

GIS REGISTRY

Cover Sheet

May, 2009
(RR 5367)

Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

X: Y:

** 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:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

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 or economic
development corporation)*

Monitoring Wells:

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

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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 #: PARCEL ID #:

ACTIVITY NAME: WTM COORDINATES: X: Y:

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

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- 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:**
- 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 8.5 x 14 inches unless the map is submitted electronically.
- 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 #: na **Title: na**
 - 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 #: 1 **Title: Soil Boring , Monitoring Well and Geoprobe Location Map**
 - 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: NW Boat Storage Geoprobe and Monitoring Well Location Diagram**

BRRTS #: 03-71-212698

ACTIVITY NAME: MERCURY MARINE NORTHWEST BOATYARD

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 #: 3 Title: Groundwater Elevations and Cross Section Index

Figure #: 4 Title: Cross Section

- 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: NW Boat Storage Geoprobe and Monitoring Well Location Diagram

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

Figure #: 3 Title: Groundwater Elevations and Cross Section Index

Figure #: Title:

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

Tables must be no larger than 8.5 x 14 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 #: 1 Title: Soil Field Observations and Laboratory 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 #: 4 Title: Groundwater Monitoring Results

- 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 #: 3 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:

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 #: 03-71-212698

ACTIVITY NAME: MERCURY MARINE NORTHWEST BOATYARD

NOTIFICATIONS

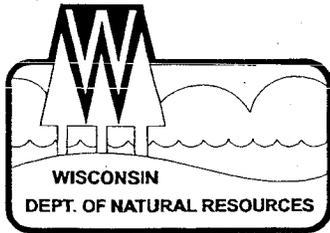
Source Property

- 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.

- 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

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TDD 920-492-5912

February 11, 2003

Mr. Ray Moreno
Mercury Marine
W6250 Pioneer Road
P.O. Box 1939
Fond du Lac, Wisconsin 54936-1939

Subject: Case Closure, Mercury Marine Plant 33 - Northwest Boat Yard, 505 Marion Road, Oshkosh, Wisconsin BRRTS # 03-71-212698

Dear Mr. Moreno:

The above case has been reviewed for closure by the Northeast Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On June 3, 1999, you were notified that the Closure Committee had granted conditional closure to this case. At that time, Mercury Marine chose to delay meeting the requirements of the conditional closure pending the closure of the adjacent Plant 33 case (BRRTS # 03-71-000174).

The Department has received the documents needed for this case to comply with the conditions of closure. A soil deed restriction has been filed with the Winnebago County Register of Deeds for the contaminated soil left on-site. Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

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 registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

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 this 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 the environment.

Mr. Ray Moreno
February 11, 2003
Page 2

The Department appreciates your company's efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-492-5861.

Yours truly,

A handwritten signature in cursive script, appearing to read "Alan Thomas Nass".

Alan Thomas Nass, PG, PS
Hydrogeologist

10
67

OCT 11 2002



1203119

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON

10-01-2002 02:18 PM

SUSAN WINNINGHOFF
REGISTER OF DEEDS

RECORDING FEE 21.00
TRANSFER FEE
OF PAGES 6

Document Number

DEED RESTRICTION

Declaration of Restrictions

In Re: Lots One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), and Ten (10) of Block "O" in Western Addition, in the First Ward, City of Oshkosh.

All as also described in Exhibit A.

Recording Area

Name and Return Address

Mercury Marine
Environmental Department
W6250 Pioneer Road
P.O. Box 1939
Fond du Lac, WI 54936-1939

~~AREA~~

STATE OF WISCONSIN)
) ss
COUNTY OF WINNEBAGO)

Parcel Identification Number (PIN)

WHEREAS, Brunswick Corporation, a Delaware Corporation, is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Petroleum-contaminated groundwater above Ch. NR 140, Wis. Adm. Code enforcement standards existed on this property at the following locations on the following dates: at extraction well 33E92-2 on August 9, 1999, methyl tert-butyl ether (MTBE) at 120 micrograms per liter (ug/l), at monitoring well 33W-14 on August 9, 1999, benzene at 30 ug/l, at extraction well 33E92-1 on November 7, 2000, benzene at 452 ug/l, at extraction well 33E93-009 on August 9, 1999, benzene at 6.8 ug/l, at extraction well 33E93-010 on August 9, 1999, benzene at 400 ug/l, at monitoring well 33W-15 on August 9, 1999, benzene at 40 ug/l, and at monitoring well TMW-32 on November 6, 2000, benzene at 13.6 ug/l and MTBE at 77.3 ug/l, and petroleum-contaminated soil existed on the property at the following locations on the following dates: soil boring 33GP-40 on June 28, 1995, benzene at 5.9 milligrams per kilogram (mg/kg), at 33GP-42 on June 28, 1995, Diesel Range Organics (DRO) at 1,100 milligrams per kilogram (mg/kg), benzene at <5,000 micrograms per kilogram (ug/kg), ethylbenzene at <5,000 ug/kg, toluene at <5,000 ug/kg, and xylenes at <15,000 ug/kg, at soil boring 33GP-42A on August 18, 1995, benzene at <500 ug/kg, at soil boring 33GP-46 on June 29, 1995, DRO at 189 mg/kg and benzene at <500 ug/kg, and at soil boring 33GP-55 on August 18, 1995, benzene at 7.2 ug/kg. The locations of these monitoring wells and soil borings are shown on Figure 1 attached and hereby made part of this exhibit. Due to the limited soil analysis completed above the water table, additional petroleum contamination may remain in the soil beneath the cap and buildings but above the watertable across much of the site. These sites of possible petroleum contamination along with known

contamination at monitoring wells and soil borings are shown on Figure 1 attached and hereby made part of this exhibit.

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

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

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

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

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

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

The following activities are prohibited on that portion of the property described above where a cap or building have been placed, unless prior approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Removal of the concrete and/or asphalt cap; (2) Excavating or grading of the land surface; (3) Filling on the capped area; (4) Plowing for agricultural cultivation; (5) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover; and (6) Major excavation and installation of utilities. However, in the event of minor cap disturbance such as normal operational maintenance, system upgrade, utility repair, installation of new equipment and associated utilities, the Property Owner will provide notification within 60 days thereafter to the WDNR, or its successor

or assign. The notification shall include the nature, location and date of the work, how any removed soil was screened, sampled, analyzed, stockpiled and disposed of and how the cap was restored. In addition, the cap or cover shall be maintained in compliance with a plan submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by section NR 724.13(2), Wis. Adm. Code (1999).

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

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

By signing this document, James C. Hubbard asserts that he is duly authorized to sign this document on behalf of the Brunswick Corporation.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 20 day of December, 2001.

Signature: *James C. Hubbard*
Printed Name: James C. Hubbard
Title: Senior Vice President and Chief of Staff



Subscribed and sworn to before me this 20 day of December, 2001.

Mary K. Han
Notary Public, State of WISCONSIN
My commission 3-10-02

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by Mercury Marine's Environmental Department.

**MERCURY MARINE PLANT 33
505 MARION ROAD
OSHKOSH, WISCONSIN**

CAP MAINTENANCE PLAN



Purpose

This plan has been prepared as a condition of the Wisconsin Department of Natural Resources (WDNR) case closure of Bureau of Remediation and Redevelopment (BRRTS) Case Numbers 03-71-000174 and 03-71-212698. A protective cap, consisting of the existing paved surfaces and building flooring or an alternate cap approved by the WDNR, or its successor or assign, must be maintained by Mercury Marine or future owners of the site (Property Owner) as a condition of closure. Following, are the site location, nature and extent of contamination, description of cap maintenance activities, and site contacts.

Location

Mercury Marine Plant 33 is located at 505 Marion Road in the City of Oshkosh in Winnebago County, Wisconsin in the SW ¼ of the NE ¼ of Section 23, T18N, R16E. The site consists of Lots One (1) through Ten (10) of Block "O" in the Western Addition, First Ward, City of Oshkosh. The site layout is displayed on attached Figure 1.

