 00SEC E, 345.00 FEET; THENCE S 89DEG 34MIN 23SEC E, 90.50 FEET; THENCE S 24DEG 50MIN 00SEC W, 429.75 FEET; THENCE S 33DEG 12MIN 00SEC W, 150.69 FEET TO THE POINT OF BEGINNING. CONTAINING 46,955 SQUARE FEET OF LAND (1.08 ACRES) MORE OR LESS.

RECEIVED APR 25 2007 BMK

— WORK ORDERED BY —
JOHN ENGERMAN — ENGERMAN CONSTRUCTION
W3411 LINTON ROAD
LAKE GENEVA, WI 53147

FARRIS, HANSEN & ASSOCIATES, INC.
ENGINEERING — ARCHITECTURE — SURVEYING
7 RIDGWAY COURT P.O. BOX 437
ELKHORN, WISCONSIN 53121
OFFICE: (262) 723-2098 FAX: (262) 723-5886

REVISIONS

PROJECT NO. 6903

DATE 10/21/05

SHEET NO. 1 OF 1

X:\Projects\6903\Dcad\ASBLT-ADDITION

4/11/2007

IL 10-6F1
IL 10-6F

117-2783

Carol L. Bernick, as Trustee of the
Lake House Continuity Trust
909 Ashland Avenue
River Forest, IL 60305

July 30, 2006

Mr. Bernard G. Fenelon, P.G.
GZA GeoEnvironmental, Inc.
20900 Swenson Drive, Suite 150
Waukesha, Wisconsin 53186

Re: Attached Legal Description for Property within Contaminated Site Boundary

Dear Mr. Fenelon:

Please find the attached legal description from the deed for the Lake House Continuity Trust property at N1940 700 Club Lane in Lake Geneva, Wisconsin. To the best of my knowledge this legal description makes up the entire property within the contaminated site boundary and is being provided to you for your GIS database submittal to WDNR in partial satisfaction of the requirements to qualify for no further action status on this site. Please contact Russ Bolitho at (708) 450-3434 if you have any questions.

Sincerely,

Carol Lavin Bernick

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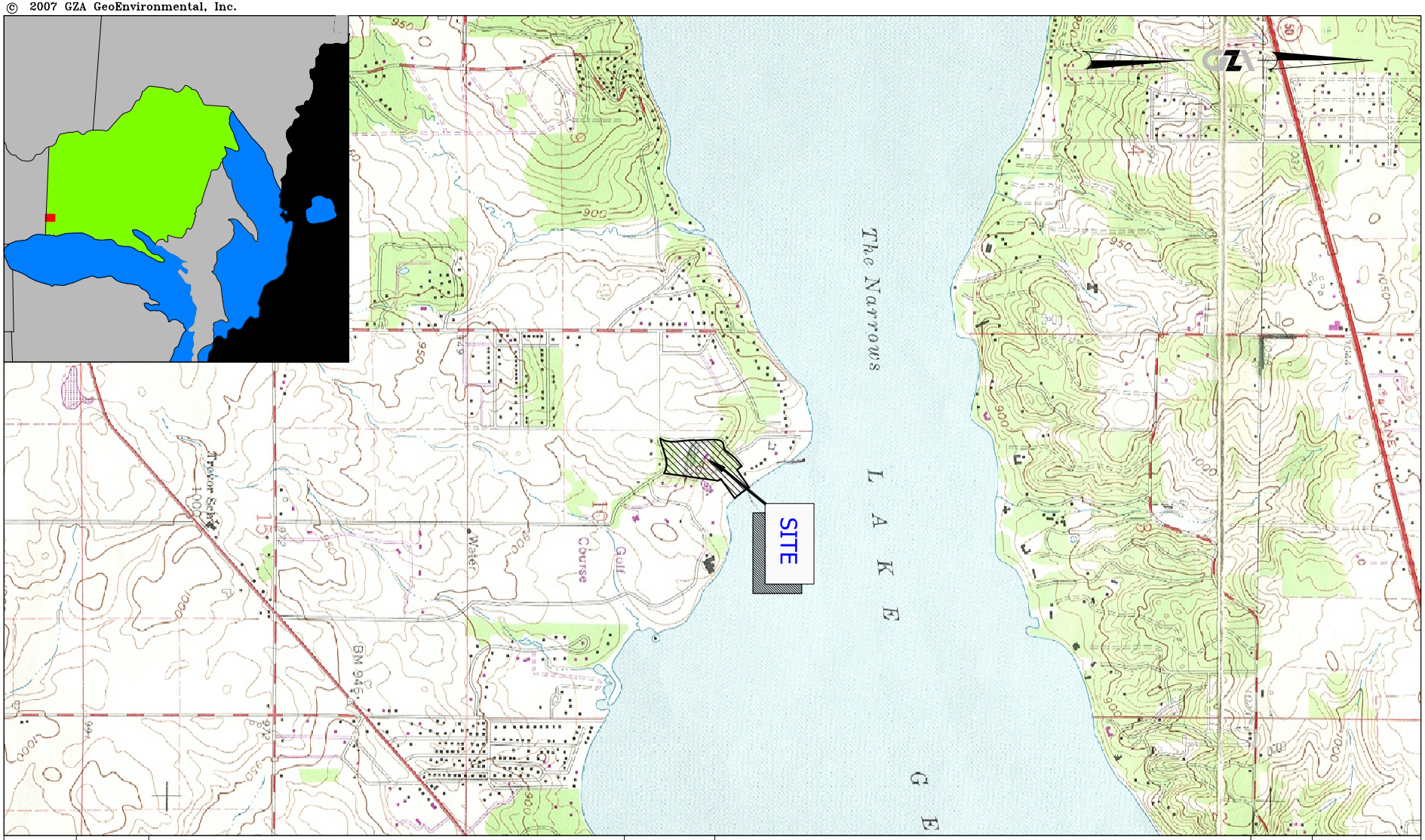


N1940 700 CLUB LANE

TOWN OF LINN, WISCONSIN

SITE LOCATION MAP

PROJECT NO. 20.0151259.40

FIGURE : 1

REV. NO.	DESCRIPTION	BY	DATE

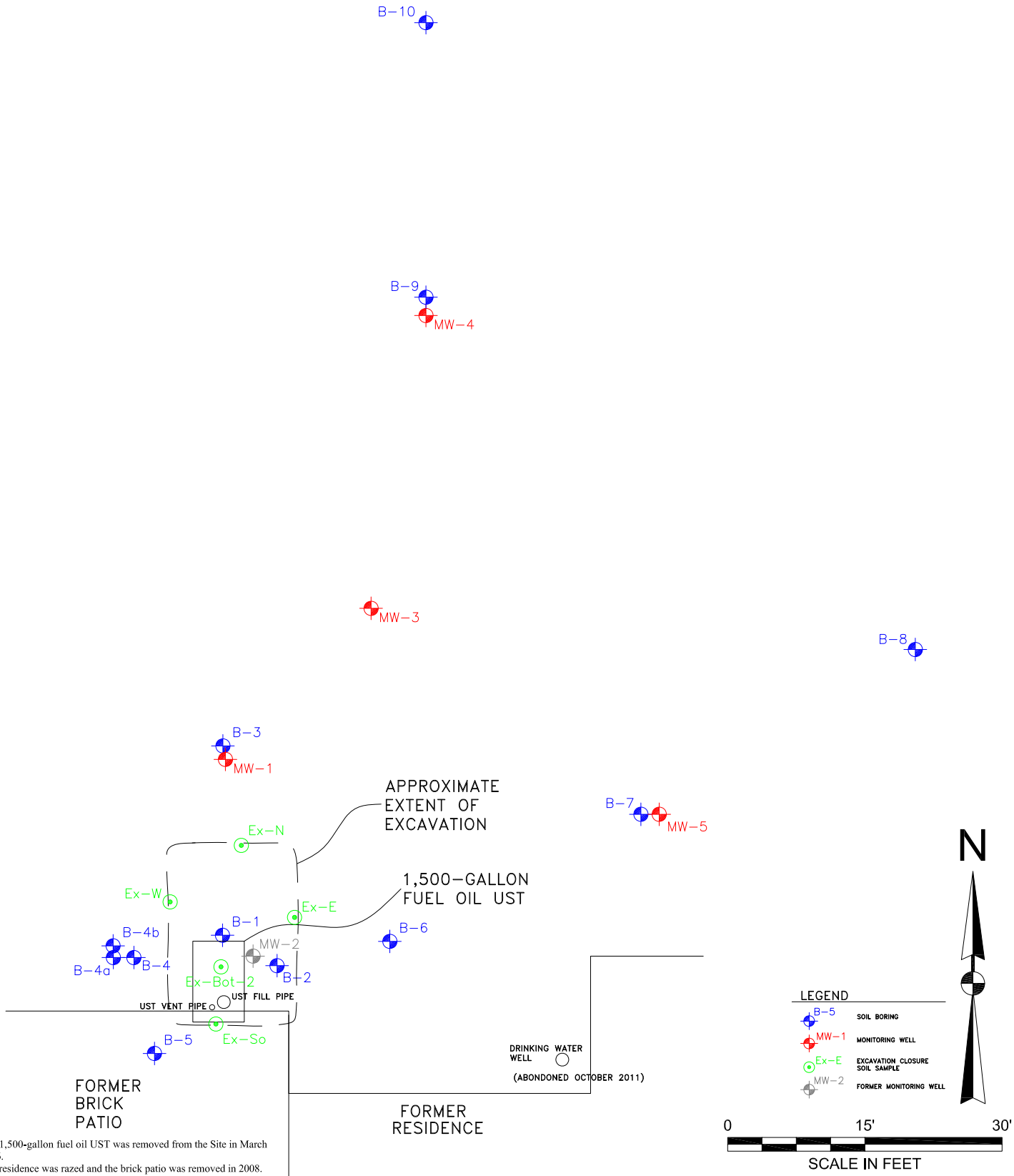
SCALE: 1:24,000

0 1000' 2000' 4000'

SOURCE: U.S.G.S. LAKE GENEVA, WISCONSIN QUADRANGLE MAP 1960 (PHOTOREVISED 1971)

PROJ MGR: MJF
DESIGNED BY: KCD
REVIEWED BY: MJF
DRAWN BY: KCD
DATE: 9/30/05

GZA GeoEnvironmental, Inc.



