

GIS Registry Disclaimer

This case was closed by the DNR prior to August 1, 2002, when DNR began adding approved cleanups with residual soil contamination into the GIS Registry. Certain documents that are currently required by ch. NR 726, Wis. Adm. Code may therefore not be included in this packet as they were unavailable at the time the original case was closed.

The information contained in this document was assembled by DNR from a previously closed case file, and added to the GIS Registry to provide the public with information on closed sites with residual soil and/or groundwater contamination remaining above applicable state standards.

GIS REGISTRY

Cover Sheet

March, 2010
(RR 5367)

Source Property Information

BRRTS #:

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

CLOSURE DATE:

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

X: **Y:**

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

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
- Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- | | |
|--|--|
| <input type="checkbox"/> Groundwater Contamination > ES (236) | <input checked="" type="checkbox"/> Soil Contamination > *RCL or **SSRCL (232) |
| <input type="checkbox"/> Contamination in ROW | <input checked="" type="checkbox"/> Contamination in ROW |
| <input type="checkbox"/> Off-Source Contamination | <input type="checkbox"/> Off-Source Contamination |
| <i>(note: for list of off-source properties
see "Impacted Off-Source Property" form)</i> | <i>(note: for list of off-source properties
see "Impacted Off-Source Property" form)</i> |

Land Use Controls:

- | | |
|---|---|
| <input type="checkbox"/> N/A (Not Applicable) | <input checked="" type="checkbox"/> Cover or Barrier (222) |
| <input type="checkbox"/> Soil: maintain industrial zoning (220) | <i>(note: maintenance plan for
groundwater or direct contact)</i> |
| <i>(note: soil contamination concentrations
between non-industrial and industrial levels)</i> | <input type="checkbox"/> Vapor Mitigation (226) |
| <input type="checkbox"/> Structural Impediment (224) | <input type="checkbox"/> Maintain Liability Exemption (230) |
| <input type="checkbox"/> Site Specific Condition (228) | <i>(note: local government unit or economic
development corporation was directed to
take a response action)</i> |

Monitoring Wells:

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

- Yes No N/A

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

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

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

BRRTS #: 03-41-005091 PARCEL ID #: 559-9999-000-1
ACTIVITY NAME: ECONOMY AUTO MART SITE II WTM COORDINATES: X: 682395 Y: 280601

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

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

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

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

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 **Title: Site Location Map**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 **Title: Site Plan Map**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 6 **Title: Remediation Soil Sample Location & Soil Quality Map**

BRRTS #: 03-41-005091

ACTIVITY NAME: ECONOMY AUTO MART SITE II

MAPS (continued)

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

Figure #: 3 **Title: Geologic Cross Section Location Map**

Figure #: 4 **Title: Geologic Cross Section A-A**

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: This is intended to show the total area of contaminated groundwater.

Figure #: **Title:**

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

Figure #: **Title:**

Figure #: **Title:**

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

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

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

Table #: 5 **Title: Subsurface Investigation - Soil Quality Results**

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

Table #: **Title:**

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

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: **Title:**

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

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

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

BRRTS #: 03-41-005091

ACTIVITY NAME: ECONOMY AUTO MART SITE II

NOTIFICATIONS

Source Property

Not Applicable

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

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

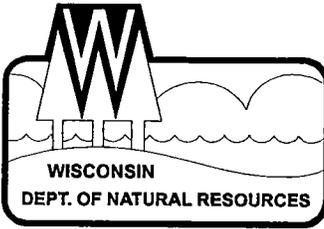
Not Applicable

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

Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
- Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

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



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

October 1, 1999

Mr. Jim Wilcox
Economy Auto Mart
3505 S. 76th Street
Milwaukee, WI 53220

Subject: Final Closure for Economy Auto Mart, 3505 S. 76th Street, Milwaukee, WI FID:
241634690, BRRTS: 03-41-005091.

Dear Mr. Wilcox:

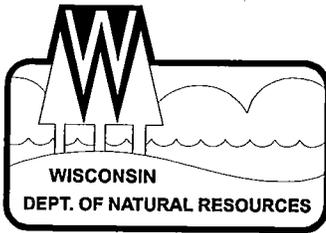
This letter acknowledges the receipt of the deed restriction and monitoring well abandonment forms for the above-named site submitted by Moraine Environmental dated September 29, 1999. Based on the investigation and remedial documentation provided to the department, it appears that the above-named site is in compliance with the requirements of Chs. NR 700 to 724, Wis. Admin. Code. Therefore, the department considers the case closed and tracked as such, having determined that no further action is necessary at the site at this time. However, the case may be reopened pursuant to S. NR 726.09, Wis. Admin. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment programs assistant Brenda Brown (263-8680) at the above address.

Sincerely,

John J. Hnat
Hydrogeologist
Remediation and Redevelopment

C: Warren Graham, Moraine Environmental
WDNR SER Files



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
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TDD 414-263-8713

March 16, 1999

Mr. Jim Wilcox
Economy Auto Mart
3505 S. 76th St.
Milwaukee, WI 53220

FID 241634690
BRRTS 0341005091

Subject: Closure request for Economy Auto Mart located at 3505 S. 76th St., Milwaukee, WI

Dear Mr. Wilcox:

The Department has reviewed your latest submittal, dated December 28, 1998, and any additional information pertaining to this site. The Department concurs with your consultant that no further action is necessary at this time. All monitoring wells must be abandoned within 60 days in accordance to NR 141.25, WI Adm. Code (WAC).

Since there is soil contamination remaining on the property above the NR 720, WAC, residual contaminate levels (RCLs) next to the building and near the utilities in the northeastern corner of the property, the Department is requiring a deed restriction for closure. Please use option number 1 from the Department's institutional controls guidance. The guidance may be found on the DNR's website (<http://www.dnr.state.wi.us>) by searching "RR PDF Documents" or by calling the publication hotline at (608)264-6009. Also, the City of Milwaukee should be notified of the extent and degree of soil contamination in S. 76th St. to protect worker safety.

Based on the information provided to the Department, it appears that the above-named site has a Benzo(a)pyrene NR 140, WI Adm. Code (WAC) preventative action limit (PAL) exceedance in MW-3 (.022 ppb). The Department is issuing a PAL exemption per NR 140.28 (2), WAC, for Benzo(a)pyrene in MW-3.

After Departmental approval of the draft deed restriction, receipt of a copy of the certified deed restriction, and receipt of monitoring well abandonment documentation, this site will be in compliance with NR 700-726, WAC, and will be considered closed and tracked as such on the Department's tracking system.

For expedient processing, please send all future correspondence to the attention of the Program Assistant at the above address. Please include that I, Michelle McGee, am the current reviewer of the case.

If you have any questions regarding this letter, please contact me at the above address or at (414)263-8644.

Sincerely,

Michelle M. McGee
Hydrogeologist
Remediation and Redevelopment Program

cc: Warren Graham, Moraine Environmental
Steve Karklins, DG/7
SER case file

DEED RESTRICTIONS

REEL 4622 IMAG 847

Document Title

7786081

REGISTER'S OFFICE 1 SS
Milwaukee County, WI

RECORDED AT 8:00 AM

08-09-1999

REEL 4622 IMAGE 847 TO 850
INCC.