Nature and Extent of Contamination

Petroleum contamination in soil at the site was the result of leakage from gasoline underground storage tank systems operated by Mercury Marine (BRRTS No. 03-71-000174) and previous site owners (BRRTS No. 03-71-212698). The nature and extent of contamination are described in the site investigation reports and closure requests prepared by STS Consultants, Ltd. of Green Bay, Wisconsin. WDNR conditional case closures for both BRRTS cases were approved pending: (1) filing of a soil deed restriction, (2) submittal of a cap maintenance plan, (3) abandonment of monitoring wells and, for Case 03-71-000174, (4) filing of a groundwater use restriction. Areas of remaining soil contamination are described in the soil deed restriction for the property.

Cap Maintenance Activities

The cap consists of the existing asphalt and concrete pavement and building flooring.

In the event of future redevelopment of the site, an alternate cap may be installed and maintained by the property owner in place of the existing cap with prior approval from the WDNR, or its successor or assign.

The Property Owner will maintain the integrity of the existing cap until such a time as the requirement to maintain the cap is extinguished by the WDNR, or its successor or assign.

The following activities are prohibited on that portion of the property described above where a cap or building have been placed, unless prior approval has been obtained from the WDNR, or its successor or assign: (1) Removal of the concrete and/or asphalt cap; (2) Excavating or grading of the land surface; (3) Filling on the capped area; (4) Plowing for agricultural cultivation; (5) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover; and (6) Major excavation and installation of utilities. However, in the event of minor cap disturbance such as normal operational maintenance, system upgrade, utility repair or installation of new equipment and associated utilities, the Property Owner will provide notification within 60 days thereafter to the WDNR, or its successor or assign. The notification shall include the nature, location and date of the work, how any removed soil was screened, sampled, analyzed, stockpiled and disposed of and how the cap was restored.

Inspection

The property owner or the property owner's designated representative will inspect the condition of the cap on an annual basis and maintain a record of the date of inspection, inspector's name and association with the property owner, and comments as to the inspection results. The property owner will make the inspection record available to the WDNR, or its successor or assign, upon request.

Site Contacts

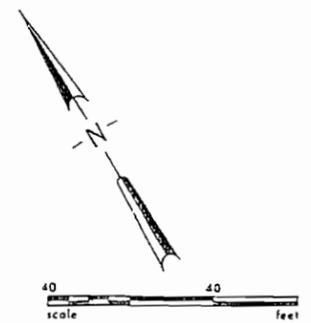
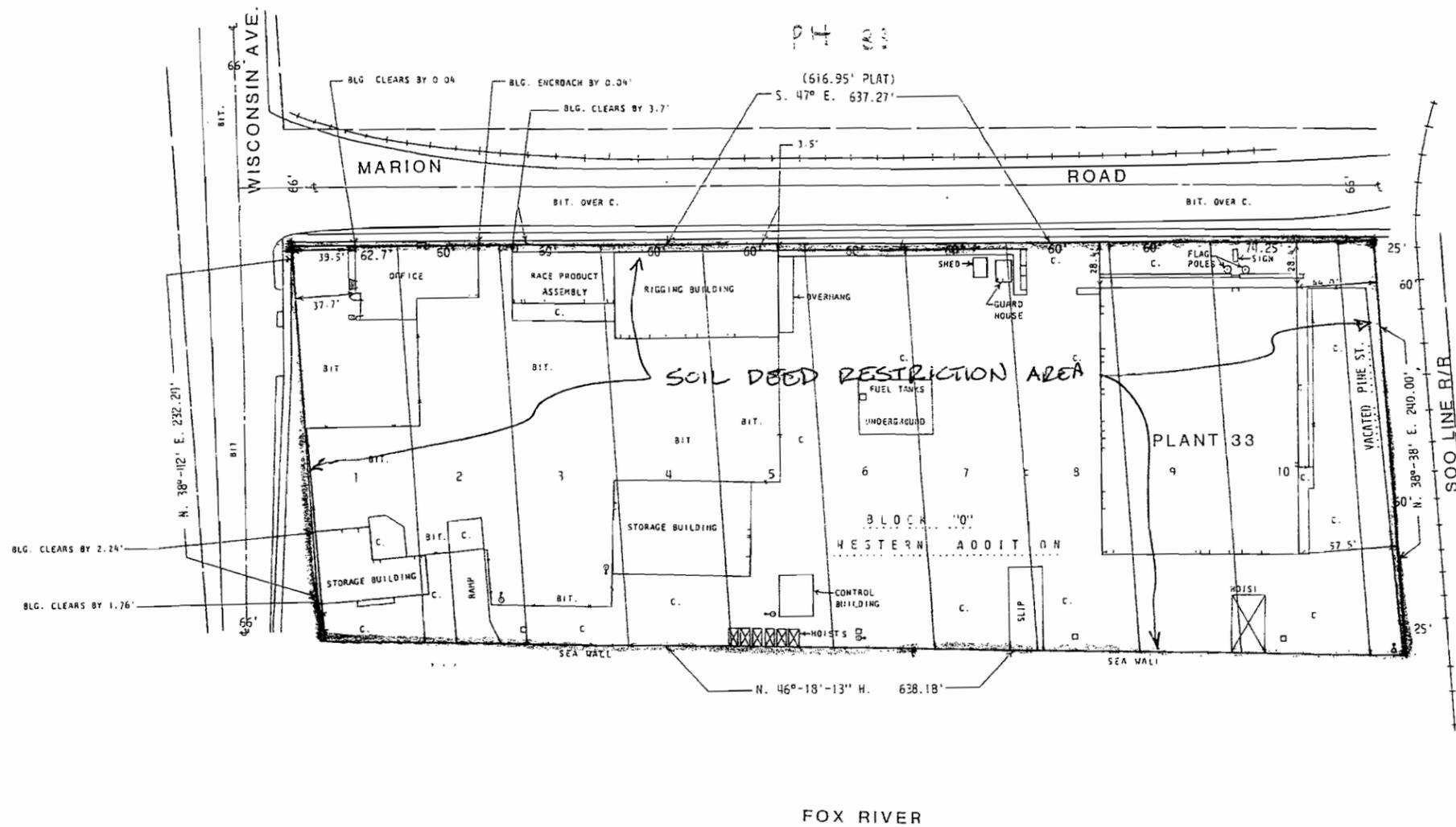
The WDNR and Property Owner contacts for this site at the time of submittal of this plan are listed below. The property owner and agency contacts may change over time.

WDNR Site Contact

Mr. Kevin McKnight
Wisconsin Department of Natural Resources
Bureau of Remediation and Redevelopment
625 East County Road Y
Suite 700
Oshkosh, Wisconsin 54901-9731
(920) 424-7890

Property Owner Contact

Mr. Tom Baumgartner
Director of Environmental Compliance
Mercury Marine
W 6250 Pioneer Road
P.O. Box 1939
Fond du Lac, Wisconsin 54936-1939
(920) 929-5379



- LEGEND**
- T — UNDERGROUND TELEPHONE LINE
 - X — FENCE
 - 1" — STORM SEWER MAIN
 - 1.4" — SANITARY SEWER MAIN
 - W — WATER MAIN
 - G — GAS MAIN
 - E — UNDERGROUND ELECTRIC CABLE
 - STORM SEWER MANHOLE
 - ⊙ SANITARY SEWER MANHOLE
 - ⊙ TELEPHONE MANHOLE
 - ⊙ ROUND TYPE CATCH BASIN
 - WATER MAIN VALVE
 - GAS MAIN VALVE
 - PARKING LOT LIGHT
 - ⊙ POWER POLE
 - FUEL PUMP
 - HYDRANT
 - CENTER LINE
 - + EXISTING SPOT ELEVATION
 - 39.39
 - ▼ R/R SPIKE SET
 - CROSS CUT IN CONCRETE
 - REBAR SET
 - IRON PIPE LOCATED
 - C CONCRETE PAVEMENT
 - BIT BITUMINOUS PAVEMENT
 - R/W LINE

NOTE: NORTH-SOUTH PROPERTY LINES FOR LOTS 1-10 IN BLOCK 10, WESTERN ADDITION ARE SHOWN ON THE PLAT AS ENDING AT THE WATER'S EDGE. THE LOT LINES ON THIS MAP ARE SHOWN ENDING AT THE SOUTHERLY SIDE OF THE SEAWALL.