NOTES:

1. The 1,500-gallon fuel oil UST was removed from the Site in March 2006.
2. The residence was razed and the brick patio was removed in 2008.
3. MW-2 was also removed and/or abandoned during demolition or landscaping activities in 2008.
4. The drinking water well that had served the former residence was properly abandoned by a licensed well abandonment contractor in October 2011.

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
20900 SWENSON DRIVE, SUITE 150
WAUKESHA, WISCONSIN 53186
(262) 754-2560

PREPARED FOR:

SOIL BORING AND MONITORING WELL LOCATION MAP

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

FIGURE 2

PROJ MGR: BGF	REVIEWED BY: SEK	CHECKED BY: SEK	DATE 11/1/11	PROJECT NO. 20.0151259.40	REVISION NO.
DESIGNED BY: SEK	DRAWN BY: CLK	SCALE:			

SHEET NO.

©2009 – GZA GeoEnvironmental, Inc. GZA-J:\151200to151299\151259 Bernick\Closure Request 11-07\DRAWINGS\UPDATED SITE LAYOUT.dwg [fig 2] November 02, 2011 – 2:48pm justin.hegarty

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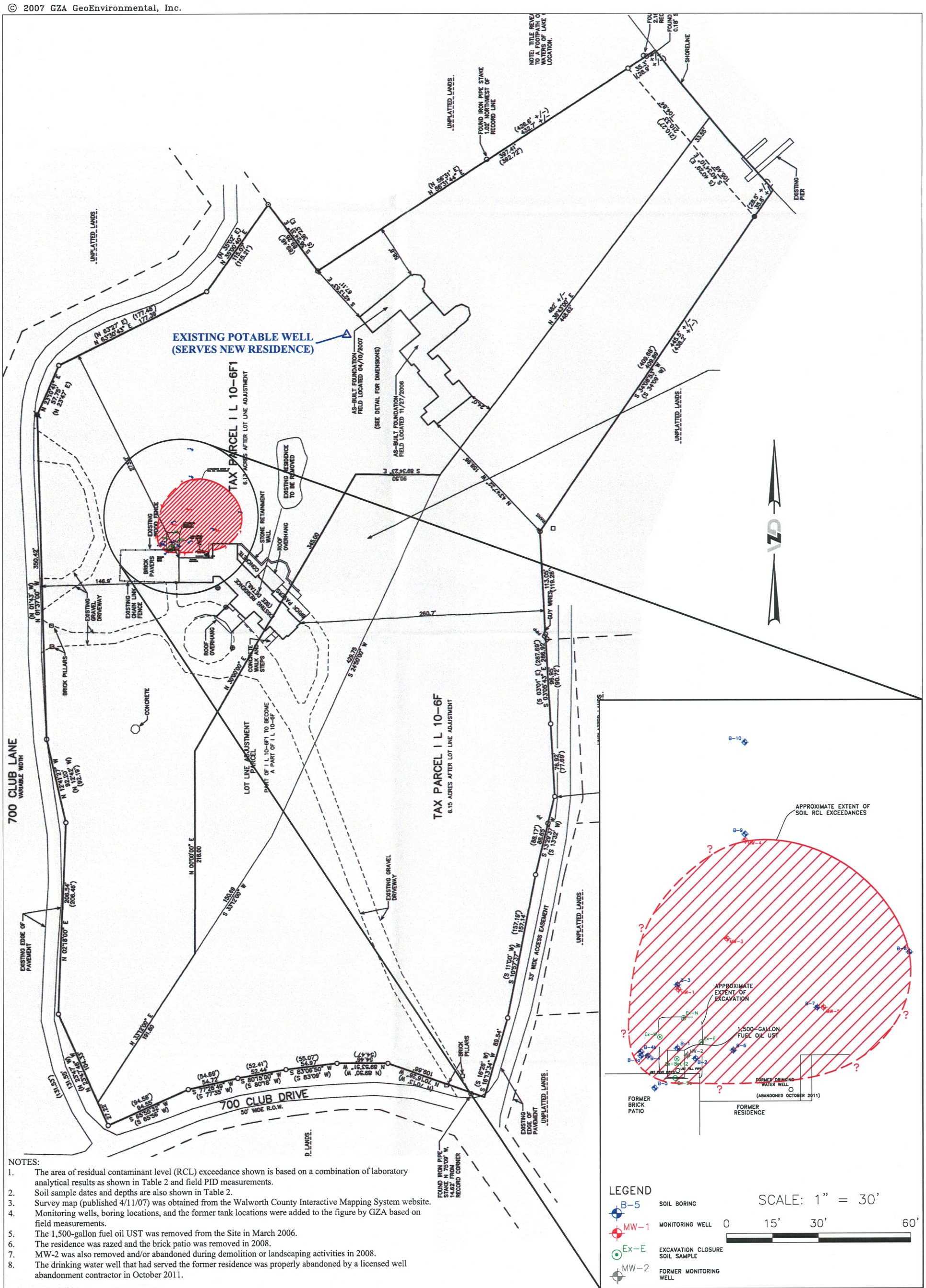


NOTES:

1. The area of residual contaminant level (RCL) exceedance shown is based on a combination of laboratory analytical results as shown in Table 2 and field PID measurements.
2. Soil sample dates and depths are also shown in Table 2.
3. Survey map (published 4/11/07) was obtained from the Walworth County Interactive Mapping System website.
4. Monitoring wells, boring locations, and the former tank locations were added to the figure by GZA based on field measurements.
5. The 1,500-gallon fuel oil UST was removed from the Site in March 2006.
6. The residence was razed and the brick patio was removed in 2008.
7. MW-2 was also removed and/or abandoned during demolition or landscaping activities in 2008.
8. The drinking water well that had served the former residence was properly abandoned by a licensed well abandonment contractor in October 2011.

FIGURE NO. 3

JOB NO. 151259.40

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

APPROXIMATE EXTENT OF SOIL RCL EXCEEDANCES

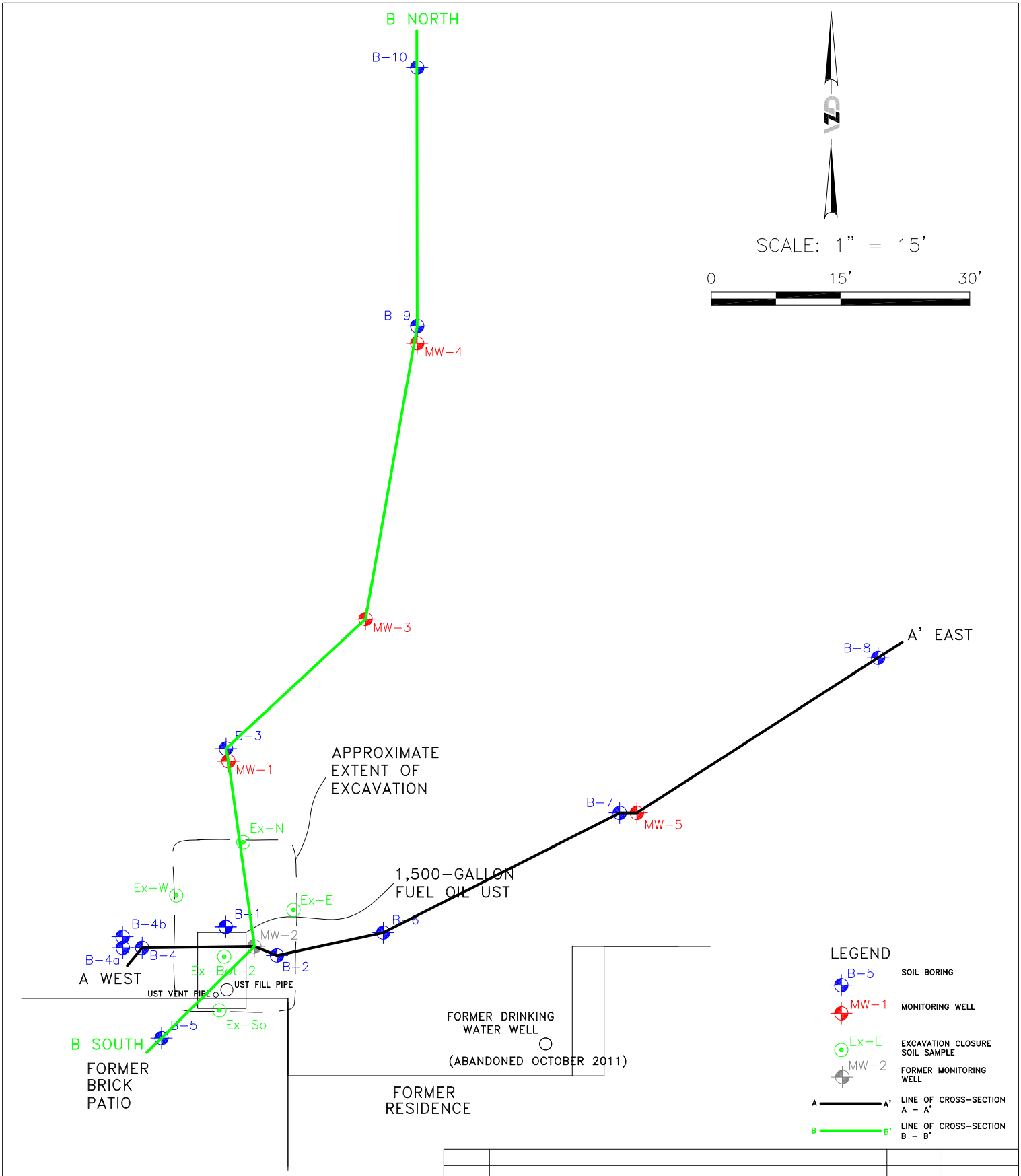
REV. NO.	DESCRIPTION	BY	DATE

SCALE: 1" = 100'
0 50' 100' 200'

