State of Wisconsin
Department of Natural Resources
P.O. Box 7921, Madison, WI 53707-7921

GIS REGISTRY (Cover Sheet)
Form 4400-280 (R 6/13)

Source Property Information

CLOSURE DATE: 10/08/2013

BRRTS #: **02-52-555517**

FID #: 252011870

ACTIVITY NAME: WISCONSIN ALUMINUM RECYCLING LLC

DATCP #:

PROPERTY ADDRESS: 1349 23RD ST

PECFA#:

MUNICIPALITY: MOUNT PLEASANT

PARCEL ID #: 151032321002000

***WTM COORDINATES:**

X: **700562** Y: **249914**

** 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)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

☐ Groundwater Contamination > ES *(236)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*

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

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property Information, Form 4400-246")*

Site Specific Obligations:

☐ 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)*

- ☒ Direct Contact
- ☒ Soil to GW Pathway

☐ 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*

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
9531 Rayne Rd
Sturtevant WI 53177

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

October 8, 2013

Beck Aluminum Racine
Gary Merritt
1349 23rd St.
Mount Pleasant, WI 53403

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations
Beck Aluminum Racine, 1349 23rd St., Mount Pleasant, WI
WDNR BRRTS Activity #: 02-52-555517
FID #: 252011870

Dear Mr. Merritt:

The Department of Natural Resources (DNR) considers Beck Aluminum Racine closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attachments listed at the end of this letter to anyone who purchases this property from you

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code. The Southeast Region Closure Committee reviewed the request for closure on July 15, 2013. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on July 16, 2013, and documentation that the conditions in that letter were met was received on October 2, 2013.

The property is currently in use as a secondary aluminum processing facility. From 1899 – 1973 the property was used as an iron foundry for malleable, gray and ductile iron casting. The conditions of closure and continuing obligations required were based on the property being used for industrial purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the DNR must approve any changes to this barrier.

- If a structural impediment that obstructed a complete site investigation or cleanup is removed or modified, additional environmental work must be completed.
- Before the land use may be changed from industrial to non-industrial, additional environmental work must be completed.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and of any continuing obligations. DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/topic/wells/documents/3300254.pdf or at the web address listed below for the GIS Registry.

All site information is also on file at the Southeast Region Regional DNR office, at 9531 Rayne Rd., Sturtevant, WI. This letter and information that was submitted with your closure request application, including the maintenance plan and figure(s), will be included on the GIS Registry in a PDF attachment. To review the site on the GIS Registry web page, visit the RR Sites Map page at http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2.

Prohibited Activities

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where pavement, building and other impermeable cover is required, as shown on the **attached map**, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier;
- replacement with another barrier;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;
- changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you, and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plans are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wis. Stats. to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications in accordance with the following requirements to Remediation and Redevelopment Environmental Program Associate, 2300 N. Dr. Martin Luther King Jr. Dr., Milwaukee, WI 53212.

Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains as indicated on the **attached map**. If soil in the specific locations described above is excavated in the future, the property owner or right-of-way holder at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner or right-of-way holder 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. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property and right-of-way holders 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.

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

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats.)

The pavement, building or other impervious cover that exists in the location shown on the **attached map** shall be maintained in compliance with the **attached maintenance plan** in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health.

In this case, the building is also considered a structural impediment, and additional investigation and response requirements apply as described in the section titled Structural Impediments.

A cover or barrier for industrial land uses, or certain types of commercial land uses may not be protective if use of the property were to change such that a residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. Before using the property for such purposes, you must notify the DNR to determine if additional response actions are warranted.

A request may be made to modify or replace a cover or barrier. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation.

The **attached maintenance plan and inspection log** are to be kept up-to-date and on-site. Submit the inspection log to the DNR only upon request.

Structural Impediments (s. 292.12 (2) (b), Wis. Stats.)

The remaining buildings, as shown on the **attached map**, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR before removal and conduct an investigation of

the degree and extent of Lead, Arsenic, Aluminum, Cadmium, Copper and Nickel contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates that for Arsenic at MW-2, MW-3 and MW-5 contaminant levels exceed the NR 140 preventive action limit (PAL) but are below the enforcement standard (ES). The DNR may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28 (2) (b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application. [Note: at this site the point of standards application is all points where groundwater is monitored.]
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the DNR believes that these criteria have been or will be met. The Arsenic exceedence and the other RCRA Metals identified in the groundwater can be attributed to natural soil conditions as well as historic use of the property. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the PAL is granted for Arsenic at MW-2, MW-3 and MW-5. Please keep this letter, because it serves as your exemption.

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.

The DNR 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 Shanna L. Laube-Anderson at 262-884-2341.

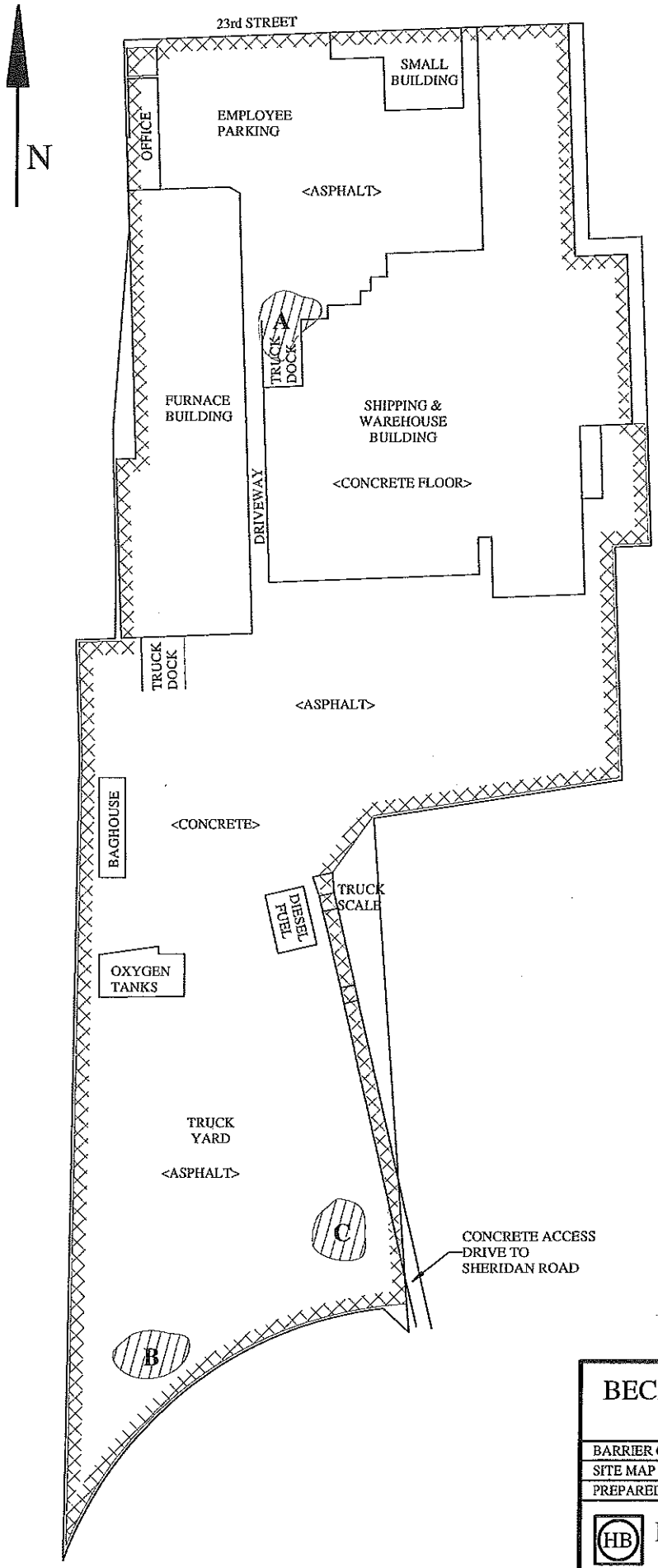
Sincerely,

Frances M. Koonce

Frances M. Koonce, Team Supervisor
Southeast Region Remediation & Redevelopment Program

Cc: HB Engineering, Inc., Ike Habib, 9841 York-Alpha Dr., Unit D, North Royalton, OH 44133
SER Files

Attachments:
Cap Maintenance Plan
Residual Soil and Groundwater Maps



AREA	CONTAMINANT (MEDIA)	DEPTH, FT
A	ARSENIC (GW) BARIUM (GW) SEC-BUTYLBENZENE (GW) ISOPROPYLBENZENE (GW)	4 -8
B	LEAD (S) ARSENIC (GW)	6-10
C	METHYL TERT-BUTYL ETHER (GW)	6-8

S - SOIL GW - GROUNDWATER

NOTE: BACKGROUND ARSENIC LEVELS IN SOIL ARE ABOVE RCL IN THE SOIL STANDARDS THROUGHOUT THE PROPERTY.

BECK ALUMINUM RACINE MOUNT PLEASANT, WISCONSIN	DRAWING MP-1
BARRIER CAP MAINTENANCE PLAN	SCALE: 1" = 120'
SITE MAP	DATE: 10/05/2012
PREPARED BY: M. MARSH	
HB ENGINEERING, INC. NORTH ROYALTON, OHIO	THIS DRAWING IS THE PROPERTY OF HB ENGINEERING, INC. AND IT SHALL NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED WRITTEN CONSENT OF HB ENGINEERING, INC.
FILE:	JOB NO.

Beck Aluminum Racine

Barrier Cap Maintenance Plan
October 2012

Property: 1349 23rd Street
Mount Pleasant, Wisconsin
Parcel: 21-002-000

FID: 252011870
BRRTS: 02-52-555517

Introduction

This document is the maintenance plan for the barrier cap at the above referenced property in accordance with the requirements of Wisconsin Administrative Code section NR 724.13(2). The maintenance activities relate to the existing barrier cap consisting of pavement and buildings occupying the area over the residual soil contamination and groundwater contamination.

More specific information about this property may be found in:

- The case file in the WDNR Southeast region office in Milwaukee, WI
- WDNR's BRRTS on the web: http://dnr.wi.gov/botw/SetUpBasicSearchForm.do
- GIS Registry PDF file for further information: http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2
- The WDNR project manager for Racine County

Description of Contamination

The site has residual soil contamination and groundwater contamination at locations and depths summarized in Table 1. The presence of residual contamination was discovered during Phase II Environmental Site Assessment subsurface soil investigation activities and follow up groundwater monitoring requested by the WDNR. The location the barrier cap and the residual contamination is shown on Figure MP-1

Table 1. Residual Contaminants in Underlying Soil and Groundwater

Contaminant	Media	Location(s)	Depth
Arsenic	Soil	Background levels above RCL in soil standard thoughout the property	2 to 12 feet
Arsenic	Groundwater	North of loading docks and southwest corner of truck yard	4 to 10 feet
Barium	Groundwater	North of loading docks	4 to 8 feet
Lead	Soil	Southwest corner of truck yard	6 to 8 feet
Methyl tert-butyl ether	Groundwater	Southeast corner of truck yard	4 to 8 feet
Sec-butylbenzene	Groundwater	North of loading docks	4 to 8 feet
Isopropylbenzene	Groundwater	North of loading docks	4 to 8 feet

Description of the Barrier Cap to be Maintained

The entire property is covered with the barrier cap as shown on Figure MP-1. The barrier cap consists of asphalt pavement (employee parking, roadways, and truck yard) and buildings with concrete slab floors (furnace building and shipping/warehouse building).

The asphalt pavement consists of 4-inches of asphalt over a base course with minimum thickness of 6 inches. The thickness of these layers in the existing asphalt pavement were confirmed in the 2009 soil boring work. The asphalt pavement is designed and maintained for truck traffic and meets the design standards of the WI DOT.

The existing concrete slab building floors are a minimum of 8-inches thick over a gravel base. The concrete floors are designed and maintained for material handling equipment traffic and the storage of raw materials and finished product.

Purpose of the Barrier Cap

The barrier cap over the residual soil contamination and groundwater serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. This barrier cap also acts as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate groundwater standards in Wisconsin Administration Code chapter NR140. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The barrier cap overlying the residual contamination as depicted in Figure MP-1 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks, and other potential problems that can cause additional infiltration into or exposure to the underlying soils. The inspection will be performed by the Beck Aluminum Racine or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included in Exhibit B, Barrier Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at Beck Aluminum Racine and available for submittal or inspection by WDNR representatives.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include sealing cracks with appropriate sealant, patching and filling holes, or larger resurfacing and/or replacement of the pavement. In the event that necessary

direct contact exposure hazard and provide them with appropriate personal protective equipment. The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored, and disposed of by the owner in accordance with applicable local, state, and federal laws.

Construction Activities

In the event that the asphalt barrier cap or a building is removed or replaced, the replacement barrier cap must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines outlined in this maintenance plan, unless indicated otherwise by the WDNR or its successor. Any soil that is excavated from the site during construction activities to remove or replace the barrier cap must be sampled prior to disposal to ascertain if contamination remains. The soil must be treated, stored, and disposed of by the owner in accordance with applicable local, state, and federal laws.

Plan Availability

Beck Aluminum Racine, in order to maintain the integrity of the barrier cap, will maintain a copy of this maintenance plan on-site and make it available to all interested parties (on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of WDNR Prior to Actions Affecting the Barrier Cap

The following activities are prohibited on any portion of the property where asphalt pavement or buildings that comprise the barrier cap as shown on Figure MP-1, unless prior written approval has been obtained from the WDNR:

1. Removal of the existing barrier;
2. Replacement with another barrier;
3. Excavating or grading of the land surface;
4. Filling on capped or paved areas;
5. Plowing for agricultural cultivation; or
6. Construction or placement of a building or structure.

Amendment or Withdrawal of Maintenance Plan

The maintenance plan can be amended or withdrawn by the property owner and its successor with written approval of WDNR.

Signature of Owner and Operator

Site Owner and Operator: Beck Aluminum Racine
1349 23rd Street
Mount Pleasant, WI
(262) 637-9858
Gary Merritt, Plant Manager

Signature

3/17/15
Date

Other Contact Information

Property Owner: Wisconsin Aluminum Recycling
1349 23rd Street
Mount Pleasant, WI
(262) 637-9858
Gary Merritt, Plant Manager

Consultant: HB Engineering, Inc.
9841 York Alpha Dr., Unit D
North Royalton, OH 44133
(440) 230-1500
Michael Marsh

WDNR Project Manager: Shanna Laube-Anderson
9531 Rayne Road
Sturtevant, WI 53177
(262) 884-2341

Barrier Cap Inspection and Maintenance Log

Inspection Date:	Inspector:

Barrier Cap Description	Condition of Cap (circle one)		Maintenance Recommendations
North Parking Lot *{asphalt pavement}*	Are there cracks or holes in pavement?	Yes No	
	Is there surface deterioration?	Yes No	
	Are there settled areas?	Yes No	
South Truck Yard *{asphalt pavement}*	Are there cracks or holes in pavement?	Yes No	
	Is there surface deterioration?	Yes No	
	Are there settled areas?	Yes No	
Roadways, equipment pads *{asphalt pavement and concrete pads}*	Are there cracks or holes in pavement?	Yes No	
	Is there surface deterioration?	Yes No	
	Are there settled areas?	Yes No	
Furnace Building *{concrete floor}*	Are there cracks or holes?	Yes No	
	Is there surface deterioration?	Yes No	
Shipping/Warehouse Building *{concrete floor}*	Are there cracks or holes?	Yes No	
	Is there surface deterioration?	Yes No	
	Is the loading dock sump pump operating?	Yes No	

Maintenance Activities

Maintenance Date	Location of Maintenance Activity	Description of Maintenance Activity Performed

Inspect barrier cap annually in spring after all snow and ice is gone.
Keep completed inspection log with Barrier Cap Maintenance Plan

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
9531 Rayne Rd
Sturtevant WI 53177

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN
DEPT. OF NATURAL RESOURCES

July 16, 2013

Beck Aluminum Racine
Gary Merritt
1349 23rd St.
Mount Pleasant, WI 53403

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Beck Aluminum Racine, 1349 23rd St., Mount Pleasant, Wisconsin
WDNR BRRTS Activity # 02-52-555517

Dear Mr. Merritt:

On July 15, 2013, the Department of Natural Resources reviewed your request for closure of the case described above. The Department of Natural Resources 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 Department of Natural Resources has determined that the RCRA Metals, PAH's and VOC contamination on the site from the operations as the facility over the years 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 at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Shanna Laube-Anderson on Form 3300-005, found at http://dnr.wi.gov/topic/DrinkingWater/documents/forms/3300005.pdf 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 conditions above 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's Remediation and Redevelopment GIS Registry. 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 the RR Sites Map page at: http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2.

CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations. You will be required to maintain the cap as indicated in the submitted Cap

Maintenance Plan in the Closure Request. In the final closure approval, you will also be required to conduct annual inspections. Documentation of the inspection will be required to be kept on site.

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 262-884-2341.

Sincerely,

Shanna L. Laube-Anderson
Hydrogeologist
Remediation & Redevelopment Program

Enclosure

cc: HB Engineering, Inc., Ike Habib, 9841 York-Alpha Dr., Unit D, North Royalton, OH 44133

224
222
56
232
48

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided. Any section of the form not relevant to the case closure request must be fully filled out or explained on a separate page and attached to the relevant section of this form. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Site Information

BRRTS No. 02-52-555517	Parcel ID No. 51-151-03-23-21-002-000		
BRRTS Activity (Site) Name Beck Aluminum Racine	WTM Coordinates X 700562	Y 249914	
Street Address 1349 23rd Street	City Mount Pleasant	State WI	ZIP Code 53403
Responsible Party (RP) Name Gary Merritt			
Company Name Beck Aluminum Racine			
Street Address 1349 23rd Street	City Mount Pleasant	State WI	ZIP Code 53403
Phone Number (262) 637-9858	Email gmerritt@beckalum.com		

☒ Check here if the RP is the owner of the source property.

Environmental Consultant Name Ike Habib			
Consulting Firm HB Engineering, Inc.			
Street Address 9841 York-Alpha Drive Unit D	City North Royalton	State OH	ZIP Code 44133
Phone Number (440) 230-1500	Email ihabib@hbengineers.com		
Acres Ready For Use 7.5	Voluntary Party Liability Exemption Site? ○ Yes ◉ No		

Fees and Mailing of Closure Request

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. **Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR regional Environmental Program Associate at **http://dnr.wi.gov/topic/Brownfields/Contact.html**. Check all fees that apply:

   ☒ $750 Closure Fee

   ☒ $200 GIS Registry Fee for Soil

   ☐ $250 GIS Registry Fee for Groundwater Lost Well(s)

   Total Amount of Payment $ $950.00

2. **Send one paper copy and one e-copy on compact disk of the entire closure package** to the Regional Project Manager assigned to your site. Submit as *unbound, separate documents* in the order and with the titles prescribed by this form. For electronic document submittal requirements, see **http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.**

Site Summary

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

A. **Site Location**: Describe the physical location of the site, both generally and specific to its immediate surroundings.
Beck Aluminum Racine is located at 1349 23rd Street, Mount Pleasant, WI. The property is surrounded by industrial facilities with railroad tracks running along the west side. The property is approximately 7.5 acres with two main buildings, the furnace building and the warehouse building. All industrial activities occur indoors or on paved surfaces.

B. **Prior and current site usage**: Specifically describe the current and historic occupancy and types of use.
Beck Aluminum Racine assumed responsibility of operations at this location in July 2010 from Wisconsin Aluminum Recycling and has continued to use the property for secondary aluminum alloy production. From the years 1899 - 1973 the properties industrial activities included an iron foundry for malleable, gray and ductile iron casting and as a secondary aluminum processing facility from 1976 to present day.

C. Describe how and when site contamination was discovered.
A subsurface investigation consisting of soil borings and temporary wells during the facility's Phase II Environmental Site Assessment identified soil samples with levels of arsenic and lead above the NR 720 generic residual contamination levels (RCL) and groundwater samples with levels of arsenic, nickel, and lead at or above the NR 140 Groundwater Quality preventive action limit (PAL).

D. Describe the type(s) and source(s) or suspected source(s) of contamination.
There have been no known spills or discharges that would result in the level of contaminants observed. Therefore, the contamination is believed to be residual in nature and not from a concentrated source with plume. Following the Wisconsin DNR recommendations, the following items were addressed in the site investigation: installation of groundwater monitoring wells and groundwater monitoring for metals, VOCs, and PAHs.

E. Other relevant site description information (or enter Not Applicable).
N/A

F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases.
04-52-527896 Met-AL Corp. (Closed case)

G. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to this site, and those impacted by contamination from this site.
Siam Transportation - 03-52-003799; Ryder Truck Rental - 03-52-098217; Penske Truck - 03-52-003784; Northwest Properties - 03-52-152689; Advance Mechanical Contractors - 03-52-097578; Wilson's Fish Market - 03-52-554656; MJ Petroleum Gas Station - 03-52-004177; Las Palmas Restaurant - 03-52-554541; Fox Auto Salvage - 03-52-554541.
None of the adjacent properties have been impacted by the activities of Beck Aluminum Racine.

H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
Industrial - Manufacturing (M-1)
See attachment G.3 for zoning maps.

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
A USDA Soil Map of the site lists the soil type as loamy land. See attachment B.4.c

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
The top 4 feet contained various fill soils, gravel and pieces of asphalt followed by a layer of black sand. Native soils were typically reached at levels between 4-8 feet.

iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation.
Bedrock was not encountered during the site investigation.

iv. Describe the nature and locations of current surface cover(s) across the site (e.g. natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).
The entire property and buildings are covered with an impervious asphalt barrier cap and buildings.

B. Groundwater

i. **Discuss depth to groundwater and piezometric elevations**. Describe and explain depth variations, and whether free product affects measurement or water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Groundwater was encountered at depths of 4 to 10 feet. A water surface indicator with measuring tape was used to measure the depth to groundwater in the monitoring wells. The soil layer encountered along the water table was gray silty clay.
No evidence of free product was observed.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

At the north end of the property, the groundwater was found to be flowing northwest. The south end of the property the groundwater flows toward the southwest. As shown in attachment B.3.c, the groundwater flow direction varied between sampling events.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

There have been no known spills and the site is covered by an impermeable layer.

iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.

There are no known wells within 1200 feet of the site.

3. Site Investigation Summary

A. General

i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

The site investigation was conducted to follow up on residual contamination found during a Phase II Environmental Site Assessment. Following the disclosure of the results to the Wisconsin DNR, further site investigation including the installation of groundwater monitoring wells was needed to properly evaluate extent of contamination from industrial activities. The previous environmental site assessment work determined that the underlying soil has residual contamination and that there was no known spill, discharge, or localized source for the contaminants found. Considering that the site is mostly covered with an impermeable asphalt barrier cap, the primary environmental pathway of concern is the groundwater. The groundwater monitoring was performed to evaluate that the barrier cap and that natural attenuation would be sufficient to protect the groundwater from infiltration of contaminants and to minimize any harmful effects from the residual contamination. A groundwater sampling plan was implemented to identify chemicals of concern, determined the degree of contamination, evaluated the groundwater flow direction, and determined pollutant levels were decreasing.

Previous Submittals:
June 20, 2010 Initial Notification
June 20, 2010 Environmental Site Assessment Phase I Report, August 2009
June 20, 2010 Environmental Site Assessment Phase II Report, December 2009
November 3, 2010 E-mail notification of groundwater monitoring well construction activities
January 5, 2011 Soil & Groundwater Monitoring Results and Additional Site Investigation Work
July 22, 2011 2nd Groundwater Monitoring Results
February 8, 2012 3rd Groundwater Monitoring Results
June 2012 Site Investigation Report
October 9, 2012 Case Closure Request (Form 4400-202) & GIS Registry (Form 4400-245)
*All previous submittals are included on the CD-ROM with the E-Copy.

ii. Identify whether contamination extends beyond the source property boundary, describe the off-site media (e.g., soil, groundwater, etc.) impacted, and the vertical and horizontal extent of off-site impacts.

Neither groundwater nor soil samples were collected outside the boundary of the facility's property lines.

iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

No structural impediments prevented a site investigation of the property.

B. Soil

i. Describe degree and extent of **soil contamination** at and from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways.

The subsurface soil investigation of the soil under the existing impervious cover consisted of soil borings through the existing surface. The analytical results presented in Attachment A.2 shows the widespread presence of arsenic throughout the site and all soil depths. Lead was detected above the direct contact RCL at a depth of 6 to 8 feet in soil boring P-1. Nickel was detected above the direct contact RCL at a depth of 2-4 feet in soil boring P-6. Aluminum was detected throughout the site and at all soil depths at levels that are less than the direct contact RCL. The soil analysis showed the presence of aluminum, arsenic, cadmium, copper, lead, and nickel above the soil-to-groundwater RCL throughout the site. The subsurface investigation did not reveal any fill zones on the property and native soils were found at depths of 3-8 feet. There are no known spills or current industrial activities that would be suspected sources of these contaminants. The impervious cover has been in place for many years and aluminum storage and processing operations are mostly indoors.

ii. Describe the level and types of **soil contaminants** found in the upper four feet of the soil column.

The soil analysis for the upper four feet showed the presence of small amounts non-native materials such as gravel, metallic slag, and black silty material within the silty clay and silty fine sand type soils typical to the area. The soil analysis shows the widespread presence of arsenic and aluminum. Arsenic is present above the direct contact RCL at all boring locations. Nickel is present above the direct contact RCL at a depth of 2-4 feet in soil boring P-6.

All soil boring locations were covered with 4-inch thick asphalt cover on top of a 10 to 14-inch thick layer of limestone base course. The asphalt pavement is in good condition and acceptable construction for the industrial activities at the site.

iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site: for example, a Residual Contaminant Level (RCL) , a Site-Specific Residual Contaminant Level (SSRCL), or a Performance Standard as determined under ss NR 720.09, 720.11 and 720.19, Wis. Adm. Code. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.

The purpose of the site investigation was to evaluate the existing impervious barrier cap that covers the entire property. The impervious barrier cap prevents any direct contact with any residual contamination of the soil and protects the groundwater from the infiltration of contaminants.

C. Groundwater

i. Describe degree and extent of groundwater contamination at or from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.

The most recent groundwater analysis shows the presence of arsenic, barium, cadmium, copper, nickel, selenium, sec-butylbenzene, isopropylbenzene, and methyl tert-butyl ether. The occurrence of contaminants above the PALs are: MW #2 has 2.6 ug/L arsenic, 430 ug/L barium; MW #3 has 1.2 ug/L arsenic; MW #6 has 13 ug/L methyl tert-butyl ether. Arsenic is present in the underlying soil and has been detected in various monitoring wells throughout the site investigation. Barium has been detected above the PAL only at MW #2 and the level appears to be decreasing over time. Methyl tert-butyl ether has been detected only in MW #6 and its level appears to be stable or decreasing. There are no known sources of the organic compounds found in the groundwater and the levels of these organic compounds appear to be stable or decreasing.

There are no known groundwater supply wells on or within 1,200 feet of the site.

ii. Describe the presence of free product at the site, including the thickness, depth, and locations.

No evidence of free product was observed during site investigation.

D. Vapor

i. Describe how the vapor migration pathway was assessed, including locations where vapor or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

The vapor intrusion pathway was evaluated following the US EPA's "OSWER" Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance). The property is covered by an impervious barrier cap and industrial buildings. All industrial buildings have concrete slab floors, no subgrade work areas and are well ventilated. The groundwater results are well within the target concentrations in the guidance document.

ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).

The DNR action levels were not reached or exceeded. Subsurface groundwater concentrations Cumene 8.4 ug/L, MTBE 12,000 ug/L, sec-ButylBenzene 250 ug/L.

