



Site Investigation and Request For Case Closure Report

Former 2636 West State Street
and 2622-26 West State Street
Milwaukee, Wisconsin

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Prepared For:

Redevelopment Authority of the City of Milwaukee
Milwaukee, Wisconsin

September 13, 2005
Project No. 1E-9907009



GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Dallas, TX
- Los Angeles, CA
- Milwaukee, WI
- Orlando, FL
- Washington, D.C.

September 13, 2005

Redevelopment Authority
City of Milwaukee
809 North Broadway, 2nd Floor
Milwaukee, WI 53202

Attention: Mr. Dave Misky
Environmental Scientist

Subject: Site Investigation and Request for Case Closure Report
Former 2636 West State Street
and 2622-26 West State Street
Milwaukee, Wisconsin
Giles Project No. 1E-9907009

Dear Mr. Misky:

In accordance with your request and subsequent authorization, we have completed the attached *Site Investigation and Request for Case Closure Report* on the above-referenced property. A copy of the report, a Case Summary and Close Out Form, and the soil and groundwater GIS Registry packets have been submitted to the Wisconsin Department of Natural Resources (WDNR) for their review and decision. The combined review fee and GIS registry maintenance fee of \$1,200.00 has also been forwarded to the WDNR.

We appreciate the opportunity to be of service on this project. If there are any questions regarding the information contained herein, or if we can be of any additional service, please contact the undersigned at your convenience.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

Erika L. Pape, CHMM
Staff Environmental Scientist II

Kevin T. Bugel, P.G.
Project Hydrogeologist II

Distribution: Redevelopment Authority of the City of Milwaukee
Attn: Mr. Dave Misky (1)
Wisconsin Department of Natural Resources
Attn: Ms. Margaret Brunette (1)

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SITE INVESTIGATION AND REQUEST FOR CASE CLOSURE REPORT

FORMER 2636 WEST STATE STREET
AND 2622-26 WEST STATE STREET
MILWAUKEE, WISCONSIN
PROJECT NO. 1E-9907009

EXECUTIVE SUMMARY

Giles Engineering Associates, Inc. (Giles) has completed Site investigation activities at the property (Site) located at former 2636 West State Street and 2622-26 West State Street, in the City of Milwaukee, Milwaukee County, Wisconsin in general accordance with Natural Resources (NR) Chapter 716 (NR 716) of the Wisconsin Administrative Code (WAC). The environmental services were performed at the request and authorization of the Redevelopment Authority of the City of Milwaukee (RACM), in accordance with our proposals prepared in 1999, 2001, and 2005.

2636 West State Street was formerly occupied by a filling station (with possible auto repair services) from approximately 1935 to 1970. According to a 1910 Sanborn Fire Insurance Map with updates through 1931, a total of nine underground storage tanks (USTs) were formerly located on Site. The majority of former 2636 West State Street is currently part of the North 27th Street right-of-way (ROW). Historical land uses of environmental concern at the adjacent 2622-26 West State Street include a printing shop, laundromat, fire extinguisher company, match company, heating contractor, construction company, paint and linoleum store, and advertising service.

No unknown magnetic anomalies were detected during a magnetometer survey performed in 1999, suggesting that buried ferrous objects no longer exist at the Site. As part of the Site investigation activities, forty-three Geoprobe[®] soil borings were advanced and six NR 141-compliant groundwater monitoring wells were installed on and off Site to the south and east.

The subsurface material at the Site consists generally of fill material underlain by of brown and gray silty clay with discontinuous seams of silty fine to coarse sand and gravel. Low soil conductivity is suggested by book values and the ability of the perimeter monitoring wells to be purged dry. The groundwater table for the Site and vicinity varies between approximately six and 15 feet below ground surface (bgs). Groundwater flow is generally in a south to southwesterly direction.

Petroleum odors and volatile vapors were detected in soil samples from several borings during the subsurface exploration. Review of the soil laboratory analytical data indicates that soil samples collected from 4 to 16 feet bgs from the southwestern to south-central portion of the Site (vicinity of former UST area) exhibited concentrations of petroleum volatile organic compounds (PVOCs) exceeding NR 746 Table 1 residual petroleum product indicator levels and/or NR 720.09 generic residual contaminant levels (RCLs).

Review of the soil laboratory analytical data also indicates two potential oil/waste oil surface spill areas. Lead was detected in soil samples collected from 0 to 4 feet bgs from the west-central portion of the Site at concentrations exceeding the NR 720.11 direct-contact RCL for a non-industrial property. Polychlorinated biphenyls (PCBs) were also detected in soil samples submitted from this area, but at concentrations below the Wisconsin Department of Natural Resources (WDNR) clean-up level. Polynuclear aromatic hydrocarbons (PAHs) were detected above WDNR suggested generic, direct-contact RCLs for a non-industrial property in near-surface soil samples submitted from this area and from an additional area at the western edge of the Site. Forty tons of soil containing characteristically-hazardous concentrations of lead were excavated and removed from the west-central area.



A total of six groundwater sampling events have been performed. PVOCs were not detected above laboratory method detection limits (MDLs) in groundwater samples submitted from perimeter monitoring wells MW1 through MW4 during the most recent sampling event on February 4, 2005. PVOCs were detected above NR 140 enforcement standards (ESs) and/or preventive action limits (PALs) in groundwater samples submitted from MW5 and MW6 during the February 4, 2005 sampling event. Mann-Kendall statistical analysis of the groundwater data collected from MW5 and MW6 suggests no trend or decreasing trends in the groundwater plume. Additional analyses were performed using groundwater samples submitted from MW3 during the February 28, 2001 sampling event. One PCB (Aroclor) was detected and the concentration exceeds the NR 140 ES. The PCB ES exceedance detected in MW3 is considered anomalous, or related to suspended sediment in the sample, because of the extreme hydrophobic nature of PCBs.

Conditions at and downgradient of the Site are conducive for aerobic natural attenuation of petroleum impacts. Additionally, groundwater collected from the impacted wells has shown evidence of microbial degradation (methane production) in conjunction with decreasing groundwater impacts.

An NR 716-compliant subsurface investigation and an NR 746 risk-screening evaluation have been completed at the Site. No significant risk to human health or the environment has been identified as a result of the release from the former USTs. It is Giles' opinion that the petroleum-impacted groundwater will continue to be remediated via natural attenuation. Therefore, Giles, on behalf of the RACM, requests that the WDNR grant case closure for the Site, subject to the conditions that the Site is placed on the soil and groundwater GIS Registry of Closed Remediation Sites, that turf/pavement maintenance agreements are filed to prevent direct-contact exposure with residual PAH and lead impacted near-surface soil, and that the monitoring wells are abandoned in accordance with Chapter NR 141 following case closure.



INTRODUCTION

Giles Engineering Associates, Inc. (Giles) completed Site investigation activities at the property (Site) located at former 2636 West State Street and 2622-26 West State Street, in the City of Milwaukee, Milwaukee County, Wisconsin in general accordance with Natural Resources (NR) Chapter 716 (NR 716) of the Wisconsin Administrative Code (WAC). The environmental services were performed at the request and authorization of the Redevelopment Authority of the City of Milwaukee (RACM), in accordance with our proposals prepared in 1999, 2001, and 2005.

The Site investigation activities were performed in response to a *Phase I Environmental Site Assessment* (Phase I ESA), dated July 6, 1999 and prepared by the City of Milwaukee Health Department and the Department of City Development, that indicated that the Site was historically occupied by gasoline service stations, a possible auto repair facility, and other land uses including a printing shop and match company. Site investigation activities indicated the presence of petroleum-impacted soil and groundwater. Remedial activities were performed in response to characteristically-hazardous concentrations of lead in near-surface soil. Giles field personnel conducted environmental subsurface exploration activities on October 7, 1999, January 14, 2000, February 28, 2000, December 19, 2000, April 10, 2001, and January 25, 2005.

The goals of this investigation were to evaluate soil conditions and groundwater quality at the Site in general accordance with the WAC, ch. NR 716. In addition, the results of this investigation were used to determine effective and cost-efficient methods of remediation. Important Information regarding this geoenvironmental report is included in Appendix A.



1. SCOPE OF SERVICES AND LIMITATIONS

1.1. Scope of Services

The following scope of services was performed in conjunction with investigation activities at the Site and included:

- ◆ Prepared and implemented a site-specific health and safety plan in accordance with 29 CFR 1910 for field activities performed by Giles at the Site;
- ◆ Completed forty-three (43) Geoprobe® soil borings (P1 through P29 and GP1 through GP14) to termination depths ranging from 4 to 28 feet below the ground surface (bgs). Six (6) Geoprobe® borings were converted to temporary monitoring wells. A 10-foot temporary monitoring well screen was installed in each of the nine borings;
- ◆ Constructed and developed six (6) NR 141-compliant groundwater monitoring wells set to depths ranging from 19 to 21 feet bgs; a 10 or 15-foot monitoring well screen was used in the construction of the six monitoring wells.
- ◆ Coordinated and monitored the subsurface exploration activities including locating and logging the soil borings, arranging for off-site access, and abandoning the Geoprobe® soil borings;
- ◆ Subjected the soil samples collected from the soil borings to a visual evaluation, soil classification, and field screening for the presence of volatile organic vapors using a photoionization detector (PID);
- ◆ Submitted 36 select soil samples collected from the borings to an analytical laboratory for the chemical analysis of volatile organic compounds (VOCs) or petroleum volatile organic compound (PVOCs) and gasoline range organics (GRO) and/or diesel range organics (DRO). 37 soil samples were submitted for the chemical analysis of polynuclear aromatic hydrocarbons (PAHs), and 42 soil samples were submitted for the chemical analysis of lead. Certain select soil samples were also submitted for analysis of polychlorinated biphenyls (PCBs), toxicity characteristic leachate procedure (TCLP) lead, and cadmium.
- ◆ Collected six (6) groundwater samples from the temporary monitoring wells installed in Geoprobe® borings P1, P2, P4, P7, P12, and P17, and submitted them to an analytical laboratory for the chemical analysis of VOCs and lead (P1, P2, and P4).
- ◆ Completed six (6) groundwater sampling events from the NR 141-compliant groundwater monitoring wells. Groundwater samples collected during the sampling events were submitted to a laboratory for the chemical analysis of VOCs or PVOCs. Groundwater samples from select sampling events were also submitted for lead and



natural attenuation parameter analyses. A groundwater sample from a select monitoring well was submitted for DRO, cadmium, PAH, and PCB laboratory analyses.

- ♦ Evaluated the results of the soil and groundwater chemical analyses and the subsurface conditions encountered on the Site;
- ♦ Evaluated the historic and current information collected;
- ♦ Performed excavation and removal of soil containing characteristically hazardous concentrations of lead;
- ♦ Prepared this report documenting the Site investigation and remedial activities, findings, and conclusions.

2. DESCRIPTION OF SITE

2.1. Setting and Location

The Site is located at the northeast corner of North 27th Street and West State Street, at former 2636 West State Street (currently part of the North 27th Street right-of-way [ROW]) and 2622-26 West State Street, in the City of Milwaukee, Milwaukee County, Wisconsin. The Site is situated at latitude 43.04377° north, longitude 87.94728° west. The Wisconsin Transverse Mercator (WTM, 1991) coordinates are 687197, 287690. Figure 1 illustrates the general location of the Site.

2.2. Current Property Use and History

The Site is comprised of former 2636 West State Street, which is currently part of the North 27th Street ROW with grassy and sidewalk areas; and the parcel designated as 2622-26 West State Street, which is occupied by a 3,645 square-foot commercial building, an asphalt parking lot, and a grassy area adjacent to the North 27th Street ROW. 2622-26 West State Street is approximately 0.34 acre in size. Topographically, the Site is relatively flat lying and gently slopes in a southerly direction. The features of the Site are shown on Figure 2.

Review of the Phase I ESA for the Site indicates that in 1974, The RACM acquired the vacant land from 2622 West State Street through 2636 West State Street for the purpose of widening North 27th Street. This transaction did not include the commercial building at 2622-26 West State Street. In 1977, Following the ROW widening, the remnant strip of land was sold to the owner of 2622-26 West State Street. In 1989, the RACM purchased the combined property from the private owner.

Review of the Phase I ESA for the Site indicates that 2636 West State Street was occupied by a gasoline filling station (with possible auto repair) from approximately 1935 through 1970. According to City of Milwaukee inspection records, filling station structures were razed in 1956 and 1975, and no underground storage tanks (USTs) were found upon inspection in 1975. No other records indicate removal of USTs. However, according to a 1910 Sanborn Fire Insurance



Map with updates through 1931, a total of nine USTs were located on Site.

Review of the Phase I ESA also indicates that historical land uses of 2622-26 West State Street also raised environmental concerns. These land uses include a printing shop, laundromat, fire extinguisher company, match company, heating contractor, construction company, paint and linoleum store, and advertising service.

Giles conducted a magnetometer survey of the Site in 1999 to assess for the potential presence of large buried ferrous objects, such as USTs. The survey was conducted by walking a grid across the Site and taking a reading every 10 feet on an 856 Proton Precession Magnetometer. Magnetic anomalies were detected that can be associated with a metal bar, an aluminum electric panel, and a police call box. No unknown magnetic anomalies were detected, suggesting that buried ferrous objects no longer exist at the Site. Limitations of the magnetometer survey include the size of the survey grid and interference from parked cars and structures.

Giles prepared a *Request for Off-Site Discharge Exemption Letter*, dated November 21, 2000, on behalf of the RACM, for the 2622-26 West State Street parcel. The RACM was seeking exemption from liability associated with the petroleum release(s) originating from the former 2636 West State Street parcel for a prospective purchaser of 2622-26 West State Street. The WDNR granted the exemption in a letter dated May 7, 2001. However, the sales transaction did not occur. 2622-26 West State Street remains owned by the RACM.

The WDNR was notified by Giles of the petroleum-impacted soil at the Site in October 1999. The WDNR issued a responsible party (RP) letter to the RACM on November 23, 1999. A corrected RP letter was sent to the RACM on December 2, 1999. The original RP letter mistakenly indicated the presence of foundry sand. Even though the RP letter was corrected, the Site remained an Environmental Repair Program (ERP No. 02-41-233634) activity. The WDNR issued a "Tickler Letter" for this activity on November 14, 2002. One diesel UST and eight leaded gasoline USTs have been registered to 2636 West State Street. The RACM received Petroleum Environmental Clean-up Fund (PECFA) eligibility for the Site on September 20, 2000.

In December 2000, Giles notified the WDNR of a possible waste oil surface release at the Site, which is separate from the known gasoline release from leaking USTs. In response to this notification, the WDNR issued another RP letter for the Site with a separate ERP number (02-41-274835).

3. SITE INVESTIGATION PROCEDURES

3.1. Soil Exploration Methods

Direct-push (Geoprobe®) sampling techniques were used to obtain soil samples and evaluate the potential presence of impacted soil at the Site. Giles completed nine Geoprobe® soil borings (P1 through P9) to depths ranging from 16 feet to 28 feet bgs on October 7, 1999. Eight additional Geoprobe® soil borings (P10 through P17) were generally completed to termination depths ranging from 16 to 20 feet bgs on January 14, 2000. Probe refusal was experienced at 5.5 feet bgs during the advancement of P14. Giles completed eight subsequent Geoprobe® soil borings (P18 through P25) to eight feet bgs on December 19, 2000. However, probe refusal was



experienced at five feet bgs during the advancement of P22. On April 10, 2001, four additional soil borings (P26 through P29) were completed to termination depths ranging from 8 to 14 feet bgs. Additionally, to further define impacts from suspected surface spills, Giles advanced 14 Geoprobe® soil borings (GP1 through GP14) to 3.5 to 4 feet bgs on January 25, 2005. The Geoprobe® soil samples were obtained continuously for each boring to the termination depths using a 1.25-inch inside-diameter (ID), 4-ft. long sample barrel. The Geoprobe® soil samples were collected at 2-foot intervals.

Six soil borings (MW1 through MW6) were completed with a conventional drill rig using hollow-stem augers. Borings MW1 through MW6 were installed to termination depths ranging from 19 to 21.5 feet bgs on February 28, 2000. Boring MW1 was installed in the alley to the east of 2622-26 West State Street. Boring MW2 was installed in the ROW to the south of the Site, across West State Street. Borings MW3 through MW6 were installed in and surrounding the former leaking gasoline UST area. Samples were obtained continuously, at 2-foot intervals, to the termination depths.

Soil sampling equipment decontamination procedures were performed between sampling intervals and between each boring to limit cross-contamination. Soil samples were classified in the field in general accordance with the Unified Soil Classification System (USCS) and the American Society for Testing and Materials (*ASTM D-2488-75*). The soil classifications were documented on the *Records of Subsurface Exploration* forms included in Appendix B. The boring elevations shown on the *Records of Subsurface Exploration* forms were determined using conventional surveying techniques and were referenced to a temporary benchmark indicated on Figure 2 (finished floor of the building on Site) with an assumed elevation of 100 feet.

Upon completion of soil and/or groundwater sample collection from each boring that was not converted into a groundwater monitoring well, the open boreholes were abandoned with granular bentonite in accordance with NR 112 and NR 141. Copies of the WDNR Borehole Abandonment Forms (WDNR Form 4400-113A) are included in Appendix C.

3.2. Groundwater Exploration Methods

Six temporary monitoring wells (P1, P2, P4, P7, P12, and P17) were installed during the Site investigation. The temporary monitoring wells were constructed of a 10-foot long, 1-inch diameter polyvinyl chloride (PVC), 0.01-inch slotted screen, and flush-jointed riser piping. The temporary monitoring wells were installed from 28 to 16 feet bgs and screened to 18 to 6 feet bgs to provide an initial assessment the groundwater environmental conditions at the Site.

Six NR 141-compliant groundwater monitoring wells (MW1 through MW6) were also installed during the Site investigation activities. The monitoring wells were constructed of 2-inch diameter polyvinyl chloride (PVC) and were set at depths of 19 feet (MW4), 20 feet (MW2, MW5, and MW6), and 21 feet (MW3) bgs. The monitoring wells were constructed of 10 feet (MW4) or 15 feet of 2-inch ID, factory-cut 0.010-inch slotted schedule 40 PVC screen. In accordance with NR 141, the groundwater monitoring wells were completed at the surface with concrete pads and steel, bolt-down, flush-mount protective cover assemblies (MW1, MW2, and MW4), or with a protective, above-ground pipe (MW3, MW5, and MW6). Copies of the Monitoring Well Construction Forms (WDNR Form 4400-113A) are included in Appendix D.



3.3. Sample Collection

3.3.1. Soil Field Screening and Soil Sample Collection

Soil headspace field screening was generally performed on soil samples collected from each boring to provide an in-field assessment of the potential presence of volatile organic vapors for a discrete interval bgs. When organic vapors are detected, this information may be used to make adjustments in the field (i.e. vertical or horizontal vapor profiling). In addition, this information may be used to assist in the selection of appropriate samples for laboratory analysis.

Soil samples were collected from each 2-foot interval, placed in 8-ounce (oz) sampling jars, and subjected to headspace field screening for volatile organic vapors with a PID equipped with an 11.7 or 10.6 electron volt (eV) bulb. Soil samples for targeted intervals were split into two replicate sample portions. One sample portion was field screened, and the second portion was placed in a laboratory-supplied container and stored on ice in a cooler. Headspace field screening was completed using a PID calibrated with isobutylene standard gas to a benzene equivalent. The field screening sample containers were partially filled with soil, covered with foil and sealed with metal lids, agitated, and allowed to warm to approximately 70°F prior to the headspace field screening. The PID tip was inserted through the foil into the headspace of the jar and the maximum reading was recorded.

Based on the results of the PID field screening and/or the specifications of the sampling plan, 42 soil samples were selected for laboratory analysis. One to three samples were collected from each soil boring, with the exception of P14 and MW1 through MW6. Laboratory soil sample intervals are shown on Giles' *Record of Subsurface Exploration* forms included in Appendix A. Soil samples were submitted to Analytical Process Labs (APL), Inc. (WDNR Certification No. 241340550) for analysis of GRO (WI Modified GRO Method), DRO (WI Modified DRO Method), lead (EPA Method 6010), VOCs (EPA Method 8260), PVOCs (WI Modified PVOC Method), PAHs (EPA Method 8310 or 8270), PCBs (EPA Method 8082), and cadmium (EPA Method 6010).

Approximately 25 grams and 25 milliliters (mL) of laboratory-supplied methanol were added to tared, 2-ounce (oz), laboratory-supplied glass jars and sealed with Teflon™-lined lids for GRO, VOC (8260), and PVOC analyses. For DRO, PAH, PCB, lead, and cadmium analyses, laboratory-supplied 250-mL plastic containers were packed full of soil and sealed with Teflon™-lined lids. Soil samples were stored and preserved for transport in a cooler with ice. The sample collection, preservation, storage, and transportation were performed in general accordance with WDNR and ASTM requirements.

3.3.2. Groundwater Sample Collection

Groundwater samples were collected from the temporary monitoring wells. To facilitate groundwater sample collection, Teflon™ tubing was installed in each well and groundwater samples were lifted via a peristaltic sampling pump. Temporary well samples were submitted to APL for VOC (8260) and lead (EPA Method 239.2) analyses.



Giles developed NR 141-compliant groundwater monitoring wells MW1, MW2, and MW4 through MW6 on March 2, 2000. MW3 was developed on March 17, 2000. The monitoring wells were developed with a plastic disposable bailer and new poly rope. Prior to developing the monitoring wells, groundwater level measurements were made with an electronic groundwater level indicator. Copies of the Monitoring Well Development Forms (WDNR Form 4400-113B) are included in Appendix E.

The NR 141-compliant groundwater monitoring wells were purged and sampled with plastic disposable bailers and new poly rope during six sampling events performed in the years 2000, 2001, and 2005. Groundwater level measurements were documented prior to monitoring well purging and sampling. Down-well, in-field natural attenuation indicator parameters consisting of dissolved oxygen, oxidation-reduction potential, pH, temperature, specific conductance, were also measured and recorded during the groundwater sampling events. Groundwater samples were submitted to APL for VOC (8260), PVOC (WI Modified PVOC Method), and soluble lead (EPA Method 239.2) analyses. During the sampling event on February 28, 2001, groundwater samples collected from MW3 were also submitted for DRO, cadmium, PAH, and PCB analyses. Groundwater samples were submitted from the groundwater monitoring wells for dissolved iron, manganese, sulfate, and methane analyses during the groundwater sampling event on June 20, 2000. Groundwater samples were also submitted for methane analysis during the October 27, 2000, February 28, 2001, and August 29, 2001 sampling events.

For VOC, PVOC, and methane laboratory analyses, groundwater samples from each sampling location were placed into three to four laboratory-supplied, HCl-preserved, 40-ml glass vials. Groundwater samples were field-filtered and placed in laboratory-supplied, HNO₃-preserved, 125 to 250-mL plastic bottles for soluble lead and cadmium analyses. Groundwater samples were field-filtered and placed in laboratory-supplied, H₂SO₄-preserved, 125 to 250-mL plastic bottles for iron, manganese, and sulfate analyses. For DRO and PAH laboratory analyses, groundwater samples were placed in 1-liter (L) amber glass jars. Groundwater samples were placed in 500-mL plastic bottles for PCB laboratory analysis. Upon collection, the groundwater samples were placed on ice in a cooler for storage and transport. The collection, preservation, storage, and transportation of the groundwater samples were performed in general accordance with WDNR and ASTM requirements.

4. INVESTIGATIVE WASTE MANAGEMENT

The soil cuttings generated during the installation of boring MW5 were drummed and staged on Site. On July 20, 2005 the drum was transported by Waste Management to the Waste Management Orchard Ridge facility in Menomonee Falls, Wisconsin for biopile treatment. The investigative waste was profiled and approved under the Waste Management Profile No. BIO487395. Soil cuttings generated during the installation of borings MW1 through MW4 and MW6 were thin spread on Site due to the relatively low PID readings. Purge water generated during the February 4, 2005 sampling event was transported to National Tank Service in West Allis, Wisconsin. Purge water generated during monitoring well development and previous



sampling events was thin spread on the asphalt pavement on Site to facilitate evaporation. The Waste Management Approval Letter and the signed National Tank Service Shipping Order are included in Appendix F.

5. SITE INVESTIGATION RESULTS

5.2. Subsurface Soil Conditions

The surficial materials observed at the majority of boring locations consisted of grass and top soil. Four to six inches of concrete underlain by 18 to 20 inches of base course material were observed at the surface of MW1 and MW2. Approximately three inches of asphaltic concrete were observed at the surface of P4 through P6, P28, GP1, and GP2. The surface materials were generally underlain by fill material consisting of dark brown silty clay to silt and brown silty fine sand and gravel to termination depths ranging from 0 to 8 feet bgs. Native soil consisting primarily of brown to gray silty clay with variable amounts of fine to coarse sand and gravel were observed beneath the fill material. Seams of silty fine to coarse sand and gravel were also observed. Petroleum odors were noted during the sampling of borings P1, P2, P8 through P10, P16 through P21, P23 through P25, P29, MW3, MW5, and MW6. A Cross-Section Location Plan (Figure 3), Cross-Section A-A' (Figure 4), and Cross-Section B-B' (Figure 5) are attached.

5.3. Soil Field Screening and Laboratory Analytical Results

PID headspace in-field screening results were recorded on the *Records of Subsurface Exploration* for each representative interval collected. Review of the *Records of Subsurface Exploration* indicates PID detection of organic vapors in samples collected from soil borings P1, P2, P7 through P10, P16 through P21, P23 through P25, P29, and MW3 through MW5, ranging from 3 to 2,000 plus instrument units. Volatile vapors were not detected in the soil samples collected from the remaining soil borings. The *Records of Subsurface Exploration* are included in Appendix B.

As reflected in the PID results mentioned above, soil samples submitted from soil borings advanced in the southwestern to south-central portion of the Site, from depths ranging from 4 to 16 feet bgs contained concentrations of PVOs exceeding NR 746 Table 1 residual petroleum product indicator levels and/or NR 720.09 generic residual contaminant levels (RCLs) based on groundwater protection. DRO was detected above the generic NR 720.09 RCL in soil samples submitted from 2 to 6 feet bgs from soil borings advanced in the west-central portion of the Site.

Lead was detected in the near-surface samples submitted from soil borings advanced in the west-central portion of the Site. Lead concentrations in this area exceeded the NR 720.11 direct-contact RCL for a non-industrial property. Additionally, the soil sample submitted from the 2 to 4 foot interval of boring P7 contained a characteristically hazardous concentration of lead (Toxicity Characteristic Leachate Procedure [TCLP] lead concentration of 6.5 mg/L). Cadmium was not detected above laboratory method detection limits (MDLs) in the eight soil samples submitted (P26 through P29) for cadmium analysis.



PAH concentrations exceeding WDNR suggested generic, direct-contact RCLs for a non-industrial property were detected in soil samples submitted from the 2 to 4-foot interval of borings advanced in the impacted near-surface area described above and in an additional area near the western edge of the Site. Soil samples collected from borings P26 through P29 were submitted for PCB laboratory analysis. PCBs were detected above laboratory method quantitation limits (MQLs) in the soil samples submitted from the 2 to 4 foot interval (26 to 814 micrograms per kilogram [ug/kg]). The WDNR clean-up level for PCBs is 1,000 ug/kg.

The soil analytical results are summarized in Table 1. Soil analyte distributions are shown on Figure 6.

5.4. Hydrogeologic Conditions

Based on groundwater level measurements collected during the Site investigation, the groundwater table exists between approximately six and 15 feet bgs at the Site. Groundwater was not fully recharged in MW3 on March 1, 2000. Groundwater flow at the Site has been demonstrated to be generally in a south to southwesterly direction. Using the February 4, 2005 groundwater level measurements, the horizontal hydraulic gradient was calculated to range from 0.04 to 0.07 feet per foot. Static groundwater level measurements and relative groundwater elevations are presented in Table 2.

Hydraulic conductivity tests were not performed at the Site. However, review of conductivity values presented in Fetter, 1988, indicates that the dominant soil type of silty clay would be considered "low permeability material" ($<10^{-5}$) per NR 746.03. Additionally, it was documented that the perimeter monitoring wells (MW1 through MW4) are able to be purged dry. Static water level measurements and relative groundwater elevations are presented in Table 1. A groundwater table contour map, generated from the February 4, 2005 static groundwater level measurements is included as Figure 7.

5.5. Groundwater Laboratory Analytical Results

PVOCs were detected above NR 140 enforcement standards (ESs) and/or preventive action limits (PALs) in the groundwater samples collected and submitted from soil borings P1, P2, P7, and P17, converted into temporary wells. VOC concentrations were not detected above laboratory MQLs in the groundwater samples submitted from borings P4 and P12. Dissolved lead was detected at a concentration exceeding the NR 140 PAL in the groundwater sample submitted from boring P2.

Groundwater samples were collected from the temporary wells for a preliminary evaluation of groundwater quality at a respective point in time. The data obtained from these wells were not intended to supersede a comprehensive groundwater quality assessment with groundwater samples collected from properly installed/developed NR 141-compliant groundwater monitoring wells. For certain analytes, groundwater results from temporary wells are typically two to three orders of magnitude higher than those from NR 141-compliant groundwater monitoring wells. The temporary well analytical results are summarized in Table 3.



Review of the laboratory analytical results from the NR 141-compliant monitoring wells indicates that VOCs have not been detected above laboratory MDLs in groundwater samples submitted from MW1, located off Site to the east, and MW2, located off Site to the south, across West State Street. With the exception of benzene, VOCs were not detected at concentrations exceeding NR 140 PALs in groundwater samples submitted from MW3 and MW4. Benzene was not detected above the laboratory MDL in groundwater samples submitted from MW3 and MW4 during the most recent sampling event on February 4, 2005. Review of the laboratory analytical results from monitoring wells MW5 and MW6 indicates the detection of PVOCs above NR 140 ESs and/or PALs. Concentrations of these compounds exhibited a decreasing trend during the October 27, 2000 and February 28, 2001 sampling events.

Dissolved lead was detected above its NR 141 PAL in groundwater samples submitted from MW1 and MW6 during the first groundwater sampling event on March 2, 2000. Lead was not detected above the laboratory MDL in groundwater samples submitted during the August, 29, 2001 sampling event, the most recent sampling event that involved lead analysis.

Because of its proximity to a suspected waste-oil spill area on Site, additional analyses (DRO, cadmium, PAHs, and PCBs) were performed using groundwater samples submitted from MW3 during the February 28, 2001 sampling event. Cadmium was not detected above the laboratory MDL. DRO was detected, however, PAHs were not detected at concentrations exceeding laboratory MDLs and/or NR 140 PALs. One PCB, Aroclor 1260, was detected and the concentration exceeds the NR 140 ES.

The groundwater laboratory analytical results are summarized in Table 4 and shown on Figure 8. Laboratory analytical reports and chain-of-custody documentation are included in Appendix G.

5.6. Field and Laboratory Measurements for Natural Attenuation

Review of the natural attenuation field data indicates that oxygen-mediated (aerobic) conditions generally exist in the groundwater environment beneath and downgradient of the Site. Additionally, temperature and pH is conducive for seasonal biological activity and natural attenuation. Review of the natural attenuation laboratory data indicates that methane production has occurred in monitoring wells MW3, MW5, and MW6. Methane is produced during the microbial decomposition of compounds with high organic carbon content. The remaining natural attenuation measurements and laboratory analytical results are inconclusive. The natural attenuation parameters are summarized in Table 5.

6. MIGRATION PATHWAYS & POTENTIAL CONTAMINANT RECEPTORS

The locations of local underground utilities were obtained from Diggers Hotline markings and City of Milwaukee plans. Combined sewer trenches located within West State Street (approximately 16 feet bgs) could potentially act as migration pathways for petroleum-impacted groundwater. Other utility trenches within the West State Street ROW (including water mains, buried electrical conduit, and natural gas) are located shallower (above seven feet bgs) than the shallow groundwater table at the West State Street ROW (11 to 12 feet bgs).