PROJ MGR: BGF
DESIGNED BY: CLK
REVIEWED BY: BGF
OPERATOR: JAH
DATE: 11/1/11

GZA GeoEnvironmental, Inc.
20900 Swenson Drive, Suite 150
Waukesha, Wisconsin ♦ 53186 ♦ Phone (262) 754-2560 ♦ Fax (262) 754-9711
www.gza.com

Drawing Name: J:\151200to151299\151259 Bernick\Closure Request 11-07\DRAWINGS\figs.dwg Last Modified: Nov 02, 2011 - 2:59pm Plotted on: Nov 02, 2011 - 4:15pm by justin.hegarty



NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
20900 SWENSON DRIVE, SUITE 150
WAUKESHA, WISCONSIN 53186
(262) 754-2560

PREPARED FOR:

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

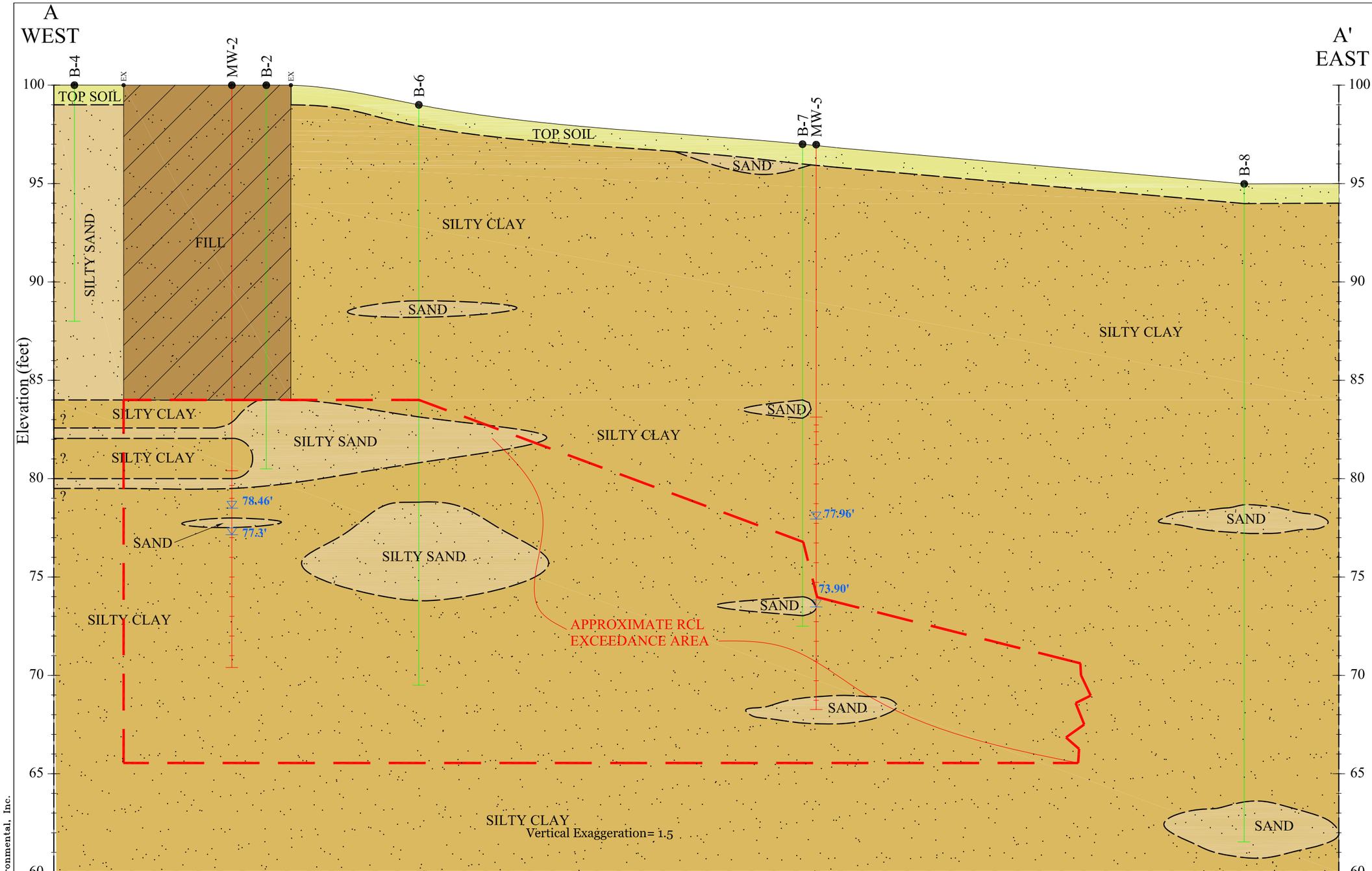
LINES OF CROSS-SECTION
A to A' and B to B'

FIGURE 5

PROJ MGR: BGF	REVIEWED BY: SEK	CHECKED BY: SEK	DATE 11/1/11	PROJECT NO. 20.0151259.40	REVISION NO.
DESIGNED BY: SEK	DRAWN BY: CLK	SCALE:			

SHEET NO.

©2009 – GZA GeoEnvironmental, Inc. GZA-J:\151200to151299\151259 Bernick\Closure Request 11-07\DRAWINGS\figs.dwg [FIG5 LINES OF CROSS SECTION] November 02, 2011 – 2:53pm justin.hegarty



NOTES:

1. Wells, boring locations, and boundaries between sediment types are approximate .
2. Ground surface elevations at monitoring wells are based on GZA survey data (7/07 & 6/10). The highest and lowest groundwater elevation historically measured in each well is shown. Ground surface and water elevations at boring locations are approximate.
3. The approximate RCL exceedance area is based on a combination of PID measurements and laboratory analytical results.

VERTICAL SCALE: 1" = 5'

0 2.5' 5' 10'

HORIZONTAL SCALE: 1" = 7.5'

0 3.75' 7.5' 15'

LEGEND

- Groundwater elevation
- Well screen interval
- Approximate RCL Exceedance Area in Soil

SOIL DEFINITIONS

Fill: Very soft sandy clay with sand, silt, and gravel interspersed.
Silty Sand: Various coarse-grained sediments ranging from silty sand to coarse sand with varying amounts of gravel, depending on location.
Silty Clay: Fine-grained sediments including silt and silty clay.

REV. NO.	DESCRIPTION	BY	DATE

PROJ MGR: BGF
DESIGNED BY: CLK
REVIEWED BY: BGF
DRAWN BY: JAH
DATE: 11/1/11

GZA
GeoEnvironmental, Inc.
20900 Swenson Drive, Suite 150
Waukesha, Wisconsin ♦ 53186 ♦ Phone (262) 754-2560 ♦ Fax (262) 754-9711
www.gza.com

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

GEOLOGIC CROSS SECTION
W TO E (A TO A')