E. Surface Water and Sediment

i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

There are no surface waters on the property of Beck Aluminum Racine or on the properties of the adjacent facilities.

ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

The DNR action levels were not reached or exceeded.

4. Remedial Actions Implemented and Residual Levels at Closure

A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

The site investigation evaluated using an impervious asphalt barrier cap and natural attenuation to minimize any harmful effects to the air, lands or waters of the state. The barrier cap and building cover the entire property and prevent any direct contact with residual contamination of the soil.

B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

The impervious asphalt covering was extended to the south property fence line in November of 2011.

C. Describe the *active* remedial actions taken at the site, including: type of remedial system(s) used for each media impacted; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

No current remedial actions have been implemented due to the impervious asphalt barrier cap that encompasses the entire property.

D. Provide a discussion of the nature, degree and extent of residual contamination that will remain at the site or on off-site affected properties after case closure.

The site investigation evaluated using an impervious asphalt barrier cap and natural attenuation to minimize any harmful effects to the air, lands or waters of the state. The barrier cap and building cover the entire property and prevent any direct contact with residual contamination of the soil. The review of potential vapor intrusion determined that the vapor pathway does not pose an unacceptable risk to human health. Groundwater monitoring wells were constructed to evaluate the groundwater quality. The groundwater is within the Wisconsin DNR Enforcement Standards. The latest groundwater sampling on January 13, 2012 showed arsenic, barium, and MTBE above the Wisconsin DNR Preventive Action Limit. The analytical results show that the contaminants in the groundwater are consistent or trending downward over time. There is no evidence that the arsenic, barium, and MTBE are from a spill or release event. The pollutants are believed to be residual for years of industrial activity or naturally occurring in the area soils. Other than utilities, there are no underground tanks or process piping installed under the impervious pavement or concrete floors. Therefore, considering the barrier cap there are no potential sources that would contribute new discharges of hazardous substances to the soil or groundwater.

E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds the ch. NR720, Wis. Adm. Code, standard(s) for direct contact.

The entire property is covered by an impervious barrier cap that prevents any direct contact.

F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.

The remaining soil has levels of aluminum, arsenic, cadmium, copper, lead, nickel and selenium above the Soil-to-Groundwater RCL. Groundwater monitoring verifies that all parameters except arsenic are below PAL.

G. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

The barrier cap and building cover the entire property and prevent any direct contact with residual contamination of the soil. Other than utilities, there are no underground tanks or process piping installed under the impervious pavement or concrete floors. Therefore, considering the barrier cap there are no potential sources that would contribute new discharges of hazardous substances to the soil or groundwater. Beck Aluminum Racine will maintain impervious cover in accordance with Cap Maintenance Plan.

H. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration, (e.g. stable or receding groundwater plume).

Groundwater monitoring wells were constructed to evaluate the groundwater quality. The groundwater is within the Wisconsin DNR Enforcement Standards. The latest groundwater sampling on January 13, 2012 showed arsenic, barium, and MTBE above the Wisconsin DNR Preventive Action Limit. The analytical results show that the contaminants in the groundwater are consistent or trending downward over time.

I. Identify how all exposure pathways were removed and/or adequately addressed by immediate and/or remedial action(s) described above in paragraphs, B, C, D, E and F.

The impervious cover over the entire site will eliminate the direct contact pathway and protect the groundwater from the infiltration of storm water and pollutants.

J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.

Their are no plans to close the facility. The plant is still operating as a secondary aluminum processing plant.

K. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

Most recent groundwater monitoring showed the following groundwater results above the PAL:
MW #2 Arsenic 2.6 ug/L, Barium 430 ug/L
MW #5 Arsenic 1.2 ug/L
MW #6 MTBE 13.0 ug/L

L. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

The DNR action level for vapor intrusion was not exceeded. The buildings at Beck Aluminum Racine have concrete slab floors with no subgrade structures and they are well ventilated. Thus there is no potential to build up hazardous vapors within the building.

M. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

As stated above, there is no surface water or sediment on the property.

5. Continuing Obligations: Situations where a maintenance plan(s) and inclusion on DNR's GIS Registry are required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: Maintenance Plans and GIS Registry	Maintenance Plan (s) Required in Attachment D	GIS Registry Listing
	A. On-Site	B. Off-Site			
i.	☒	☐	Engineering Control/Barrier for Direct Contact	✓	✓
ii.	☒	☐	Engineering Control/Barrier for Groundwater Infiltration	✓	✓
iii.	☐	☐	Vapor Mitigation - post closure passive system	✓	✓
iv.	☐	☐	Vapor Mitigation - post closure active system	✓	✓
v.	☐	☒	None of the above scenarios apply to this case closure	NA	NA

6. **Continuing Obligations: Situations where inclusion on DNR's GIS Registry is required.**

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: GIS Registry Only	GIS Registry Listing
	A. On-Site	B. Off-Site		
i.	☒	☐	Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	✓
ii.	☐	☐	Sites with groundwater contamination equal to or greater than the ch. NR 140, enforcement standards (ES)	✓
iii.	☐	☐	Monitoring wells: lost, transferred or remaining in use	✓
iv.	☐	☐	Structural Impediment (not as a performance standard)	✓
v.	☐	☐	Residual soil contamination remaining at ch. NR 720 Industrial Use levels	✓
vi.	☐	☐	Vapor intrusion may be future, post-closure issue if building use or land use changes	✓
vii.	☐	☒	None of the above scenarios apply to this case closure	NA

7. **Underground Storage Tanks**

A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? ○ Yes ◉ No

B. Do any upgraded tanks meeting the requirements of ch. SPS 310, Wis. Adm. Code, exist on the property? ○ Yes ◉ No

C. If the answer to question 7b is yes, is the leak detection system currently being monitored? ○ Yes ○ No

Data Tables (Attachment A)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General directions for Data Tables:

- Use bold and italics font on information of importance on tables and figures. Use **bold font** for ch. NR 140, Wis. Adm. Code, groundwater enforcement standard (ES) attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, groundwater preventive action limit (PAL) standard attainments or exceedances.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (2)(g)3, Wis. Adm. Code, in the format required in s. NR 716.15(2)(h)3, Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Pre-remedial Soil Analytical Table, etc).
- For required documents, each table (e.g., A.1., A.2., etc.,) should be a separate PDF.

A. Data Tables

A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates, for all groundwater sampling points e.g. monitoring wells, temporary wells, sumps, extraction wells, any potable wells and any other wells, extraction wells and any potable wells for which samples have been collected.

A.2. **Pre-remedial Soil Analytical Table(s):** Table(s) showing the soil analytical results and collection dates - prior to conducting the interim and/or remedial action. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).

A.3. **Post-remedial Soil Analytical Table(s):** Table(s) showing the post-remedial action soil analytical results and collection dates. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).

A.4. **Pre and Post Remaining Soil Contamination Soil Analytical Table(s):** Table(s) showing only the pre and post remedial action soil analytical results that exceed a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL).

A.5. **Vapor Analytical Table**: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample

results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.

A.6. **Other Media of Concern (e.g., sediment or surface water)**: Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, time period for sample collection, method and results sampling.

A.7. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.

A.8. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps and Figures (Attachment B)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions for all Maps and Figures:

- If any map or figure is not relevant to the case closure request, you must fully explain the reason(s) why and attach that explanation (properly labeled with the map/ figure title) in Attachment B.
- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11x17 inches, in a portable document format (pdf) readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d, Wis Adm. Code.
- Do not use shading or highlights on any of the analytical tables.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.

B.1. Location Maps

B.1.a. **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 impacted and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.

B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for on-site and applicable off-site properties, 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 ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.1.c. **RR Site Map:** From RR Sites Map (http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

B.2.a. **Pre-remedial Soil Contamination:** Figure(s) showing the sample location of all pre-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeded a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

B.2.b. **Post-remedial Soil Contamination :** Figure(s) showing the sample location of all post-remedial, unsaturated 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 ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.2.c. **Pre/Post Remaining Soil Contamination:** Figure(s) showing the only location of all pre and post remedial residual soil sample location(s) where unsaturated contaminated soil remains after remediation and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Admin. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.3. Groundwater Figures

B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:

- Source location(s) and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES)
- Surface features, including buildings and basements, and show surface elevation changes.
- Any areas of active remediation within the cross section path, such as excavations or treatment zones.
- Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1b)

B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, Preventive Action Limit (PAL) and/or an Enforcement Standard (ES). Indicate the date and direction of groundwater flow based on the most recent sampling data.

B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.

B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been previously abandoned.

B.4. Vapor Maps and Other Media

B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway, in relation to remaining soil and groundwater contamination, including sub-slab, indoor air, soil vapor, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.

B.4.b. **Other media of concern (e.g., sediment or surface water)**: Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.

B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank)

Documentation of Remedial Action (Attachment C)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc).
- If the documentation requested below is "not applicable" to the site-specific circumstances, include a brief explanation to support that conclusion.
- If the documentation requested below has already been submitted to the Department, please note the title and date of the report for that particular document requested.

C.1. **Site investigation documentation,** that has not otherwise been previously submitted.

C.2. **Investigative waste** disposal documentation.

C.3. **NR 720.19 analysis**, assumptions and calculations for site specific RCLs (SSRCLs) , with justification, including EPA Soil Screening Level Model Calculations and results.

C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.

C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment upon receiving conditional closure.

C.6. **Photos.** For sites or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system. Include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features should be visible and discernible. Photographs must be labeled with the site name, the features shown, location and the date on which the photograph was taken.

C.7. **Other**. Include any other relevant documentation not otherwise noted above. (This section may remain blank)

Maintenance Plan(s) (Attachment D)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

When one or more "maintenance plans" are required for a site closure, include in each maintenance plan all required information in sections D.1. through D.5. below, and attach the plan(s) in Attachment D. The following "model" maintenance plans can be located at: (1) Maintenance plan for a engineering control or cover: http://dnr.wi.gov/topic/Brownfields/documents/maintenance-plan.pdf; and (2) Maintenance plan for vapor intrusion: http://dnr.wi.gov/topic/Brownfields/documents/appendix5_606.pdf.

D.1. **Location map(s)** which show(s): (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) and all property boundaries.

D.2. **Brief descriptions** of the type, depth and location of residual contamination.

D.3. **Description of maintenance action(s)** required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.

D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter.

D.5. **Contact information,** including the name, address and phone number of the individual or facility who will be conducting the maintenance.

Monitoring Well Information (Attachment E)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

Attach monitoring well construction and development forms (DNR FORM 4400-113 A and B: http://dnr.wi.gov/org/water/dwg/gw/forms/4400_113_1_2.pdf) for all wells that will remain in-use, be transferred to another party or that could not be located. A figure of these wells should be included in Attachment B.3.d.

Select One:

○ No monitoring wells were required as part of this response action.

◉ All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site

○ ***Select One or More:***

☐ Not all monitoring wells can be located, despite good faith efforts. Attachment E must include description of efforts made to locate the "lost" wells.

☐ One or more wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s).

☐ One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason(s) the well(s) will remain in use.

Notifications to Owners of Impacted Properties (Attachment F)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- State law requires that the responsible party provide a 30-day, written advance notice (i.e., a letter) to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned.
- A model "template letter" for these mandatory notifications can be downloaded at: http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf.

Check all that apply to the site-specific circumstances of this case closure:

	A. Impacted Source Property and Owner is not Conducting Cleanup	B. Impacted Right of Way	C. Impacted Off-Site Property Owner	Impacted Property Notification Situations: Ch. NR 726 Appendix A Letter
1.	☐	☐	☐	Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.	☐	☐	☐	Residual soil contamination that attains or exceeds standards is present after the remedial action is complete, and must be properly managed should it be excavated or removed.
3.	☐	☐	☐	An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.	☐	☐	☐	Industrial land use soil standards were used for the clean-up standard.
5.	☐	☐	☐	A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.	☐	☐	☐	Vapor assessment needed if use changes.
7.	☐	☐	☐	Structural impediment.
8.	☐	☐	☐	Lost, transferred or open monitoring wells.
9.	☒	☒	☒	Not Applicable.

If any of the previous boxes in rows 1 thru 8 were checked, include the following as part of Attachment F:

- FORM 4400-246;
- Copy of each letter sent, 30 days or more prior to requesting closure; and
- Proof of receipt for each letter.
- For this site closure, _____ (number) property (ies) has/have been impacted, the owners have been notified, and copies of the letters and receipts are included in Attachment F.

Source Legal Documents (Attachment G)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Include all of the following documents, in this order, in Attachment G:

G.1. **Deeds - Source Property and Other Impacted Properties:** The most recent deed with legal descriptions clearly labeled for (1) the **Source Property** (where the contamination originated) and (2) all **off-source** (off-site) properties where letters were required to be sent per the ch. NR 700, Wis. Adm. Code, rule series (e.g., off-site cover maintenance required, lost monitoring well, off-site cover property impacts to groundwater exceeding the ch. NR 140, Wis. Adm. Code.

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.*

G.2. ***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)).

G.3. **Verification of Zoning**: Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.

G.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Signatures and Findings for Closure Determination

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Check the correct signature block below for this case closure request, and have the proper environmental professional(s) sign this document, in accordance with the ch. NR 700 Wis. Adm. Code rule series. Both boxes may be checked if applicable to this case closure.

☐ A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies). In this situation, the closure request must be prepared by, or under the supervision of, a professional engineer and a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code. Include both signatures provided below with the submittal.

☒ The response action(s) for this site addresses media other than groundwater. In this situation, the case closure request must be prepared by, or under the supervision of, a professional engineer, as defined in ch. NR 712, Wis. Adm. Code. The "engineering certification" language below, at a minimum, must be signed.

Engineering Certification

I Michael A. Marsh hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to obtain data, develop conclusions, recommendations and prepare submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Michael A. Marsh	Registered Professional Engineer
Printed Name	Title
Michael A. Marsh	5-15-2013
Signature	Date

WISCONSIN MICHAEL A. MARSH E-42876 SEVEN HILLS OHIO PROFESSIONAL ENGINEER

5-15-2013

E-42876

P.E. Stamp and Number

Hydrogeologist Certification

I _____ hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to address groundwater contamination including obtaining data, developing conclusions, recommendations and preparing submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Printed Name	Title
Signature	Date

	November 24, 2010				June 30, 2011					January 13, 2012						
Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	NR 140 Enforcement Standard Maximum Contaminant Level (ug/L)	NR 140 Preventive Action Level (ug/L)
MW-1					MW-1					MW-1						
	Metals Dissolved					**Metals Dissolved**					**Metals Dissolved**					
	Aluminum	<150		150		Aluminum	<21		21.0		Aluminum	<21		21.0	200	40
	Arsenic	<0.61		0.61		**Arsenic**	**0.27**	Ja	0.14		**Arsenic**	**0.17**	J	0.14	10	1
	Barim	**150**		0.61		Barim	86.00		0.40		**Barim**	**78.0**		0.40	2000	400
	Cadmium	<0.12		0.12		Cadmium	<0.12		0.12		Cadmium	<0.12		0.12	5	0.5
	Chrominum	<0.61		0.61		Chrominum	<0.59		0.59		Chrominum	<0.59		0.59	100	10
	Copper	**3.3**		0.61		**Copper**	**0.73**	Ja	0.41		**Copper**	**3.00**		0.41	1300	130
	Lead	<0.61		0.61		Lead	<0.13		0.13		Lead	<0.13		0.13	15	1.5
	Mercury (mg/L)	<0.000065		0.000065		Mercury (mg/L)	<0.000051		0.000051		Mercury	<0.070		0.70	2	0.2
	Nickel	<0.61		0.61		**Nickel**	**0.49**	Ja	0.31		**Nickel**	**3.00**		0.31	100	20
	Selenium	<0.61		0.61		**Selenium**	**1.3**	Ja	0.37		**Selenium**	**0.96**	J	0.37	50	10
	Silver	<0.61		0.61		Silver	<0.11		0.11		Silver	<0.11		0.11	50	10
	VOCs					**VOCs**					**VOCs**					
	Benzene	<0.20		0.20		Benzene	<0.20		0.20		Benzene	<0.20		0.20	5	0.5
	Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20	NE	NE
	Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50	NE	NE
	Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20	0.6	0.06
	Bromoform	<0.20		0.20		Bromoform	<0.20		0.20		Bromoform	<0.20		0.20	4.4	0.44
	Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50	10	1
	n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20	NE	NE
	sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25	NE	NE
	tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20	NE	NE
	Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80	5	0.5
	Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20	NE	NE
	Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20	NE	NE
	Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00	400	80
	Chloroform	<0.20		0.20		Chloroform	<0.20		0.20		Chloroform	<0.20		0.20	6	0.6
	Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30	30	3
	2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50	NE	NE
	4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20	NE	NE
	1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50	0.2	0.02
	1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20	NE	NE
	Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20	NE	NE
	1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20	600	60
	1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20	600	120
	1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50	75	15
	Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50	1000	200
	1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50	850	85
	1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50	5	0.5
	1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50	7	0.7
	cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50	70	7
	trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50	100	20
	1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50	5	0.5
	1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25	NE	NE
	2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50	NE	NE
	1,1-Dichloropropene	<0.50		0.50		1,1-Dichloropropene	<0.50		0.50		1,1-Dichloropropene	<0.50		0.50	NE	NE

	cis-1,3-Dichloropropene	<0.20		0.20		cis-1,3-Dichloropropene	<0.20		0.20		cis-1,3-Dichloropropene	<0.20		0.20		0.4	0.04
	trans-1,3-Dichloropropene	<0.20		0.20		trans-1,3-Dichloropropene	<0.20		0.20		trans-1,3-Dichloropropene	<0.20		0.20		0.4	0.04
	2,3-Dichloropropene	<0.25		0.25		2,3-Dichloropropene	<0.25		0.25		2,3-Dichloropropene	<0.25		0.25		NE	NE
	Isopropyl Ether	<0.50		0.50		Isopropyl Ether	<0.50		0.50		Isopropyl Ether	<0.50		0.50		NE	NE
	Ethylbenzene	<0.50		0.50		Ethylbenzene	<0.50		0.50		Ethylbenzene	<0.50		0.50		700	140
	Hexachlorobutadiene	<0.50		0.50		Hexachlorobutadiene	<0.50		0.50		Hexachlorobutadiene	<0.50		0.50		NE	NE
	Isopropybenzene	<0.20		0.20		Isopropybenzene	<0.20		0.20		Isopropybenzene	<0.20		0.20		NE	NE
	p-Isopropyltouluene	<0.20		0.20		p-Isopropyltouluene	<0.20		0.20		p-Isopropyltouluene	<0.20		0.20		NE	NE
	Methylene Chloride	<1.0		1.00		Methylene Chloride	<1.0		1.00		Methylene Chloride	<1.0		1.00		5	0.5
	Methyl tert-Butyl Ether	<0.50		0.50		Methyl tert-Butyl Ether	<0.50		0.50		Methyl tert-Butyl Ether	<0.50		0.50		NE	NE
	Naphthalene	<0.25		0.25		Naphthalene	<0.25		0.25		Naphthalene	<0.25		0.25		100	10
	n-Propylbenzene	<0.50		0.50		n-Propylbenzene	<0.50		0.50		n-Propylbenzene	<0.50		0.50		NE	NE
	Styrene	<0.50		0.50		Styrene	<0.50		0.50		Styrene	<0.50		0.50		100	10
	1,1,1,2-Tetrachloroethane	<0.25		0.25		1,1,1,2-Tetrachloroethane	<0.25		0.25		1,1,1,2-Tetrachloroethane	<0.25		0.25		70	7
	1,1,2,2-Tetrachloroethane	<0.20		0.20		1,1,2,2-Tetrachloroethane	<0.20		0.20		1,1,2,2-Tetrachloroethane	<0.20		0.20		0.2	0.02
	Tertrachloroethene	<0.50		0.50		Tertrachloroethene	<0.50		0.50		Tertrachloroethene	<0.50		0.50		NE	NE
	Toluene	<0.50		0.50		Toluene	<0.50		0.50		Toluene	<0.50		0.50		800	160
	1,2,3,-Trichlorobenzene	<0.25		0.25		1,2,3,-Trichlorobenzene	<0.25		0.25		1,2,3,-Trichlorobenzene	<0.25		0.25		NE	NE
	1,2,4-Trichlorobenzene	<0.25		0.25		1,2,4-Trichlorobenzene	<0.25		0.25		1,2,4-Trichlorobenzene	<0.25		0.25		70	14
	1,1,1-Trichloroethane	<0.50		0.50		1,1,1-Trichloroethane	<0.50		0.50		1,1,1-Trichloroethane	<0.50		0.50		200	40
	1,1,2-Trichloroethane	<0.25		0.25		1,1,2-Trichloroethane	<0.25		0.25		1,1,2-Trichloroethane	<0.25		0.25		5	0.5
	Trichloroethene	<0.20		0.20		Trichloroethene	<0.20		0.20		Trichloroethene	<0.20		0.20		NE	NE
	Trichlorofluoromethane	<0.50		0.50		Trichlorofluoromethane	<0.50		0.50		Trichlorofluoromethane	<0.50		0.50		NE	NE
	1,2,3-Trichloropropane	<0.50		0.50		1,2,3-Trichloropropane	<0.50		0.50		1,2,3-Trichloropropane	<0.50		0.50		60	12
	1,2,4-Trimethylbenzene	<0.20		0.20		1,2,4-Trimethylbenzene	<0.20		0.20		1,2,4-Trimethylbenzene	<0.20		0.20		480	96
	1,3,5-Trimethylbenzene	<0.20		0.20		1,3,5-Trimethylbenzene	<0.20		0.20		1,3,5-Trimethylbenzene	<0.20		0.20		480	96
	Viny chloride	<0.20		0.20		Viny chloride	<0.20		0.20		Viny chloride	<0.20		0.20		0.2	0.02
	Xylenes, Total	<0.50		0.50		Xylenes, Total	<0.50		0.50		Xylenes, Total	<0.50		0.50		2000	400
	PNAs					**PNAs**					**PNAs**					NE	NE
	Acenaphthene	<0.35		0.35		Acenaphthene	<0.10		0.1		Acenaphthene	<0.10		0.1		NE	NE
	Acenaphthylene	<0.73		0.73		Acenaphthylene	<0.11		0.11		Acenaphthylene	<0.11		0.11		NE	NE
	Anthracene	<0.040		0.04		Anthracene	<0.13		0.13		Anthracene	<0.13		0.13		NE	NE
	Benzo (a) anthracene	<0.047		0.047		Benzo (a) anthracene	<0.059		0.059		Benzo (a) anthracene	<0.059		0.059		NE	NE
	Benzo (b) fluoranthene	<0.10		0.1		Benzo (b) fluoranthene	<0.049		0.049		Benzo (b) fluoranthene	<0.049		0.049		0.2	0.02
	Benzo (k) fluoranthene	<0.052		0.052		Benzo (k) fluoranthene	<0.076		0.076		Benzo (k) fluoranthene	<0.076		0.076		NE	NE
	Benzo (a) pyrene	<0.034		0.034		Benzo (a) pyrene	<0.12		0.12		Benzo (a) pyrene	<0.12		0.12		0.2	0.02
	Benzo (g,h,i) perylene	<0.13		0.13		Benzo (g,h,i) perylene	<0.10		0.1		Benzo (g,h,i) perylene	<0.10		0.1		NE	NE
	Chrysene	<0.044		0.044		Chrysene	<0.12		0.12		Chrysene	<0.12		0.12		0.2	0.02
	Dibenzo (a,h) anthracene	<0.14		0.14		Dibenzo (a,h) anthracene	<0.13		0.13		Dibenzo (a,h) anthracene	<0.13		0.13		NE	NE
	Fluoranthene	<0.086		0.086		Fluoranthene	<0.11		0.11		Fluoranthene	<0.11		0.11		400	80
	Fluorene	<0.066		0.066		Fluorene	<0.13		0.13		Fluorene	<0.13		0.13		400	80
	Indeno (1,2,3-cd) pyrene	<0.066		0.066		Indeno (1,2,3-cd) pyrene	<0.073		0.073		Indeno (1,2,3-cd) pyrene	<0.073		0.073		NE	NE
	1-Methylnaphthalene	<0.34		0.34		1-Methylnaphthalene	<1.1		1.1		1-Methylnaphthalene	<1.1		1.1		NE	NE
	2-Mehtylnaphthalene	<0.33		0.33		2-Mehtylnaphthalene	<0.16		0.16		2-Mehtylnaphthalene	<0.16		0.16		NE	NE
	Naphthalene	<0.43		0.43		Naphthalene	<0.15		0.15		Naphthalene	<0.15		0.15		100	10
	Phenanthrene	<0.032		0.032		Phenanthrene	<0.086		0.086		Phenanthrene	<0.086		0.086		NE	NE
	Pyrene	<0.047		0.047		Pyrene	<0.10		0.1		Pyrene	<0.10		0.1		250	50

Qualifiers: J: Estimated Value. Analyte detected at level less than the Reporting Limit and greater than or equal to the Method Deteteciton Limit (MDL).