No potentially sensitive receptors such as surface waters, wetlands, habitats of sensitive or endangered animal species, or agricultural farmland exist in the immediate vicinity of the Site. Drinking water in the area including the Site is treated Lake Michigan water supplied by the City of Milwaukee. No known private or municipal water supply wells exist in the Site vicinity.

7. CHARACTERISTICALLY HAZARDOUS LEAD EXCAVATION

On December 7, 2004, 40.21 tons of characteristically-hazardous soil was excavated and removed at and in the vicinity of boring P7 to minimize human health risk. The excavation extent was determined by TCLP lead analytical results. The size of the excavation was approximately 10 feet by 10 feet by 8 feet deep. The excavation was performed Dakota Intertek Corporation (Dakota) of New Berlin, Wisconsin under the supervision of Giles field personnel. Two "roll-off" boxes were loaded and transported by Onyx Environmental Services, LLC (Onyx) for Disposal at Onyx's facility in Menomonee Falls Wisconsin. The Onyx Profile Number for the soil is 260350. The United States Environmental Protection Agency (USEPA) identification number is WIR000120212. The excavation extent is shown on the attached figures. The Uniform Hazardous Waste Manifests and the Onyx disposal record are included in Appendix F.

8. MANN-KENDALL STATISTICAL ANALYSIS

Mann-Kendall statistical analysis of groundwater contaminants in the former UST-source well, MW5, indicates non-stable benzene, toluene, total trimethylbenzene, and naphthalene plumes, and decreasing ethylbenzene and total xylene trends. A stable benzene plume is indicated from the Mann-Kendall analysis of groundwater contaminants in the impacted monitoring well, MW6. Additionally, decreasing trends of toluene, ethylbenzene, total xylenes, total trimethylbenzenes, and naphthalene are indicated in MW6. The Mann-Kendall statistical spreadsheets for MW5 and MW6 are included in Appendix H.

9. SUMMARY OF FINDINGS

- Site investigation and remedial activities were performed at former 2636 West State Street and 2622-26 West State Street, in the City of Milwaukee, Milwaukee County, Wisconsin. The majority of former 2636 West State Street is currently part of the North 27th Street ROW.
- 2636 West State Street was occupied by a filling station (with possible auto repair) from approximately 1935 to 1970. According to a 1910 Sanborn Fire Insurance Map with updates through 1931, a total of nine USTs were once located on Site.
- Historical land uses of environmental concern at 2622-26 West State Street include a printing shop, laundromat, fire extinguisher company, match company, heating contractor, construction company, paint and linoleum store, and advertising service.
- No unknown magnetic anomalies were detected during a magnetometer survey performed in 1999, suggesting that buried ferrous objects (USTs) no longer exist at the Site.



- Forty-three Geoprobe® soil borings have been advanced and six NR 141-compliant groundwater monitoring wells have been installed on and off Site to the south and east.
- The subsurface material at the Site generally consists of fill material underlain by of brown and gray silty clay with discontinuous seams of silty fine to coarse sand and gravel. Low soil conductivity is suggested by book values and the ability of the perimeter monitoring wells to be purged dry.
- The groundwater table for the Site and vicinity exists between approximately six and 15 feet bgs. Groundwater flow is generally in a south to southwesterly direction.
- Petroleum odors and volatile vapors were detected at several boring locations during the subsurface exploration.
- Review of the soil laboratory analytical data indicates that soil samples collected from 4 to 16 feet bgs from the southwestern to south-central portion of the Site (vicinity of former UST area) contained concentration of PVOCs exceeding NR 746 Table 1 residual petroleum product indicator levels and/or NR 720.09 generic RCLs.
- Review of the soil laboratory analytical data also indicates two potential oil/waste oil surface spill areas. Lead was detected in soil samples collected from 0 to 4 feet bgs from the west-central portion of the Site at concentrations exceeding the NR 720.11 direct-contact RCL for a non-industrial property. PCBs were also detected in soil samples submitted from this area, but at concentrations below the WDNR clean-up level. PAHs were detected above WDNR suggested generic, direct-contact RCLs for a non-industrial property in near-surface soil samples submitted from this area and from an additional area at the western edge of the Site.
- Forty tons of soil containing characteristically-hazardous concentrations of lead were excavated and removed from the area including boring P7 to minimize human health risk through direct contact.
- A total of six groundwater sampling events have been performed. PVOCs were not detected above laboratory MDLs in groundwater samples submitted from perimeter monitoring wells MW1 through MW4 during the most recent sampling event on February 4, 2005. PVOCs were detected above NR 140 ESs and/or PALs in groundwater samples submitted from MW5 and MW6 during the February 4, 2005 sampling event. Mann-Kendall statistical analysis of the groundwater data collected from MW5 and MW6 suggests decreasing trends in the groundwater plume.
- Additional analyses were performed using groundwater samples submitted from MW3 during the February 28, 2001 sampling event. One PCB, Aroclor 1260, was detected and the concentration exceeds the NR 140 ES.
- Conditions at and downgradient of the Site are conducive for aerobic natural attenuation of petroleum impacts. Additionally, groundwater collected from the impacted wells has shown evidence of microbial degradation (methane production).



10. CLOSURE EVALUATION

The WDNR promulgated WAC Chapter NR 746 in order to develop Site-specific risk screening criteria and to facilitate Site remediation and case closure. NR 746 incorporates changes to the NR 700 series and lists criteria required for case closure. The following section provides the risk-screening criteria of NR 746.06(2) for closure consideration. Italicized text indicates Site-specific comments related to the NR 746.06(2) criteria.

a) None of the following environmental factors are present at the Site:

1. Documented expansion of a plume margin.
2. Verified contaminant concentration in a private or public potable well that attains or exceeds the preventive action limit.
3. Contamination within bedrock or within one meter of bedrock.
4. Petroleum product that is not in dissolved phase is present with a thickness of 0.01 feet or more, and has been verified by more than one sampling event.
5. Documented contamination discharges to a surface water or wetland.

Soil contamination does remain at the Site that exceeds the soil-screening levels in NR 746.06 Table 1.

NR 746.06 Table 1	
Indicators of Residual Petroleum Product in Soil Pores	
Substance	Soil Screening Levels
Benzene	8.5 mg/kg
1,2 DCA	0.6 mg/kg
Ethylbenzene	4.6 mg/kg
Toluene	38.0 mg/kg
Xylene	42.0 mg/kg
1,2,4-Trimethylbenzene	83.0 mg/kg
1,3,5-Trimethylbenzene	11.0 mg/kg
Naphthalene	2.7 mg/kg

One or more of the substances in Table 1, except for 1,2 DCA, have been detected above the listed values in six of the submitted soil samples.

- c) No soil contamination currently exists within the top 4 feet of the Site that exceeds any of the soil screening levels in NR 746.06 Table 2.



NR 746.06 Table 2 Protection of Human Health from Direct Contact with Contaminated Soil	
Substance	Soil Screening Levels
Benzene	1.10 mg/kg
1,2 DCA	0.54 mg/kg

- d) For substances not listed in Table 2 that are present within four feet of the ground surface and have been approved by the agency with administrative authority for the Site as contaminants of concern as defined in NR 720.03(2), the potential human health risk from direct contact has been addressed.

Residual lead and PAH soil impacts exist within the top 4 feet of the Site. Human health will be protected through regular maintenance of existing turf and pavement.

- e) There is no human health risk from direct contact for a substance listed in Table 1, if the substance's concentration is below the Table 1 soil screening level.
- f) No release of a petroleum product to the soil or groundwater at the Site has occurred within the last 10 years.

According to City of Milwaukee inspection records, no USTs were found during demolition activities at the Site in 1975. USTs were not detected during a magnetometer survey in 1999.

- g) There is no evidence of migration of petroleum product contamination within a utility corridor or within a permeable material or soil along which vapors, free product or contaminated water may flow.
- h) There is no evidence of migration or imminent migration of petroleum product contamination to building foundation drain tile, sumps, or other points of entry into a basement or other enclosed structure where petroleum vapors could collect and create odors or an adverse impact on indoor air quality or where the contaminants may pose an explosion hazard.

The building on Site does not contain a basement. The shallowest depth-to-water at MW6, nearest to the building, is 10 feet bgs.

- i) No enforcement standard is exceeded in any groundwater within 1,000 feet of a well operated by a public utility, as defined in s. 196.01(5), Stats., or within 100 feet of any other well used to provide water for human consumption.

Drinking water in the area including the Site is from Lake Michigan and is treated and supplied by the City of Milwaukee.

An NR 716-compliant Site investigation and a NR 746 risk screening evaluation have been completed. The following considerations were used in determining the best technical and most cost-effective method for evaluating a remedial closure strategy at the Site:



- 1) The Site meets the requirements of NR 746.08(2) *Groundwater Contamination within Low-Permeability Material*, following the completion of an NR 716-compliant Site investigation.
 - a) The Site meets all of the risk-screening criteria in NR 746.06(2).

Soil-screening levels presented in Table 1 were exceeded. However, no free petroleum product has been detected in the monitoring wells.

- b) The requirements of NR 726 have been satisfied.
 - c) All groundwater is contained within low-permeability material and there is at least a 5-foot separation between the contamination in the low-permeability material and any underlying or downgradient permeable material.

Additionally, the groundwater-contaminant plume is defined and stable/decreasing. The PCB ES exceedance detected in MW3 is considered anomalous because of the extreme hydrophobic and insoluble nature of PCB. We infer that the detection of Arochlor 1260 is due to turbidity in the sample and not due to dissolved PCBs.

11. CONCLUSIONS AND RECOMMENDATIONS

An NR 716-compliant subsurface investigation and an NR 746 risk-screening evaluation have been performed at Former 2636 and 2622-26 West State Street, Milwaukee, Wisconsin. No significant risk to human health or the environment has been identified as a result of the release from the former USTs at the Site. It is Giles' opinion that the petroleum-impacted groundwater will continue to be remediated via natural attenuation. A remedial excavation was performed to remove characteristically-hazardous soil from a suspected waste-oil spill area. Therefore, Giles, on behalf of the Redevelopment Authority of the City of Milwaukee, requests that the WDNR grant case closure for the Site, subject to the conditions that the Site is placed on the soil and groundwater GIS Registry of Closed Remediation Sites, that turf/pavement maintenance agreements are filed to prevent direct-contact exposure with residual PAH and lead impacted near-surface soil, and that the monitoring wells are abandoned in accordance with Chapter NR 141 following case closure.

12. GENERAL COMMENTS

This report is an instrument of service prepared for the exclusive use by the Redevelopment Authority of the City of Milwaukee, and may not be reproduced or distributed without written authorization from Giles Engineering Associates, Inc. and the Redevelopment Authority of the City of Milwaukee. The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client or as otherwise noted. Any unauthorized use of this report is strictly prohibited and we assume no liability for any such use.



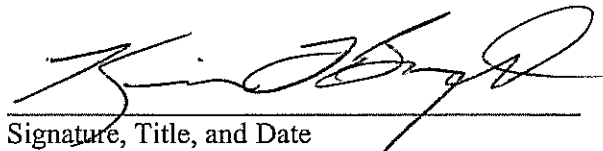
This report has been prepared to aid in the evaluation of the Site located at Former 2636 West State Street and 2622-26 West State Street, in the City of Milwaukee, Milwaukee County, Wisconsin, with regard to the potential for hazardous substance and/or petroleum hydrocarbon presence at the time of this study. The conclusions presented in this report were based on available information pertaining to various points in time and were presented by others for our use or were based on informal discussion with various agency personnel. We do not warrant the accuracy of information supplied by others.

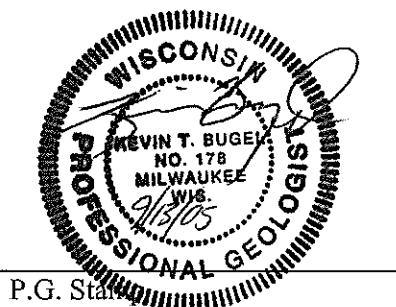
The boring logs and related information enclosed within the Appendices depict subsurface conditions only at specific locations drilled and at the particular times designated on the logs. Soil conditions at other locations may differ from conditions occurring at these boring locations. Also, the passage of time may result in a change of soil conditions at the boring locations drilled.



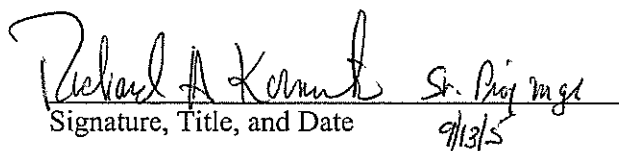
13. SUBMITTAL CERTIFICATION

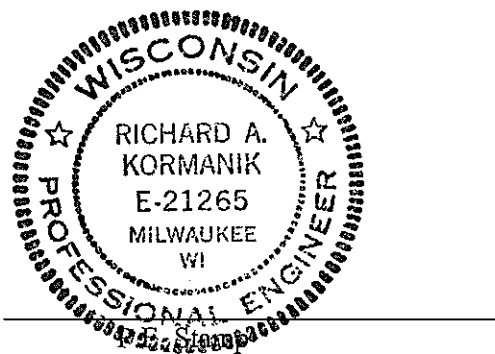
I, Kevin T. Bugel, hereby certify that I am a registered professional geologist in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

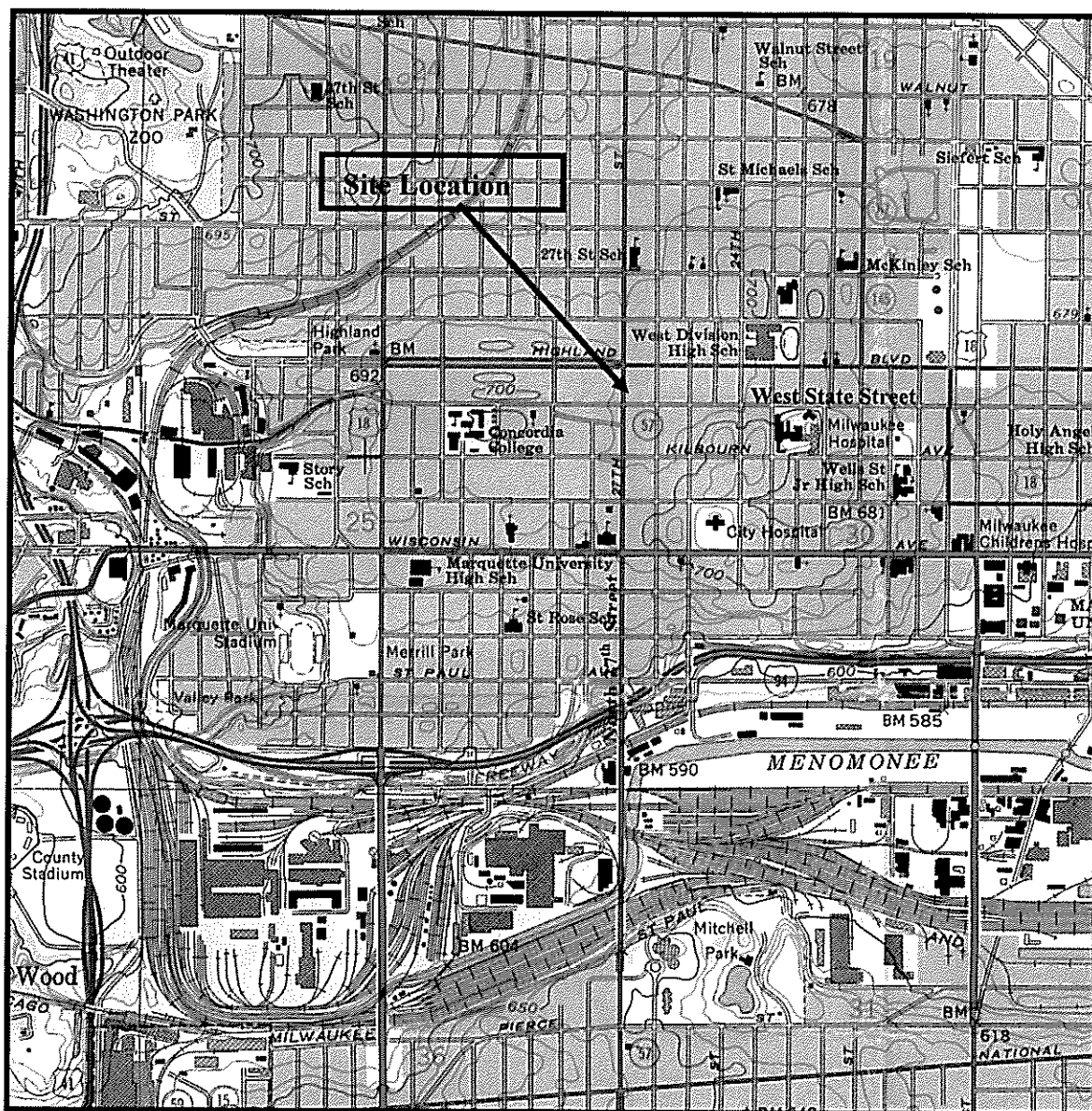

Signature, Title, and Date



I, Richard A. Kormanik, 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 document 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 document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.


Signature, Title, and Date
Sr. Proj mgr
9/13/05





Source: USGS Milwaukee, Wisconsin (1958, photorevised in 1971) 7.5 Minute Series (topographic) Quadrangle Map

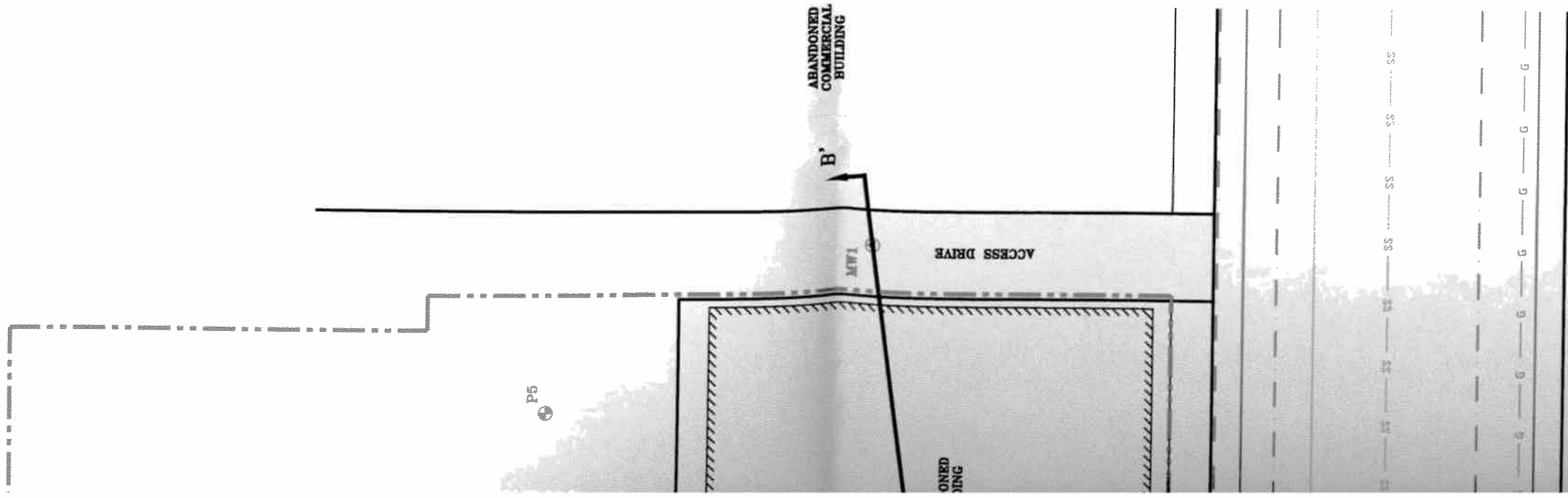
Scale: 1:24,000
 Contour Interval: 10 Feet



FIGURE 1
SITE LOCATION

**Former 2636 West State Street
 and 2622-26 West State Street
 Milwaukee, Wisconsin
 Project No. 1E-9907009**

GILES
 ENGINEERING ASSOCIATES, INC.



LEGEND:

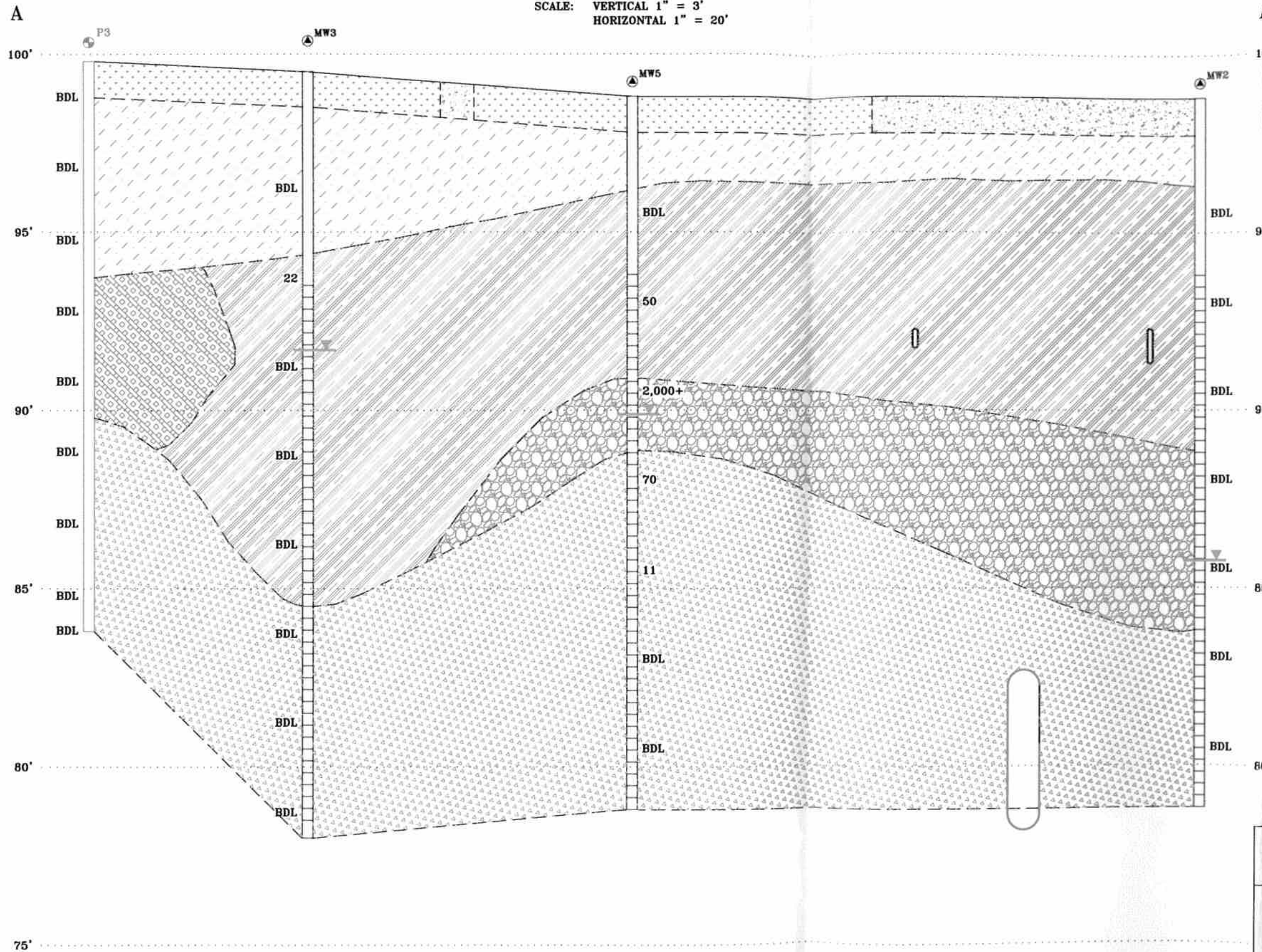
	LINE OF CROSS-SECTION
	SUBJECT PROPERTY LINE
	CURB LINE
	UNDERGROUND ELECTRIC LINE
	WATER LINE
	FIRE HYDRANT
	SANITARY SEWER LINE
	STORM SEWER LINE
	CATCH BASIN
	MANHOLE
	TELECOMMUNICATIONS LINE
	GAS LINE
	GROUNDWATER MONITORING WELL
	GEOPROBE SOIL BORING
	GEOPROBE SOIL BORING (JANUARY 2005)
	EXCAVATION AREA
	FORMER UNDERGROUND STORAGE TANK



CROSS SECTION A-A'

SCALE: VERTICAL 1" = 3'
HORIZONTAL 1" = 20'

ELEVATION (IN FEET REFERENCED TO AN ARBITRARY BENCHMARK)



SOIL KEY:

- GRASS AND ROOT MAT
- CONCRETE PAVEMENT AND BASE COURSE
- FILL: DARK BROWN SILTY CLAY TO SILT AND BROWN SILTY FINE SAND AND GRAVEL
- GRAY-BROWN SILTY CLAY WITH VARIABLE AMOUNTS OF FINE TO COARSE SAND AND GRAVEL
- GRAY SILT TO SILTY FINE TO COARSE SAND AND GRAVEL
- GRAY SILTY CLAY TO CLAYEY SILT WITH VARIABLE AMOUNTS OF FINE TO COARSE SAND AND GRAVEL
- BROWN CLAYEY SILT WITH TRACE FINE SAND
- SOIL CONTACT LINES DASHED WHERE INFERRED

LEGEND:

- MW2 GROUNDWATER MONITORING WELL
- P1 GEOPROBE SOIL BORING
- STATIC WATER LEVEL (2/4/05)
- WELL SCREEN
- 120 PHOTOIONIZATION DETECTOR (PID) READING
- BDL BELOW PID DETECTION LIMIT
- APPROXIMATE LOCATION OF COMBINED SEWER
- APPROXIMATE LOCATION OF WATER MAIN



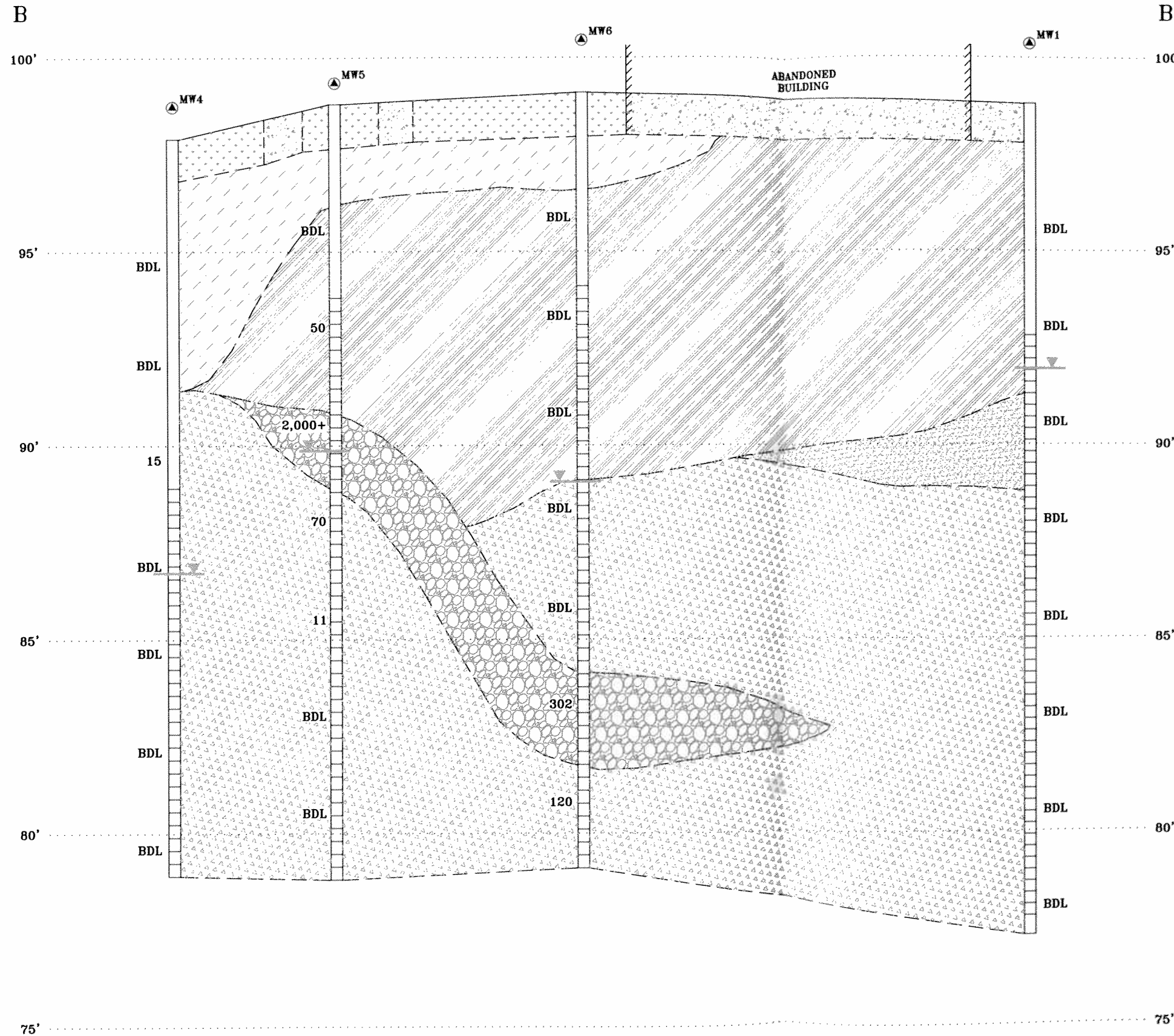
GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118

FIGURE 4
CROSS-SECTION A-A'
FORMER 2636 WEST STATE STREET
AND 2622-26 WEST STATE STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
ELP	JSZ	SEE TITLE	07-29-05	--
PROJECT NO.: 1E-9907009			CAD No. 1E9907009F	

CROSS SECTION B-B'

SCALE: VERTICAL 1" = 3'
HORIZONTAL 1" = 20'



SOIL KEY:

- GRASS AND ROOT MAT
- CONCRETE PAVEMENT AND BASE COURSE
- FILL: DARK BROWN SILTY CLAY TO SILT AND BROWN SILTY FINE SAND AND GRAVEL
- GRAY-BROWN SILTY CLAY WITH VARIABLE AMOUNTS OF FINE TO COARSE SAND AND GRAVEL
- GRAY SILT TO SILTY FINE TO COARSE SAND AND GRAVEL
- GRAY SILTY CLAY TO CLAYEY SILT WITH VARIABLE AMOUNTS OF FINE TO COARSE SAND AND GRAVEL
- BROWN SILTY FINE TO COARSE SAND AND GRAVEL
- SOIL CONTACT LINES DASHED WHERE INFERRED

LEGEND:

- MW1 GROUNDWATER MONITORING WELL
- BI GEOPROBE SOIL BORING
- STATIC WATER LEVEL (2/4/05)
- WELL SCREEN
- 120 PHOTOIONIZATION DETECTOR (PID) READING
- BDL BELOW PID DETECTION LIMIT



GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118

FIGURE 5
CROSS-SECTION B-B'
FORMER 2636 WEST STATE STREET
AND 2622-26 WEST STATE STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
ELP	JSZ	SEE TITLE	07-29-05	--
PROJECT NO.: 1E-9907009			CAD No. 1E9907009G	

3/17/00	6/20/00	10/27/00	2/28/01	8/29/01	2/4/05
DETECTED VOCs Napht = 0.48j	DETECTED PYOCs B = (4.2) E = 1.1j T = 1.1j X = 1.1j MTBE = 0.56j	DETECTED PYOCs Napht = 7.6 TMBs = 14.1 X = 5.2	DR0 = 6.480 Cd < 0.4 Pb < 1.5 DETECTED PCBs PCB 1260 = 2.10 DETECTED PYOCs TMBs = 1.2j X = 2.1 DETECTED PAHs P = 0.43	Pb < 1.5 DETECTED PYOCs B = (0.75j) Napht = 2.5j TMBs = 10.2 X = 4.5	PVOCs < LOD

3/2/00
Pb < 1.5
DETECTED VOCs
B = 22j
E = 2.250
IPBz = 122
n-PBz = 362
Napht = 760
P-IPT = 13j
TMBs = 4.389
T = 27j
s-BuBz = 20j
X = 12.670

