GIS REGISTRY
Cover Sheet

March, 2010
(RR 5367)

Source Property Information

CLOSURE DATE: Apr 16, 2010

BRRTS #: **03-14-001998**

FID #: 114002900

ACTIVITY NAME: Fox Lake Correctional Institution

DATCP #:

PROPERTY ADDRESS: W10237 Lake Emily Road

COMM #:

MUNICIPALITY: Fox Lake

PARCEL ID #: 018-1313-1112-000

***WTM COORDINATES:**

X: **607553** Y: **349638**

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

WTM COORDINATES REPRESENT:

- (●) Approximate Center Of Contaminant Source
- ( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

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

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

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

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

Land Use Controls:

- [x] N/A (*Not Applicable*)
- [ ] Soil: maintain industrial zoning *(220)*

  *(**note:** soil contamination concentrations between non-industrial and industrial levels)*
- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [ ] Cover or Barrier *(222)*

  *(**note:** maintenance plan for groundwater or direct contact)*
- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

  *(**note:** local government unit or economic development corporation was directed to take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

( ) Yes (●) No ( ) N/A

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

GIS Registry Checklist

Form 4400-245 (R 3/10)

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 #: 03-14-001998 PARCEL ID #: 018-1313-1112-000

ACTIVITY NAME: Fox Lake Correctional Institution WTM COORDINATES: X: 607553 Y: 349638

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.*
- [ ] **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:**
- [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**
- [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 #: **Title: Site Layout**
- [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 #: 3-1 **Title: Soil Boring/Monitoring Well Location**

BRRTS #: 03-14-001998 ACTIVITY NAME: Fox Lake Correctional Institution

MAPS (continued)

☒ **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 #: **Title: Geologic Cross Section A-A and B-B**

Figure #: **Title:**

☒ **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 #: **Title: Geologic Cross Section A-A and B-B**

☒ **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 #: 1 **Title: Water Table Map**

Figure #: 2` **Title: Water Table Map**

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.

☒ **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 #: 4-3 **Title: Soil Boring Analytical Results**

☒ **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 #: MW1 **Title: Product Levels**

☒ **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 #: **Title: Groundwater Elevation Summary**

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**

☒ **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 #: **Title: Improperly Abandoned Monitoring Wells**

☒ **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.

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

BRRTS #: 03-14-001998 ACTIVITY NAME: Fox Lake Correctional Institution

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.*

☐ **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 NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, 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

April 16, 2010

Jim McMillan
Wisconsin Department of Administration
101 East Wilson Street
Madison, WI 53702

SUBJECT: Final Case Closure
Fox Lake Correctional Institution, W10237 Lake Emily Road, Fox Lake, WI
WDNR BRRTS Activity #: 03-14-001998

Dear Mr. McMillan:

On June 4, 2007, 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. On June 5, 2007, you were notified that the Closure Committee had granted conditional closure to this case.

On March 3, 2010 the Department received information or documentation indicating that you have complied with the requirements for final closure. Conditions of closure included monitoring well abandonment and waste disposal documentation. Two monitoring wells, MW03 and MW12 could not be located and therefore were not properly abandoned.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

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

GIS Registry

The conditions of case closure set out below in this letter require that this site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Groundwater contamination is present above Chapter NR 140 enforcement standards
- One or more monitoring wells were not located and must be properly abandoned if found

This letter and 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 the RR Sites Map page at: http://dnr.wi.gov/org/aw/rr/gis/index.htm. If the 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://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Residual Soil Contamination

Residual soil contamination remains in the vicinity of the former UST basins and pump islands as indicated in the information submitted to the Department of Natural Resources. If soil in the locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, 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 is 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.

Residual Groundwater Contamination

Groundwater impacted by petroleum contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Monitoring Wells That Could Not be Properly Abandoned

On March 3, 2010 your consultant GeoTrans, Inc. notified the Department that monitoring wells MW03 and MW12 located on the subject property depicted on the attached map, could not be properly abandoned because they were missing due to being paved over, covered or removed during site development activities. Your consultant has made a reasonable effort to locate the wells depicted on the attached map and to determine whether they were properly abandoned but has been unsuccessful in those efforts. You need to understand that in the future you may be held liable for any problems associated with monitoring wells MW03 and MW12 if they create a conduit for contaminants to enter groundwater. If in the future any of the groundwater monitoring wells are found, the then current owner of the property on which the well is located will be required to notify the Department, to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

Because these monitoring wells were not properly abandoned, the site will be listed on the DNR Remediation and Redevelopment GIS Registry.

Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, an example of a changed condition requiring prior notification includes, but is not limited to:

- One or more monitoring wells that were not located is found and properly abandoned

Written notifications in accordance with the above requirement must be sent to letterhead address to the attention of the Environmental Program Associate for the South Central Region Remediation and Redevelopment Program.

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) 275-3209.

Sincerely,

Denise Nettesheim
Hydrogeologist
Remediation & Redevelopment Program

Attachment: Missing Monitoring Well Location Map

cc: Kevin Lincicum, GeoTrans, Inc., 175 N. Corporate Drive, Suite 100, Brookfield, WI 53045
Case File

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. 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

June 5, 2007

Jim McMillan
Wisconsin Department of Administration
101 East Wilson Street
Madison, WI 53702

Subject: Conditional Closure Decision With Requirements to Achieve Final Closure
Fox Lake Correctional Institution, W10237 Lake Emily Road, Fox Lake, WI
WDNR BRRTS # 03-14-001998

Dear Mr. McMillan:

On June 4, 2007, 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 former underground storage tanks (USTs) that were located on the property 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:

MONITORING WELL ABANDONMENT

The monitoring wells and any other borings installed for investigation or remediation activities 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.

PURGE WATER, WASTE AND SOIL PILE REMOVAL

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

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.

As indicated in the information submitted to the Department, soil and groundwater petroleum contamination remains on the subject property. Groundwater monitoring data indicate exceedances of ch. NR 140, Wis. Adm. Code, Enforcement Standards. Also, soil petroleum

contamination that exceeds ch. NR 720, Wis. Adm. Code, generic residual contaminant levels (RCLs) remains in the vicinity of the former UST basins and pump islands. If soil in these locations is excavated in the future, the property owner at that time will be required to sample and analyze the excavated soil in order to determine whether the contamination still remains. The owner will also have to properly store, treat, or dispose of any excavated materials, based upon the results of that characterization, and take special precautions during excavation activities to prevent a direct contact threat to humans. All future owners and occupants of this property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard at the time of excavation.

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) 275-3209.

Sincerely,

Denise Nettesheim
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Kevin Lincicum, GeoTrans, Inc., 175 N. Corporate Drive, Suite 100, Brookfield WI 53045
Case File

Emma N.Learned -to- The State of Wisconsin

WARRANTY DEED. STATE OF WISCONSIN—Form No. 1

NUMBER 376604

This Indenture, Made this 24th day of June, A. D., 19 43, between Emma N.Learned, also known as Emma Learned, of the City of St.Petersburg, Florida party y of the first part, and

The State of Wisconsin (State Department of Public Welfare) party of the second part.

WITNESSETH, That the said part y of the first part, for and in consideration of the sum of Forty-two thousand ($42,000.00) dollars to her in hand paid by the said part y of the second part, the receipt whereof is hereby confessed and acknowledged, has gives, granted bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents do gs give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said part y of the second part its sucessors and assigns, forever, the following described real estate, situated in Dodge County and State of Wisconsin, to-wit:

The Southwest Quarter (SW¼) of Section One (1); The Northeast Quarter (NE¼), and the East half (E½) of the Northwest Quarter (NW¼) of Section Eleven (11); and the Northwest Quarter (NW¼) of Section Twelve (12); all in Township Thirteen North (13N) of Range Thirteen East (13E).

STATE OF FLORIDA :
COUNTY OF PINELLAS :SS.

I, Ray E.Green, Clerk of the County of Pinellas, and also Clerk of the Circuit Court of the said County, the same being a Court of Record, DO HEREBY CERTIFY, That Chas.A.Robinson, whose name is subscribed to the certificate, of the proof or acknowledgment of the annexed instrument and thereon written, was at the time of taking such proof and acknowledgment, a Notary Public, in and for said County, residing therein, duly commissioned and sworn, and authorized by the laws of said State to take the acknowledgments and proofs of deeds or conveyances, for land, tenements, or hereditaments in said State, to be recorded therein. And further, that I am well acquainted with the handwriting of such Notary Public, and verily believe the signature to said certificate of proof or acknowledgment is genuine; that I have compared the impression of the seal affixed thereto with a specimen impression thereof filed or deposited in my office, and that I believe the impression of the seal upon the original certificate is genuine.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the said Court and County, this 1st day of July, 1943.

RAY E.GREEN, Clerk Circuit Court.
By Marion Pearce, Deputy Clerk

Seal

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part y of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors heirs and assigns FOREVER.

AND THE SAID Emma N.Learned, also known as Emma Learned

for herself, her heirs, executors and administrators, do gs covenant, grant, bargain and agree to and with the said part y of the second part, its successors heirs and assigns, that at the time of the ensealing and delivery of these presents she is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever,

and that the above bargained premises in the quiet and peaceable possession of the said part y of the second part, its successors heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, she will forever WARRANT AND DEFEND.

IN WITNESS WHEREOF, the said party of the first part has hereunto set her hand and seal this 24th day of June, A. D., 19 43

Emma N.Learned (SEAL)
(SEAL)
(SEAL)
(SEAL)

SIGNED AND SEALED IN PRESENCE OF
Roberta Rickman
Chas.A.Robinson

STATE OF WISCONSIN, Florida County, Pinellas } ss.

Personally came before me, this 24th day of June A. D., 19 43, the above named Emma N.Learned also known as Emma Learned to me known to be the person who executed the foregoing instrument and acknowledged the same.

Chas.A.Robinson
Notary Public, State of Florida at Cargo, Pinellas County, ~~WIS.~~
My Commission expires April 10 A. D., 19 47
Bonded by Mass.Bonding & Ins.Co.

Notarial Seal

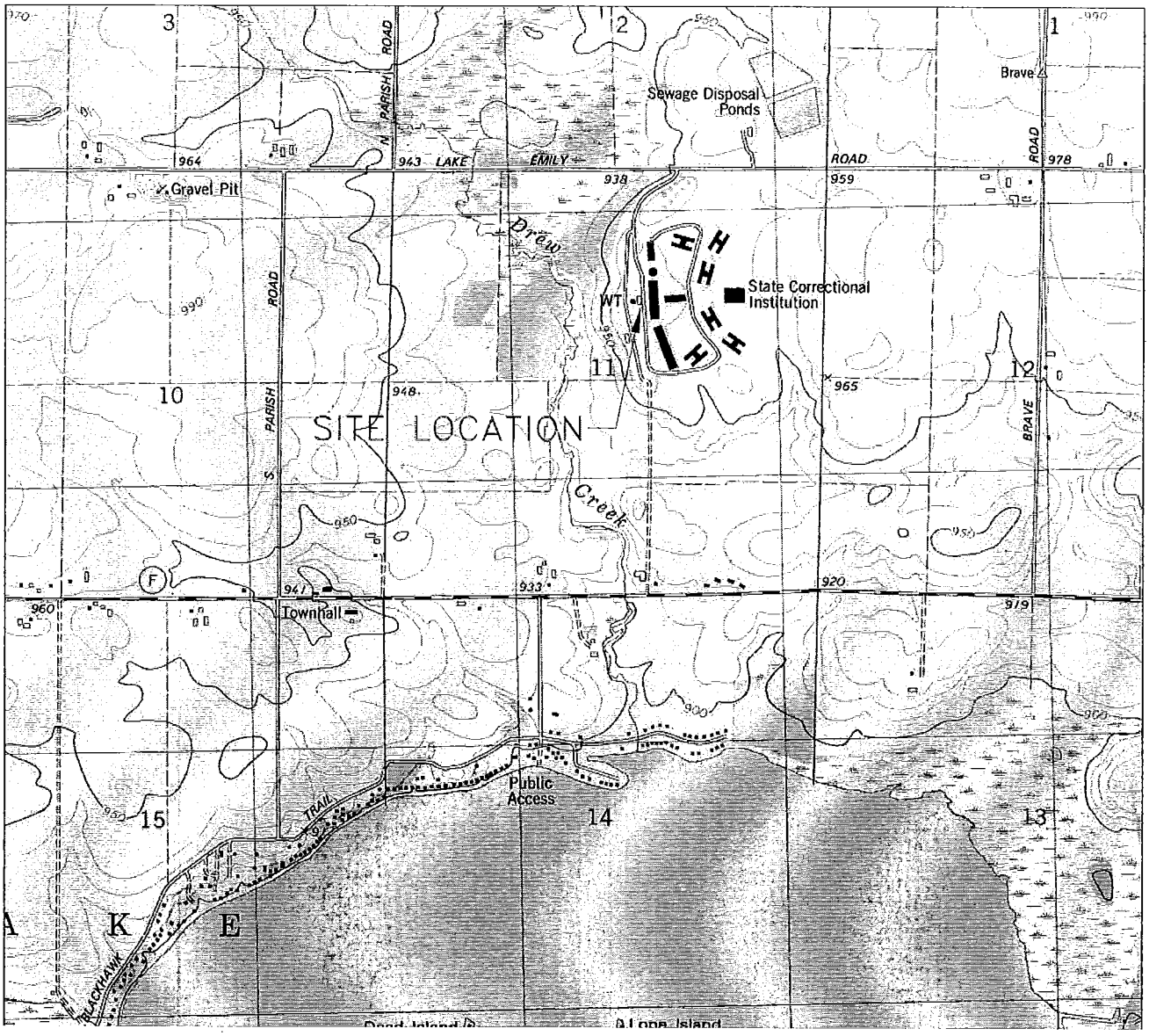
Received for Record this 30 day of July A. D., 19 43, at 9 o'clock A.M.
Wm.Druecke, Register of Deeds
Deputy.