WALTER R. BARCZAK
REGISTER OF DEEDS

AMOUNT 16.00

Recording Area

Name and Return Address

James Wilcox
3505 S. 76th St
Milw. Wi. 53220

Parcel Identification Number (PIN)

This information must be completed by submitter: document title, name & return address, and PIN (if required). Other information such as the granting clauses, legal description, etc. may be placed on this first page of the document or may be placed on additional pages of the document.
Note: Use of this cover page adds one page to your document and \$2.00 to the recording fee. Wisconsin Statutes, 59.43(2m) WRDA 2/99

Deed Restrictions

Re: 3505 South 76th Street, Milwaukee, Wisconsin, more particularly described as:

MR JAMES M WILCOX LANDS IN SE 1/4 OF SEC 16-2-21 COM AT NE
COR OF SD 1/4 SEC - TH W 132.28' TH S 233.44' - TH E 132.28' - TH N
233.44' TO BEG EXC STRS, CITY OF MILWAUKEE, MILWAUKEE
COUNTY, WISCONSIN.

STATE OF WISCONSIN)
) ss
COUNTY OF MILWAUKEE)
THIS DOCUMENT WAS DRAFTED BY WARREN A. GRAHAM, OF MORaine ENVIRONMENTAL, INC.

Mr. James Wilcox
3505 South 76th Street
Milwaukee, Wisconsin 53220

Milwaukee Tax Key
#559-9999-000-1

WHEREAS, Mr. James M. Wilcox is the owner of the above-described property.

WHEREAS, a total of approximately 2,727 tons of petroleum-contaminated soil were excavated and removed from this site. Approximately 300 cubic yards of inaccessible petroleum impacted soil remains on the property. Concentrations of Benzene as high as 140 ug/kg, Ethylbenzene of 3,200 ug/kg, Diesel Range Organics of 1,100 mg/kg and Gasoline Range Organics of 690 mg/kg are present along the perimeter of the property. Off-site impacts beneath S. 76th Street right-of-way, as revealed by soil samples collected during investigations, were minimal.

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

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

- 1) The building that exists on the property, as of the date that this restriction is signed, and the concrete slab on which the building sits shall be repaired and maintained by the property owner, or shall be replaced by a suitable cap or covering, to serve as an impermeable cover over residual petroleum contamination that is located beneath the existing building. If the existing building is demolished or destroyed, the property owner shall take immediate steps to minimize infiltration and shall, as soon as possible, install, maintain and repair a cap or cover to prevent the infiltration of rain water or snow melt in the area that was previously occupied by the building. The design for the cap or cover, and a repair and maintenance plan, shall be approved by the Department of Natural Resources, or its successor agency, prior to the cap or cover's installation. The property owner may propose to utilize the concrete slab on which the existing building sits to satisfy the requirements of this restriction after other portions of the building are removed, but approval of a repair and maintenance plan for the concrete slab must be obtained from the Department of Natural Resources, or its successor agency prior to the building's demolition or as soon as possible after the building's destruction.

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

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

IN WITNESS WHEREOF, the owners of the property have executed this Declaration of Restriction, this 22 day of

July, 19 99

Signature: James M. Wilcox
Printed Name: James M. Wilcox

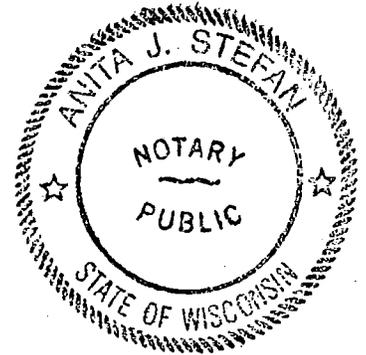
Signature: Lyle R. Wilcox
LYLE R. WILCOX

Subscribed and sworn to before me this 22 day of July 19 99

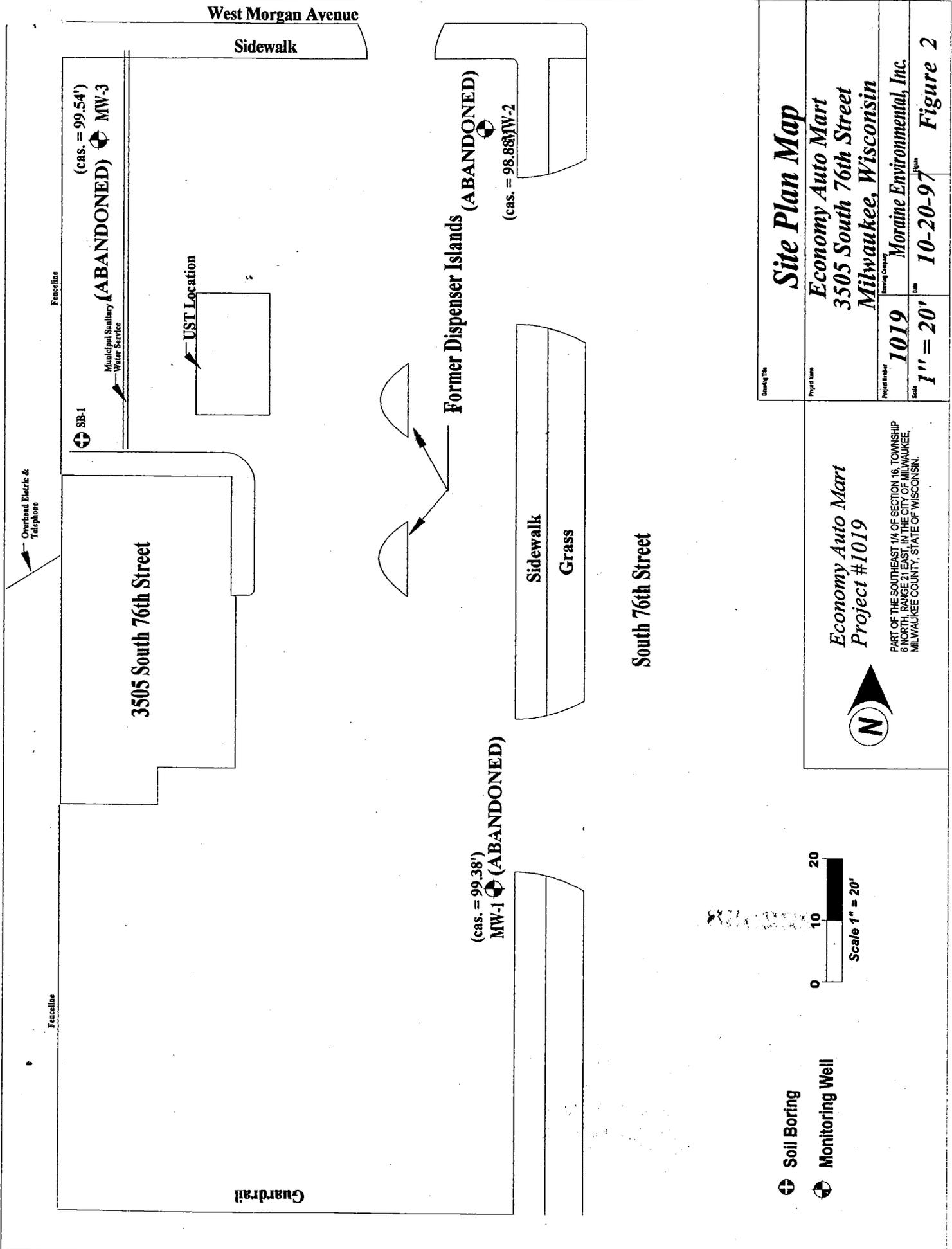
Anita J. Stefan
Notary Public, State of Wisconsin