TOTAL ACREAGE = 3.445 ACRES

B.M. HYDRANT CORNER WISCONSIN AVE. AND MARION ROAD ELEV. 753.22

B.M. HYDRANT SOUTH SIDE MARION ROAD 270' EAST OF WISCONSIN AVE. ELEV. 754.97

PLANT 33

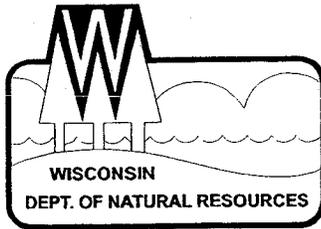
MERCURY MARINE
A BRUNSWICK COMPANY

1832 PIONEER ROAD - FOND DU LAC, WI 54635 U.S.A.

REVISIONS			PLAT PLAN AND PROPERTY SURVEY FOR MERCURY MARINE		
NO.	DATE	BY	LOTS 1-10 BLOCK "10" WESTERN ADDITION CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN		
1			DRAWN BY	SCALE	MATERIAL
2			CHK'D	DATE	DRAWING NO.
3			TRACED	APP'D	

DRAWN BY: H. L. VENNE
SCALE: 1" = 40'
DATE: 5-24-85
APP'D: JEA

FIGURE 1



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William R. Selbig, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TDD 920-492-5912

June 3, 1999

Mr. Ray Moreno
Mercury Marine
W6250 West Pioneer Road
P.O. Box 1939
Fond du Lac, Wisconsin 54936

Subject: Closure of Case with Deed Restriction and Groundwater Standard Exemption,
Mercury Marine Northwest Boatyard, 505 Marion Road, Oshkosh, Wisconsin
BRRTS #: 03-71-212698

Dear Mr. Moreno:

The Department's Case Closeout Committee in the Northeast Region has completed a review of the above referenced contamination case and has approved it for closure pending a deed restriction. Your case closure letter has the following two significant parts:

1. Case closure with deed restriction criteria.
2. Exemption issued to State Groundwater Quality Standard (NR 140)

Please read this entire letter. It addresses each of these topics with subtitled, highlighted paragraphs.

Case Closure With Deed Restriction

The case closure committee reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. The committee has agreed to close this case pending the filing of a deed restriction. This deed restriction will state that inaccessible soil contamination may remain at this site and that additional remedial action is not feasible at this time. The document would be placed in the file with the deed running with the property.

Only when the deed restriction has been finalized and filed with Winnebago County can this case be closed. To complete the deed notification, the Department requires a complete (unabbreviated) legal description and map of the property. The legal description may be obtained from the Winnebago County Register of Deeds.

As soon as this is submitted, the Department will send you a draft copy of the deed restriction, containing language regarding the remaining petroleum contamination. A revised copy will be sent for your review and signature. If it is acceptable, you are to sign it and return a signed copy along with proof of filing for Department files. At that time, the site may be closed.

This deed restriction is an option that the Department can offer in order to close this site. If you choose not to accept this option, you may perform additional investigation and cleanup of the

Mr. Ray Moreno
June 3, 1999
Page 2

remaining contamination. Within **14 days** please submit a letter to the Department documenting you intentions.

Groundwater Quality Exemption

The most recent groundwater monitoring data at this site indicates an exceedance of the NR 140 preventive action limit (PAL) for benzene but compliance with the NR 140 enforcement standard. The Department may grant an exemption pursuant to NR 140.28(2), Wis. Adm. Code, if the following criteria are met:

- a) The anticipated increase in the concentration of benzene will be minimized to the extent technically and economically feasible.
- b) Compliance with the PAL is either not technically or economically feasible.
- c) The enforcement standard for benzene will not be attained or exceeded at the point of standards application.
- d) Any increase in the concentration of benzene above background does not present a threat to public health or welfare.

The Department believes that the above criteria have been or will be met because of the remediation that has occurred at this site. Therefore, pursuant to NR 140.28, an exemption for the benzene PAL is granted to monitoring well MW33W-19. This letter serves as your exemption.

As a condition of this closure, the Department is requiring you to properly abandon all groundwater monitoring wells associated with this case and provide the Department with proper documentation of such abandonment. If you want to keep one or more wells (e.g. 33W-22, 33W-16) for the purpose of monitoring for the adjacent contamination case, you may do so. If this is done, please identify which wells you desire to keep. **This case will be listed as "active" on the Department's tracking system until the above mentioned conditions are met.**

The Department appreciates the actions you have undertaken to restore the environment at this site. If you have questions regarding this letter please do not hesitate to contact me in Green Bay at (920) 492-5861.

Yours truly,



Alan Thomas Nass, P.G.
Hydrogeologist

cc: Steve Karklins - DG/2
Rick Stoll - NER
Paul Killian, STS, 1035Kepler Drive, Green Bay, Wisconsin 54311

Exhibit A

WARRANTY DEED—Corporation To Corporation.

Form 187

VOL. 1229 PAGE 636

Form of No. 2

Sections 238.16 Wisconsin Statutes

This Indenture, Made this 21 day of January A. D. 1969

between Pipkorn Fuel and Supply Company

a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at

Oshkosh Wisconsin, party of the first part, and Brunswick Corporation,

a Corporation duly organized and existing under and by virtue of the laws of the State of Delaware, licensed to do business in Wisconsin, located at Oshkosh Wisconsin, party of the second part,

Witnesseth, That the said party of the first part, for and in consideration of the sum of

One Dollar and other valuable consideration

to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Winnebago and State of Wisconsin, to-wit:

Lots One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), and Ten (10) of Block "O" in WESTERN ADDITION, in the First Ward, City of Oshkosh.

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 party 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 and assigns FOREVER.

And the said Pipkorn Fuel and Supply Company party of the first part, for itself and its successors, does covenant, grant, bargain and agree to abd with the said party of the second part, its successors and assigns, that at the time of the ensealing and delivery of these presents it 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 party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT AND DEFEND.

In Witness Whereof, the said Pipkorn Fuel and Supply Company

party of the first part, has caused these presents to be signed by Donna Pipkorn Saloman

its President, and countersigned by Robert R. Lipinski its Secretary,

at Oshkosh, Wisconsin, and its corporate seal to be herunto affixed; this 14

day of January, A. D., 1969.

SIGNED AND SEALED IN PRESENCE OF

Lewis C. Magnusen

Marjorie Kerrigan

State of Wisconsin,

Winnebago County.

PIPKORN FUEL & SUPPLY COMPANY

Donna Pipkorn Saloman

Robert R. Lipinski

THIS INSTRUMENT WAS DRAFTED BY
Lewis C. Magnusen, Atty.
Oshkosh, Wisconsin.

Personally came before me, this 14 day of January, A. D., 1969

Donna Pipkorn Saloman President, and Robert R. Lipinski

Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Lewis C. Magnusen

Notary Public, Winnebago County, Wis.

My commission expires permanently



Section 19.11 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary. Section 19.13 similarly requires that the name of the person who, or governmental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.

No. 379508
Pipkorn Fuel and Supply Company

TO
HEMLOCK CORPORATION

Premises

Warranty Deed

This instrument should be immediately placed upon record to avoid future trouble and litigation.