...RFILE COPY
PROJECT #_____
CC:_____

RECEIVED
NOV 21 2005
GeoTrans
Milwaukee

I believe that legal descriptions for all of the properties within or partially within the contaminated site boundaries of the Fox Lake Correctional Facility, Fox Lake, Wisconsin have been submitted with the case closure report.

Mr. Jim McMillan
Wisconsin Department of Administration



SCALE

0 5000

FEET

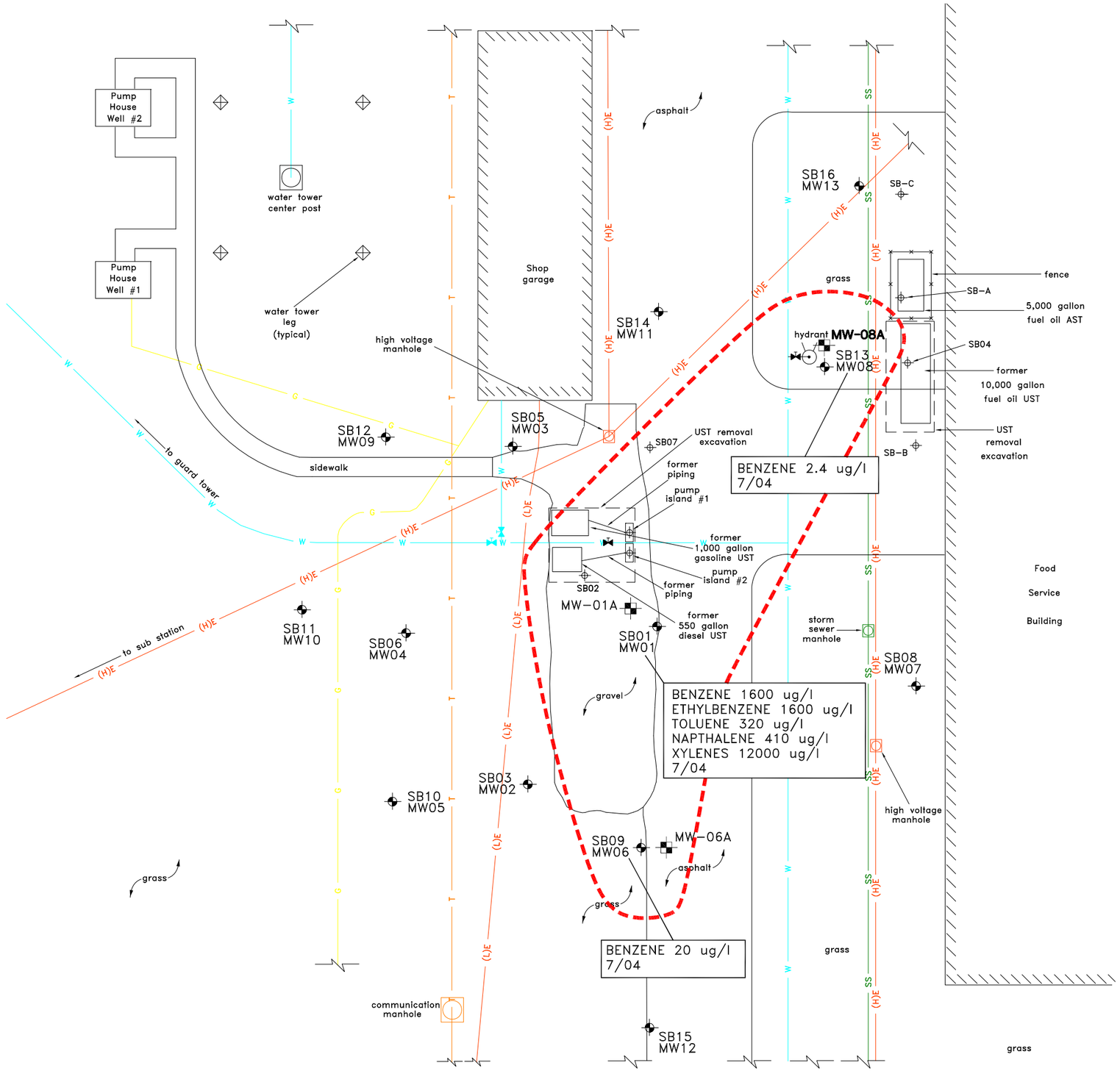
National Geodetic Vertical Datum of 1929
Contour Interval 10 Feet

N

QUADRANGLE LOCATION

FOX LAKE CORRECTTIONAL INSTITUTION FOX LAKE, WISCONSIN	DATE: 4/16/03
	DESIGNED: HJW
	CHECKED: KFL
SITE LOCATION	APPROVED: KFL
	DRAWN: HJW
	PROJ.: 1310.001
GeoTrans, Inc. A TETRA TECH COMPANY	Figure 1

BASE MAP FROM U.S.G.S. 7.5' FOX LAKE, WISCONSIN TOPOGRAPHIC QUADRANGLE MAP, PHOTOREVISED 1980.



EXPLANATION

SB02 – soil boring location and I.D.

SB01 MW01 – soil boring/monitoring well location and I.D.

– water valve

– fire hydrant

– manhole

(H)E = high voltage line

(L)E = low voltage line

G = natural gas line

T = communication line

W = water line

SS = storm sewer line

UST = Underground Storage Tank

– point of unknown destination

– horizontal extent of contamination

N

SCALE

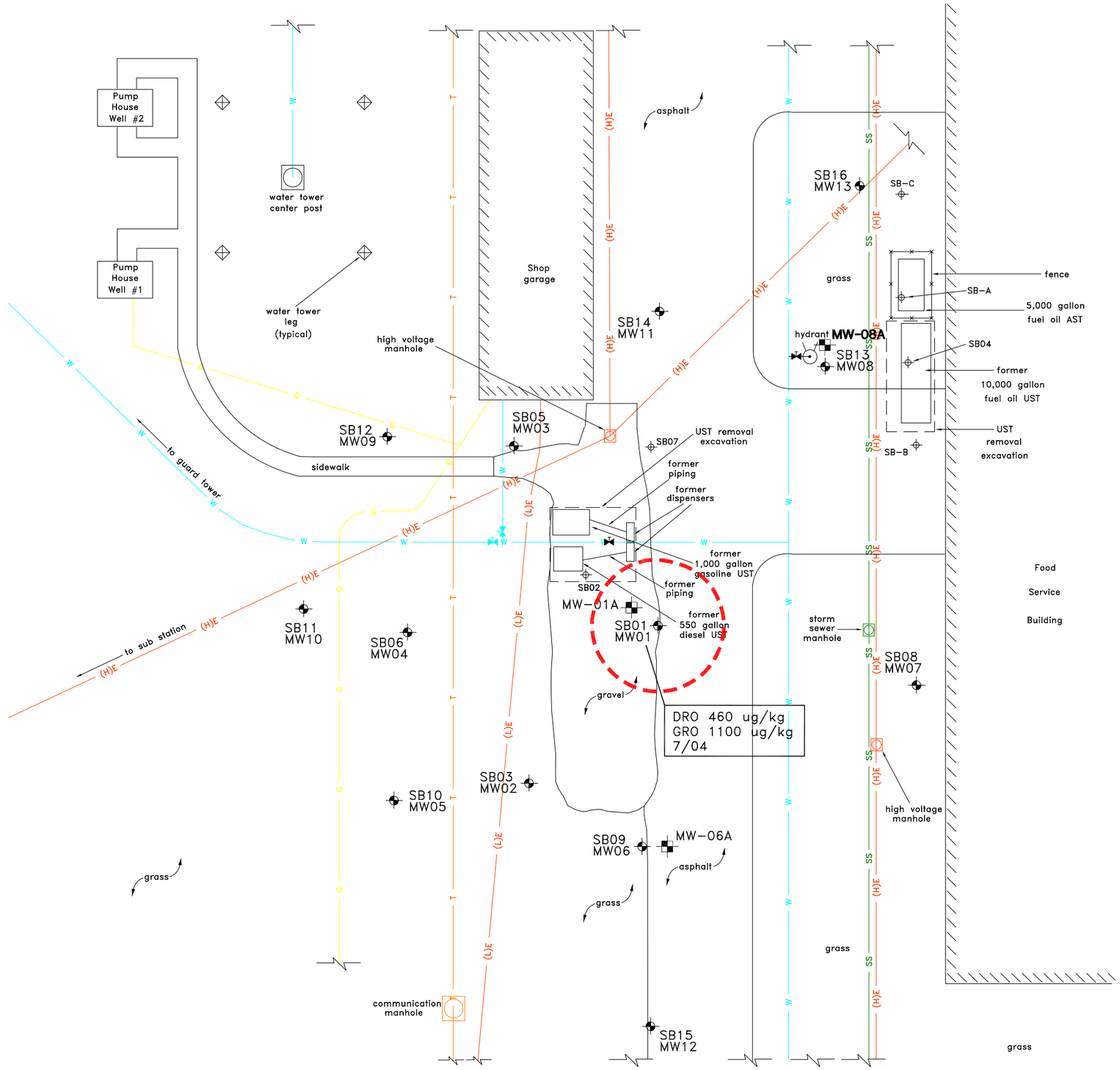
0 60

Feet

BASE MAP FROM COOPER ENVIRONMENTAL & ENGINEERING INC. MARCH, 1996.

FOX LAKE CORRECTIONAL INSTITUTION FOX LAKE, WISCONSIN	DATE: 11/17/05
	DESIGNED: KFL
	CHECKED: KFL
SITE LAYOUT	APPROVED: DLM
	DRAWN: HJW
	PROJ.: 1310.001
GeoTrans, Inc. A TETRA TECH COMPANY	

S:\CAD\Fox Lake\4-30-07\fox-b12.dwg 04/30/2007 14:49:08



EXPLANATION

SB02 – soil boring location and I.D.

SB01 MW01 – soil boring/monitoring well location and I.D.