My commission expires 12-26-99

ANITA J. STEFAN
Notary Public, Milwaukee County
My Commission Expires 12/26/99



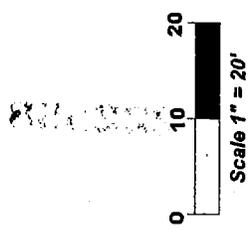
Signature: _____



Site Plan Map	
Economy Auto Mart 3505 South 76th Street Milwaukee, Wisconsin	
Project Name	1019
Project Number	Moraine Environmental, Inc.
Scale	1" = 20'
Figure	10-20-97 Figure 2

Economy Auto Mart
Project #1019

PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 6 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, STATE OF WISCONSIN.



- ⊕ Soil Boring
- ⊕ Monitoring Well

CERTIFICATE NO. **222558**

STATE OF WISCONSIN
MILWAUKEE COUNTY SS.

OFFICE OF
REGISTER OF DEEDS



I, the undersigned,
Register of Deeds of
Milwaukee County,
hereby certify that
this document is a
true and correct copy
of the original on
file or record in
this office.

Witness my hand and
official seal this

~~SEP 10 1999~~
Walter R. Barzak
Walter R. Barzak

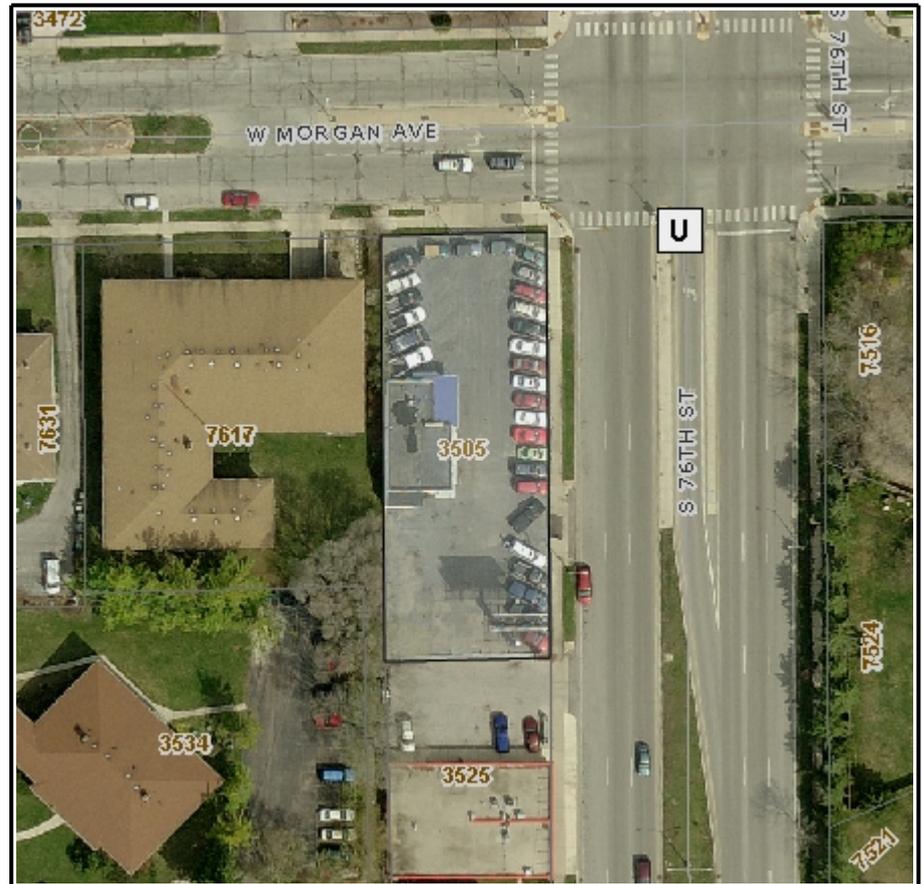
Milwaukee County Land Information Parcel Report

TAXKEY: 5599999000

Report generated 3/10/2011 2:01:28 PM



Parcel location within Milwaukee County



Parcel highlighted in blue

Parcel Information

TAXKEY: 5599999000

Record Date: 04/13/2010

Owner(s): JEFF HOLTZ LLC

Address: 3505 S 76TH ST

Municipality: Milwaukee

Acres: 0.31

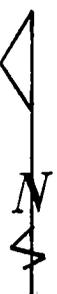
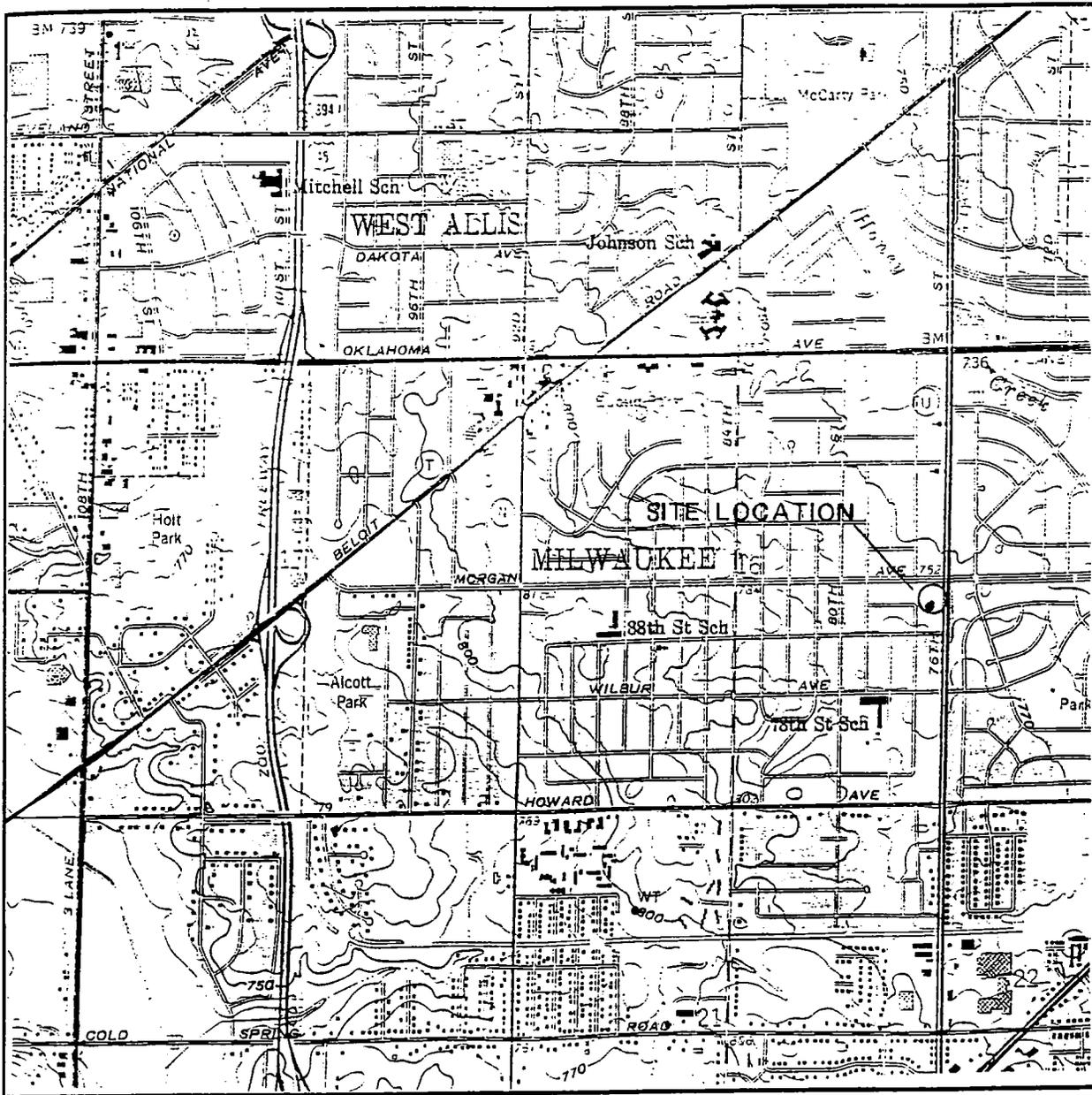
Assessed Value: \$298,100