6/20/00
DETECTED PYOCs
B = 12j
E = 1.880
Napht = 978
TMBs = 5.148
X = (8.403)

10/27/00
DETECTED PYOCs
E = 28
Napht = (1.4)
TMBs = 79
X = 125.5

2/28/01
DETECTED PYOCs
B = (0.97j)
E = 25
Napht = (8.3)
TMBs = 10
X = 107.7

8/29/01

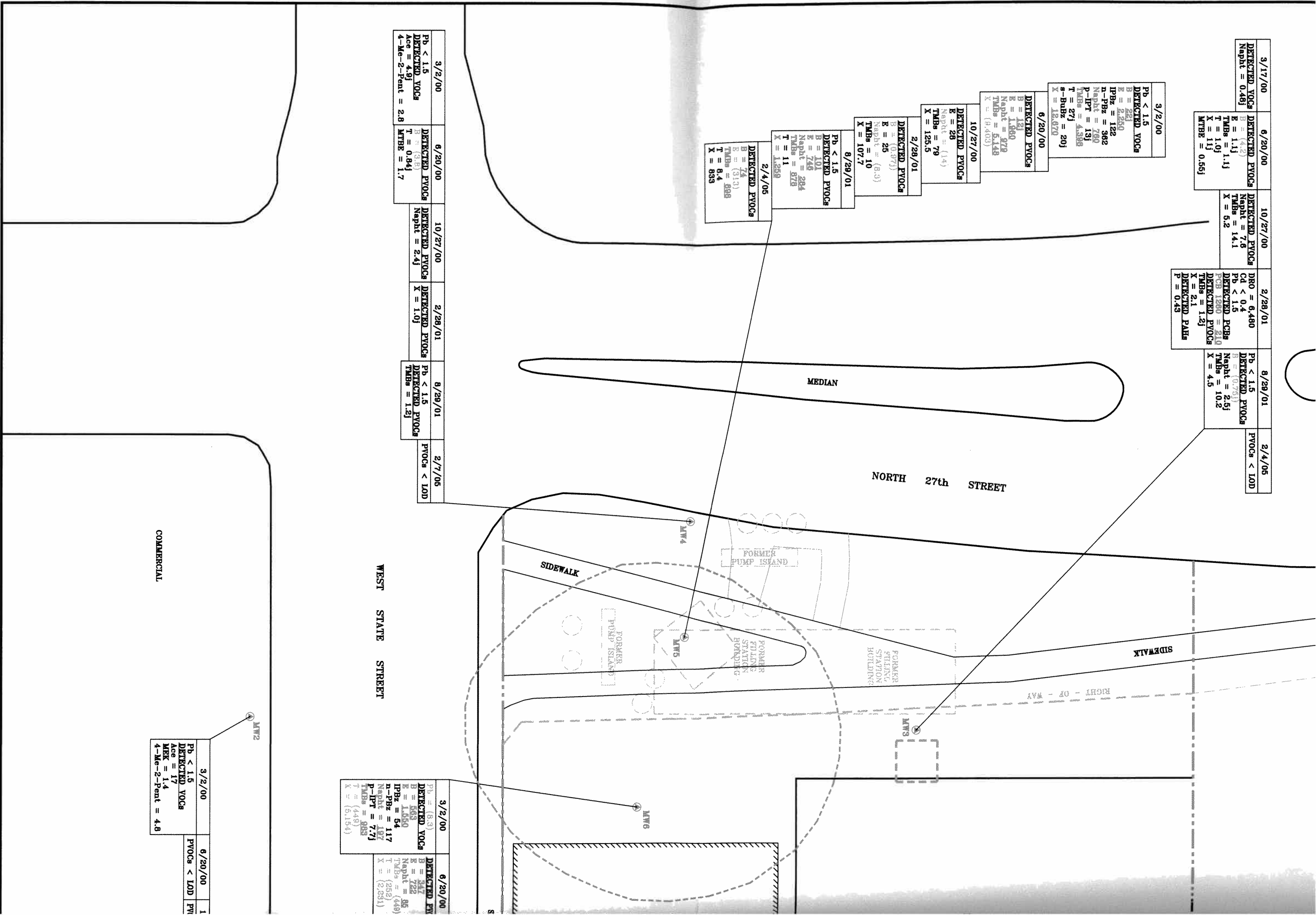
Pb < 1.5
DETECTED PYOCs
B = 10j
E = 748
Napht = 284
TMBs = 878
T = 11
X = 1.259

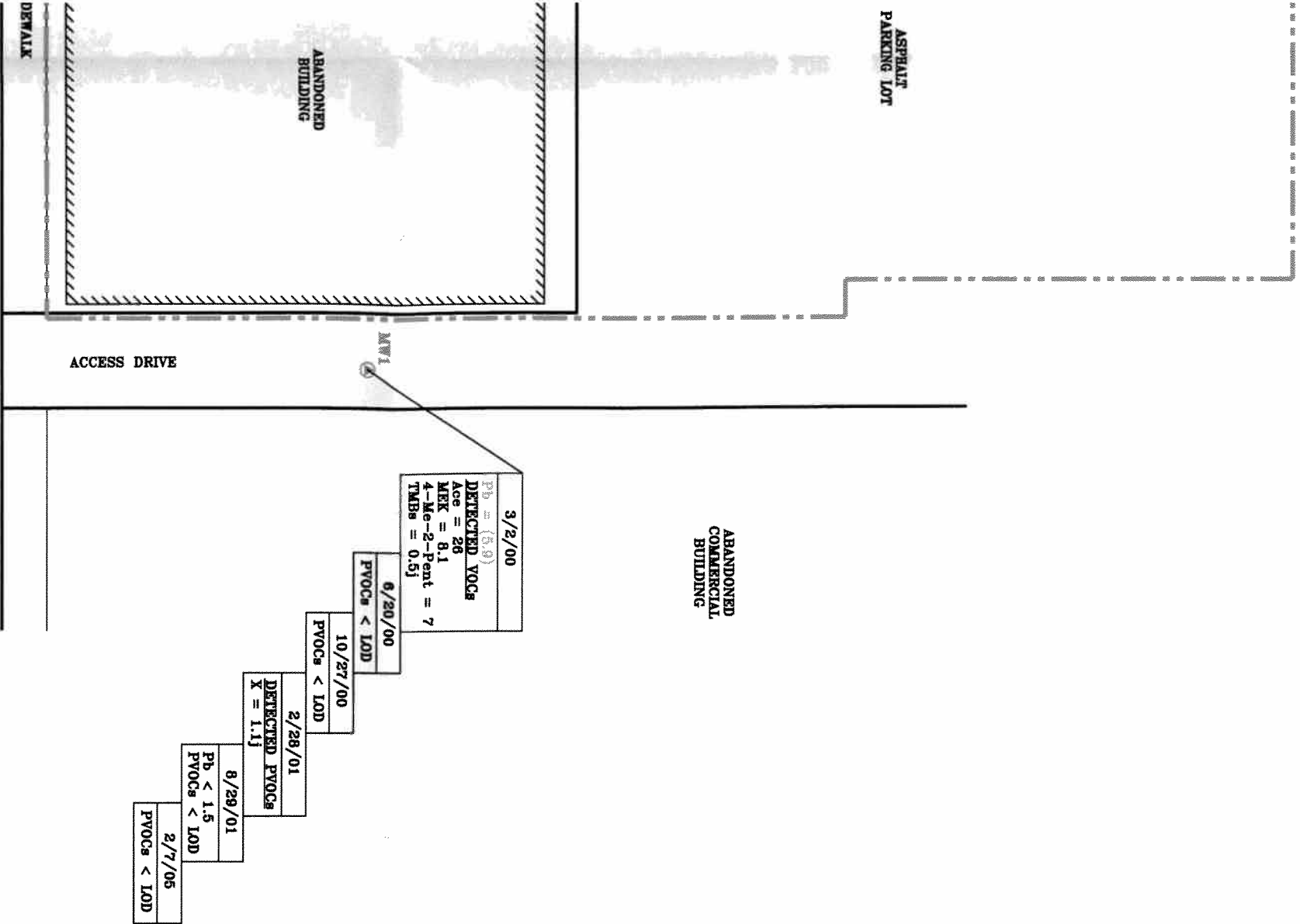
2/4/05
DETECTED PYOCs
B = 74
E = (3.1j)
TMBs = 888
T = 8.4
X = 833

3/2/00	6/20/00	10/27/00	2/28/01	8/29/01	2/7/05
Pb < 1.5 DETECTED VOCs Ace = 4.9j 4-Me-2-Pent = 2.8	DETECTED PYOCs B = (3.8) T = 0.84j MTBE = 1.7	DETECTED PYOCs Napht = 2.4j	DETECTED PYOCs X = 1.0j	Pb < 1.5 DETECTED PYOCs TMBs = 1.2j	PVOCs < LOD

3/2/00	6/20/00
Pb = (8.3) DETECTED VOCs B = 583 E = 1.550 IPBz = 54 n-PBz = 117 Napht = 187 P-IPT = 7.7j TMBs = 983 T = (4.49) X = (5.154)	DETECTED PV B = 247 E = 722 Napht = 85 TMBs = (4.49) T = (2.831) X = (2.831)

3/2/00	6/20/00	1
Pb < 1.5 DETECTED VOCs Ace = 17 MEK = 1.4 4-Me-2-Pent = 4.8	PVOCs < LOD	PVI





10/27/00	DETECTED PYOCs	2/28/01	DETECTED PYOCs	8/29/01	Pb < 1.5 DETECTED PYOCs	2/4/05	DETECTED PYOCs
	B = 5.9 R = 13 TMBs = 1.1j T = 36.3 X = 5.3		E = 1.2j X = 5.3		B = 38.8 S = (636) Naph = 50 TMBs = (203) T = 110 X = 1.1j		B = 105 S = (205) TMBs = (60) T = 32
2/27/00	2/28/01	8/29/01	2/4/05				
s < LOD	DETECTED PYOCs	Pb < 1.5 PYOCs < LOD	PYOCs < LOD				
	X = 0.83j						

3/2/00	Pb = {5.9} DETECTED VOCs Ace = 26 MEK = 8.1 4-Me-2-Pent = 7 TMBs = 0.5j
6/20/00	PYOCs < LOD
10/27/00	PYOCs < LOD
2/28/01	DETECTED PYOCs X = 1.1j
8/29/01	Pb < 1.5 PYOCs < LOD
2/7/05	PYOCs < LOD

- CHEMICAL KEY:
- Ace: ACETONE
 - B: BENZENE
 - Cd: CADMIUM
 - E: ETHYLBENZENE
 - IPBz: ISOPROPYLBENZENE
 - 4-Me-2-Pent: 4-METHYL-2-PENTANONE
 - MEK: METHYL ETHYL KETONE
 - MTBE: METHYL TERT BUTYL ETHER
 - n-PBz: n-PROPYLBENZENE
 - Naph: NAPHTHALENE
 - P: PYRENE
 - Pb: LEAD
 - p-IPt: p-ISOPROPYLTOLUENE
 - s-BuBz: Sec-BUTYLBENZENE
 - T: TOLUENE
 - TMBs: TOTAL TRIMETHYLBENZENE
 - X: TOTAL XYLENES

- ABBREVIATIONS:
- DRO: DIESEL RANGE ORGANIC
 - LOD: LIMIT OF DETECTION
 - NR: NATURAL RESOURCES
 - PAH: POLYNUCLEAR AROMATIC HYDROCARBON
 - PCBs: POLYCHLORINATED BIPHENYLS
 - PYOC: PETROLEUM VOLATILE ORGANIC COMPOUND
 - VOC: VOLATILE ORGANIC COMPOUND
 - WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:

VOC AND PYOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN BLUE/PARENTHESES EXCE WAC NR 140 PREVENTIVE ACTION LIMITS (PAL)

RESULTS INDICATED IN RED/UNDERLINED EXCEED WAC NR 140 ENFORCEMENT STANDARDS (ES)

-j: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

LEGEND:

- ESTIMATED EXTENT OF PETROLEUM-IMPACTED GROUNDWATER ABOVE NR 140 ES
- SUBJECT PROPERTY LINE
- CURB LINE
- MW1 GROUNDWATER MONITORING WELL
- P1 GEOPROBE SOIL BORING
- GP1 GEOPROBE SOIL BORING (JANUARY 2005)
- EXCAVATION AREA
- FORMER UNDERGROUND STORAGE TANK

FIGURE 8
GROUNDWATER ANALYTICAL RESULTS
FORMER 2636 WEST STATE STREET
AND 2622-26 WEST STATE STREET
MILWAUKEE, WISCONSIN

DESIGNED
ELP

DRAWN
JSZ

SCALE
1"=20'

DATE
03-23-05

REVISE
07-29-05

PROJECT NO.: 1E-9907009

CAD No. 1E9907009R

GILES ENGINEERING ASSOCIATES, INC.
N6 W22360 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118

TABLE 1
SOIL ANALYTICAL RESULTS (VOC/PVOC)
Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Analyte		Sample Location																	NR 720.09 RCLs	NR 746.06 Table 1 (Product Indicator)	NR 746.06 Table 2 (Direct Contact)	
		P1		P2		P3	P4	P5	P6	P7	P8		P9	P10		P11	P12	P13				P15
Sample Date		10/7/1999		10/7/1999		10/7/1999	10/7/1999	10/7/1999	10/7/1999	10/7/1999	10/7/1999		10/7/1999	1/14/2000		1/14/2000	1/14/2000	1/14/2000				1/14/2000
Sample Depth (feet)		14-16	26-28	8-10	14-16	10-12	10-12	12-14	12-14	4-6	14-16	16-18	14-16	2-4	6-8	6-8	8-10	12-14				10-12
PID (Instrument units)		700	500	600	BDL	BDL	BDL	BDL	BDL	45	70	BDL	250	BDL	1,000	BDL	BDL	BDL	BDL			
GRO (mg/kg)		<u>946</u>	4.6	<u>404</u>	2.5	4.5	<0.60	0.79j	<0.57	<u>133</u>	80	2.2	<u>7,940</u>	3.4	<u>1,330</u>	3.3	4.8	2.8	2.7			
DRO (mg/kg)		28	4.9	11	<1.1	<1.1	2.3j	<1.1	2.2j	<u>1,150</u>	7.2	3.3j	<u>362</u>	7.2	14	9.9	4.5	10	4.1			
Detected VOCs/PVOCs (ug/kg)	Ethylbenzene	#18,500#	<25	715	<25	<25	<25	<25	<25	144	306	<25	#117,000#	<25	2,090	<25	<25	<25	<25	2,900	4,600	NS
	Benzene	<250	<25	<100	<25	<25	<25	<25	<25	<63	<50	<25	<250	<25	<250	<25	<25	<25	<25	5.5	8,500	1,100
	Isopropylbenzene	1,980	<25	648	<25	<25	<25	<25	<25	231	439	<25	13,900	<25	1,090	<25	<25	<25	<25	NS	NS	NS
	n-Propylbenzene	7,320	<25	3,550	<25	<25	<25	<25	<25	1,110	941	<25	50,600	<25	1,700	<25	<25	<25	<25	NS	NS	NS
	Naphthalene	#7,640#	<25	346	<25	<25	<25	<25	<25	#3,550#	1,880	<25	#39,000#	<25	#3,490#	<25	<25	<25	<25	NS	2,700	NS
	p-Isopropyltoluene	430	<25	513	<25	<25	<25	<25	<25	133	<50	<25	2,970	<25	1,970	<25	<25	<25	<25	NS	NS	NS
	sec-Butylbenzene	872	<25	927	<25	<25	<25	<25	<25	<63	<50	<25	4,480	<25	632	<25	<25	<25	<25	NS	NS	NS
	Toluene	<u>2,300</u>	50j	<100	<25	<25	<25	<25	<25	<63	<50	<25	<u>4,320</u>	<25	299j	<25	<25	<25	<25	1,500	38,000	NS
	1,2,4-Trimethylbenzene	35,600	84	15,100	<25	<25	<25	<25	<25	9,390	6,870	37j	#250,000#	<25	21,900	<25	<25	<25	<25	NS	83,000	NS
	1,3,5-Trimethylbenzene	8,660	<25	3,120	<25	<25	<25	<25	<25	2,890	1,340	<25	#63,000#	<25	7,810	<25	<25	<25	<25	NS	11,000	NS
	Tetrachloroethene (PCE)	<250	<25	<100	<25	<25	<25	<25	<25	<63	<50	<25	<250	<25	<250	<25	<25	28j	<25	NS	NS	NS
	Total Xylenes	#73,400#	135	764	<25	<25	<25	<25	<25	<25	<u>6,550</u>	<u>11,650</u>	73	#548,000#	<25	<u>23,270</u>	<25	<25	<25	37j	4,100	42,000

VOC: Volatile Organic Compound

NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)

--: Not Analyzed / Not Applicable

NS: No Established Standard

BDL: Below Detection Limit

PID: Photoionization Detector

mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

j: Result detected between the laboratory method detection limit and the quantitation limit

DRO: Diesel range organics

GRO: Gasoline range organics

Results indicated in red/underlined exceed the WAC NR 720.09 generic RCLs based on groundwater protection

Results indicated in brown/#...# exceed the WAC NR 746.06 Table 1 Residual Petroleum Product in Soil Pores Screening Levels

TABLE 1
SOIL ANALYTICAL RESULTS (VOC/PVOC)

Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Analyte		Sample Location																	NR 720.09 RCLs	NR 746.06 Table 1 (Product Indicator)	NR 746.06 Table 2 (Direct Contact)	
		P16		P17	P18		P20		P22	P24		P26		P27		P28		P29				
Sample Date		1/14/2000		1/14/2000	12/19/2000		12/19/2000		12/19/2000	12/19/2000		4/10/2001		4/10/2001		4/10/2001		4/10/2001				
Sample Depth (feet)		2-4	6-8	10-12	2-4	4-6	2-4	4-6	2-4	2-4	4-6	2-4	4-6	2-4	4-6	2-4	4-6	8-10				12-14
PID (Instrument units)		BDL	2,000	BDL	BDL	50	BDL	12	BDL	BDL	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL				BDL
GRO (mg/kg)		27	4,010	0.63j	1.2j	254	<0.59	25	6.6	4.7	64	--	--	--	--	--	--	--	--	100	NS	NS
DRO (mg/kg)		13	356	10	8.3	9.6	69	52	7,010	39	3,130	40	6.6	8.8	34	52	13	31	23	100	NS	NS
Detected VOCs/PVOCs (ug/kg)	Ethylbenzene	<25	#95,700#	<25	<18	<176	<18	22j	43j	<18	<17	<20	<19	<17	<18	<18	<18	<18	<18	2,900	4,600	NS
	Benzene	<25	#10,100#	<25	<19	<183	<19	<18	<18	<18	<18	<21	<19	<17	<19	<19	<19	<18	<18	5.5	8,500	1,100
	Isopropylbenzene	<25	10,400	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	NS	NS
	n-Propylbenzene	<25	43,500	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	NS	NS
	Naphthalene	<25	#36,400#	<25	<55	#2,700#	<56	208	<55	<54	1,600	<61	<58	<51	<56	<55	<56	77j	<54	NS	2,700	NS
	p-Isopropyltoluene	<25	2,850	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	NS	NS
	sec-Butylbenzene	<25	6,210	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	NS	NS
	Toluene	<25	#76,200#	<25	<21	<201	<21	<20	180	24j	<19	<23	<21	<19	<21	<20	<21	<20	<20	1,500	38,000	NS
	1,2,4-Trimethylbenzene	<25	#270,000#	<25	<27	11,700	<28	1,080	104	<2.7	1,890	<30	<29	<25	<28	<27	<28	<27	<27	NS	83,000	NS
	1,3,5-Trimethylbenzene	<25	#74,200#	<25	<22	4,200	<22	398	<21	<21	1,090	<24	<23	<20	<22	<22	<22	<21	<21	NS	11,000	NS
	Tetrachloroethene (PCE)	<25	<1,670	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NS	NS	NS
Total Xylenes		<25	#471,900#	36j	<20	3,220	255	<20	220	31j	823	<65	<62	<55	<61	<59	<60	<58	<58	4,100	42,000	NS

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NS: No Established Standard

BDL: Below Detection Limit

PID: Photoionization Detector

mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

j: Result detected between the laboratory method detection limit and the quantitation limit

DRO: Diesel range organics

GRO: Gasoline range organics

Results indicated in red/underlined exceed the WAC NR 720.09 generic RCLs based on groundwater protection

Results indicated in brown/#...# exceed the WAC NR 746.06 Table 1 Residual Petroleum Product in Soil Pores Screening Levels

TABLE 1
SOIL ANALYTICAL RESULTS (PAH/PCB)

Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Analyte		Sample Location																						WDNR Suggested Generic RCLs			
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P15	P16	P17	P26		P27		P28				P29	
Sample Date		10/7/1999	10/7/1999	10/7/1999	10/7/1999	10/7/1999	10/7/1999	10/7/1999	10/7/1999	10/7/1999	1/14/2000	1/14/2000	1/14/2000	1/14/2000	1/14/2000	1/14/2000	1/14/2000	4/10/2001		4/10/2001		4/10/2001		4/10/2001			
Sample Depth (feet)		2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	4-6	2-4	4-6	2-4	4-6	8-10	12-14		
PID (Instrument units)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Detected Polychlorinated Biphenyls (PCBs)																											
Aroclor 1248		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	61	<8.0	<7.1	14j	26	<7.7	<7.6	<7.5	NS	NS
Aroclor 1260		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<8.4	<8.0	814	<7.8	<7.6	<7.7	37	<7.5	NS	NS
Polynuclear Aromatic Hydrocarbons (PAH's) (ug/kg)	1-methyl Naphthalene	<56	<291	<51	<57	<57	<53	<2,570	<56	<60	<49	<277	<51	<52	<57	<306	<58	<61	<58	<52	<57	<56	<56	<55	<58	23,000	1,100,000
	2-methyl Naphthalene	<53	<273	<48	<54	<54	<50	<2,400	<53	<56	<46	<260	<47	<49	<53	<286	<54	<62	<59	<52	<58	<56	<57	<56	<54	20,000	600,000
	Acenaphthene	<72	<372	<65	<73	<73	<68	<3,280	<72	<77	<63	<354	<65	<66	<73	<390	<74	<42	<39	<35	<39	<38	<38	<37	<74	38,000	900,000
	Acenaphthylene	<62	<322	<56	<63	<63	<59	<2,840	<62	<67	<54	<307	<56	<58	<63	<338	<64	<51	<49	<43	<48	<47	<47	<46	<64	700	16,000
	Anthracene	<12	<61	<11	<12	<12	<11	628j	<12	<13	<10	<58	<11	<11	<12	<64	<12	<31	<29	<26	<29	<28	<28	<28	<12	3,000,000	5,000,000
	Benzo (a) anthracene	1.8j	16j	<1.3	<1.5	<1.5	<1.4	(784)	<1.4	<1.5	<1.3	(104)	1.5j	<1.3	<1.5	12j	8.1j	63j	<22	<20	<22	(169)	<21	<21	8.1j	17,000	88
	Benzo (a) pyrene	3.6j	(48j)	<2.9	<3.3	<3.3	<3.1	(981)	<3.2	<3.5	<2.8	(207)	<2.9	<3.0	<3.3	(26j)	<17	(56j)	<23	<20	<22	(167)	<22	<21	<17	48,000	8.8
	Benzo (b) fluoranthene	<2.3	25j	<2.1	<2.3	<2.3	<2.1	(391)	<2.3	<2.4	<2.0	(140)	<2.0	<2.1	<2.3	19j	17j	(123)	<33	<29	<32	(373)	<32	<31	17j	360,000	88
	Benzo (ghi) perylene	4.5j	34j	<2.8	<3.2	<3.2	<2.9	396j	<3.1	<3.3	<2.7	276	<2.8	<2.9	<3.1	60	<16	<41	<38	<34	<38	<37	<37	<36	<16	6,800,000	1,800
	Benzo (k) fluoranthene	<0.60	<3.1	<0.54	<0.61	<0.61	<0.56	111	<0.60	<0.64	<0.52	64	<0.54	<0.55	<0.61	7.2j	<3.1	<19	<18	<16	<18	46j	<18	<17	<3.1	870,000	880
	Chrysene	<7.1	<37	<6.4	<7.2	<7.2	<6.7	624j	<7.1	<7.6	11j	140	<6.4	12j	9.1j	1,190	1,260	63j	<29	<25	<28	168	<28	<27	1,260	37,000	8,800
	Dibenzo (a,h) anthracene	2.3j	(16j)	<0.97	<1.1	<1.1	<1.0	(249)	<1.1	<1.2	<0.94	(22)	<0.97	<1.0	<1.1	(18j)	7.4j	<42	<39	<35	<39	<38	<38	<27	7.4	38,000	8.8
	Fluoranthene	<29	<149	<26	<29	<29	<27	2,660j	<29	<31	<25	246j	<26	<27	<29	<156	110	103	<27	<24	<26	291	<26	110	110	500,000	600,000
	Fluorene	<7.8	<40	<7.0	<7.9	<7.9	<7.3	<355	<7.8	<8.3	<6.8	<38	<7.0	<7.2	<7.9	<42	<8.0	<50	<47	<42	<46	<45	<46	<8.0	<8.0	100,000	600,000
	Indeno (1,2,3-cd) pyrene	<9.3	62j	<8.4	<9.5	<9.5	<8.8	(1,740)	<9.3	<10	<8.1	(240)	<8.4	<8.6	<9.4	<51	<9.6	<39	<37	<33	<36	<36	<36	<9.6	<9.6	680,000	88
Naphthalene	<98	<508	<89	<100	<100	<93	<4,480	<98	<105	<86	<484	<88	<9.1	<99	<533	<100	<62	<59	<52	<57	<56	<57	<100	<100	400	20,000	
Phenanthrene	<6.7	<35	<6.1	<6.8	<6.8	<6.3	(1,460)	<6.7	<7.2	<5.8	36j	<6.0	<6.2	<6.8	<36	19j	<26	<24	<22	<24	130	<24	19j	19j	1,800	18,000	
Pyrene	<10	<52	<9.1	<10	<10	<9.5	<459	<10	<11	<8.8	580	<9.0	<9.3	<10	<55	<51	109	<24	27j	<24	319	<23	<51	<51	8,700,000	500,000	

BDL: Below the detection limit

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

PID: Photoionization Detector

WDNR: Wisconsin Department of Natural Resources

RCL: Residual contaminant Level

j: Result detected between the laboratory method limit of detection and the limit of quantitation

--: Not Analyzed / Not Applicable

NS: No Established Standard

Results in green/parentheses exceed the WDNR suggested generic direct-contact RCLs at a non-industrial property. Applicable to the top 4 feet.

TABLE 1
SOIL ANALYTICAL RESULTS (PAH)

Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Analyte		Sample Location													WDNR Suggested Generic RCLs	
		GP1	GP2	GP4	GP5	GP6	GP7	GP8	GP9	GP10	GP11	GP12	GP13	GP14	Groundwater Pathway (ug/kg)	Direct Contact Non-Industrial (ug/kg)
Sample Date		1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005	1/25/2005		
Sample Depth (feet)		2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4		
PID (Instrument units)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	23,000	1,100,000
Polynuclear Aromatic Hydrocarbons (PAH's) (ug/kg)	1-methyl Naphthalene	<46	<45	<45	<47	<47	<46	<45	<39	<40	<44	<44	<42	<41	20,000	600,000
	2-methyl Naphthalene	<90	<88	<87	<91	<91	<89	<87	<77	<77	<85	<85	<82	<80	38,000	900,000
	Acenaphthene	<51	<50	<50	<52	<52	<51	<50	<44	<44	<49	<48	<46	<45	700	18,000
	Acenaphthylene	<52	52	<51	<53	<53	<52	<51	<45	<45	<50	<49	<48	<47	3,000,000	5,000,000
	Anthracene	<67	<66	<65	<68	<68	<67	<66	<57	59j	70j	95j	<61	<60	17,000	88
	Benzo (a) anthracene	<67	(183j)	<65	<68	<68	<67	<66	<57	(115j)	(140j)	(159j)	<61	<60	48,000	8.8
	Benzo (a) pyrene	<73	(188j)	<65	<75	<75	<73	<72	<63	(123j)	(157j)	(301)	<67	<65	360,000	88
	Benzo (b) fluoranthene	<52	(222)	<51	<53	<53	<52	52j	<45	(197)	(265)	(314)	<48	<47	6,800,000	1,800
	Benzo (ghi) perylene	<102	<101	<99	<104	<104	<101	<100	<87	<88	<97	188j	<93	<91	870,000	880
	Benzo (k) fluoranthene	<98	<97	<96	<100	<100	<98	<96	<84	99j	<94	109j	<90	<87	37,000	8,800
	Chrysene	<47	168	<46	<48	<48	<47	<46	<40	119j	154	176	<43	<42	38,000	8.8
	Dibenzo (a,h) anthracene	<95	<93	<92	<96	<96	<94	<92	<81	<82	<90	<89	<86	<84	500,000	600,000
	Fluoranthene	<52	333	<51	<53	<53	<52	85j	<45	211	247	306	<48	<84	100,000	600,000
	Fluorene	<51	<50	<50	<52	<52	<51	<50	<44	<44	<49	<48	<46	<45	680,000	88
	Indeno (1,2,3-cd) pyrene	<86	(88j)	<84	<87	<87	<85	<84	<73	<74	<82	(171j)	<78	<76	400	20,000
	Naphthalene	<50	<49	<48	<51	<51	<50	<49	<43	<43	<47	<47	<45	<44	1,800	18,000
	Phenanthrene	32j	90	<24	<25	<25	<25	55j	<21	109	114	151	<23	<22	8,700,000	500,000
	Pyrene	<72	308	<70	<73	<74	<72	<70	<62	196j	250	280	<66	<64		

BDL: Below the detection limit

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

PID: Photoionization Detector

WDNR: Wisconsin Department of Natural Resources

RCL: Residual contaminant Level

j: Result detected between the laboratory method limit of detection and the limit of quantitation

Results in green/parentheses exceed the WDNR suggested generic direct-contact RCLs at a non-industrial property. Applicable to the top 4 feet.