JOB NO.
20.0151259.40

FIGURE NO.
6

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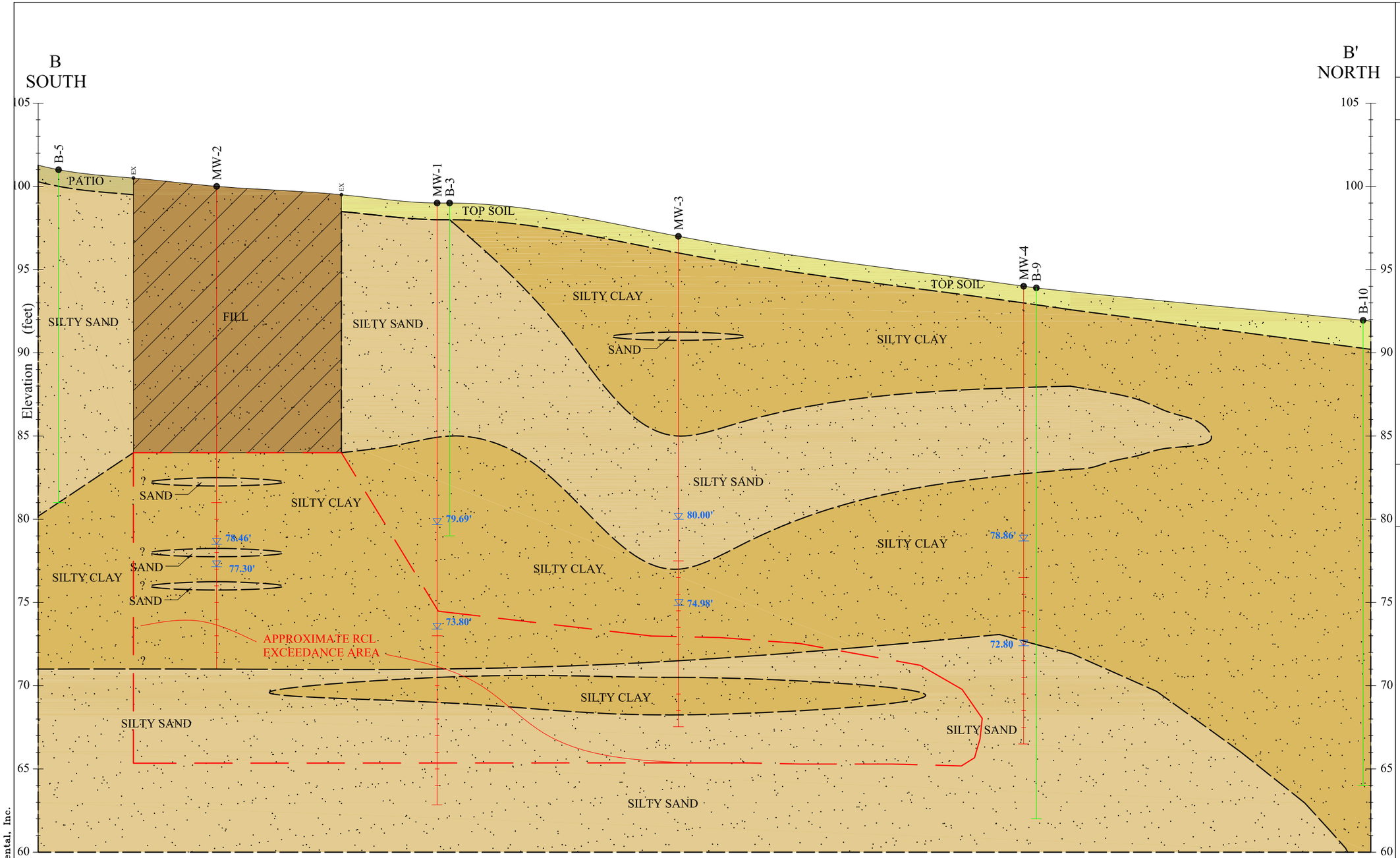
Drawing Name: J:\151200to151299\151259 Bernick\Closure Request 11-07\DRAWINGS\Cross Sections updated 5-19-11.dwg Last Modified: Nov 01, 2011 - 1:07pm Plotted on: Nov 02, 2011 - 2:55pm by justin.hegarty



Vertical Exaggeration= 1.5

VERTICAL SCALE: 1" = 6'
0 3' 6' 12'

HORIZONTAL SCALE: 1" = 9'
0 4.5' 9' 18'

NOTES:

1. Wells, boring locations, and boundaries between sediment types are approximate .
2. Ground surface elevations at monitoring wells are based on GZA survey data (7/07 & 6/10). The highest and lowest groundwater elevation historically measured in each well is shown. Ground surface and water elevations at boring locations are approximate.
3. The approximate RCL exceedance area is based on a combination of PID measurements and laboratory analytical results.

LEGEND

- Groundwater elevation
- Well screen interval
- Approximate RCL Exceedance Area in Soil

SOIL DEFINITIONS

Fill: Very soft sandy clay with sand, silt, and gravel interspersed.
Silty Sand: Various coarse-grained sediments ranging from silty sand to coarse sand with varying amounts of gravel, depending on location.
Silty Clay: Fine-grained sediments including silt and silty clay.

REV. NO.	DESCRIPTION	BY	DATE

PROJ MGR: BGF
DESIGNED BY: CLK
REVIEWED BY: BGF
DRAWN BY: JAH
DATE: 11/1/11

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20900 Swenson Drive, Suite 150
Waukesha, Wisconsin • 53186 • Phone (262) 754-2560 • Fax (262) 754-9711
www.gza.com

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

GEOLOGIC CROSS SECTION
S. TO NORTH (B TO B')

JOB NO.
20.0151259.40

FIGURE NO.
7

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Drawing Name: J:\151200to151299\151259 Bernick\Closure Request 11-07\DRAWINGS\Cross Sections updated 5-19-11.dwg Last Modified: Nov 01, 2011 - 1:07pm Plotted on: Nov 02, 2011 - 2:56pm by justin.hegarty

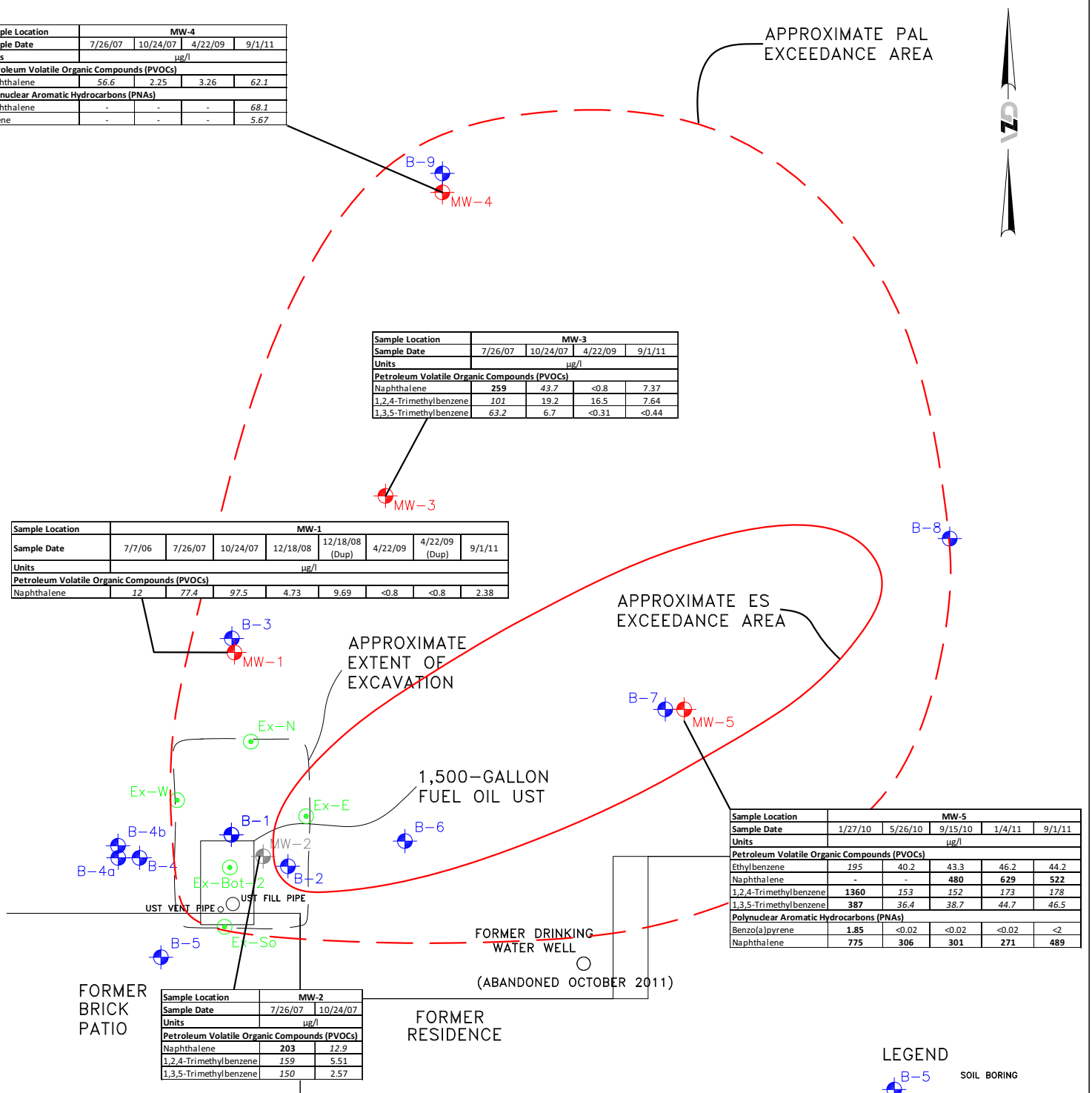
Sample Location	MW-4			
Sample Date	7/26/07	10/24/07	4/22/09	9/1/11
Units	µg/l			
Petroleum Volatile Organic Compounds (PVOCs)				
Naphthalene	*56.6*	2.25	3.26	*62.1*
Polynuclear Aromatic Hydrocarbons (PNAs)				
Naphthalene	-	-	-	*68.1*
Pyrene	-	-	-	*5.67*

Sample Location	MW-3			
Sample Date	7/26/07	10/24/07	4/22/09	9/1/11
Units	µg/l			
Petroleum Volatile Organic Compounds (PVOCs)				
Naphthalene	**259**	*43.7*	<0.8	7.37
1,2,4-Trimethylbenzene	*101*	19.2	16.5	7.64
1,3,5-Trimethylbenzene	*63.2*	6.7	<0.31	<0.44

Sample Location	MW-1							
Sample Date	7/7/06	7/26/07	10/24/07	12/18/08	12/18/08 (Dup)	4/22/09	4/22/09 (Dup)	9/1/11
Units	µg/l							
Petroleum Volatile Organic Compounds (PVOCs)								
Naphthalene	*12*	*77.4*	*97.5*	4.73	9.69	<0.8	<0.8	2.38

Sample Location	MW-5				
Sample Date	1/27/10	5/26/10	9/15/10	1/4/11	9/1/11
Units	µg/l				
Petroleum Volatile Organic Compounds (PVOCs)					
Ethylbenzene	*195*	40.2	43.3	46.2	44.2
Naphthalene	-	-	**480**	**629**	**522**
1,2,4-Trimethylbenzene	**1360**	*153*	*152*	*173*	*178*
1,3,5-Trimethylbenzene	**387**	*36.4*	*38.7*	*44.7*	*46.5*
Polynuclear Aromatic Hydrocarbons (PNAs)					
Benzo(a)pyrene	**1.85**	<0.02	<0.02	<0.02	<2
Naphthalene	**775**	**306**	**301**	**271**	**489**