Parcel Description: COMMERCIAL

Legal Description: LANDS IN SE 1/4 SEC 16-6-21 COM AT NE COR OF SD 1/4 SEC- TH W 132.28'- TH S 233.44'- TH E 132.28'- TH N 233.44' TO BEG EXC STRS



Parcel photo



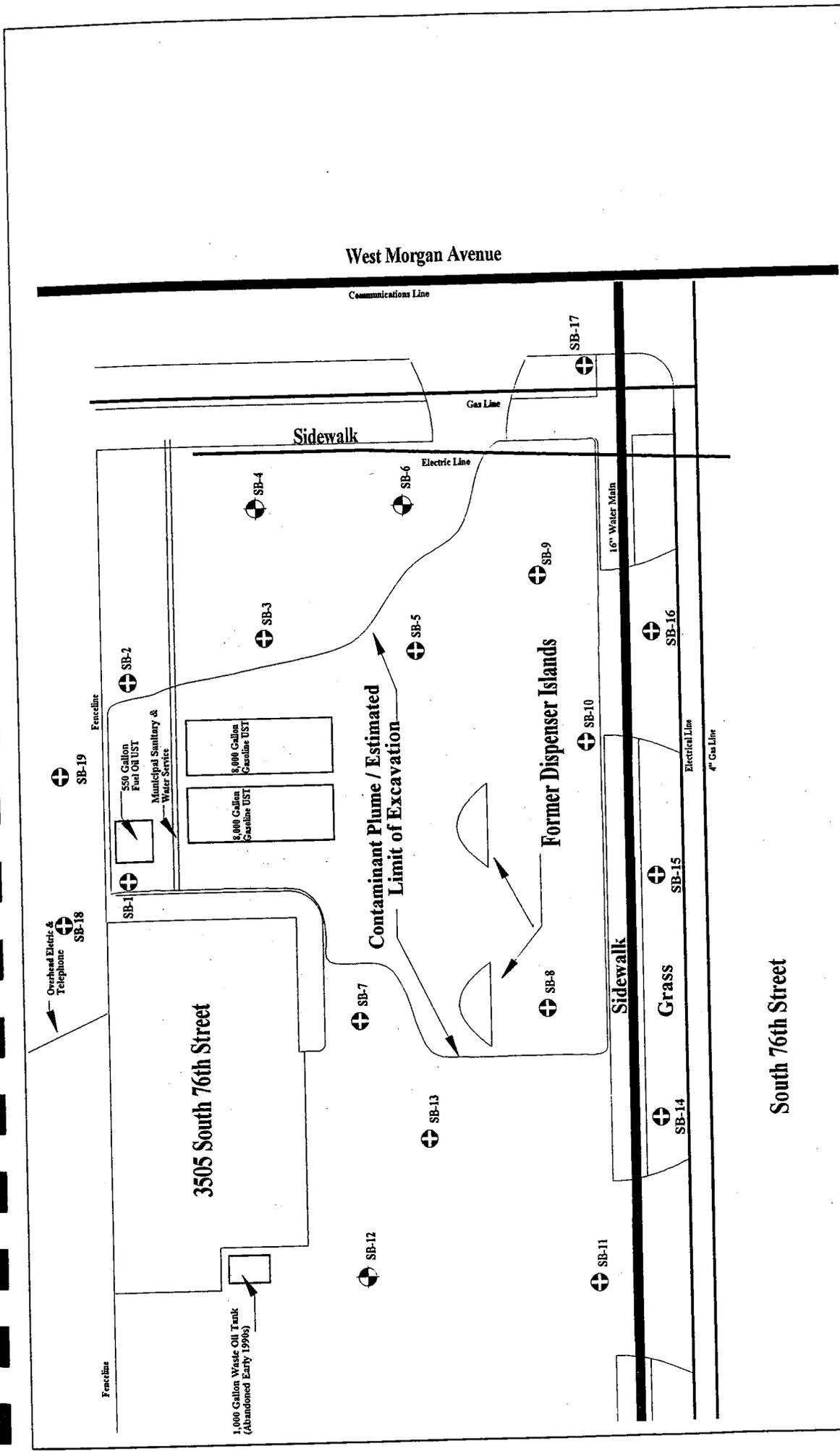
Source: 1976 USGS 7.5 Minute Hales Corners Quadrangle



○ — SITE LOCATION

SCALE 1:24,000

Drawing Title		
Site Location Map		
Project Name		
Economy Auto Mart		
3505 South 76th Street		
Milwaukee, Wisconsin		
Project Number	Drawing Category	
0308	Moraine Environmental, Inc.	
Scale	Date	Figure
1:24,000	10-19-95	Figure 1