TABLE 1
Soil Analytical Results (lead and cadmium)

Former 2636 West State Street and 2622-26 West State Street
 Milwaukee, Wisconsin
 Project No. 1E-9907009

Sample Location	Sample Depth (feet)	PID (Instrument Units)	Sample Date	Lead (mg/kg)	Lead (TCLP) (mg/L)	Cadmium (mg/kg)
P1	2-4	BDL	10/7/1999	(64)	--	--
	14-16	BDL	10/7/1999	13	--	--
P2	2-4	BDL	10/7/1999	21	--	--
P3	2-4	BDL	10/7/1999	6.6	--	--
P5	2-4	BDL	10/7/1999	16	--	--
P6	2-4	BDL	10/7/1999	20	--	--
P7	2-4	BDL	10/7/1999	(860)	#6.5#	--
P8	2-4	BDL	10/7/1999	17	--	--
P9	2-4	BDL	10/7/1999	24	--	--
P10	2-4	BDL	1/14/2000	8.9j	--	--
P11	2-4	BDL	1/14/2000	13	--	--
P12	2-4	BDL	1/14/2000	19	--	--
P13	2-4	BDL	1/14/2000	17	--	--
P15	2-4	BDL	1/14/2000	18	--	--
P16	2-4	BDL	1/14/2000	43	--	--
P17	2-4	BDL	1/14/2000	37	--	--
P18	2-4	BDL	12/19/2000	(62)	--	--
	4-6	50	12/19/2000	9.8	--	--
P19	2-4	BDL	12/19/2000	(268)	<0.049	--
	4-6	17	12/19/2000	8j	--	--
P20	2-4	BDL	12/19/2000	22	--	--
	4-6	12	12/19/2000	8j	--	--
P21	2-4	BDL	12/19/2000	18	--	--
	4-6	30	12/19/2000	8.1j	--	--
P22	2-4	BDL	12/19/2000	(452)	0.84	--
P23	2-4	BDL	12/19/2000	(1,220)	2.5	--
	4-6	30	12/19/2000	11	--	--
P24	2-4	BDL	12/19/2000	(130)	0.18	--
	4-6	8	12/19/2000	16	--	--
P25	2-4	23	12/19/2000	(177)	0.37	--
	4-6	3	12/19/2000	180	--	--
P26	2-4	BDL	4/10/2001	(594)	--	<0.91
	4-6	BDL	4/10/2001	61	--	<0.86
P27	2-4	BDL	4/10/2001	(93)	--	<0.76
	4-6	BDL	4/10/2001	115	--	<0.84
P28	2-4	BDL	4/10/2001	(214)	--	<0.82
	4-6	BDL	4/10/2001	72	--	<0.82
P29	8-10	BDL	4/10/2001	22	--	<0.82
	12-14	BDL	4/10/2001	24	--	<0.81
GP1	2-4	BDL	1/25/2005	16	--	--
GP2	2-4	BDL	1/25/2005	4.2j	--	--
GP3	2-4	BDL	1/25/2005	<3.2	--	--
NR 720.11 Direct Contact RCL (non-industrial)				50	--	8
WDNR TCLP Acceptance Limit (mg/L)				--	5	5

WDNR Wisconsin Department of Natural Resources
 TCLP: Toxicity characteristic leachate procedure
 mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)
 mg/L: Milligrams per liter; equivalent to parts per million (ppm)
 BDL: Below the detection limit
 PID: Photoionization detector

j: Result detected between the laboratory method limit of detection and the limit of quantitation
 Results expressed in green/parentheses exceed the NR 720.11direct contact RCL (non-industrial). Applicable to the top 4 feet.
 Results expressed in brown/#...# exceed the WDNR TCLP acceptance limit

TABLE 2 GROUNDWATER ELEVATIONS SUMMARY

Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Parameters	Groundwater Monitoring Wells					
	MW1	MW2	MW3	MW4	MW5	MW6
Ground Elevation	98.79	98.76	99.50	97.86	98.82	99.10
Top of PVC Riser	98.40	98.59	101.92	97.07	101.48	101.71
Top of PVC Screen	92.79	93.76	93.50	88.86	93.82	94.10
Bottom of PVC Screen	77.79	78.76	78.50	78.86	78.82	79.10
Groundwater Elevations						
3/1/2000	90.79 (7.61)	87.17 (11.42)	Dry	85.91 (11.16)	95.02 (6.46)	91.71 (10.00)
6/20/2000	92.06 (6.34)	87.37 (11.22)	93.13 (8.79)	90.12 (6.95)	92.42 (9.06)	91.13 (10.58)
10/27/2000	90.70 (7.70)	85.70 (12.70)	84.12 (14.28)	87.83 (10.57)	87.88 (10.52)	86.46 (11.94)
2/28/2001	91.40 (7.00)	86.59 (12.00)	91.57 (10.35)	90.32 (6.75)	92.21 (9.27)	91.61 (10.10)
8/27/2001	90.76 (7.64)	87.19 (11.40)	--	87.23 (9.84)	90.48 (11.00)	90.67 (11.04)
2/4/2005	91.90 (6.50)	85.70 (12.89)	91.73 (10.19)	86.73 (10.34)	89.82 (11.66)	88.96 (12.75)

Benchmark: Finished floor at northwest corner of building

PVC: Polyvinyl chloride

(8.67): Depth to water level from top of PVC pipe

--: Not measured

TABLE 3
Temporary Well Analytical Results

Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907008

Analyte		Sample Location						NR 140.10 PAL	NR 140.10 ES
		P1	P2	P4	P7	P12	P17		
Sample Date		10/7/1999	10/7/1999	10/7/1999	10/7/1999	1/14/2000	1/14/2000		
Lead (ug/L)		<1.4	(3)	<1.4	--	--	--	1.5	15
Detected Volatile Organic Compounds (VOC'S) (ug/L)	Trimethylbenzenes	<u>3,012</u>	<u>2,279</u>	<0.29	37.5	<0.29	<u>4,268</u>	96	480
	Benzene	<u>69</u>	<4.8	<0.19	(1.3)	<0.19	<u>47</u>	0.5	5
	Ethylbenzene	<u>2,750</u>	(395)	<0.16	0.69	<0.16	<u>1,920</u>	140	700
	Isopropylbenzene	153	91	<0.16	0.79	<0.16	140	NS	NS
	n-Propylbenzene	429	334	<0.25	2.4	<0.25	446	NS	NS
	Naphthalene	<u>549</u>	<u>184</u>	<0.46	(11)	<0.46	<u>624</u>	8	40
	p-Isopropyltoluene	28j	20	<0.18	0.26j	<0.18	17	NS	NS
	sec-Butylbenzene	43j	33	<0.3	0.35j	<0.3	32	NS	NS
	Toluene	(787)	<8.3	<0.33	0.96j	<0.33	62	200	1,000
	Total Xylenes	<u>13,370</u>	706	<0.36	33	<0.36	(8,012)	1,000	10,000
	1,1,1-Trichloroethane (TCA)	<12	<5.8	0.52j	0.27j	<5.8	<5.8	40	200
	1,1-Dichloroethane	<7.5	<3.8	0.75	0.33j	<3.8	<3.8	85	850
	Chlorobenzene	<10	<5.0	0.47j	0.33j	<5.0	<5.0	NS	NS
	cis-1,2-Dichloroethene	<10	<5.0	0.45j	0.25j	<5.0	<5.0	7	70
	Acetone	<78	<39	<1.6	12	<39	<39	200	1,000

NOTES:

ug/L: Micrograms per liter; equivalent to parts per billion (ppb)

j: Result detected between the laboratory method limit of detection and limit of quantitation

NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)

Results indicated in blue/parentheses exceed the WAC NR 140.10 PAL

Results indicated in red/underlined exceed the WAC NR 140.10 ES

PAL: WAC NR 140.10 Preventive Action Limit

ES: WAC NR 140.10 Enforcement Standard

--: Not Analyzed

TABLE 4 GROUNDWATER ANALYTICAL RESULTS

Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Sample Location	Sample Date	Lead (ug/L)	Detected VOCs/PVOCs (ug/L)													
			Acetone	Benzene	MEK	E-Benzene	IPBz	n-PBz	Napht	p-IPT	4-Me-2-Pent	TMBs	Toluene	sec-BuBz	Xylenes	MTBE
MW1	03/02/00	(5.9)	26	<0.19	8.1	<0.16	<0.16	<0.25	<0.46	<0.18	7	0.5j	<0.33	<0.3	<0.54	<0.21
	06/20/00	--	--	<0.42	--	<0.66	--	--	<1.2	--	--	<1.34	<0.68	--	<2.01	<0.35
	10/27/00	--	--	<0.42	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.0	<0.30
	02/28/01	--	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	1.1j	<0.30
	08/29/01	<1.5	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	<0.30
	02/07/05	--	--	<0.44	--	<0.57	--	--	--	--	--	<1.25	<0.44	--	<1.48	<0.30
MW2	03/02/00	<1.5	17	<0.19	1.4	<0.16	<0.16	<0.25	<0.46	<0.18	4.8	<0.52	<0.33	<0.3	<0.54	<0.21
	06/20/00	--	--	<0.42	--	<0.66	--	--	<1.2	--	--	<1.34	<0.68	--	<2.01	<0.35
	10/27/00	--	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.0	<0.30
	02/28/01	--	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	0.83j	<0.30
	08/29/01	<1.5	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	<0.30
	02/04/05	--	--	<0.44	--	<0.57	--	--	--	--	--	<1.25	<0.44	--	<1.48	<0.30
MW3	03/17/00	--	<1.6	<0.19	<1.4	<0.16	<0.16	<0.25	0.48j	<0.18	<0.84	<0.52	<0.33	<0.3	<0.54	<0.21
	06/20/00	--	--	(4.2)	--	1.1j	--	--	<1.2	--	--	1.1j	1.0j	--	11j	0.55j
	10/27/00	--	--	<0.44	--	<0.57	--	--	7.6	--	--	14.1	<0.44	--	5.2	<0.30
	02/28/01	<1.5	--	<0.44	--	<0.57	--	--	<1.2	--	--	1.2j	<0.44	--	2.1	<0.30
	08/29/01	<1.5	--	(0.75j)	--	<0.57	--	--	2.5j	--	--	10.2	<0.44	--	4.5	<0.30
	02/04/05	--	--	<0.44	--	<0.57	--	--	--	--	--	<1.25	<0.44	--	<1.48	<0.30
MW4	03/02/00	<1.5	4.9j	<0.19	<1.4	<0.16	<0.16	<0.25	<0.46	<0.18	2.8	<0.52	<0.33	<0.3	<0.54	<0.21
	06/20/00	--	--	(3.8)	--	<0.66	--	--	<1.2	--	--	<1.34	0.84j	--	<2.01	1.7
	10/27/00	--	--	<0.44	--	<0.57	--	--	2.4j	--	--	<1.25	<0.44	--	<1.48	<0.30
	02/28/01	--	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	1.0j	<0.30
	08/29/01	<1.5	--	<0.44	--	<0.57	--	--	<1.2	--	--	1.2j	<0.44	--	<1.48	<0.30
	02/07/05	--	--	<0.44	--	<0.57	--	--	--	--	--	<1.25	<0.44	--	<1.48	<0.30
MW5	03/02/00	<1.5	<78	22j	<69	2,250	122	362	760	13j	<42	4,398	27j	20j	12,670	<11
	06/20/00	--	--	12j	--	1,960	--	--	979	--	--	5,148	<17	--	(9,403)	<8.8
	10/27/00	--	--	<0.44	--	28	--	--	(14)	--	--	79	<0.44	--	125.5	<0.30
	02/28/01	--	--	(0.97j)	--	25	--	--	(8.3)	--	--	10	<0.44	--	107.7	<0.30
	08/29/01	<1.5	--	101	--	746	--	--	284	--	--	878	11	--	1,259	<1.5
	02/04/05	--	--	74	--	(313)	--	--	--	--	--	898	8.4	--	833	<1.2
MW6	03/02/00	(8.3)	<52	563	<46	1,550	54	117	197	7.7j	<28	983	(449)	<10	(5,154)	<7.0
	06/20/00	--	--	347	--	722	--	--	85	--	--	(449)	(252)	--	(2,231)	<8.8
	10/27/00	--	--	5.8	--	13	--	--	<1.2	--	--	1.1j	3.2	--	35.3	<0.30
	02/28/01	--	--	<0.44	--	1.2j	--	--	<1.2	--	--	<1.25	<0.44	--	5.3	<0.30
	08/29/01	<1.5	--	356	--	(535)	--	--	50	--	--	(208)	110	--	1.1j	<0.30
	02/04/05	--	--	105	--	(205)	--	--	--	--	--	(96)	32	--	<1.48	<0.30
NR 140.10 PAL		1.5	200	0.5	90	140	NS	NS	8	NS	NS	96	200	NS	1,000	12
NR 140.10 ES		15	1,000	5	460	700	NS	NS	40	NS	NS	480	1,000	NS	10,000	60

NOTES:

VOCs: Volatile organic compounds
PVOCs: Petroleum volatile organic compounds
sec-BuBz: sec-Butylbenzene
E-Benzene: Ethylbenzene
IPBz: Isopropylbenzene
p-IPT: p-Isopropyltoluene
Napht: Naphthalene
n-PBz: n-Propylbenzene
j: Result detected between the laboratory method limit of detection and limit of quantitation
Results indicated in blue/parentheses exceed the WAC NR 140.10 PAL
Results indicated in red/underlined exceed the WAC NR 140.10 ES

4-Me-2-Pent: 4-Methyl-2-Pentanone

TMBs: 1,2,4 & 1,3,5-Trimethylbenzene

MTBE: Methyl t-butyl ether

ug/L: Micrograms per liter; equivalent to parts per billion (ppb)

NS: No Established Standard

--: Not Analyzed

NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)

PAL: WAC NR 140.10 Preventive Action Limit

ES: WAC NR 140.10 Enforcement Standard

TABLE 4 GROUNDWATER ANALYTICAL RESULTS

Former 2636 West State Street and 2622-26 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Analyte	Sample Location	NR 140.10 PAL	NR 140.10 ES
	MW3		
Date Sampled	02/28/01		
DRO (ug/L)	6,480	NS	NS
Cadmium (ug/L)	<0.4	0.5	5
Detected PAHs (ug/L)			
Pyrene	0.43	50	250
Detected PCBs (ug/L)			
Aroclor 1260	<u>210</u>	0.003	0.03

NOTES:

DRO: Diesel Range Organics

PAHs: Polynuclear Aromatic Hydrocarbons

PCBs: Polychlorinated Biphenyls

WAC: Wisconsin Administrative Code

NS: No Established Standard

NR: Natural Resources Chapter of the WAC

ug/L: Micrograms per liter; equivalent to parts per billion (ppb)

PAL: WAC NR 140 Preventive Action Limit

ES: WAC NR 140 Enforcement Standard

Results indicated in red/underlined exceed the WAC NR 140.10 ES

TABLE 5
NATURAL ATTENUATION PARAMETERS SUMMARY

Former 2636 West State Street and 2622-2626 West State Street
Milwaukee, Wisconsin
Project No. 1E-9907009

Sample Location	Date	Temperature (°C) (Field)	Conductivity (us/cm) (Field)	pH (Field)	ORP (mV) (Field)	Dissolved Oxygen (mg/L) (Field)	Dissolved Iron (mg/L) (Field/200.7)	Dissolved Manganese (mg/L) (200.7)	Dissolved Nitrate (mg/L) (353.3)	Dissolved Sulfate (mg/L) (375.4)	Dissolved Methane (ug/L) (ECCS-1)
MW1	3/1/2000	11.27	880	7.84	217	9.42	--	--	--	--	--
	6/20/2000	11.12	1128	7.43	373	0.43	0.48	0.04	2.2	83	<0.5
	10/27/2000	14.94	968	7.85	346	1.71	2.7	--	--	--	5.8
	2/28/2001	8.29	1020	7.00	456	0.95	--	--	--	--	<0.5
	8/29/2001	13.75	819	7.07	575	0.33	--	--	--	--	<0.50
	2/4/2005	9.36	622	8.45	430	1.36	--	--	--	--	--
MW2	3/1/2000	15.28	5107	7.28	240	5.83	--	--	--	--	--
	6/20/2000	14.92	7342	6.82	408	0.93	3.9	0.46	0.15	282	5.7
	10/27/2000	16.60	5254	7.05	393	0.55	2.7	--	--	--	9.4
	2/28/2001	14.38	7741	6.31	486	0.43	--	--	--	--	4
	8/29/2001	15.73	4642	6.48	614	0.47	--	--	--	--	2.7
	2/4/2005	13.42	2542	7.54	500	0.54	--	--	--	--	--
MW3	3/1/2000	--	--	--	--	--	--	--	--	--	--
	6/20/2000	12.03	1467	7.27	392	0.51	0.26	0.41	<0.03	<10	260
	10/27/2000	14.62	1916	7.53	361	0.43	0.24	--	--	--	480
	2/28/2001	9.80	1534	7.19	514	0.82	--	--	--	--	760
	8/29/2001	--	--	--	--	--	--	--	--	--	440
	2/4/2005	10.91	1356	7.73	272	0.26	--	--	--	--	--
MW4	3/1/2000	11.63	4188	7.72	238	4.64	--	--	--	--	--
	6/20/2000	11.44	6418	6.98	407	0.30	1.8	0.43	<0.03	348	0.71
	10/27/2000	14.49	3077	7.42	371	0.99	1.4	--	--	--	54
	2/28/2001	9.21	7592	6.46	487	0.46	--	--	--	--	33
	8/29/2001	15.26	3766	6.62	597	0.36	--	--	--	--	38
	2/4/2005	11.84	6180	6.91	531	0.37	--	--	--	--	--
MW5	3/1/2000	8.74	1454	7.49	226	4.28	--	--	--	--	--
	6/20/2000	11.41	4062	7.15	386	0.57	0.54	0.2	<0.03	<10	590
	10/27/2000	15.08	2605	7.42	368	0.24	0.33	--	--	--	350
	2/28/2001	9.36	7985	6.32	498	0.46	--	--	--	--	890
	8/29/2001	15.13	5511	6.53	601	0.22	--	--	--	--	340
	2/4/2005	10.92	3451	7.43	287	0.30	--	--	--	--	--
MW6	3/1/2000	11.16	1909	7.39	233	2.03	--	--	--	--	--
	6/20/2000	10.75	1306	7.22	360	3.72	0.57	0.16	<0.03	33	3,100
	10/27/2000	13.92	1261	7.45	359	0.99	0.65	--	--	--	700
	2/28/2001	8.42	1281	6.82	505	5.39	--	--	--	--	9.7
	8/29/2001	13.02	1334	7.21	556	2.05	--	--	--	--	5,000
	2/4/2005	11.30	1366	7.80	313	0.40	--	--	--	--	--

NOTES:

C: Degrees Celcius
us/cm: Microsiemens per centimeter
ORP: Oxidation reduction potential
mV: Millivolts
mg/L: Milligrams per liter
--: Not analyzed/measured

(200.7): Method

Important Information About Your Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provision you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- Modification of the proposed development or ownership group,
- Sale or other property transfer,
- Replacement of or additions to the financing entity,
- Amendment of existing regulations or introduction of new ones, or
- Changes in the use or condition of adjacent property.

Should you become aware of any change *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that

passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface track of its existence. *Even conditions in areas that were tested can change,* sometimes suddenly, due to any number of events, not the least of which include occurrences at adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency . . . or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else — a third-party — will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service),

and that — in any event — they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so as its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care.

Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that seldom is the case.

Realize that Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental profes-

sional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in ASFE exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your ASFE-member geoenvironmental professional for more information.

ASFE

8811 Colesville Road/Suite G108, Silver Spring, MD 20910

Telephone: 301/565-2733 Facsimile: 301/589-2017

e-mail: info@asfe.org www.asfe.org

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11GR06005.0M

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

MW - 1

PROJECT:

SURFACE ELEVATION:

98.8

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

2/28/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
6"± Concrete; 18"± Silty fine to coarse Sand and Gravel (Base Course)-Moist									
Brown and Gray mottled Silty Clay, little fine to coarse Sand-Moist		1-SS	4					BDL	
	5	2-SS	3					BDL	
Brown Silty fine to coarse Sand and Gravel-Very Moist to Wet		3-SS	23					BDL	
Gray Silty Clay, little fine to coarse Sand and Gravel-Moist	10	4-SS	12					BDL	
		5-SS	22					BDL	
	15	6-SS	20					BDL	
		7-SS	28					BDL	
	20	8-SS	16					BDL	

Boring terminated at 21½ feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in HNU-units. BDL=Below Detection Limit.

WATER OBSERVATION DATA

REMARKS

▽	WATER ENCOUNTERED DURING DRILLING: 5 ft.
▽	WATER LEVEL AFTER REMOVAL: None
▬	CAVE DEPTH AFTER REMOVAL: None
▽	WATER LEVEL AFTER HOURS:
▬	CAVE DEPTH AFTER HOURS:

Well set at 21 feet with 15 feet of screen.

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

MW - 2

PROJECT:

SURFACE ELEVATION:

98.8

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

2/28/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
4"± Concrete; 20"± Silty fine to coarse Sand and Gravel (Base Course)-Moist									
Black Silty Clay, little fine to coarse Sand (Fill)-Moist		1-SS	5					BDL	
Gray-Brown Silty Clay, little fine Sand-Moist	5	2-SS	3					BDL	
		3-SS	6					BDL	
	10	4-SS	6					BDL	
Gray Silt with fine to coarse Sand and Gravel-Wet		5-SS	21					BDL	
	15	6-SS	11					BDL	
Gray Silty Clay, little fine to coarse Sand-Wet		7-SS	21					BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in HNU-units. BDL=Below Detection Limit.

WATER OBSERVATION DATA

REMARKS

WATER ENCOUNTERED DURING DRILLING: 10 ft.

Well set at 20 feet with 15 feet of screen.

WATER LEVEL AFTER REMOVAL: None

CAVE DEPTH AFTER REMOVAL: None

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

MW - 3

PROJECT:

SURFACE ELEVATION:

99.5

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

2/28/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; 6"± Black Silty Clay, some fine to coarse Sand (Fill)-Moist									
Brown Silt, some fine to coarse Sand (Fill)-Moist		1-SS	11 & 50/5"					BDL	
	5	2-SS	15					22	
Gray-Brown Silty Clay, little fine to coarse Sand and Gravel (petroleum odor)-Moist									
Gray-Brown Silty Clay, trace to little fine to coarse Sand-Moist		3-SS	24					BDL	
	10	4-SS	22					BDL	
		5-SS	20					BDL	
Gray Silty Clay, trace fine Sand-Moist	15	6-SS	21					BDL	
Wet at 17 feet	▽	7-SS	14					BDL	
	20	8-SS	25					BDL	

Boring terminated at 21½ feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in HNU-units. BDL=Below Detection Limit.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 17 ft.	Well set at 21 feet with 15 feet of screen.
▽	WATER LEVEL AFTER REMOVAL: None	
▨	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▨	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

MW - 4

PROJECT:

SURFACE ELEVATION:

97.9

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

2/28/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; 12"± Dark Brown Silty Clay, some fine to coarse Sand and Gravel (Fill)-Moist									
Brown Silty fine Sand (Fill)-Moist		1-SS	5					BDL	
Brown Silty fine Sand and Gravel (Fill)-Wet	5	2-SS	3					BDL	
Gray Silty Clay, little fine to coarse Sand-Moist		3-SS	12					15	
Gray Silty Clay, little fine to coarse Sand-Wet	10	4-SS	21					BDL	
		5-SS	33					BDL	
	15	6-SS	23					BDL	
		7-SS	27					BDL	

Boring terminated at 19 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in HNU-units. BDL=Below Detection Limit.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	Well set at 19 feet with 10 feet of screen.
▽	WATER LEVEL AFTER REMOVAL: None	
▬	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▬	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: MW - 5	PROJECT:
SURFACE ELEVATION: 98.8	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 2/28/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Chip Rens	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Cover; 12"± Black to Dark Brown Silty Clay, little fine to coarse Sand (Fill)-Moist									
Gray-Brown Silty Clay, some fine Sand-Moist		1-SS	5					BDL	
	5	2-SS	8					50	
		3-SS	18					2000+	
Gray Silty fine to coarse Sand and Gravel (petroleum odor)-Wet	10	4-SS	12					70	
Gray Silty Clay, little fine to coarse Sand-Wet		5-SS	26					11	
	15	6-SS	19					BDL	
		7-SS	11					BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in HNU-units. BDL=Below Detection Limit.

WATER OBSERVATION DATA	REMARKS
WATER ENCOUNTERED DURING DRILLING: 10 ft. WATER LEVEL AFTER REMOVAL: None CAVE DEPTH AFTER REMOVAL: None WATER LEVEL AFTER HOURS: CAVE DEPTH AFTER HOURS:	Well set at 20 feet with 15 feet of screen.

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

MW - 6

PROJECT:

SURFACE ELEVATION:

99.1

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

2/28/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Cover; Brown Silty Clay, little fine to coarse Sand (Fill)-Moist									
Gray and Brown mottled Silty Clay, little fine Sand-Moist		1-SS	12					BDL	
	5	2-SS	3					BDL	
Brown-Gray Silty Clay, little fine Sand-Moist		3-SS	14					BDL	
Gray Silty Clay, little fine to coarse Sand-Moist	10	4-SS	6					BDL	
		5-SS	10					BDL	
Gray Silty fine to coarse Sand and Gravel (petroleum odor)-Wet	15	6-SS	25					302	
Gray Silty Clay, little fine Sand (petroleum odor)-Wet		7-SS	19					120	

Boring terminated at 20 ft.

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in HNU-units. BDL=Below Detection Limit.

WATER OBSERVATION DATA

REMARKS

WATER ENCOUNTERED DURING DRILLING: 10 ft.

Well set at 20 feet with 15 feet of screen.

WATER LEVEL AFTER REMOVAL: None

CAVE DEPTH AFTER REMOVAL: None

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 1

SURFACE ELEVATION:

99.3

COMPLETION DATE:

10/7/99

FIELD REPRESENTATIVE:

Dick Reesman

PROJECT:

PROJECT LOCATION:

2636 West State Street

Milwaukee, Wisconsin

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown and Dark Brown Clayey Silt, little fine to coarse Sand (Fill)-Moist		1-PS						BDL	
Brown, Gray, and Orange-Brown mottled Silty Clay to Clayey Silt, trace fine Sand (Possible Fill)-Moist		2-PS						BDL	(1)
	5	3-PS						BDL	
Brown Clayey Silt, trace very fine Sand-Moist		4-PS						BDL	
Brown Silty Clay, some Gray Silty Lenses, trace fine Sand-Moist		5-PS						BDL	
	10	6-PS						BDL	
Gray Silty Clay, trace fine Sand-Wet		7-PS						BDL	
	15	8-PS						700	(2)
Black fine to coarse Sandy Silt (petroleum odor)-Wet		9-PS						500	
Gray Silty Clay, trace fine Sand (petroleum odor)-Wet		10-PS						800	
	20	11-PS						300	
		12-PS						750	
	25								
		13-PS						500	(2)

Boring terminated at 28 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
▽	CAVE DEPTH AFTER REMOVAL: None	Note: Groundwater sample submitted for VOC and Pb analyses.
▽	WATER LEVEL AFTER HOURS:	
▽	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E99070-1 GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 2

PROJECT:

SURFACE ELEVATION:

99.4

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

10/7/99

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Dick Reesman

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Dark Brown and Black mottled Clayey Silt, little fine to coarse Sand and fine Gravel (Fill)-Moist		1-PS						10	
Brown, Gray, and Black mottled Silty Clay, little fine to coarse Sand (Fill)-Moist		2-PS						5	(1)
Brown Silty Clay, some gray Silty Lenses, trace fine Sand-Moist	5	3-PS						BDL	
Gray and Black Clayey Silt, trace fine Sand (petroleum odor)-Wet		4-PS						110	
		5-PS						600	(2)
Gray Silty Clay, trace fine Sand-Moist	10	6-PS						10	
		7-PS						8	
	15	8-PS						BDL	(2)

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

SUBSURFACE EXPLORATION E99079-1.GPJ GIL CORP.GDT 7/29/05

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
---	CAVE DEPTH AFTER REMOVAL: None	Note: Groundwater sample submitted for VOC and Pb analyses.
▽	WATER LEVEL AFTER HOURS:	
---	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: P - 3	PROJECT:
SURFACE ELEVATION: 99.8	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 10/7/99	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Dick Reesman	GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Orange-Brown Silty Clay, trace fine Sand (Fill)-Moist		1-PS						BDL	
Orange-Brown fine Sandy Silt, little medium to coarse Sand and fine Gravel (Fill)-Moist		2-PS						BDL	(1)
	5	3-PS						BDL	
Brown Clayey Silt, trace fine Sand-Moist to Very Moist		4-PS						BDL	
		5-PS						BDL	
Gray Silty Clay to Clayey Silt, trace fine to coarse Sand and fine Gravel-Moist	10	6-PS						BDL	(2)
		7-PS						BDL	
	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
	WATER ENCOUNTERED DURING DRILLING: None	(1) Soil sample submitted for Pb and PAH analyses.
	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E99079-1 GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 4

PROJECT:

SURFACE ELEVATION:

100.1

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

10/7/99

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Dick Reesman

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
3"± Asphalt; Brown, Dark Brown, and Black Silty Clay to Clayey Silt, little fine to coarse Sand and Gravel (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	(1)
Brown Gray mottled Silty Clay, trace to little fine to coarse Sand (Possible Fill)-Moist		3-PS						BDL	
	5	4-PS						BDL	
		5-PS						BDL	
Brown Silty Clay to Clayey Silt, trace Gray Silty Lenses and fine to coarse Sand (Wet at 10± feet)-Moist	10	6-PS						BDL	(2)
		7-PS						BDL	
Gray fine Sandy Silt to Silt with little fine Sand-Wet		8-PS						BDL	
	15								

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

10 ft.	(1) Soil sample submitted for Pb and PAH analyses.
None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
None	Note: Groundwater sample submitted for VOC and Pb analyses.

SUBSURFACE EXPLORATION E99079-1.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 5

PROJECT:

SURFACE ELEVATION:

99.6

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

10/7/99

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Dick Reesman

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
3"± Asphalt; Dark Brown, Gray and Black Clayey Silt, some fine to coarse Sand and Gravel (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	(1)
Gray Silty Clay, trace fine to coarse Sand (Possible Fill)-Moist	5	3-PS						BDL	
Brown Clayey Silt, trace fine to coarse Sand-Moist		4-PS						BDL	
		5-PS						BDL	
Brown Gray Silty Clay to Clayey Silt, trace fine Sand-Moist	10	6-PS						BDL	
Gray Silty Clay, trace fine Sand-Moist		7-PS						BDL	(2)
	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
---	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
---	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E99079-1.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 6

PROJECT:

SURFACE ELEVATION:

100.5

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

10/7/99

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Dick Reesman

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
3"± Asphalt; Dark Brown and Black Clayey Silt, little fine to coarse Sand (Fill)-Moist		1-PS						BDL	(1)
Brown Gray mottled Silty Clay to Clayey Silt, little fine to coarse Sand (Fill)-Moist		2-PS						BDL	
Orange-Brown Clayey Silt, little fine Sand (Possible Fill)-Very Moist	5	3-PS						BDL	
		4-PS						BDL	
Brown Silty Clay to Clayey Silt, trace to little fine to coarse Sand-Moist		5-PS						BDL	(2)
Gray Silty Clay to Clayey Silt, trace to little fine to coarse Sand-Moist	10	6-PS						BDL	
		7-PS						BDL	
	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 16 ft.	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
▨	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▨	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E99079-1.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 7

PROJECT:

SURFACE ELEVATION:

99.6

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

10/7/99

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Dick Reesman

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Dark Brown Clayey Silt, little to some fine to coarse Sand and Gravel (Fill)-Moist		1-PS						BDL	
Dark Brown and Gray Clayey Silt, some fine to coarse Sand (Fill)-Very Moist		2-PS						BDL	(1)
	5	3-PS						45	(2)
Brown Silty Clay, trace fine to coarse Sand-Moist		4-PS						BDL	
		5-PS						7	
	10	6-PS						BDL	
Gray Silty Clay, trace fine Sand-Moist		7-PS						BDL	
	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 16 ft.	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
▽	CAVE DEPTH AFTER REMOVAL: None	Note: Groundwater sample submitted for VOC and Pb analyses.
▽	WATER LEVEL AFTER HOURS:	
▽	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E99079-1.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 8

PROJECT:

SURFACE ELEVATION:

99.3

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

10/7/99

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Dick Reesman

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Dark Brown to Black Clayey Silt, little fine to coarse Sand and Gravel (Fill)-Moist		1-PS						BDL	
Brown Gray Mottled Silty Clay to Clayey Silt, trace to little fine to coarse Sand (Possible Fill)-Moist		2-PS						BDL	(1)
	5	3-PS						BDL	
		4-PS						BDL	
Brown Gray Silty Clay to Clayey Silt, trace fine Sand-Moist		5-PS						BDL	
Gray Silty Clay, little fine Sand-Very Moist to Wet	10	6-PS						BDL	
		7-PS						BDL	
Gray Sand and Gravel (Petroleum Odor)-Wet	15	8-PS						70	(2)
Gray Silty Clay, trace fine Sand (Petroleum Odor)-Moist		9-PS						BDL	(2)
Gray Silty Clay, trace fine Sand-Moist		10-PS						BDL	

Boring Terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 15 ft.	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
▨	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▨	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E99079-1.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 9

PROJECT:

SURFACE ELEVATION:

99.6

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

10/7/99

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Dick Reesman

GILES PROJECT NUMBER: 1E-9907009-1

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Dark Brown Clayey Silt, little fine to coarse Sand and Gravel (Fill)-Moist		1-PS						BDL	
Brown Gray Silty Clay to Clayey Silt, trace to little fine to coarse Sand-Moist		2-PS						BDL	(1)
	5	3-PS						BDL	
		4-PS						BDL	
		5-PS						BDL	
Gray Clayey Silt to Silt, trace fine Sand-Wet	10	6-PS						BDL	
Gray Silty fine Sand to fine Sandy Silt (petroleum odor)-Wet		7-PS						250	
Gray Silty fine to coarse Sand and Gravel (petroleum odor)-Wet	15	8-PS						250	(2)
No sample collected									
Gray Silty Clay, trace fine Sand (petroleum odor)-Moist	20	9-PS						100	
		10-PS						150	

Boring terminated at 24 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, VOC, and DRO analyses.
▬	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▬	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E99079-1 GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 10

PROJECT:

SURFACE ELEVATION:

100.1

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/14/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay, little fine to coarse Sand and Gravel-Damp		1-PS						BDL	
Brown fine Sand, little fine to coarse Gravel (Fill)-Moist		2-PS						BDL	(1)
	5	3-PS						BDL	
		4-PS						1000	(2)
Gray Clayey Silt, little fine to coarse Sand (petroleum odor)-Moist		5-PS						600	
	10	6-PS						1100	
Gray fine to coarse Sand and Gravel, some Silt (petroleum odor)-Wet		7-PS						2000	
Gray Clayey Silt, little fine to coarse Sand (petroleum odor)-Wet	15	8-PS						900	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 7.5 ft.	(1) Soil sample submitted for PAH, Pb, GRO, DRO and VOC analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, DRO and VOC analyses.
▽	CAVE DEPTH AFTER REMOVAL: None	PS = Probe Sample
▽	WATER LEVEL AFTER HOURS:	
▽	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 11

PROJECT:

SURFACE ELEVATION:

98.7

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/14/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; 6"± Black Silty Clay (Topsoil Fill)-Moist		1-PS						BDL	
Brown Silty Clay, some fine Sand (Fill)-Moist		2-PS						BDL	(1)
Brown Gray Silty Clay, little fine Sand and Gravel-Moist	5	3-PS						BDL	
Gray Silty Clay, little fine Sand-Wet at 8± feet		4-PS						BDL	(2)
	5	5-PS						BDL	
	10	6-PS						BDL	
		7-PS						BDL	
	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

WATER ENCOUNTERED DURING DRILLING: 8 ft.