REGISTER'S OFFICE,
State of Wisconsin,

WINNEBAGO County,

Received for Record this 14th day of

January, A. D., 1969,

at 3:20 o'clock P.M. and recorded in

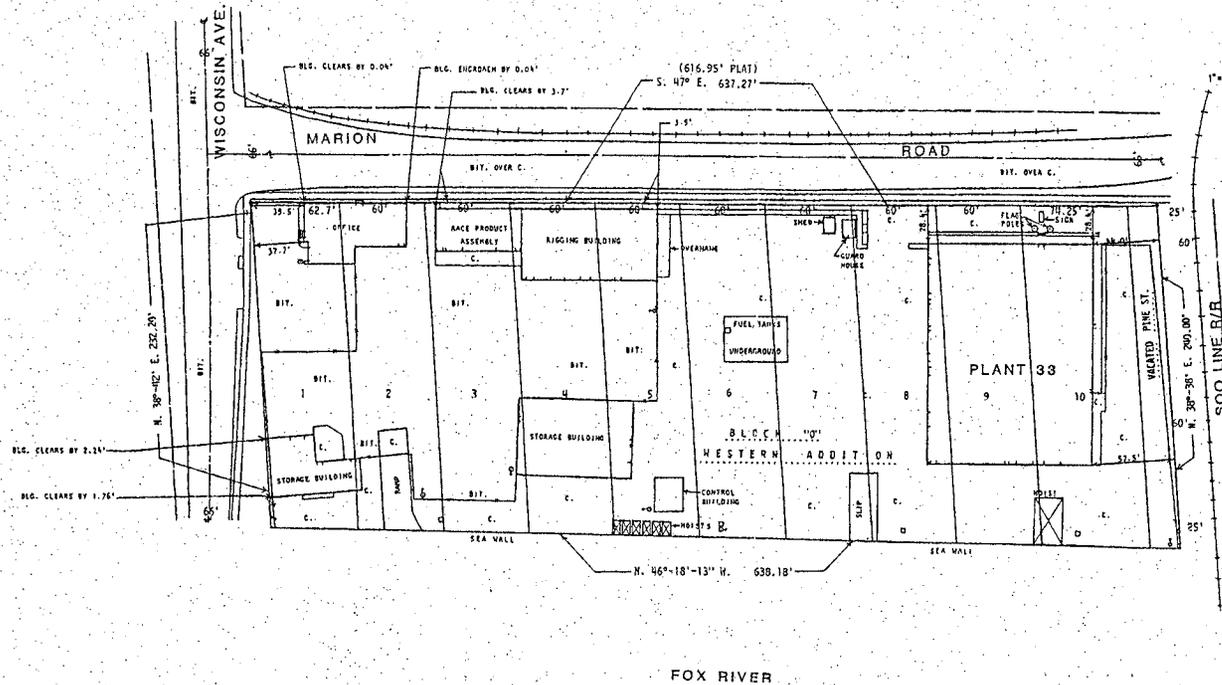
Vol. 1229 page 636

Paula Feinert
Register of Deeds.

Deputy.

Cheryl

Schmitt Nov 1, 1969



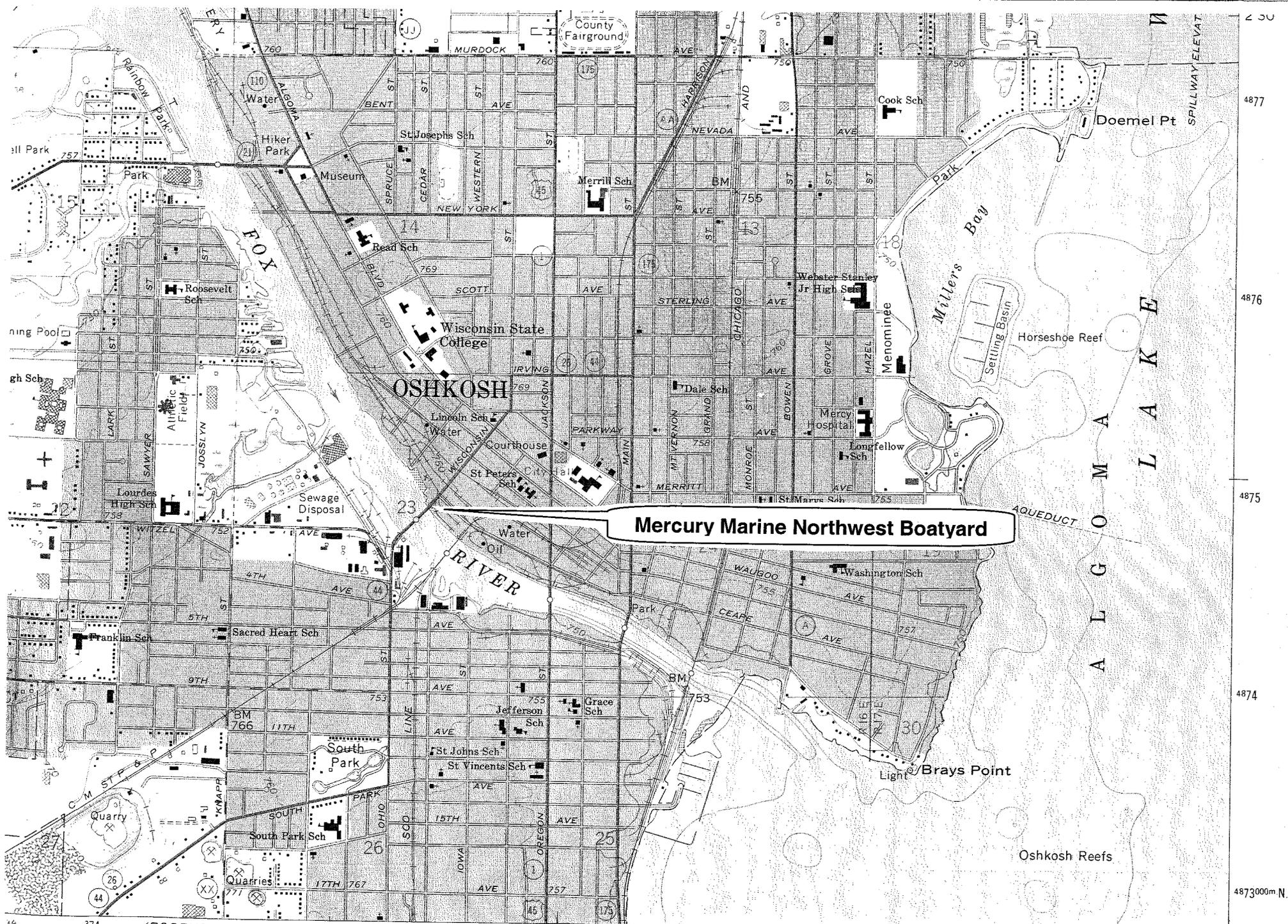
- LEGEND**
- T — UNDERGROUND TELEPHONE LINE
 - F — FENCE
 - S — STORM SEWER MAIN
 - S — SANITARY SEWER MAIN
 - W — WATER MAIN
 - C — GAS MAIN
 - E — UNDERGROUND ELECTRIC CABLE
 - S — STORM SEWER MANHOLE
 - S — SANITARY SEWER MANHOLE
 - T — TELEPHONE MANHOLE
 - R — ROUND TYPE CATCH BASIN
 - V — WATER MAIN VALVE
 - S — GAS MAIN VALVE
 - P — PARKING LOT LIGHT
 - P — POWER POLE
 - P — FUEL PUMP
 - H — HYDRANT
 - C — CENTER LINE
 - E — EXISTING SPOT ELEVATION
 - S — R/R SPIKE SET
 - C — CROSS CUT IN CONCRETE
 - R — REBAR SET
 - I — IRON PIPE LOCATED
 - C — CONCRETE PAVEMENT
 - BIT — BITUMINOUS PAVEMENT
 - R/W — R/W LINE

NOTE: NORTH-SOUTH PROPERTY LINES FOR LOTS 1-10 IN BLOCK O, WESTERN ADDITION ARE SHOWN ON THE PLAT AS ENDING AT THE WATER'S EDGE. THE LOT LINES ON THIS MAP ARE SHOWN ENDING AT THE SOUTHERLY SIDE OF THE SEAWALL.

TOTAL ACREAGE = 3.445 ACRES
 B.M. HYDRANT CORNER WISCONSIN AVE. AND MARION ROAD ELEV. 753.22
 B.M. HYDRANT SOUTH SIDE MARION ROAD 270' EAST OF WISCONSIN AVE. ELEV. 754.57

REVISIONS		DATE		BY	NO.	DESCRIPTION
1						
2						
3						
4						
5						
6						

MERCURY MARINE A BRUNSWICK COMPANY
 1700 POLMER ROAD • FOND DU LAC, WISCONSIN U.S.A.
 PLOT PLAN AND PROPERTY SURVEY FOR MERCURY MARINE
 LOTS 1-10 BLOCK 007 WESTERN ADDITION CITY OF BRUSH, WINNEBAGO COUNTY WISCONSIN
 DATE OF SURVEY: 1964
 SURVEYOR: J. E. HARRIS
 COUNTY: WINNEBAGO
 DISTRICT: 10



Mercury Marine Northwest Boatyard

44 20 MI 374 (ROSENDALE 1:62 500) NORTH FOND DU LAC 5 MI 32'30" 21 MI TO JS 35
 327' 1" FOND DU LAC CH 9 MI
 INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA—1977
 379000m E. 88° 30' 44° 00'

SCALE 1:24 000



ROAD CLASSIFICATION

Heavy-duty

Light-duty

(FAIRNEY 3371 N)