– water valve

– fire hydrant

– manhole

(H)E = high voltage line

(L)E = low voltage line

G = natural gas line

T = communication line

W = water line

SS = storm sewer line

UST = Underground Storage Tank

– point of unknown destination

– preremedial impacted soil

N

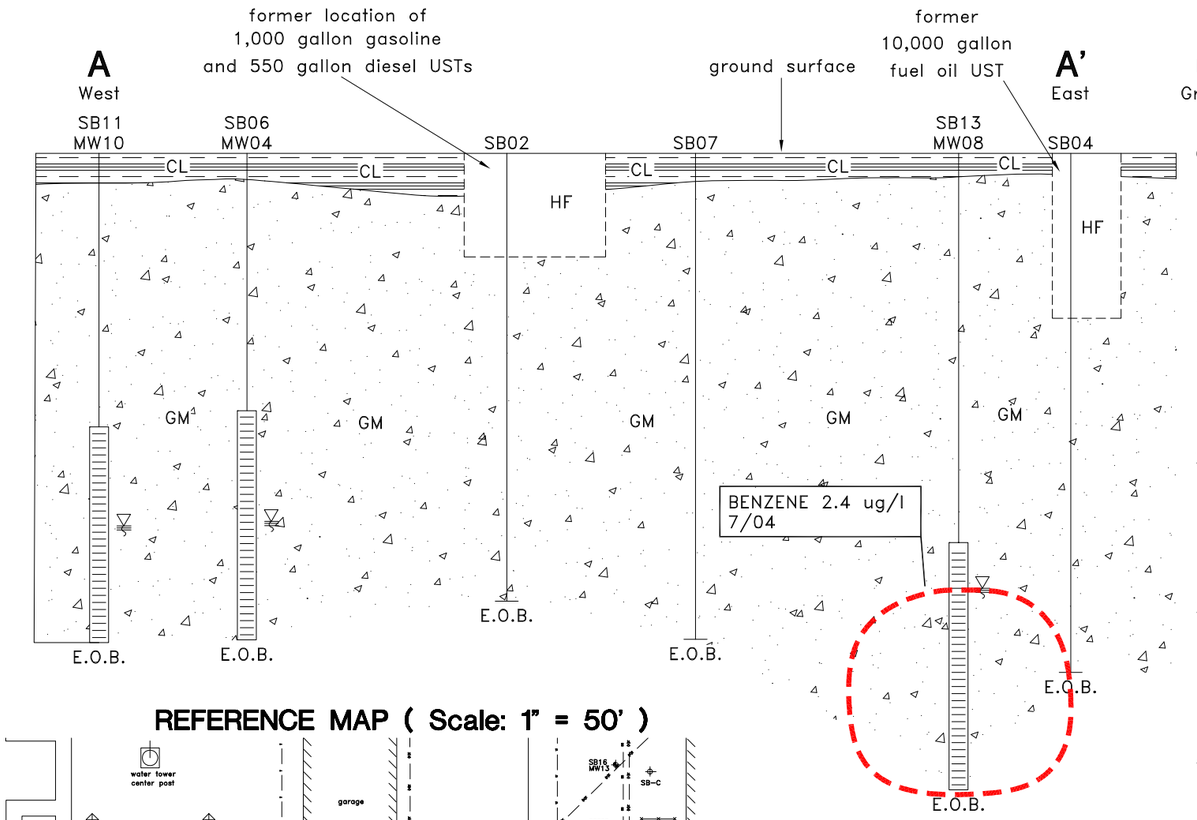
SCALE

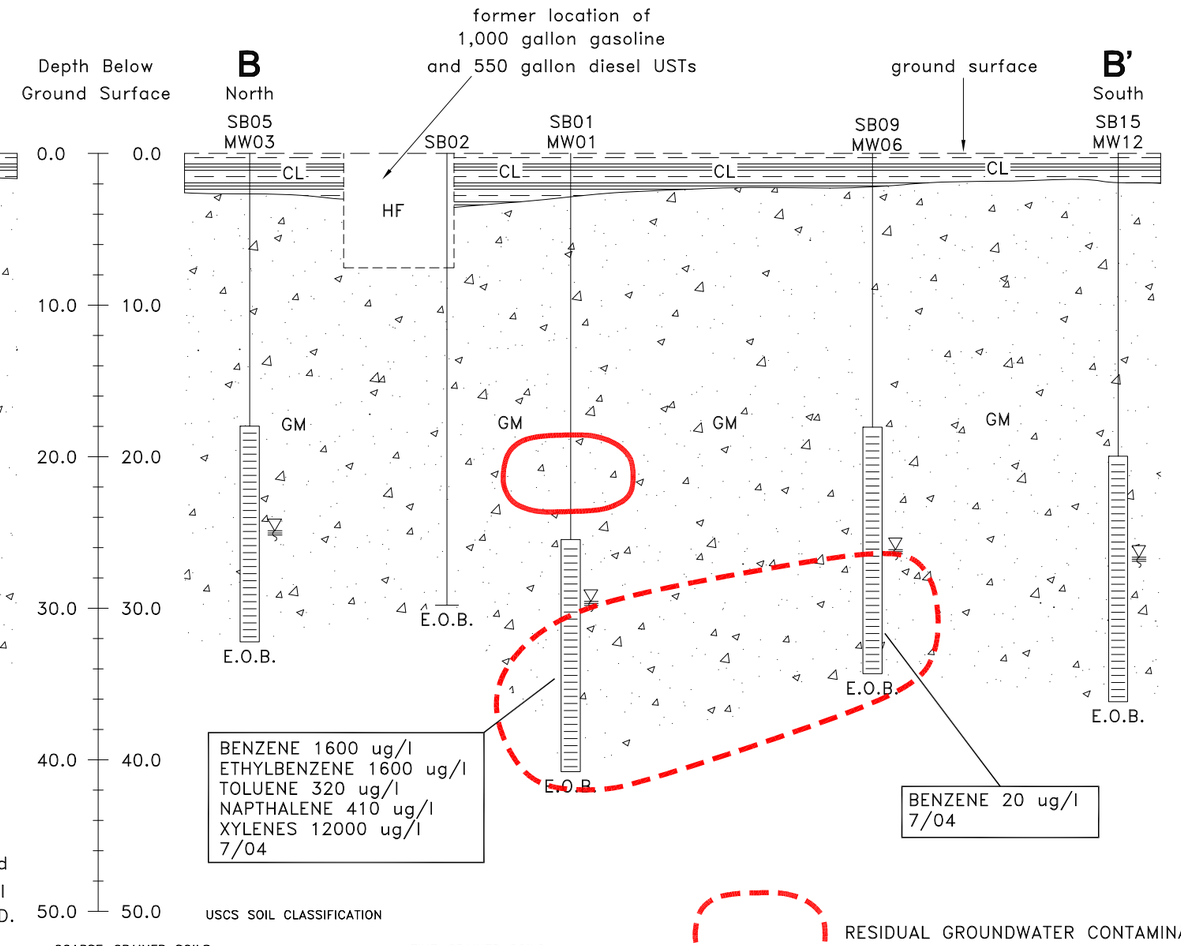
0 60

Feet

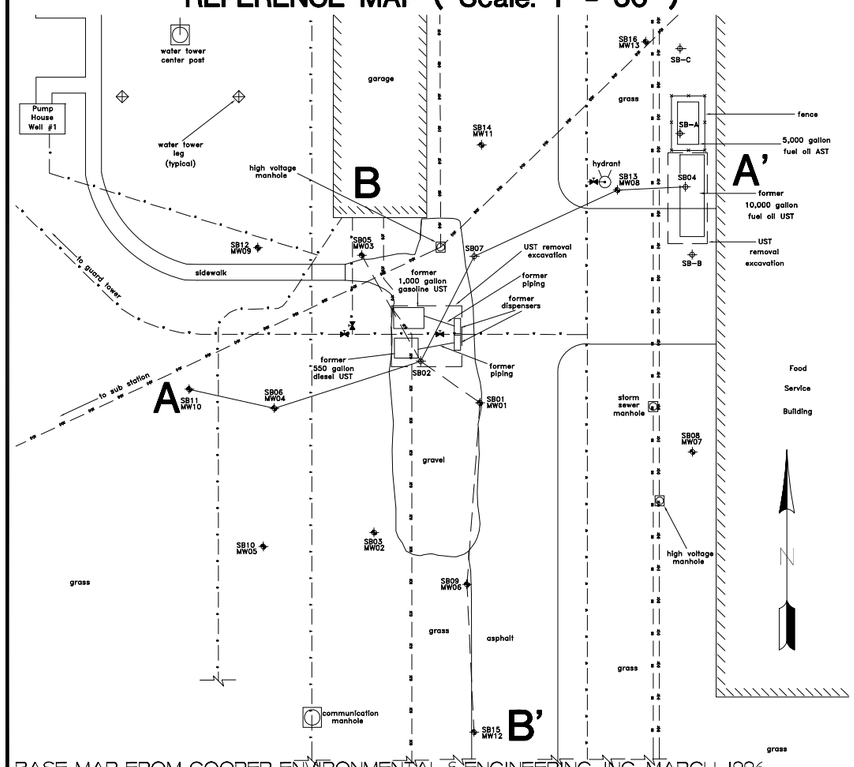
BASE MAP FROM COOPER ENVIRONMENTAL & ENGINEERING INC. MARCH, 1996.

FOX LAKE CORRECTIONAL INSTITUTION FOX LAKE, WISCONSIN	DATE: 1/3/06
SOIL BORING/ MONITORING WELL LOCATIONS	DESIGNED: KFL CHECKED: KFL APPROVED: DLM DRAWN: HJW PROJ.: 1310.001
GeoTrans, Inc. A TETRA TECH COMPANY	Figure 3-1





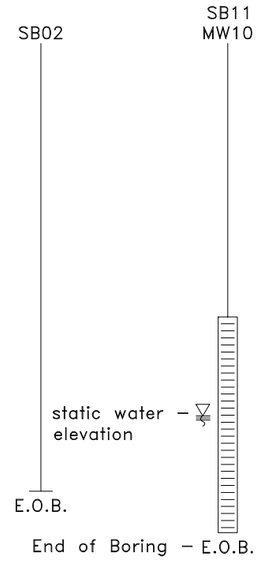
REFERENCE MAP (Scale: 1" = 50')



BASE MAP FROM COOPER ENVIRONMENTAL & ENGINEERING, INC. MARCH, 1996.

Soil Boring Location and I.D.

Soil Boring and monitoring well Location and I.D.



USCS SOIL CLASSIFICATION

COARSE-GRAINED SOILS

CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
	GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
	GC	CLAYEY GRAVELS GRAVEL-SAND-CLAY MIXTURES
CLEAN SANDS (LITTLE OR NO FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SM	SILTY SANDS, SAND-SILT MIXTURES
	SC	CLAYEY SANDS, SAND-CLAY MIXTURES

FINE-GRAINED SOILS

SILTS AND CLAYS LIQUID LIMIT (LESS THAN 50)	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
SILTS AND CLAYS LIQUID LIMIT (GREATER THAN 50)	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS
	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS	PT	PEAT, HUMUS, SWAMP SOILS, WITH HIGH ORGANIC CONTENTS
FILL	HF	NON-INDIGENOUS FILL MATERIAL

RESIDUAL GROUNDWATER CONTAMINATION

RESIDUAL SOIL CONTAMINATION

FOX LAKE CORRECTIONAL INSTITUTION
FOX LAKE, WISCONSIN

GEOLOGIC CROSS SECTION (A - A' AND B - B')

DATE:	11/17/05
DESIGNED:	KFL
CHECKED:	KFL
APPROVED:	DLM
DRAWN:	HJW
PROJ.:	1310.001

GeoTrans, Inc. A TETRA TECH COMPANY

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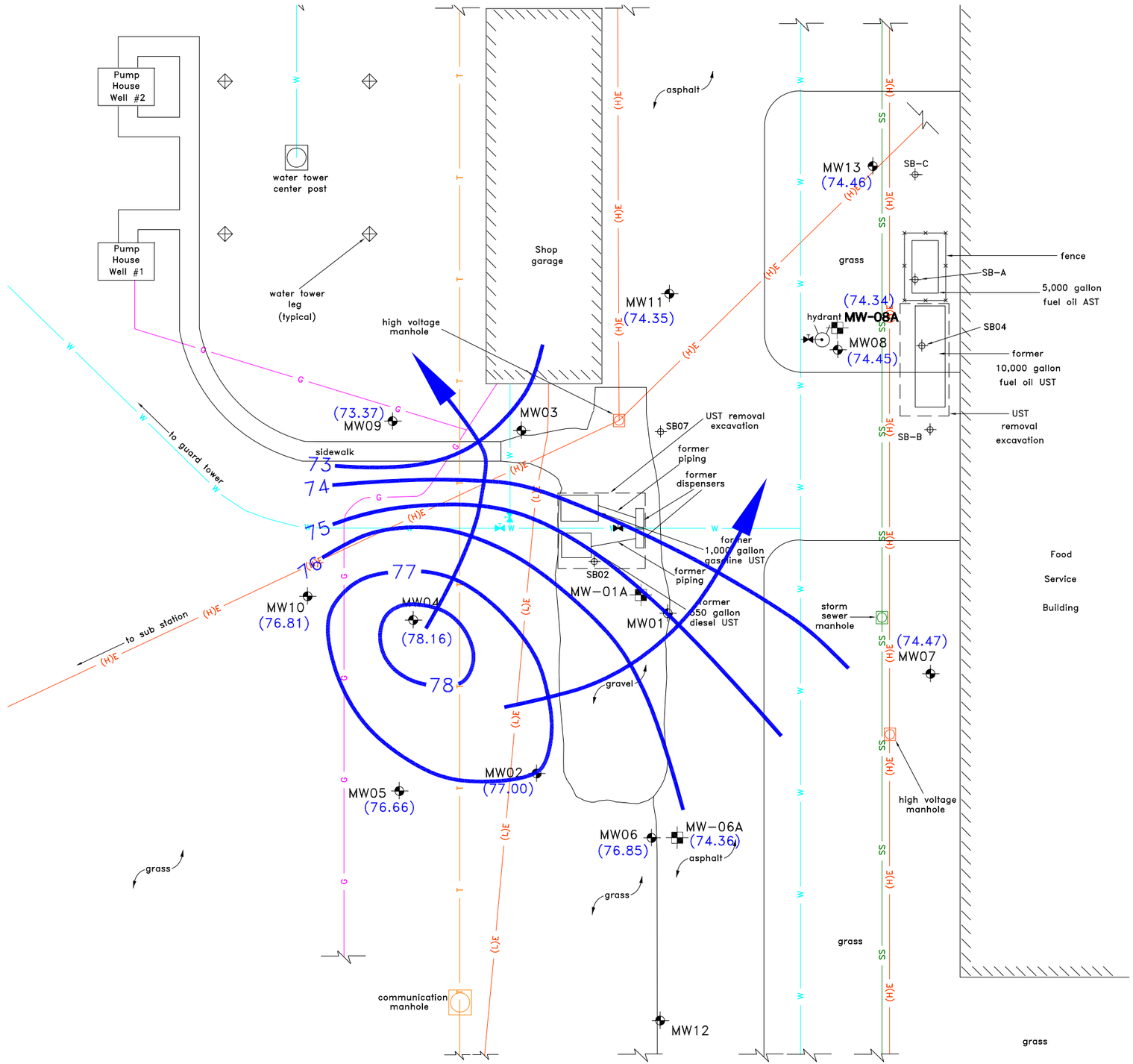


BASE MAP FROM COOPER ENVIRONMENTAL & ENGINEERING INC. MARCH, 1996.