(1) Soil sample submitted for PAH and Pb analyses.

WATER LEVEL AFTER REMOVAL: None

(2) Soil sample submitted for GRO, DRO and VOC analyses.

CAVE DEPTH AFTER REMOVAL: None

PS = Probe Sample

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 12

SURFACE ELEVATION:

100.0

COMPLETION DATE:

1/14/00

FIELD REPRESENTATIVE:

Chip Rens

PROJECT:

PROJECT LOCATION:

2636 West State Street

Milwaukee, Wisconsin

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay, little fine to coarse Sand and Gravel (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	(1)
Brown fine to coarse Sand and Gravel; concrete slag (Fill)-Wet	5	3-PS						BDL	
Brown Silty Clay, little fine Sand-Moist		4-PS						BDL	
Brown Silty Clay, little fine to coarse Sand with fine to coarse Sand Seam at 8± to 8.6± feet-Wet	10	5-PS						BDL	(2)
		6-PS						BDL	
Fine to coarse Sand Seam-Wet		7-PS						BDL	
Brown and Gray Silty Clay, little fine to coarse Sand-Very Moist	15	8-PS						BDL	(3)

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	(1) Soil sample submitted for Pb and PAH analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, DRO and VOC analyses.
▽	CAVE DEPTH AFTER REMOVAL: None	(3) Groundwater sample submitted for VOC and Pb analyses.
▽	WATER LEVEL AFTER HOURS:	PS = Probe Sample
▽	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 13

PROJECT:

SURFACE ELEVATION:

100.3

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/14/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay, little fine to coarse Sand and Gravel-Moist		1-PS						BDL	
		2-PS						BDL	(1)
Brown Silt, little fine to coarse Sand and Gravel (Fill)-Moist	5	3-PS						BDL	
		4-PS						BDL	
Brown Silty Clay, little fine to coarse Sand-Moist		5-PS						BDL	
	10	6-PS						BDL	
Gray Silty Clay, little fine to coarse Sand-Moist		7-PS						BDL	(2)
		8-PS						BDL	
	15	9-PS						BDL	
		10-PS						BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(1) Soil sample submitted for PAH and Pb analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, DRO and VOC analyses.
▨	CAVE DEPTH AFTER REMOVAL: None	PS = Probe Sample
▽	WATER LEVEL AFTER HOURS:	
▨	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: P - 14	PROJECT:
SURFACE ELEVATION: 99.9	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 1/14/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Chip Rens	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay, little fine to coarse Sand and Gravel-Moist		PS-1						BDL	
		PS-2						BDL	
Concrete at Tip	5	PS-3						BDL	

Boring terminated at 5½ feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
	WATER ENCOUNTERED DURING DRILLING: None	PS = Probe Sample
	WATER LEVEL AFTER REMOVAL: None	
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: P - 15	PROJECT:
SURFACE ELEVATION: 99.2	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 1/14/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Chip Rens	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Black and Brown Silty Clay, little fine to coarse Sand and Gravel-Moist		PS-1						BDL	
Gray and Brown mottled Clayey Silt, little fine Sand-Moist		PS-2						BDL	(1)
	5	PS-3						BDL	
		PS-4						BDL	
Gray Silty Clay, little fine to coarse Sand and Gravel-Wet	10	PS-5						BDL	
		PS-6						BDL	(2)
4"± fine Sand Seam at 12 feet-Wet		PS-7						BDL	
	15	PS-8						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 9 ft.	(1) Soil sample submitted for PAH and Pb analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, DRO and VOC analyses.
---	CAVE DEPTH AFTER REMOVAL: None	PS = Probe Sample
▽	WATER LEVEL AFTER HOURS:	
---	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 16

PROJECT:

SURFACE ELEVATION:

99.7

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/14/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Cover; Brown Silty Clay; little fine to coarse Sand, Gravel and glass and asphalt fragments (Fill)-Moist		PS-1						BDL	
		PS-2						BDL	(1)
Brown and Gray mottled Silty Clay, little fine to coarse Sand and Organic Matter (Fill)-Moist		PS-3						1500	
Gray Clayey Silt, little fine to coarse Sand and Gravel (petroleum odor)-Moist	5	PS-4						2000	(2)
		PS-5						1800	
Black Silt, some Sand and Gravel (Possible Coal) (Fill)-Moist	10	PS-6						20	
Gray and Brown Silty Clay, little fine to coarse Sand and Gravel (petroleum odor)-Damp		PS-7						150	
	15	PS-8						20	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(1) Soil sample submitted for PAH, Pb, GRO, DRO and VOC analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, DRO and VOC analyses.
▽	CAVE DEPTH AFTER REMOVAL: None	PS = Probe Sample
▽	WATER LEVEL AFTER HOURS:	
▽	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 17

PROJECT:

SURFACE ELEVATION:

99.9

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/14/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Chip Rens

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay, little fine to coarse Sand and Gravel (Fill)-Moist		PS-1						BDL	
Dark Brown and Gray Silty Clay, little fine to coarse Sand (Fill)-Moist		PS-2						BDL	(1)
Brown and Gray mottled Clayey Silt, little fine Sand-Moist	5	PS-3						BDL	
		PS-4						BDL	
Brown and Gray Clayey Silt, little fine Sand-Damp to Moist	10	PS-5						BDL	
		PS-6						BDL	
		PS-7						BDL	(2)
	15	PS-8						41	
Black-stained fine to coarse Sand and Gravel (petroleum odor)-Wet		PS-9						2000	
Gray and Brown Silty Clay, little fine to coarse Sand (petroleum odor)-Moist to Wet		PS-10						100	(3)

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

▽	WATER ENCOUNTERED DURING DRILLING: 12 ft.	(1) Soil sample submitted for PAH and Pb analyses.
▽	WATER LEVEL AFTER REMOVAL: None	(2) Soil sample submitted for GRO, DRO and VOC analyses.
▽	CAVE DEPTH AFTER REMOVAL: None	(3) Groundwater sample submitted for VOC and Pb analyses.
▽	WATER LEVEL AFTER HOURS:	PS = Probe Sample
▽	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 18

PROJECT:

SURFACE ELEVATION:

99.8

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

12/19/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Black-Brown Silty Clay, little fine to coarse Sand and Organic Matter (roots) (Fill)-Moist		1-PS						BDL	
Brown Silty fine to coarse Sand, with concrete and brick fragments (Fill)-Moist		2-PS						BDL	(a)
Brown Silty Clay; some fine to coarse Sand, trace to little Gravel (Fill)-Very Moist	5	3-PS						50	(a)
Gray Sandy Silt (petroleum odor) (Possible Fill)-Very Moist to Wet		4-PS						10	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for lead, DRO, and GRO/PVOC & Naphthalene analyses. PS = Probe Sample
	WATER LEVEL AFTER REMOVAL: None	
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: P - 19	PROJECT:
SURFACE ELEVATION: 100.0	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 12/19/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Dark Brown-Brown Silty Clay; little fine to coarse Sand, trace Gravel and Organic Matter (roots) (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	(a)
Brown-Gray-Black Sandy Silt to Silty Sand; trace fine Gravel and concrete, glass and brick fragments (petroleum odor) (Fill)-Moist	5	3-PS						17	(a)
Brown-Gray Silty Clay; little fine to coarse Sand, trace Gravel-Moist		4-PS						7	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for lead analysis. PS = Probe Sample
▽	WATER LEVEL AFTER REMOVAL: None	
▨	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▨	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 20

PROJECT:

SURFACE ELEVATION:

99.7

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

12/19/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Black Silty Clay to Clayey Silt; little fine to coarse Sand, trace Organic Matter (roots) (Fill)-Moist		1-PS						BDL	
Brown to Dark Brown Silty Sand to Sandy Silt, trace to little Gravel (Fill)-Moist		2-PS						BDL	(a)
Brown-Gray Silty Clay to Clayey Silt; little fine to coarse Sand, trace Gravel (slight Petroleum Odor)-Very Moist	5	3-PS						12	(a)
		4-PS						BDL	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for lead, DRO, and GRO/PVOC & Naphthalene analyses. PS = Probe Sample
▽	WATER LEVEL AFTER REMOVAL: None	
▨	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▨	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 21

PROJECT:

SURFACE ELEVATION:

99.9

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

12/19/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Dark Brown to Brown Silty Clay, little fine to coarse Sand (Fill)-Moist		1-PS						BDL	
Brown-Gray to Brown Silty Clay, little fine to coarse Sand-Moist		2-PS						BDL	(a)
Brown Silty fine Sand to fine Sandy Silt, trace Clay-Moist	5	3-PS						30	(a)
Brown-Gray Silty Clay, little fine to coarse Sand (Petroleum Odor)-Moist		4-PS						BDL	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

WATER ENCOUNTERED DURING DRILLING: None

(a) Soil sample submitted for lead analysis.

WATER LEVEL AFTER REMOVAL: None

PS = Probe Sample

CAVE DEPTH AFTER REMOVAL: None

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: P - 22	PROJECT:
SURFACE ELEVATION: 100.0	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 12/19/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Dark Brown Silty Clay to Clayey Silt; little fine to coarse Sand, and Organic Matter (Fill)-Moist		1-PS						BDL	
Brown to Dark Brown Sandy Silt to Silty Sand; little Gravel and concrete fragments (Fill)-Moist		2-PS						BDL	(a)
		3-PS						BDL	

Boring terminated at 5 feet due to probe refusal on concrete

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for lead, DRO, and GRO/PVOC & Naphthalene analyses. PS = Probe Sample
▽	WATER LEVEL AFTER REMOVAL: None	
▬	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▬	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 23

SURFACE ELEVATION:

100.0

COMPLETION DATE:

12/19/00

FIELD REPRESENTATIVE:

Tom Bauman

PROJECT:

PROJECT LOCATION:

2636 West State Street

Milwaukee, Wisconsin

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Dark Brown Silty Clay; little fine to coarse Sand and Organic Matter (roots) (Fill)-Moist		1-PS						BDL	
Brown-Black and Gray Sandy Silt to Silty Sand, little Clay (Fill)-Moist		2-PS						BDL	(a)
	5	3-PS						10	(a)
Gray fine Sand, trace Gravel (petroleum odor) (Possible Fill)-Moist		4-PS						30	

Gray-Brown Silty Clay; little fine to coarse Sand, trace Gravel-Very Moist
Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

WATER ENCOUNTERED DURING DRILLING: None

WATER LEVEL AFTER REMOVAL: None

CAVE DEPTH AFTER REMOVAL: None

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

(a) Soil sample submitted for lead analysis.

PS = Probe Sample

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 24

PROJECT:

SURFACE ELEVATION:

99.6

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

12/19/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Dark Brown to Brown Silty Clay, little fine to coarse Gravel and Organic Material (roots) (Fill)-Moist		1-PS						BDL	
Dark Brown and Brown Silty Sand to Sandy Silt, trace Clay and Gravel and glass fragments (Fill) (petroleum odor)-Moist		2-PS						BDL	(a)
Brown-Gray, fine Sand, trace Gravel (Petroleum Odor) (Possible Fill)-Wet	5	3-PS						8	(a)
Brown-Gray Silty Clay; little to some fine to coarse Sand, trace Gravel-Very Moist		4-PS						6	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in HNU-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

	WATER ENCOUNTERED DURING DRILLING: None WATER LEVEL AFTER REMOVAL: None CAVE DEPTH AFTER REMOVAL: None WATER LEVEL AFTER HOURS: CAVE DEPTH AFTER HOURS:	(a) Soil sample submitted for lead, DRO, and GRO/PVOC & Naphthalene analyses. PS = Probe Sample
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SUBSURFACE EXPLORATION E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 25

PROJECT:

SURFACE ELEVATION:

99.8

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

12/19/00

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Dark Brown Silty Clay, little fine to coarse Sand and Organic Matter (roots) (Fill)-Moist		1-PS						BDL	
Dark Brown to Black Silty Sand to Sandy Silt (Fill) (Petroleum Odor)-Moist		2-PS						23	(a)
Black and Gray Clayey Silt to Silty Clay; little to some fine to coarse Sand, trace Gravel (Fill) (slight Petroleum Odor)-Very Moist to Wet	5	3-PS						3	(a)
Gray-Brown Silty Clay; little fine to coarse, trace Gravel-Very Moist to Wet		4-PS							
Boring terminated at 8 feet									

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for lead analysis. PS = Probe Sample
	WATER LEVEL AFTER REMOVAL: None	
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 26

PROJECT:

SURFACE ELEVATION:

99.9

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

4/10/01

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brown Silty Clay to Clayey Silt, some fine to coarse Sand and Gravel (Fill)-Very Moist	5	1-PS						BDL	
Brown Clayey Silt to Sandy Silt (Fill)-Very Moist to Wet		2-PS						BDL	(a)
Brown Sand, trace to little Gravel and Clay (Fill)-Wet		3-PS						BDL	(a)
Gray Silty Clay, little fine to coarse Sand, trace Gravel-Very Moist		4-PS						BDL	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PVOC, PCB, PAH, Pb and Cd analyses. PS = Probe Sample
▽	WATER LEVEL AFTER REMOVAL: None	
---	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
---	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: P - 27	PROJECT:
SURFACE ELEVATION: 99.9	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 4/10/01	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Black Clayey Silt, little fine to coarse Sand and Organic Matter (Fill)-Moist		1-PS						BDL	
Brown Sandy Gravel to Gravely Sand (Fill)-Moist		2-PS						BDL	(a)
concrete and brick fragments (Fill)-Wet		3-PS						BDL	(a)
Brown-Gray Silty Clay, little fine to coarse Sand, trace Gravel-Very Moist	5	4-PS						BDL	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PVOC, PCB, PAH, Pb and Cd analyses. PS = Probe Sample
▽	WATER LEVEL AFTER REMOVAL: None	
▨	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▨	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 28

PROJECT:

SURFACE ELEVATION:

101.6

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

4/10/01

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
3"± asphaltic concrete over 6"± Brown Sand and Gravel (Fill)-Moist		1-PS						BDL	
Brown-Black Silty Clay to Clayey Silt, little Organic Matter and fine to coarse Sand and Gravel (Fill)-Moist		2-PS						BDL	(a)
Brown Sandy Gravel to Gravelly Sand, some concrete fragments (Fill)-Very Moist	5	3-PS						BDL	(a)
		4-PS						BDL	

Boring terminated at 8 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal.

WATER OBSERVATION DATA

REMARKS

▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PVOC, PCB, PAH, Pb and Cd analyses.
▽	WATER LEVEL AFTER REMOVAL: None	
▬	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
▬	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

P - 29

PROJECT:

SURFACE ELEVATION:

100.0

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

4/10/01

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Tom Bauman

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brown Silty Clay to Clayey Silt; some fine to coarse Sand, Gravel, brick, asphaltic concrete, slag and ash (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	
Brown-Gray Sandy Gravel to Gravely Sand (petroleum odor) (Fill)-Wet	5	3-PS						55	
		4-PS						45	
Brown-Gray Silty Clay, some fine to coarse Sand, trace to little Gravel-Very Moist		5-PS						BDL	
	10	6-PS						BDL	(a)
Gray Clayey Silt to Silty Clay, some fine to coarse Sand, trace Gravel-Very Moist		7-PS						BDL	
									(a)

Boring terminated at 14 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

∇	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PVOC, PCB, PAH, Pb and Cd analyses. PS = Probe Sample
▼	WATER LEVEL AFTER REMOVAL: None	
—	CAVE DEPTH AFTER REMOVAL: None	
▼	WATER LEVEL AFTER HOURS:	
—	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: GP-1	PROJECT: Vacant Property
SURFACE ELEVATION: 99.7	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 1/25/05	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
3"± Asphalt		1-PS						BDL	
Brownish Black Clayey Silt, fine to medium Gravel, Glass and Concrete Fill - Frozen at 2'		2-PS						BDL	(a)
Brown Clayey Silt, trace fine Sand (Possible Fill)-Moist									
Boring Terminated at 4 Feet									

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PAH and lead analysis. PS=Probe Sample
▽	WATER LEVEL AFTER REMOVAL: None	
---	CAVE DEPTH AFTER REMOVAL: None	
▽	WATER LEVEL AFTER HOURS:	
---	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-2

PROJECT:

Vacant Property

SURFACE ELEVATION:

99.6

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
3"± Asphalt		1-PS						BDL	
Black Silty fine to medium Sand and Gravel, possible Foundary Cinders (Fill)-Frozen		2-PS						BDL	(a)
Blackish Gray Silty Clay, trace fine Sand and Gravel (Fill)-Moist									
Brown Silty Clay, trace fine Sand-Moist									
Boring Terminated at 4 Feet									

PID: Results of volatile vapor scan conducted
on collected soil samples utilizing a
Photoionization Detector (PID) equipped with a
10.6 eV lamp calibrated to a Benzene standard.
Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular
bentonite following probe removal. NOTE: Test
boring backfilled with granular bentonite
following probe removal. See Borehole
Abandonment Form (WDNR Form No. 3300-5B)
for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

☒ WATER ENCOUNTERED DURING DRILLING: None ☒ WATER LEVEL AFTER REMOVAL: None ☒ CAVE DEPTH AFTER REMOVAL: None ☒ WATER LEVEL AFTER HOURS: ☒ CAVE DEPTH AFTER HOURS:	(a) Soil sample submitted for PAH and lead analysis. PS=Probe Sample
---	---

SUBSURFACE EXPLORATION 1E9907009.GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: GP-3	PROJECT: Vacant Property
SURFACE ELEVATION: 97.4	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 1/25/05	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brown Silty Clay, trace fine to medium Sand and Gravel (Fill)-Frozen to 2 feet		1-PS						BDL	
		2-PS						BDL	(a)

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 1.06 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for lead analysis. PS=Probe Sample
	WATER LEVEL AFTER REMOVAL: None	
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION 1E9907009 GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-4

PROJECT:

Vacant Property

SURFACE ELEVATION:

98.7

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brown Clayey Silt, fine to coarse Sand and Gravel (Fill)-Frost to 2' then Moist		1-PS						BDL	
Brown Clay, trace fine Sand-Moist		2-PS						BDL	(a)

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units.
BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

	WATER ENCOUNTERED DURING DRILLING: None
	WATER LEVEL AFTER REMOVAL: None
	CAVE DEPTH AFTER REMOVAL: None
	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

(a) Soil sample submitted for PAH analysis.

PS=Probe Sample

SUBSURFACE EXPLORATION 1E9907009 GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: GP-5	PROJECT: Vacant Property
SURFACE ELEVATION: 98.8	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 1/25/05	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brownish Black Clayey Silt, fine to coarse Sand and Gravel (Fill)-Frozen		1-PS						BDL	
Blackish Brown Clay, trace fine Sand-Moist		2-PS						BDL	(a)

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PAH analysis. PS=Probe Sample
	WATER LEVEL AFTER REMOVAL: None	
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION 1E9907009 GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-6

PROJECT:

Vacant Property

SURFACE ELEVATION:

98.4

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brownish Black Clayey Silt, fine to coarse Sand and Gravel (Fill)-Frozen		1-PS						BDL	
Blackish Brown Clay, trace fine Sand-Moist		2-PS						BDL	(a)

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

WATER ENCOUNTERED DURING DRILLING: None

(a) Soil sample submitted for PAH analysis.

WATER LEVEL AFTER REMOVAL: None

PS=Probe Sample

CAVE DEPTH AFTER REMOVAL: None

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

SUBSURFACE EXPLORATION 1E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: GP-7	PROJECT: Vacant Property
SURFACE ELEVATION: 98.6	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 1/25/05	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brownish Black Clayey Silt, fine to coarse Sand and Gravel (Fill)-Frozen		1-PS						BDL	
Brownish Black Silty Clay (Fill)-Moist		2-PS						BDL	(a)
Brown Claye, trace fine Sand-Moist									

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
☐	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PAH analysis. PS=Probe Sample
☐	WATER LEVEL AFTER REMOVAL: None	
☐	CAVE DEPTH AFTER REMOVAL: None	
☐	WATER LEVEL AFTER HOURS:	
☐	CAVE DEPTH AFTER HOURS:	

SUBSURFACE EXPLORATION 1E9907009.GPJ GIL CORP.GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-8

PROJECT:

Vacant Property

SURFACE ELEVATION:

98.0

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brownish Black Clayey Silt, fine to coarse Sand and Gravel (Fill)-Frozen		1-PS						BDL	
Brownish Black Clay, trace Silt, trace fine Sand and Gravel (Roots)-Moist		2-PS						BDL	(a)

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

	WATER ENCOUNTERED DURING DRILLING: None
	WATER LEVEL AFTER REMOVAL: None
	CAVE DEPTH AFTER REMOVAL: None
	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

(a) Soil sample submitted for PAH analysis.
PS=Probe Sample

SUBSURFACE EXPLORATION 1E9907009 GPJ GIL CORP GDT 7/29/05

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-9

PROJECT:

Vacant Property

SURFACE ELEVATION:

97.9

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brownish Black Clayey Silt, fine to coarse Sand and Gravel (Fill and Brick Fragments)-Frozen		1-PS						BDL	
Brown fine to medium Sand, trace fine Gravel-Moist		2-PS						BDL	(a)

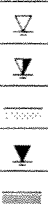
Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS



WATER ENCOUNTERED DURING DRILLING: None

WATER LEVEL AFTER REMOVAL: None

CAVE DEPTH AFTER REMOVAL: None

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

(a) Soil sample submitted for PAH analysis.

PS=Probe Sample

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

SUBSURFACE EXPLORATION 1E9907009.GPJ GIL CORP.GDT 7/29/05

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-10

PROJECT:

Vacant Property

SURFACE ELEVATION:

97.7

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
10"± Black Clayey Silt Topsoil		1-PS						BDL	
Brown Clayey Silt, fine to coarse Sand and Gravel (Fill)-Frozen		2-PS						BDL	(a)
Brown Clayey Sand and fine to coarse Sand and Gravel (Fill)-Moist									
Brown Silty Clay, trace fine to medium Sand and Gravel-Moist									
Boring Terminated at 4 Feet									

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA		REMARKS
	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PAH analysis.
	WATER LEVEL AFTER REMOVAL: None	PS=Probe Sample
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-11

PROJECT:

Vacant Property

SURFACE ELEVATION:

97.5

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brown Clayey Silt and fine to coarse Sand and Gravel, and Glass Fragments(Fill)-Frozen		1-PS						BDL	
Brown Clayey Silt and fine to coarse Sand and Gravel (Fill)-Moist		2-PS						BDL	(a)

Brown Clay, some fine Sand-Moist
Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS



WATER ENCOUNTERED DURING DRILLING: None
WATER LEVEL AFTER REMOVAL: None
CAVE DEPTH AFTER REMOVAL: None
WATER LEVEL AFTER HOURS:
CAVE DEPTH AFTER HOURS:

(a) Soil sample submitted for PAH analysis.
PS=Probe Sample

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION: GP-12	PROJECT: Vacant Property
SURFACE ELEVATION: 97.5	PROJECT LOCATION: 2636 West State Street
COMPLETION DATE: 1/25/05	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brownish Black Clayey Silt, trace fine Sand and Gravel (Fill)-Frozen		1-PS						BDL	
		2-PS						BDL	(a)

Boring Terminated at 3.5 Feet due to Refusal on Concrete Rubble

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

SUBSURFACE EXPLORATION 1E9907009 GPJ GIL CORP. GDT 7/29/05

WATER OBSERVATION DATA		REMARKS
	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for PAH analysis. PS=Probe Sample
	WATER LEVEL AFTER REMOVAL: None	
	CAVE DEPTH AFTER REMOVAL: None	
	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-13

PROJECT:

Vacant Property

SURFACE ELEVATION:

96.9

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brown Clayey Silt, trace fine to medium Sand and Gravel (Fill)-Frozen		1-PS						BDL	
Brown Silty Clay, little fine Sand-Moist		2-PS						BDL	(a)

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

	WATER ENCOUNTERED DURING DRILLING: None WATER LEVEL AFTER REMOVAL: None CAVE DEPTH AFTER REMOVAL: None WATER LEVEL AFTER HOURS: CAVE DEPTH AFTER HOURS:	(a) Soil sample submitted for PAH analysis. PS=Probe Sample
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Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

SUBSURFACE EXPLORATION 1E9907009 GPJ GIL CORP.GDT 7/29/05

RECORD OF SUBSURFACE EXPLORATION



**GILES ENGINEERING
ASSOCIATES, INC.**

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

BORING NO. & LOCATION:

GP-14

PROJECT:

Vacant Property

SURFACE ELEVATION:

97.0

PROJECT LOCATION:

2636 West State Street

COMPLETION DATE:

1/25/05

Milwaukee, Wisconsin

FIELD REPRESENTATIVE:

Greg Vogel

GILES PROJECT NUMBER: 1E-9907009

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q _u (tsf)	q _p (tsf)	q _s (tsf)	w (%)	PID	NOTES
Brown Clayey Silt and fine to coarse Sand and Gravel (Fill)-Frozen		1-PS						BDL	
Brown Silty fine to medium Sand and Gravel, trace Clay-Moist		2-PS						BDL	(a)

Boring Terminated at 4 Feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA

REMARKS

WATER ENCOUNTERED DURING DRILLING: None

(a) Soil sample submitted for PAH analysis.