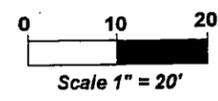
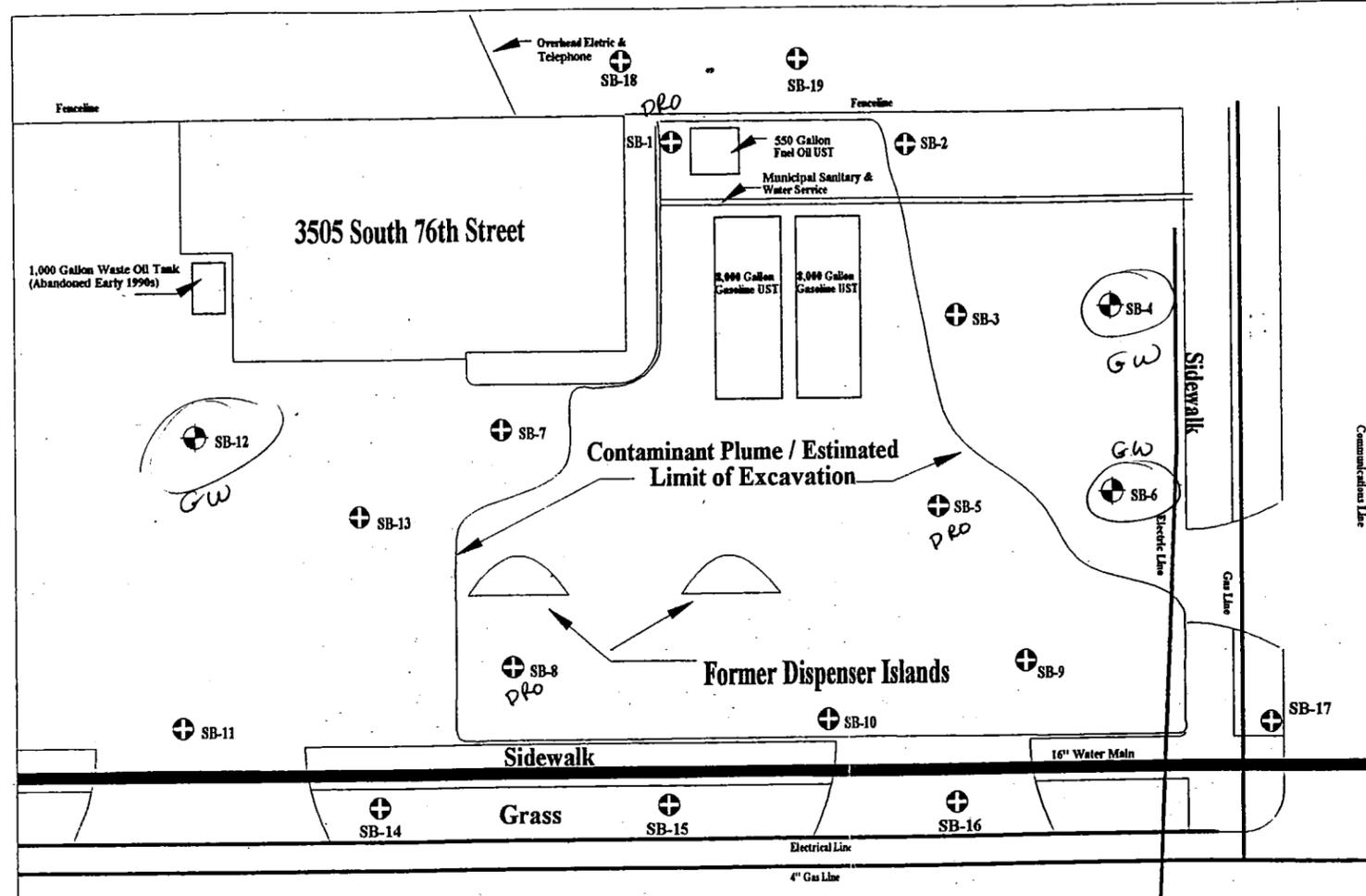
- ⊕ Soil Boring
- ⊙ Temporary Monitoring Well



Economy Auto Mart
Project #1019
PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 6 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, STATE OF WISCONSIN.

Site Plan Map
 Economy Auto Mart
 3505 South 76th Street
 Milwaukee, Wisconsin
 Drawing Title
 Project Name
 Project Number 1019
 Date 12-30-96
 Scale 1" = 20'
 Drawing Company
 Moraine Environmental, Inc.
 Page
 Figure 2