Ja: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NE: Not Established

Monitoring Well	November 24, 2010 Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)
MW-2				
	Metals Dissolved			
	Aluminum	<150		150.0
	Arsenic	**0.91**	J	0.61
	Barim	**520**		0.61
	Cadmium	<0.12		0.12
	Chrominum	<0.61		0.61
	Copper	**0.76**	J	0.61
	Lead	<0.61		0.61
	Mercury (mg/L)	<0.000065		0.000065
	Nickel	<0.61		0.61
	Selenium	<0.61		0.61
	Silver	<0.61		0.61
	VOCs			
	Benzene	<0.20		0.20
	Bromobenzene	<0.20		0.20
	Bromochloromethane	<0.50		0.50
	Bromodichloromethane	<0.20		0.20
	Bromoform	<0.20		0.20
	Bromomethane	<0.50		0.50
	n-Butylbenzene	<0.20		0.20
	sec-Butylbenzene	**0.82**	J	0.25
	tert-Butylbenzene	**0.22**	J	0.20
	Carbon Tetrachloride	<0.80		0.80
	Chlorobenzene	<0.20		0.20
	Chlorodibromomethane	<0.20		0.20
	Chloroethane	<1.0		1.00
	Chloroform	<0.20		0.20
	Chloromethane	<0.30		0.30
	2-Chlorotoluene	<0.50		0.50
	4-Chlorotoluene	<0.20		0.20
	1,2-Dibromo-3-chloropropane	<0.50		0.50
	1,2-Dibromoethane (EDB)	<0.20		0.20
	Dibromomethane	<0.20		0.20
	1,2-Dichlorobenzene	<0.20		0.20
	1,3-Dichlorobenzene	<0.20		0.20
	1,4-Dichlorobenzene	<0.50		0.50
	Dichlorodifluoromethane	<0.50		0.50
	1,1-Dichloroethane	<0.50		0.50
	1,2-Dichloroethane	<0.50		0.50
	1,1-Dichloroethene	<0.50		0.50
	cis-1,2-Dichloroethene	<0.50		0.50
	trans-1,2-Dichloroethene	<0.50		0.50
	1,2-Dichloropropane	<0.50		0.50
	1,3-Dichloropropane	<0.25		0.25
	2,2-Dichloropropane	<0.50		0.50

Monitoring Well	June 30, 2011 Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)
MW-2				
	Metals Dissolved			
	Aluminum	<21		21.0
	Arsenic	**2.0**		0.14
	Barim	**470**		0.4
	Cadmium	<0.12		0.12
	Chrominum	<0.59		0.59
	Copper	**0.73**	Ja	0.41
	Lead	**0.13**	Ja	0.13
	Mercury (mg/L)	<0.000051		0.000051
	Nickel	**0.48**	Ja	0.31
	Selenium	<0.37		0.37
	Silver	0.14		0.11
	VOCs			
	Benzene	<0.20		0.20
	Bromobenzene	<0.20		0.20
	Bromochloromethane	<0.50		0.50
	Bromodichloromethane	<0.20		0.20
	Bromoform	<0.20		0.20
	Bromomethane	<0.50		0.50
	n-Butylbenzene	<0.20		0.20
	sec-Butylbenzene	**0.89**	J	0.25
	tert-Butylbenzene	<0.20		0.20
	Carbon Tetrachloride	<0.80		0.80
	Chlorobenzene	<0.20		0.20
	Chlorodibromomethane	<0.20		0.20
	Chloroethane	<1.0		1.00
	Chloroform	<0.20		0.20
	Chloromethane	<0.30		0.30
	2-Chlorotoluene	<0.50		0.50
	4-Chlorotoluene	<0.20		0.20
	1,2-Dibromo-3-chloropropane	<0.50		0.50
	1,2-Dibromoethane (EDB)	<0.20		0.20
	Dibromomethane	<0.20		0.20
	1,2-Dichlorobenzene	<0.20		0.20
	1,3-Dichlorobenzene	<0.20		0.20
	1,4-Dichlorobenzene	<0.50		0.50
	Dichlorodifluoromethane	<0.50		0.50
	1,1-Dichloroethane	<0.50		0.50
	1,2-Dichloroethane	<0.50		0.50
	1,1-Dichloroethene	<0.50		0.50
	cis-1,2-Dichloroethene	<0.50		0.50
	trans-1,2-Dichloroethene	<0.50		0.50
	1,2-Dichloropropane	<0.50		0.50
	1,3-Dichloropropane	<0.25		0.25
	2,2-Dichloropropane	<0.50		0.50

Monitoring Well	January 13, 2012 Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	NR 140 Enforcement Standard Maximum Contaminant Level (ug/L)	NR 140 Preventive Action Level (ug/L)
MW-2						
	Metals Dissolved					
	Aluminum	<21		21.0	200	40
	Arsenic	**2.6**		0.14	10	1
	Barim	**430**		0.4	2000	400
	Cadmium	<0.12		0.12	5	0.5
	Chrominum	<0.59		0.59	100	10
	Copper	**1.1**	J	0.41	1300	130
	Lead	<0.13		0.13	15	1.5
	Mercury	<0.07		0.07	2	0.2
	Nickel	**2.8**		0.31	100	20
	Selenium	<0.37		0.37	50	10
	Silver	<0.11		0.11	50	10
	VOCs					
	Benzene	<0.20		0.20	5	0.5
	Bromobenzene	<0.20		0.20	NE	NE
	Bromochloromethane	<0.50		0.50	NE	NE
	Bromodichloromethane	<0.20		0.20	0.6	0.06
	Bromoform	<0.20		0.20	4.4	0.44
	Bromomethane	<0.50		0.50	10	1
	n-Butylbenzene	<0.20		0.20	NE	NE
	sec-Butylbenzene	**0.86**	J	0.25	NE	NE
	tert-Butylbenzene	<0.20		0.20	NE	NE
	Carbon Tetrachloride	<0.80		0.80	5	0.5
	Chlorobenzene	<0.20		0.20	NE	NE
	Chlorodibromomethane	<0.20		0.20	NE	NE
	Chloroethane	<1.0		1.00	400	80
	Chloroform	<0.20		0.20	6	0.6
	Chloromethane	<0.30		0.30	30	3
	2-Chlorotoluene	<0.50		0.50	NE	NE
	4-Chlorotoluene	<0.20		0.20	NE	NE
	1,2-Dibromo-3-chloropropane	<0.50		0.50	0.2	0.02
	1,2-Dibromoethane (EDB)	<0.20		0.20	NE	NE
	Dibromomethane	<0.20		0.20	NE	NE
	1,2-Dichlorobenzene	<0.20		0.20	600	60
	1,3-Dichlorobenzene	<0.20		0.20	600	120
	1,4-Dichlorobenzene	<0.50		0.50	75	15
	Dichlorodifluoromethane	<0.50		0.50	1000	200
	1,1-Dichloroethane	<0.50		0.50	850	85
	1,2-Dichloroethane	<0.50		0.50	5	0.5
	1,1-Dichloroethene	<0.50		0.50	7	0.7
	cis-1,2-Dichloroethene	<0.50		0.50	70	7
	trans-1,2-Dichloroethene	<0.50		0.50	100	20
	1,2-Dichloropropane	<0.50		0.50	5	0.5
	1,3-Dichloropropane	<0.25		0.25	NE	NE
	2,2-Dichloropropane	<0.50		0.50	NE	NE

1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	NE	NE
cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	NE	NE
Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	NE	NE
Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	700	140
Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	NE	NE
Isopropybenzene	**2.4**		0.20	**Isopropybenzene**	**1.9**	J	0.20	**Isopropybenzene**	**1.8**	J	0.20	NE	NE
p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	NE	NE
Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	5	0.5
Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	NE	NE
Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	100	10
n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	NE	NE
Styrene	<0.50		0.50	Styrene	<0.50		0.50	Styrene	<0.50		0.50	100	10
1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	70	7
1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	0.2	0.02
Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	NE	NE
Toluene	<0.50		0.50	Toluene	<0.50		0.50	Toluene	<0.50		0.50	800	160
1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	NE	NE
1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	70	14
1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	200	40
1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	5	0.5
Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	NE	NE
Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	NE	NE
1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	60	12
1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	480	96
1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	480	96
Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	0.2	0.02
Xylenes, Total	**0.54**	J	0.50	Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	2000	400
PNAs				**PNAs**				**PNAs**				NE	NE
Acenaphthene	<0.35		0.35	Acenaphthene	<0.10		0.1	Acenaphthene	<0.10		0.1	NE	NE
Acenaphthylene	<0.73		0.73	Acenaphthylene	<0.11		0.11	Acenaphthylene	<0.11		0.11	NE	NE
Anthracene	<0.040		0.04	Anthracene	<0.13		0.13	Anthracene	<0.13		0.13	NE	NE
Benzo (a) anthracene	**0.072**	J	0.047	Benzo (a) anthracene	<0.059		0.059	Benzo (a) anthracene	<0.059		0.059	NE	NE
Benzo (b) fluoranthene	<0.10		0.1	Benzo (b) fluoranthene	<0.049		0.049	Benzo (b) fluoranthene	<0.049		0.049	0.2	0.02
Benzo (k) fluoranthene	<0.052		0.052	Benzo (k) fluoranthene	<0.076		0.076	Benzo (k) fluoranthene	<0.076		0.076	NE	NE
Benzo (a) pyrene	<0.034		0.034	Benzo (a) pyrene	<0.12		0.12	Benzo (a) pyrene	<0.12		0.12	0.2	0.02
Benzo (g,h,i) perylene	<0.13		0.13	Benzo (g,h,i) perylene	<0.10		0.1	Benzo (g,h,i) perylene	<0.10		0.1	NE	NE
Chrysene	<0.044		0.044	Chrysene	<0.12		0.12	Chrysene	<0.12		0.12	0.2	0.02
Dibenzo (a,h) anthracene	<0.14		0.14	Dibenzo (a,h) anthracene	<0.13		0.13	Dibenzo (a,h) anthracene	<0.13		0.13	NE	NE
Fluoranthene	**0.16**	J	0.086	Fluoranthene	<0.11		0.11	Fluoranthene	<0.11		0.11	400	80
Fluorene	<0.066		0.066	Fluorene	<0.13		0.13	Fluorene	<0.13		0.13	400	80
Indeno (1,2,3-cd) pyrene	<0.066		0.066	Indeno (1,2,3-cd) pyrene	<0.073		0.073	Indeno (1,2,3-cd) pyrene	<0.073		0.073	NE	NE
1-Methylnaphthalene	<0.34		0.34	1-Methylnaphthalene	<1.1		1.1	1-Methylnaphthalene	<1.1		1.1	NE	NE
2-Mehtylnaphthalene	<0.33		0.33	2-Mehtylnaphthalene	<0.16		0.16	2-Mehtylnaphthalene	<0.16		0.16	NE	NE
Naphthalene	<0.43		0.43	Naphthalene	<0.15		0.15	Naphthalene	<0.15		0.15	100	10
Phenanthrene	**0.11**	J	0.032	Phenanthrene	<0.086		0.086	Phenanthrene	<0.086		0.086	NE	NE
Pyrene	<0.047		0.047	Pyrene	<0.10		0.1	Pyrene	<0.10		0.1	250	50

Qualifiers: J: Estimated Value. Analyte detected at level less than the Reporting Limit and greater than or equal to the Method Deteteciton Limit (MDL).

Ja: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NE: Not Established

	November 24, 2010				June 30, 2011					January 13, 2012						
Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	NR 140 Enforcement Standard Maximum Contaminant Level (ug/L)	NR 140 Preventive Action Level (ug/L)
MW-3					MW-3					MW-3						
	Metals Dissolved					**Metals Dissolved**					**Metals Dissolved**					
	Aluminum	<150		150		Aluminum	<21		21		Aluminum	<21		21	200	40
	Arsenic	<0.61		0.61		**Arsenic**	**1.4**		0.14		**Arsenic**	**0.58**	J	0.14	10	1
	Barim	**390**		0.61		**Barim**	**250**		0.4		**Barim**	**220**		0.4	2000	400
	Cadmium	<0.12		0.12		Cadmium	<0.12		0.12		Cadmium	<0.12		0.12	5	0.5
	Chrominum	<0.61		0.61		Chrominum	<0.59		0.59		Chrominum	<0.59		0.59	100	10
	Copper	**3.3**		0.61		**Copper**	**0.81**	Ja	0.41		**Copper**	**1.5**	J	0.41	1300	130
	Lead	<0.61		0.61		Lead	<0.13		0.13		Lead	<0.13		0.13	15	1.5
	Mercury (mg/L)	<0.000065		0.000065		Mercury (mg/L)	<0.000051		0.000051		Mercury	<0.070		0.07	2	0.2
	Nickel	<0.61		0.61		**Nickel**	**0.62**	Ja	0.31		**Nickel**	**0.87**	J	0.31	100	20
	Selenium	<0.61		0.61		Selenium	<0.37		0.37		Selenium	<0.37		0.37	50	10
	Silver	<0.61		0.61		Silver	<0.11		0.11		Silver	<0.11		0.11	50	10
	VOCs					**VOCs**					**VOCs**					
	Benzene	<0.20		0.20		Benzene	<0.20		0.20		Benzene	<0.20		0.20	5	0.5
	Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20	NE	NE
	Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50	NE	NE
	Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20	0.6	0.06
	Bromoform	<0.20		0.20		Bromoform	<0.20		0.20		Bromoform	<0.20		0.20	4.4	0.44
	Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50	10	1
	n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20	NE	NE
	sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25	NE	NE
	tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20	NE	NE
	Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80	5	0.5
	Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20	NE	NE
	Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20	NE	NE
	Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00	400	80
	Chloroform	<0.20		0.20		Chloroform	<0.20		0.20		Chloroform	<0.20		0.20	6	0.6
	Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30	30	3
	2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50	NE	NE
	4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20	NE	NE
	1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50	0.2	0.02
	1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20	NE	NE
	Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20	NE	NE
	1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20	600	60
	1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20	600	120
	1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50	75	15
	Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50	1000	200
	1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50	850	85
	1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50	5	0.5
	1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50	7	0.7
	cis-1,2-Dichloroethene	**0.75**	J	0.50		cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50	70	7
	trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50	100	20
	1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50	5	0.5
	1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25	NE	NE
	2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50	NE	NE

1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	NE	NE
cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	NE	NE
Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	NE	NE
Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	700	140
Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	NE	NE
Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	NE	NE
p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	NE	NE
Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	5	0.5
Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	NE	NE
Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	100	10
n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	NE	NE
Styrene	<0.50		0.50	Styrene	<0.50		0.50	Styrene	<0.50		0.50	100	10
1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	70	7
1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	0.2	0.02
Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	NE	NE
Toluene	<0.50		0.50	Toluene	<0.50		0.50	Toluene	<0.50		0.50	800	160
1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	NE	NE
1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	70	14
1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	200	40
1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	5	0.5
Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	NE	NE
Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	NE	NE
1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	60	12
1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	480	96
1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	480	96
Viny chloride	**0.2**	J	0.20	Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	0.2	0.02
Xylenes, Total	**<0.50**		0.50	Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	2000	400
PNAs				**PNAs**				**PNAs**				NE	NE
Acenaphthene	<0.35		0.35	Acenaphthene	<0.10		0.1	Acenaphthene	<0.10		0.1	NE	NE
Acenaphthylene	<0.73		0.73	Acenaphthylene	<0.11		0.11	Acenaphthylene	<0.11		0.11	NE	NE
Anthracene	<0.040		0.04	Anthracene	<0.13		0.13	Anthracene	<0.13		0.13	NE	NE
Benzo (a) anthracene	**0.073**	J	0.047	Benzo (a) anthracene	<0.059		0.059	Benzo (a) anthracene	<0.059		0.059	NE	NE
Benzo (b) fluoranthene	<0.10		0.1	Benzo (b) fluoranthene	<0.049		0.049	Benzo (b) fluoranthene	<0.049		0.049	0.2	0.02
Benzo (k) fluoranthene	<0.052		0.052	Benzo (k) fluoranthene	<0.076		0.076	Benzo (k) fluoranthene	<0.076		0.076	NE	NE
Benzo (a) pyrene	<0.034		0.034	Benzo (a) pyrene	<0.12		0.12	Benzo (a) pyrene	<0.12		0.12	0.2	0.02
Benzo (g,h,i) perylene	<0.13		0.13	Benzo (g,h,i) perylene	<0.10		0.1	Benzo (g,h,i) perylene	<0.10		0.1	NE	NE
Chrysene	0.055		0.044	Chrysene	<0.12		0.12	Chrysene	<0.12		0.12	0.2	0.02
Dibenzo (a,h) anthracene	<0.14		0.14	Dibenzo (a,h) anthracene	<0.13		0.13	Dibenzo (a,h) anthracene	<0.13		0.13	NE	NE
Fluoranthene	<0.086		0.086	Fluoranthene	<0.11		0.11	Fluoranthene	<0.11		0.11	400	80
Fluorene	<0.066		0.066	Fluorene	<0.13		0.13	Fluorene	<0.13		0.13	400	80
Indeno (1,2,3-cd) pyrene	<0.066		0.066	Indeno (1,2,3-cd) pyrene	<0.073		0.073	Indeno (1,2,3-cd) pyrene	<0.073		0.073	NE	NE
1-Methylnaphthalene	<0.34		0.34	1-Methylnaphthalene	<1.1		1.1	1-Methylnaphthalene	<1.1		1.1	NE	NE
2-Mehtylnaphthalene	<0.33		0.33	2-Mehtylnaphthalene	<0.16		0.16	2-Mehtylnaphthalene	<0.16		0.16	NE	NE
Naphthalene	<0.43		0.43	Naphthalene	<0.15		0.15	Naphthalene	<0.15		0.15	100	10
Phenanthrene	<0.032		0.032	Phenanthrene	<0.086		0.086	Phenanthrene	<0.086		0.086	NE	NE
Pyrene	**0.12**	J	0.047	Pyrene	<0.10		0.1	Pyrene	<0.10		0.1	250	50

Qualifiers: J: Estimated Value. Analyte detected at level less than the Reporting Limit and greater than or equal to the Method Deteteciton Limit (MDL).

Ja: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NE: Not Established

	November 24, 2010													
Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	NR 140 Enforcement Standard Maximum Contaminant Level (ug/L)	NR 140 Preventive Action Level (ug/L)
MW-4					MW-4					MW-4						
	Metals Dissolved					**Metals Dissolved**					**Metals Dissolved**					
	Aluminum	<150		150		Aluminum	<21		21		Aluminum	<110		110	200	40
	Arsenic	**0.68**	J	0.61		**Arsenic**	**0.36**	Ja	0.14		**Arsenic**	**0.3**	J	0.14	10	1
	Barim	**250**		0.61		**Barim**	**160**		0.4		**Barim**	**170**		0.4	2000	400
	Cadmium	<0.12		0.12		**Cadmium**	**0.83**		0.12		**Cadmium**	**0.12**	J	0.12	5	0.5
	Chrominum	<0.61		0.61		Chrominum	<0.59		0.59		Chrominum	<3.0		0.59	100	10
	Copper	**4.4**	J	0.61		**Copper**	**0.94**	Ja	0.41		**Copper**	**2**		0.41	1300	130
	Lead	<0.61		0.61		**Lead**	**0.16**	Ja	0.13		Lead	<0.13		0.13	15	1.5
	Mercury (mg/L)	<0.000065		0.000065		Mercury (mg/L)	<0.000051		0.000051		Mercury	<0.07		0.07	2	0.2
	Nickel	5.1		0.61		**Nickel**	**110**		0.31		**Nickel**	**9.7**		0.31	100	20
	Selenium	<0.61		0.61		Selenium	<0.37		0.37		Selenium	<0.37		0.37	50	10
	Silver	<0.61		0.61		Silver	<0.11		0.11		Silver	<0.11		0.11	50	10
	VOCs					**VOCs**					**VOCs**					
	Benzene	<0.20		0.20		Benzene	<0.20		0.20		Benzene	<0.20		0.20	5	0.5
	Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20	NE	NE
	Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50	NE	NE
	Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20	0.6	0.06
	Bromoform	<0.20		0.20		Bromoform	<0.20		0.20		Bromoform	<0.20		0.20	4.4	0.44
	Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50	10	1
	n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20	NE	NE
	sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25	NE	NE
	tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20	NE	NE
	Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80	5	0.5
	Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20	NE	NE
	Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20	NE	NE
	Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00	400	80
	Chloroform	<0.20		0.20		Chloroform	<0.20		0.20		Chloroform	<0.20		0.20	6	0.6
	Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30	30	3
	2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50	NE	NE
	4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20	NE	NE
	1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50	0.2	0.02
	1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20	NE	NE
	Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20	NE	NE
	1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20	600	60
	1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20	600	120
	1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50	75	15
	Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50	1000	200
	1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50	850	85
	1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50	5	0.5
	1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50	7	0.7
	cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50	70	7
	trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50	100	20
	1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50	5	0.5
	1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25	NE	NE
	2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50	NE	NE

1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	NE	NE
cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	NE	NE
Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	NE	NE
Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	700	140
Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	NE	NE
Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	NE	NE
p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	NE	NE
Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	5	0.5
Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	NE	NE
Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	100	10
n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	NE	NE
Styrene	<0.50		0.50	Styrene	<0.50		0.50	Styrene	<0.50		0.50	100	10
1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	70	7
1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	0.2	0.02
Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	NE	NE
Toluene	<0.50		0.50	Toluene	<0.50		0.50	Toluene	<0.50		0.50	800	160
1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	NE	NE
1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	70	14
1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	200	40
1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	5	0.5
Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	NE	NE
Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	NE	NE
1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	60	12
1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	480	96
1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	480	96
Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	0.2	0.02
Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	2000	400
PNAs				**PNAs**				**PNAs**				NE	NE
Acenaphthene	<0.35		0.35	Acenaphthene	<0.10		0.1	Acenaphthene	<0.10		0.1	NE	NE
Acenaphthylene	<0.73		0.73	Acenaphthylene	<0.11		0.11	Acenaphthylene	<0.11		0.11	NE	NE
Anthracene	<0.040		0.04	Anthracene	<0.13		0.13	Anthracene	<0.13		0.13	NE	NE
Benzo (a) anthracene	**0.097**	J	0.047	Benzo (a) anthracene	<0.059		0.059	Benzo (a) anthracene	<0.059		0.059	NE	NE
Benzo (b) fluoranthene	<0.10		0.1	Benzo (b) fluoranthene	<0.049		0.049	Benzo (b) fluoranthene	<0.049		0.049	0.2	0.02
Benzo (k) fluoranthene	<0.052		0.052	Benzo (k) fluoranthene	<0.076		0.076	Benzo (k) fluoranthene	<0.076		0.076	NE	NE
Benzo (a) pyrene	<0.034		0.034	Benzo (a) pyrene	<0.12		0.12	Benzo (a) pyrene	<0.12		0.12	0.2	0.02
Benzo (g,h,i) perylene	<0.13		0.13	Benzo (g,h,i) perylene	<0.10		0.1	Benzo (g,h,i) perylene	<0.10		0.1	NE	NE
Chrysene	<0.044		0.044	Chrysene	<0.12		0.12	Chrysene	<0.12		0.12	0.2	0.02
Dibenzo (a,h) anthracene	<0.14		0.14	Dibenzo (a,h) anthracene	<0.13		0.13	Dibenzo (a,h) anthracene	<0.13		0.13	NE	NE
Fluoranthene	<0.086		0.086	Fluoranthene	<0.11		0.11	Fluoranthene	<0.11		0.11	400	80
Fluorene	<0.066		0.066	Fluorene	<0.13		0.13	Fluorene	<0.13		0.13	400	80
Indeno (1,2,3-cd) pyrene	<0.066		0.066	Indeno (1,2,3-cd) pyrene	<0.073		0.073	Indeno (1,2,3-cd) pyrene	<0.073		0.073	NE	NE
1-Methylnaphthalene	<0.34		0.34	1-Methylnaphthalene	<1.1		1.1	1-Methylnaphthalene	<1.1		1.1	NE	NE
2-Mehtylnaphthalene	<0.33		0.33	2-Mehtylnaphthalene	<0.16		0.16	2-Mehtylnaphthalene	<0.16		0.16	NE	NE
Naphthalene	<0.43		0.43	Naphthalene	<0.15		0.15	Naphthalene	<0.15		0.15	100	10
Phenanthrene	**0.04**	J	0.032	Phenanthrene	<0.086		0.086	Phenanthrene	<0.086		0.086	NE	NE
Pyrene	<0.047		0.047	Pyrene	<0.10		0.1	Pyrene	<0.10		0.1	250	50

Qualifiers: J: Estimated Value. Analyte detected at level less than the Reporting Limit and greater than or equal to the Method Deteteciton Limit (MDL).

Ja: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NE: Not Established

	November 24, 2010				June 30, 2011					January 13, 2012						
Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	NR 140 Enforcement Standard Maximum Contaminant Level (ug/L)	NR 140 Preventive Action Level (ug/L)
MW-5					MW-5					MW-5						
	Metals Dissolved					**Metals Dissolved**					**Metals Dissolved**					
	Aluminum	<150		150		Aluminum	<21		21		Aluminum	<21		21	200	40
	Arsenic	**1.1**	J	0.61		**Arsenic**	**0.76**	Ja	0.14		**Arsenic**	**1.2**		0.14	10	1
	Barim	**250**		0.61		**Barim**	**180**		0.4		**Barim**	**180**		0.4	2000	400
	Cadmium	<0.12		0.12		Cadmium	<0.12		0.12		Cadmium	<0.12		0.12	5	0.5
	Chrominum	<0.61		0.61		Chrominum	<0.59		0.59		Chrominum	<0.59		0.59	100	10
	Copper	**0.94**	J	0.61		**Copper**	**1.7**	Ja	0.41		**Copper**	**2.1**		0.41	1300	130
	Lead	<0.61		0.61		Lead	<0.13		0.13		Lead	<0.13		0.13	15	1.5
	Mercury (mg/L)	<0.000065		0.000065		Mercury (mg/L)	<0.000051		0.000051		Mercury	<0.07		0.07	2	0.2
	Nickel	<0.61		0.61		**Nickel**	**2.1**		0.31		**Nickel**	**1.8**	J	0.31	100	20
	Selenium	<0.61		0.61		Selenium	<0.37		0.37		Selenium	<0.37		0.37	50	10
	Silver	<0.61		0.61		Silver	<0.11		0.11		Silver	<0.11		0.11	50	10
	VOCs					**VOCs**					**VOCs**					
	Benzene	<0.20		0.20		Benzene	<0.20		0.20		Benzene	<0.20		0.20	5	0.5
	Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20	NE	NE
	Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50	NE	NE
	Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20	0.6	0.06
	Bromoform	<0.20		0.20		Bromoform	<0.20		0.20		Bromoform	<0.20		0.20	4.4	0.44
	Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50	10	1
	n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20	NE	NE
	sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25	NE	NE
	tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20	NE	NE
	Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80	5	0.5
	Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20	NE	NE
	Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20	NE	NE
	Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00	400	80
	Chloroform	<0.20		0.20		Chloroform	<0.20		0.20		Chloroform	<0.20		0.20	6	0.6
	Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30	30	3
	2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50	NE	NE
	4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20	NE	NE
	1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50	0.2	0.02
	1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20	NE	NE
	Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20	NE	NE
	1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20	600	60
	1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20	600	120
	1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50	75	15
	Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50	1000	200
	1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50	850	85
	1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50	5	0.5
	1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50	7	0.7
	cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50	70	7
	trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50	100	20
	1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50	5	0.5
	1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25	NE	NE
	2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50	NE	NE

1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	NE	NE
cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	NE	NE
Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	NE	NE
Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	700	140
Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	NE	NE
Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	NE	NE
p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	NE	NE
Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	5	0.5
Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	Methyl tert-Butyl Ether	<0.50		0.50	NE	NE
Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	100	10
n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	NE	NE
Styrene	<0.50		0.50	Styrene	<0.50		0.50	Styrene	<0.50		0.50	100	10
1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	70	7
1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	0.2	0.02
Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	NE	NE
Toluene	<0.50		0.50	Toluene	<0.50		0.50	Toluene	<0.50		0.50	800	160
1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	NE	NE
1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	70	14
1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	200	40
1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	5	0.5
Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	NE	NE
Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	NE	NE
1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	60	12
1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	480	96
1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	480	96
Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	0.2	0.02
Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	2000	400
PNAs				**PNAs**				**PNAs**				NE	NE
Acenaphthene	<0.35		0.35	Acenaphthene	<0.10		0.1	Acenaphthene	<0.10		0.1	NE	NE
Acenaphthylene	<0.73		0.73	Acenaphthylene	<0.11		0.11	Acenaphthylene	<0.11		0.11	NE	NE
Anthracene	<0.040		0.04	Anthracene	<0.13		0.13	Anthracene	<0.13		0.13	NE	NE
Benzo (a) anthracene	<0.047		0.047	Benzo (a) anthracene	<0.059		0.059	Benzo (a) anthracene	<0.059		0.059	NE	NE
Benzo (b) fluoranthene	<0.10		0.1	Benzo (b) fluoranthene	<0.049		0.049	Benzo (b) fluoranthene	<0.049		0.049	0.2	0.02
Benzo (k) fluoranthene	<0.052		0.052	Benzo (k) fluoranthene	<0.076		0.076	Benzo (k) fluoranthene	<0.076		0.076	NE	NE
Benzo (a) pyrene	<0.034		0.034	Benzo (a) pyrene	<0.12		0.12	Benzo (a) pyrene	<0.12		0.12	0.2	0.02
Benzo (g,h,i) perylene	<0.13		0.13	Benzo (g,h,i) perylene	<0.10		0.1	Benzo (g,h,i) perylene	<0.10		0.1	NE	NE
Chrysene	<0.044		0.044	Chrysene	<0.12		0.12	Chrysene	<0.12		0.12	0.2	0.02
Dibenzo (a,h) anthracene	<0.14		0.14	Dibenzo (a,h) anthracene	<0.13		0.13	Dibenzo (a,h) anthracene	<0.13		0.13	NE	NE
Fluoranthene	<0.086		0.086	Fluoranthene	<0.11		0.11	Fluoranthene	<0.11		0.11	400	80
Fluorene	<0.066		0.066	Fluorene	<0.13		0.13	Fluorene	<0.13		0.13	400	80
Indeno (1,2,3-cd) pyrene	<0.066		0.066	Indeno (1,2,3-cd) pyrene	<0.073		0.073	Indeno (1,2,3-cd) pyrene	<0.073		0.073	NE	NE
1-Methylnaphthalene	<0.34		0.34	1-Methylnaphthalene	<1.1		1.1	1-Methylnaphthalene	<1.1		1.1	NE	NE
2-Mehtylnaphthalene	<0.33		0.33	2-Mehtylnaphthalene	<0.16		0.16	2-Mehtylnaphthalene	<0.16		0.16	NE	NE
Naphthalene	<0.43		0.43	Naphthalene	<0.15		0.15	Naphthalene	<0.15		0.15	100	10
Phenanthrene	<0.032		0.032	Phenanthrene	<0.086		0.086	Phenanthrene	<0.086		0.086	NE	NE
Pyrene	<0.047		0.047	Pyrene	<0.10		0.1	Pyrene	<0.10		0.1	250	50

Qualifiers: J: Estimated Value. Analyte detected at level less than the Reporting Limit and greater than or equal to the Method Deteteciton Limit (MDL).