EXPLANATION

SB02 – soil boring location and I.D.

SB01 MW01 – soil boring/monitoring well location and I.D.

MW-06A – piezometer well location and I.D.

– water valve

– fire hydrant

– manhole

(H)E = high voltage line

(L)E = low voltage line

G = natural gas line

T = communication line

W = water line

SS = storm sewer line

UST = Underground Storage Tank

– point of unknown destination

(74.47) – groundwater elevation

74 = groundwater contour

N

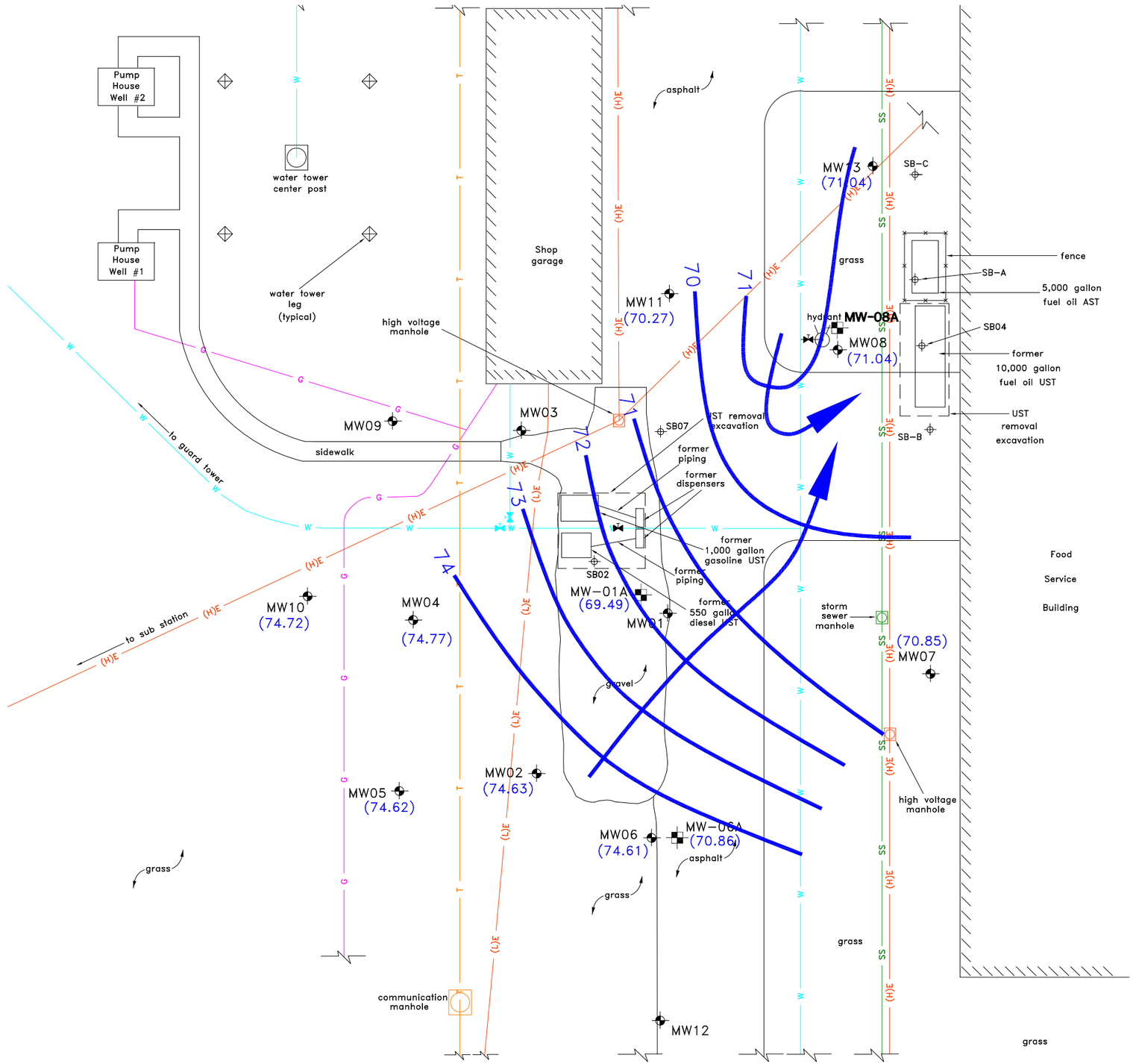
SCALE

0 60

Feet

FOX LAKE CORRECTIONAL INSTITUTION FOX LAKE, WISCONSIN	DATE: 4/30/07
	DESIGNED: HJW
WATER TABLE MAP (6/1/2006)	CHECKED: KFL
	APPROVED: KFL
	DRAWN: HJW
	PROJ.: 1310.001
GeoTrans, Inc. A TETRA TECH COMPANY	Figure 1

S:\CAD\Fox Lake\4-30-07\1310001Fig1.dwg 04/30/2007 14:15:23



EXPLANATION

SB02 – soil boring location and I.D.

SB01 MW01 – soil boring/monitoring well location and I.D.

MW-06A – piezometer well location and I.D.

– water valve

– fire hydrant

– manhole

(H)E = high voltage line

(L)E = low voltage line

G = natural gas line

T = communication line

W = water line

SS = storm sewer line

UST = Underground Storage Tank

– point of unknown destination

(74.61) – groundwater elevation

74 = groundwater contour

N

SCALE

0 60

Feet

BASE MAP FROM COOPER ENVIRONMENTAL & ENGINEERING INC. MARCH, 1996.

FOX LAKE CORRECTIONAL INSTITUTION FOX LAKE, WISCONSIN	DATE: 4/30/07
	DESIGNED: HJW
WATER TABLE MAP (10/11/2006)	CHECKED: KFL
	APPROVED: KFL
	DRAWN: HJW
	PROJ.: 1310.001
GeoTrans, Inc. A TETRA TECH COMPANY	Figure 2

S:\CAD\Fox Lake\4-30-07\1310001Fig2.dwg 04/30/2007 14:15:23

Table 4-3 Soil Boring Analytical Result Summary (SB01 through SB08), Fox Lake Correctional Institution, Fox Lake, Wisconsin

Soil Boring ID	SB01		SB02		SB03		SB04		SB05		SB06		SB07		SB08		NR 720.09(4)(b) Generic Residual Contaminant Level (µg/kg)
Sample ID	FLC/SB01-06	FLC/SB01-13	FLC/SB02-06	FLC/SB02-10	FLC/SB03-02	FLC/SB03-09	FLC/SB04-06	FLC/SB04-12	FLC/SB05-06	FLC/SB05-08	FLC/SB06-06	FLC/SB06-10	FLC/SB07-06	FLC/SB07-11	FLC/SB08-06	FLC/SB08-13	
Depth (ft. bgs)	20.0-22.0	32.5-34.5	15.0-17.0	25.0-27.0	5.0-7.0	22.5-24.5	15.0-17.0	30.0-32.0	15.0-17.0	20.0-22.0	15.0-17.0	25.0-27.0	15.0-17.0	27.5-29.5	15.0-17.0	32.5-34.5	
Date Collected	4-6-94	4-6-94	4-7-94	4-7-94	4-7-94	4-7-94	4-7-94	4-7-94	4-8-94	4-8-94	4-11-94	4-11-94	4-11-94	4-11-94	5-1-95	5-1-95	
OVM Reading (i.u.)	2,316	1,347	2.4	434	75	4.5	8.3	149	16.5	84.6	2.0	15.7	3.4	164	0.0	0.0	
PARAMETER																	
DETECTED VOCs (µg/kg)																	
Benzene	ND(<130)	ND(<130)	ND(<1.0)	ND(<130)	ND(<1.0)	ND(<1.1)	ND(<1.1)	ND(<1.1)	ND(<1.1)	ND(<1.0)	ND(<1.1)	ND(<1.0)	ND(<1.1)	ND(<1.1)	ND(<0.5)	ND(<0.5)	5.5
Ethylbenzene	250	230	1.3	ND(<130)	ND(<1.0)	ND(<1.1)	ND(<1.1)	ND(<1.1)	ND(<1.1)	1.7	ND(<1.1)	ND(<1.0)	ND(<1.1)	6.9	ND(<0.5)	ND(<0.5)	2,900
*Methylene Chloride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.9	ND(<0.5)	NA
Methyl-tert-butylether	ND(<130)	ND(<130)	ND(<1.0)	ND(<130)	ND(<1.0)	ND(<1.1)	ND(<1.1)	ND(<1.1)	ND(<1.1)	ND(<1.0)	ND(<1.1)	ND(<1.0)	ND(<1.1)	ND(<1.1)	ND(<0.4)	ND(<0.4)	NA
Tetrachloroethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4	4.2	NA
Toluene	ND(<130)	ND(<130)	ND(1.0)	ND(<130)	ND(<1.0)	ND(<1.1)	ND(<1.1)	ND(<1.1)	ND(<1.1)	2.9	ND(<1.1)	ND(<1.0)	ND(<1.1)	1.4	1.8	1.5	1,500
1,2,4-Trimethylbenzene	5,900	4,700	1.3	1,400	ND(<1.0)	ND(<1.1)	ND(<1.1)	10	ND(<1.1)	ND(<1.0)	ND(<1.1)	1.4	ND(<1.1)	9.2	1.1	1.0	NA
1,3,5-Trimethylbenzene	1,500	1,300	ND(<1.0)	640	ND(<1.0)	ND(<1.1)	ND(<1.1)	1.9	ND(<1.1)	ND(<1.0)	ND(<1.1)	ND(<1.0)	ND(<1.1)	3.9	ND(<0.7)	ND(<0.8)	NA
Total Xylenes	2,000	1,800	2.4	710	ND(<2.1)	4.3	ND(<2.1)	3.7	ND(<2.1)	6.3	ND(<2.2)	ND(<2.0)	ND(<2.2)	6.9	1.3	ND(<1.8)	4,100
Diesel Range Organics (DRO) (mg/kg)	460	99	ND(<5.1)	170	8.3	ND(<5.1)	ND(<5.1)	29	ND(<4.9)	ND(<4.9)	ND(<5.2)	ND(<5.2)	ND(<5.1)	ND(<5.1)	4.1	ND(<3.8)	100**
Gasoline Range Organics (GRO) (mg/kg)	1,100	240	ND(<5.0)	770	ND(<5.2)	ND(<5.7)	ND(<5.8)	5.7	ND(<5.8)	ND(<5.3)	ND(<5.3)	ND(<5.3)	ND(<5.3)	20	ND(<2.6)	ND(<2.7)	100**
Lead (mg/kg)	16	5.3	5.3	5.3	ND(<5.2)	ND(<5.3)	20	20	15	17	13	16	20	19	ND(<3.4)	ND(<3.5)	50***

ft. bgs = Feet below ground surface
OVM = Organic Vapor Monitor
i.u. = Instrument units
VOCs = Volatile Organic Compounds
µg/kg = Micrograms per kilogram (parts per billion)
ND = Not detected above method detection limits (detection limit given in parenthesis)
-- = Sample not tested for indicated parameter
NA = Not applicable; standard does not currently exist
* = Low level methylene chloride values can be attributed to laboratory background
mg/kg = Milligrams per kilogram (parts per million)
** = 100 mg/kg for soils with permeabilities > 100 x 10^{-4} cm/s
*** = Assumes non-industrial conditions