temp. wells
GW -
All had benzene PAL
exceedances



- ⊕ Soil Boring
- ⊗ Temporary Monitoring Well



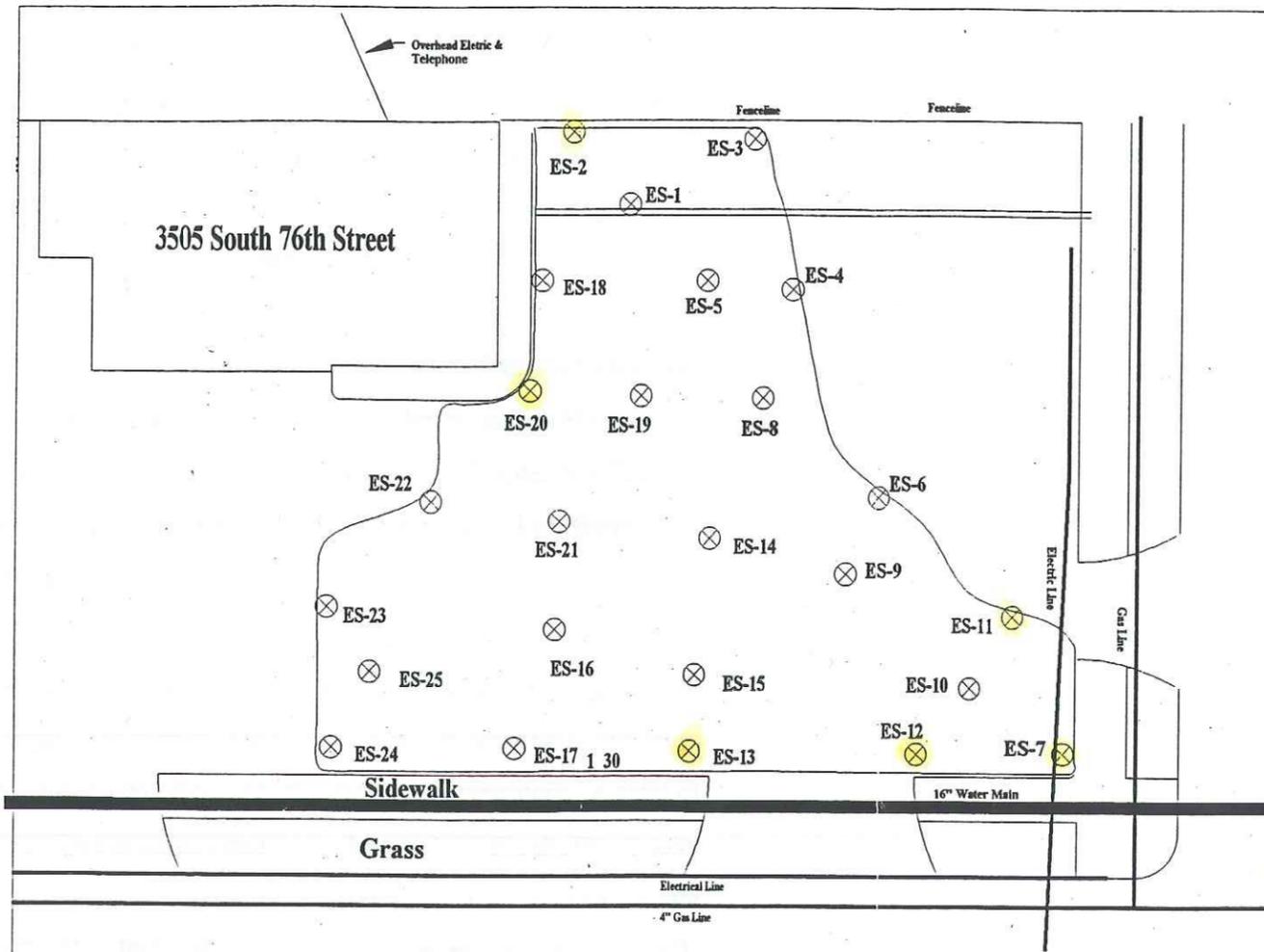
**Economy Auto Mart
Project #1019**

PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 6 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, STATE OF WISCONSIN.

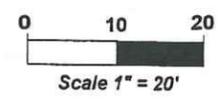
**Subsurface Investigation
Soil Quality Map
Economy Auto Mart
3505 South 76th Street
Milwaukee, Wisconsin**

Project Number: **1019**
Drawing Company: **Moraine Environmental, Inc.**
Date: **12-30-96**
Scale: **1" = 20'**
Figure: **Figure 5**

SB-1/(6-8') GRO-230 DRO-570 BTEX-ND 1,2,4-TMB-300 1,3,5-TMB-190 n-Butylbenzene-180 sec-Butylbenzene-170 p-Isopropyltoluene-140 Naphthalene-220	SB-1/(14-16') GRO-ND DRO-7.2 BTEX-ND	SB-10/(6-8') GRO-110 EB-3400 X-150 1,3,5-TMB-46 n-Butylbenzene-880 sec-Butylbenzene-420 Isopropylbenzene-1000 Naphthalene-2600 n-Propylbenzene-3900	SB-10/(12-14') GRO-ND DRO-5.2 BTEX-ND Naphthalene-38
SB-2/(4-6') GRO-3.6 DRO-4.5 BTEX-ND	SB-2/(14-16') GRO-ND DRO-14 BTEX-ND	SB-11/(4-6') GRO-ND DRO-7.3 BTEX-ND	SB-11/(12-14') GRO-ND DRO-5.9 BTEX-ND
SB-3/(4-6') GRO-3.7 DRO-4.9 BTEX-ND	SB-3/(14-16') GRO-ND DRO-6.8 BTEX-ND	SB-12/(4-6') GRO-ND DRO-ND BTEX-ND	SB-12/(10-12') GRO-ND DRO-7.1 BTEX-ND
SB-4/(6-8') GRO-23 DRO-24 BTEX-ND	SB-4/(12-14') GRO-ND DRO-13 BTEX-ND	SB-13/(4-6') GRO-8.3 DRO-ND BTEX-ND n-Propylbenzene-33	SB-13/(10-12') GRO-ND DRO-ND BTEX-ND
SB-5/(4-6') GRO-430 DRO-440 Benzene-78 Ethylbenzene-1000 Xylene-100 1,3,5-TMB-170 n-Butylbenzene-810 sec-Butylbenzene-380 Isopropylbenzene-480 Naphthalene-890 n-Propylbenzene-1900	SB-5/(12-14') GRO-ND DRO-ND BTEX-ND n-Butylbenzene-36 Naphthalene-40	SB-14/(6-8') GRO-ND DRO-ND BTEX-ND	SB-14/(12-14') GRO-ND DRO-ND BTEX-ND
SB-6/(4-6') GRO-6.0 DRO-4.9 BTEX-ND n-Butylbenzene-43 sec-Butylbenzene-50 Isopropylbenzene-49 Naphthalene-140	SB-6/(12-14') GRO-ND DRO-13 BTEX-ND	SB-15/(6-8') GRO-ND DRO-ND BTEX-ND	SB-15/(10-12') GRO-ND DRO-ND BTEX-ND
SB-7/(4-6') GRO-23 DRO-4.9 Xylene-40 n-Propylbenzene-100	SB-7/(12-14') GRO-ND DRO-8.9 BTEX-ND	SB-16/(8-10') GRO-45 Benzene-48 Ethylbenzene-720 Xylene-47 1,2,4-TMB-1800 1,3,5-TMB-380 n-Butylbenzene-88 sec-Butylbenzene-70 Isopropylbenzene-750 Naphthalene-380 n-Propylbenzene-2500	SB-16/(12-14') GRO-ND DRO-ND BTEX-ND
SB-8/(6-8') GRO-150 DRO-33 Ethylbenzene-8100 Xylene-1400 1,2,4-TMB-910 1,3,5-TMB-2300 n-Butylbenzene-2400 sec-Butylbenzene-920 Isopropylbenzene-2000 Isopropyltoluene-240 Naphthalene-3000 n-Propylbenzene-7400	SB-8/(14-16') GRO-4 DRO-9.6 BTEX-ND	SB-17/(6-8') GRO-ND DRO-ND BTEX-ND	SB-17/(12-14') GRO-ND DRO-ND BTEX-ND
SB-9/(6-8') GRO-53 Benzene-240 Ethylbenzene-240 Toluene-120 Xylene-570 1,3,5-TMB-61 n-Butylbenzene-380 sec-Butylbenzene-270 Isopropylbenzene-1700 Naphthalene-2600 n-Propylbenzene-5100	SB-9/(12-14') GRO-ND DRO-ND BTEX-ND	SB-18/(6-8') GRO-ND DRO-ND BTEX-ND	SB-18/(10-12') GRO-ND DRO-ND BTEX-ND
		SB-19/(6-8') GRO-18 DRO-89 BTEX-ND	SB-19/(12-14') GRO-ND DRO-ND BTEX-ND
<p>NR 720 Soil Standards GRO/DRO-250 ppm Benzene-5.5 ppb Ethylbenzene-2900 ppb Toluene-1500 ppb Xylenes-4100 ppb</p>			



03



⊗ Confirmation Soil Sample Location



Economy Auto Mart
Project #1019

PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 6 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, STATE OF WISCONSIN.