Ja: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NE: Not Established

	November 24, 2010				June 30, 2011					January 13, 2012						
Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	Monitoring Well	Analyte Detected	Sample Result (ug/L)	Data Qualifier	Laboratory Detection Limit (ug/L)	NR 140 Enforcement Standard Maximum Contaminant Level (ug/L)	NR 140 Preventive Action Level (ug/L)
MW-6					MW-6					MW-6						
	Metals Dissolved					**Metals Dissolved**					**Metals Dissolved**					
	Aluminum	<150		150		Aluminum	<21		21		Aluminum	<21		21	200	40
	Arsenic	<0.61		0.61		**Arsenic**	**0.32**	Ja	0.14		**Arsenic**	**0.26**	J	0.14	10	1
	Barim	**150**		0.61		**Barim**	**96**		0.4		**Barim**	**97**		0.4	2000	400
	Cadmium	<0.12		0.12		Cadmium	<0.12		0.12		Cadmium	<0.12		0.12	5	0.5
	Chrominum	<0.61		0.61		Chrominum	<0.59		0.59		Chrominum	<0.59		0.59	100	10
	Copper	**2.0**		0.61		**Copper**	**0.5**	Ja	0.41		**Copper**	**2.7**		0.41	1300	130
	Lead	<0.61		0.61		Lead	<0.13		0.13		Lead	<0.13		0.13	15	1.5
	Mercury (mg/L)	<0.000065		0.000065		Mercury (mg/L)	<0.000051		0.000051		Mercury	<0.070		0.7	2	0.2
	Nickel	<0.61		0.61		**Nickel**	**1.1**	Ja	0.31		**Nickel**	**3.4**		0.31	100	20
	Selenium	<0.61		0.61		Selenium	<0.37		0.37		Selenium	<0.37		0.37	50	10
	Silver	<0.61		0.61		Silver	<0.11		0.11		Silver	<0.11		0.11	50	10
	VOCs					**VOCs**					**VOCs**					
	Benzene	<0.20		0.20		Benzene	<0.20		0.20		Benzene	<0.20		0.20	5	0.5
	Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20		Bromobenzene	<0.20		0.20	NE	NE
	Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50		Bromochloromethane	<0.50		0.50	NE	NE
	Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20		Bromodichloromethane	<0.20		0.20	0.6	0.06
	Bromoform	<0.20		0.20		Bromoform	<0.20		0.20		Bromoform	<0.20		0.20	4.4	0.44
	Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50		Bromomethane	<0.50		0.50	10	1
	n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20		n-Butylbenzene	<0.20		0.20	NE	NE
	sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25		sec-Butylbenzene	<0.25		0.25	NE	NE
	tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20		tert-Butylbenzene	<0.20		0.20	NE	NE
	Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80		Carbon Tetrachloride	<0.80		0.80	5	0.5
	Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20		Chlorobenzene	<0.20		0.20	NE	NE
	Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20		Chlorodibromomethane	<0.20		0.20	NE	NE
	Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00		Chloroethane	<1.0		1.00	400	80
	Chloroform	<0.20		0.20		Chloroform	<0.20		0.20		Chloroform	<0.20		0.20	6	0.6
	Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30		Chloromethane	<0.30		0.30	30	3
	2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50		2-Chlorotoluene	<0.50		0.50	NE	NE
	4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20		4-Chlorotoluene	<0.20		0.20	NE	NE
	1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50		1,2-Dibromo-3-chloropropane	<0.50		0.50	0.2	0.02
	1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20		1,2-Dibromoethane (EDB)	<0.20		0.20	NE	NE
	Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20		Dibromomethane	<0.20		0.20	NE	NE
	1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20		1,2-Dichlorobenzene	<0.20		0.20	600	60
	1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20		1,3-Dichlorobenzene	<0.20		0.20	600	120
	1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50		1,4-Dichlorobenzene	<0.50		0.50	75	15
	Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50		Dichlorodifluoromethane	<0.50		0.50	1000	200
	1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50		1,1-Dichloroethane	<0.50		0.50	850	85
	1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50		1,2-Dichloroethane	<0.50		0.50	5	0.5
	1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50		1,1-Dichloroethene	<0.50		0.50	7	0.7
	cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50		cis-1,2-Dichloroethene	<0.50		0.50	70	7
	trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50		trans-1,2-Dichloroethene	<0.50		0.50	100	20
	1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50		1,2-Dichloropropane	<0.50		0.50	5	0.5
	1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25		1,3-Dichloropropane	<0.25		0.25	NE	NE
	2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50		2,2-Dichloropropane	<0.50		0.50	NE	NE

1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	1,1-Dichloropropene	<0.50		0.50	NE	NE
cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	cis-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	trans-1,3-Dichloropropene	<0.20		0.20	0.4	0.04
2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	2,3-Dichloropropene	<0.25		0.25	NE	NE
Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	Isopropyl Ether	<0.50		0.50	NE	NE
Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	Ethylbenzene	<0.50		0.50	700	140
Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	Hexachlorobutadiene	<0.50		0.50	NE	NE
Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	Isopropybenzene	<0.20		0.20	NE	NE
p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	p-Isopropyltouluene	<0.20		0.20	NE	NE
Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	Methylene Chloride	<1.0		1.00	5	0.5
Methyl tert-Butyl Ether	<0.50		0.50	**Methyl tert-Butyl Ether**	**11**		0.50	Methyl tert-Butyl Ether	<0.50		0.50	NE	NE
Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	Naphthalene	<0.25		0.25	100	10
n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	n-Propylbenzene	<0.50		0.50	NE	NE
Styrene	<0.50		0.50	Styrene	<0.50		0.50	Styrene	<0.50		0.50	100	10
1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	1,1,1,2-Tetrachloroethane	<0.25		0.25	70	7
1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	1,1,2,2-Tetrachloroethane	<0.20		0.20	0.2	0.02
Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	Tertrachloroethene	<0.50		0.50	NE	NE
Toluene	<0.50		0.50	Toluene	<0.50		0.50	Toluene	<0.50		0.50	800	160
1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	1,2,3,-Trichlorobenzene	<0.25		0.25	NE	NE
1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	1,2,4-Trichlorobenzene	<0.25		0.25	70	14
1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	1,1,1-Trichloroethane	<0.50		0.50	200	40
1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	1,1,2-Trichloroethane	<0.25		0.25	5	0.5
Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	Trichloroethene	<0.20		0.20	NE	NE
Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	Trichlorofluoromethane	<0.50		0.50	NE	NE
1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	1,2,3-Trichloropropane	<0.50		0.50	60	12
1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	1,2,4-Trimethylbenzene	<0.20		0.20	480	96
1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	1,3,5-Trimethylbenzene	<0.20		0.20	480	96
Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	Viny chloride	<0.20		0.20	0.2	0.02
Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	Xylenes, Total	<0.50		0.50	2000	400
PNAs				**PNAs**				**PNAs**				NE	NE
Acenaphthene	<0.35		0.35	Acenaphthene	<0.10		0.1	Acenaphthene	<0.10		0.1	NE	NE
Acenaphthylene	<0.73		0.73	Acenaphthylene	<0.11		0.11	Acenaphthylene	<0.11		0.11	NE	NE
Anthracene	<0.040		0.04	Anthracene	<0.13		0.13	Anthracene	<0.13		0.13	NE	NE
Benzo (a) anthracene	**0.12**	J	0.047	Benzo (a) anthracene	<0.059		0.059	Benzo (a) anthracene	<0.059		0.059	NE	NE
Benzo (b) fluoranthene	<0.10		0.1	Benzo (b) fluoranthene	<0.049		0.049	Benzo (b) fluoranthene	<0.049		0.049	0.2	0.02
Benzo (k) fluoranthene	<0.052		0.052	Benzo (k) fluoranthene	<0.076		0.076	Benzo (k) fluoranthene	<0.076		0.076	NE	NE
Benzo (a) pyrene	**0.099**	J	0.034	Benzo (a) pyrene	<0.12		0.12	Benzo (a) pyrene	<0.12		0.12	0.2	0.02
Benzo (g,h,i) perylene	<0.13		0.13	Benzo (g,h,i) perylene	<0.10		0.1	Benzo (g,h,i) perylene	<0.10		0.1	NE	NE
Chrysene	**0.091**	J	0.044	Chrysene	<0.12		0.12	Chrysene	<0.12		0.12	0.2	0.02
Dibenzo (a,h) anthracene	<0.14		0.14	Dibenzo (a,h) anthracene	<0.13		0.13	Dibenzo (a,h) anthracene	<0.13		0.13	NE	NE
Fluoranthene	**0.16**	J	0.086	Fluoranthene	<0.11		0.11	Fluoranthene	<0.11		0.11	400	80
Fluorene	<0.066		0.066	Fluorene	<0.13		0.13	Fluorene	<0.13		0.13	400	80
Indeno (1,2,3-cd) pyrene	<0.066		0.066	Indeno (1,2,3-cd) pyrene	<0.073		0.073	Indeno (1,2,3-cd) pyrene	<0.073		0.073	NE	NE
1-Methylnaphthalene	<0.34		0.34	1-Methylnaphthalene	<1.1		1.1	1-Methylnaphthalene	<1.1		1.1	NE	NE
2-Mehtylnaphthalene	<0.33		0.33	2-Mehtylnaphthalene	<0.16		0.16	2-Mehtylnaphthalene	<0.16		0.16	NE	NE
Naphthalene	<0.43		0.43	Naphthalene	<0.15		0.15	Naphthalene	<0.15		0.15	100	10
Phenanthrene	**0.053**	J	0.032	Phenanthrene	<0.086		0.086	Phenanthrene	<0.086		0.086	NE	NE
Pyrene	<0.047		0.047	Pyrene	<0.10		0.1	Pyrene	<0.10		0.1	250	50

Qualifiers: J: Estimated Value. Analyte detected at level less than the Reporting Limit and greater than or equal to the Method Deteteciton Limit (MDL).

Ja: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NE: Not Established

November 2009

Beck Aluminum - Racine
Temporary Wells
Groundwater Results

Location	Al (ug/L)	As (ug/L)	Cd (ug/L)	Cr (ug/L)	Cu (ug/L)	Pb (ug/L)	Ni (ug/L)	Se (ug/L)
P-1	190	3.3	<0.61	0.68	23	11	4.6	0.73
P-3	520	0.78	<0.61	1.1	2.4	0.97	2.4	0.67
P-4	<750	<3.0	<3.0	<3.0	<3.0	<3.0	5.0	<3.0
P-7	<150	<0.61	<0.61	<0.61	2.4	<0.61	2.5	0.86
P-12	290	<0.61	<0.61	1.0	3.2	1.3	20	0.77
P-14	<150	<0.61	<0.61	<0.61	1.0	<0.61	0.98	3.8
NR 170 Preventive Action Limit	NA	1.0	0.5	10	130	1.5	20	10
NR 170 Enforcement Standard Limit	NA	10	5.0	100	1300	15	100	50

Beck Aluminum Racine
Pre-Remedial Soil Results

November 24, 2010										
Location	Soil Boring Depth	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Selenium	PCB's
	Soil Analysis (mg/kg)									
MW-2	2-4'	20,000	<3.1	0.72	28	32	16	29	<5.0	Not Tested
	4-6'	12,000	**2.9**	0.54	21	24	11	21	6	Not Tested
	6-8'	6,800	<2.9	0.27	14	14	8.6	13	<4.6	Not Tested
	8-10'	3,200	**4.7**	0.21	9.1	9.1	6.7	6.7	8.1	Not Tested
	10-12'	3,600	<3.0	0.24	9.5	10	7.1	8.9	9.8	Not Tested
	12-14'	7,200	**6.2**	0.2	15	16	10	20	<4.5	Not Tested
	Soil Analysis (mg/kg)									
MW-3	0.5-2'	7,100	**7**	1.9	33	160	54	23	<4.3	<0.018
	2-4'	3,500	**3.5**	1.5	21	59	71	14	<4.9	<0.019
	4-6'	17,000	<3.6	0.8	27	31	22	27	<5.7	<0.022
	6-8'	6,700	<2.8	0.35	15	14	10	14	<4.5	<0.020
	8-10'	3,600	**7.3**	0.15	9.7	14	8	8.7	<4.9	Not Tested
	10-12'	3,300	**8.5**	0.34	11	12	6.1	8.4	6.8	Not Tested
	12-14'	4,800	**6.9**	0.27	11	14	2.3	12	<4.4	Not Tested
	14-16'	7,000	**4.1**	0.34	15	16	9.4	19	4.9	Not Tested
Not Established										

Beck Aluminum Racine
Pre-Remedial Soil Results

November 24, 2010										
Location	Soil Boring Depth	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Selenium	PCB's
	Soil Analysis (mg/kg)									
MW-2	2-4'	20,000	<3.1	0.72	28	32	16	29	<5.0	Not Tested
	4-6'	12,000	**2.9**	0.54	21	24	11	21	6	Not Tested
	6-8'	6,800	<2.9	0.27	14	14	8.6	13	<4.6	Not Tested
	8-10'	3,200	**4.7**	0.21	9.1	9.1	6.7	6.7	8.1	Not Tested
	10-12'	3,600	<3.0	0.24	9.5	10	7.1	8.9	9.8	Not Tested
	12-14'	7,200	**6.2**	0.2	15	16	10	20	<4.5	Not Tested
	Soil Analysis (mg/kg)									
MW-3	0.5-2'	7,100	**7**	1.9	33	160	54	23	<4.3	<0.018
	2-4'	3,500	**3.5**	1.5	21	59	71	14	<4.9	<0.019
	4-6'	17,000	<3.6	0.8	27	31	22	27	<5.7	<0.022
	6-8'	6,700	<2.8	0.35	15	14	10	14	<4.5	<0.020
	8-10'	3,600	**7.3**	0.15	9.7	14	8	8.7	<4.9	Not Tested
	10-12'	3,300	**8.5**	0.34	11	12	6.1	8.4	6.8	Not Tested
	12-14'	4,800	**6.9**	0.27	11	14	2.3	12	<4.4	Not Tested
	14-16'	7,000	**4.1**	0.34	15	16	9.4	19	4.9	Not Tested
Not Established										

A.3

Post-remedial Soil Analytical Tables

Not applicable as no remedial action occurred

Residual Contaminant Levels:

Contaminant	Soil RCL, mg/kg	GW RCL, mg/kg
Aluminum	77,500	601.2
Arsenic	0.39	0.584
Cadmium	70	0.752
Chromium	100,000	360,000
Copper	3,130	91.6
Lead	400	27
Nickel	838	13
Selenium	391	0.52

3 Soil Contaminants Found Exceeding Residual Contaminant Levels:

Arsenic Results, mg/kg

Depth	Soil Boring Location															
	P-1	**P-2**	**P-3**	**P-4**	**P-5**	**P-6**	**P-7**	**P-8**	**P-9**	**P-10**	**P-11**	**P-12**	**P-13**	**P-14**	**P-15**	**P-16**
0-2 '	7.3	9.2	4.8	12.0	14.0	5.8	7.9	17.0	4.3	8.3	5.8	12.0	4.1	8.3	1.5	
2-4 '	6.1	13.0	13.0	9.6	62.0	18.0	16.0	13.0	15.0	7.0	6.3	12.0	14.0	17.0	<1.7	<1.6
4-6 '	4.9	6.3	5.9	3.8	3.6	2.1	1.9	<1.8	4.2	4.7	3.3	3.9	5.2	3.4	2.7	13.0
6-8 '	8.3	3.9	2.4	3.1	8.4	6.8	4.9	1.9	3.0	3.1	<1.8	7.0	<1.6	9.3	3.7	6.8
8-10 '	8.3	3.5	3.3	2.3	8.1	11.0	8.9	8.6	5.8	5.9	3.5	2.0	3.3	6.2	5.7	6.8
10-12 '	3.2	5.2	2.3	7.5	12.0	7.0	5.5	1.7	6.7	4.2	5.3	4.6	3.0	6.5	3.4	4.9
12-14 '	7.4			8.3							6.6					
14-16 '	5.7			5.2							7.1					

Lead Results, mg/kg

Depth	P-1
6-8'	1500.0

Nickel Results, mg/kg

Depth	P-6
2-4'	3700.0

Complete List of Soil Results:

Aluminum Results, mg/kg

	Soil Boring Location															
Depth	**P-1**	**P-2**	**P-3**	**P-4**	**P-5**	**P-6**	**P-7**	**P-8**	**P-9**	**P-10**	**P-11**	**P-12**	**P-13**	**P-14**	**P-15**	**P-16**
0-2 '	7,200	4,600	3,900	14,000	3,400	15,000	4,600	3,000	6,700	2,700	1,100	5,600	1,600	3,100	5,900	
2-4 '	5,500	5,100	3,000	13,000	5,500	3,000	2,600	5,500	2,800	4,400	4,100	7,400	17,000	3,900	15,000	8,000
4-6 '	6,800	5,800	17,000	1,300	15,000	18,000	14,000	15,000	17,000	11,000	7,100	9,900	8,000	6,300	16,000	10,000
6-8 '	2,100	17,000	9,900	3,400	8,600	13,000	8,600	12,000	8,200	5,800	13,000	8,000	3,700	5,600	10,000	5,300
8-10 '	13,000	8,100	7,800	15,000	11,000	7,500	5,800	5,100	2,700	5,700	7,600	6,100	4,800	3,600	6,400	5,300
10-12 '	6,700	6,800	5,800	8,900	7,700	4,100	5,600	1,400	5,200	9,400	5,700	2,300	2,400	2,200	2,000	6,600
12-14 '	6,500			4,100							4,400					
14-16 '	4,500			5,200							7,100					

(~ Denotes groundwater results below RCL, mg/kg)

Arsenic Results, mg/kg

	Soil Boring Location															
Depth	**P-1**	**P-2**	**P-3**	**P-4**	**P-5**	**P-6**	**P-7**	**P-8**	**P-9**	**P-10**	**P-11**	**P-12**	**P-13**	**P-14**	**P-15**	**P-16**
0-2 '	7.3	9.2	4.8	12.0	14.0	5.8	7.9	17.0	4.3	8.3	5.8	12.0	4.1	8.3	1.5	
2-4 '	6.1	13.0	13.0	9.6	62.0	18.0	16.0	13.0	15.0	7.0	6.3	12.0	14.0	17.0	<1.7	<1.6
4-6 '	4.9	6.3	5.9	3.8	3.6	2.1	1.9	<1.8	4.2	4.7	3.3	3.9	5.2	3.4	2.7	13.0
6-8 '	8.3	3.9	2.4	3.1	8.4	6.8	4.9	1.9	3.0	3.1	<1.8	7.0	<1.6	9.3	3.7	6.8
8-10 '	8.3	3.5	3.3	2.3	8.1	11.0	8.9	8.6	5.8	5.9	3.5	2.0	3.3	6.2	5.7	6.8
10-12 '	3.2	5.2	2.3	7.5	12.0	7.0	5.5	1.7	6.7	4.2	5.3	4.6	3.0	6.5	3.4	4.9
12-14 '	7.4			8.3							6.6					
14-16 '	5.7			5.2							7.1					

(~ Denotes groundwater results below RCL, mg/kg)

Cadmium Results, mg/kg

Depth	Soil Boring Location															
	P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	P-14	P-15	P-16
0-2 '	1.20	~	~	1.80	~	6.40	3.90	1.90	~	0.78	~	1.60	~	0.83	~	
2-4 '	1.00	12.00	1.00	1.90	2.20	2.70	1.00	1.50	1.60	~	0.76	~	1.20	1.60	1.10	~
4-6 '	~	0.86	1.10	~	1.20	1.00	0.75	0.80	1.00	~	2.30	~	~	~	0.96	~
6-8 '	1.80	0.97	~	~	28.00	0.77	~	~	~	~	~	~	~	~	~	~
8-10 '	0.79	~	~	0.76	~	~	~	~	~	~	~	~	~	~	~	~
10-12 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
12-14 '	~			~							~					
14-16 '	~			~							~					

(~ Denotes groundwater results below RCL, mg/kg)

Chromium Results, mg/kg

Depth	Soil Boring Location															
	P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	P-14	P-15	P-16
0-2 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	
2-4 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
4-6 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
6-8 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
8-10 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
10-12 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
12-14 '	~			~							~					
14-16 '	~			~							~					

(~ Denotes groundwater results below RCL, mg/kg)

Copper Results, mg/kg

Depth	Soil Boring Location															
	P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	P-14	P-15	P-16
0-2 '	200	~	~	130	~	380	~	~	210	~	~	~	~	~	~	
2-4 '	230	150	~	260	~	99	~	~	~	~	~	~	~	~	~	~
4-6 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
6-8 '	1,300	27-	~	~	~	~	~	~	~	~	~	~	~	~	~	~

8-10 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
10-12 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
12-14 '	~			~							~					
14-16 '	~			~							~					

(~ Denotes groundwater results below RCL, mg/kg)

Lead Results, mg/kg

	Soil Boring Location															
Depth	**P-1**	**P-2**	**P-3**	**P-4**	**P-5**	**P-6**	**P-7**	**P-8**	**P-9**	**P-10**	**P-11**	**P-12**	**P-13**	**P-14**	**P-15**	**P-16**
0-2 '	81.0	350.0	~	210.0	39.0	50.0	56.0	~	~	39.0	~	83.0	~	36.0	~	
2-4 '	75.0	240.0	~	78.0	120.0	180.0	64.0	27.0	~	~	53.0	41.0	~	33.0	~	~
4-6 '	45.0	~	~	~	40.0	~	~	~	~	~	57.0	~	~	~	~	~
6-8 '	**1,500.0**	~	~	~	330.0	~	~	~	~	~	~	~	~	~	~	~
8-10 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
10-12 '	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
12-14 '	~			~							~					
14-16 '	~			~							~					

(~ Denotes groundwater results below RCL, mg/kg)

Nickel Results, mg/kg

	Soil Boring Location															
Depth	**P-1**	**P-2**	**P-3**	**P-4**	**P-5**	**P-6**	**P-7**	**P-8**	**P-9**	**P-10**	**P-11**	**P-12**	**P-13**	**P-14**	**P-15**	**P-16**
0-2 '	34.0	14.0	~	18.0	37.0	27.0	13.0	30.0	~	~	~	31.0	~	14.0	~	
2-4 '	18.0	33.0	~	25.0	24.0	**3,700.0**	20.0	~	~	~	~	26.0	33.0	14.0	24.0	~
4-6 '	15.0	14.0	29.0	~	27.0	32.0	23.0	25.0	30.0	22.0	~	19.0	15.0	~	28.0	26.0
6-8 '	15.0	27.0	20.0	~	19.0	26.0	18.0	22.0	16.0	14.0	22.0	18.0	~	19.0	19.0	14.0
8-10 '	27.0	17.0	19.0	26.0	24.0	19.0	16.0	14.0	13.0	15.0	17.0	14.0	~	~	14.0	14.0
10-12 '	15.0	16.0	16.0	18.0	19.0	14.0	14.0	~	17.0	22.0	13.0	~	~	~	~	15.0
12-14 '	16.0			~							17.0					
14-16 '	14.0			13.0							19.0					

(~ Denotes groundwater results below RCL, mg/kg)

Selenium Results, mg/kg

Depth	Soil Boring Location															
	P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	P-14	P-15	P-16
0-2 '	<4.3	<4.4	<4.5	<4.4	<4.3	4.9	<4.6	<4.3	<4.3	<4.2	<4.2	<4.1	<4.0	<4.9	<4.3	
2-4 '	<4.4	<4.6	<4.5	<4.2	<4.1	<4.7	<5.0	<4.0	<4.4	<4.6	<4.5	<4.5	<4.9	<4.5	<4.8	<4.6
4-6 '	<4.7	<4.6	<5.2	<4.4	<5.1	<4.9	<4.6	<5.2	<5.2	<4.7	<4.7	<5.0	<4.6	<4.5	<4.3	<4.7
6-8 '	<4.0	<5.2	<4.6	<4.6	<5.0	<4.7	<4.7	<5.0	<4.5	<4.5	<5.1	<4.3	<4.6	<5.0	<5.0	<4.5
8-10 '	<4.8	<4.5	<4.6	<5.0	<4.9	<4.3	<4.7	<4.4	<4.6	<4.3	<4.4	<4.5	<4.7	<4.5	<4.6	<4.5
10-12 '	<4.9	<4.5	<4.7	<4.9	<4.3	<4.4	<4.4	<4.3	<4.3	<4.9	<4.7	<5.0	<4.2	<4.6	<4.5	<4.6
12-14 '	<4.6			<4.6							<4.7					
14-16 '	<4.8			<4.7							<4.3					

(~ Denotes groundwater results below RCL, mg/kg)

A.5

Vapor Analytical Tables

Not applicable as no vapor assessment was performed due to contamination being RCRA metals

A.6

Other Media of Concern

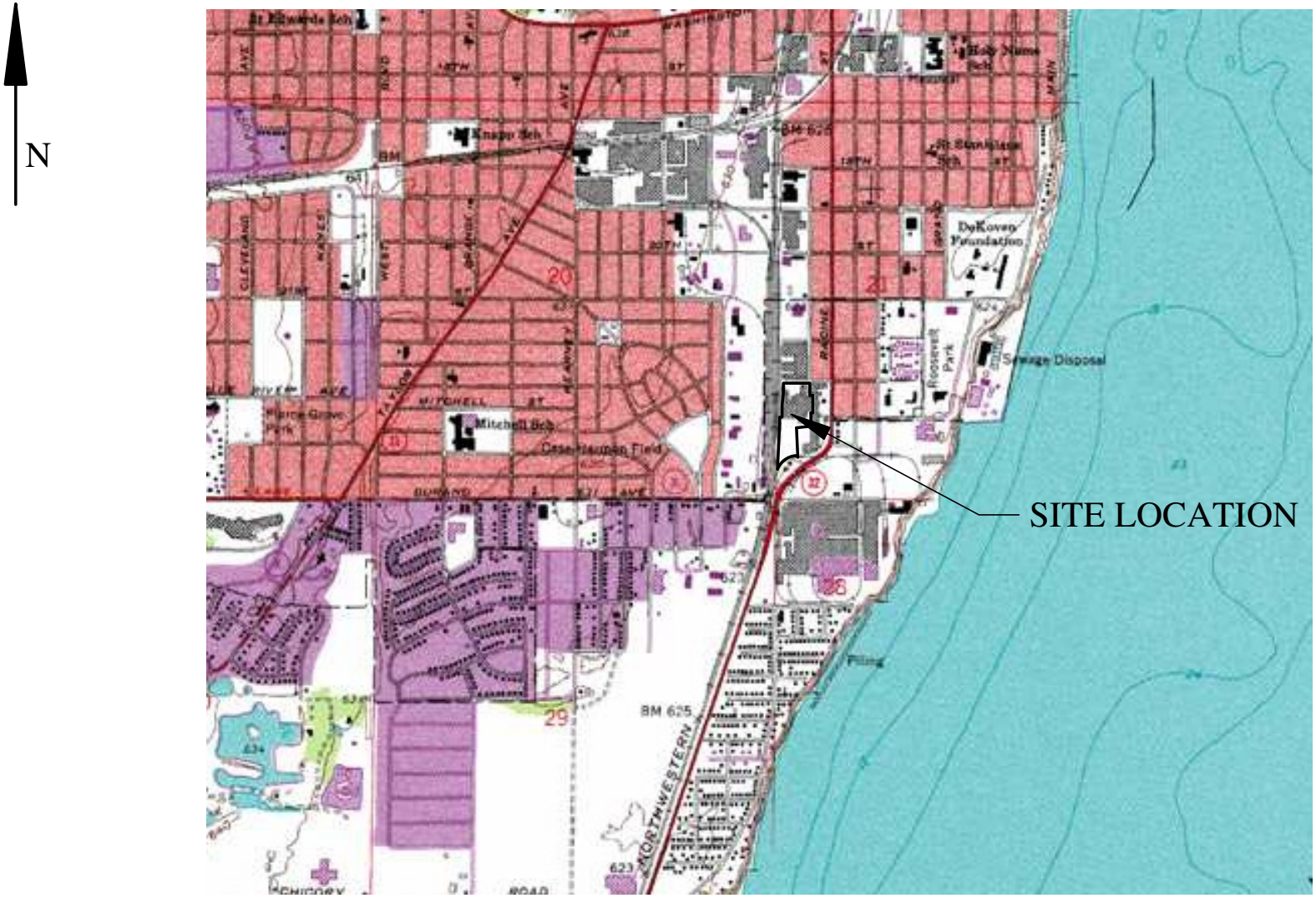
Not applicable due to no other media of concern was identified

TABLE 1
STATIC GROUNDWATER ELEVATION MEASUREMENTS

Beck Aluminum, Inc.
Racine, Wisconsin
1E-1010005

Monitoring Well	Top of Casing Elevation(ft)	Screen Elevation(ft)	Ground Surface Elevation (ft)	Depth to Groundwater from top of Casing(ft)	Groundwater Elevation (ft)	Date of Measurement
MW-1	100.55	96.55	100.74	6.40	94.15	11/24/2010
		86.55		4.70	95.85	06/30/2011
				5.22	95.33	01/13/2012
MW-2	101.39	97.39	101.71	6.14	95.25	11/24/2010
		87.39		5.27	96.12	06/30/2011
				5.78	95.61	01/13/2012
MW-3	101.76	96.76	102.05	5.22	96.54	11/24/2010
		86.76		4.62	97.14	06/30/2011
				4.79	96.97	01/13/2012
MW-4	101.41	96.41	101.63	6.24	95.17	11/24/2010
		86.41		7.50	93.91	06/30/2011
				7.82	93.59	01/13/2012
MW-5	104.56	99.56	104.86	9.86	94.70	11/24/2010
		89.56		8.08	96.48	06/30/2011
				8.77	95.79	01/13/2012
MW-6	101.64	97.64	101.83	5.39	96.25	11/24/2010
		87.64		4.05	97.59	06/30/2011
				4.66	96.98	01/13/2012

Notes:
Benchmark: north rim of Sanitary Sewer Cover located in the center of 23rd Street, north of the Beck Aluminum, Inc. office building . Assumed elevation of 100.00 feet.