Soil borings SB01 through SB07 analyzed for Petroleum Volatile Organic Compounds (PVOCs) using EPA method 8020
Soil boring SB08 analyzed for VOCs using EPA method 8260
Bold indicates NR 720 exceedance
All samples (2 per boring) collected at highest OVM reading and directly above field interpreted water table

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Soil Sampling Results in Former Pump Area

Sample ID	Date Collected	Benzene	Ethylbenzene	methyl-tert-butylether	Toluene	1,2,4-Trimethylbenzen	1,3,5-Trimethylbenzen	m,p-Xylenes	o-Xylenes	Napthalene
Pump Island #1	10/25/2006	<25	<25	<25	<25	<25	<25	<50	<25	<25
Pump Island #2	10/25/2006	<25	<25	<25	<25	<25	<25	<50	<25	<25

MW-1 Product Levels, Fox Lake Correctional Institution, Fox Lake, Wisconsin

Date	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	
4/14/94		30.51	0	
4/24/94		30.66	0	
5/5/95		29.99	0	
6/8/96		28.93	0	
1/10/97		29.54	0	
4/28/97		29.42	0	
7/22/97		30.2	0	
5/13/98		28.4	0	
6/19/98		28.4	0	
6/16/99		26.06	0	
9/2/99		26.25	0	
11/23/99		30.65	0	
4/3/00		30.86	0	
6/27/00		27.85	0	
1/2/01	30.88	31.95	1.07	
1/5/01	31.66	32.58	0.92	
1/12/01	32.15	32.48	0.33	
1/19/01	32.42	32.43	0.01	
1/31/01	32.6	32.62	0.02	
2/5/01	32.6	32.62	0.02	
2/22/01	30.7	31.35	0.65	
3/15/01		29.40	0	
3/21/01		29.23	0	
3/27/01		28.76	0	
4/6/01		28.26	0	
4/12/01		28.26	0	sock in well
5/4/01		26.06	0	no sock
6/19/01		23.70	0	
11/5/01		29.4	0	
11/16/01		29.81	0	
12/20/01		30.29	0	
1/16/02		31.34	0	
3/26/02		28.98	0	
6/27/02		27.91	0	
10/3/02		31.18	0	
12/31/02	33.43	33.93	0.5	
1/22/03	33	33.62	0.62	placed sock in well
4/30/03	34.09	34.53	0.44	sock in well
5/13/03	32.76	33.58	0.82	sock in well
6/13/03	29.95	30.16	0.21	sock in well
7/16/03	29.83	29.89	0.06	
8/27/03		30.62	0	sock in well
10/30/03		31.33	0	no sock
12/30/03		28.31	0	no sock
4/23/04	26.96	27.21	0.25	placed sock in well
7/14/04		24.26	0	no sock
10/11/06	29.31	29.44	0.13	

Table 1. Groundwater Analytical Results Summary

Well ID	Date Collected	Benzene	Ethylbenzene	methyl-tert-butylether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Napthalene	n-Propylbenzene	TOTAL VOC'S	DRO (mg/l)	GRO (mg/l)
NR	ES	5	700	60	1000	–	–	10000	–	–	–	–	5	40	–		–	–
140	PAL	0.5	140	12	200	–	–	1000	–	–	–	–	0.5	8	–		–	–
MW01	04/14/94	22000	2200	<500	38000	2700	<800	12900	<700	<500	<300	<900	4300	<700	<400	95000	30	190
	04/14/94	20000	2100	<500	36000	2100	<800	12500	<700	<500	<300	<900	4000	<700	<400	89200	NA	NA
	05/05/95	14000	2800	<500	34000	2300	610	15900	<500	<500	<500	<500	<2000	<1000	<500	85510	70	92
	01/10/96	11000	2400	ND	27000	610	ND	14300	ND	ND	ND	ND	ND	630	ND	70240	99	81
	04/29/97	8400	2400	<140	27000	2200	600	15000	<440	<450	<360	<350	5400	760	<460	61760	98	493
	09/02/99	4800	5300	<70	17000	23000	5500	36000	<220	390	370	260	<440	11000	1600	105220	220	NA
	11/23/99	3600	9500	<31	17000	57000	15000	48000	NA	NA	NA	NA	NA	NA	NA	150100	NA	NA
	06/20/01	640	1600	<18	1900	6100	2000	17000	NA	NA	NA	NA	NA	NA	NA	29240	NA	NA
	01/16/02	790	1100	<40	2300	2600	760	13000	<40	<40	51	<40	210	460	130	21401	NA	NA
	03/26/02	380	1600	<13	2100	3600	9900	32000	NA	NA	NA	NA	NA	NA	NA	49580	NA	NA
	06/28/02	920	1300	<40	1700	7500	2800	17000	NA	NA	NA	NA	NA	NA	NA	31220	NA	NA
	10/03/02	930	1200	<13	3100	2700	740	13000	NA	NA	NA	NA	NA	NA	NA	21670	NA	NA
	10/01/03	470	1400	<9.2	1300	5900	2000	13000	NA	NA	NA	NA	NA	NA	NA	24070	NA	NA
duplicate	10/01/03	570	1700	<9.2	1500	7300	2300	15000	NA	NA	NA	NA	NA	NA	NA	28370	NA	NA
	12/30/03	750	890	<9.2	1100	2900	1000	9900	NA	NA	NA	NA	NA	NA	NA	16540	NA	NA
	07/14/04	1600	1600	<40	320	2900	740	12000	<16	26	71	<16	<80	570	190	20017	NA	NA
duplicate	07/14/04	1600	1600	<40	320	2900	740	12000	<16	23	71	<16	<80	410	200	19864	NA	NA
	06/01/06	could not find MW01, see SVE well																
	10/11/06	570	2300	13	440	8800	2900	13500	NA	NA	NA	NA	NA	1600	NA	30123	NA	NA
MW01A	05/14/98	130	3.7	<0.28	2.6	1	<0.66	5.8	<0.88	<0.90	<0.72	<0.70	5.5	<0.70	<0.92	148.6	0.34	0.23
	09/02/99	4200	2700	<28	14000	5000	770	18000	<88	<90	130	<70	<170	3600	440	48840	720	NA
	06/20/01	810	1200	<16	4000	1800	460	9200	NA	NA	NA	NA	NA	NA	NA	17470	NA	NA
	01/16/02	85	2.6	*14*	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	*1.6*	<0.50	<0.50	103	NA	NA
	03/26/02	120	6.8	10	0.63	<0.22	<0.29	1.4	NA	NA	NA	NA	NA	NA	NA	139	NA	NA
	06/28/02	180	15	13	0.77	0.27	<0.29	3.8	NA	NA	NA	NA	NA	NA	NA	213	NA	NA
	10/03/02	110	13	9.6	<0.40	0.48	<0.58	2.1	NA	NA	NA	NA	NA	NA	NA	135	NA	NA
	12/31/02	8.9	2.6	8.2	<0.20	0.27	<0.29	0.38	NA	NA	NA	NA	NA	NA	NA	20	NA	NA
	04/30/03	6.2	1.1	7.3	<0.19	0.29	<0.19	<0.39	NA	NA	NA	NA	NA	NA	NA	15	NA	NA
	07/16/03	11	<0.22	8.4	<0.11	0.27	<0.19	<0.39	NA	NA	NA	NA	NA	NA	NA	20	NA	NA
	10/01/03	6.4	<0.22	8.9	<0.11	0.37	<0.19	<0.39	NA	NA	NA	NA	NA	NA	NA	16	NA	NA
	12/30/03	39	2.2	8.8	0.29	0.68	<0.19	2.2	NA	NA	NA	NA	NA	NA	NA	53	NA	NA
	04/23/04	53	4.9	8.2	0.77	0.96	<0.20	4.4	NA	NA	NA	NA	NA	NA	NA	72	NA	NA
	07/14/04	50	3.5	7.6	0.35	1.2	<0.20	6.2	<0.20	<0.25	0.25	<0.20	<1.0	<0.25	<0.50	69	NA	NA
	06/01/06	could not find MW01																
	10/11/06	20	2.4	5.5	<0.36	3.2	<0.40	2.43	NA	NA	NA	NA	NA	NA	NA	34	NA	NA

Table 1. Groundwater Analytical Results Summary

Well ID	Date Collected	Benzene	Ethylbenzene	methyl-tert-butylether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Napthalene	n-Propylbenzene	TOTAL VOC'S	DRO (mg/l)	GRO (mg/l)
NR	ES	**5**	**700**	**60**	**1000**	–	–	**10000**	–	–	–	–	**5**	**40**	–		–	–
140	PAL	0.5	140	12	200	–	–	1000	–	–	–	–	0.5	8	–		–	–
MW02	04/14/94	**12**	9.3	<0.50	1.9	8.8	<0.80	15.4	<0.70	<0.50	<0.30	<0.90	**21**	1.3	1.4	86.5	0.18	0.13
	05/05/95	**95**	17	<1.0	100	8.7	1.9	76	<1.0	<1.0	<1.0	<1.0	<4.0	<2.0	<1.0	374.6	0.32	0.4
	01/10/96	**21**	130	ND	14	170	2.8	93	ND	ND	8.1	ND	ND	*20*	20	571.9	2.1	1.1
	07/30/96	**15**	120	ND	12	150	16	80	ND	ND	6.7	ND	ND	*14*	16	509.7	NA	NA
	04/29/97	0.42	0.5	<0.14	0.51	0.6	<0.33	1.6	<0.44	<0.45	<0.36	<0.35	*1.5*	<0.35	<0.46	5.13	<0.10	<0.050
	05/14/98	<4.7	0.24	<0.24	8.1	39	9.6	66	NA	NA	NA	NA	NA	NA	NA	122.9	NA	NA
	09/02/99	*1.6*	45	<2.9	3.4	88	12	9.3	NA	NA	NA	NA	NA	NA	NA	159.3	NA	NA
	11/23/99	<0.13	0.5	<0.16	0.52	2.7	1	4.3	NA	NA	NA	NA	NA	NA	NA	9.0	0.13	NA
	06/19/01	<0.31	18	<1.0	2	60	15	24	NA	NA	NA	NA	NA	NA	NA	119	NA	NA
	06/01/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
	10/11/06	<0.14	<0.40	0.94	<0.36	1.4	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	2.34	NA	NA
MW03	04/14/94	**400**	170	<10	420	190	20	810	<14	<10	<6.0	<18	<8.0	<14	21	2841	1.3	3
	05/05/95	**5.6**	31	<1.0	2.9	51	12	65.5	1.6	<1.0	1.9	1.1	<4.0	*8.8*	3.8	250.7	0.49	0.48
	01/10/96	**65**	160	ND	19	260	18	152	ND	ND	12	ND	ND	**52**	38	928	0.72	1.9
	07/30/96	**38**	150	ND	5.7	270	29	155.4	4	2.9	11	4.9	ND	**43**	38	907.3	NA	NA
	04/29/97	17	100	<0.14	4.1	160	14	84	2.1	1.9	7.3	0.76	*1.3*	*28*	25	445.46	0.46	1.1
	05/14/98	5	33	<0.25	1	74	3.2	22	1.1	1.1	3.6	0.54	*0.53*	*9.6*	11	165.67	0.19	0.32
	09/02/99	14	96	<0.70	7.5	160	3.2	41	<2.2	3.8	9.9	<1.8	<4.4	5.3	33	373.7	0.44	NA
duplicate	09/02/99	14	94	<0.70	7.7	160	3.2	41	<2.2	3.7	9.8	<1.8	<4.4	5	32	370.4	NA	NA
	11/23/99	23	160	<2.5	18	280	31	140	NA	NA	NA	NA	NA	NA	NA	652	1.6	NA
duplicate	11/23/99	23	160	<2.3	18	300	30	140	NA	NA	NA	NA	NA	NA	NA	671	1.6	NA
	06/19/01	<0.13	1.4	<0.16	<0.20	4.4	<0.29	0.64	NA	NA	NA	NA	NA	NA	NA	6.4	NA	NA
	06/28/02	0.79	7.5	<0.29	0.5	3.5	<0.29	0.33	NA	NA	NA	NA	NA	NA	NA	12.6	NA	NA
	06/01/06	could not find due to construction activities																
	10/11/06	could not find due to construction activities																
MW04	04/14/94	**730**	*170*	<25	**1600**	270	<40	610	<35	<25	<15	<45	**11**	<35	53	4054	2.3	6.8
	05/05/95	**24**	75	<2.0	17	250	35	136	11	5	11	9.6	<8.0	*28*	27	764.6	0.8	2.8
	01/10/96	*2.6*	5.5	ND	ND	26	7.1	2.5	ND	ND	1.7	ND	ND	2.9	5.4	56.2	0.11	0.24
	07/30/96	*1.1*	9	ND	ND	ND	ND	1.7	ND	1.8	3.2	ND	ND	3.9	12	34.4	NA	NA
	04/29/97	*3.3*	3.4	<0.14	2.7	3.5	0.56	8.3	<0.44	<0.45	0.43	<0.35	<0.87	0.38	1.4	24.0	<0.10	<0.050
duplicate	04/29/97	*0.83*	0.94	<0.14	2.5	2.9	<0.33	4.6	<0.44	<0.45	0.43	<0.35	<0.87	0.75	1.3	14.3	<0.10	<0.050
	05/14/98	<0.15	1.4	<0.40	<0.20	8.3	<0.29	0.57	NA	NA	NA	NA	NA	NA	NA	10.3	NA	NA
	09/02/99	<0.22	4.2	<0.55	<0.20	21	<0.29	0.54	NA	NA	NA	NA	NA	NA	NA	25.7	NA	NA