Sample Location	MW-2	
Sample Date	7/26/07	10/24/07
Units	µg/l	
Petroleum Volatile Organic Compounds (PVOCs)		
Naphthalene	**203**	*12.9*
1,2,4-Trimethylbenzene	*159*	5.51
1,3,5-Trimethylbenzene	*150*	2.57



NOTES:

1. The 1,500-gallon fuel oil UST was removed from the Site in March 2006.
2. The residence was razed and the brick patio was removed in 2008.
3. MW-2 was also removed and/or abandoned during demolition or landscaping activities in 2008.
4. The drinking water well that had served the former residence was properly abandoned by a licensed well abandonment contractor in October 2011.
5. Groundwater concentrations are provided in micrograms per liter (ug/l), as shown.
6. Only results for petroleum volatile organic compounds (PVOCs) and polynuclear aromatics (PNAs) that historically exceeded Wisconsin Administrative Code (WAC) Chapter NR 140 Enforcement standards (ESs) and Preventative Action Limits (PALs) are provided.
7. **BOLD** font indicates an ES exceedance. *Italics* font indicates a PAL exceedance.
8. The approximate ES exceedance area (based on the most recent analytical results for each well) is shown.

SCALE: 1" = 15'

0 15' 30'

LEGEND

B-5 SOIL BORING

MW-1 MONITORING WELL

Ex-E EXCAVATION CLOSURE SOIL SAMPLE

MW-2 FORMER MONITORING WELL

NO.	ISSUE/DESCRIPTION	BY	DATE

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PREPARED FOR:

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

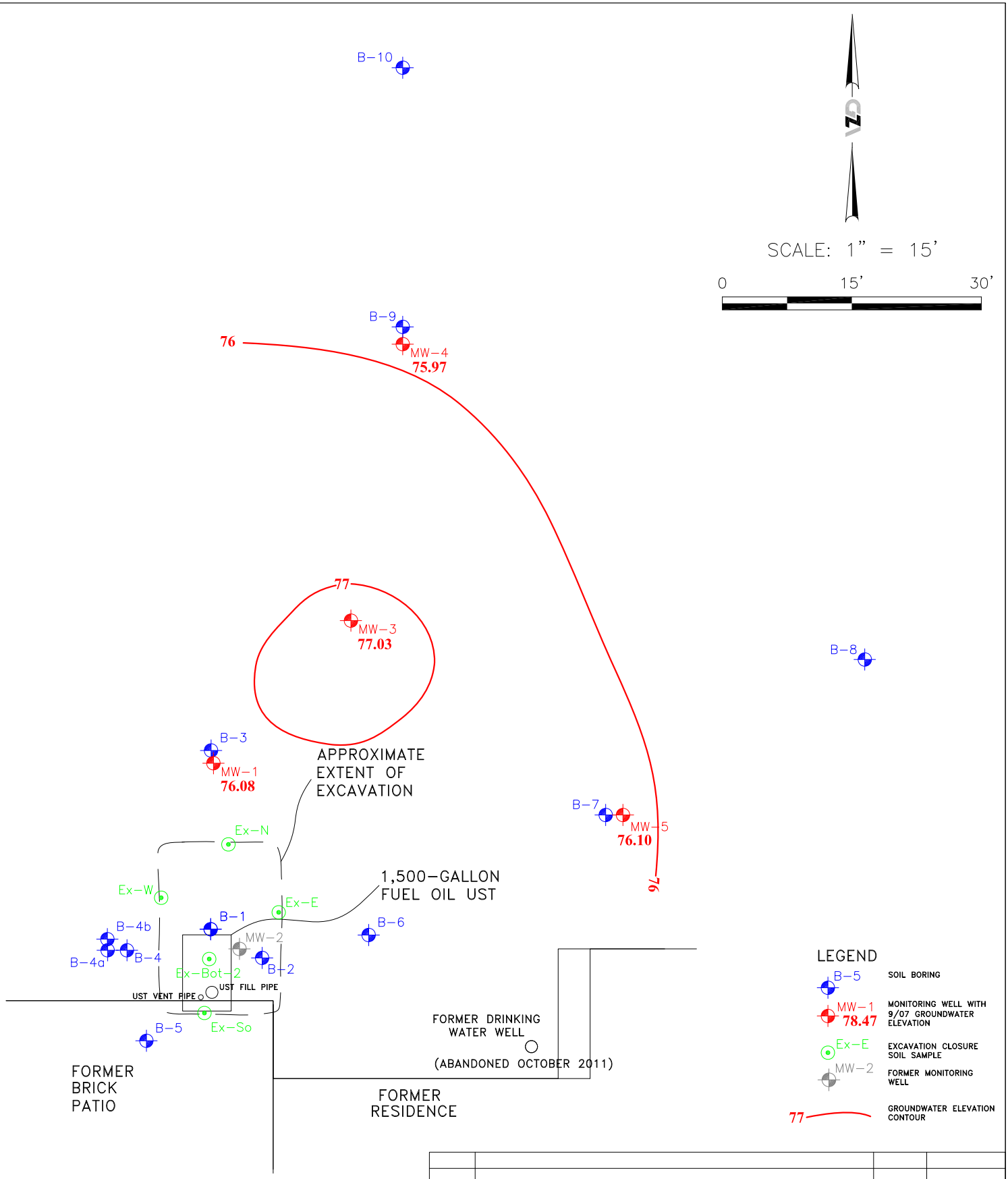
HISTORICAL GROUNDWATER ES AND PAL EXCEEDANCES

FIGURE 4

PROJ MGR: BGF	REVIEWED BY: SEK	CHECKED BY: SEK	DATE 11/1/11	PROJECT NO. 20.0151259.40	REVISION NO.
DESIGNED BY: SEK	DRAWN BY: CLK	SCALE:			

SHEET NO.

©2009 – GZA GeoEnvironmental, Inc. GZA-J:\151200to151299\151259 Bernick\Closure Request 11-07\DRAWINGS\figs.dwg [FIG4 HISTORICAL ES & PAL] November 02, 2011 – 2:52pm justin.hegarty



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PREPARED FOR:

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

GROUNDWATER FLOW MAP
SEPTEMBER 15, 2010

PROJ MGR: BGF	REVIEWED BY: SEK	CHECKED BY: SEK	DATE 11/1/11	PROJECT NO. 20.0151259.40	REVISION NO.
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FIGURE
8
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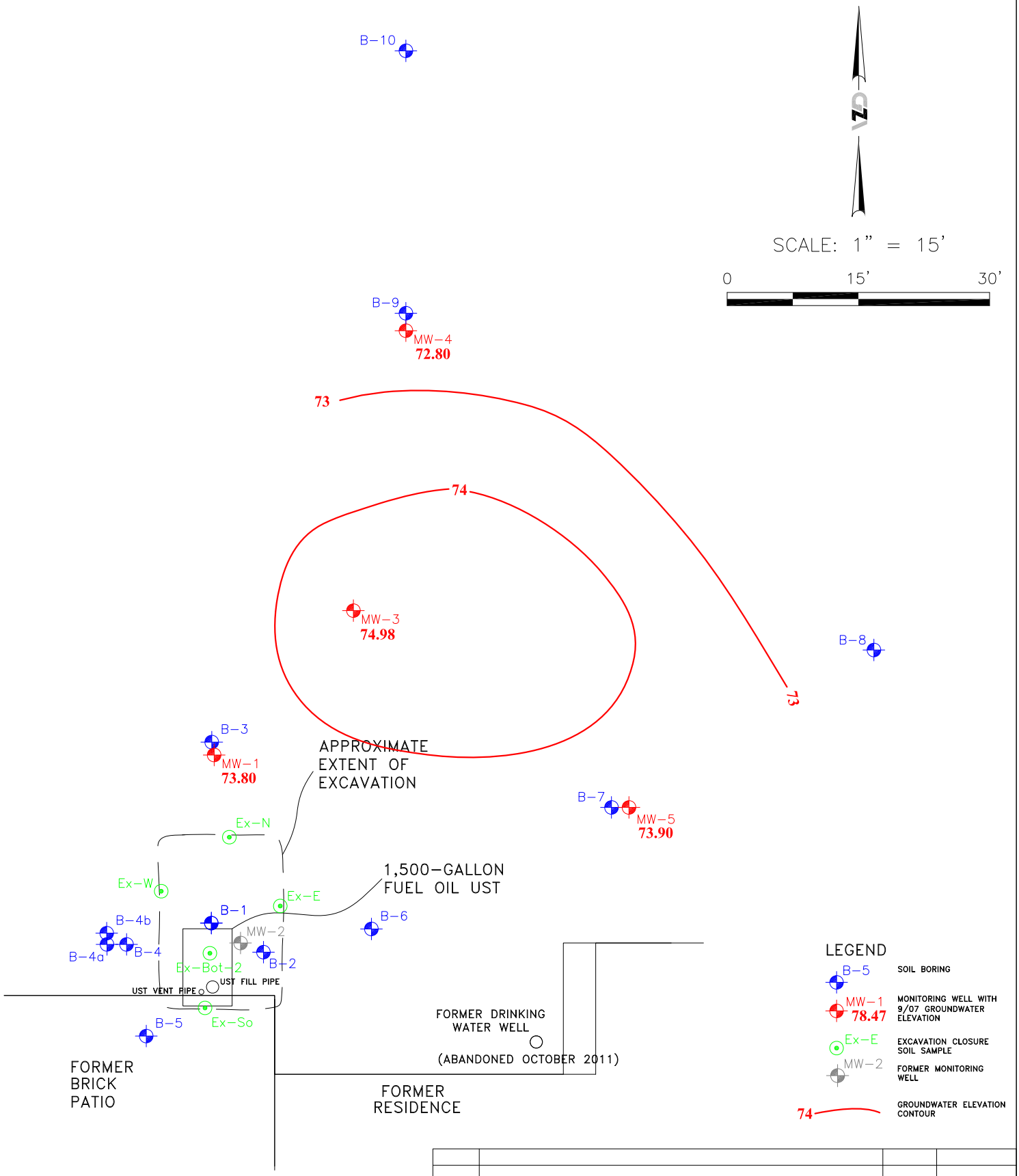

NO.	ISSUE/DESCRIPTION	BY	DATE

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PREPARED FOR:

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

GROUNDWATER FLOW MAP
JANUARY 4, 2011

FIGURE 9

SHEET NO.