Drawing Title Remediation Soil Sample Location & Soil Quality Map	
Project Name Economy Auto Mart 3505 South 76th Street Milwaukee, Wisconsin	
Project Number 1019	Drawing Company Moraine Environmental, Inc.
Scale 1" = 20'	Date 12-30-96 Figure Figure 6

ES-1 (15') BASE GRO-ND DRO-ND BTEX-ND	ES-8 (14.5') BASE GRO-ND DRO-6.4 BTEX-ND	ES-14 (14') BASE GRO-ND DRO-5.3 BTEX-ND	ES-21 (12.5') BASE GRO-ND DRO-ND BTEX-ND
ES-2 (7') WALL GRO-220 DRO-1100 Ethylbenzene-950 Xylene-80 1,2,4-TMB-490 n-Butylbenzene-3300 sec-Butylbenzene-1600 Naphthalene-5300 Isopropylbenzene-880 n-Propylbenzene-3900	ES-9 (14.5') BASE GRO-ND DRO-ND BTEX-ND	ES-15 (12') BASE GRO-ND DRO-4.3 BTEX-ND	ES-22 (7.5') WALL GRO-11 DRO-4.9 BTEX-ND
	ES-10 (10.5') BASE GRO-ND DRO-ND BTEX-ND	ES-16 (12.5') BASE GRO-ND DRO-3.7 BTEX-ND	n-Butylbenzene-32 sec-Butylbenzene-55 Isopropylbenzene-120 n-Propylbenzene-65
ES-3 (7') WALL GRO-ND DRO-4.1 BTEX-ND	ES-11 (6.5') WALL GRO-32 DRO-7.1 Benzene-54 Ethylbenzene-78 Xylene-82 n-Butylbenzene-360 sec-Butylbenzene-300 Naphthalene-1000 Isopropylbenzene-900 n-Propylbenzene-3000	ES-17 (7') WALL GRO-ND DRO-ND BTEX-ND	ES-23 (7.5') WALL GRO-ND DRO-ND BTEX-ND
ES-4 (7') WALL GRO-5.5 DRO-26 BTEX-ND		ES-18 (8') WALL GRO-ND DRO-ND BTEX-ND	ES-24 (7') WALL GRO-ND DRO-ND BTEX-ND
ES-5 (14') BASE GRO-ND DRO-6.6 BTEX-ND	ES-12 (7') WALL GRO-52 DRO-23 Benzene-73 Ethylbenzene-550 Toluene-50 Xylene-420 1,3,5-TMB-420 n-Butylbenzene-450 sec-Butylbenzene-290 Naphthalene-1900 Isopropylbenzene-1200 n-Propylbenzene-3600	ES-19 (12.5') BASE GRO-ND DRO-ND BTEX-ND	ES-25 (12') BASE GRO-ND DRO-ND BTEX-ND
ES-6 (7.5') WALL GRO-33 DRO-7.0 BTEX-ND n-Butylbenzene-390 sec-Butylbenzene-280 Naphthalene-260 Isopropylbenzene-570 n-Propylbenzene-2200		ES-20 (6') WALL GRO-100 DRO-18 Ethylbenzene-160 Xylene-1100 n-Butylbenzene-490 sec-Butylbenzene-1000 Naphthalene-89 Isopropylbenzene-330 n-Propylbenzene-1600	
ES-7 (6.5') WALL GRO-19 DRO-ND Benzene-140 Ethylbenzene-100 Xylene-160 1,3,5-TMB-130 n-Butylbenzene-160 sec-Butylbenzene-140 Naphthalene-720 Isopropylbenzene-740 n-Propylbenzene-1800	ES-13 (8') WALL GRO-71 DRO-6.0 Ethylbenzene-3200 Xylene-160 1,3,5-TMB-110 n-Butylbenzene-340 sec-Butylbenzene-170 Naphthalene-1500 Isopropylbenzene-880 n-Propylbenzene-2900	NR 720 SOIL STANDARDS GRO-250 PPM DRO-250 PPM BENZENE-5.5 PPB ETHYLBENZENE-2900 PPB TOLUENE-1500 PPB XYLENE-4100	

West Morgan Avenue

Communications Line

Gas Line

Electric Line

Sidewalk

Fence Line

Fence Line

3505 South 76th Street

1,000 Gallon Waste Oil Tank
(Abandoned Early 1990s)

550 Gallon Fuel Oil UST

Municipal Sanitary & Water Service

8,000 Gallon Gasoline UST

8,000 Gallon Gasoline UST

Contaminant Plume / Estimated Limit of Excavation

Former Dispenser Islands

Sidewalk

Grass

South 76th Street

SB-11

SB-14

SB-15

SB-10

16" Water Main SB-16

Electrical Line

4" Gas Line

SB-17

A'

SB-9
R=20'

SB-5
R=100'
SB-78
SB-40
SB-43

SB-7

SB-8
R=30'

SB-13

SB-12

SB-4

SB-6

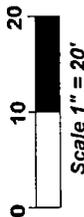
SB-3

SB-2

SB-19

SB-18

Overhead Electric & Telephone



Temporary Monitoring Well



Economy Auto Mart
Project #1019

PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 6 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, STATE OF WISCONSIN.