Table 1. Groundwater Analytical Results Summary

Well ID	Date Collected	Benzene	Ethylbenzene	methyl-tert-butylether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Napthalene	n-Propylbenzene	TOTAL VOC'S	DRO (mg/l)	GRO (mg/l)
NR	ES	**5**	**700**	**60**	**1000**	–	–	**10000**	–	–	–	–	**5**	**40**	–		–	–
140	PAL	0.5	140	12	200	–	–	1000	–	–	–	–	0.5	8	–		–	–
MW05	05/05/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<4.0	<2.0	<1.0	0	<0.100	<0.050
	01/10/96	*0.9*	1.8	ND	ND	10	2.6	ND	ND	ND	ND	ND	ND	ND	2	17.3	ND	ND
	07/30/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	NA	NA
	04/28/97	<0.13	<0.22	<2.0	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	<0.10	<0.050
	11/23/99	<0.13	<0.22	<0.16	0.26	1.8	0.46	1.2	NA	NA	NA	NA	NA	NA	NA	3.7	<0.10	NA
MW06	05/05/95	**1600**	**730**	<25	**3500**	840	230	3120	<25	<25	31	<25	<100	**200**	60	13431	2.1	20
	01/10/96	**900**	680	ND	950	220	29	2840	ND	ND	29	ND	ND	**160**	55	8703	1.9	12
duplicate	01/10/96	**890**	660	ND	940	230	30	2830	21	ND	30	ND	ND	**150**	55	8666	1.5	11
	07/30/96	**1000**	**1300**	ND	550	1300	360	5800	35	ND	47	ND	ND	**290**	140	16622	NA	NA
	04/28/97	**560**	580	<0.28	500	620	140	1900	15	5.2	23	1.6	<1.7	**150**	75	4570	2.4	1.6
	05/14/98	**360**	420	<5.0	140	360	88	1300	9.2	<5.0	16	6.6	**16**	**66**	44	2826	1.2	4.4
	09/02/99	**180**	340	<0.70	28	290	19	380	<2.2	<2.2	12	<1.8	<4.4	**59**	34	1342	0.75	NA
	11/23/99	**150**	350	<1.6	77	370	42	520	NA	NA	NA	NA	NA	NA	NA	1757	NA	NA
	06/19/01	**63**	300	<1.6	36	290	61	770	NA	NA	NA	NA	NA	NA	NA	1520	NA	NA
	01/16/02	**65**	350	<2.5	20	270	4.2	220	<2.5	<2.5	12	<2.5	**13 L**	*8.1*	41	990.3	NA	NA
	03/26/02	**44**	210	<0.37	29	210	43	280	NA	NA	NA	NA	NA	NA	NA	816	NA	NA
	06/28/02	**37**	170	<0.80	8	130	17	120	NA	NA	NA	NA	NA	NA	NA	482	NA	NA
	10/03/02	**30**	220	<0.50	3.6	43	<0.58	5.3	NA	NA	NA	NA	NA	NA	NA	302	NA	NA
	12/31/02	**10**	92	<0.64	1.1	8.8	<1.2	1.8	NA	NA	NA	NA	NA	NA	NA	114	NA	NA
	04/30/03	2.1	13	<0.23	0.31	1.9	<0.19	0.7	NA	NA	NA	NA	NA	NA	NA	18	NA	NA
	07/16/03	**71**	390	<0.92	100	350	74	440	NA	NA	NA	NA	NA	NA	NA	1425	NA	NA
	10/01/03	**50**	360	<1.2	48	360	54	480	NA	NA	NA	NA	NA	NA	NA	1352	NA	NA
	12/30/03	**21**	170	<1.2	17	160	13	130	NA	NA	NA	NA	NA	NA	NA	511	NA	NA
	04/23/04	**8.4**	76	<1.0	4.7	68	5.5	38	NA	NA	NA	NA	NA	NA	NA	201	NA	NA
*	07/14/04	**20**	130	<0.50	8	130	18	83	<0.20	0.82	8.6	0.23	<1.0	11	21	431	NA	NA
	06/01/06	**9.6**	170	1.1	5.8	130	16	73.7	NA	NA	NA	NA	NA	11	NA	417	NA	NA
	10/11/06	**9.6**	210	2.5	1.5	110	<0.40	2.55	NA	NA	NA	NA	NA	2.9	NA	339	NA	NA
MW06A	05/14/98	**130**	120	<0.25	140	89	22	<0.25	1.4	0.69	4.8	0.43	*1.4*	*15*	11	536	2.66	1.5
	09/02/99	**25**	35	3.9	0.87	5	<0.33	1.9	<0.44	<0.45	1.4	<0.35	<0.87	3.3	3.1	79	NA	NA
	11/23/99	**25**	42	<0.46	1.9	15	<0.29	17	NA	NA	NA	NA	NA	NA	NA	101	<0.10	NA
	06/01/06	0.71	<0.40	0.93	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	2	NA	NA
	10/11/06	**0.74**	<0.40	1.1	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	2	NA	NA

Table 1. Groundwater Analytical Results Summary

Well ID	Date Collected	Benzene	Ethylbenzene	methyl-tert-butylether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Napthalene	n-Propylbenzene	TOTAL VOC'S	DRO (mg/l)	GRO (mg/l)
NR	ES	5	700	60	1000	–	–	10000	–	–	–	–	5	40	–		–	–
140	PAL	0.5	140	12	200	–	–	1000	–	–	–	–	0.5	8	–		–	–
MW07	05/05/95	1.6	3.8	1.3	<1.0	<1.0	<1.0	5.3	<1.0	<1.0	<1.0	<1.0	<4.0	<2.0	<1.0	17.3	0.1	0.077
	01/10/96	13	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.5	ND	ND
	07/30/96	41	4.8	ND	6.6	9.3	4.1	28.2	NA	NA	NA	NA	NA	NA	NA	122	NA	NA
	04/28/97	2.7	1.7	<0.14	1.6	0.84	<0.33	4	<0.44	<0.45	<0.36	<0.35	<0.87	<0.35	<0.46	10.8	<0.10	<0.050
	05/14/98	340	360	<1.6	850	340	84	2200	NA	NA	NA	NA	NA	NA	NA	4174	NA	NA
	09/02/99	50	45	<0.14	6.1	130	38	87	<0.44	<0.45	3.6	<0.35	<0.87	<0.35	7.2	367	0.51	NA
	11/23/99	7.6	11	0.56	0.53	4.5	<0.29	1.3	NA	NA	NA	NA	NA	NA	NA	53.7	NA	NA
	06/01/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
	10/11/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
MW08	05/05/95	190	1100	<10	380	2200	640	5000	89	25	88	54	<40	320	300	15386	5.9	19
duplicate	05/05/95	190	1200	<20	400	2000	590	5000	94	24	82	52	<80	330	170	15132	5.6	18
	01/10/96	780	1100	ND	370	490	63	3900	73	20	63	40	ND	340	130	11269	4.9	14
	07/30/96	570	370	ND	16	470	54	114	17	8	25	ND	ND	110	49	1917	NA	NA
	04/28/97	1100	1500	<7.0	1100	3300	900	5800	180	38	100	<18	300	500	400	15218	20	30
	05/14/98	270	860	<25	63	2300	620	2800	140	31	78	21	70	280	270	7803	12	17
	09/02/99	110	*480*	<14	<39	1900	410	1000	<44	48	56	<35	<87	310	230	4544	18	NA
	11/23/99	150	800	19	100	1700	430	2600	NA	NA	NA	NA	NA	NA	NA	5799	NA	NA
	06/19/01	41	120	<0.80	3.4	290	66	140	NA	NA	NA	NA	NA	NA	NA	660	NA	NA
	01/16/02	81	820	<10	30	1300	390	1100	<10	<10	46	<10	51	160	160	4138	NA	NA
duplicate	01/16/02	94	860	<10	32	1400	450	1200	<10	<10	48	<10	53	190	180	4507	NA	NA
	03/26/02	12	480	<18	8.7	2100	690	600	NA	NA	NA	NA	NA	NA	NA	3891	NA	NA
duplicate	03/26/02	9.9	370	<8.7	5.1	1100	320	430	NA	NA	NA	NA	NA	NA	NA	2235	NA	NA
	06/28/02	50	280	<8.0	22	530	210	250	NA	NA	NA	NA	NA	NA	NA	1342	NA	NA
	10/03/02	57	590	<0.80	28	890	210	760	NA	NA	NA	NA	NA	NA	NA	2535	NA	NA
	12/31/02	37	770	<1.6	23	1300	330	1200	NA	NA	NA	NA	NA	NA	NA	3660	NA	NA
	04/30/03	36	660	<2.3	14	1100	390	540	NA	NA	NA	NA	NA	NA	NA	2740	NA	NA
	07/16/03	32	910	<4.6	18	1500	470	780	NA	NA	NA	NA	NA	NA	NA	3710	NA	NA
duplicate	07/16/03	27	760	<4.6	14	1300	380	620	NA	NA	NA	NA	NA	NA	NA	3101	NA	NA
	10/01/03	27	810	<2.3	16	1600	540	540	NA	NA	NA	NA	NA	NA	NA	3533	NA	NA
	12/30/03	35	52	<9.2	<4.4	120	57	24	NA	NA	NA	NA	NA	NA	NA	288	NA	NA
	04/23/04	29	92	<1.0	0.78	120	48	26	NA	NA	NA	NA	NA	NA	NA	316	NA	NA
	07/14/04	2.4	4.1	<0.50	<0.20	5.7	1.1	0.59	<0.20	<0.25	0.68	<0.20	<1.0	0.78	1.6	17		
	06/01/06	17	35	0.93	0.47	9.9	8.7	2.38	NA	NA	NA	NA	NA	1.3	NA	76	NA	NA
	10/11/06	0.91	13	0.58	<0.36	11	12	2.48	NA	NA	NA	NA	NA	2.3	NA	42	NA	NA

Table 1. Groundwater Analytical Results Summary

Well ID	Date Collected	Benzene	Ethylbenzene	methyl-tert-butylether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Napthalene	n-Propylbenzene	TOTAL VOC'S	DRO (mg/l)	GRO (mg/l)
NR	ES	**5**	**700**	**60**	**1000**	--	--	**10000**	--	--	--	--	**5**	**40**	--		--	--
140	PAL	0.5	140	12	200	--	--	1000	--	--	--	--	0.5	8	--		--	--
MW08A	05/14/98	<0.10	<0.25	0.33	0.47	<0.10	<0.10	0.58	<0.25	<0.25	<0.25	<0.25	0.46	0.13	<0.25	2.0	<0.10	<0.050
	11/23/99	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
	06/27/00	0.72	0.36	0.19	4.1	12	3.4	14	NA	NA	NA	NA	NA	NA	NA	34.8	0.21	0.2
	06/01/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
	10/11/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
MW09	05/05/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<4.0	<2.0	<1.0	0	<0.100	<0.050
	01/10/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND (<1.0)	0	ND	ND
	07/30/96	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
	04/28/97	<0.13	<0.22	0.95	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0.95	<0.10	<0.050
MW10	05/05/95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<4.0	<2.0	<1.0	0	<0.100	<0.050
	01/10/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND (<1.0)	0	ND	ND
	07/30/96	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
	04/28/97	<0.13	<0.22	0.47	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0.47	<0.10	<0.050
	11/23/99	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	<0.10	NA
	06/20/01	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
duplicate	06/20/01	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
MW11	01/10/96	**43**	40	ND	1.6	40	1.2	3.6	ND	ND	4.3	ND	ND	*8.0*	9.2	155	0.28	0.44
	07/30/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	NA	NA
	04/28/97	0.61	<0.38	0.23	0.54	<0.32	<0.33	<1.1	<0.44	<0.45	<0.36	<0.35	<0.87	<0.35	<0.46	1.4	<0.10	<0.050
	09/02/99	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	<0.10	NA
	06/01/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
	10/11/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
MW12	01/10/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND
	07/30/96	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
	04/28/97	<0.31	<0.38	<0.14	<0.39	<0.32	<0.33	<1.1	<0.44	<0.45	<0.36	<0.35	<0.87	<0.35	<0.46	0	<0.10	<0.050
	11/23/99	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	<0.10	NA
	06/01/06	could not find due to construction activities																
MW13	01/10/96	**5.6**	3	ND	5.1	6.2	6.1	4.7	6.1	8.6	6.1	19	ND	**79**	4.8	159	7.4	0.78
	07/30/96	ND	ND	ND	ND	3	ND	ND	1.2	2	ND	4.6	ND	5.1	ND	15.9	NA	NA
duplicate	07/30/96	ND	ND	ND	3	3.2	ND	ND	1.2	2	ND	4.6	ND	4.5	ND	18.5	NA	NA
	04/29/97	<0.31	<0.38	<0.14	<0.39	1.3	<0.33	<1.1	0.68	1	<0.36	0.47	<0.87	4	<0.46	7.5	1.6	0.085
	09/02/99	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	<0.10	NA
	06/20/01	<0.13	<0.22	<0.16	<0.20	<0.22	<0.29	<0.23	NA	NA	NA	NA	NA	NA	NA	0	NA	NA
	06/01/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA
	10/11/06	<0.14	<0.40	<0.36	<0.36	<0.39	<0.40	<1.1	NA	NA	NA	NA	NA	<0.47	NA	0	NA	NA