WATER LEVEL AFTER REMOVAL: None

PS=Probe Sample

CAVE DEPTH AFTER REMOVAL: None

WATER LEVEL AFTER HOURS:

CAVE DEPTH AFTER HOURS:

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Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole Location <u>P1</u> County <u>Milwaukee</u> (If applicable) <u>SW 1/4 of NW 1/4 of Sec. 30 : T. 7 N. R. 21</u> Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>2636 W. State Street.</u> City, Village <u>Milwaukee</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u> Street or Route <u>809 N. Broadway, 2nd Floor.</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) _____ WI Unique Well No. _____ Reason For Abandonment <u>Soil Boring Completed</u> Date of Abandonment <u>10/7/99</u>
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(3) WELL/DRILLHOLE/BOREHOLE INFORMATION Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11/14/00 10/7/99</u> ☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Beard Probe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) <u>28</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____ Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		(4) Depth to Water (Feet) <u>10</u> Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No <u>↓</u>
(5) Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>		
(6) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite ☐ Bentonite Pellets ☒ Granular Bentonite		

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealing or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	28	1.5 bags	

Comments:

Name of Person or Firm Doing Sealing Work <u>Olles Engineering Associates</u>	
Signature of Person Doing Work <u>Dirk Reaman</u>	Date Signed <u>10/7/99</u>
Street or Route <u>SW 22350 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

Abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>P2</u>	County <u>Milwaukee</u>	Original Well Owner (If Known)	
(If applicable) SW 1/4 of NW 1/4 of Sec. <u>30</u> : T. <u>7</u> N. R. <u>21</u> E. <u>W</u>		Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u>	
Gov't Lot	Grid Number	Street or Route <u>809 N. Broadway, 2nd Floor</u>	
Grid Location ft. ☐ N. ☐ S. ☐ E. ☐ W.		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Civil Town Name <u>Milwaukee</u>		Facility Well No. and/or Name (If Applicable) / WI Unique Well No. _____	
Street Address of Well <u>2636 W. State Street</u>		Reason For Abandonment <u>Solid Boring Completed</u>	
City, Village <u>Milwaukee</u>		Date of Abandonment <u>10/7/99</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>8</u>	
Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11/4/00 10/7/99</u>		☐ Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable ☐ Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable ☐ Screen Removed? ☐ Yes ☐ No ☒ Not Applicable ☐ Casing Left in Place? ☐ Yes ☐ No If No, Explain _____	
☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole	Construction Report Available? ☐ Yes ☒ No	Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Recapped? ☐ Yes ☐ No <u>↓</u>	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Grout Pipe</u>		(5) Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		(6) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite ☐ Bentonite Pellets ☒ Granular Bentonite	
Total Well Depth (ft.) <u>116</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____ Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		For monitoring wells and monitoring well boreholes only ☐ Bentonite Pellets ☒ Granular Bentonite	

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealed or Volume	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>116</u>	<u>3 bags</u>	

Comments: _____

Name of Person or Firm Doing Sealing Work <u>Diles Engineering Associates</u>		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work <u>Dale Reaman</u>	Date Signed <u>10/7/99</u>	Date Received/Inspected	District/County
Street or Route <u>W22350 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>	Reviewer/Inspector	
City, State, Zip Code		Follow-up Necessary	

Abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>P3</u>	County <u>Milwaukee</u>	Original Well Owner (If Known)	
(If applicable) SW 1/4 of NW 1/4 of Sec. <u>30</u> : T. <u>7</u> N; R. <u>21</u> E		Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u>	
Gov't Lot	Grid Number	Street or Route <u>809 N. Broadway, 2nd Floor</u>	
Grid Location ft. ☐ N. ☐ S. ☐ E. ☐ W.		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Civil Town Name <u>Milwaukee</u>		Facility well No. and/or Name (If Applicable) / Well Unique Well No.	
Street Address of Well <u>2636 W. State Street</u>		Reason For Abandonment <u>Soil Boring Completed</u>	
City, Village <u>Milwaukee</u>		Date of Abandonment <u>10/27/99</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11/17/99</u>	Construction Report Available? ☐ Yes ☒ No	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____	
☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole	Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Geoprobe</u>	Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No <u>↓</u>	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock	Total Well Depth (ft.) <u>116</u> Casing Diameter (ins.) _____ (From ground surface)	(5) Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>	
Casing Depth (ft.) _____	Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet	(6) Sealing Materials ☐ Neat Cement Grout ☐ Bentonite Pellets ☐ Sand-Cement (Concrete) Grout ☒ Granular Bentonite ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite	

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>116</u>	<u>3/4 bag</u>	

Comments: _____

Name of Person or Firm Doing Sealing Work <u>Ellis Engineering Associates</u>		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work <u>David Resman</u>	Date Signed <u>11/2 10/17/99</u>	Date Received/Inspected	District/County
Street or Route <u>W22350 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>	Reviewer/Inspector	
City, State, Zip Code		Follow-up Necessary	

If abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME
Well/Drillhole/Borehole Location <u>P4</u>	County <u>Milwaukee</u>	Original Well Owner (If Known)
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u>
Grid Location ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.		Street or Route <u>809 N. Broadway 2nd Floor</u>
Civil Town Name <u>Milwaukee</u>		City, State, Zip Code <u>Milwaukee, WI 53202</u>
Street Address of Well <u>2636 W. State Street</u>		Facility well No. and/or Name (If Applicable) WI Unique Well No. _____
City, Village <u>Milwaukee</u>		Reason For Abandonment <u>Soil Boring Completed</u>
		Date of Abandonment <u>10/7/99</u>

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>10</u>
Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11/1/00 10/7/99</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole		Lin(er)s Removed? ☐ Yes ☐ No ☒ Not Applicable
Construction Report Available? ☐ Yes ☒ No		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Geopipe</u>		Casing Left in Place? ☐ Yes ☐ No
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		If No, Explain _____
Total Well Depth (ft.) <u>116</u> Casing Diameter (ins.) _____		Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u>
(From ground surface)		Did Sealing Material Rise to Surface? ☐ Yes ☐ No
Casing Depth (ft.) _____		Did Material Settle After 24 Hours? ☐ Yes ☐ No
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		If Yes, Was Hole Reopened? ☐ Yes ☐ No <u>↓</u>
If Yes, To What Depth? _____ Feet		(5) Required Method of Placing Sealing Material
		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
		☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only
		☐ Neat Cement Grout ☐ Bentonite Pellets
		☐ Sand-Cement (Concrete) Grout ☒ Granular Bentonite
		☐ Concrete
		☐ Clay-Sand Slurry
		☐ Bentonite-Sand Slurry
		☐ Chipped Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealed or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	116	3/4 bag	

Comments: _____

Name of Person or Firm Doing Sealing Work <u>Olles Engineering Associates</u>	
Signature of Person Doing Work <u>David Reaman</u>	Date Signed <u>10/7/99</u>
Street or Route <u>SW 22350 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>
City, State, Zip Code _____	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	
Follow-up Necessary _____	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>SW 1/4 of NW 1/4 of Sec. 30 : T. 7 N. R. 21</u> (If applicable)	County <u>Milwaukee</u>	Original Well Owner (If Known)	
Gov't Lot	Grid Number	Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u>	
Grid Location ft. ☐ N. ☐ S. ☐ E. ☐ W.		Street or Route <u>809 N. Broadway, 2nd Floor</u>	
Civil Town Name <u>Milwaukee</u>		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Street Address of Well <u>2636 W. State Street</u>		Facility Well No. and/or Name (If Applicable) / WI Unique Well No. _____	
City, Village <u>Milwaukee</u>		Reason For Abandonment <u>Soil Boring Completed</u>	
		Date of Abandonment <u>10/7/99</u>	

3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
Original Well/Drillhole/Borehole Construction Completed On (Date) <u>10/7/99</u>		☐ Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable ☐ Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable ☐ Screen Removed? ☐ Yes ☐ No ☒ Not Applicable ☐ Casing Left in Place? ☐ Yes ☐ No If No, Explain _____	
☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole	Construction Report Available? ☐ Yes ☒ No	Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No <u>↓</u>	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Sandpoint</u>		(5) Required Method of Placing Sealing Material	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>	
Total Well Depth (ft.) <u>16</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____		(6) Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Bentonite Pellets ☐ Clay-Sand Slurry ☒ Granular Bentonite ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite	

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealed or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	16	3/4 bag	

Comments:		(10) FOR DNR OR COUNTY USE ONLY	
Name of Person or Firm Doing Sealing Work <u>Ellis Engineering Associates</u>		Date Received/Inspected	District/County
Signature of Person Doing Work <u>Dan Reaman</u>	Date Signed <u>10/7/99</u>	Reviewer/Inspector	
Street or Route <u>W22350 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>	Follow-up Necessary	
City, State, Zip Code			

If abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>P6</u>	County <u>Milwaukee</u>	Original Well Owner (If Known)	
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u>	
Grid Location ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.		Street or Route <u>809 N. Broadway, 2nd Floor</u>	
Civil Town Name <u>Milwaukee</u>		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Street Address of Well <u>2636 W. State Street</u>		Facility Well No. and/or Name (If Applicable) / WI Unique Well No. _____	
City, Village <u>Milwaukee</u>		Reason For Abandonment <u>Soil Boring Completed</u>	
		Date of Abandonment <u>10/7/99</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>16</u>	
Original Well/Drillhole/Borehole Construction Completed On (Date) <u>10/7/99</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____	
☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole	Construction Report Available? ☐ Yes ☒ No	Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retapped? ☐ Yes ☐ No <u>↓</u>	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Geopipe</u>		(5) Required Method of Placing Sealing Material	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>	
Total Well Depth (ft.) <u>16</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____		(6) Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		For monitoring wells and monitoring well boreholes only ☐ Near Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Bentonite Pellets ☐ Clay-Sand Slurry ☒ Granular Bentonite ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite	

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	16	1/2 bag	

Comments: _____

Name of Person or Firm Doing Sealing Work <u>Oliver Engineering Associates</u>	
Signature of Person Doing Work <u>Dick Reardon</u>	Date Signed <u>10/7/99</u>
Street or Route <u>2636 W. State St.</u>	Telephone Number <u>(414) 544-0118</u>
City, State, Zip Code _____	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

Abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>D7</u>	County <u>Milwaukee</u>	Original Well Owner (If Known)	
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u>	
Grid Location ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____		Street or Route <u>509 N. Broadway, 2nd Floor</u>	
Civil Town Name <u>Milwaukee</u>		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Street Address of Well <u>2636 W. State Street</u>		Facility Well No. and/or Name (If Applicable) WI Unique Well No. _____	
City, Village <u>Milwaukee</u>		Reason For Abandonment <u>Soil Boring Completed</u>	
		Date of Abandonment <u>10/7/99</u>	

3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>116</u>	
Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11/1/00 - 10/7/99</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____	
☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole	Construction Report Available? ☐ Yes ☒ No	Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No <u>↓</u>	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Grout Pile</u>		(5) Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		(6) Sealing Materials	
Total Well Depth (ft.) <u>116</u> Casing Diameter (ins.) _____ (From ground surface)		☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite	
Casing Depth (ft.) _____		For monitoring wells and monitoring well boreholes only ☐ Bentonite Pellets ☒ Granular Bentonite	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet			

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealing or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	116	1/2 bag	

Comments: _____

Name of Person or Firm Doing Sealing Work <u>Ellis Engineering Associates</u>	
Signature of Person Doing Work <u>Dan Reardon</u>	Date Signed <u>11/2 10/7/99</u>
Street or Route <u>SW 22750 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>
City, State, Zip Code _____	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	
Follow-up Necessary _____	

If abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>P8</u>	County <u>milwaukee</u>	Original Well Owner (If Known)	
(If applicable) SW 1/4 of NW 1/4 of Sec. <u>30</u> : T. <u>7</u> N. R. <u>21</u>		Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u>	
Gov't Lot	Grid Number	Street or Route <u>809 N. Broadway, 2nd Floor</u>	
Grid Location ft. ☐ N. ☐ S. ☐ E. ☐ W.		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Civil Town Name <u>Milwaukee</u>		Family Well No. and/or Name (If Applicable) / WI Unique Well No. _____	
Street Address of Well <u>2636 W. State Street</u>		Reason For Abandonment <u>Soil Boring Completed</u>	
City, Village <u>Milwaukee</u>		Date of Abandonment <u>10/7/99</u>	

3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11/11/00</u> <u>10/7/99</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____	
☐ Monitoring Well ☐ Water Well ☐ Drillhole ☒ Borehole	Construction Report Available? ☐ Yes ☒ No	Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No <u>↓</u>	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Grout Probe</u>		(5) Required Method of Placing Sealing Material	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>	
Total Well Depth (ft.) <u>20</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____		(6) Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Bentonite Pellets ☐ Clay-Sand Slurry ☒ Granular Bentonite ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite	

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>20</u>	<u>1 bag</u>	

Comments: _____

Name of Person or Firm Doing Sealing Work <u>Ellis Engineering Associates</u>		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work <u>Dan Reiman</u>	Date Signed <u>11/2 10/7/99</u>	Date Received/Inspected	District/County
Street or Route <u>22350 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>	Reviewer/Inspector	
City, State, Zip Code		Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole Location <u>D9</u> County <u>Milwaukee</u> (If applicable) Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>2636 W. State Street.</u> City, Village <u>Milwaukee</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>Redevelopment Authority - City of Milwaukee</u> Street or Route <u>809 N. Broadway, 2nd Floor</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) _____ WI Unique Well No. _____ Reason For Abandonment <u>Soil Boring Completed</u> Date of Abandonment <u>10/7/99</u>
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WELL/DRILLHOLE/BOREHOLE INFORMATION Original Well/Drillhole/Borehole Construction Completed On (Date) <u>11/11/00 10/7/99</u> ☐ Monitoring Well ☐ Construction Report Available? ☐ Water Well ☐ Yes ☐ No ☐ Drillhole ☐ Borehole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Geoprobe</u> Formation Type: ☐ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____ Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) <u>10</u> Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No <u>N/A</u> Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Recapped? ☐ Yes ☐ No <u>↓</u>
(5) Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☒ Other (Explain) <u>Gravity</u>	
(6) Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Pellets ☐ Sand-Cement (Concrete) Grout ☒ Granular Bentonite ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☐ Chipped Bentonite	

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	24	1 bag	

Comments: _____

Name of Person or Firm Doing Sealing Work <u>Olles Engineering Associates</u>	
Signature of Person Doing Work <u>Dan Reaman</u>	Date Signed <u>10/7/99</u>
Street or Route <u>SW 22350 Johnson Rd</u>	Telephone Number <u>(414) 544-0118</u>
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole Location <u>P10 Milwaukee</u> County <u>Milwaukee</u> (If applicable) <u>SW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21</u> ☒ E ☒ W Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>2636 W. State St</u> City, Village <u>Milwaukee, WI</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>City of Milwaukee Redevelopment Authority</u> Street or Route <u>809 N Broadway, 2nd Floor</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) <u>P-10</u> WI Unique Well No. _____ Reason For Abandonment <u>Completed Geo-Probe</u> Date of Abandonment <u>1-14-00</u>	
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WELL/DRILLHOLE/BOREHOLE INFORMATION (3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1-14-00</u> ☐ Monitoring Well ☐ Water Well ☒ Drillhole ☐ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ (From ground surface) Casing Diameter (in.) _____ Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2 1/2"</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		(4) Depth to Water (Feet) <u>8</u> Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No	
(5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____		(6) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite For monitoring wells and monitoring well boreholes only ☐ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>12</u>	<u>0.5</u>		

(8) Comments: _____		(9) Name of Person or Firm Doing Sealing Work <u>Gilrs Engineering Associates, Inc.</u> Signature of Person Doing Work <u>[Signature]</u> Date Signed <u>1-21-00</u> Street or Route <u>NW 22350 Johnson Rd</u> Telephone Number <u>262 544 0118</u> City, State, Zip Code <u>Waukegan, WI 53186</u>	
(10) FOR DNR OR COUNTY USE ONLY Date Received/Inspected _____ District/County _____ Reviewer/Inspector _____ ☐ Complying Work ☐ Noncomplying Work Follow-up Necessary _____		_____	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>SW 1/4 of NW 1/4 of Sec. 30; T. 7 N; R. 21 E</u>	County <u>Milwaukee</u>	Original Well Owner (If Known)	
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <u>City of Milwaukee - Redevelopment Authority</u>	
		Street or Route <u>809 N Broadway, 2nd Floor</u>	
Grid Location ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Civil Town Name <u>Milwaukee</u>		Facility Well No. and/or Name (If Applicable) <u>P-12</u>	WI Unique Well No. _____
Street Address of Well <u>2636 W. State St</u>		Reason For Abandonment <u>Completed Geo-Probe</u>	
City, Village <u>Milwaukee, WI</u>		Date of Abandonment <u>1-14-00</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>8</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>1-14-00</u>		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____	
		Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☐ Monitoring Well ☐ Water Well ☒ Drillhole ☐ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u>		(5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2"</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		(6) Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Pellets ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite-Cement Grout ☐ Clay-Sand Slurry ☒ Chipped Bentonite ☐ Bentonite-Sand Slurry	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>16</u>	<u>0.5</u>		

(8) Comments: _____		(10) FOR DNR OR COUNTY USE ONLY	
(9) Name of Person or Firm Doing Sealing Work <u>Giles Engineering Associates, Inc.</u>		Date Received/Inspected _____ District/County _____	
Signature of Person Doing Work <u>[Signature]</u>	Date Signed <u>1-21-00</u>	Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Street or Route <u>Waukegan, WI 53186</u>	Telephone Number <u>262 544 0118</u>	Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole Location <u>P12 Milwaukee</u> County <u>Milwaukee</u> SW 1/4 of NW 1/4 of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>21</u> E (If applicable) Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>263 W. State St</u> City, Village <u>Milwaukee, WI</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>City of Milwaukee Redevelopment Authority</u> Street or Route <u>809 N Broadway, 2nd Floor</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) <u>P-12</u> WI Unique Well No. _____ Reason For Abandonment <u>Completed Geo-Probe</u> Date of Abandonment <u>1-14-00</u>
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WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1-14-00</u> ☐ Monitoring Well ☐ Water Well ☒ Drillhole ☐ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2"</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) <u>0</u> Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No (5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____ (6) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite For monitoring wells and monitoring well boreholes only ☐ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite - Cement Grout
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(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>16</u>	<u>0.5</u>		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Gilrs Engineering Associates, Inc.
 Signature of Person Doing Work [Signature] Date Signed 1-21-00
 Street or Route NW 22350 Johnson Rd Telephone Number 662 544 0118
 City, State, Zip Code Waukegan, WI 53186

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary _____	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole Location <u>P13 Milwaukee</u> County <u>Milwaukee</u> (If applicable) <u>SW 1/4 of NW 1/4 of Sec. 30; T. 7 N; R. 21 E</u> Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>2636 W. State St</u> City, Village <u>Milwaukee, WI</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>City of Milwaukee Redevelopment Authority</u> Street or Route <u>809 N Broadway, 2nd Floor</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) <u>P-13</u> WI Unique Well No. _____ Reason For Abandonment <u>Completed Geo-Probe</u> Date of Abandonment <u>1-14-00</u>	
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WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1-14-00</u> ☐ Monitoring Well ☐ Water Well ☒ Drillhole ☐ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2"</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		(4) Depth to Water (Feet) _____ Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No	
(5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____		(6) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite For monitoring wells and monitoring well boreholes only ☐ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>20</u>	<u>0.5</u>		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Gilrs Engineering Associates, Inc.
 Signature of Person Doing Work [Signature] Date Signed 1-21-00
 Street or Route NW 22350 Johnson Rd Telephone Number 262 544 0118
 City, State, Zip Code Waukegan, WI 53186

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary _____	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>SW 1/4 of NW 1/4 of Sec. 30; T. 7 N; R. 21 W</u>	County <u>Milwaukee</u>	Original Well Owner (If Known)	
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <u>City of Milwaukee Redevelopment Authority</u>	
Grid Location ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.		Street or Route <u>809 N Broadway, 2nd Floor</u>	
Civil Town Name <u>Milwaukee</u>		City, State, Zip Code <u>Milwaukee, WI 53202</u>	
Street Address of Well <u>2636 W. State St</u>		Facility Well No. and/or Name (If Applicable) <u>A-14</u>	
City, Village <u>Milwaukee, WI</u>		WI Unique Well No. _____	
Reason For Abandonment <u>Completed Geo-Probe</u>		Date of Abandonment <u>1-14-00</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1-14-00</u>		(4) Depth to Water (Feet)	
☐ Monitoring Well	Construction Report Available? ☐ Yes ☒ No	Pump & Piping Removed?	☐ Yes ☐ No ☒ Not Applicable
☐ Water Well		Liner(s) Removed?	☐ Yes ☐ No ☒ Not Applicable
☒ Drillhole		Screen Removed?	☐ Yes ☐ No ☒ Not Applicable
☐ Borehole		Casing Left in Place?	☐ Yes ☐ No
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u>		If No, Explain _____	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
Total Well Depth (ft.) _____	Casing Diameter (in.) _____	Did Sealing Material Rise to Surface? ☐ Yes ☐ No	
(From ground surface) _____	Casing Depth (ft.) _____	Did Material Settle After 24 Hours? ☐ Yes ☐ No	
Lower Drillhole Diameter (in.) <u>2 1/2"</u>		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet		(5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____	
		(6) Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite	
		For monitoring wells and monitoring well boreholes only: ☐ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	Surface	<u>5.5</u>	<u>0.5</u>	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Giles Engineering Associates, Inc.</u>	
Signature of Person Doing Work <u>[Signature]</u>	Date Signed <u>1-21-00</u>
Street or Route <u>N 8422350 Johnson Rd</u>	Telephone Number <u>262 544 0118</u>
City, State, Zip Code <u>Waukegan, WI 53186</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole <u>P15</u> County <u>Milwaukee</u> Location <u>Milwaukee</u> <u>SW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21</u> ☒ E ☐ W (If applicable) Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>2636 W. State St</u> City, Village <u>Milwaukee, WI</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>City of Milwaukee Redevelopment Authority</u> Street or Route <u>809 N Broadway, 2nd Floor</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) <u>P-15</u> WI Unique Well No. _____ Reason For Abandonment <u>Completed Geo-Probe</u> Date of Abandonment <u>1-14-00</u>
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WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1-14-00</u> ☐ Monitoring Well ☐ Water Well ☒ Drillhole ☐ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2"</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) <u>8</u> Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No
(5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____	
(6) Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite ☐ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards (Sacks Sealant or Volume) (Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>16</u>	<u>0.5</u>	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Gilrs Engineering Associates, Inc.
 Signature of Person Doing Work _____ Date Signed 1-21-00
 Street or Route NW 22350 Johnson Rd Telephone Number 262 544 0118
 City, State, Zip Code Waukegan, WI 53186

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary _____	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole <u>P16</u> Location <u>Milwaukee</u> County <u>Milwaukee</u> <u>SW 1/4 of NW 1/4 of Sec. 30; T. 7 N; R. 21</u> (If applicable) Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>2636 W. State St</u> City, Village <u>Milwaukee, WI</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>City of Milwaukee Redevelopment Authority</u> Street or Route <u>809 N Broadway, 2nd Floor</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) <u>P-16</u> WI Unique Well No. _____ Reason For Abandonment <u>Completed Geo-Probe</u> Date of Abandonment <u>1-14-00</u>
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WELL/DRILLHOLE/BOREHOLE INFORMATION (3) Original Well/Drillhole/Borehole Construction Completed On _____ (Date) <u>1-14-00</u> ☐ Monitoring Well ☐ Water Well ☒ Drillhole ☐ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ (From ground surface) Casing Diameter (in.) _____ Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2"</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) _____ Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No (5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____ (6) Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite ☐ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite-Cement Grout
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(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One) Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>16</u>	<u>0.5</u>	

(8) Comments: _____ (9) Name of Person or Firm Doing Sealing Work <u>Gilrs Engineering Associates, Inc.</u> Signature of Person Doing Work _____ Date Signed <u>1-21-00</u> Street or Route <u>NW 22350 Johnson Rd</u> Telephone Number <u>262 544 0118</u> City, State, Zip Code <u>Waukegan, WI 53186</u>		(10) FOR DNR OR COUNTY USE ONLY <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Date Received/Inspected _____</td> <td style="width:50%;">District/County _____</td> </tr> <tr> <td>Reviewer/Inspector _____</td> <td>☐ Complying Work ☐ Noncomplying Work</td> </tr> <tr> <td>Follow-up Necessary _____</td> <td> </td> </tr> </table>	Date Received/Inspected _____	District/County _____	Reviewer/Inspector _____	☐ Complying Work ☐ Noncomplying Work	Follow-up Necessary _____	
Date Received/Inspected _____	District/County _____							
Reviewer/Inspector _____	☐ Complying Work ☐ Noncomplying Work							
Follow-up Necessary _____								

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole Location <u>P17 Milwaukee</u> County <u>Milwaukee</u> SW 1/4 of NW 1/4 of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>21</u> W (If applicable) Gov't Lot _____ Grid Number _____ Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Civil Town Name <u>Milwaukee</u> Street Address of Well <u>2636 W. State St</u> City, Village <u>Milwaukee, WI</u>		(2) FACILITY NAME Original Well Owner (If Known) _____ Present Well Owner <u>City of Milwaukee Redevelopment Authority</u> Street or Route <u>809 N Broadway, 2nd Floor</u> City, State, Zip Code <u>Milwaukee, WI 53202</u> Facility Well No. and/or Name (If Applicable) <u>P-17</u> WI Unique Well No. _____ Reason For Abandonment <u>Completed Geo-Probe</u> Date of Abandonment <u>1-14-00</u>
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WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>1-14-00</u> ☐ Monitoring Well ☐ Water Well ☒ Drillhole ☐ Borehole Construction Report Available? ☐ Yes ☒ No Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) <u>Geo-Probe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2 1/4"</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) <u>14</u> Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No (5) Required Method of Placing Sealing Material ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____ (6) Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☐ Bentonite-Sand Slurry ☒ Chipped Bentonite ☐ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite - Cement Grout
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(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>20</u>	<u>0.5</u>		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Giles Engineering Associates, Inc.
 Signature of Person Doing Work _____ Date Signed 1-21-00
 Street or Route NW 22350 Johnson Rd Telephone Number 262 544 0118
 City, State, Zip Code Waukegan, WI 53186

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary _____	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County MILWAUKEE	
Common Well Name <u>P-18</u> Gov't Lot (If applicable) _____		Facility Name Vacant Lot	License/Permit/Monitoring No. _____
NW <u>1/4</u> of NW <u>1/4</u> of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>22</u> ☒ E ☐ W		Street Address of Well 2636 West State Street	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		City, Village, or Town Milwaukee	
Local Grid Origin ☒ (estimated: ☐) or Well Location ☐		Present Well Owner City of Milwaukee	
Lat. _____ Long. _____ or _____		Original Owner _____	
St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone		Street Address or Route of Owner 809 N. Broadway	
Reason For Abandonment Sampling Completed		City, State, Zip Code Milwaukee WI 53202-	
WI Unique Well No. _____ of Replacement Well _____			

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL														
Original Construction Date <u>12/3/00</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>GeoProbe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity <table style="width:100%;"> <tr> <th style="text-align: left;">Sealing Materials</th> <th style="text-align: left;">For monitoring wells and monitoring well boreholes only</th> </tr> <tr> <td>☐ Neat Cement Grout</td> <td>☒ Bentonite Chips</td> </tr> <tr> <td>☐ Sand-Cement (Concrete) Grout</td> <td>☐ Granular Bentonite</td> </tr> <tr> <td>☐ Concrete</td> <td>☐ Bentonite - Cement Grout</td> </tr> <tr> <td>☐ Clay-Sand Slurry (11 lb./gal. wt.)</td> <td>☐ Bentonite - Sand Slurry</td> </tr> <tr> <td>☐ Bentonite-Sand Slurry " "</td> <td></td> </tr> <tr> <td>☐ Bentonite Chips</td> <td></td> </tr> </table>	Sealing Materials	For monitoring wells and monitoring well boreholes only	☐ Neat Cement Grout	☒ Bentonite Chips	☐ Sand-Cement (Concrete) Grout	☐ Granular Bentonite	☐ Concrete	☐ Bentonite - Cement Grout	☐ Clay-Sand Slurry (11 lb./gal. wt.)	☐ Bentonite - Sand Slurry	☐ Bentonite-Sand Slurry " "		☐ Bentonite Chips	
Sealing Materials	For monitoring wells and monitoring well boreholes only														
☐ Neat Cement Grout	☒ Bentonite Chips														
☐ Sand-Cement (Concrete) Grout	☐ Granular Bentonite														
☐ Concrete	☐ Bentonite - Cement Grout														
☐ Clay-Sand Slurry (11 lb./gal. wt.)	☐ Bentonite - Sand Slurry														
☐ Bentonite-Sand Slurry " "															
☐ Bentonite Chips															

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 12/19/00	
Signature of Person Doing Work <i>Don Baum</i>		Date Signed 12/16/05	
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION			(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	Facility Name Vacant Lot	
Common Well Name <u>P-19</u> Gov't Lot (If applicable) <u>NW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>22</u> ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☒ (estimated: ☐) or Well Location ☐ Lat. _____ Long _____ or St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone			Facility ID License/Permit/Monitoring No.	
Reason For Abandonment Sampling Completed			Street Address of Well 2636 West State Street	
WI Unique Well No. of Replacement Well _____			City, Village, or Town Milwaukee	
			Present Well Owner City of Milwaukee	
			Original Owner	
			Street Address or Route of Owner 809 N. Broadway	
			City, State, Zip Code Milwaukee WI 53202-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>12/3/00</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>GeoProbe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☒ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 12/19/00	
Signature of Person Doing Work <u>Don Bann</u>		Date Signed 6/6/05	
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name <u>P-20</u> Gov't Lot (If applicable) <u>NW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>22</u> ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☒ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. ☐ S. ☐ C. ☐ N. Zone _____		Facility Name Vacant Lot Facility ID License/Permit/Monitoring No. Street Address of Well <u>2636 West State Street</u> City, Village, or Town <u>Milwaukee</u> Present Well Owner <u>City of Milwaukee</u> Original Owner Street Address or Route of Owner <u>809 N. Broadway</u> City, State, Zip Code <u>Milwaukee WI 53202-</u>	
Reason For Abandonment Sampling Completed		WI Unique Well No. of Replacement Well _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>12/3/00</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>GeoProbe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips For monitoring wells and monitoring well boreholes only ☒ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry	

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
	Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 12/19/00	
Signature of Person Doing Work <u>Don Baran</u>		Date Signed <u>6/6/05</u>	
Street and Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

FOR DNR OR COUNTY USE ONLY	
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Comments	

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name <u>P-21</u> Gov't Lot (If applicable) _____		Facility Name Vacant Lot	License/Permit/Monitoring No.
NW <u>1/4</u> of NW <u>1/4</u> of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>22</u> ☒ E ☐ W		Street Address of Well 2636 West State Street	
Local Grid Origin ☒ (estimated: ☐) or Well Location ☐		City, Village, or Town Milwaukee	
Lat. _____ Long. _____ or _____		Present Well Owner City of Milwaukee	Original Owner
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ ☐ Zone		Street Address or Route of Owner 809 N. Broadway	
Reason For Abandonment Sampling Completed		City, State, Zip Code Milwaukee WI 53202-	
WI Unique Well No. of Replacement Well _____			

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL														
Original Construction Date <u>12/3/00</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>GeoProbe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity <table style="width:100%;"> <tr> <th style="text-align: left;">Sealing Materials</th> <th style="text-align: left;">For monitoring wells and monitoring well boreholes only</th> </tr> <tr> <td>☐ Neat Cement Grout</td> <td>☒ Bentonite Chips</td> </tr> <tr> <td>☐ Sand-Cement (Concrete) Grout</td> <td>☐ Granular Bentonite</td> </tr> <tr> <td>☐ Concrete</td> <td>☐ Bentonite - Cement Grout</td> </tr> <tr> <td>☐ Clay-Sand Slurry (11 lb./gal. wt.)</td> <td>☐ Bentonite - Sand Slurry</td> </tr> <tr> <td>☐ Bentonite-Sand Slurry " "</td> <td></td> </tr> <tr> <td>☐ Bentonite Chips</td> <td></td> </tr> </table>	Sealing Materials	For monitoring wells and monitoring well boreholes only	☐ Neat Cement Grout	☒ Bentonite Chips	☐ Sand-Cement (Concrete) Grout	☐ Granular Bentonite	☐ Concrete	☐ Bentonite - Cement Grout	☐ Clay-Sand Slurry (11 lb./gal. wt.)	☐ Bentonite - Sand Slurry	☐ Bentonite-Sand Slurry " "		☐ Bentonite Chips	
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☐ Bentonite-Sand Slurry " "															
☐ Bentonite Chips															

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 12/19/00	
Signature of Person Doing Work <i>Don Bowen</i>		Date Signed 6/6/05	
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name <u>P-22</u> Gov't Lot (If applicable) <u>NW 1/4 of NW 1/4 of Sec. 30</u> ; T. <u>7</u> N; R. <u>22</u> ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☒ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or _____ St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		Facility Name <u>Vacant Lot</u>	
Reason For Abandonment <u>Sampling Completed</u>		Facility ID _____ License/Permit/Monitoring No. _____	
WI Unique Well No. of Replacement Well _____		Street Address of Well <u>2636 West State Street</u>	
		City, Village, or Town <u>Milwaukee</u>	
		Present Well Owner <u>City of Milwaukee</u>	
		Original Owner _____	
		Street Address or Route of Owner <u>809 N. Broadway</u>	
		City, State, Zip Code <u>Milwaukee WI 53202-</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>12/3/00</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>GeoProbe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		If a Well Construction Report is available, please attach. Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips For monitoring wells and monitoring well boreholes only ☒ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	5	0.25	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work <u>Giles Engineering Associates, Inc.</u>		Date of Abandonment <u>12/19/00</u>
Signature of Person Doing Work <u>Don Bauer</u>		Date Signed <u>6/6/05</u>
Street or Route <u>N8 W22350 Johnson Drive</u>		Telephone Number <u>(262) 544-0118</u>
City, State, Zip Code <u>Waukesha WI 53186-</u>		

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

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name P-23 Gov't Lot (If applicable)		Facility Name Vacant Lot	License/Permit/Monitoring No.
NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 22 ☒ E ☐ W		Street Address of Well 2636 West State Street	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		City, Village, or Town Milwaukee	
Local Grid Origin ☒ (estimated: ☐) or Well Location ☐		Present Well Owner City of Milwaukee	
Lat. _____ Long. _____ or _____		Original Owner	
St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone		Street Address or Route of Owner 809 N. Broadway	
Reason For Abandonment Sampling Completed		City, State, Zip Code Milwaukee WI 53202-	
WI Unique Well No. of Replacement Well _____			

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 12/3/00	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
☐ Monitoring Well	Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
☐ Water Well	Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
☒ Borehole / Drillhole	Casing Left in Place? ☐ Yes ☐ No
Construction Type:	Was Casing Cut Off Below Surface? ☐ Yes ☐ No
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug	Did Sealing Material Rise to Surface? ☐ Yes ☐ No
☒ Other (Specify) GeoProbe	Did Material Settle After 24 Hours? ☐ Yes ☐ No
Formation Type:	If Yes, Was Hole Retopped? ☐ Yes ☐ No
☒ Unconsolidated Formation ☐ Bedrock	Required Method of Placing Sealing Material
Total Well Depth (ft.) _____ Casing Diameter (in.) _____	☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
(From ground surface) Casing Depth (ft.) _____	☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity
Lower Drillhole Diameter (in.) _____	Sealing Materials
Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown	☐ Neat Cement Grout
If Yes, To What Depth? _____ Feet	☐ Sand-Cement (Concrete) Grout
Depth to Water (Feet) _____	☐ Concrete
	☐ Clay-Sand Slurry (11 lb./gal. wt.)
	☐ Bentonite-Sand Slurry " "
	☐ Bentonite Chips

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Giles Engineering Associates, Inc.		12/19/00	
Signature of Person Doing Work		Date Signed	
<i>Don Bawan</i>		12/16/05	
Street or Route		Telephone Number	
N8 W22350 Johnson Drive		(262) 544-0118	
City, State, Zip Code			
Waukesha WI 53186-			