PROJ MGR: BGF	REVIEWED BY: SEK	CHECKED BY: SEK	DATE 11/1/11	PROJECT NO. 20.0151259.40	REVISION NO.
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TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
N1940 700 Club Lane
Town of Linn, Wisconsin

Parameter	Units	Comm 46, Table 1 Values	NR 720, Table 1 RCLs (Protection of Groundwater)	Sample Number and Depth															
				B-2 (14'-16')	EX-Bot-2	EX-N	EX-W	EX-So.	EX-E	MW-1 (25'-27')	B-6 (22.5'-24.5')	B-7 (20'-22')	MW-2 (22'-23.5')	MW-3 (22'-24')	MW-4 (19.5'-21.5')	MW-5 (28'-32')	B-8 (24'-26')	B-9 (22'-24')	B-10 (24'-26')
				10/4/2005 (Phase II ESA) (1)	3/27/06-3/28/06 (Tank Removal/Closure) (2)					7/6/06-7/7/06 (Site Investigation) (3)			7/10/07 and 7/26/07 (Additional Site Investigation) (4)			1/27/10 (Additional Site Investigation)(5)			
DRO	mg/kg	NS	100	**840**	**580**	5.3	28	31	**970**	**1500**	**3600**	**720**	NA	NA	NA	NA	NA	NA	NA
PVOCs																			
Ethylbenzene	µg/kg	4,600	2,900	<27	<140	<27	<27	<27	<26	NA	NA	NA	<18	<18	<18	2,400	<18	<19	<19
Naphthalene	µg/kg	2,700	400 (11)	NA	**3,700**	<54	<54	91	<950	NA	NA	NA	305	<18	<18	NA	NA	NA	NA
Toluene	µg/kg	38,000	1,500	<27	<140	<27	<27	<27	<26	NA	NA	NA	143	<18	<18	1,090	<17	<18	<18
1,2,4-Trimethylbenzene	µg/kg	83,000	7,570 (12)	150	150	<27	<27	<27	130	NA	NA	NA	290	<13	<13	**27,800**	299	<13	<14
1,3,5 Trimethylbenzene	µg/kg	11,000	3,520 (12)	76	<140	<27	<27	<27	<26	NA	NA	NA	<18	<18	<18	**10,000**	155	<19	<19
Xylenes	µg/kg	42,000	4,100	<80	<410	<81	<81	<82	<79	NA	NA	NA	<37	<37	<37	**6,430**	<37	<38	<39

Parameter	Units	Groundwater Pathway SCL	Direct Contact Pathway SCL (Non-Industrial)	Direct Contact Pathway SCL (Industrial)	Sample Number and Depth															
					B-2 (14'-16')	EX-Bot-2	EX-N	EX-W	EX-So.	EX-E	MW-1 (25'-27')	B-6 (22.5'-24.5')	B-7 (20'-22')	MW-2 (22'-23.5')	MW-3 (22'-24')	MW-4 (19.5'-21.5')	MW-5 (28'-32')	B-8 (24'-26')	B-9 (22'-24')	B-10 (24'-26')
					10/4/2005 (Phase II ESA) (1)	3/27/06-3/28/06 (Tank Removal/Closure) (2)					7/6/06-7/7/06 (Site Investigation) (3)			7/10/07 and 7/26/07 (Additional Site Investigation) (4)			1/27/10 (Additional Site Investigation)(5)			
PNAs																				
Acenaphthene	µg/kg	38,000	900,000	60,000,000	NA	NA	NA	NA	NA	NA	320	470	<55	NA	NA	NA	<53.8	<51.6	<52.6	<52.2
Anthracene	µg/kg	3,000,000	5,000,000	300,000,000	NA	NA	NA	NA	NA	NA	260	290	<5.5	NA	NA	NA	<36.6	<35.1	<35.8	<35.5
Benzo(a)anthracene	µg/kg	17,000	88	3,900	NA	NA	NA	NA	NA	NA	**130**	**140**	<5.5	NA	NA	NA	<46.9	<45.0	<45.9	<45.5
Chrysene	µg/kg	37,000	8,800	390,000	NA	NA	NA	NA	NA	NA	<55	38	<5.5	NA	NA	NA	<26.3	<25.2	<25.7	<25.5
Fluoranthene	µg/kg	500,000	600,000	40,000,000	NA	NA	NA	NA	NA	NA	2,300	2,300	<11	NA	NA	NA	<29.7	<28.5	<29.1	<28.9
Fluorene	µg/kg	100,000	600,000	40,000,000	NA	NA	NA	NA	NA	NA	1,000	1,200	<11	NA	NA	NA	<37.8	<36.2	<36.9	<36.6
1-Methylnaphthalene	µg/kg	23,000	1,100,000	70,000,000	NA	NA	NA	NA	NA	NA	6,900	9,200	240	NA	NA	NA	**52,000**	580	1,260	<41.1
2-Methylnaphthalene	µg/kg	20,000	600,000	40,000,000	NA	NA	NA	NA	NA	NA	1,200	4,300	<27	NA	NA	NA	**96,900**	<45.0	<45.9	<45.5
Naphthalene	µg/kg	400	20,000	110,000	NA	NA	NA	NA	NA	NA	100	**470**	<33	NA	NA	NA	**20,400**	<50.5	<51.5	<51.1
Phenanthrene	µg/kg	1,800	18,000	390,000	NA	NA	NA	NA	NA	NA	**2,000**	**1,800**	<5.5	NA	NA	NA	<46.9	<45.0	<45.9	<45.5
Pyrene	µg/kg	8,700,000	500,000	30,000,000	NA	NA	NA	NA	NA	NA	950	280	<5.5	NA	NA	NA	<32.3	<31	<31.5	<31.3

Notes:
1. Samples were collected by GZA GeoEnvironmental, Inc. (GZA) on October 4, 2005, and analyzed by Test America of Watertown, Wisconsin using Method 8020 for petroleum volatile organic compounds (PVOCs) and the Wisconsin Department of Natural Resources Modified Diesel Range Organics (WDNR DRO) Method for DRO.
2. Samples were collected by GZA on 3/27-3/28/06 and analyzed by Test America using Method 8020 for PVOCs and the WDNR DRO Method for DRO.
3. Samples were collected by GZA on 7/6-7/7/06 and analyzed by Test America using Method 8310 for polynuclear aromatics (PNAs) and the WDNR DRO Method for DRO.
4. Samples were collected by GZA on 7/10/07 and 7/26/07 and analyzed by Siemens Water Technologies Corp. (Siemens) using Method 8021B for PVOCs.
5. Samples were collected by GZA on 1/27/10 and analyzed by Siemens using Method 8021B for PVOCs and Method 8310 for PNAs.
6. Only detected PVOCs and PNAs results are presented.
7. DRO results are provided in milligrams per kilogram (mg/kg). Results for PVOCs and PNAs are provided in micrograms per kilogram (µg/kg), as shown.
8. NA = Sample not analyzed for that parameter.
9. The residual contaminant level (RCL) for DRO was obtained from Wisconsin Administrative Code (WAC) Chapter NR720.
10. The RCLs for PVOCs were obtained from Comm 46 Table 1, Indicators of Residual Petroleum Product in Soil Pores and WAC Chapter NR 720, Table 1.
11. The soil cleanup levels (SCLs) for PAHs were obtained from the "Soil Cleanup Levels for PAHs Interim Guidance" document, Table 1.
12. RCL calculated from USEPA web calculator accessed at: http://rais.ornl.gov/epa/ssl1.htm and using inputs from the WDNR guidance document accessed at: http://www.dnr.state.wi.us/org/aw/rr/archives/pubs/RR682.pdf.
13. **Bold** concentrations indicate the exceedance of the lowest listed RCL/SCL.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
N1940 700 Club Lane
Town of Linn, Wisconsin