Table 1. Groundwater Analytical Results Summary

Well ID	Date Collected	Benzene	Ethylbenzene	methyl-tert-butylether	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Napthalene	n-Propylbenzene	TOTAL VOC'S	DRO (mg/l)	GRO (mg/l)
NR	ES	**5**	**700**	**60**	**1000**	--	--	**10000**	--	--	--	--	**5**	**40**	--		--	--
140	PAL	0.5	140	12	200	--	--	1000	--	--	--	--	0.5	8	--		--	--
SVE well	06/01/06	**260**	**850**	7.9	770	1400	440	4700	NA	NA	NA	NA	NA	**320**	NA	8747.9	NA	NA
PW-1	05/14/98	<0.31	<0.38	<0.14	<0.39	<0.32	<0.33	<1.1	<0.44	<0.45	<0.36	<0.35	1.7	<0.35	<0.46	1.7	NA	NA
PW-2	05/14/98	<0.31	<0.38	<0.14	<0.39	<0.32	<0.33	<1.1	<0.44	<0.45	<0.36	<0.35	2.3	<0.35	<0.46	2.3	NA	NA

Notes:
All units in ug/L except noted
NA = not analyzed
Bold indicates exceedance of NR140 Enforcement Standards (ES)
Italic indicates exceedance of NR140 Preventative Action Limit (PAL)
L = Common lab solvent and contaminant

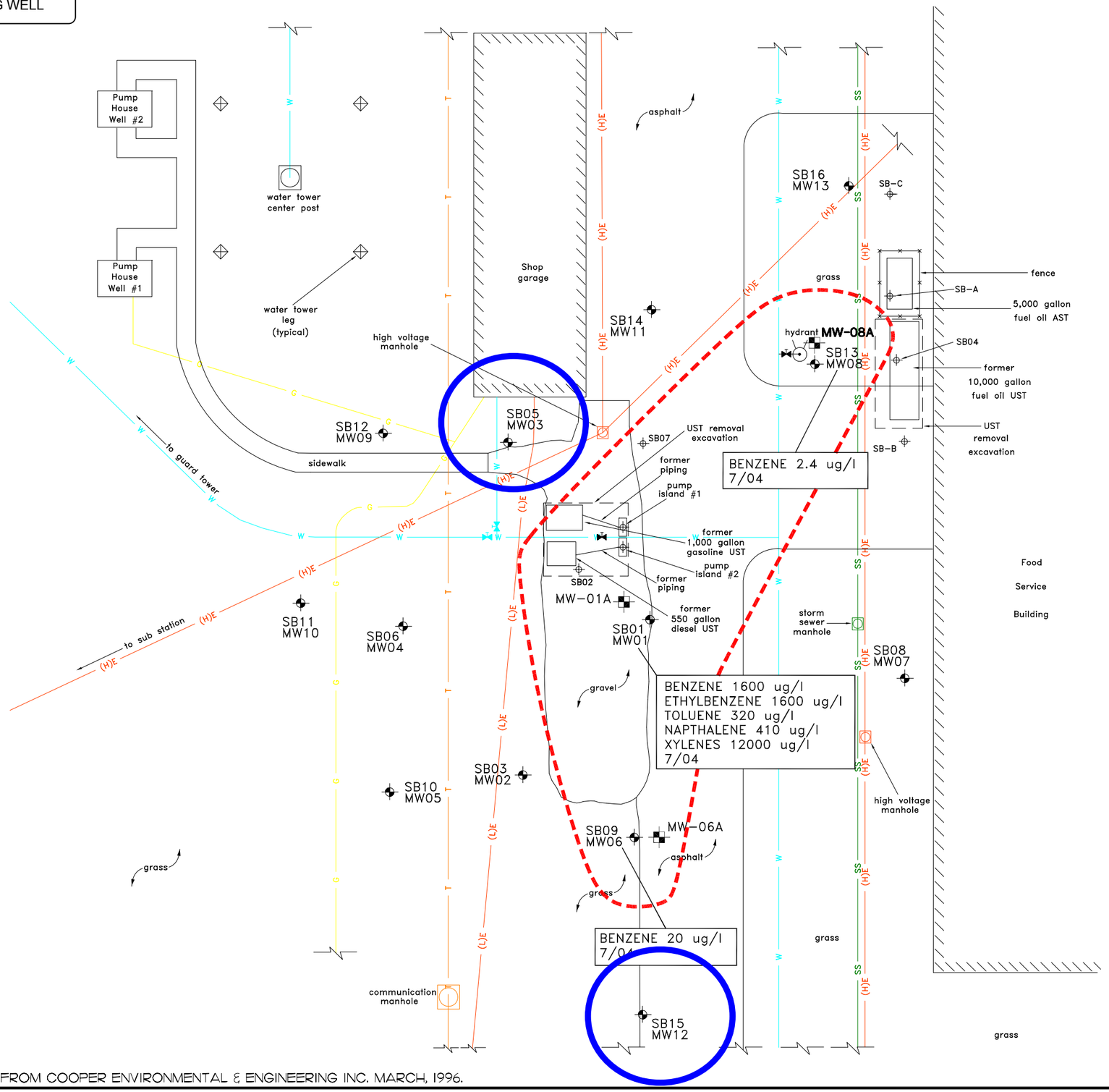
*** Chloromethane enforcement standard excedance of 3.8 ug/L on 7/14/2004**

Groundwater Elevation Summary
Fox Lake Correctional Facility, Fox Lake, Wisconsin

Well Name		MW01	MW01A	MW02	MW03	MW04	MW05	MW06	MW06A	MW07	MW08	MW08A	MW09	MW10	MW11	MW12	MW13
Resurveyed	Top of PVC Elevation	100.35	100.16	99.99	99.64	99.27	99.46	100.8	100.95	100.79	100.26	100.33	99.45	99.25	100.43	101.73	100.4
	Old Elevation (feet)	100.46		100.1	99.74	99.39	99.56	100.87		100.88	100.35		99.54	99.35	100.43	101.72	100.39
04/14/94	Depth to Water (feet)	30.51		24.82	24.53	24.3											
	Water Elevation	69.84		75.17	75.11	74.97											
04/24/94	Depth to Water (feet)	30.66		25.07	23.95	24.45											
	Water Elevation	69.69		74.92	75.69	74.82											
05/05/95	Depth to Water (feet)	29.99		22.72	20.74	21.85	22.58	23.71		31.37	30.84		21.54	22.27			
	Water Elevation	70.36		77.27	78.9	77.42	76.88	77.09		69.42	69.42		77.91	76.98			
06/08/96	Depth to Water (feet)	28.93		22.99	21.34	22.02	22.83	23.97		29.51	28.86		26.34	22.48			
	Water Elevation	71.42		77	78.3	77.25	76.63	76.83		71.28	71.4		73.11	76.77			
01/10/97	Depth to Water (feet)	29.54		25.25	24.08	24.52	24.81	26.06		29.74	29.13		30.41	24.65	29.89	27.05	29.23
	Water Elevation	70.81		74.74	75.56	74.75	74.65	74.74		71.05	71.13		69.04	74.6	70.54	74.68	71.17
04/28/97	Depth to Water (feet)	29.42		23.72	22.45	22.82	23.45	24.65		29.59	28.93		28.05	23.12	29.66	25.76	29.07
	Water Elevation	70.93		76.27	77.19	76.45	76.01	76.15		71.2	71.33		71.4	76.13	70.77	75.97	71.33
07/22/97	Depth to Water (feet)	30.2		24.45	22.15	23.5	24.15	25.35		30.75	30.05		28.4	23.9	29.6	26.38	30.3
	Water Elevation	70.15		75.54	77.49	75.77	75.31	75.45		70.04	70.21		71.05	75.35	70.83	75.35	70.1
05/13/98	Depth to Water (feet)	28.4	26.74	24.12	21.85	23.07	23.9	25.05	27.86		22.14	27.27	28.38	23.65	27.39	26.12	27.27
	Water Elevation	71.95	73.42	75.87	77.79	76.2	75.56	75.75	73.09		78.12	73.06	71.07	75.6	73.04	75.61	73.13
06/19/98	Depth to Water (feet)	28.4	26.74	24.12	21.85	23.07	23.9	25.05	27.86		22.14	27.27	28.38	23.65	27.39	26.12	27.27
	Water Elevation	71.95	73.42	75.87	77.79	76.2	75.56	75.75	73.09		78.12	73.06	71.07	75.6	73.04	75.61	73.13
06/16/99	Depth to Water (feet)	26.06	29.16	22.89	20.04	21.74	22.87	23.95	27.1	26.65	26.01	Dry	23.15	22.44	26.17	25.21	26.13
	Water Elevation	74.29	71	77.1	79.6	77.53	76.59	76.85	73.85	74.14	74.25		76.3	76.81	74.26	76.52	74.27
09/02/99	Depth to Water (feet)	26.25	25.76	24.31	22.92	23.39	24	25.14	27.05	26.83	26.24	>24.37	28.26	23.72	26.48	26.19	26.37
	Water Elevation	74.1	74.4	75.68	76.72	75.88	75.46	75.66	73.9	73.96	74.02	>75.96	71.19	75.53	73.95	75.54	74.03
11/23/99	Depth to Water (feet)	30.65	NM	26.75	24.9	26.05	26.25	27.8	31.5	31.3	30.65		31.5	26.45	30.8	28.25	30.75
	Water Elevation	69.7		73.24	74.74	73.22	73.21	73	69.45	69.49	69.61	100.33	67.95	72.8	69.63	73.48	69.65
04/03/00	Depth to Water (feet)	30.86	31.66	26.77	24.09	26.33	26.76	28.15	32.45	32.24	31.56	Dry	31.43	28.24	32.57	28.5	31.78
	Water Elevation	69.49	68.5	73.22	75.55	72.94	72.7	72.65	68.5	68.55	68.7		68.02	71.01	67.86	73.23	68.62
06/27/00	Depth to Water (feet)	27.85	27.4	22.78	21.3	21.86	22.61	22.74	28.65		27.81	27.49	25.82	22.28	28.13	24.87	26.96
	Water Elevation	72.5	72.76	77.21	78.34	77.41	76.85	78.06	72.3		72.45	72.84	73.63	76.97	72.3	76.86	73.44
10/18/00	Depth to Water (feet)		28.9	24.63	23.25	23.83	24.31	25.46	30.43	30.34	29.71	29.85	30.8	24.6	30.7	26.42	29.91
	Water Elevation	100.35	71.26	75.36	76.39	75.44	75.15	75.34	70.52	70.45	70.55	70.48	68.65	74.65	69.73	75.31	70.49
06/19/01	Depth to Water (feet)	23.7	22.21	20.24	17.35	18.8	20.58	21.58	23.68	23.18	22.63	23.82	19.21	20.14	22.55	23.05	22.78
	Water Elevation	76.65	77.95	79.75	82.29	80.47	78.88	79.22	77.27	77.61	77.63	76.51	80.24	79.11	77.88	78.68	77.62
11/05/01	Depth to Water (feet)	29.4	29.8	24.53	22.91			25.4	30.52		29.72	Dry					
	Water Elevation	70.95	70.36	75.46	76.73			75.4	70.43		70.54						
11/16/01	Depth to Water (feet)	29.81	30.23	25.14	23.65			25.95	31.02		30.13	Dry					
	Water Elevation	70.54	69.93	74.85	75.99			74.85	69.93		70.13						
12/20/01	Depth to Water (feet)	30.29	30.7	25.88	23.09			26.72	31.6		30.65	Dry			31.81		
	Water Elevation	70.06	69.46	74.11	76.55			74.08	69.35		69.61				68.62		
01/16/02	Depth to Water (feet)	31.34	31.37	27.53		25.95	26.14	27.53	31.98	31.86	31.18	Dry	31.1	26.18	32.34		31.42
	Water Elevation	69.01	68.79	72.46		73.32	73.32	73.27	68.97	68.93	69.08		68.35	73.07	68.09		68.98
03/26/02	Depth to Water (feet)	28.98	28.96	23.2	21.4			24.12	29.62	29.57	28.95	Dry			29.75		
	Water Elevation	71.37	71.20	76.79	78.24			76.68	71.33	71.22	71.31				70.68		
06/27/02	Depth to Water (feet)	27.91	27.18	24.1	22.49	23.12	23.89	25.03	28.68	28.48	27.84	Dry	28.16	23.58	28.11		27.98
	Water Elevation	72.44	72.98	75.89	77.15	76.15	75.57	75.77	72.27	72.31	72.42		71.29	75.67	72.32		72.42
10/03/02	Depth to Water (feet)	31.18	31.09	21.83	23.98	28.97	26.35	27.66		31.71	30.71	Dry	31.12		31.87		31.21
	Water Elevation	69.17	69.07	78.16	75.66	70.3	73.11	73.14		69.08	69.55		68.33		68.56		69.19
12/31/02	Depth to Water (feet)	33.43	32.47	28.29	27.33	27.81	27.92	29.57	33.3	33.1	32.29	Dry	31.16				32.52
	Water Elevation	66.92	67.69	71.7	72.31	71.46	71.54	71.23	67.65	67.69	67.97		68.29				67.88
04/30/03	Depth to Water (feet)	34.53	33.86	30.39	23.48	29.86	dry	30.08	34.64	34.42	33.77	Dry	31.12	31.52	dry	28.9	33.79
	Water Elevation	65.82	66.3	69.6	76.16	69.41	dry	70.72	66.31	66.37	66.49		68.33	67.73	dry	72.83	66.61
05/13/03	Depth to Water (feet)	free prod	32.97	24.51	19.35	22.01	30.55	26.56	33.69	33.45	32.49	Dry	20	26.39	33.92	26.66	32.84
	Water Elevation		67.19	75.48	80.29	77.26	68.91	74.24	67.26	67.34	67.77		79.45	72.86	66.51	75.07	67.56
07/16/03	Depth to Water (feet)	free prod	29.89	23.84	21.75	22.45	23.81	24.9	31.3	31.1	13.21	Dry	25.26	23.27	31.08		30.61
	Water Elevation		70.27	76.15	77.89	76.82	75.65	75.9	69.65	69.69	87.05		74.19	75.98	69.35	101.73	69.79
10/01/03	Depth to Water (feet)	30.05	30.85	24.09	22.55	23.02	23.82	24.96	31.72	31.53	30.56	31.05	28.06	23.45	31.07	26.05	31.07
	Water Elevation	70.3	69.31	75.9	77.09	76.25	75.64	75.84	69.23	69.26	69.7	69.28	71.39	75.8	69.36	75.68	69.33
12/31/2003	Depth to Water (feet)	28.31	29.34					24.8			28.25						
	Water Elevation	72.04	70.82					76			72.01						
4/23/2004	Depth to Water (feet)	free prod	26.7	23.1	21.3	21.96	23.01	24.11	27.68	27.46	26.79	26.98	26.24	22.58	27.17		26.99
	Water Elevation		73.46	76.89	78.34	77.31	76.45	76.69	73.27	73.33	73.47	73.35	73.21	76.67	73.26		73.41
7/14/2004	Depth to Water (feet)	24.26	26	23.21	22.06	22.22	23.06	24.14	24.84	24.72	24.13	Dry	26.17	22.69	24.34	25.21	24.21
	Water Elevation	76.09	74.16	76.78	77.58	77.05	76.4	76.66	76.11	76.07	76.13		73.28	76.56	76.09	76.52	76.19