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other _____					
(1) GENERAL INFORMATION			(2) FACILITY / OWNER INFORMATION		
WI Unique Well No. _____	DNR Well ID No. _____	County MILWAUKEE	Facility Name Vacant Lot		
Common Well Name <u>P-24</u> Gov't Lot (If applicable) _____			Facility ID _____	License/Permit/Monitoring No. _____	
NW <u>1/4</u> of NW <u>1/4</u> of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>22</u> ☒ E ☐ W			Street Address of Well 2636 West State Street		
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.			City, Village, or Town Milwaukee		
Local Grid Origin ☒ (estimated: ☐) or Well Location ☐			Present Well Owner City of Milwaukee		
Lat. _____ Long. _____ or _____			Original Owner _____		
St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone _____			Street Address or Route of Owner 809 N. Broadway		
Reason For Abandonment Sampling Completed			City, State, Zip Code Milwaukee WI 53202-		
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION			(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL		
Original Construction Date <u>12/3/00</u>			Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable		
☐ Monitoring Well			Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable		
☐ Water Well			Screen Removed? ☐ Yes ☐ No ☒ Not Applicable		
☒ Borehole / Drillhole			Casing Left in Place? ☐ Yes ☐ No		
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug			Was Casing Cut Off Below Surface? ☐ Yes ☐ No		
☒ Other (Specify) <u>GeoProbe</u>			Did Sealing Material Rise to Surface? ☐ Yes ☐ No		
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock			Did Material Settle After 24 Hours? ☐ Yes ☐ No		
Total Well Depth (ft.) _____ Casing Diameter (in.) _____			If Yes, Was Hole Retopped? ☐ Yes ☐ No		
(From ground surface) Casing Depth (ft.) _____			Required Method of Placing Sealing Material		
Lower Drillhole Diameter (in.) _____			☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped		
Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown			☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity		
If Yes, To What Depth? _____ Feet			Sealing Materials		
Depth to Water (Feet) _____			☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips		
			For monitoring wells and monitoring well boreholes only		
			☒ Bentonite Chips		
			☐ Granular Bentonite		
			☐ Bentonite - Cement Grout		
			☐ Bentonite - Sand Slurry		
(5) Material Used To Fill Well/Drillhole		From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips		Surface	8	0.3	
(6) Comments: _____					
(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.			Date of Abandonment 12/19/00		
Signature of Person Doing Work <i>Sam Benson</i>			Date Signed 6/6/05		
Street or Route N8 W22350 Johnson Drive			Telephone Number (262) 544-0118		
City, State, Zip Code Waukesha WI 53186-					

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

(1) GENERAL INFORMATION			(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	Facility Name Vacant Lot	
Common Well Name <u>P-25</u> Gov't Lot (If applicable) <u>NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 22</u> ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☒ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or _____ St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone _____			Facility ID _____ License/Permit/Monitoring No. _____	
Reason For Abandonment Sampling Completed			Street Address of Well 2636 West State Street	
WI Unique Well No. of Replacement Well _____			City, Village, or Town Milwaukee	
			Present Well Owner City of Milwaukee	
			Original Owner _____	
			Street Address or Route of Owner 809 N. Broadway	
			City, State, Zip Code Milwaukee WI 53202-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL														
Original Construction Date <u>12/3/00</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>GeoProbe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity <table style="width:100%;"> <tr> <th style="text-align: left;">Sealing Materials</th> <th style="text-align: left;">For monitoring wells and monitoring well boreholes only</th> </tr> <tr> <td>☐ Neat Cement Grout</td> <td>☒ Bentonite Chips</td> </tr> <tr> <td>☐ Sand-Cement (Concrete) Grout</td> <td>☐ Granular Bentonite</td> </tr> <tr> <td>☐ Concrete</td> <td>☐ Bentonite - Cement Grout</td> </tr> <tr> <td>☐ Clay-Sand Slurry (11 lb./gal. wt.)</td> <td>☐ Bentonite - Sand Slurry</td> </tr> <tr> <td>☐ Bentonite-Sand Slurry " "</td> <td></td> </tr> <tr> <td>☐ Bentonite Chips</td> <td></td> </tr> </table>	Sealing Materials	For monitoring wells and monitoring well boreholes only	☐ Neat Cement Grout	☒ Bentonite Chips	☐ Sand-Cement (Concrete) Grout	☐ Granular Bentonite	☐ Concrete	☐ Bentonite - Cement Grout	☐ Clay-Sand Slurry (11 lb./gal. wt.)	☐ Bentonite - Sand Slurry	☐ Bentonite-Sand Slurry " "		☐ Bentonite Chips	
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☐ Bentonite Chips															

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 12/19/00
Signature of Person Doing Work <i>Don Bova</i>	Date Signed 6/6/05	
Street or Route N8 W22350 Johnson Drive	Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name <u>P-26</u> Gov't Lot (If applicable) <u>NW 1/4 of NW 1/4 of Sec. 30</u> ; T. <u>7</u> N; R. <u>22</u> ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☒ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone		Facility Name Vacant Lot Facility ID License/Permit/Monitoring No. Street Address of Well 2636 West State Street City, Village, or Town Milwaukee Present Well Owner City of Milwaukee Original Owner Street Address or Route of Owner 809 N. Broadway City, State, Zip Code Milwaukee WI 53202-	
Reason For Abandonment Sampling Completed		WI Unique Well No. of Replacement Well _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date <u>4/10/01</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>GeoProbe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips For monitoring wells and monitoring well boreholes only ☒ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 4/10/01	
Signature of Person Doing Work <u>[Signature]</u>		Date Signed 6/6/05	
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

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

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name P-27 NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 22 E ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☒ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		Facility Name Vacant Lot Facility ID License/Permit/Monitoring No. Street Address of Well 2636 West State Street City, Village, or Town Milwaukee Present Well Owner City of Milwaukee Original Owner Street Address or Route of Owner 809 N. Broadway City, State, Zip Code Milwaukee WI 53202-	
Reason For Abandonment Sampling Completed		WI Unique Well No. of Replacement Well _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 4/10/01 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) GeoProbe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips For monitoring wells and monitoring well boreholes only ☒ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry	

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
	Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 4/10/01
Signature of Person Doing Work <i>Don Bauer</i>		Date Signed 6/6/05
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118
City, State, Zip Code Waukesha WI 53186-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION			(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	Facility Name Vacant Lot	
Common Well Name P-28 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 22 [X] E Grid Location _____ ft. [] N. [] S., _____ ft. [] E. [] W. Local Grid Origin [X] (estimated: []) or Well Location [] Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. [] S. [] C. [] N. Zone _____			Facility ID	License/Permit/Monitoring No.
Reason For Abandonment Sampling Completed			Street Address of Well 2636 West State Street	
WI Unique Well No. of Replacement Well _____			City, Village, or Town Milwaukee	
			Present Well Owner City of Milwaukee	Original Owner
			Street Address or Route of Owner 809 N. Broadway	
			City, State, Zip Code Milwaukee WI 53202-	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 4/10/01 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) GeoProbe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No [X] Not Applicable Liner(s) Removed? ☐ Yes ☐ No [X] Not Applicable Screen Removed? ☐ Yes ☐ No [X] Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☒ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	8	0.3	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 4/10/01
Signature of Person Doing Work <i>Don Barnes</i>		Date Signed
Street or Route N8 W22350 Johnson Drive	Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-		

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Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION			
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE			
Common Well Name P-29 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 22 E Grid Location _____ ft. N. _____ ft. S., _____ ft. E. _____ ft. W. Local Grid Origin [X] (estimated:) or Well Location Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. Zone		Facility Name Vacant Lot	Facility ID		
Reason For Abandonment Sampling Completed		License/Permit/Monitoring No.			
WI Unique Well No. of Replacement Well		Street Address of Well 2636 West State Street			
		City, Village, or Town Milwaukee			
		Present Well Owner City of Milwaukee			
		Original Owner			
		Street Address or Route of Owner 809 N. Broadway			
		City, State, Zip Code Milwaukee WI 53202-			
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date 4/10/01 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) GeoProbe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) Casing Diameter (in.) (From ground surface) Casing Depth (ft.) Lower Drillhole Diameter (in.) Was Well Annular Space Grouted? Yes No Unknown If Yes, To What Depth? Feet Depth to Water (Feet)		Pump & Piping Removed? Yes No Not Applicable Liner(s) Removed? Yes No Not Applicable Screen Removed? Yes No Not Applicable Casing Left in Place? Yes No Was Casing Cut Off Below Surface? Yes No Did Sealing Material Rise to Surface? Yes No Did Material Settle After 24 Hours? Yes No If Yes, Was Hole Retopped? Yes No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☒ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips			
(5) Material Used To Fill Well/Drillhole		From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips		Surface	8	0.3	
(6) Comments:					
(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 4/10/01			
Signature of Person Doing Work <i>[Signature]</i>		Date Signed 6/6/05			
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118			
City, State, Zip Code Waukesha WI 53186-					
FOR DNR OR COUNTY USE ONLY					
Date Received		Noted By			
Comments					

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name <u>GP1</u> Gov't Lot (If applicable) _____		Facility Name Vacant Property	License/Permit/Monitoring No.
NW <u>1/4</u> of NW <u>1/4</u> of Sec. <u>30</u> ; T. <u>7</u> N; R. <u>21</u> ☒ E ☐ W		Street Address of Well <u>2636 West State Street</u>	
Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.		City, Village, or Town <u>Milwaukee</u>	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Present Well Owner _____ Original Owner _____	
Lat. _____ Long. _____ or _____		Street Address or Route of Owner _____	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		City, State, Zip Code _____	
Reason For Abandonment Completion of Geoprobe		WI Unique Well No. of Replacement Well _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL														
Original Construction Date <u>1/25/05</u> ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) <u>Geoprobe</u> Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) <u>4</u> Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2</u> Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity <table style="width:100%;"> <tr> <th style="text-align: left;">Sealing Materials</th> <th style="text-align: left;">For monitoring wells and monitoring well boreholes only</th> </tr> <tr> <td>☐ Neat Cement Grout</td> <td>☐ Bentonite Chips</td> </tr> <tr> <td>☐ Sand-Cement (Concrete) Grout</td> <td>☐ Granular Bentonite</td> </tr> <tr> <td>☐ Concrete</td> <td>☐ Bentonite - Cement Grout</td> </tr> <tr> <td>☐ Clay-Sand Slurry (11 lb./gal. wt.)</td> <td>☐ Bentonite - Sand Slurry</td> </tr> <tr> <td>☐ Bentonite-Sand Slurry " "</td> <td></td> </tr> <tr> <td>☐ Bentonite Chips</td> <td></td> </tr> </table>	Sealing Materials	For monitoring wells and monitoring well boreholes only	☐ Neat Cement Grout	☐ Bentonite Chips	☐ Sand-Cement (Concrete) Grout	☐ Granular Bentonite	☐ Concrete	☐ Bentonite - Cement Grout	☐ Clay-Sand Slurry (11 lb./gal. wt.)	☐ Bentonite - Sand Slurry	☐ Bentonite-Sand Slurry " "		☐ Bentonite Chips	
Sealing Materials	For monitoring wells and monitoring well boreholes only														
☐ Neat Cement Grout	☐ Bentonite Chips														
☐ Sand-Cement (Concrete) Grout	☐ Granular Bentonite														
☐ Concrete	☐ Bentonite - Cement Grout														
☐ Clay-Sand Slurry (11 lb./gal. wt.)	☐ Bentonite - Sand Slurry														
☐ Bentonite-Sand Slurry " "															
☐ Bentonite Chips															

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05	
Signature of Person Doing Work <i>Gregory J. Vogel</i>		Date Signed 1-31-05	
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

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Date Received	Noted By
Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP2		Gov't Lot (If applicable)	
NW 1/4 of NW 1/4 of Sec. 30		T. 7 N; R. 21 E	
Grid Location		City, Village, or Town Milwaukee	
ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.		Present Well Owner	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Original Owner	
Lat. " Long. " or		Street Address or Route of Owner	
St. Plane ft. N. ft. E. ☐ S ☐ C ☐ N Zone		City, State, Zip Code	
Reason For Abandonment Completion of Geoprobe		WI Unique Well No. of Replacement Well	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 1/25/05		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☐ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Material Settle After 24 Hours? ☐ Yes ☐ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) 4 Casing Diameter (in.)		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.)		☐ Screened & Poured ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) 2		(Bentonite Chips)	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		Sealing Materials	
If Yes, To What Depth? Feet		☐ Neat Cement Grout	
Depth to Water (Feet)		☐ Sand-Cement (Concrete) Grout	
		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☐ Bentonite Chips	
		For monitoring wells and monitoring well boreholes only	
		☐ Bentonite Chips	
		☐ Granular Bentonite	
		☐ Bentonite - Cement Grout	
		☐ Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Giles Engineering Associates, Inc.		1/25/05	
Signature of Person Doing Work		Date Signed	
<i>Gregory A. Logg</i>		1-31-05	
Street or Route		Telephone Number	
N8 W2350 Johnson Drive		(262) 544-0118	
City, State, Zip Code			
Waukesha WI 53186-			

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP3		Facility Name Vacant Property	
Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E ☒ E ☐ W		Facility ID	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		License/Permit/Monitoring No.	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Street Address of Well 2636 West State Street	
Lat. _____ Long. _____ or _____		City, Village, or Town Milwaukee	
St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone		Present Well Owner	
Reason For Abandonment Completion of Geoprobe		Original Owner	
WI Unique Well No. of Replacement Well _____		Street Address or Route of Owner	
		City, State, Zip Code	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 1/25/05	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
☐ Monitoring Well	Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
☐ Water Well	Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
☒ Borehole / Drillhole	Casing Left in Place? ☐ Yes ☐ No
Construction Type:	Was Casing Cut Off Below Surface? ☐ Yes ☐ No
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug	Did Sealing Material Rise to Surface? ☐ Yes ☐ No
☒ Other (Specify) Geoprobe	Did Material Settle After 24 Hours? ☐ Yes ☐ No
Formation Type:	If Yes, Was Hole Retopped? ☐ Yes ☐ No
☒ Unconsolidated Formation ☐ Bedrock	Required Method of Placing Sealing Material
Total Well Depth (ft.) 4 Casing Diameter (in.) _____	☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
(From ground surface) Casing Depth (ft.) _____	☐ Screened & Poured ☒ Other (Explain) Gravity
Lower Drillhole Diameter (in.) 2	Sealing Materials
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown	☐ Neat Cement Grout
If Yes, To What Depth? _____ Feet	☐ Sand-Cement (Concrete) Grout
Depth to Water (Feet) _____	☐ Concrete
	☐ Clay-Sand Slurry (11 lb./gal. wt.)
	☐ Bentonite-Sand Slurry " "
	☐ Bentonite Chips
	For monitoring wells and monitoring well boreholes only
	☐ Bentonite Chips
	☐ Granular Bentonite
	☐ Bentonite - Cement Grout
	☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05
Signature of Person Doing Work <i>Gregory Vogel</i>	Date Signed 1-31-05	
Street or Route N8 W22580 Johnson Drive	Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-		

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP4 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		Facility Name Vacant Property Facility ID License/Permit/Monitoring No. Street Address of Well 2636 West State Street City, Village, or Town Milwaukee Present Well Owner Original Owner Street Address or Route of Owner City, State, Zip Code	
Reason For Abandonment Completion of Geoprobe		WI Unique Well No. of Replacement Well	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Giles Engineering Associates, Inc.		1/25/05	
Signature of Person Doing Work <i>Gregory J. Vogel</i>		Date Signed 1-31-05	
Street or Route N8 W2350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION		(2) FACILITY/OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP5 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N ☐ Zone		Facility Name Vacant Property Facility ID License/Permit/Monitoring No. Street Address of Well 2636 West State Street City, Village, or Town Milwaukee Present Well Owner Original Owner Street Address or Route of Owner City, State, Zip Code	
Reason For Abandonment Completion of Geoprobe		WI Unique Well No. of Replacement Well _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips For monitoring wells and monitoring well boreholes only ☐ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05	
Signature of Person Doing Work <i>Gregory A. Vogel</i>		Date Signed 1-31-05	
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

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Comments	

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

(1) GENERAL INFORMATION			(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	Facility Name Vacant Property	
Common Well Name GP6 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E ☒ E Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long _____ or _____ St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone			Facility ID _____ License/Permit/Monitoring No. _____	
Reason For Abandonment Completion of Geoprobe			Street Address of Well 2636 West State Street	
WI Unique Well No. of Replacement Well _____			City, Village, or Town Milwaukee	
			Present Well Owner _____ Original Owner _____	
			Street Address or Route of Owner _____	
			City, State, Zip Code _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite - Sand Slurry ☐ Bentonite Chips	

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
	Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05	
Signature of Person Doing Work <i>Gregory J. Vogel</i>		Date Signed 1-31-05	
Street or Route N8 W22350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP7 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E ☒ E ☐ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long _____ or St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone Reason For Abandonment Completion of Geoprobe		Facility Name Vacant Property Facility ID License/Permit/Monitoring No. Street Address of Well 2636 West State Street City, Village, or Town Milwaukee Present Well Owner Original Owner Street Address or Route of Owner City, State, Zip Code	
WI Unique Well No. of Replacement Well _____			

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05	
Signature of Person Doing Work <i>Gregory S. Vogel</i>		Date Signed 1-31-05	
Street or Route N8 W22150 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP8 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E ☒ E Grid Location ft. ☐ N. ☐ S., ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. " Long " or St. Plane ft. N. ft. E. ☐ ☐ ☐ Zone		Facility Name Vacant Property Facility ID License/Permit/Monitoring No. Street Address of Well 2636 West State Street City, Village, or Town Milwaukee Present Well Owner Original Owner Street Address or Route of Owner City, State, Zip Code	
Reason For Abandonment Completion of Geoprobe		WI Unique Well No. of Replacement Well	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) (From ground surface) Casing Depth (ft.) Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? Feet Depth to Water (Feet)		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips	

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
	Granular Bentonite	Surface	4	0.5	

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05	
Signature of Person Doing Work <i>Gregory A. Vogel</i>		Date Signed 1-31-05	
Street or Route N8 W2350 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP9 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E		Facility Name Vacant Property	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone		Facility ID License/Permit/Monitoring No.	
Reason For Abandonment Completion of Geoprobe		Street Address of Well 2636 West State Street	
WI Unique Well No. of Replacement Well _____		City, Village, or Town Milwaukee	
		Present Well Owner Original Owner	
		Street Address or Route of Owner	
		City, State, Zip Code	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips For monitoring wells and monitoring well boreholes only ☐ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry	

(5)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
	Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05
Signature of Person Doing Work <i>Gregory A. Vogel</i>		Date Signed 1-31-05
Street or Route N8 W2350 Johnson Drive		Telephone Number (262) 544-0118
City, State, Zip Code Waukesha WI 53186-		

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Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP10 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E ☒ W Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long _____ or _____ S C N Zone St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		Facility Name Vacant Property	
Reason For Abandonment Completion of Geoprobe		License/Permit/Monitoring No.	
WI Unique Well No. of Replacement Well _____		Street Address of Well 2636 West State Street	
		City, Village, or Town Milwaukee	
		Present Well Owner	
		Original Owner	
		Street Address or Route of Owner	
		City, State, Zip Code	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips ☐ Bentonite Chips

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Giles Engineering Associates, Inc.		1/25/05	
Signature of Person Doing Work <i>Gregory S. Vogel</i>		Date Signed 1-31-05	
Street or Route N8 W2250 Johnson Drive		Telephone Number (262) 544-0118	
City, State, Zip Code Waukesha WI 53186-			

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP11 Gov't Lot (If applicable)		Facility Name	Vacant Property
NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E ☒ W		Facility ID	License/Permit/Monitoring No.
Grid Location		Street Address of Well 2636 West State Street	
_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.		City, Village, or Town Milwaukee	
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐		Present Well Owner	Original Owner
Lat. _____ Long. _____ or		Street Address or Route of Owner	
St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		City, State, Zip Code	
Reason For Abandonment Completion of Geoprobe		WI Unique Well No. of Replacement Well _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 1/25/05		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☐ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Material Settle After 24 Hours? ☐ Yes ☐ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) 4 Casing Diameter (in.) _____		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.) _____		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) 2		Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Neat Cement Grout	
If Yes, To What Depth? _____ Feet		☐ Sand-Cement (Concrete) Grout	
Depth to Water (Feet) _____		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☐ Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
	Surface	4	0.5	
Granular Bentonite				

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Giles Engineering Associates, Inc.		1/25/05	
Signature of Person Doing Work		Date Signed	
<i>Gregory S. Vogel</i>		1-31-05	
Street or Route		Telephone Number	
N8 W22350 Johnson Drive		(262) 544-0118	
City, State, Zip Code			
Waukesha WI 53186-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP12 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E		Facility Name Vacant Property	Facility ID
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W. Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. ☐ ☐ ☐ Zone		License/Permit/Monitoring No.	
Reason For Abandonment Completion of Geoprobe		Street Address of Well 2636 West State Street	
WI Unique Well No. of Replacement Well _____		City, Village, or Town Milwaukee	
		Present Well Owner	Original Owner
		Street Address or Route of Owner	
		City, State, Zip Code	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 1/25/05 ☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) 2 Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☐ No ☒ Not Applicable Casing Left in Place? ☐ Yes ☐ No Was Casing Cut Off Below Surface? ☐ Yes ☐ No Did Sealing Material Rise to Surface? ☐ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☐ No If Yes, Was Hole Retopped? ☐ Yes ☐ No Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity Sealing Materials For monitoring wells and monitoring well boreholes only ☐ Neat Cement Grout ☐ Bentonite Chips ☐ Sand-Cement (Concrete) Grout ☐ Granular Bentonite ☐ Concrete ☐ Bentonite - Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite - Sand Slurry ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05
Signature of Person Doing Work <i>Gregory S. Vogel</i>		Date Signed 1-31-05
Street or Route N8 W22360 Johnson Drive		Telephone Number (262) 544-0118
City, State, Zip Code Waukesha WI 53186-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County MILWAUKEE	
Common Well Name GP13 Gov't Lot (If applicable)		Facility Name Vacant Property	Facility ID
NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E		License/Permit/Monitoring No.	
Grid Location		Street Address of Well 2636 West State Street	
ft. N. S. E. W.		City, Village, or Town Milwaukee	
Local Grid Origin (estimated:) or Well Location		Present Well Owner	
Lat. Long. or		Original Owner	
St. Plane ft. N. ft. E. Zone		Street Address or Route of Owner	
Reason For Abandonment Completion of Geoprobe		City, State, Zip Code	
WI Unique Well No. of Replacement Well			

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 1/25/05		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Monitoring Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole / Drillhole		Casing Left in Place? ☐ Yes ☐ No	
Construction Type:		Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug		Did Sealing Material Rise to Surface? ☐ Yes ☐ No	
☒ Other (Specify) Geoprobe		Did Material Settle After 24 Hours? ☐ Yes ☐ No	
Formation Type:		If Yes, Was Hole Retopped? ☐ Yes ☐ No	
☒ Unconsolidated Formation ☐ Bedrock		Required Method of Placing Sealing Material	
Total Well Depth (ft.) 4 Casing Diameter (in.)		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped	
(From ground surface) Casing Depth (ft.)		☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Lower Drillhole Diameter (in.) 2		Sealing Materials	
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown		☐ Neat Cement Grout	
If Yes, To What Depth? Feet		☐ Sand-Cement (Concrete) Grout	
Depth to Water (Feet)		☐ Concrete	
		☐ Clay-Sand Slurry (11 lb./gal. wt.)	
		☐ Bentonite-Sand Slurry " "	
		☐ Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
	Surface	4	0.5	

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work Giles Engineering Associates, Inc.		Date of Abandonment 1/25/05
Signature of Person Doing Work <i>Gregory S. Vogel</i>		Date Signed 1-31-05
Street or Route N8 W22380 Johnson Drive		Telephone Number (262) 544-0118
City, State, Zip Code Waukesha WI 53186-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

(1) GENERAL INFORMATION

WI Unique Well No.	DNR Well ID No.	County MILWAUKEE
Common Well Name GP14 Gov't Lot (If applicable) NW 1/4 of NW 1/4 of Sec. 30 ; T. 7 N; R. 21 E Grid Location _____ ft. N. _____ ft. S. _____ ft. E. _____ ft. W. Local Grid Origin _____ (estimated: _____) or Well Location _____ Lat. _____ Long. _____ or _____ St. Plane _____ ft. N. _____ ft. E. _____ Zone _____ Reason For Abandonment Completion of Geoprobe WI Unique Well No. of Replacement Well _____		

(2) FACILITY / OWNER INFORMATION

Facility Name Vacant Property	
Facility ID	License/Permit/Monitoring No.
Street Address of Well 2636 West State Street	
City, Village, or Town Milwaukee	
Present Well Owner	Original Owner
Street Address or Route of Owner	
City, State, Zip Code	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date 1/25/05
☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (Specify) Geoprobe
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock
Total Well Depth (ft.) 4 Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____
Lower Drillhole Diameter (in.) 2
Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown If Yes, To What Depth? _____ Feet
Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
Casing Left in Place? ☐ Yes ☐ No	
Was Casing Cut Off Below Surface? ☐ Yes ☐ No	
Did Sealing Material Rise to Surface? ☐ Yes ☐ No	
Did Material Settle After 24 Hours? ☐ Yes ☐ No	
If Yes, Was Hole Retopped? ☐ Yes ☐ No	
Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain) Gravity	
Sealing Materials ☐ Neat Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Bentonite-Sand Slurry " " ☐ Bentonite Chips	For monitoring wells and monitoring well boreholes only ☐ Bentonite Chips ☐ Granular Bentonite ☐ Bentonite - Cement Grout ☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular Bentonite	Surface	4	0.5	

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work

Giles Engineering Associates, Inc.	Date of Abandonment 1/25/05
Signature of Person Doing Work Gregory J. Vogel	Date Signed 1-31-05
Street or Route N8 W22350 Johnson Drive	Telephone Number (262) 544-0118
City, State, Zip Code Waukesha WI 53186-	

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Facility/Project Name <u>NEC 272 + Stee</u>	Local Grid Location of Well ft. ☐ N. ☐ S. ☐ E. ☐ W.	Well Name <u>MW-1</u>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: ☐) or Well Location ☐ Lat. " Long. " or " or "	Wis. Unique Well No. <u>5K78L</u> DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <u>02/28/2000</u>
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. ☐ E ☐ W	Well Installed By: Name (first, last) and Firm <u>Midwest Engineering</u>
Distance from Waste/Source ft.	Ent. Stds. Apply ☐	
	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation --- ft. MSL
B. Well casing, top elevation --- 101.8 ft. MSL
C. Land surface elevation --- 102 ft. MSL
D. Surface seal, bottom --- ft. MSL or --- ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top --- 101.5 ft. MSL or --- 0.5 ft.

F. Fine sand, top --- 98 ft. MSL or --- 4 ft.

G. Filter pack, top --- 98 ft. MSL or --- 4 ft.

H. Screen joint, top --- 96 ft. MSL or --- 6 ft.

I. Well bottom --- 81 ft. MSL or --- 21 ft.

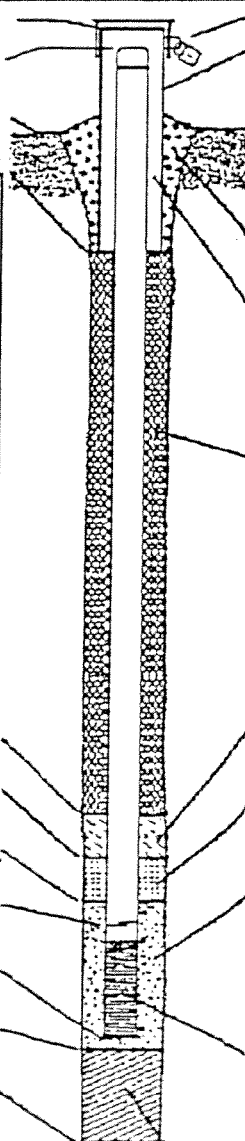
J. Filter pack, bottom --- 81 ft. MSL or --- 21 ft.

K. Borehole, bottom --- 81.0 ft. MSL or --- 2.1 ft.

L. Borehole, diameter --- 8.25 in.

M. O.D. well casing --- 7.38 in.

N. I.D. well casing --- 2.0 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: --- 8 in.
b. Length: --- 1 ft.
c. Material: Steel ☒ 04
Other ☐

d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

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

4. Material between well casing and protective pipe:
Bentonite ☒ 30
Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ___ Lbs/gal mud weight... Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight... Bentonite slurry ☐ 31
d. ___ % Bentonite... Bentonite-cement grout ☐ 50
e. ___ Ft³ volume added for any of the above

f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 45-55
b. Volume added 0 ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint
b. Volume added 4.25 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 30 ☐ 24
Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐

b. Manufacturer Timco
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14
Other ☐

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

Signature

[Signature]

Firm

Gilps Engineering

Facility/Project Name <u>NEC 27th & State</u>	Local Grid Location of Well ft. ☐ N. ☐ E. ☐ S. ☐ W.	Well Name <u>MW-2</u>
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or _____	Wis. Unique Well No. <u>JK 782</u> DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>02/28/2000</u>
Type of Well Well Code <u>11 MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm <u>Midwest Engineering</u>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	
Ent. Stds. Apply ☐	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? ☒ Yes ☐ No
B. Well casing, top elevation <u>99.61</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel ☒ 04 Other ☐
C. Land surface elevation <u>99.8</u> ft. MSL	d. Additional protection? ☐ Yes ☐ No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐
12. USCS classification of soil near screen: GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐ SM ☐ SC ☒ ML ☐ MH ☐ CL ☐ CH ☐ Bedrock ☐	4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐
13. Sieve analysis performed? ☐ Yes ☐ No	5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33 b. _____ Lbs/gal mud weight... Bentonite-sand slurry ☐ 35 c. _____ Lbs/gal mud weight... Bentonite slurry ☐ 31 d. _____ % Bentonite... Bentonite-cement grout ☐ 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐	6. Bentonite seal: a. Bentonite granules ☐ 33 b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32 c. _____ Other ☐
15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99	7. Fine sand material: Manufacturer, product name & mesh size <u>Red Flint 45-55</u>
16. Drilling additives used? ☐ Yes ☒ No	b. Volume added _____ Ft ³
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size <u>Red Flint #30</u>
17. Source of water (attach analysis, if required): _____	b. Volume added <u>7.25</u> Ft ³
E. Bentonite seal, top <u>99.3</u> ft. MSL or <u>0.5</u> ft.	9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
F. Fine sand, top <u>96.8</u> ft. MSL or <u>3</u> ft.	10. Screen material: <u>PVC</u>
G. Filter pack, top <u>96.8</u> ft. MSL or <u>3</u> ft.	a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
H. Screen joint, top <u>94.8</u> ft. MSL or <u>5</u> ft.	b. Manufacturer <u>Timco</u>
I. Well bottom <u>79.8</u> ft. MSL or <u>20</u> ft.	c. Slot size: _____ 0.016 in.
J. Filter pack, bottom <u>79.8</u> ft. MSL or <u>20</u> ft.	d. Slotted length: <u>15</u> ft.
K. Borehole, bottom <u>79.8</u> ft. MSL or <u>20</u> ft.	11. Backfill material (below filter pack): None ☒ 14 Other ☐
L. Borehole, diameter <u>8.25</u> in.	
M. O.D. well casing <u>2.39</u> in.	
N. I.D. well casing <u>2.00</u> in.	