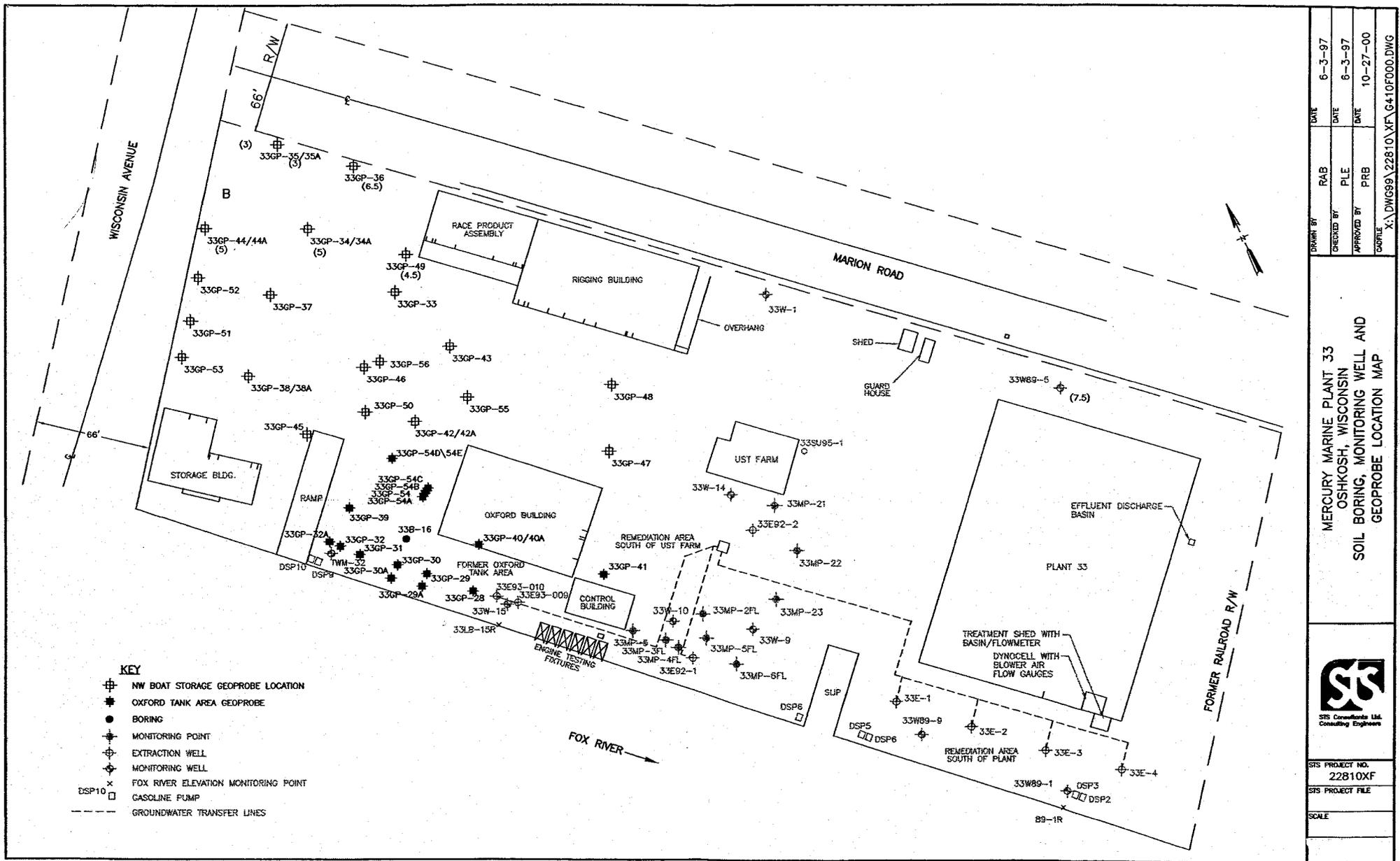


Figure 1



WISCONSIN AVENUE

MARION ROAD

FORMER RAILROAD R/W

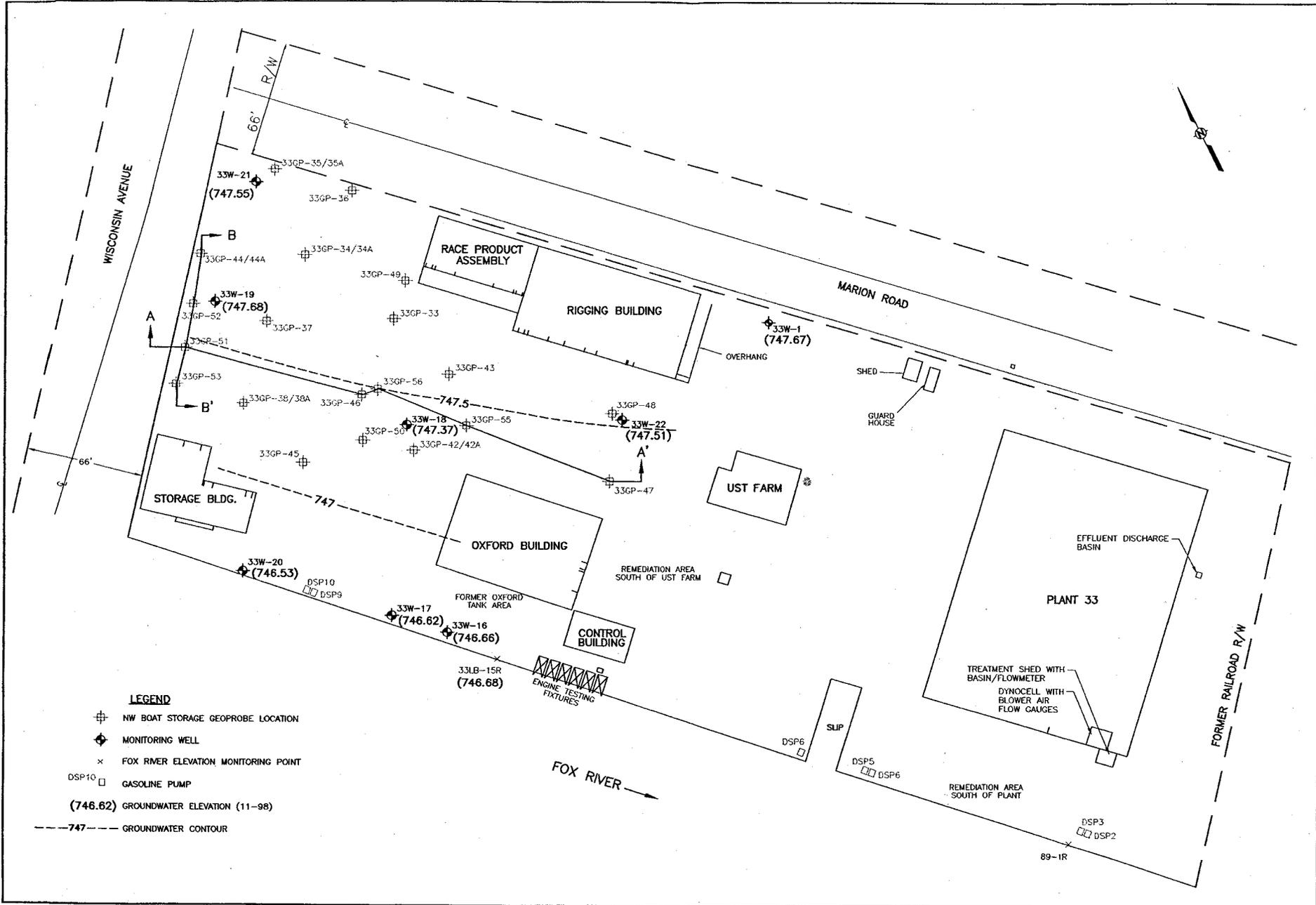
FOX RIVER

- LEGEND**
- ⊕ NW BOAT STORAGE GEOPROBE LOCATION
 - ⊕ MONITORING WELL
 - × FOX RIVER ELEVATION MONITORING POINT
 - DSP10 □ GASOLINE PUMP

WT @ 2.9' - 5.7'

- 2720
- Above WT (Sample Analyzed)
- Below WT (Sample Analyzed)
- No Analysis

DRAWN BY PDP		1-14-99
CHECKED BY PJK		1-14-99
APPROVED BY		
CADFILE X:\PROJECTS\Dwg99\22812\XF		
NW BOAT STORAGE GEOPROBE AND MONITORING WELL LOCATION DIAGRAM MERCURY MARINE PLANT 33 NORTHWEST BOAT YARD OSHKOSH, WISCONSIN		
		