Product in MW-1 on 4-14-94, 4-24-94 4-28-97 (sheen), 5-12-98, 6-19-98 11-23-99, 4-3-00, 6-27-00, 12-31-03, 4-30-03, 7-16-03
Blank indicates a water level was not collected
Wells resurveyed by ECMS June 1998

IMPROPERLY ABANDONED MONITORING WELL



EXPLANATION

SB02 – soil boring location and I.D.

SB01 MW01 – soil boring/monitoring well location and I.D.

– water valve

– fire hydrant

– manhole

(H)E = high voltage line

(L)E = low voltage line

G = natural gas line

T = communication line

W = water line

SS = storm sewer line

UST = Underground Storage Tank

– point of unknown destination

– horizontal extent of contamination

N

SCALE

0 60

Feet

BASE MAP FROM COOPER ENVIRONMENTAL & ENGINEERING INC. MARCH, 1996.

FOX LAKE CORRECTIONAL INSTITUTION FOX LAKE, WISCONSIN	DATE: 11/17/05
	DESIGNED: KFL
	CHECKED: KFL
IMPROPERLY ABANDONED MONITORING WELL	APPROVED: DLM
	DRAWN: HJW
	PROJ.: 1310.001
GeoTrans, Inc. A TETRA TECH COMPANY	

S:\CAD\Fox Lake\4-30-07\fox-b12.dwg 04/30/2007 14:49:08

IMPROPERLY ABANDONED MONITORING WELL

0-09

Facility License, Permit or Monitoring Number: Fox Lake Correctional Facility

Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.

Well Name: MW03

Wis. Unique Well Number: ____ DNR Well Num: ____

Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12

Section Location: SE 1/4 of NE 1/4 of Section 11, T 13 N, R 13 ■ E ☐ W

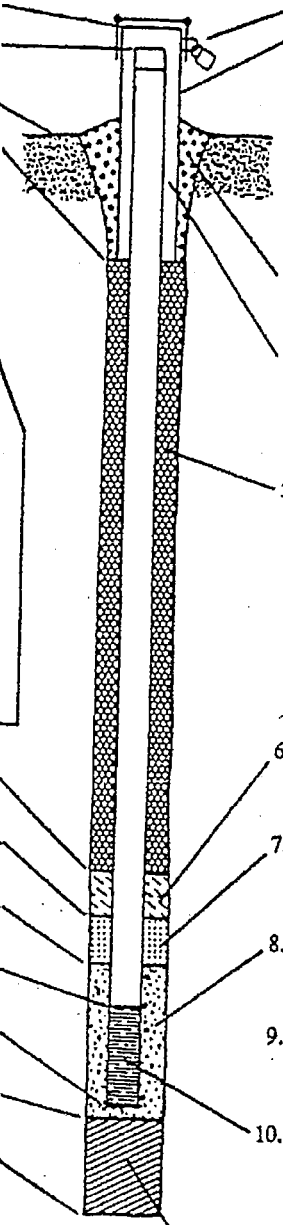
Date Well Installed: 04/08/94 (m m d d y y)

Distance Well Is From Waste/Source Boundary: ____ ft.

Well Installed By: (Person's Name and Firm) Wisconsin Test Drilling, John

Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ■ Not Known



. Protective pipe, top elevation ____ ft. MSL

. Well casing, top elevation ____ ft. MSL

. Land surface elevation ____ ft. MSL

. Surface seal, bottom ____ ft. MSL or 1.0 ft.

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

3. Sieve analysis attached? ☐ Yes ■ No

4. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐

5. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

6. Drilling additives used? ☐ Yes ■ No

Describe ____

7. Source of water (attach analysis): ____

Bentonite seal, top ____ ft. MSL or 1.0 ft.

Fine sand, top ____ ft. MSL or 12.6 ft.

Filter pack, top ____ ft. MSL or 14.5 ft.

Well screen, top ____ ft. MSL or 17.0 ft.

Well screen, bottom ____ ft. MSL or 32.0 ft.

Filter pack, bottom ____ ft. MSL or 32.0 ft.

Borehole, bottom ____ ft. MSL or 32.0 ft.

Borehole, diameter 8.5 in.

O.D. well casing 2.37 in.

I.D. well casing 2.05 in.

1. Cap and lock? ■ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9.0
b. Length: 1.0
c. Material: Aluminum Flush mount — Steel ☐ 0; Other ■
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____

3. Surface seal: Bentonite ☐; Concrete ■; Other ☐

4. Material between well casing and protective pipe: Bentonite ■; Annular space seal ☐; Other ☐

5. Annular space seal: Granular Bentonite ■ 3; ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3; ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31; ____ % Bentonite . . . . . Bentonite-cement grout ☐
6-50 # bags ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐; Gravity ■

6. Bentonite seal: Bentonite granules ■ 33; ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3; Other ☐

7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp Fine Sand BB #7
Volume added 2-50 # bags ft³

8. Filter pack material: Manufacturer, product name and mesh size
Red Flint Filter Pack #30
Volume added 7-50 # bags ft³

9. Well casing: Flush threaded PVC schedule 40 ■ 2; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: PVC
Screen type: Factory cut ■ 11; Continuous slot ☐ 0; Other ☐
Manufacturer Northern Air
Slot size: 0.010 in.
Slotted length: 15.0

11. Backfill material (below filter pack): None ■; Other ☐

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

Signature: Todd Stephens

Firm: Cooper Environmental & Engineering Resources, Inc

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

IMPROPERLY ABANDONED MONITORING WELL

partment of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

cility/Project Name: Fox Lake Correctional Institute	Local Grid Location of Well: ☐N. ☐S. ft. ☐E. ☐W. ft.	Well Name: MW-12
cility License, Permit or Monitoring Number	Grid Origin Location: Lat. ° ' " Long. ° ' " or St. Plane ft. N, ft. E.	Wis. Unique Well Number / DNR Well Number
pe of Well: Water Table Observation Well ☒11; Piezometer ☐12	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 11 T. 13 N, R. 13 ☒E. ☐W.	Date Well Installed: 12/20/95
stance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) Rick O'Gorman, Boart Longyear
Well A Point of Enforcement Std. Application? ☒ Yes ☐ No		

. Protective pipe, top elevation _____ ft. MSL

Well casing, top elevation -0.50 ft. MSL

. Land surface elevation _____ ft. MSL

. Surface seal, bottom _____ ft. MSL or 1.0 ft.

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

3. Sieve analysis attached? ☐ Yes ☐ No

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

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

rilling additives used? ☐ Yes ☐ No

Describe _____

7. Source of water (attach analysis): _____

. Bentonite seal, top _____ ft. MSL or 1.0 ft.

. Fine sand, top _____ ft. MSL or 16.0 ft.

. Filter pack, top _____ ft. MSL or 18.0 ft.

. Screen joint, top _____ ft. MSL or 20.0 ft.

Well bottom _____ ft. MSL or 35.0 ft.

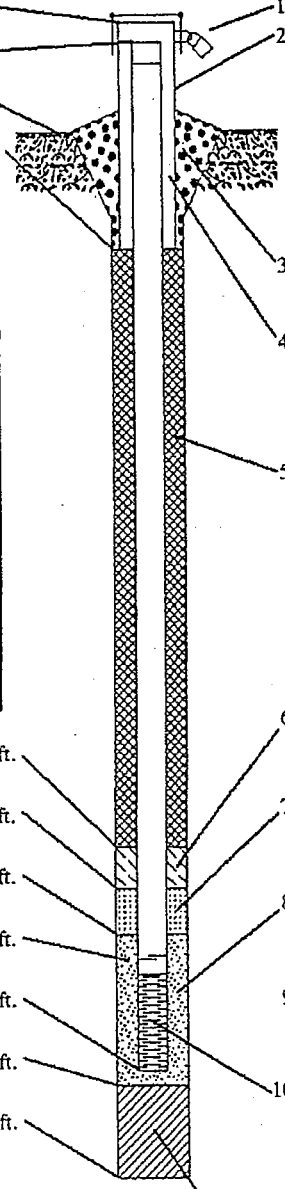
Filter pack, bottom _____ ft. MSL or 36.0 ft.

. Borehole, bottom _____ ft. MSL or 36.0 ft.

. Borehole, diameter 8.0 in.

. O.D. well casing 2.37 in.

. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 9.0 in.
   b. Length: 1.0 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. 8 bags Ft³ 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. _____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
   a. #7 Badger
   b. Volume added 1 bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
   a. #30 American Material
   b. Volume added 11 bags ft³
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 Boart Longyear
   c. Slot size: 0.010 in.
   d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

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

Signature _____ Firm Boart Longyear, 101 Alderson Street, Tel: (715) 359-7090, Fax: (715) 355-5715

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.