FROM USGS TOPOGRAPHICAL MAP
RACINE SOUTH QUADRANGLE MAP
WISCONSIN, RACINE COUNTY

BECK ALUMINUM RACINE MOUNT PLEASANT, WI	DRAWING 1
SITE INVESTIGATION REPORT	SCALE: 1" = 10'
SITE LOCATION MAP	DATE: 05/24/2012
PREPARED BY: M. MARSH	
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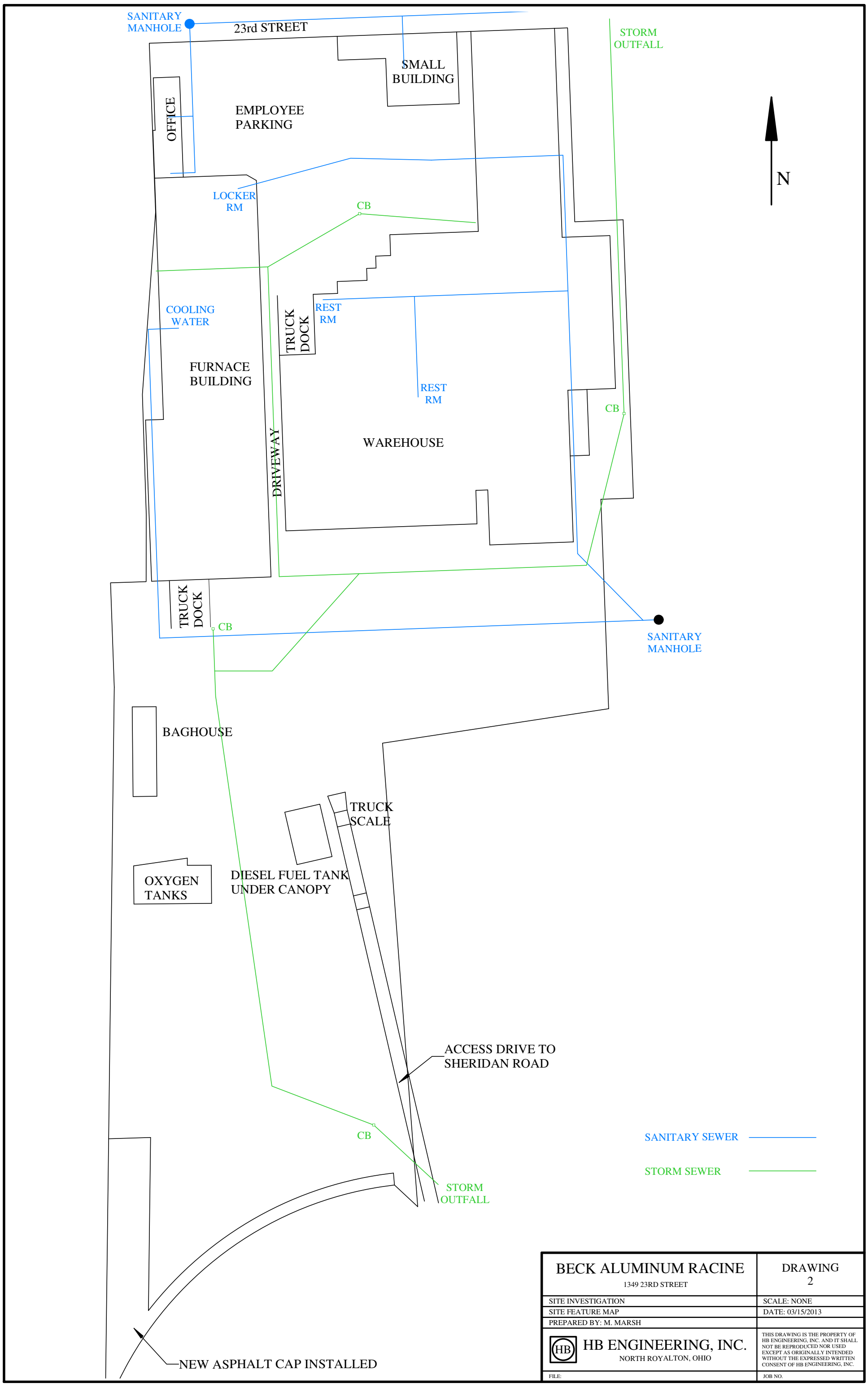
FILE:	JOB NO.


SANITARY MANHOLE
23rd STREET
STORM OUTFALL
SMALL BUILDING
OFFICE
EMPLOYEE PARKING
N
LOCKER RM
CB
COOLING WATER
TRUCK DOCK
REST RM
FURNACE BUILDING
REST RM
CB
WAREHOUSE
DRIVEWAY
TRUCK DOCK
CB
SANITARY MANHOLE
BAGHOUSE
TRUCK SCALE
OXYGEN TANKS
DIESEL FUEL TANK UNDER CANOPY
ACCESS DRIVE TO SHERIDAN ROAD
CB
SANITARY SEWER
STORM SEWER
STORM OUTFALL
NEW ASPHALT CAP INSTALLED
BECK ALUMINUM RACINE
1349 23RD STREET
DRAWING 2
SITE INVESTIGATION
SCALE: NONE
SITE FEATURE MAP
DATE: 03/15/2013
PREPARED BY: M. MARSH
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NORTH ROYALTON, OHIO
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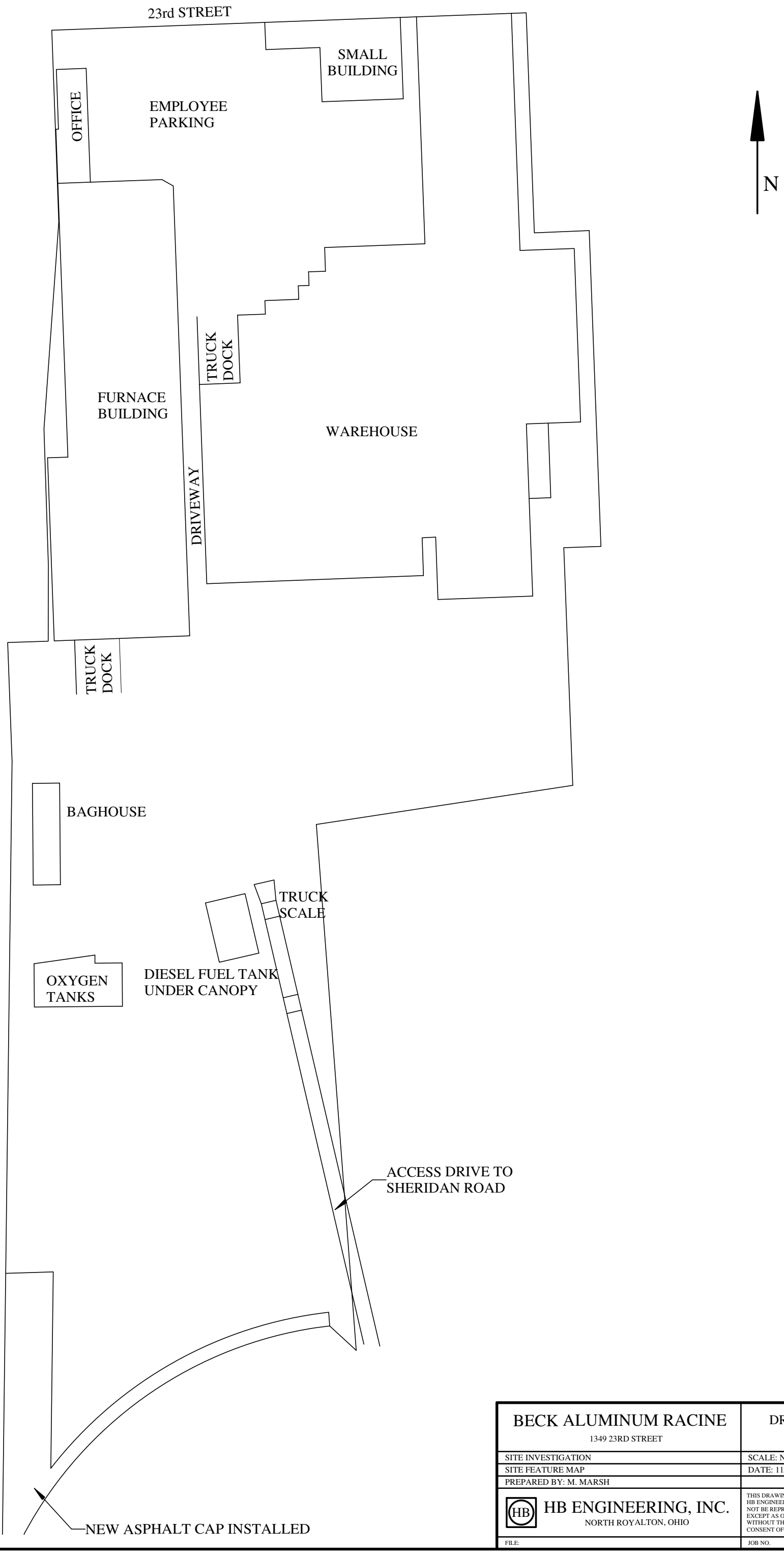

BECK ALUMINUM RACINE 1349 23RD STREET	DRAWING 2
SITE INVESTIGATION	SCALE: NONE
SITE FEATURE MAP	DATE: 11/1/2010
PREPARED BY: M. MARSH	
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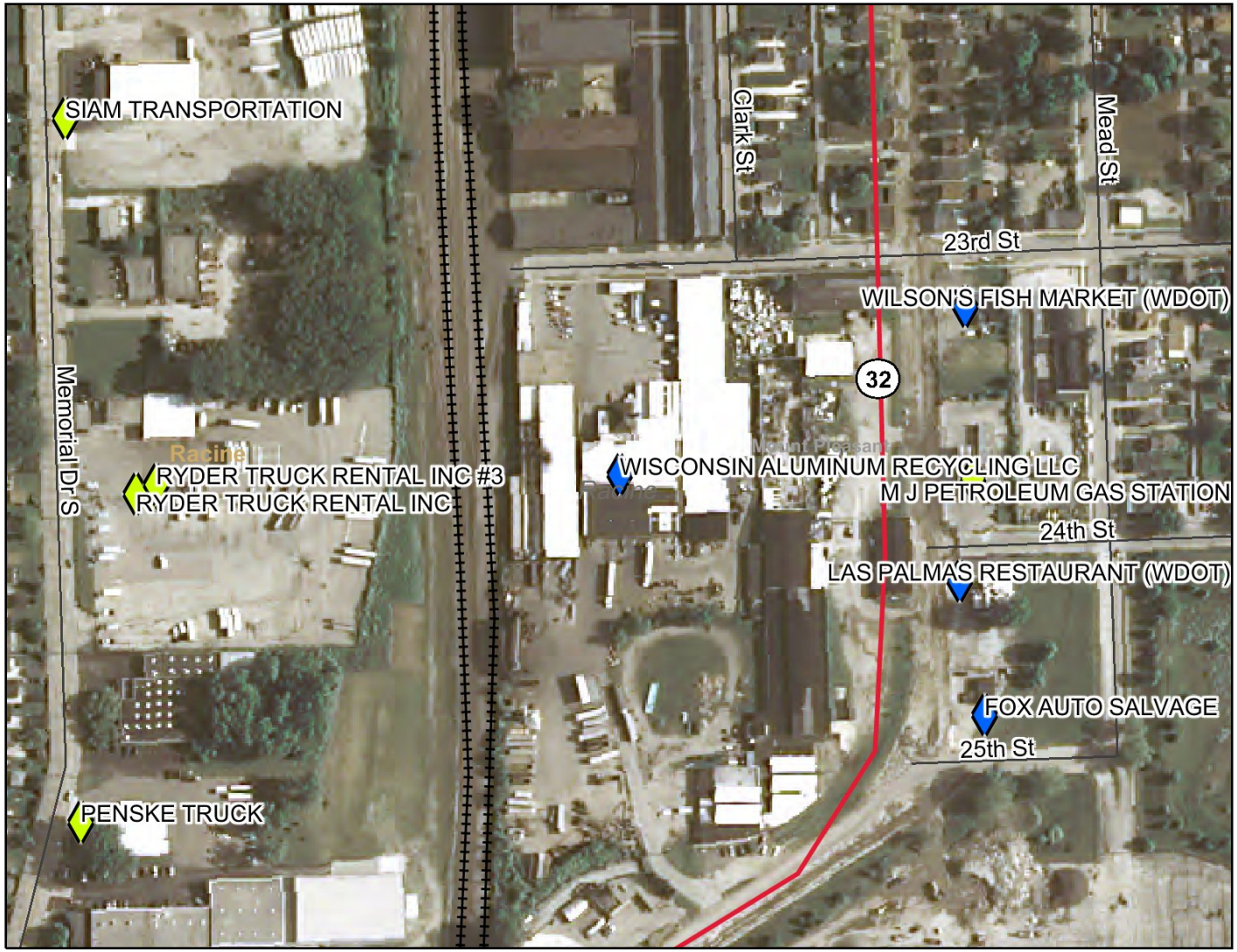
FILE:	JOB NO.

Map Created on Feb 27, 2013



Legend

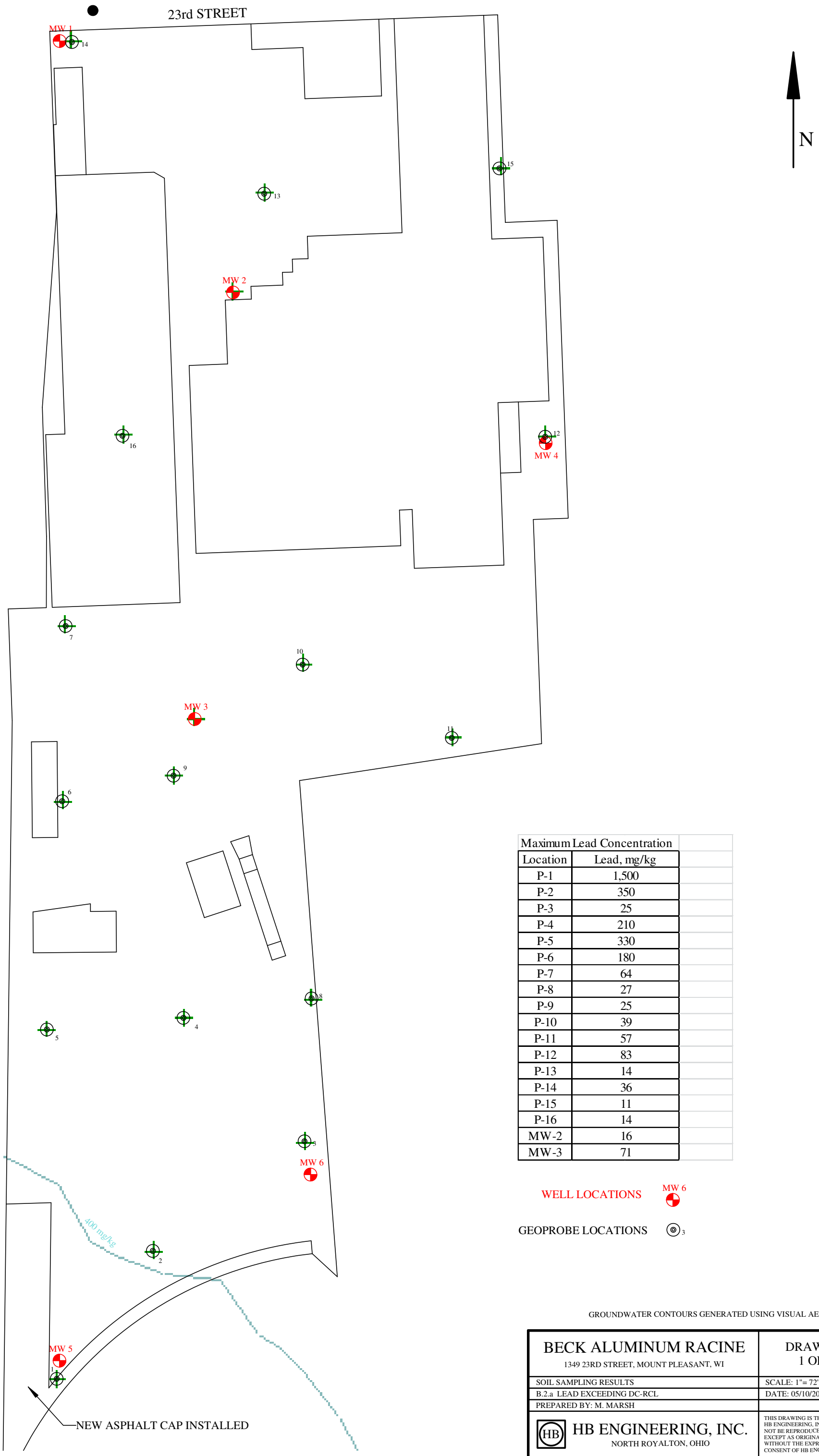
- Open Sites (ongoing cleanups)
- Open Sites (ongoing cleanups) - site boundaries shown
- Closed Sites (completed cleanups)
- Closed Sites (completed cleanups) - site boundaries shown
- County Boundary
- Railroads
- County Roads (WDOT)
- County Trunk Highway
- State and U.S. Highways (WDOT)
- State Trunk Highway
- US Highway
- Interstate Highways (WDOT)
- Interstate Highway
- Local Roads (WDOT)
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Municipalities

0 325 650 975 ft.

Map created on Feb 27, 2013
Note: Not all RR Sites have been geo-located yet.

Scale: 1:3,347

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.



Maximum Lead Concentration	
Location	Lead, mg/kg
P-1	1,500
P-2	350
P-3	25
P-4	210
P-5	330
P-6	180
P-7	64
P-8	27
P-9	25
P-10	39
P-11	57
P-12	83
P-13	14
P-14	36
P-15	11
P-16	14
MW-2	16
MW-3	71

GROUNDWATER CONTOURS GENERATED USING VISUAL AEM V1.04

BECK ALUMINUM RACINE 1349 23RD STREET, MOUNT PLEASANT, WI	DRAWING 1 OF 2
SOIL SAMPLING RESULTS	SCALE: 1"= 72'
B.2.a LEAD EXCEEDING DC-RCL	DATE: 05/10/2013
PREPARED BY: M. MARSH	
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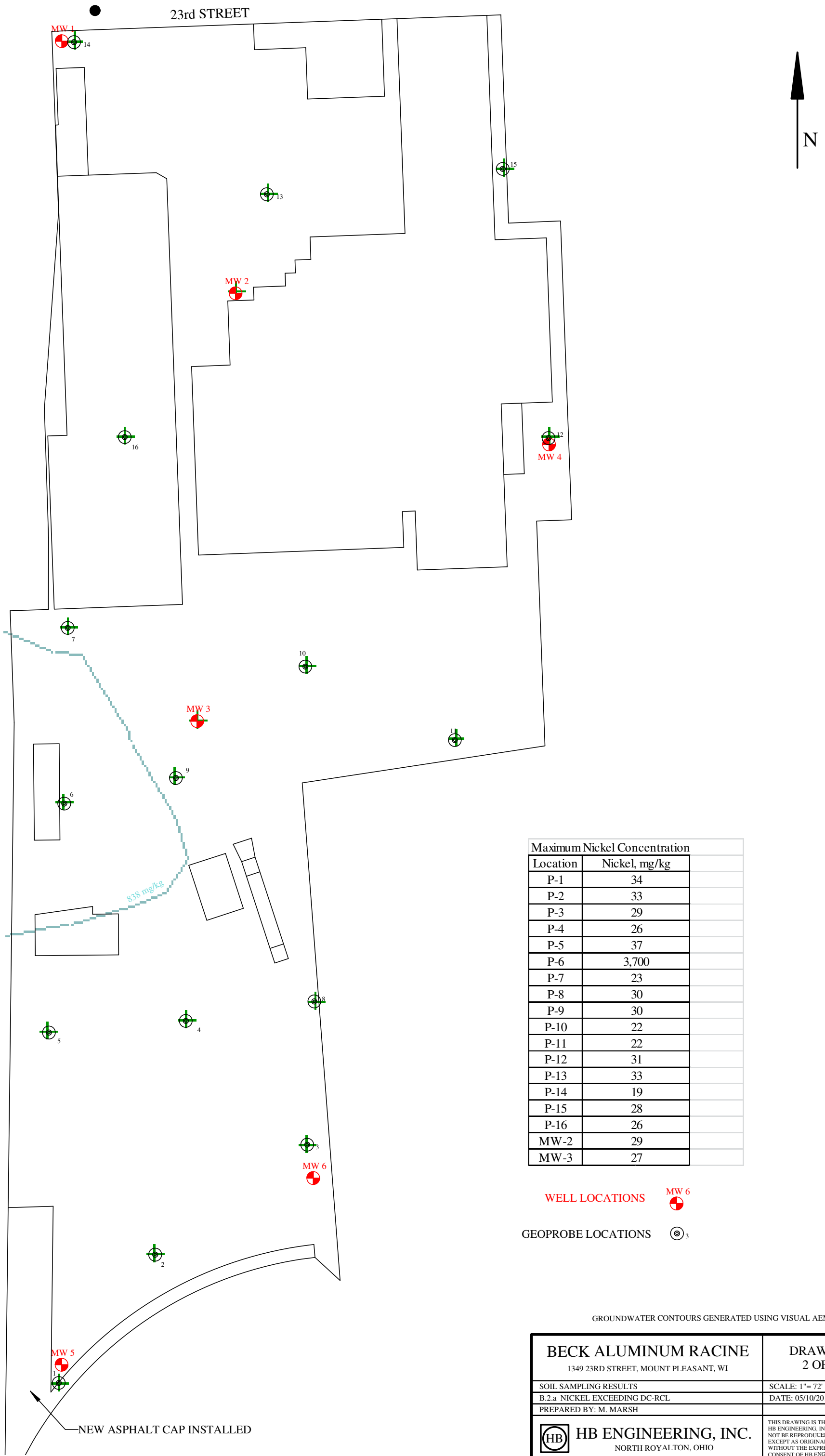
FILE:	JOB NO.



Maximum Nickel Concentration

Location	Nickel, mg/kg
P-1	34
P-2	33
P-3	29
P-4	26
P-5	37
P-6	3,700
P-7	23
P-8	30
P-9	30
P-10	22
P-11	22
P-12	31
P-13	33
P-14	19
P-15	28
P-16	26
MW-2	29
MW-3	27

GROUNDWATER CONTOURS GENERATED USING VISUAL AEM V1.04

BECK ALUMINUM RACINE
1349 23RD STREET, MOUNT PLEASANT, WI

DRAWING 2 OF 2

SOIL SAMPLING RESULTS
B.2.a NICKEL EXCEEDING DC-RCL
PREPARED BY: M. MARSH

SCALE: 1"= 72'
DATE: 05/10/2013

HB ENGINEERING, INC.
NORTH ROYALTON, OHIO

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FILE:
JOB NO.