STS Consultants Ltd Consulting Engineers		
STS PROJECT NO. 22812XF		
STS PROJECT FILE		
SCALE 1"=50'		
FIGURE NO. 3		



LEGEND

- ⊕ NW BOAT STORAGE GEOPROBE LOCATION
- ⊕ MONITORING WELL
- × FOX RIVER ELEVATION MONITORING POINT
- DSP10 □ GASOLINE PUMP

(746.62) GROUNDWATER ELEVATION (11-98)

---747--- GROUNDWATER CONTOUR

DRAWN BY	PDP	1-14-99
CHECKED BY	PJK	3-4-99
APPROVED BY		
CADFILE X:\PROJECTS\DWG99\22812.XF		

**GROUNDWATER ELEVATIONS AND
 CROSS-SECTION INDEX
 MERCURY MARINE PLANT 33
 NORTHWEST BOAT YARD
 OSHKOSH, WISCONSIN**

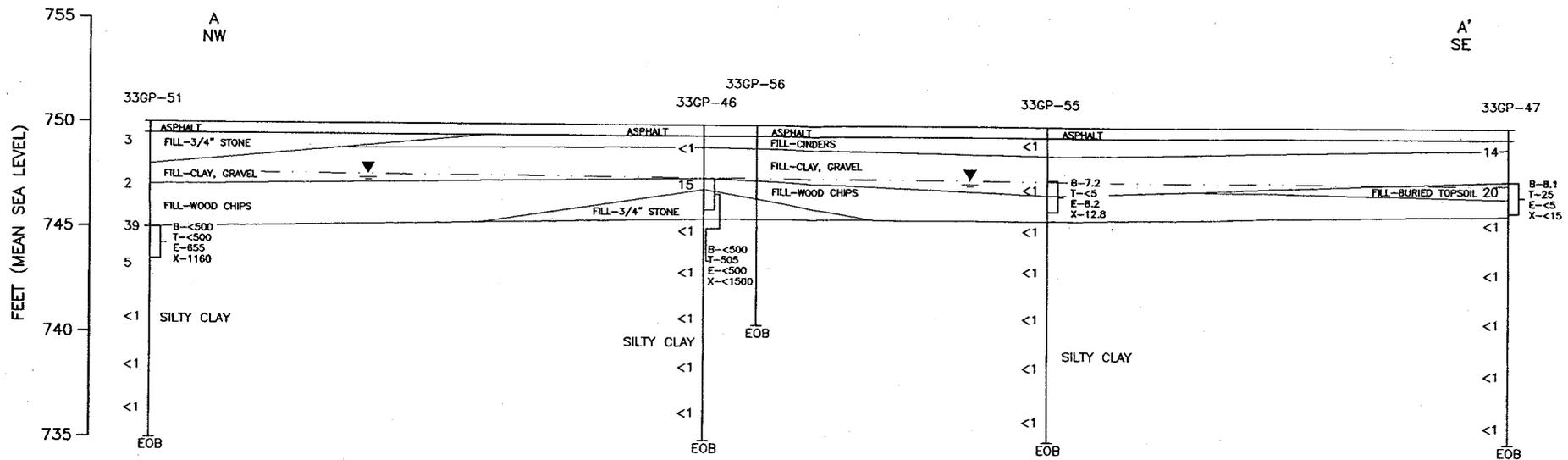


STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO.
22812XF
STS PROJECT FILE

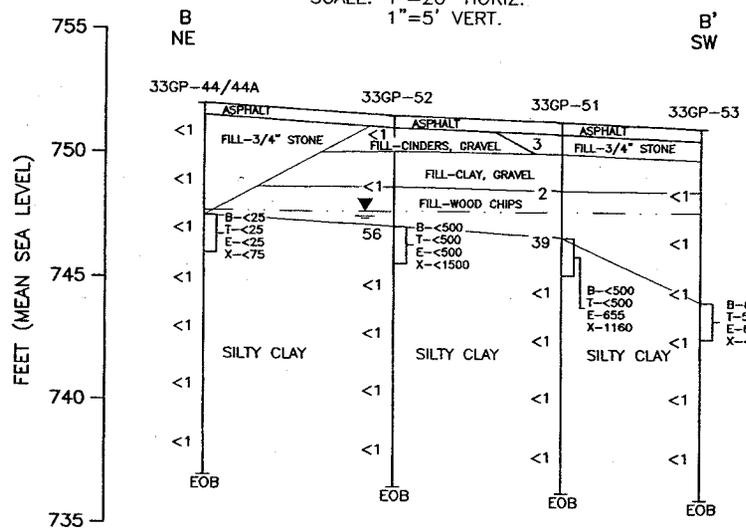
SCALE
1"=50'

FIGURE NO.
3



CROSS SECTION A-A'

SCALE: 1"=20' HORIZ.
1"=5' VERT.



CROSS SECTION B-B'

SCALE: 1"=20' HORIZ.
1"=5' VERT.

LEGEND

- 33GP-53 — GEOPROBE NO.
- ASPHALT
- GROUNDWATER ELEVATION (11/98)
- PID READING — 20
- SAMPLE INTERVAL
- EOB — END OF BORING
- B BENZENE (µg/kg)
- T TOLUENE (µg/kg)
- E ETHYLBENZENE (µg/kg)
- X XYLENES (µg/kg)

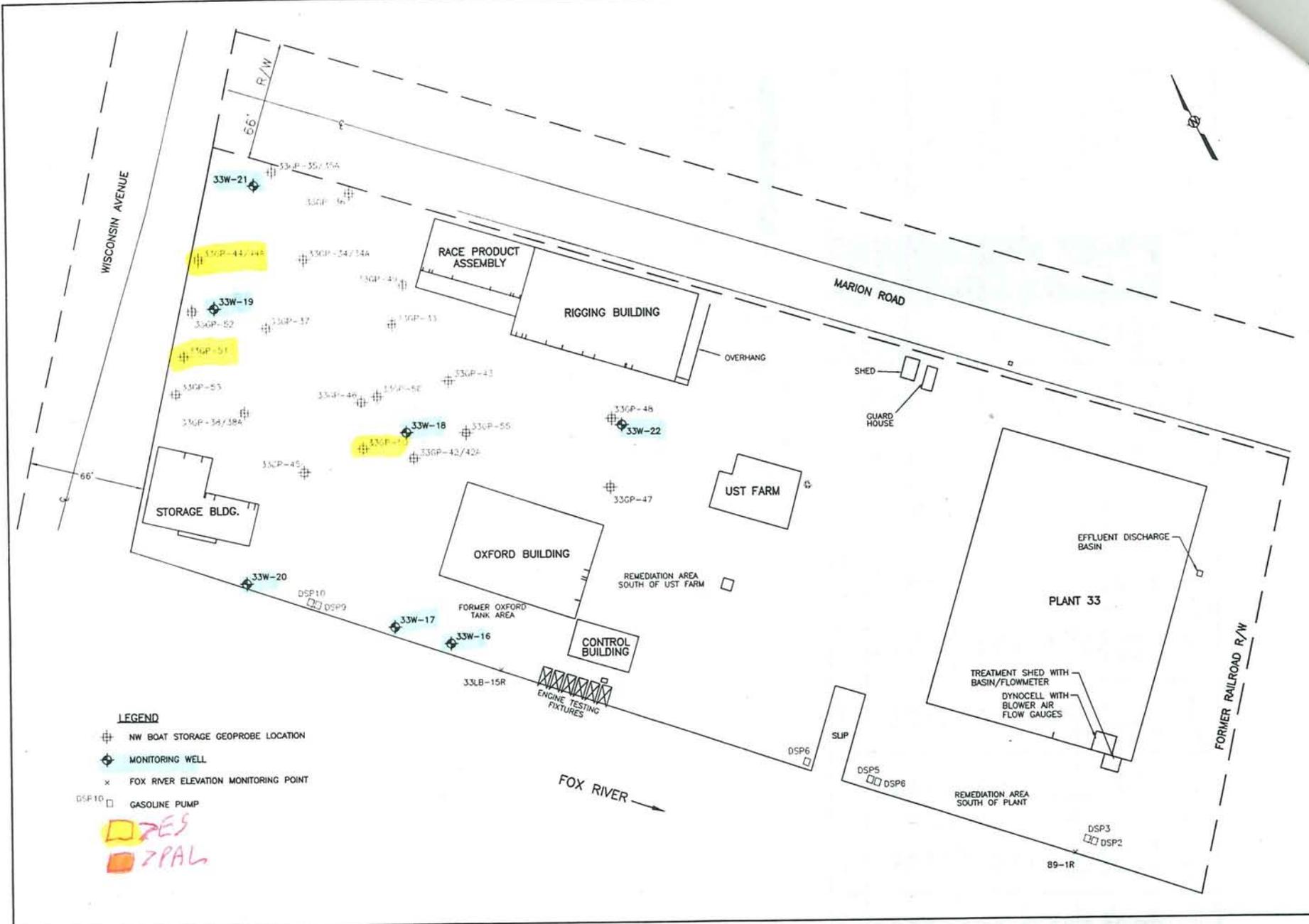
DRAWN BY	PDP	1-14-99
CHECKED BY	PJK	3-4-99
APPROVED BY		
CAD FILE	C:\PROJECTS\22812\FIGURE 4.DWG	