Geologic Cross Section
Location Map

Economy Auto Mart
3505 South 76th Street
Milwaukee, Wisconsin

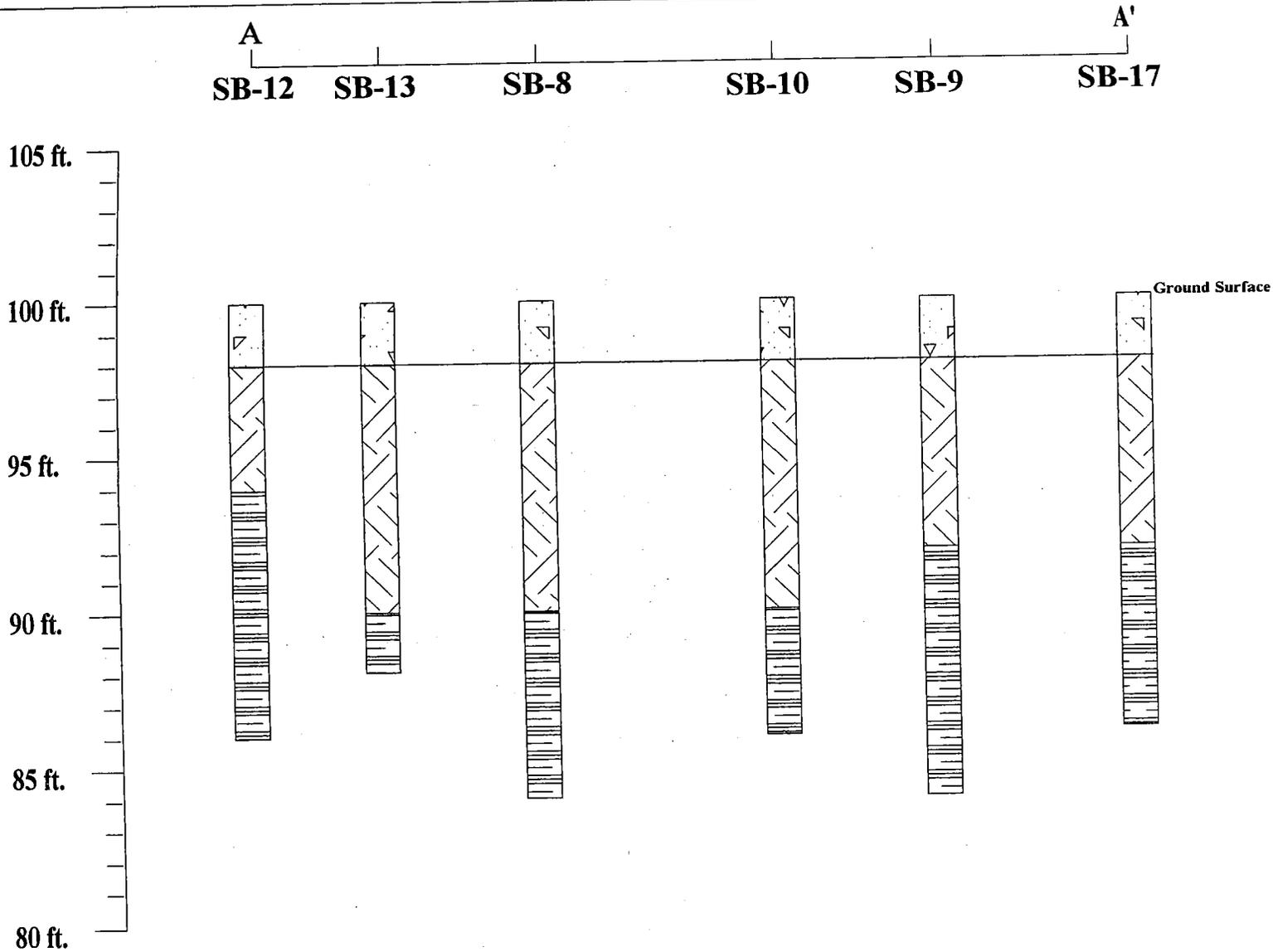
Project Number
1019

Scale
1" = 20'

Drawing Company
Moraine Environmental, Inc.

Date
12-31-96

Figure 3



See Datum = 100 ft.

NOTE: LINES BETWEEN GEOLOGIC COLUMNS INDICATE AREAS OF INFERRED STRATIGRAPHY

Economy Auto Mart
MEI Project #1019
 PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP
 6 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE,
 MILWAUKEE COUNTY, STATE OF WISCONSIN.

Drawing Title

Geologic Cross Section A - A'

Drawing Company

Moraine Environmental, Inc.

Date

12-31-96

Scale:

Vertical Scale: 1" = 5'

Horizontal scale: 1" = 10'

Figure

Figure 4

KEY

- Asphalt, Concrete and Subgrade
- Sand & Gravel, Fill. Some Clay
- Clays:
Brown to Gray Silty Clays
and Clays, Medium to High Plasticity

TABLE 5
SUBSURFACE INVESTIGATION - SOIL QUALITY RESULTS
ECONOMY AUTO MART
OCTOBER 27, 30, 1995 AND JANUARY 24, 1996

Soil Sample ID	Depth (feet bgs)	PID Value (Instrument Units)	Lead mg/kg	GRO mg/kg	DRO mg/kg	Benzene ug/kg	Ethyl Benzene ug/kg	MTBE ug/kg	Toluene ug/kg	1,2,4-Trimethylbenzene ug/kg	1,3,5-Trimethylbenzene ug/kg	Xylenes (total) ug/kg	n-Butylbenzene ug/kg	sec-Butylbenzene ug/kg	Isopropylbenzene ug/kg	p-Isopropyltoluene ug/kg	Naphthalene ug/kg	n-Propylbenzene ug/kg
SB-1	6-8	360	6.3	230	570	*	*	*	*	300	190	*	180	170	*	140	220	*
SB-1	14-16	3.6	9.5	*	7.2	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-2	4-6	15.5	10	3.6	4.5	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-2	14-16	0	9.6	*	14	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-3	4-6	125	7.6	3.7	4.9	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-3	14-16	0.2	6.5	*	6.8	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-4	6-8	1250	53	23	24	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-4	12-14	1.2	7.0	*	13	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-5	4-6	2223	10	430	440	78	1000	*	*	*	170	100	810	380	480	*	890	1900
SB-5	12-14	0	6.9	*	*	*	*	*	*	*	*	*	36	*	*	*	40	*
SB-6	4-6	99.1	10.0	6	4.9	*	*	*	*	*	*	*	43	50	49	*	140	90
SB-6	12-14	0	7.4	*	13	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-7	4-6	423	13	23	4.9	*	*	*	*	*	*	40	*	*	*	*	*	100
SB-7	12-14	0	6.5	*	8.9	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-8	6-8	1184	15	150	33	*	8100	*	*	910	2300	1400	2400	920	2000	240	3000	7400
SB-8	14-16	0.3	9.5	4	9.6	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-9	6-8	82.8	10	53	*	140	240	*	120	*	61	570	380	270	1700	*	2600	5100
SB-9	12-14	2.1	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-10	6-8	331	12	110	41	*	1400	*	*	*	46	150	880	420	1000	*	2600	3900
SB-10	12-14	0	9.2	*	5.2	*	*	*	*	*	*	*	*	*	*	*	38	*
SB-11	4-6	25.8	16	*	7.3	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-11	12-14	0	11	*	5.9	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-12	4-6	24.9	16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-12	10-12	0	9.2	*	7.1	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-13	4-6	99.5	18	8.3	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-13	10-12	0.7	7.3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-14	6-8	0	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

TABLE 5
SUBSURFACE INVESTIGATION - SOIL QUALITY RESULTS
ECONOMY AUTO MART
OCTOBER 27, 30, 1995 AND JANUARY 24, 1996

Soil Sample ID	Depth (feet bgs)	PID Value (Instrument Units)	Lead mg/kg	GRO mg/kg	DRO mg/kg	Benzene ug/kg	Ethyl Benzene ug/kg	MTBE ug/kg	Toluene ug/kg	1,2,4-Trimethylbenzene ug/kg	1,3,5-Trimethylbenzene ug/kg	Xylenes (total) ug/kg	n-Butylbenzene ug/kg	sec-Butylbenzene ug/kg	Isopropylbenzene ug/kg	p-Isopropyltoluene ug/kg	Naphthalene ug/kg	n-Propylbenzene ug/kg
SB-14	12-14	0	9.1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-15	6-8	1	9.9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-15	10-12	0.4	9.3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-16	8-10	24	7.5	45	*	48	720	*	*	1800	380	47	88	70	750	*	380	2500
SB-16	12-14	0.4	8.9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-17	6-8	1.3	9.7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-17	12-14	1	9.4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-18	6-8	0	6.9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-18	10-12	0	8.8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-19	6-8	5.6	8.5	18	89	*	*	*	*	*	*	*	*	*	*	*	*	*
SB-19	12-14	0	8.7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D-1		18	36	390	34	**	**	**	**	**	**	**	**	**	**	**	**	**
NR 720 STANDARDS			50	250	250	5.5	2900	NSE	1500	NSE	NSE	4100	NSE	NSE	NSE	NSE	NSE	NSE

KEY:
 ** - Not Tested
 * - No Detect
 PID Values - Instrument IUs Units as Isobutylene
 NSE - No Standard Established

mg/kg - milligrams/kilogram (equivalent to parts per million - ppm)
 00.00 - Indicates Concentrations Exceeding WDNR Generic RCL

IUs - Indicates concentration equivalent
 ug/kg - micrograms/kilogram (equivalent to parts per billion (ppb))