Parameter	Units	WAC NR 140		Well 1 (Potable Site Well)	MW-1								MW-2		MW-3				MW-4				MW-5				
		ES	PAL	10/4/05	7/7/06	7/26/07	10/24/07	12/18/08	12/18/08 (Dup)	4/22/09	4/22/09 (Dup)	9/1/11	7/10/07	10/24/07	7/26/07	10/24/07	4/22/09	9/1/11	7/26/07	10/24/07	4/22/09	9/1/11	1/27/10	5/26/10	9/15/10	1/4/11	9/1/11
VOCs																											
sec-Butylbenzene	µg/l	NS	NS	-	1.4	-	-	-	-	-	-	-	<20	-	<2	-	-	-	<2	-	-	-	-	-	-	-	-
Ethylbenzene	µg/l	700	140	<0.22	1.6 (J)	4.28 (J)	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	16.6	0.637 (J)	24.7	7.8	<0.5	0.898	14.8	0.8	<0.5	5.81	*195*	40.2	43.3	46.2	44.2
Isopropylbenzene	µg/l	NS	NS	-	1.4	-	-	-	-	-	-	-	10.3	-	5.56	-	-	-	2.98	-	-	-	-	-	-	-	-
p-Isopropyltoluene	µg/l	NS	NS	-	3.8	-	-	-	-	-	-	-	27.9	-	6.87	-	-	-	2.1 (J)	-	-	-	-	-	-	-	-
Naphthalene	µg/l	100	10	-	*12*	*77.4*	*97.5*	4.73	9.69	<0.8	<0.8	2.38	**203**	*12.9*	**259**	*43.7*	<0.8	7.37	*56.6*	2.25	3.26	*62.1*	-	-	**480**	**629**	**522**
n-Propylbenzene	µg/l	NS	NS	-	3.2	-	-	-	-	-	-	-	<10	-	<1	-	-	-	<1	-	-	-	-	-	-	-	-
Toluene	µg/l	1,000	200	<0.11	<0.2	<1.5	5.89	<0.3	<0.3	<0.3	<0.37	<0.37	<40	0.369 (J)	9.08 (J)	<1.5	<0.3	<0.37	11.6 (J)	1.55	<0.3	5.21	<37	3.49	<7.4	6.46	3.67
1,2,4-Trimethylbenzene	µg/l	480	96	<0.25	21	22.6	31.1	2.1	2.74	<0.4	<0.4	0.701	*159*	5.51	*101*	19.2	16.5	7.64	45.8	2.96	7.64	33.4	**1,360**	*153*	*152*	*173*	*178*
1,3,5-Trimethylbenzene	µg/l			<0.19	8.1	7.17	10.2	<0.31	<0.31	<0.31	<0.44	<0.44	*150*	2.57	*63.2*	6.7	<0.31	<0.44	30.9	1.1	0.744 (J)	8.69	**387**	*36.4*	*38.7*	*44.7*	*46.5*
Total Xylenes	µg/l	10,000	1,000	<0.39	4.6	8.91 (J)	4.69 (J)	1.22 (J)	1.59 (J)	<0.98	<1.39	<0.77	<40	1.31 (J)	87.2	8.22	2.6 (J)	1.24	46.2	4.59	3.63 (J)	23.8	355.2	65.2	74.3	78.8	70
PNAs																											
Acenaphthene	µg/l	NS	NS	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	1.26	-	-	-	20	<1.33	<0.12	<0.12	<0.12	28.5
Acenaphthylene	µg/l	NS	NS	-	-	-	-	-	-	-	-	<0.04	-	-	-	-	-	0.42	-	-	-	5.86	<1.33	<0.12	<0.12	<12	8.23
Anthracene	µg/l	3,000	600	-	-	-	-	-	-	-	-	0.05	-	-	-	-	-	0.77	-	-	-	10.8	<1	<0.09	<0.09	<0.09	7.35
Benzo(a)pyrene	µg/l	0.2	0.02	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-	<0.1	-	-	-	<1	**1.85**	<0.02	<0.02	<0.02	<2
Benzo(g,h,i)perylene	µg/l	NS	NS	-	-	-	-	-	-	-	-	<0.04	-	-	-	-	-	<0.2	-	-	-	<2	1.25	<0.06	<0.06	<0.06	<2
Benzo(k)fluoranthene	µg/l	NS	NS	-	-	-	-	-	-	-	-	<0.04	-	-	-	-	-	<0.2	-	-	-	<2	2.09	<0.07	<0.07	<0.04	<2
Fluorene	µg/l	400	80	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	1.7	-	-	-	25.5	<1.33	<0.12	<0.12	<0.12	32.7
1-Methylnaphthalene	µg/l	NS	NS	-	-	-	-	-	-	-	-	0.88	-	-	-	-	-	20.6	-	-	-	376	2,360	395	384	411	959
2-Methylnaphthalene	µg/l	NS	NS	-	-	-	-	-	-	-	-	0.14	-	-	-	-	-	<0.2	-	-	-	345	3,470	560	521	613	1,420
Naphthalene	µg/l	100	10	-	-	-	-	-	-	-	-	<0.04	-	-	-	-	-	<0.2	-	-	-	*68.1*	**775**	**306**	**301**	**271**	**489**
Phenanthrene	µg/l	NS	NS	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	3.3	-	-	-	49.1	<1.22	<0.11	<0.11	<0.11	37.4
Pyrene	µg/l	250	5	-	-	-	-	-	-	-	-	0.06	-	-	-	-	-	0.55	-	-	-	*5.67*	<1.11	<0.1	<0.1	<0.1	3.48

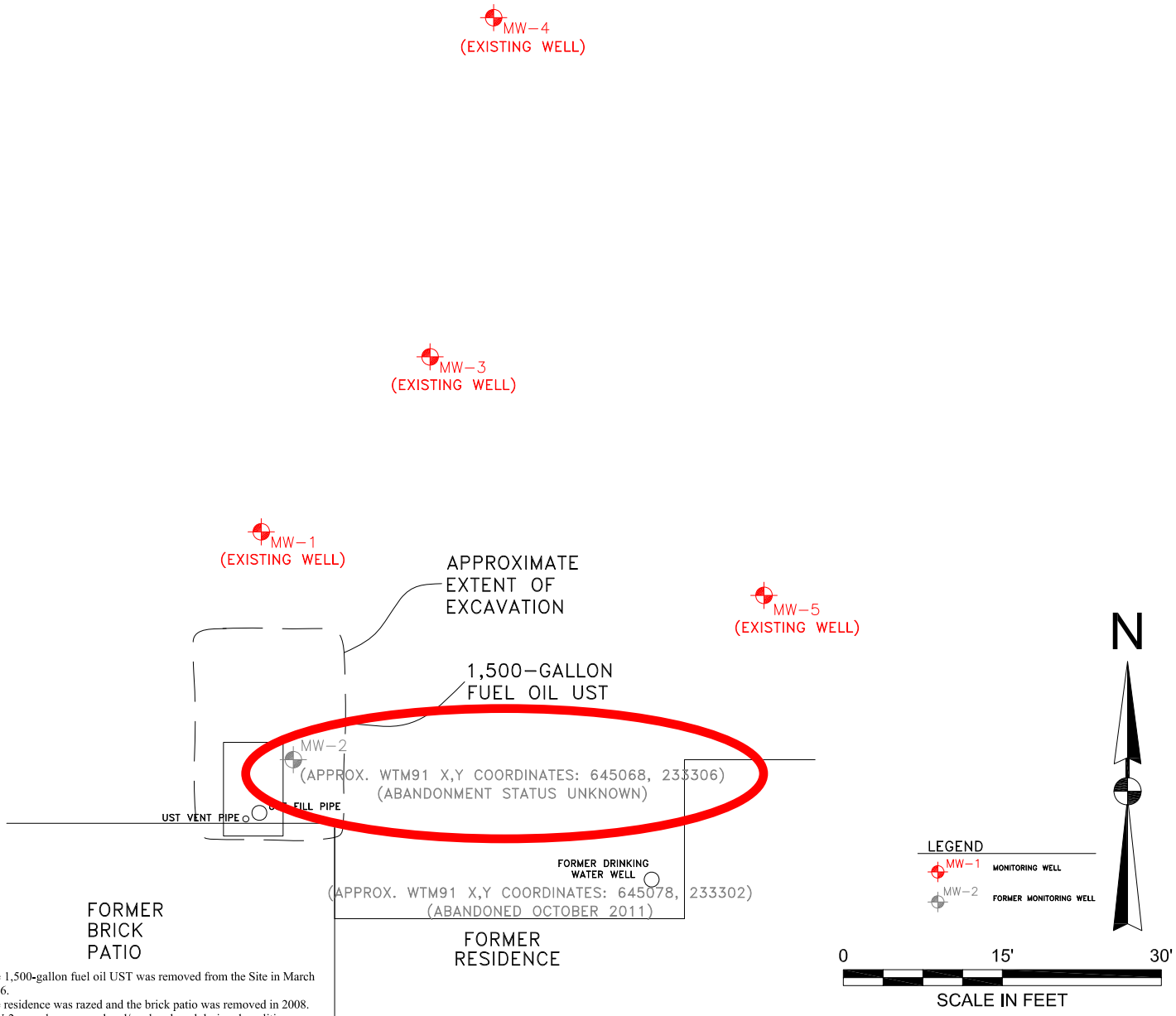
Notes:
1. Sample dated October 4, 2005 was collected by GZA GeoEnvironmental, Inc. (GZA) and submitted to TestAmerica of Watertown, Wisconsin for analysis of petroleum volatile organic compounds (PVOCs) using Method 8020 and diesel range organics (DRO) using the Wisconsin Department of Natural Resources Modified DRO (WDNR DRO) Method. PVOC results are presented in the table. The DRO result was <0.10 milligrams per liter (mg/l).
2. Sample dated July 7, 2006 was collected by GZA and analyzed by TestAmerica using Method 8260B for volatile organic compounds (VOCs).
3. Samples dated July 10 and July 26, 2007 were collected by GZA and analyzed by Siemens Water Technologies Corp. (Siemens) of Rothschild, Wisconsin using Method 8260B for VOCs (MW-2 through MW-4) and Method 8021B for PVOCs and naphthalene (MW-1).
4. Samples dated after July 26, 2007 were collected by GZA and analyzed by Siemens using Method 8021B for PVOCs and naphthalene.
5. Samples collected in 2010 and 2011 were also analyzed by Siemens for polynuclear aromatic hydrocarbons (PNAs) using Method 8310.
6. VOC results are provided in micrograms per liter (µg/l), as shown.
7. Only results for detected compounds are presented.
8. NS = No established standard.
9. "-" denotes that the sample was not analyzed for that parameter.
10. Wisconsin Administrative Code (WAC) Chapter NR 140 Enforcement Standards (ESs) and Preventive Action Limits (PALs) are provided for reference where established. **Bold** font indicates the constituent was detected above the ES and *Italics* indicates the constituent was detected above the PAL. The ES and PAL for Trimethylbenzene are combined for 1,2,4- and 1,3,5-Trimethylbenzenes. The ES and PAL for Xylenes are for Total Xylenes.
11. J = Results reported between the Method Detection Limit (MDL) and Limit of Quantification (LOQ). These results are less certain than results at or above the LOQ.