CROSS-SECTION
MERCURY MARINE PLANT 33
NORTHWEST BOAT YARD
OSHKOSH, WISCONSIN



STS PROJECT NO.
22812XF
STS PROJECT FILE

SCALE
AS SHOWN
FIGURE NO.



LEGEND

- ⊕ NW BOAT STORAGE GEOPROBE LOCATION
 - ⊕ MONITORING WELL
 - × FOX RIVER ELEVATION MONITORING POINT
 - DSP 10 □ GASOLINE PUMP
- Handwritten notes:*
□ ZES
□ ZPAL

DRAWN BY	PDP
CHECKED BY	PJK
APPROVED BY	
CAD FILE	X:\PROJECTS\DWG99\

NW BOAT STORAGE GEOPROBE AND
 MONITORING WELL LOCATION DIAGRAM
 MERCURY MARINE PLANT 33
 NORTHWEST BOAT YARD
 OSHKOSH, WISCONSIN



STS PROJECT NO.
 22812XF
 STS PROJECT FILE

SCALE
 1" = 50'
 FIGURE NO.
 4

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 33 Northwest Boat Yard
Oshkosh, Wisconsin
(All VOC Concentrations in ug/kg)

Boring No.	Sample No.	Depth (ft.)	PID reading (PID units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	Isopropylbenzene	Laboratory
33GP-33 (06/23/95)	1	0.5-1.5	<1	Fill: 3/4" crushed stone	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL METCO
		1.5-2.5	<1	Fill: gravel, clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	2	2.5-3.0	<1	Fill: gravel, clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
		3.0-4.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
		4.5-5.0	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	5.0-6.5	<1	Silty clay (ML-CL)	Moist	X	<3.5	<5	<4	<4	>15	>5	>5	<5	<5	>10	>5	
		6.5-8.5	<1	Silty clay (ML-CL)	Moist	<0.4	X	<4	<4	<4	>8	>4	>4	X	X	X	X	
	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		
	10.5-12.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		
	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		
33GP-34 (06/27/95)	1	0.5-2.0	<1	Fill: sand, gravel, bricks	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-34A* (06/27/95)	1	1.0-1.5	NR	Fill: sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL METCO
		1.5-3.0	NR	Fill: bricks	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	2	3.0-5.0	65	Fill: topsoil, clay, 3/4" crushed stone	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	5.0-7.0	157	Silty clay (ML-CL)	Moist	X	45.1 (2)	<500	<500	620	<1500	5540	5190	<500	<1000	1370	1280	
		7.0-9.0	12	Silty clay (ML-CL)	Moist	135	X	<4	1000	3200	4200	8200	5200	<4	X	X	X	
	4	9.0-11.0	15	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	11.0-13.0	15	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	13.0-15.0	2	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		
33GP-35 (06/27/95)	1	0.5-2.5	<1	Fill: clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	2	2.5-3.5	<1	Fill: topsoil, clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
		3.5-4.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	4	6.5-8.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	10.5-12.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		
33GP-35A (08/17/95)		0.5-4.5	NR	Blind drilled	NR	X	X	X	X	X	X	X	X	X	X	X	X	
	2	4.5-6.5	NR	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	

Exceeds H.T.

WT @ 2.9' - 5.7'
 > 720
 Above WT (Samples Analyzed)
 Below WT (Samples Analyzed)
 No Analysis

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 33 Northwest Boat Yard
Oshkosh, Wisconsin
(All VOC Concentrations in ug/kg)

Boring No.	Sample No.	Depth (ft.)	PID reading (PID units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	Isopropylbenzene	Laboratory
33GP-36 (06/27/95)	1	0.5-2.5	<1	Fill: clay, sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	2	2.5-4.5	>1	Fill: clay, gravel, topsoil	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	>1	Fill: clay, gravel, topsoil	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	4	6.5-8.5	>1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	10.5-12.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-37* (06/27/95)	1	0.5-1.5	1	Fill: clay, gravel, topsoil	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL METCO
	2	1.5-2.5	1	Fill: topsoil, wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	3.0-4.5	60	Fill: topsoil, wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	231	Fill: clay, topsoil	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	4	6.5-8.5	24	Silty clay (ML-CL)	Moist	247	X	<2500	4730	<2500	13,390	16,900	16,400	<2500	<2500	<5000	5460	
	5	8.5-10.5	12	Silty clay (ML-CL)	Moist	3300	X	3300	5400	3400	18,000	19,600	12,200	9500	X	6800	X	
	7	12.5-14.5	2	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-38* (06/27/95)	1	0.5-2.5	<1	Fill: sand, topsoil, gravel, clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL METCO
	2	2.5-4.5	NR	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-5.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	5.5-6.5	<1	Peat	Moist	<3.0	<3.5	<5	<5	10.4	15	<5	<5	<5	16	<10	<5	
	4	6.5-8.5	<1	Silty clay (ML-CL)	Moist	0.16	X	<4	<4	<4	8	<4	<4	<4	X	<4	X	
	5	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-38A (08/18/95)	2	0.5-4.5	NR	Blind drilled	NR	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	4.5-6.5	NR	Fill: wood chips, gravel	Moist	X	X	<5	<5	<5	<15	<5	<5	<5	29.1	<10	<5	
33GP-42* (06/28/95)	1	0.5-2.0	200	Fill: cinders, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	1	2.0-2.5	200	Fill: clay, gravel, tr. topsoil, wood chips	Moist	60.2 (1)	1100 (2)	<5000	<5000	<5000	<15000	<5000	<5000	<5000	<5000	<10000	<10000	
	2	2.5-4.5	120	Fill: clay, gravel, tr. topsoil, wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	10	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	4	6.5-8.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-42A (08/18/95)	1	0-0.5	NR	Asphalt	NR	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	0.5-2.5	NR	Fill: sand, gravel, trace wood chips	Moist	X	X	<500	<500	<500	<1500	3570	1280	<500	<500	<1000	<1000	

WT @ 2.9' - 5.7'

> 720

Above WT (samples Analyzed)

Below WT (samples Analyzed)

No Analysis

Proposed

Exceeded H.T.

Exceeded H.T.

Exceeded H.T.