B.2.b

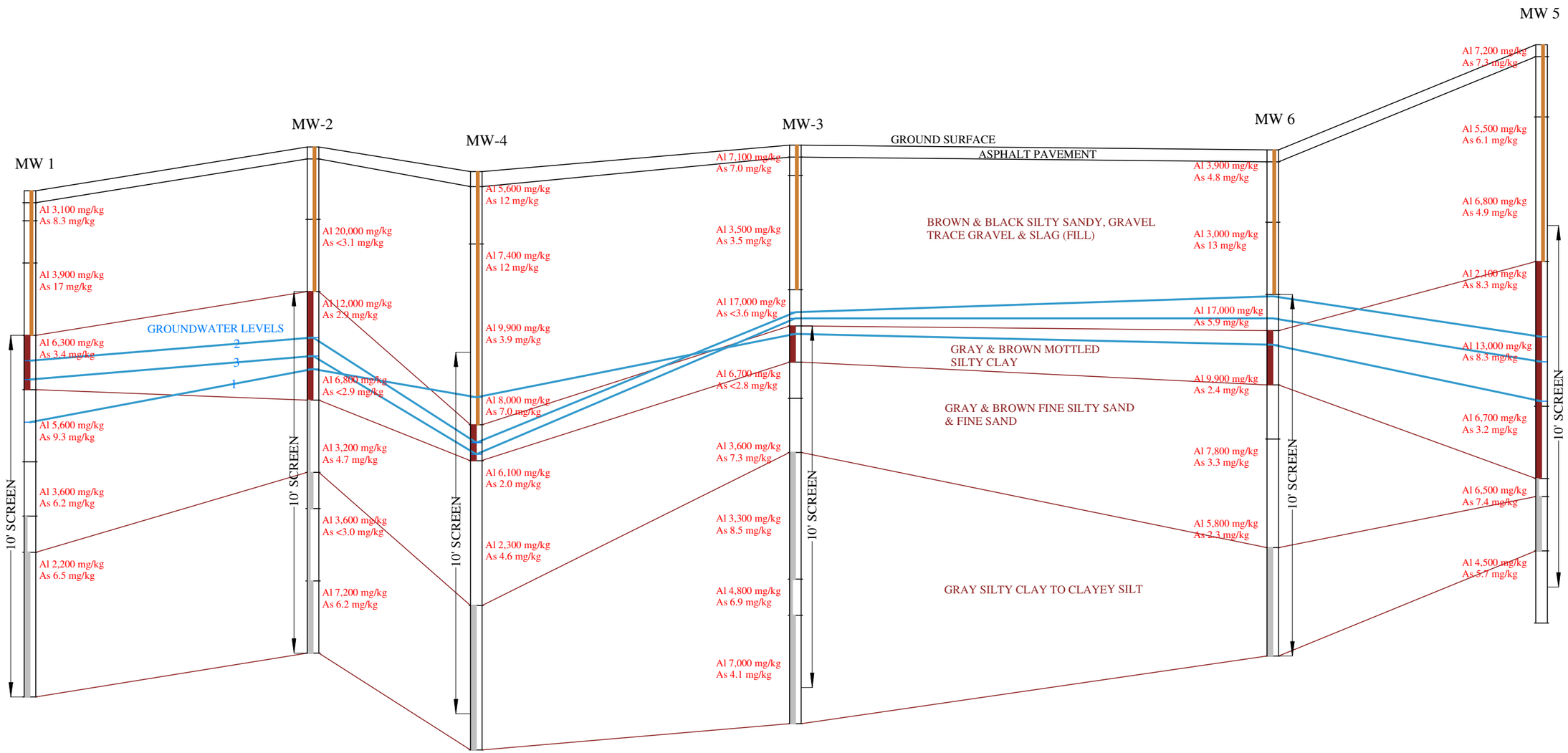
Post Remedial Soil Contamination

Not applicable as no remedial action occurred

B.2.c

Pre/Post Remedial Soil Contamination

Not applicable as no remedial action occurred



GROUNDWATER LEVELS

1 - NOVEMBER 24, 2010 SAMPLING EVENT
2 - JUNE 30, 2011 SAMPLING EVENT
3 - JANUARY 13, 2012 SAMPLING EVENT

SOIL ANALYSIS, ALUMINUM & ARSENIC

NOVEMBER 2009 SOIL BORINGS, WELLS 1, 4, 5, 6
NOVEMBER 2010 SOIL BORINGS, WELLS 2, 3

BECK ALUMINUM RACINE 1349 23RD STREET, MOUNT PLEASANT, WI	DRAWING 4
SITE INVESTIGATION REPORT	SCALE: NA
MONITORING WELLS, VERTICAL SOIL PROFILE	DATE: 06/13/2012
PREPARED BY: M. MARSH	
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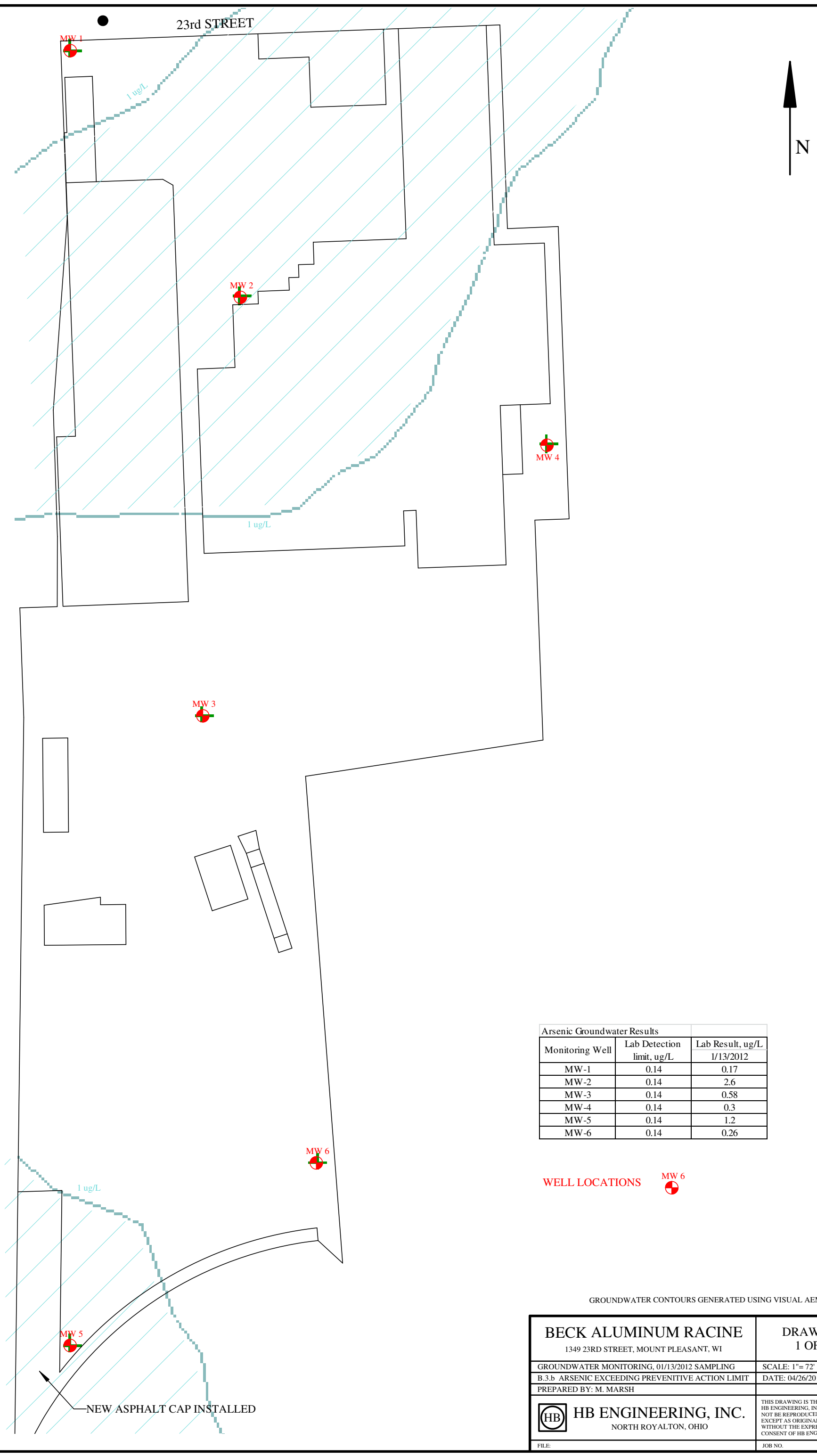

Arsenic Groundwater Results		
Monitoring Well	Lab Detection limit, ug/L	Lab Result, ug/L 1/13/2012
MW-1	0.14	0.17
MW-2	0.14	2.6
MW-3	0.14	0.58
MW-4	0.14	0.3
MW-5	0.14	1.2
MW-6	0.14	0.26

WELL LOCATIONS MW 6

GROUNDWATER CONTOURS GENERATED USING VISUAL AEM V1.04

BECK ALUMINUM RACINE 1349 23RD STREET, MOUNT PLEASANT, WI	DRAWING 1 OF 3
GROUNDWATER MONITORING, 01/13/2012 SAMPLING	SCALE: 1"= 72'
B.3.b ARSENIC EXCEEDING PREVENITIVE ACTION LIMIT	DATE: 04/26/2013
PREPARED BY: M. MARSH	
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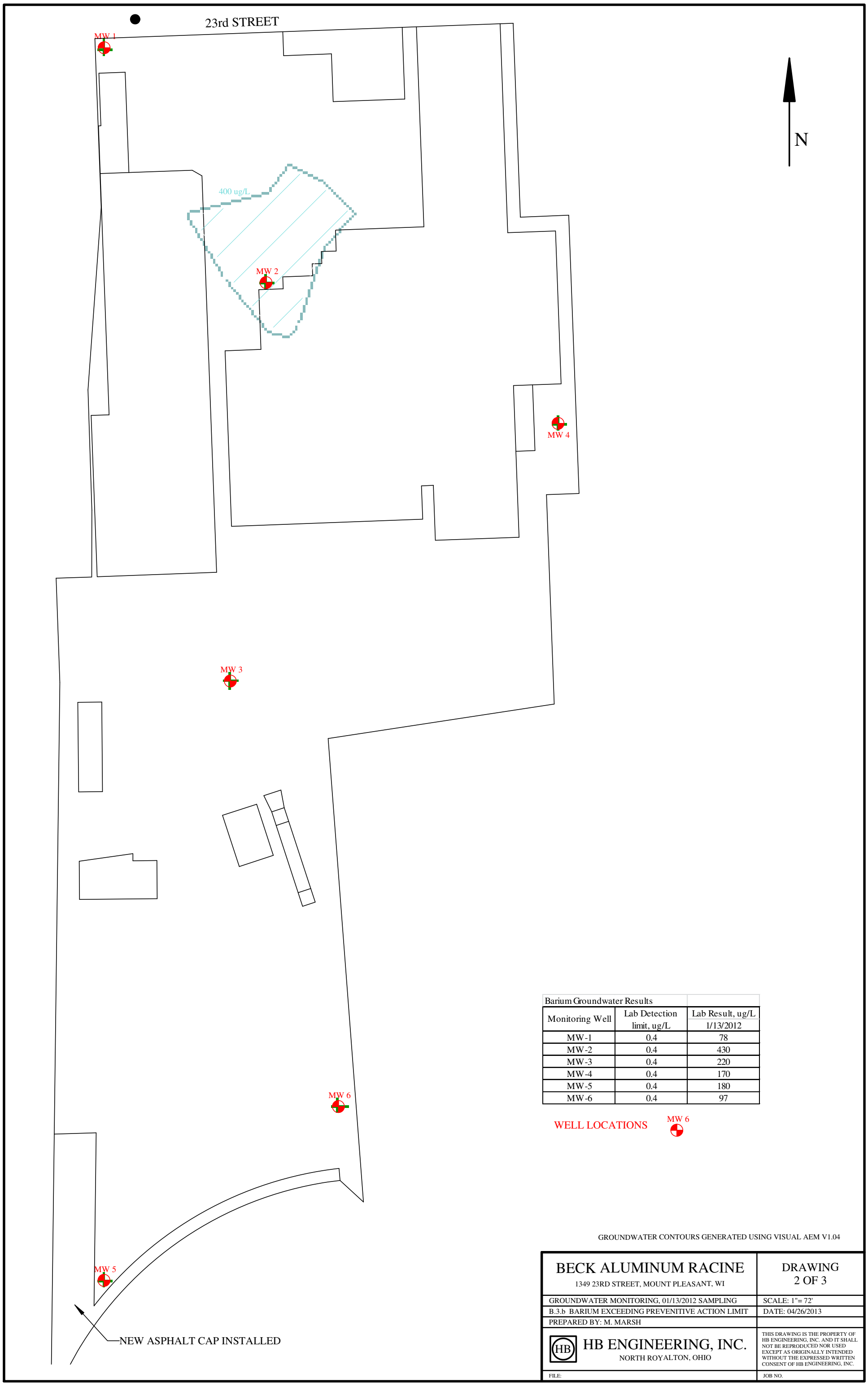
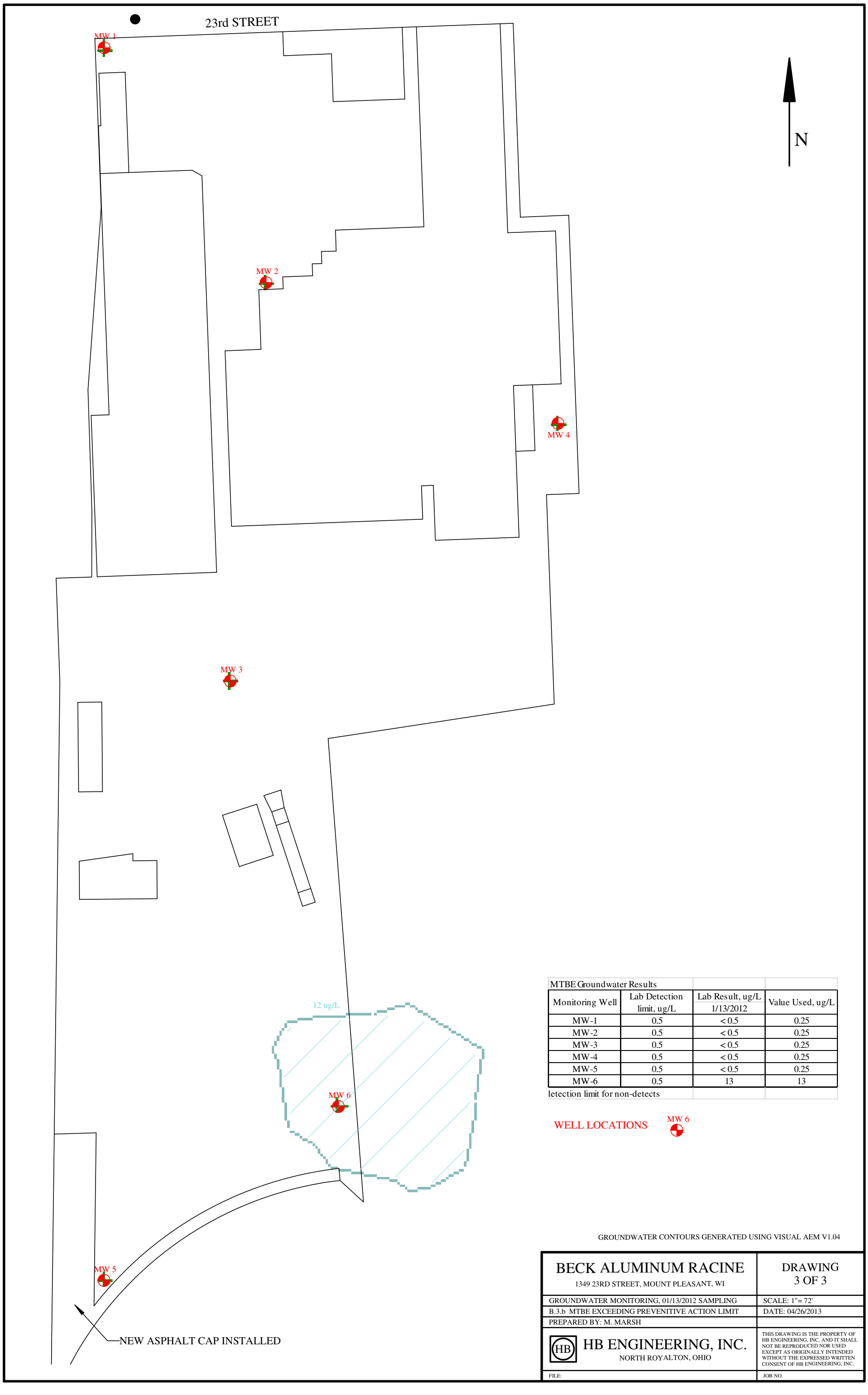
FILE:	JOB NO.



Barium Groundwater Results		
Monitoring Well	Lab Detection limit, ug/L	Lab Result, ug/L 1/13/2012
MW-1	0.4	78
MW-2	0.4	430
MW-3	0.4	220
MW-4	0.4	170
MW-5	0.4	180
MW-6	0.4	97



MTBE Groundwater Results

Monitoring Well	Lab Detection limit, ug/L	Lab Result, ug/L 1/13/2012	Value Used, ug/L
MW-1	0.5	< 0.5	0.25
MW-2	0.5	< 0.5	0.25
MW-3	0.5	< 0.5	0.25
MW-4	0.5	< 0.5	0.25
MW-5	0.5	< 0.5	0.25
MW-6	0.5	13	13

letection limit for non-detects

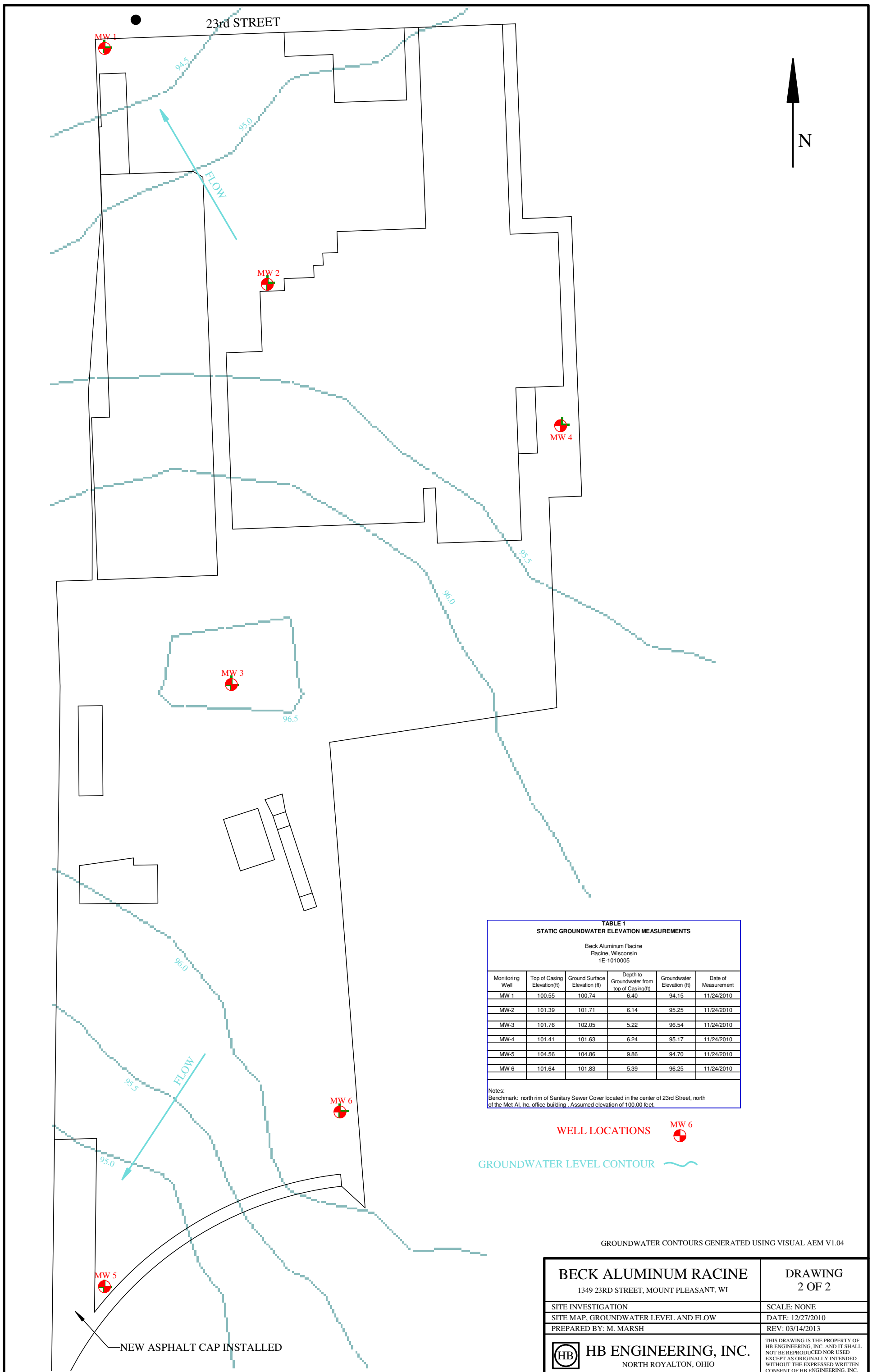


TABLE 1
STATIC GROUNDWATER ELEVATION MEASUREMENTS

Beck Aluminum Racine
Racine, Wisconsin
1E-1010005

Monitoring Well	Top of Casing Elevation(ft)	Ground Surface Elevation (ft)	Depth to Groundwater from top of Casing(ft)	Groundwater Elevation (ft)	Date of Measurement
MW-1	100.55	100.74	6.40	94.15	11/24/2010
MW-2	101.39	101.71	6.14	95.25	11/24/2010
MW-3	101.76	102.05	5.22	96.54	11/24/2010
MW-4	101.41	101.63	6.24	95.17	11/24/2010
MW-5	104.56	104.86	9.86	94.70	11/24/2010
MW-6	101.64	101.83	5.39	96.25	11/24/2010

Notes:
Benchmark: north rim of Sanitary Sewer Cover located in the center of 23rd Street, north of the Met-Al, Inc. office building . Assumed elevation of 100.00 feet.

GROUNDWATER CONTOURS GENERATED USING VISUAL AEM V1.04

BECK ALUMINUM RACINE 1349 23RD STREET, MOUNT PLEASANT, WI	DRAWING 2 OF 2
SITE INVESTIGATION	SCALE: NONE
SITE MAP, GROUNDWATER LEVEL AND FLOW	DATE: 12/27/2010
PREPARED BY: M. MARSH	REV: 03/14/2013
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FILE:	JOB NO.

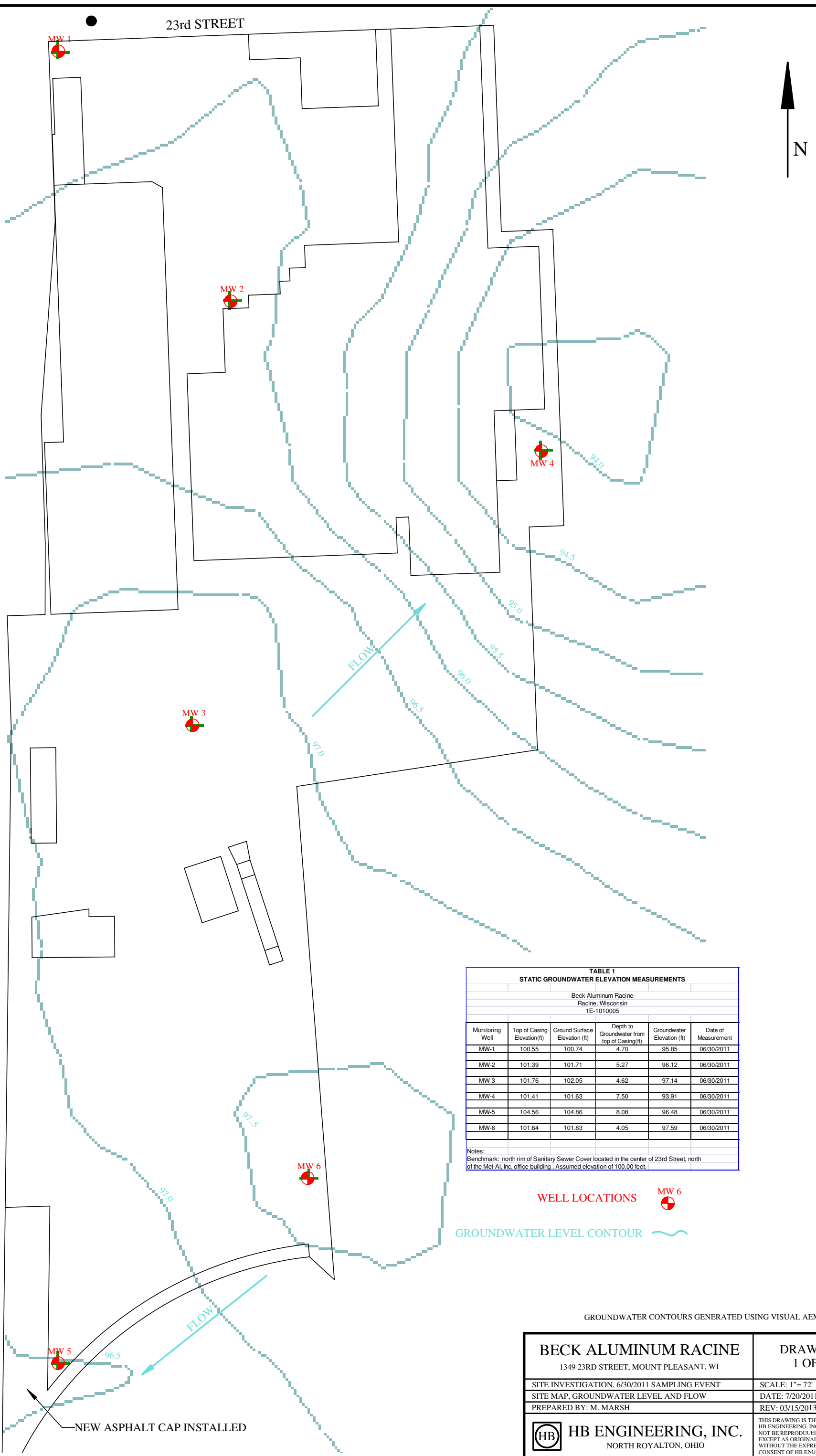


TABLE 1
STATIC GROUNDWATER ELEVATION MEASUREMENTS

Beck Aluminum Racine
Racine, Wisconsin
1E-1010005

Monitoring Well	Top of Casing Elevation(ft)	Ground Surface Elevation (ft)	Depth to Groundwater from top of Casing(ft)	Groundwater Elevation (ft)	Date of Measurement
MW-1	100.55	100.74	4.70	95.85	06/30/2011
MW-2	101.39	101.71	5.27	96.12	06/30/2011
MW-3	101.76	102.05	4.62	97.14	06/30/2011
MW-4	101.41	101.63	7.50	93.91	06/30/2011
MW-5	104.56	104.86	8.08	96.48	06/30/2011
MW-6	101.64	101.83	4.05	97.59	06/30/2011

Notes:
Benchmark: north rim of Sanitary Sewer Cover located in the center of 23rd Street, north of the Met-Al, Inc. office building . Assumed elevation of 100.00 feet.

GROUNDWATER CONTOURS GENERATED USING VISUAL AEM V1.04

BECK ALUMINUM RACINE 1349 23RD STREET, MOUNT PLEASANT, WI	DRAWING 1 OF 1
SITE INVESTIGATION, 6/30/2011 SAMPLING EVENT	SCALE: 1"= 72'
SITE MAP, GROUNDWATER LEVEL AND FLOW	DATE: 7/20/2011
PREPARED BY: M. MARSH	REV: 03/15/2013
HB ENGINEERING, INC. NORTH ROYALTON, OHIO	THIS DRAWING IS THE PROPERTY OF HB ENGINEERING, INC. AND IT SHALL NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED WRITTEN CONSENT OF HB ENGINEERING, INC.
FILE:	JOB NO.