TABLE 1
GROUNDWATER ELEVATIONS
N1940 700 Club Lane
Town of Linn, Wisconsin

Location	Ground Surface Reference Elevation	Top of Well Casing Reference Elevation	Total Well Depth	Total Well Depth	Well Screen Length	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)	Groundwater Depth (ft below TOC)	Groundwater Elevation (ft)
	(ft)	(ft)	(ft below TOC)	(ft bgs)	(ft)	07/26/07		10/24/07		04/22/09		06/24/10		09/15/10		10/15/10		01/04/11		09/01/11	
MW-1	99.12	98.27	35.3	36.2	10	21.55	76.72	19.80	78.47	19.42	78.85	19.47	78.80	21.47	76.80	21.41	76.86	24.47	73.80	18.58	79.69
MW-2	100.00	99.75	29.0	29.2	10	22.45	77.30	21.29	78.46	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	97.21	97.11	29.7	29.8	10	21.86	75.25	19.20	77.91	18.22	78.89	18.29	78.82	20.08	77.03	19.61	77.50	22.13	74.98	17.11	80.00
MW-4	94.26	94.01	27.7	27.9	10	20.17	73.84	16.82	77.19	15.85	78.16	-	-	18.04	75.97	17.77	76.24	21.21	72.80	15.15	78.86
MW-5	96.61	96.40	28.1	28.3	15	-	-	-	-	-	-	18.99	77.41	20.30	76.10	20.09	76.31	22.50	73.90	18.44	77.96

Notes:
1. Monitoring wells MW-1 through MW-4 were surveyed by GZA GeoEnvironmental, Inc. (GZA) on July 26, 2007.
2. July 26, 2007 surveyed elevations were referenced to the ground surface adjacent to MW-2.
3. ft below TOC = feet below top of casing; ft bgs = feet below ground surface.
4. The groundwater depth in MW-5 was also measured (19.60 feet below TOC) during a sampling event on May 26, 2010.
5. Monitoring well MW-5 was surveyed by GZA on June 24, 2010.
6. The surveyed elevations for MW-5 were referenced to the top of MW-1 well casing.
7. "-" denotes that the groundwater level in the well was not measured.
8. MW-2 was removed or abandoned during demolition or landscaping activities in 2008.

IMPROPERLY ABANDONED MONITORING WELL



NOTES:

1. The 1,500-gallon fuel oil UST was removed from the Site in March 2006.
2. The residence was razed and the brick patio was removed in 2008.
3. MW-2 was also removed and/or abandoned during demolition or landscaping activities in 2008.
4. The drinking water well that had served the former residence was properly abandoned by a licensed well abandonment contractor in October 2011.

NO.	ISSUE/DESCRIPTION	BY	DATE

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PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
20900 SWENSON DRIVE, SUITE 150
WAUKESHA, WISCONSIN 53186
(262) 754-2560

PREPARED FOR:

MONITORING WELL LOCATION MAP

N1940 700 CLUB LANE
TOWN OF LINN, WISCONSIN

FIGURE 2a

SHEET NO.

PROJ MGR: BGF	REVIEWED BY: SEK	CHECKED BY: SEK	DATE 11/1/11	PROJECT NO. 20.0151259.40	REVISION NO.
DESIGNED BY: SEK	DRAWN BY: CLK	SCALE:			

©2009 – GZA GeoEnvironmental, Inc. GZA-J:\151200to151299\151259 Bernick\Closure Request 11-07\DRAWINGS\MONITORING WELL LOCATION MAP.dwg [fig 2] November 02, 2011 – 2:50pm justin.hegarty

IMPROPERLY ABANDONED MONITORING WELL

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Lake House Community Trust	Local Grid Location of Well: 233284 ft. ☒ N. ☐ S. 645113 ft. ☒ E. ☐ W.	Well Name: MW-2
Facility License, Permit or Monitoring Number	Local Grid Origin ☐ (estimated: ☒) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 265118370	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 10 T. 1 N,R 17 ☒ E. ☐ W.	Date Well Installed: 7/10/07
Type of Well: Well Code 11MW	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot #
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐		Well Installed By: Name (first, last) and Firm: Tim Ebert, Wisconsin Soil Testing

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 99.75 ft. MSL

C. Land surface elevation 100 ft. MSL

D. Surface seal, bottom 99 ft MSL or 1 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attach analysis if required):

_____

E. Bentonite seal, top 99 ft. MSL or 1 ft.

F. Fine sand, top 82.5 ft. MSL or 17.5 ft.

G. Filter pack, top 81 ft. MSL or 19 ft.

H. Screen joint, top 80.8 ft. MSL or 19.2 ft.

I. Well bottom 70.8 ft. MSL or 29.2 ft.

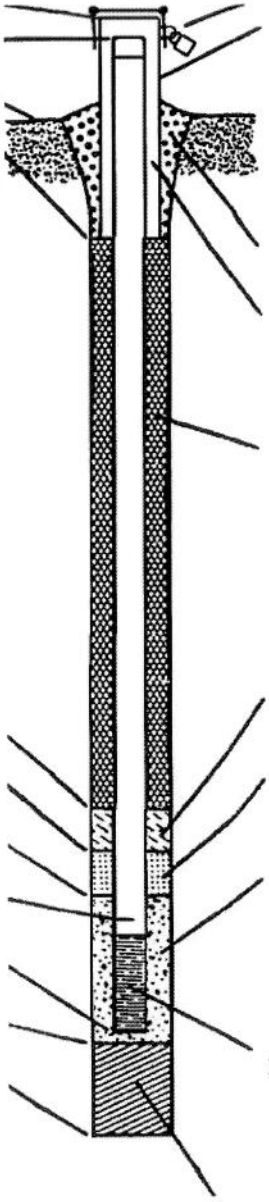
J. Filter pack, bottom 63.5 ft. MSL or 36.5 ft.

K. Borehole bottom 63.5 ft. MSL or 36.5 ft.

L. Borehole diameter 6.25 in.

M. O.D. well casing 1.32 in.

N. I.D. well casing 1.05 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; _____ Other ☐ __

4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ __; _____ Other ☐ __

5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.... Bentonite slurry ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. Bentonite Chips Other ☒ __

7. Fine sand Material: Manufacturer, product name & mesh size
a. 3545 Red Flint, Fine __
b. Volume added 1/2 bag ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. 8120 Red Flint, Coarse __
b. Volume added 3 bags ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ __

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; _____ Other ☐ __
b. Manufacturer Env'l Well Products
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☐ 14; Red Flint Coarse Sand Other ☒ __

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

Signature	Firm
Susan Karlo	GZA GeoEnvironmental, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

IMPROPERLY ABANDONED MONITORING WELL

GZA
GeoEnvironmental, Inc.

Engineers and Scientists

November 4, 2011
File No. 20.0151259.40

Lake House Continuity Trust
N1940 700 Club Lane
Town of Linn, Wisconsin

Attention: Ms. Carol Bernick

Subject: Notification of Improper Well Abandonment at
N1940 700 Club Lane
Town of Linn, Wisconsin
Commerce Case No. 53147-4035-40
WDNR BRRTS Case No. 03-65-544605
FID - 2651183700

20900 Swenson Drive, Suite 150
Waukesha
Wisconsin 53186
(262) 754-2560
Fax (262) 754-9711
www.gza.com

Dear Ms. Bernick:

I am writing to notify you that monitoring well MW-2 was damaged, removed, or abandoned during demolition and landscaping activities that took place in 2008 at your property located at N1940 700 Club Lane in the Town of Linn, Wisconsin ("Site"). Attached is the well construction report for monitoring well MW-2, as well as a Site Plan that depicts its former location on the Site.

Please note that the drinking water well that had serviced the former residence, which had also been buried during 2008 demolition and landscaping activities, was located and properly abandoned by a licensed well abandonment contractor in October 2011.

If in the future you receive an abandonment form for monitoring well MW-2, please submit the form to Ms. Victoria Stovall, Wisconsin Department of Natural Resources (WDNR), 2300 North Martin Luther King Drive, Milwaukee, Wisconsin 53212.

Monitoring wells MW-1, MW-3, MW-4 and MW-5 are still present at the Site and will be maintained until regulatory closure is granted for the Site. Upon receiving notification of regulatory closure, the existing wells will need to be abandoned and the required Chapter NR 141 abandonment forms subsequently submitted to WDNR.

If you have any questions or comments, or require additional information, please feel free to contact the undersigned at (262) 754-2560.

Very truly yours,

GZA GeoEnvironmental, Inc.

Susan E. Karls

Susan E. Karls
Hydrogeologist

J:\151200to151299\151259 Bernick\40 2011 Closure Request\NOVEMBER 2011 CLOSURE REQUEST\GIS Registry\Improperly Abandoned Wells\12d. Notification Letter.doc

Attachments

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