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 33 Northwest Boat Yard
Oshkosh, Wisconsin
(All VOC Concentrations in ug/kg)

Boring No.	Sample No.	Depth (ft.)	PID reading (PID units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	Isopropylbenzene	Laboratory
33GP-43 (3) (06/28/95)	1	0.5-1.0	<1	Fill: sand, cinders, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	1.0-2.5	<1	Fill: clay, gravel, topsoil	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	2.5-4.5	<1	Fill: clay, gravel, topsoil, wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	4	4.5-6.5	<1	Silty clay (ML-CL)	Moist	<3.0	<3.5	<25	<25	<25	<25	<25	<25	<30	X	X	X	
	5	6.5-8.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	10.5-12.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-44* (06/28/95)	1	0.5-2.5	<1	Fill: 3/4" crushed stone	NR	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	2.5-4.5	<1	Fill: 3/4" crushed stone	NR	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	<1	Silty clay (ML-CL)	Moist	16.1	<3.5	<25	<25	<25	<75	<25	<25	<25	95.9	<50	<50	
	4	6.5-8.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	10.5-12.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-44A (08/18/95)	1	0-0.5	NR	Asphalt	NR	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	0.5-4.5	NR	Blind drilled	NR	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	NR	Fill: sand, gravel	Moist-wet	X	X	<50	<50	<50	<150	<50	<50	<50	<50	<100	<100	
33GP-45 (06/29/95)	1	0.5-2.5	<1	Fill: 3/4" crushed stone, cinders, clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	2.5-4.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	<1	Fill: wood chips	Wet	4.2	3.9	<5	<5	16.1	<15	<5	<5	<5	24.2	<10	<10	
	4	6.5-8.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	5	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	10.5-12.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-46 (06/29/95)	1	0.5-1.0	<1	Fill: cinders	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	1.0-2.5	<1	Fill: clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	2.5-3.0	15	Fill: wood chips	Moist	53.5 (1)	189 (2)	<500	<500	505	<1500	<500	<1000	<500	<1000	<500	<1000	
	4	3.0-4.5	15	Fill: 3/4" crushed stone, clay, gravel	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	5	4.5-6.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	6.5-8.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	

Exceeds H.T.

WT @ 2.9' - 5.9'
 > 720
 Above WT (samples Analyzed)
 Below WT (samples Analyzed)
 No Analysis

Proposed

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 33 Northwest Boat Yard
Oshkosh, Wisconsin
(All VOC Concentrations in ug/kg)

Boring No.	Sample No.	Depth (ft.)	PID reading (PID units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	Isopropylbenzene	Laboratory
33GP-47 (06/29/95)	1	0.5-1.0	14	Fill: cinders	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	1.0-2.5	14	Fill: clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	2.5-3.5	20	Fill: topsoil	Moist	5.4	<3.5	8.1	<5	25	<15	<5	<5	<5	45.6	<10	<5	
	4	3.5-4.5	20	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	5	4.5-6.5	<1	Silty clay (CL and ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	6.5-8.5	<1	Silty clay (CL and ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	8.5-10.5	<1	Silty clay (CL and ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-48 (06/29/95)	1	0.5-2.5	<1	Fill: cinders, brick, clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	2.5-4.5	<1	Fill: topsoil, wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	<1	Silty clay (ML-CL)	Moist	<3.0	<3.5	<5	<5	7.7	<15	<5	<5	<5	20.6	<10	<5	
	4	6.5-8.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	10.5-12.5	<1	Silty clay (ML-CL)	Moist	<5	X	X	X	X	X	X	X	X	X	X	X	
	7	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-49 (08/17/95)	1	0.5-2.5	<1	Fill: clay, crushed stone, topsoil	Moist	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	2.5-4.5	2	Black silty clay (ML-CL)	Moist-Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	4.5-6.5	<1	Black silty clay (ML-CL)	Moist	<3.0	<3.5	<5	<5	<5	<15	<5	<5	<5	14.8	<10	<5	
	4	6.5-8.5	<1	Reddish brown silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	8.5-10.5	<1	Reddish brown silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	10.5-12.5	2	Reddish brown silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	12.5-14.5	<1	Reddish brown silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-50 (08/17/95)	2	0.5-1.0	91	Fill: cinders	Dry	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	3	1.0-2.5	91	Fill: clay, gravel	Dry	X	X	X	X	X	X	X	X	X	X	X	X	
	4	2.5-4.5	178	Fill: wood chips, sawdust	Moist-Wet	2093 (1)	19,200	<1000	<1000	<1000	<3000	12,100	2960	<1000	<1000	<2000	1980	
	5	4.5-6.5	59	Fill: Clay, trace wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	6.5-8.5	89	Silty clay (ML-CL)	Moist-Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	7	8.5-10.5	49	Silty clay (ML-CL)	Moist-Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	8	10.5-12.5	NR	Silty clay (ML-CL)	Moist-Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	8	12.5-14.5	NR	Silty clay (ML-CL)	Moist-Wet	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-51 (08/17/95)	1	0.5-2.0	3	Fill: 3/4" crush stone	Dry	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	2.0-2.5	3	Fill: clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	2.5-3.0	2	Fill: clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	4	3.0-4.5	2	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	5	4.5-5.0	39	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	6	5.0-6.5	39	Silty clay (ML-CL)	Moist	448 (1)	<3.5	<500	655	<500	1160	2850	815	<500	<500	<1000	<500	
	7	6.5-8.5	5	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
7	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		
7	10.5-12.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		
7	12.5-14.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X		

WT@ 2.9' - 5.7'

☐ > 720

☐ Above WT (samples Analyzed)

☐ Below WT (samples Analyzed)

☐ No Analysis

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 33 Northwest Boat Yard
Oshkosh, Wisconsin
(All VOC Concentrations in ug/kg)

Boring No.	Sample No.	Depth (ft.)	PID reading (PID units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	Isopropylbenzene	Laboratory
33GP-52 (08/17/95)	1	0.5-2.0	<1	Fill: cinders, gravel	Dry	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	2.0-2.5	<1	Fill: clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	3	2.5-3.0	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	4	3.0-4.5	<1	Fill: clay, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	4.5-6.5	56	Silty clay (ML-CL)	Moist	8.3 (1)	5.1	<500	<500	<500	>1500	1730	595	>500	>500	<1000	<500	
	6	6.5-8.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	7	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-53 (08/17/95)	1	0.5-2.5	NR	Fill: 3/4" crush gravel	Dry	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	2.5-3.0	<1	Fill: clay	Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	3	3.0-4.5	<1	Fill: wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	4	4.5-6.5	<1	Fill: wood chips, trace sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	6.5-7.0	<1	Fill: wood chips, trace sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	6	7.0-8.5	<1	Silty clay (ML-CL)	Moist	<3.0	41.9 (2)	6.5	6.2	5.5	<15	<5	5.1	<5	48.4	<10	<5	
	7	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
33GP-55 (08/18/95)	1	0.5-1.5	<1	Fill: sand, cinders	Dry	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	2	1.5-2.5	<1	Fill: clay, gravel	Dry	X	X	X	X	X	X	X	X	X	X	X	X	
	3	2.5-3.0	<1	Fill: gravel	Dry	5.9 (1)	6.8	7.2	8.2	<5	12.8	10.4	<5	<5	39.3	18.4	<5	
	4	3.0-4.5	<1	Fill: wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
	5	4.5-6.5	<1	Silty clay (ML-CL)	Moist-Wet	X	X	X	X	X	X	X	X	X	X	X	X	
	6	6.5-8.5	<1	Silty clay (ML-CL)	Dry	X	X	X	X	X	X	X	X	X	X	X	X	
	7	8.5-10.5	<1	Silty clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	
		10.5-12.5	<1	Silty clay (ML-CL)	Dry-Wet	X	X	X	X	X	X	X	X	X	X	X	X	
		12.5-14.5	<1	Silty clay (ML-CL)	Dry-Wet	X	X	X	X	X	X	X	X	X	X	X	X	

WT @ 2.9'-5.7'

☐ > 720

☐ Above WT (Samples Analyzed)

☐ Below WT (Samples Analyzed)

☐ No Analysis

↑ Proposed

Table 3
Groundwater Elevation Summary
Mercury Marine Plant 33 Northwest Boat Yard
Oshkosh, Wisconsin

Monitoring Well	Top of Casing Elevation	7/22/97		10/27/97		2/3/98		4/28/98		11/23/98	
		Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.	Depth	Elev.
33W-16	749.99	3.10	746.89	3.21	746.78	4.00	745.99	3.34	746.65	3.33	746.66
33W-17	749.79	2.90	746.89	3.11	746.68	3.80	745.99	3.27	746.52	3.17	746.62
33W-18	751.27	3.61	747.66	3.81	747.46	5.06	746.21	4.71	746.56	3.90	747.37
33W-19	751.83	not recorded		5.48	746.35	5.67	746.16	4.10	747.73	4.15	747.68
33W-20	749.89	3.02	746.87	3.14	746.75	3.92	745.97	3.30	746.59	3.27	746.62
33W-21	752.15	not recorded		5.10	747.05	5.24	746.91	4.61	747.54	4.80	747.35
33W-22	751.36	4.50	746.86	3.81	747.55	4.34	747.02	3.27	748.09	3.85	747.51