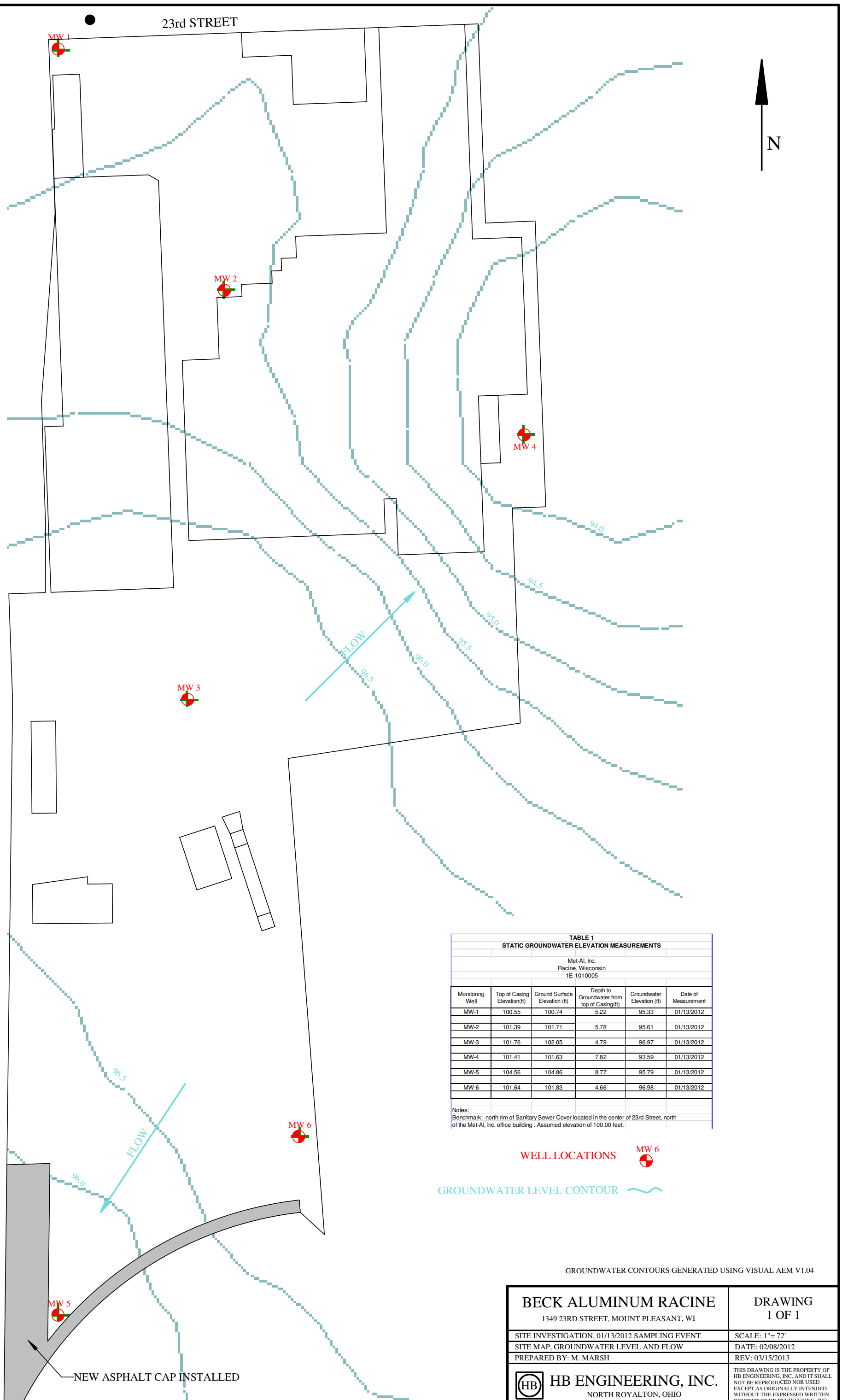


TABLE 1
STATIC GROUNDWATER ELEVATION MEASUREMENTS

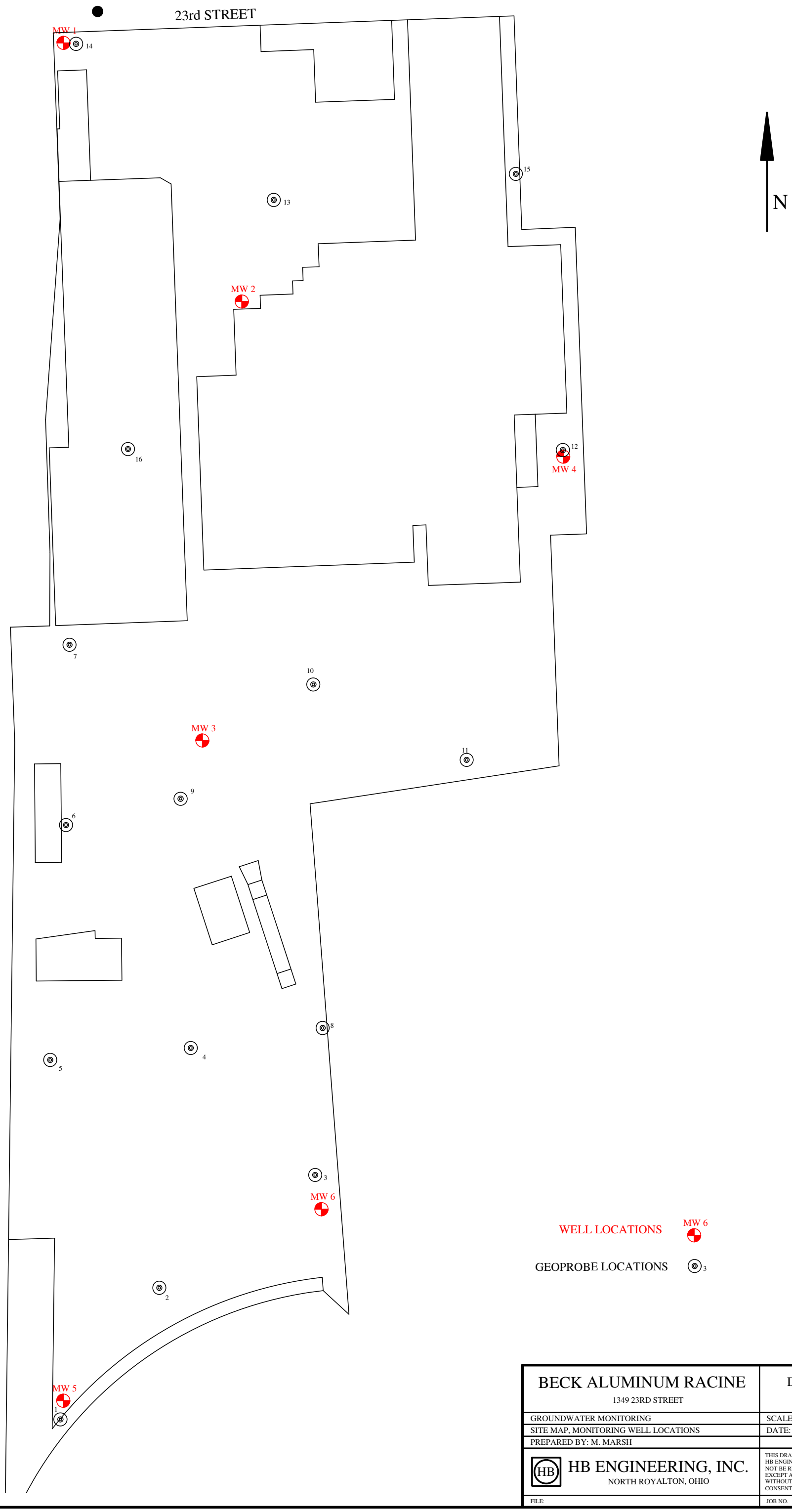
Met-Al, Inc.
Racine, Wisconsin
1E-1010005

Monitoring Well	Top of Casing Elevation(ft)	Ground Surface Elevation (ft)	Depth to Groundwater from top of Casing(ft)	Groundwater Elevation (ft)	Date of Measurement
MW-1	100.55	100.74	5.22	95.33	01/13/2012
MW-2	101.39	101.71	5.78	95.61	01/13/2012
MW-3	101.76	102.05	4.79	96.97	01/13/2012
MW-4	101.41	101.63	7.82	93.59	01/13/2012
MW-5	104.56	104.86	8.77	95.79	01/13/2012
MW-6	101.64	101.83	4.66	96.98	01/13/2012

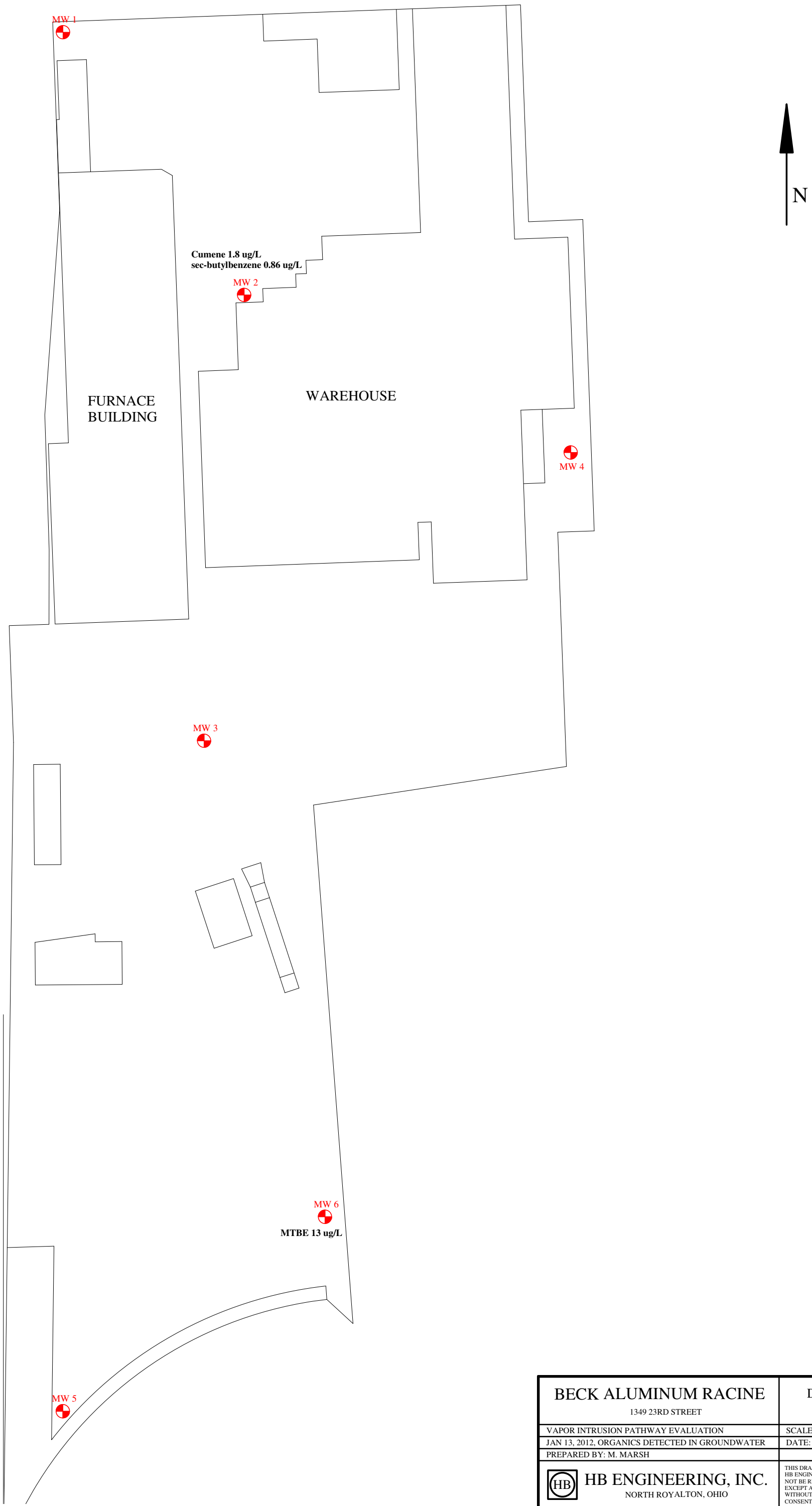
Notes:
Benchmark: north rim of Sanitary Sewer Cover located in the center of 23rd Street, north of the Met-Al, Inc. office building . Assumed elevation of 100.00 feet.

GROUNDWATER CONTOURS GENERATED USING VISUAL AEM V1.04

BECK ALUMINUM RACINE 1349 23RD STREET, MOUNT PLEASANT, WI	DRAWING 1 OF 1
SITE INVESTIGATION, 01/13/2012 SAMPLING EVENT	SCALE: 1"= 72'
SITE MAP, GROUNDWATER LEVEL AND FLOW	DATE: 02/08/2012
PREPARED BY: M. MARSH	REV: 03/15/2013
HB ENGINEERING, INC. NORTH ROYALTON, OHIO	THIS DRAWING IS THE PROPERTY OF HB ENGINEERING, INC. AND IT SHALL NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED WRITTEN CONSENT OF HB ENGINEERING, INC.
FILE:	JOB NO.



BECK ALUMINUM RACINE 1349 23RD STREET	DRAWING 3
GROUNDWATER MONITORING	SCALE: NONE
SITE MAP, MONITORING WELL LOCATIONS	DATE: 11/1/2010
PREPARED BY: M. MARSH	
HB ENGINEERING, INC. NORTH ROYALTON, OHIO	THIS DRAWING IS THE PROPERTY OF HB ENGINEERING, INC. AND IT SHALL NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED WRITTEN CONSENT OF HB ENGINEERING, INC.
FILE:	JOB NO.



BECK ALUMINUM RACINE 1349 23RD STREET	DRAWING V-1
VAPOR INTRUSION PATHWAY EVALUATION	SCALE: NONE
JAN 13, 2012, ORGANICS DETECTED IN GROUNDWATER	DATE: 03/15/2013
PREPARED BY: M. MARSH	
HB ENGINEERING, INC. NORTH ROYALTON, OHIO	THIS DRAWING IS THE PROPERTY OF HB ENGINEERING, INC. AND IT SHALL NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED WRITTEN CONSENT OF HB ENGINEERING, INC.
FILE:	JOB NO.

B.4.b

Other Media of Concern

Not applicable as no other media of concern was identified

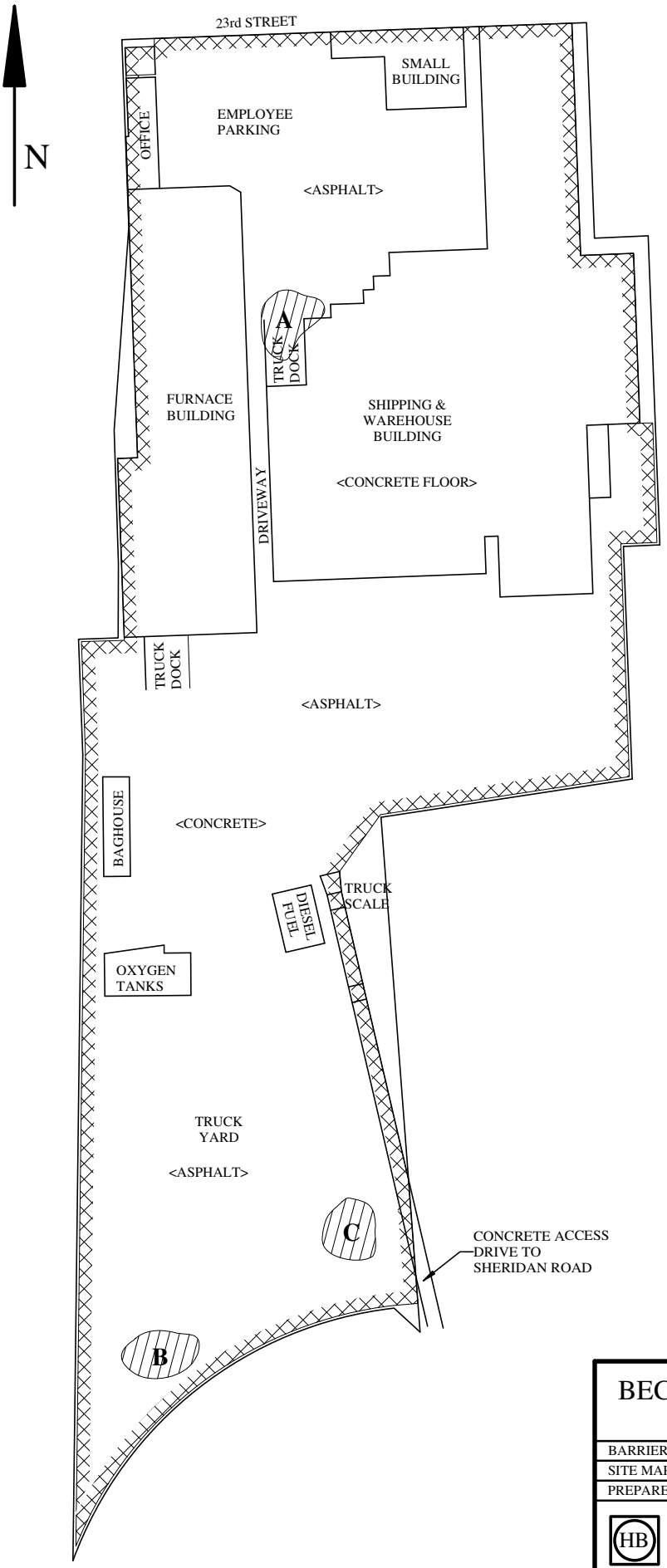
Documentation of Remedial Action (Attachment C)

DISCLAIMER

Documents contained in Attachment C of the Case Closure – GIS Registry (Form 4400-202) are not included in the electronic version (GIS Registry Packet) available on RR Sites Map to limit file size.

For information on how to obtain a copy or to review the file, please contact the Remediation & Redevelopment (RR) Environmental Program Associate (EPA) at dnr.wi.gov/topic/Brownfields/Contact.html

WISCONSIN
DEPT. OF NATURAL RESOURCES

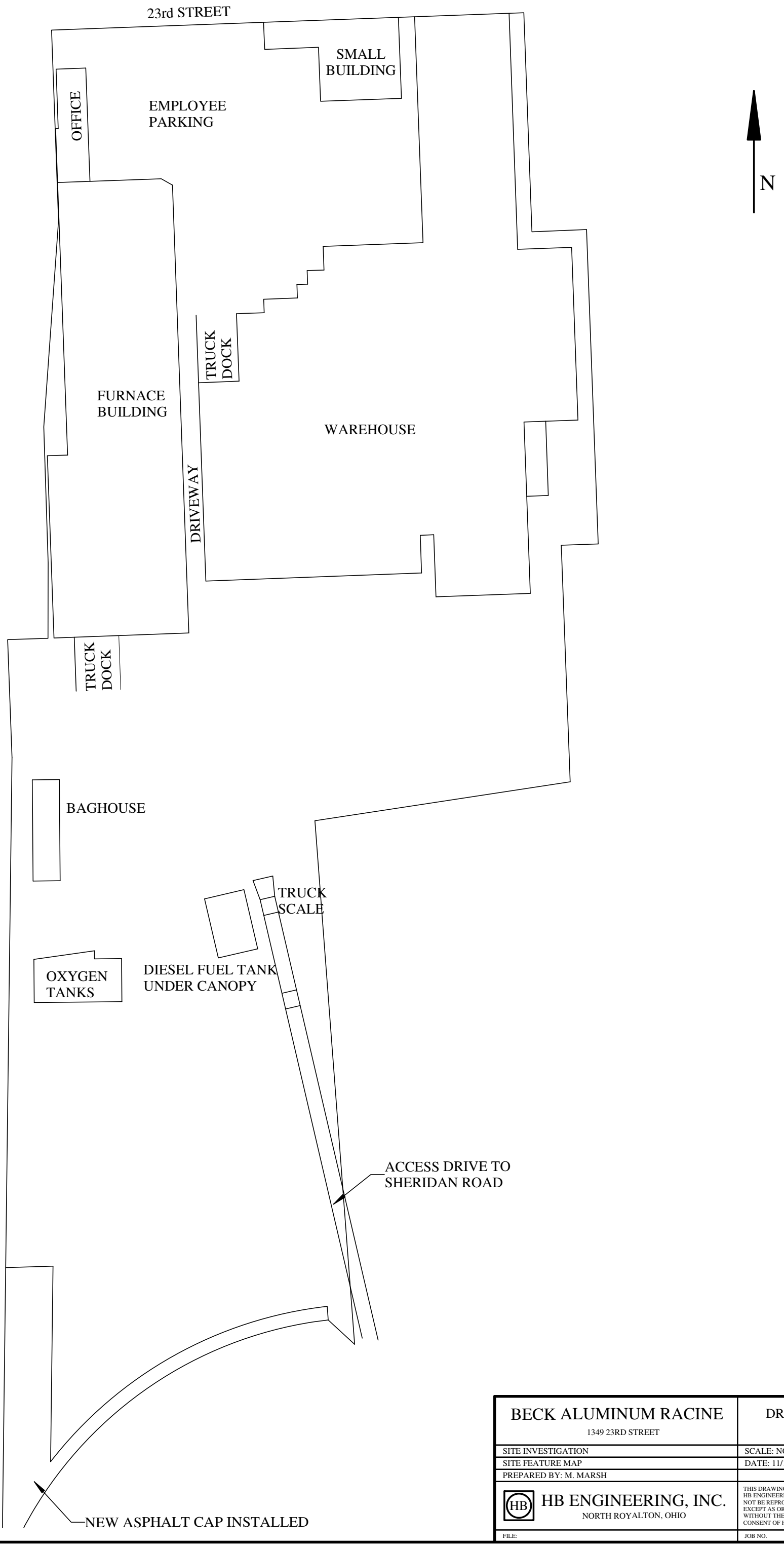


AREA	CONTAMINANT (MEDIA)	DEPTH, FT
A	ARSENIC (GW) BARIUM (GW) SEC-BUTYLBENZENE (GW) ISOPROPYLBENZENE (GW)	4 -8
B	LEAD (S) ARSENIC (GW)	6-10
C	METHYL TERT-BUTYL ETHER (GW)	6-8

S - SOIL GW - GROUNDWATER

NOTE: BACKGROUND ARSENIC LEVELS IN SOIL ARE ABOVE RCL IN THE SOIL STANDARDS THROUGHOUT THE PROPERTY.

BECK ALUMINUM RACINE MOUNT PLEASANT, WISCONSIN	DRAWING MP-1
BARRIER CAP MAINTENANCE PLAN	SCALE: 1" = 120'
SITE MAP	DATE: 10/05/2012
PREPARED BY: M. MARSH	
HB ENGINEERING, INC. NORTH ROYALTON, OHIO	THIS DRAWING IS THE PROPERTY OF HB ENGINEERING, INC. AND IT SHALL NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED WRITTEN CONSENT OF HB ENGINEERING, INC.
FILE:	JOB NO.



BECK ALUMINUM RACINE 1349 23RD STREET	DRAWING 2
SITE INVESTIGATION	SCALE: NONE
SITE FEATURE MAP	DATE: 11/1/2010
PREPARED BY: M. MARSH	
HB ENGINEERING, INC. NORTH ROYALTON, OHIO	THIS DRAWING IS THE PROPERTY OF HB ENGINEERING, INC. AND IT SHALL NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED WRITTEN CONSENT OF HB ENGINEERING, INC.
FILE:	JOB NO.

Beck Aluminum Racine

Barrier Cap Maintenance Plan
October 2012

Property: 1349 23rd Street
Mount Pleasant, Wisconsin
Parcel: 21-002-000

FID: 252011870
BRRTS: 02-52-555517

Introduction

This document is the maintenance plan for the barrier cap at the above referenced property in accordance with the requirements of Wisconsin Administrative Code section NR 724.13(2). The maintenance activities relate to the existing barrier cap consisting of pavement and buildings occupying the area over the residual soil contamination and groundwater contamination.

More specific information about this property may be found in:

- The case file in the WDNR Southeast region office in Milwaukee, WI
- WDNR's BRRTS on the web: http://dnr.wi.gov/botw/SetUpBasicSearchForm.do
- GIS Registry PDF file for further information: http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2
- The WDNR project manager for Racine County

Description of Contamination

The site has residual soil contamination and groundwater contamination at locations and depths summarized in Table 1. The presence of residual contamination was discovered during Phase II Environmental Site Assessment subsurface soil investigation activities and follow up groundwater monitoring requested by the WDNR. The location the barrier cap and the residual contamination is shown on Figure MP-1

Table 1. Residual Contaminants in Underlying Soil and Groundwater

Contaminant	Media	Location(s)	Depth
Arsenic	Soil	Background levels above RCL in soil standard thoughout the property	2 to 12 feet
Arsenic	Groundwater	North of loading docks and southwest corner of truck yard	4 to 10 feet
Barium	Groundwater	North of loading docks	4 to 8 feet
Lead	Soil	Southwest corner of truck yard	6 to 8 feet
Methyl tert-butyl ether	Groundwater	Southeast corner of truck yard	4 to 8 feet
Sec-butylbenzene	Groundwater	North of loading docks	4 to 8 feet
Isopropylbenzene	Groundwater	North of loading docks	4 to 8 feet

Description of the Barrier Cap to be Maintained

The entire property is covered with the barrier cap as shown on Figure MP-1. The barrier cap consists of asphalt pavement (employee parking, roadways, and truck yard) and buildings with concrete slab floors (furnace building and shipping/warehouse building).

The asphalt pavement consists of 4-inches of asphalt over a base course with minimum thickness of 6 inches. The thickness of these layers in the existing asphalt pavement were confirmed in the 2009 soil boring work. The asphalt pavement is designed and maintained for truck traffic and meets the design standards of the WI DOT.

The existing concrete slab building floors are a minimum of 8-inches thick over a gravel base. The concrete floors are designed and maintained for material handling equipment traffic and the storage of raw materials and finished product.

Purpose of the Barrier Cap

The barrier cap over the residual soil contamination and groundwater serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. This barrier cap also act as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate groundwater standards in Wisconsin Administration Code chapter NR140. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The barrier cap overlying the residual contamination as depicted in Figure MP-1 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks, and other potential problems that can cause addition infiltration into or exposure to the underlying soils. The inspection will be performed by the Beck Aluminum Racine or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed and where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included in Exhibit B, Barrier Cap Inspection Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at Beck Aluminum Racine and available for submittal or inspection by WDNR representatives.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include sealing cracks with appropriate sealant, patching and filling holes, or larger resurfacing and/or replacement of the pavement. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the

direct contact exposure hazard and provide them with appropriate personal protective equipment. The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored, and disposed of by the owner in accordance with applicable local, state, and federal laws.

Construction Activities

In the event that the asphalt barrier cap or a building is removed or replaced, the replacement barrier cap must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines outlined in this maintenance plan, unless indicated otherwise by the WDNR or its successor. Any soil that is excavated from the site during construction activities to remove or replace the barrier cap must be sampled prior to disposal to ascertain if contamination remains. The soil must be treated, stored, and disposed of by the owner in accordance with applicable local, state, and federal laws.

Plan Availability

Beck Aluminum Racine, in order to maintain the integrity of the barrier cap, will maintain a copy of this maintenance plan on-site and make it available to all interested parties (on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of WDNR Prior to Actions Affecting the Barrier Cap

The following activities are prohibited on any portion of the property where asphalt pavement or buildings that comprise the barrier cap as shown on Figure MP-1, unless prior written approval has been obtained from the WDNR:

1. Removal of the existing barrier;
2. Replacement with another barrier;
3. Excavating or grading of the land surface;
4. Filling on capped or paved areas;
5. Plowing for agricultural cultivation; or
6. Construction or placement of a building or structure.

Amendment or Withdrawal of Maintenance Plan

The maintenance plan can be amended or withdrawn by the property owner and its successor with written approval of WDNR.

Beck Aluminum Racine
Mount Pleasant, WI
FID: 252011870
BRRTS: 02-52-555517

Signature of Owner and Operator

Site Owner and Operator: Beck Aluminum Racine
1349 23rd Street
Mount Pleasant, WI
(262) 637-9858
Gary Merritt, Plant Manager

Signature

3/14/13
Date

Other Contact Information

Property Owner: Wisconsin Aluminum Recycling
1349 23rd Street
Mount Pleasant, WI
(262) 637-9858
Gary Merritt, Plant Manager

Consultant: HB Engineering, Inc.
9841 York Alpha Dr., Unit D
North Royalton, OH 44133
(440) 230-1500
Michael Marsh

WDNR Project Manager: Shanna Laube-Anderson
9531 Rayne Road
Sturtevant, WI 53177
(262) 884-2341

Barrier Cap Inspection and Maintenance Log

Inspection Date:	Inspector:

Barrier Cap Description	Condition of Cap (circle one)	Maintenance Recommendations
North Parking Lot *{asphalt pavement}*	Are there cracks or holes in pavement? Yes No Is there surface deterioration? Yes No Are there settled areas? Yes No	
South Truck Yard *{asphalt pavement}*	Are there cracks or holes in pavement? Yes No Is there surface deterioration? Yes No Are there settled areas? Yes No	
Roadways, equipment pads *{asphalt pavement and concrete pads}*	Are there cracks or holes in pavement? Yes No Is there surface deterioration? Yes No Are there settled areas? Yes No	
Furnace Building *{concrete floor}*	Are there cracks or holes? Yes No Is there surface deterioration? Yes No	
Shipping/Warehouse Building *{concrete floor}*	Are there cracks or holes? Yes No Is there surface deterioration? Yes No	

Maintenance Activities

Maintenance Date	Location of Maintenance Activity	Description of Maintenance Activity Performed

Inspect barrier cap annually in spring after all snow and ice is gone.
Keep completed inspection log with Barrier Cap Maintenance Plan

Photos of Barrier Cap Extension Before & After

South property line before asphalt cap extension, Nov 10, 2009

New asphalt pavement to south property line, April 23, 2012

HB ENGINEERING, INC.

ENVIRONMENTAL ENGINEERS AND CONSULTANTS

9841 York Alpha Drive, Unit D • North Royalton, OH 44133-3514
(440) 230-1500 • Fax (440) 230-1050 • www.hbengineers.com

September 30, 2013

Ms. Shanna Laube-Anderson
Wisconsin Department of Natural Resources
9531 Rayne Rd
Sturtevant, WI 53177

Re: Completion of conditions for case closure
Beck Aluminum Racine, 1349 23rd St, Mount Pleasant, Wisconsin
WDNR BRRTS Activity# 02-52-555517

Dear Ms. Laube-Anderson:

In response to your July 16, 2013 Conditional Closure Decision letter, we are reporting that we have completed the monitoring well abandonment and the purge water, waste and soil removal at the Beck Aluminum Racine, 1349 23rd St, Mount Pleasant, Wisconsin; as of September 25, 2013. We are submitting the enclosed monitoring well abandonment documentation on Form 3300-005 for the filling and sealing of the monitoring wells.

We verified that there are no drums of purge water, waste, and soil remaining at the site and that these wastes were previously shipped for disposal. The disposal documentation was included in Section C.2 of the case closure request.

If you have any questions, please feel free to contact me.

Respectfully submitted,

Michael A. Marsh

Michael A. Marsh, P.E.
Vice President

Cc: Gary Merritt, Beck Aluminum Racine
Ike Habib, P.E.

Chicago Title Insurance Company

1360 EAST NINTH STREET, SUITE 500, CLEVELAND, OHIO 44114-1209

Phone: (216)696-1275
Fax: (216)696-8111

January 25, 2011

WISCONSIN ALUMINUM RECYCLING LLC
CALFEE, HALTER & GRISWOLD LLP
800 SUPERIOR AVENUE, SUITE 1400
CLEVELAND, OHIO 44114
ATTN: DAVID K. HALES, ESQ.

RE: Order Number 30280178A NBU
WISCONSIN ALUMINUM RECYCLING LLC
-to- BECK ALUMINUM ALLOYS, LTD
1349 23RD STREET
RACINE, WISCONSIN 53401

Dear DAVID:

In connection with the above captioned escrow transaction, enclosed herewith please find the following:

Original Recorded Warranty Deed

Thank you. Please do not hesitate to call if you have any questions.

Very truly yours,

CHICAGO TITLE INSURANCE COMPANY

JIM BROCKMAN
Escrow Officer

Enclosures

JB
NOWHLTR-04/06/99-dr

JD

Document Number

State Bar of Wisconsin Form 1-2003
WARRANTY DEED

Document Name

Document #: **2274847**
Date: 01-19-2011 Time: 11:06 AM Pages: 3
Fee: $30.00 County: RACINE State: WI
Requesting Party: Chicago Title Insurance Company
Register of Deeds: RACINE COUNTY REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

THIS DEED, made between Beck Aluminum Alloys, Ltd., an Ohio limited liability company ("Grantor," whether one or more), and Wisconsin Aluminum Recycling LLC., an Ohio limited liability company ("Grantee," whether one or more).

TRANSFER FEE: $ **2,925.00**

Recording Area

Name and Return Address

Calfee, Halter & Griswold LLP
800 Superior Avenue
Suite 1400
Cleveland, Ohio 44114
Attn: David K. Hales, Esq.

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

See Exhibit A attached

51-151-03-23-21-002-000
Parcel Identification Number (PIN)

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

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except: zoning and taxes for the year of closing.

Beck Aluminum Alloys, Ltd.
~~WISCONSIN ALUMINUM RECYCLING XXXX~~

Dated December 21, 2010.

(SEAL) (SEAL)
* * Print Name: Scott W. Beck, its Marketing VP

(SEAL) (SEAL)
* * Print Name: Bryan C. Beck, its Executive VP

AUTHENTICATION

Signature(s) _____
authenticated on _____.

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

THIS INSTRUMENT DRAFTED BY:
Calfee, Halter & Griswold LLP, 800 Superior Avenue, Suite 1400, Cleveland, Ohio 44114

ACKNOWLEDGMENT

STATE OF OHIO)
) ss.
Cuyahoga COUNTY)

Personally came before me on December 21, 2010, the above-named Scott W. Beck and Bryan C. Beck as such Marketing VP and Executive VP of Grantor to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

* MIMI SAJEWSKI
NOTARY PUBLIC - STATE OF OHIO
Recorded in Lake County
My commission expires July 28, 2015
Notary Public, State of Ohio
My Commission (is permanent) (expires: _____)

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

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

* Type name below signatures.

{00849033.DOC;2 }

State Bar of Wisconsin Form 1-2003

WARRANTY DEED

Document Number

Document Name

THIS DEED, made between Beck Aluminum Alloys, Ltd., an Ohio limited liability company ("Grantor," whether one or more), and Wisconsin Aluminum Recycling LLC., an Ohio limited liability company ("Grantee," whether one or more).

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

See Exhibit A attached

Recording Area

Name and Return Address

Calfee, Halter & Griswold LLP
800 Superior Avenue
Suite 1400
Cleveland, Ohio 44114
Attn: David K. Hales, Esq.

51-151-03-23-21-002-000

Parcel Identification Number (PIN)

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

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except: zoning and taxes for the year of closing.

Beck Aluminum Alloys, Ltd.
~~Wisconsin Aluminum Recycling~~

Dated December 21, 2010.

(SEAL) (SEAL)
* * Print Name: Scott W. Beck, its Marketing VP

(SEAL) (SEAL)
* * Print Name: Bryan C. Beck, its ~~Executive~~ VP

AUTHENTICATION

Signature(s) _____

authenticated on _____.

*

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

THIS INSTRUMENT DRAFTED BY:

Calfee, Halter & Griswold LLP, 800 Superior Avenue, Suite 1400, Cleveland, Ohio 44114

ACKNOWLEDGMENT

STATE OF OHIO)
) ss.
Cuyahoga COUNTY)

Personally came before me on December 21, 2010, the above-named Scott W. Beck and Bryan C. Beck as such Marketing VP and Executive VP of Grantor to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

*
Notary Public, State of Ohio
My Commission (is permanent) (expires: _____)

MIMI SAJEWSKI
NOTARY PUBLIC - STATE OF OHIO
Recorded in Lake County
My commission expires July 28, 2015

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

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

© 2003 STATE BAR OF WISCONSIN

WARRANTY DEED **FORM NO. 1-2003**

* Type name below signatures.

Exhibit A

Legal Description

PARCEL A:
PARCEL 1 OF CERTIFIED SURVEY MAP NO. 1134, recorded in the office of the Register of Deeds for Racine County, Wisconsin on May 14, 1986 in Volume 3 of Certified Survey Maps, page 335-337, as Document No. 1193725.

ALSO INCLUDING:
That part of the West Half of the Southwest Quarter of Section 21, Township 3 North, Range 23 East of the Fourth Principal Meridian, bounded and described as follows: Commencing at the Northwest corner of said Southwest Quarter of Section 21; thence East along the North line of said Southwest Quarter a distance of 83 feet, more or less, to a point distant 83 feet Easterly, measured at right angles, from the West

*** CONTINUED ***

line of said Southwest Quarter of Section 21; thence Southerly parallel with the West line of said Southwest Quarter of Section 21 a distance of 1,565.52 feet (23.72 chains) to the point of beginning of the parcel of land herein described; thence Westerly parallel with the North line of said Southwest Quarter of Section 21 a distance of 25 feet, more or less, to a point distance 25 feet Easterly, measured at right angles, from the center line of the most Easterly side track of the Chicago and North Western Transportation Company, as said side track is now located; thence Northeasterly parallel with the center line of said most Easterly side track to a point distant 83 feet Easterly, measured at right angles, from the West line of said Southwest Quarter of Section 21; thence Southerly parallel with said West line of the Southwest Quarter of Section 21 to the point of beginning.

PARCEL B:
A 40 foot easement for ingress and egress whose centerline is described as follows: Part of the Southwest 1/4 of Section 21, Township 3 North, Range 23 East, described as follows: Commence at a standard Racine County monument marking the Southwest corner of said Section; run thence North 02°01'56" West, 382.23 feet along the West line of said Section; to apoint on the projected Northwesterly line of spur track right of way and a point on a curve of Northwesterly convexity whose radius is 304.75 feet and whose chord bears North 50°06'15' East, 314.16 feet; thence Northeasterly on the arc of said curve, 330.06 feet; thence South 47°16'56" East, 114.98 feet to the Northwesterly line of S.T.H. #32 and a point on a curve of Northwesterly convexity whose radius is 878.64 fet and whose chord bears North 55°48'46" East, 6.95 feet; thence Northeasterly on the arc of said curve and Northwesterly line of said Highway, 6.95 feet; thence North 56°02'21" East, 13.60 feet on the Northwesterly line of said Highway of the point of beginning of the centerline of a 40 foot wide easement for ingress and egress; run thence North 47°16'56" West 112.56 feet along said centerline; thence North 04°20'52" West, 359.58 feet along said centerline to the point of terminus of said easement centerline.

TOGETHER with a 20 foot easement for ingress and egress whose centerline is described as follows: Part of the Southwest 1/4 of Section 21, Township 3 North, Range 23 East, bounded as follows: Begin on the South line of 23rd Street at a point located North 87°53'25" East, 350.26 feet from the East line of the Chicago & Northwestern Railroad; run thence South 02°06'25" East, 162.39 feet; thence North 87°41'35" East, 40.55 feet; thence South 02°07'30" East, 233.00 feet; thence South 87°52'30" West, 29.36 feet; thence South 02°07'30" East, 175.56 feet; thence South 81°16'45" West, 209.40 feet to its point of terminus.

All of said lands lying and being in the Village of Mt. Pleasant, County of Racine and State of Wisconsin.

Tax Key No. 51-151-03-23-21-002-000

Address: 1349 23rd Street, Racine, WI

ELECTRONIC REAL ESTATE TRANSFER RECEIPT

WISCONSIN DEPARTMENT OF REVENUE

1OMYV

INSTRUCTIONS

1. Grantors and grantees must review this receipt, noting grantor and grantee responsibilities.
2. Mail or deliver the following items to:
   Racine County *Register of Deeds, 730 WISCONSIN AVE, RACINE, WI 53403-1238*
   - This receipt page, along with a transfer fee of $2,925.00.
   - The deed or instrument of conveyance, along with a recording fee of $30.00 regardless of the number of pages.

To view the details of the real estate transfer return online, go to https://ww2.revenue.wi.gov /RETRWebPublic/application. You will need to know the receipt number, the total value of the real estate transferred, and the last name of one grantor or grantee.

Receipt **1OMYV**. Filed January 13, 2011, 11:50 AM - **Racine County**. Conveyance date **2010-12-21**.

Value transferred	**$975,000**	Transfer fee	**$2,925.00**
Value subject to fee	**$975,000**	Fee exemption number	

Grantors	Beck Aluminum Alloys, L:td.
Grantees	Wisconsin Aluminum Recycling LLC
Tax bill address	Wisconsin Aluminum Recycling LLC, 300 Allen Bradley Drive, Mayfield Heights, Ohio 44124
Property Location	1349 23rd Street (**Village of Mount Pleasant**)
Parcels	151-03-23-21-002-000
Short legal description	PARCEL A: Parcel 1 of Certified Survey Map No. 1134, recorded in the office of the Register of Deeds for Racine County, Wisconsin on May 14, 1986 in Volume 3 of Certified Survey Maps, page 335-337, as Document No. 1193725. ALSO INCLUDING: That p

Grantor responsibilities: Grantors are responsible for paying the proper fee amount—verify the total property value, fee amount and fee exemption before sending this receipt to the county Register of Deeds.[1]

Grantee responsibilities: Grantees assert that this property is not a primary residence[2], and that the property is not subject to weatherization standards with exclusion code "W-7".[3]

Preparer	Jim Brockman, (216) 696-1275, jim.brockman@ctt.com
Grantor agent	Chicago Title Insurance Company, (216) 696-1275, jim.brockman@ctt.com
Grantee agent	Chicago Title Insurance Company, (216) 696-1275, jim.brockman@ctt.com

If you have any questions about the Real Estate Transfer Return visit the Real Estate Transfer Web site at http://www.dor.state.wi.us /ust/retn.html. You can also contact your County Register of Deeds (see http://www.wrda.org/).

Information on the real estate transfer return is used to administer Wisconsin's laws of income tax, real estate transfers, rental unit energy efficiency, lottery tax credit and general property tax. The transfer of Wisconsin real estate in a taxable transaction must be reported on your Wisconsin income tax return. This is true whether you were a resident, a part-year resident, or a nonresident of Wisconsin. If you are a nonresident of Wisconsin, you must file Form 1NPR to report the sale.

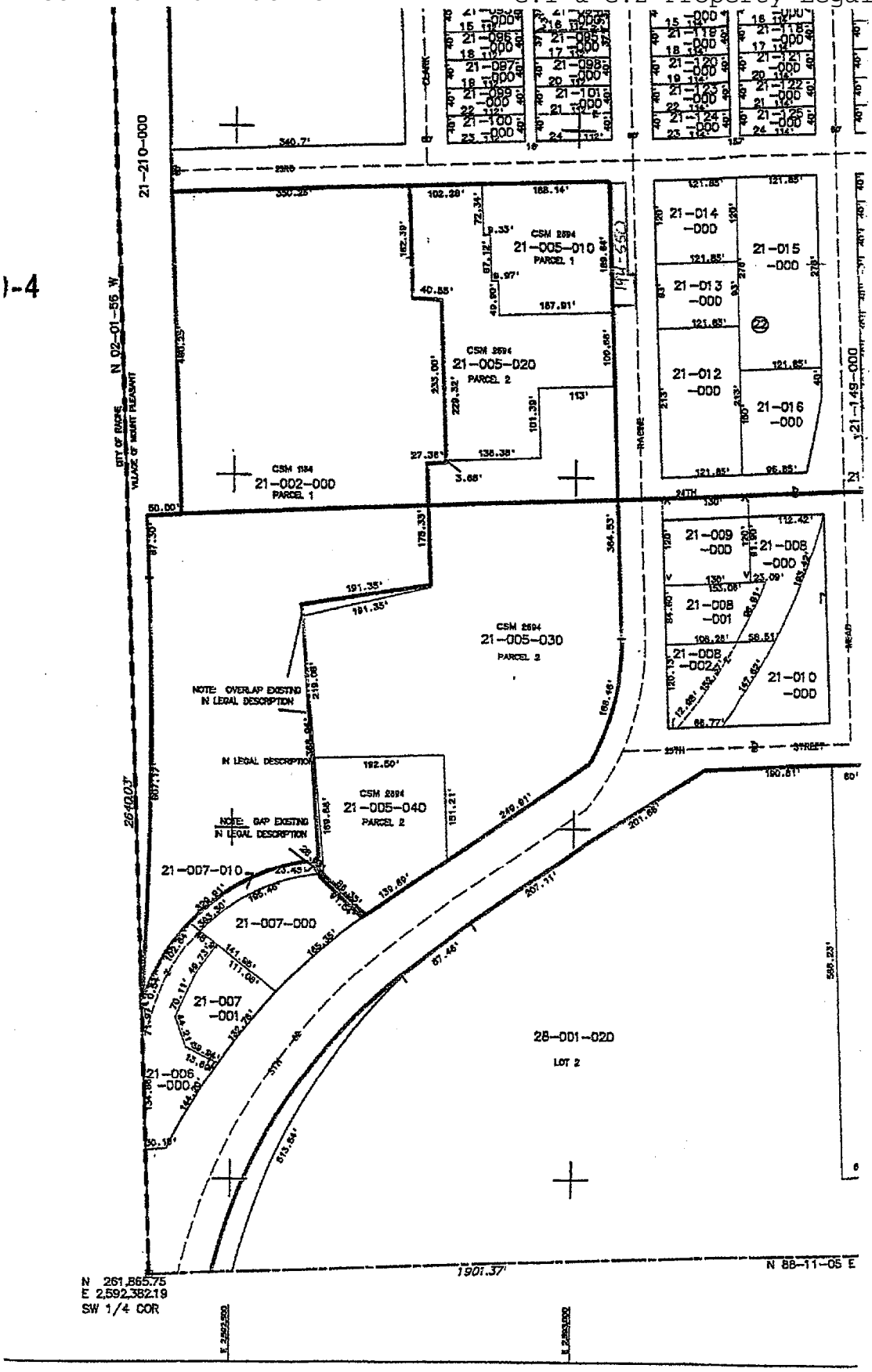
1 Penalties for use of an improper exemption are imposed per s. 77.26(8), Stats. Penalties for falsifying the property value are imposed per s. 77.27, Stats.

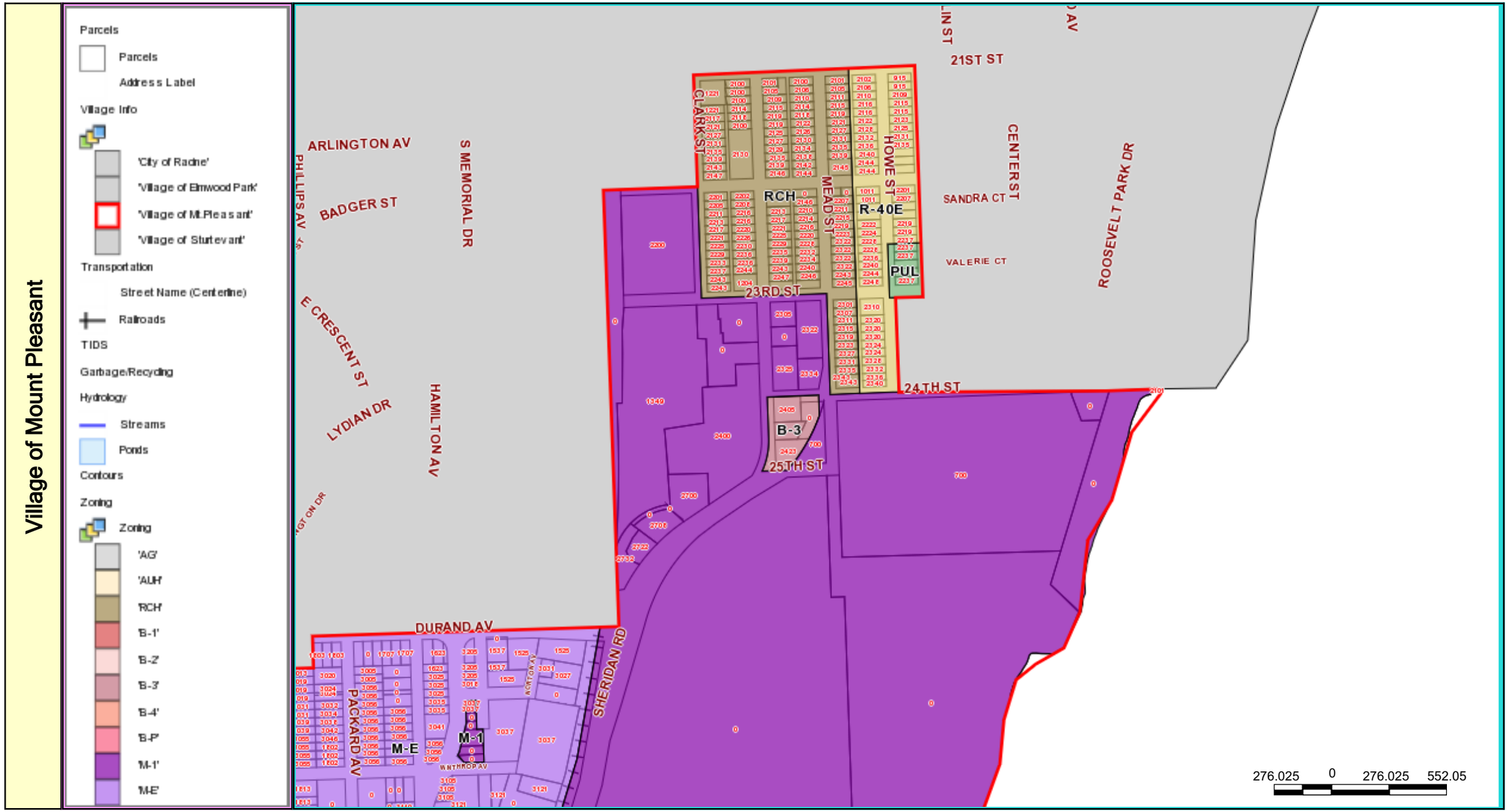
2 Penalties for improperly claiming the Lottery & Gaming Credit as Primary Residence are imposed per Chapter Tax 20.19.

3 Penalties relating to Weatherization claims are imposed per s. 101.122. Stats.

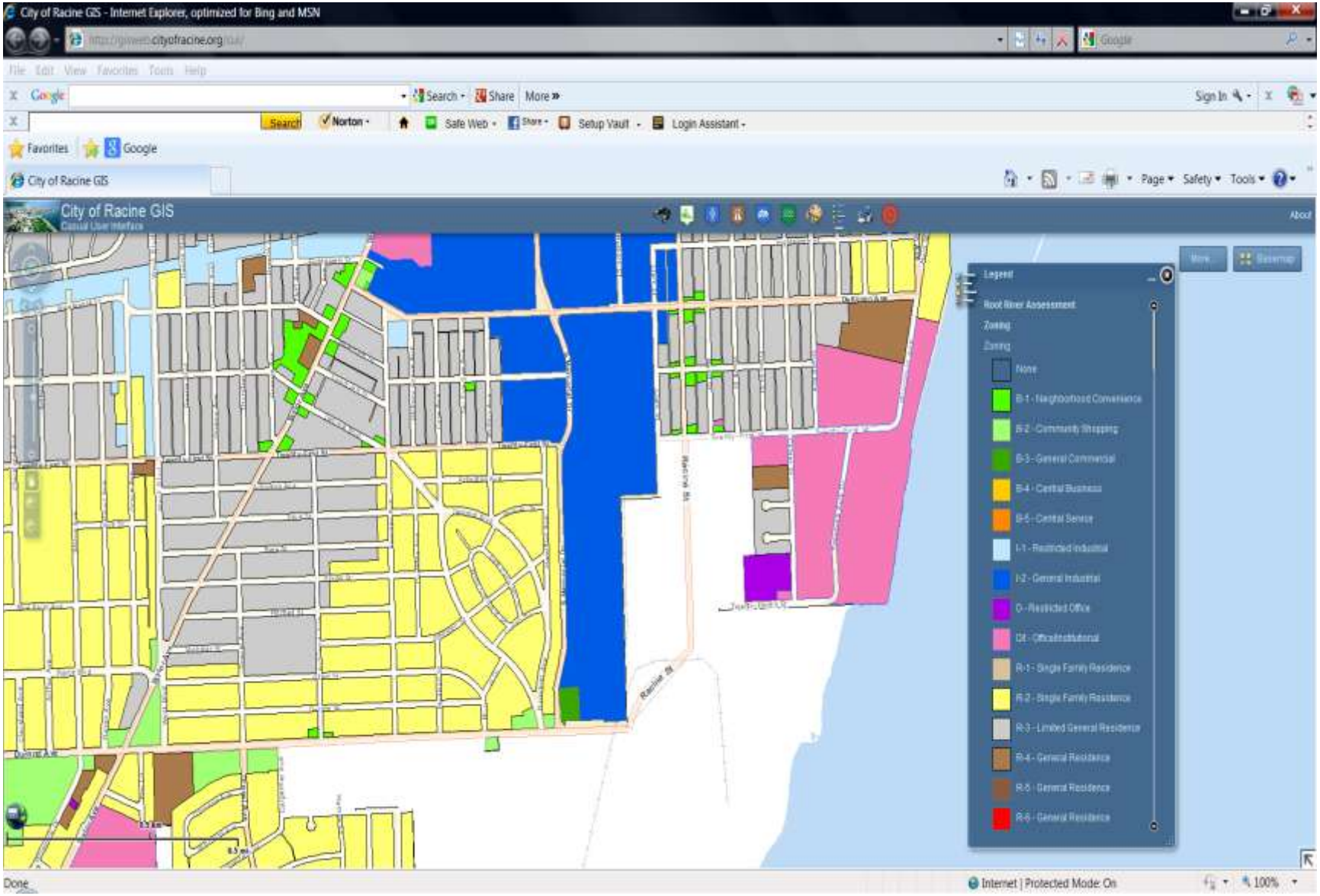
* For more information see Chapter COMM67, s. 67.03 and 67.04.

1-4


21-210-000
N 02-01-55 W
CITY OF RACINE
VILLAGE OF MOUNT PLEASANT
CSM 2594
21-005-010
PARCEL 1
CSM 2594
21-005-020
PARCEL 2
CSM 1184
21-002-000
PARCEL 1
CSM 2594
21-005-030
PARCEL 2
CSM 2594
21-005-040
PARCEL 2
NOTE: OVERLAP EXISTING IN LEGAL DESCRIPTION
NOTE: GAP EXISTING IN LEGAL DESCRIPTION
21-007-010
21-007-000
21-007 -001
21-006 -000
28-001-020
LOT 2
21-014 -000
21-015 -000
21-013 -000
21-012 -000
21-016 -000
21-009 -000
21-008 -000
21-008 -001
21-008 -002
21-010 -000
21-149-000
24TH
25TH
STREET
RACINE
1901.37'
N 88-11-05 E
N 261,865.75
E 2,592,382.19
SW 1/4 COR



This map was compiled using data believed to be accurate; however, a degree of error is inherent in all maps. This map was distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of the maps to define the limits or jurisdiction of any federal, state, or local government. Detailed on-the-ground surveys and historical analyses of sites may differ from the maps.


City of Racine GIS - Internet Explorer, optimized for Bing and MSN
City of Racine GIS
Legend
Root River Assessment
Zoning
Zoning
None
B-1 - Neighborhood Convenience
B-2 - Community Shopping
B-3 - General Commercial
B-4 - Central Business
B-5 - Central Service
I-1 - Restricted Industrial
I-2 - General Industrial
O - Restricted Office
OI - Office/Institutional
R-1 - Single Family Residence
R-2 - Single Family Residence
R-3 - Limited General Residence
R-4 - General Residence
R-5 - General Residence
R-6 - General Residence
Done
Internet | Protected Mode: On
100%

BECK ALUMINUM RACINE

A Division of Beck Aluminum Alloys, LTD

1349 23rd STREET • RACINE, WI 53403
PHONE: 262-637-9858 • FAX: 262-637-9850

Certification of Legal Descriptions

I, Gary Merritt, certify that the legal description provided on the attached deed describing the parcel identified as Beck Aluminum Racine is complete and accurate to the best of my knowledge.

Signature Gary Merritt

Date 3/14/13

Title PLANT MANAGER