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

Signature Dick Reesman Firm Giles Engineering Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 287, 288, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name <u>DEC 27th State</u>	Local Grid Location of Well ft. ☐ N. ☐ S. ☐ E. ☐ W.	Well Name <u>MW-3</u>
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or _____	Wis. Unique Well No. <u>JK 783</u> DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>02/27/2000</u> m m d y y y
Type of Well	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm <u>Midwest Engineering</u>
Well Code _____/_____	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	
Distance from Waste/Source _____ ft.	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 102.9 ft. MSL
C. Land surface elevation 100.6 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

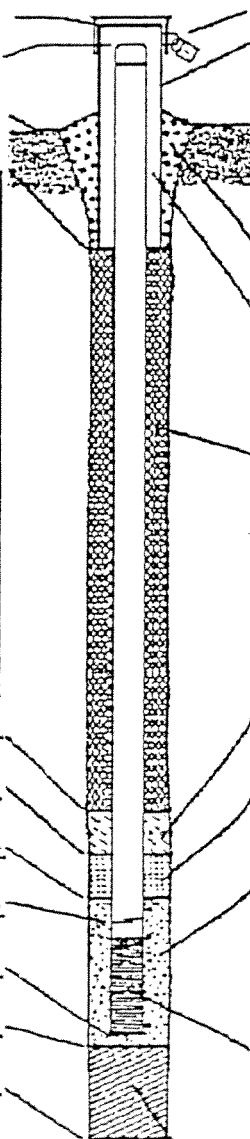
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

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

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top 100.1 ft. MSL or 0.5 ft.
F. Fine sand, top 96.6 ft. MSL or 4 ft.
G. Filter pack, top 96.6 ft. MSL or 4 ft.
H. Screen joint, top 94.6 ft. MSL or 6 ft.
I. Well bottom 79.6 ft. MSL or 21 ft.
J. Filter pack, bottom 79.6 ft. MSL or 21 ft.
K. Borehole, bottom 79.6 ft. MSL or 21 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



- Cap and lock? ☒ Yes ☐ No
- Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04
Other ☐
- Additional protection? ☐ Yes ☐ No
If yes, describe: _____
- Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Other ☐
- Material between well casing and protective pipe: Bentonite ☒ 30
Other ☐
- Annular space seal:
a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight... Bentonite slurry ☐ 31
d. _____ % Bentonite... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
- Bentonite seal:
a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
- Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #45-55
b. Volume added 0 ft³
- Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 5.5 ft³
- Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 30 ☐ 24
Other ☐
- Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
- Manufacturer Thurco
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
- Backfill material (below filter pack): None ☒ 14
Other ☐

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

Signature

Firm

Dick Reesman

Giles Engineering

Facility/Project Name <u>NEZ 27th & State</u>	Local Grid Location of Well ft. ☐ N. ☐ E. ☐ S. ☐ W.	Well Name <u>MW-4</u>
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or _____	Wis. Unique Well No. <u>DK-784</u> DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>02/28/2000</u>
Type of Well Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm <u>Midwest Engineering</u>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	
Enf. Stds. Apply ☐	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 100.1 ft. MSL
C. Land surface elevation 98.8 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 98.3 ft. MSL or 0.5 ft.

F. Fine sand, top 91.8 ft. MSL or 7 ft.

G. Filter pack, top 91.8 ft. MSL or 7 ft.

H. Screen joint, top 89.8 ft. MSL or 9 ft.

I. Well bottom 79.8 ft. MSL or 19 ft.

J. Filter pack, bottom 79.8 ft. MSL or 19 ft.

K. Borehole, bottom 79.8 ft. MSL or 19 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.0 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.8 ft.
c. Material: Steel ☒ 04
Other ☐

d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

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

4. Material between well casing and protective pipe:
Bentonite ☒ 30
Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ... Bentonite slurry ☐ 31
d. _____ % Bentonite ... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #45-55
b. Volume added 0 ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 6 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 30 ☐ 24
Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐

b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☐ 14
Other ☐

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

Signature

[Signature]

Firm

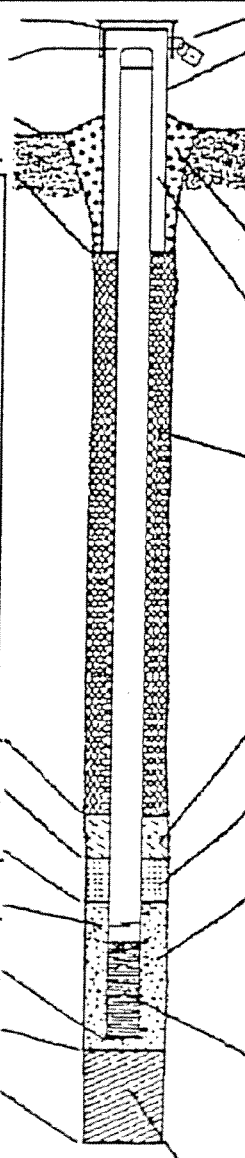
Gitler Engineering

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

Facility/Project Name WEC + State WI Local Grid Location of Well _____ ft. ☐ N. ☐ S. ☐ E. ☐ W.
Facility License, Permit or Monitoring No. _____ Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. _____ Long. _____ or _____
Facility ID _____ St. Plane _____ ft. N. _____ ft. E. S/C/N _____
Type of Well _____ Well Code 11 MW Section Location of Waste/Source _____ 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ ☐ E ☐ W
Distance from Waste/Source _____ ft. Enl. Stds. Apply ☐ Location of Well Relative to Waste/Source
u ☐ Upgradient s ☐ Sidegradient Gov. Lot Number _____
d ☐ Downgradient n ☐ Not Known
Well Name MW-5
Wls. Unique Well No. JK 785 DNR Well ID No. _____
Date Well Installed 02/28/2000
Well Installed By: Name (first, last) and Firm Midwest Engineering

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 100.9 ft. MSL
C. Land surface elevation 100.5 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☒ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐
13. Sieve analysis performed? ☐ Yes ☐ No
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe _____
17. Source of water (attach analysis, if required): _____



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: _____ Steel ☒ 04
Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30
Concrete ☒ 01
Other ☐
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30
Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight... Bentonite slurry ☐ 31
d. _____ % Bentonite... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #45-55
b. Volume added 0 ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 3 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 30 ☐ 24
Other ☐
10. Screen material: PVC
a. Screen type: _____ Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer Timco
c. Slot size: _____ 0.010 in.
d. Slotted length: 15 ft
11. Backfill material (below filter pack): None ☒ 14
Other ☐

E. Bentonite seal, top 100.0 ft. MSL or 0.5 ft.
F. Fine sand, top 97.5 ft. MSL or 3 ft.
G. Filter pack, top 97.5 ft. MSL or 3 ft.
H. Screen joint, top 95.5 ft. MSL or 5 ft.
I. Well bottom 80.5 ft. MSL or 20 ft.
J. Filter pack, bottom 80.5 ft. MSL or 20 ft.
K. Borehole, bottom 80.5 ft. MSL or 20 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.

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

Signature

Firm

[Signature] Giles Engineering

Facility/Project Name <u>27 East State</u> <u>NEC</u>		Local Grid Location of Well ft. ☐ N. ☐ E. ft. ☐ S. ☐ W.		Well Name <u>MW-6</u>	
Facility License, Permit or Monitoring No.		Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____ or _____		Wis. Unique Well No. <u>JK 786</u> DNR Well ID No. _____	
Facility ID _____		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed <u>02/20/2000</u> m m d d y y y y	
Type of Well _____ Well Code _____ / _____		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. ☐ E ☐ W		Well Installed By: Name (first, last) and Firm <u>Midwest Engineering</u>	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply ☐		Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	
		Gov. Lot Number _____			

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 102.7 ft. MSL
C. Land surface elevation 100.2 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

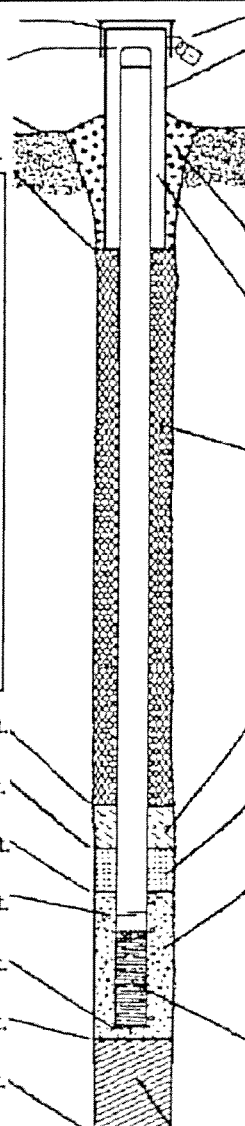
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 99.7 ft. MSL or 0.5 ft.
F. Fine sand, top 97.2 ft. MSL or 3 ft.
G. Filter pack, top 97.2 ft. MSL or 3 ft.
H. Screen joint, top 95.2 ft. MSL or 5 ft.
I. Well bottom 80.2 ft. MSL or 20 ft.
J. Filter pack, bottom 80.2 ft. MSL or 20 ft.
K. Borehole, bottom 80.2 ft. MSL or 20 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



- Cap and lock? ☒ Yes ☐ No
- Protective cover pipe:
a. Inside diameter: _____
b. Length: _____
c. Material: Steel ☒ 04
Other ☐
- Additional protection? ☐ Yes ☐ No
If yes, describe: _____
- Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Other ☐
- Material between well casing and protective pipe: Bentonite ☒ 30
Other ☐
- Annular space seal:
a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight... Bentonite slurry ☐ 31
d. _____ % Bentonite... Bentonite-cement grout ☐ 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
- Bentonite seal:
a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
- Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #45-55
b. Volume added 0 ft³
- Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #30
b. Volume added 4.5 ft³
- Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
- Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
- Manufacturer TIMECO
c. Slot size: 0.010 in.
d. Slotted length: 1.5 ft.
- Backfill material (below filter pack): None ☒ 14
Other ☐

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

Signature [Signature] Firm Gilts Engineering

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

Facility/Project Name 2636 West State Street	County Name MILWAUKEE	Well Name MW 1
Facility License, Permit or Monitoring Number	County Code .41	Wis. Unique Well Number _____ DNR Well ID Number _____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

- surged with bailer and bailed ☐ 41
surged with bailer and pumped ☒ 61
surged with block and bailed ☐ 42
surged with block and pumped ☐ 62
surged with block, bailed and pumped ☐ 70
compressed air ☐ 20
bailed only ☐ 10
pumped only ☐ 51
pumped slowly ☐ 50
Other ☐

3. Time spent developing well 45 min.

4. Depth of well (from top of well casing) 20.0 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 0 gal.

7. Volume of water removed from well 13 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results) N/A

17. Additional comments on development:

11. Depth to Water (from top of well casing)
Before Development After Development
a. 7.69 ft. 17.43 ft.
Date b. 3/10/2000 3/10/2000
m m d d y y y y m m d d y y y y
Time c. 12:00 ☐ a.m. 12:40 ☐ a.m.
☒ p.m. ☒ p.m.

12. Sediment in well bottom 0 inches 0 inches

13. Water clarity Clear ☐ 10 Clear ☒ 20
Turbid ☒ 15 Turbid ☐ 25
(Describe) (Describe)
Silty Tan-Brown Clean to Silty

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids 0 mg/l 0 mg/l

15. COD 0 mg/l 0 mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Don Last Name: Callen

Firm: Giles Engineering Associates

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

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

Facility/Firm: City of Milwaukee

Signature: Don Callen

Street: 901

Print Name: Don Callen

City/State/Zip: Milwaukee WI

Firm: Dakota for Giles Engineering Associates

Route to: Watershed/Wastewater ☐

Waste Management ☐

Remediation/Redevelopment ☒

Other ☐

Facility/Project Name 2636 West State Street	County Name MILWAUKEE	Well Name MW 2
Facility License, Permit or Monitoring Number	County Code .41	Wis. Unique Well Number JK 782
		DNR Well ID Number

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

- ☐ 4 1 surged with bailer and bailed
☒ 6 1 surged with bailer and pumped
☐ 4 2 surged with block and bailed
☐ 6 2 surged with block and pumped
☐ 7 0 surged with block, bailed and pumped
☐ 2 0 compressed air
☐ 1 0 bailed only
☐ 5 1 pumped only
☐ 5 0 pumped slowly
☐ Other

3. Time spent developing well 0 min.

4. Depth of well (from top of well casing) ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing gal.

7. Volume of water removed from well 8.5 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results) N/A

17. Additional comments on development:

11. Depth to Water Before Development After Development

a. 11.67 ft. 16.88 ft.

Date b. 3/1/02/2000 3/1/02/2000
m m d d y y y y m m d d y y y y

Time c. 13:00 ☐ a.m. 13:30 ☐ a.m.
☒ p.m. ☒ p.m.

12. Sediment in well bottom inches inches

13. Water clarity Clear ☐ 1 0 Clear ☒ 2 0
Turbid ☒ 1 5 Turbid ☐ 2 5
(Describe) Turbid - Clear
Silty Brown Slightly Milky

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended 0 mg/l 0 mg/l
solids

15. COD 0 mg/l 0 mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Don Last Name: Callen

Firm: Giles Engineering Associates

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Last Name:

Facility/Firm: City of Milwaukee

Street: 901

City/State/Zip: Milwaukee WI

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

Signature: Don Callen

Print Name: Don Callen

Firm: Dakota for Giles Engineering Associates

Route to: Watershed/Wastewater ☐ Waste Management ☐

Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	County Name	Well Name
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

Can this well be purged dry? ☒ Yes ☐ No

Well development method

- ☒ surged with bailer and bailed 4 1
- ☐ surged with bailer and pumped 6 1
- ☐ surged with block and bailed 4 2
- ☐ surged with block and pumped 6 2
- ☐ surged with block, bailed and pumped 7 0
- ☐ compressed air 2 0
- ☐ bailed only 1 0
- ☐ pumped only 5 1
- ☐ pumped slowly 5 0
- ☐ Other

Time spent developing well 30 min.

Depth of well (from top of well casing) ft.

Inside diameter of well 2.00 in.

Volume of water in filter pack and well casing gal.

Volume of water removed from well 2.0 gal.

Volume of water added (if any) gal.

Source of water added

Analysis performed on water added? ☐ Yes ☐ No
If yes, attach results

7. Additional comments on development:

11. Depth to Water Before Development After Development
(from top of well casing) a. ft. ft.
Date b. 03/17/2000 03/17/2000
m m d d y y y m m d d y y y
Time c. 13:45 ☐ a.m. 14:15 ☐ a.m.
☒ p.m. ☒ p.m.

12. Sediment in well bottom inches inches

13. Water clarity Clear ☒ 1 0 Clear ☒ 2 0
Turbid ☐ 1 5 Turbid ☐ 2 5
(Describe) Clear and milky Clear

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids mg/l mg/l

15. COD mg/l mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Don C Last Name: CALEN
Firm: DAKOTA

Name and Address of Facility Contact/Owner/Responsible Party

Name: Last Name:

City/Firm:

Street:

State/Zip:

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

Signature: Don C 2

Print Name: Don CALEN Jr.

Firm: DAKOTA

Route to: Watershed/Wastewater ☐

Waste Management ☐

Remediation/Redevelopment ☒

Other ☐

Facility/Project Name 2636 West State Street	County Name MILWAUKEE	Well Name MW 4
Facility License, Permit or Monitoring Number	County Code .41	Wis. Unique Well Number JK784
		DNR Well ID Number

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

- surged with bailer and bailed ☐ 4 1
 surged with bailer and pumped ☒ 6 1
 surged with block and bailed ☐ 4 2
 surged with block and pumped ☐ 6 2
 surged with block, bailed and pumped ☐ 7 0
 compressed air ☐ 2 0
 bailed only ☐ 1 0
 pumped only ☐ 5 1
 pumped slowly ☐ 5 0
 Other ☐

3. Time spent developing well 10 min.

4. Depth of well (from top of well casing) ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing gal.

7. Volume of water removed from well 5.0 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results) N/A

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. 11.16 ft. ft.

Date b. 3/10/2000 3/10/2000
m m d d y y y y m m d d y y y y

Time c. 13:45 ☐ a.m. 14:00 ☐ a.m.
 ☒ p.m. ☒ p.m.

12. Sediment in well bottom inches inches

13. Water clarity Clear ☐ 1 0 Clear ☒ 2 0
Turbid ☒ 1 5 Turbid ☐ 2 5

(Describe) dk brown Clear

turbid, silty

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids 0 mg/l 0 mg/l

15. COD 0 mg/l 0 mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Don Last Name: Callen

Firm: Giles Engineering Associates

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Last Name:

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

Signature: Don Callen

Print Name: Don Callen

Firm: Dakota for Giles Engineering Associates

Facility/Firm: City of Milwaukee

Street: 901

City/State/Zip: Milwaukee WI

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

Facility/Project Name 2636 West State Street	County Name MILWAUKEE	Well Name MW 5
Facility License, Permit or Monitoring Number	County Code .41	Wis. Unique Well Number JK 785
		DNR Well ID Number

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

- surged with bailer and bailed ☐ 4 1
surged with bailer and pumped ☒ 6 1
surged with block and bailed ☐ 4 2
surged with block and pumped ☐ 6 2
surged with block, bailed and pumped ☐ 7 0
compressed air ☐ 2 0
bailed only ☐ 1 0
pumped only ☐ 5 1
pumped slowly ☐ 5 0
Other ☐

3. Time spent developing well 0 40 min.

4. Depth of well (from top of well casing) _ _ _ ft.

5. Inside diameter of well 2 00 in.

6. Volume of water in filter pack and well casing _ _ _ gal.

7. Volume of water removed from well 17.0 gal.

8. Volume of water added (if any) 0 _ _ gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results) N/A

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. 6.60 ft. 11.81 ft.

Date b. 3/10/2000 3/10/2000
m m d d y y y y m m d d y y y y

Time c. 14:50 a.m. 15:30 a.m.
p.m. p.m.

12. Sediment in well bottom _ _ inches _ _ inches

13. Water clarity Clear ☐ 1 0 Clear ☒ 2 0
Turbid ☒ 1 5 Turbid ☐ 2 5
(Describe) Turbid, dk brown, Silty (Describe) Clear to Silty milky

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids 0 _ _ _ mg/l 0 _ _ _ mg/l

15. COD 0 _ _ _ mg/l 0 _ _ _ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Don Last Name: Callen

Firm: Giles Engineering Associates

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Last Name:

Facility/Firm: City of Milwaukee

Street: 901

City/State/Zip: Milwaukee WI

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

Signature:

Print Name: Don Callen

Firm: Dakota for Giles Engineering Associates

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

Facility/Project Name 2636 West State Street	County Name MILWAUKEE	Well Name MW6
Facility License, Permit or Monitoring Number	County Code .41	Wis. Unique Well Number JK 786
		DNR Well ID Number

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

- surged with bailer and bailed ☐ 41
surged with bailer and pumped ☒ 61
surged with block and bailed ☐ 42
surged with block and pumped ☐ 62
surged with block, bailed and pumped ☐ 70
compressed air ☐ 20
bailed only ☐ 10
pumped only ☐ 51
pumped slowly ☐ 50
Other ☐

3. Time spent developing well 0 45 min.

4. Depth of well (from top of well casing) ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing gal.

7. Volume of water removed from well gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results) N/A

17. Additional comments on development:

11. Depth to Water (from top of well casing)
Before Development After Development
a. 10.00 ft. 14.23 ft.
Date b. 3/10/2000 3/10/2000
m m d d y y y y m m d d y y y y
Time c. 14:00 a.m. 14:45 p.m.

12. Sediment in well bottom inches inches

13. Water clarity Clear ☐ 10 Turbid ☒ 20
Turbid ☐ 15 Turbid ☐ 25
(Describe) turbid - Clear to
the silty brown sl. milky

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids 0 mg/l 0 mg/l

15. COD 0 mg/l 0 mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Don Last Name: Callen

Firm: Giles Engineering Associates

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Last Name:

Facility/Firm: City of Milwaukee

Street: 901

City/State/Zip: Milwaukee WI

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

Signature: Don Callen

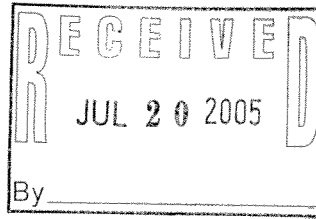
Print Name: Don Callen

Firm: Dakota for Giles Engineering Associates



July 19, 2005

Ms. Erika Pape
Giles Engineering Associates, Inc.
N8 W22350 Johnson Road, Suite A1
Waukesha, WI 53186



WASTE MANAGEMENT

W124 N9355 Boundary Road
Menomonee Falls, WI 53051
(262) 253-8620
(262) 253-1322 Fax

Dear Ms. Pape:

Thank you for choosing Waste Management of Wisconsin, Inc./Orchard Ridge RDF for your disposal needs.

This letter serves to confirm the approval of your gasoline contaminated soil under profile number BIO487395. Attached is a copy of the special waste management decision for your records. Please follow all conditions for disposal stated on the attached Special Waste Management Decision section II B.

If you have any questions please do not hesitate to call me at (262)-253-8620 ext. 102.

Sincerely,

Waste Management of Wisconsin, Inc.
Special Waste Service Center

A handwritten signature in cursive script that reads "Therese Buechel".

Therese Buechel
Special Waste Coordinator

Enclosures

This Shipping Order Must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and retained by the Agent.

Shipper's #

Carrier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order,

at National Tank Service of Wisconsin from Giles Engineering Associates, Inc

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns

(Mail or street address of consignee - For purposes of notification only.)

Consigned to

Destination 1813 S 73rd St West Allis State of WI Zip Code 53214 County of Milwaukee

Routing _____ Delivering Carrier _____ Vehicle or Car Initial _____ No. _____

Collect On Delivery

\$ _____ and remit to: _____

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Street	City	State
1	55 gallon Drum - Purge Water		
		30 gallons	
	From: 2636 W. State Street		
	Milwaukee Wisconsin		
	2/7/05		
	GR		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ _____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

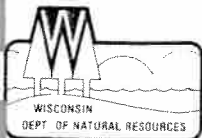
Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

Permanent post-office address of shipper, _____

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)



STATE OF WISCONSIN

Chapter 291, Wis. Stats.

Form 4400-66P

Rev. 1-99

ALL COPIES MUST BE LEGIBLE,
PLEASE TYPE

State of Wisconsin
Department of Natural Resources
Bureau of Waste Management
Box 8094
Madison, WI 53708

FOR DNR USE ONLY

Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-002

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WI 0000130210	Manifest Document No. 01410101	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address REDEVELOPMENT AUTHORITY ATTN: ERIKA PAPE N8 W22250 JOHNSON ROAD WAUKESHA WI 53186		Site Location If Different CITY OF MILWAUKEE 2822-2824 WEST STATE STREET MILWAUKEE, WI 53233		A. State Manifest Document Number WIK187485	
4. Generator's Phone (262) 544-0119				B. State Generator's ID N/A	
5. Transporter 1 Company Name B.K. JACK GRAY TRANSPORTING-ONYX ENVIRONMENTAL		6. US EPA ID Number NJ D080631369		C. State Transporter's ID 11210 16139	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (262) 544-0119	
9. Designated Facility Name and Site Address ONYX ENVIRONMENTAL SERVICES W124 N9451 BOUNDARY RD. MENDOTA FALLS, WI 53051		10. US EPA ID Number WI D002967140		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID 03138	
				H. Facility's Phone (262) 265-0055	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. HQ. HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, HA3077, III, (D009)		0101	CM	00090	Y
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above A) S/E 580350/CWDSHMHZ (LEAD IMPACTED SOILS)		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information EMERGENCY NUMBER-INFOTRAC: 1-800-535-5053. (P.O.#) A) ONLY, D009					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment;					
OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name & Position Title George K. ...		Signature [Signature]		Date Month Day Year 12 17 2004	
17. TRANSPORTER 1 Acknowledgement of Receipt of Materials		Signature [Signature]		Date Month Day Year 12 07 2004	
18. TRANSPORTER 2 Acknowledgement of Receipt of Materials		Signature [Signature]		Date Month Day Year 12 07 2004	
19. Discrepancy Indication Space TRANSPORTER PHONE: 973-347-7111		20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.			
20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Signature [Signature]		Date Month Day Year 12 07 2004	

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution:

1 - Generator send to Wis. DNR

2 - Generator retain

3 - Facility send to Wis. DNR

4 - Facility retain

5 - Facility send to Generator

6 - Transporter retain

Emergency 24 Hour Assistance

and Spill Reporting

Telephone Number: (800) 943-0003

COPY 5-

Copies 1 & 3 mail to Wis. DNR at above address.



STATE OF WISCONSIN

Chapter 291, Wis. Stats.

Form 4400-66P

Rev. 1-99

ALL COPIES MUST BE LEGIBLE,
PLEASE TYPEState of Wisconsin
Department of Natural Resources
Bureau of Waste Management
Box 8094
Madison, WI 53708

FOR DNR USE ONLY

Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-005

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WI D000120212	Manifest Document No. 014101012	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address REDEVELOPMENT AUTHORITY ATTN: ERIKA PAPE N8 W22350 JOHNSON ROAD WAUKESHA WI 53186		Site Location If Different CITY OF MILWAUKEE 2622-2624 WEST STATE STREET MILWAUKEE, WI 53233		A. State Manifest Document Number WIK187486	
4. Generator's Phone (262) 544-0118				B. State Generator's ID N/A	
5. Transporter 1 Company Name JACK GRAY TRANSPORTATION ENVIRONMENTAL		6. US EPA ID Number WI D080631369		C. State Transporter's ID 11240	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (262) 931-7000	
9. Designated Facility Name and Site Address ONYX ENVIRONMENTAL SERVICES W124 N9451 BOUNDARY RD. MEMMONEE FALLS WI 53051		10. US EPA ID Number WI D003967148		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID 03136	
				H. Facility's Phone (262) 255-6000	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit We/Vol
a. RG, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, NA3077, III, (D009)		001	CM	0.0020	Y
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above A) S/E 500350/CW05HMHZ (LEAD IMPACTED SOILS)		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information EMERGENCY NUMBER-INFO TRAC 1-800-535-5053 (P.O. #) A) ONLY, D008					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name & Position Title Erica Koushore Tsch. Redevelopment Authority		Signature [Signature]		Date Month Day Year 12/07/2004	
17. TRANSPORTER 1 Acknowledgement of Receipt of Materials		Printed/Typed Name & Position Title Thomas Ther...		Signature [Signature]	
18. TRANSPORTER 2 Acknowledgement of Receipt of Materials		Printed/Typed Name & Position Title		Signature	
19. Discrepancy Indication Space		TRANSPORTER CHANGED - TRANSPORTER PHONE: 973-347-7111			
20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name & Position Title ROBERT L. KANN JR. DISPL/SEC.		Signature [Signature]		Date Month Day Year 12/07/2004	

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution:

- 1 - Generator send to Wis. DNR
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Emergency 24 Hour Assistance

and Spill Reporting

Telephone Number: (800) 943-0003

COPY 5-

Copies 1 & 3 mail to Wis. DNR at above address.

Page 1 of 1

CUSTOMER INVOICE	
INVOICE DATE	INVOICE NUMBER
12/17/2004	430292103
DUE DATE IS 10 DAYS FROM INVOICE DATE	

For Billing Inquiries

Call ALLAN G. KOUNTZ at 1(262) 255-6655

Customer No. 521021

BILL TO: REDEVELOPMENT AUTHORITY

CITY OF MILWAUKEE

809 N BROADWAY

MILWAUKEE, WI 53202

DAVE MISKY

Generator No. 521022

JOB SITE: REDEVELOPMENT AUTHORITY

CITY OF MILWAUKEE

2622-2624 WEST STATE STREET

MILWAUKEE, WI 53233

DAVE MISKY

MANIFEST NUMBERS:

A WIK187485

B WIK187486

CUSTOMER P.O. NUMBER		SERVICE DATE RANGE		TERR.		
{none}		12/07/2004		W38		
DESCRIPTION		UOM	QTY	UNIT PRICE	EXTENSION	
560350	LEAD IMPACTED SOILS	CWD TON	23.95	\$110.00	\$2,634.50	
Misc.	TRANSP. MINIMUM (FLAT FEE)	EACH	2.00	\$350.00	\$700.00	
60350	LEAD IMPACTED SOILS	CWD TON	16.26	\$110.00	\$1,788.60	
TOTAL					\$5,123.10	

Onyx Environmental Services LLC is permitted for and has capacity to accept waste listed above in container quantities.

ALL PAST DUE AMOUNTS WILL BEAR INTEREST AT 1.5% PER MONTH OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS.

OFFICE COPY

PLEASE REMIT TO: DEPT. 73709, CHICAGO, IL 60673-7709



8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Kevin Bugel
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha, WI 53186

ORGANIC REPORT

BATCH NUMBER: 20050676
DATE REPORTED: 21-Feb-05
DATE RECEIVED: 26-Jan-05
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E9907009
PROJECT NAME:

Acenaphthylene	< 50	ug/kg	50	159	1	8270	445037560	2/7/2005 / 2/7/2005
Anthracene	70	ug/kg	64	204	1	J 8270	445037560	2/7/2005 / 2/7/2005
Benzo (a) anthracene	140	ug/kg	64	204	1	J 8270	445037560	2/7/2005 / 2/7/2005
Benzo (a) pyrene	157	ug/kg	70	223	1	J 8270	445037560	2/7/2005 / 2/7/2005
Benzo (b) fluornathene	265	ug/kg	50	159	1	8270	445037560	2/7/2005 / 2/7/2005
Benzo (ghi) perylene	< 97	ug/kg	97	309	1	8270	445037560	2/7/2005 / 2/7/2005
Benzo (k) fluoranthene	< 94	ug/kg	94	298	1	8270	445037560	2/7/2005 / 2/7/2005
Chrysene	154	ug/kg	45	143	1	8270	445037560	2/7/2005 / 2/7/2005
Dibenzo (a,h) anthracene	< 90	ug/kg	90	287	1	8270	445037560	2/7/2005 / 2/7/2005
Fluoranthene	247	ug/kg	50	159	1	8270	445037560	2/7/2005 / 2/7/2005
Fluorene	< 49	ug/kg	49	155	1	8270	445037560	2/7/2005 / 2/7/2005
Indeno (1,2,3-cd) pyrene	< 82	ug/kg	82	260	1	8270	445037560	2/7/2005 / 2/7/2005
Naphthalene	< 47	ug/kg	47	151	1	8270	445037560	2/7/2005 / 2/7/2005
Phenanthrene	114	ug/kg	24	75	1	8270	445037560	2/7/2005 / 2/7/2005
Pyrene	250	ug/kg	69	219	1	8270	445037560	2/7/2005 / 2/7/2005

Sample Number: 36113

QC Prep Batch Number: 1007912

Collection: 1/25/2005

Time: 8:00

Sample ID: GP12

% Solid = 85 %

Sample Description: 2-4

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Extract/Analyzed
1-methyl Naphthalene	< 44	ug/kg	44	138	1	8270	445037560		2/7/2005 / 2/7/2005
2-methyl Naphthalene	< 85	ug/kg	85	270	1	8270	445037560		2/7/2005 / 2/7/2005
Acenaphthene	< 48	ug/kg	48	153	1	8270	445037560		2/7/2005 / 2/7/2005
Acenaphthylene	< 49	ug/kg	49	157	1	8270	445037560		2/7/2005 / 2/7/2005
Anthracene	95	ug/kg	64	202	1	J 8270	445037560		2/7/2005 / 2/7/2005
Benzo (a) anthracene	159	ug/kg	64	202	1	J 8270	445037560		2/7/2005 / 2/7/2005
Benzo (a) pyrene	301	ug/kg	69	221	1	8270	445037560		2/7/2005 / 2/7/2005
Benzo (b) fluornathene	314	ug/kg	49	157	1	8270	445037560		2/7/2005 / 2/7/2005
Benzo (ghi) perylene	188	ug/kg	96	307	1	J 8270	445037560		2/7/2005 / 2/7/2005
Benzo (k) fluoranthene	109	ug/kg	93	296	1	J 8270	445037560		2/7/2005 / 2/7/2005
Chrysene	176	ug/kg	45	142	1	8270	445037560		2/7/2005 / 2/7/2005



Accredited by A2IA • ISO 9000 Compliant
Department of Natural Resources State Certified Laboratory #241340550

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Kevin Bugel
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha, WI 53186

ORGANIC REPORT

BATCH NUMBER: 20050676
DATE REPORTED: 21-Feb-05
DATE RECEIVED: 26-Jan-05
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E9907009
PROJECT NAME:

Dibenzo (a,h) anthracene	< 89	ug/kg	89	284	1	8270	445037560	2/7/2005 / 2/7/2005
Fluoranthene	306	ug/kg	49	157	1	8270	445037560	2/7/2005 / 2/7/2005
Fluorene	< 48	ug/kg	48	153	1	8270	445037560	2/7/2005 / 2/7/2005
Indeno (1,2,3-cd) pyrene	171	ug/kg	81	258	1	J 8270	445037560	2/7/2005 / 2/7/2005
Naphthalene	< 47	ug/kg	47	150	1	8270	445037560	2/7/2005 / 2/7/2005
Phenanthrene	151	ug/kg	24	75	1	8270	445037560	2/7/2005 / 2/7/2005
Pyrene	280	ug/kg	68	217	1	8270	445037560	2/7/2005 / 2/7/2005

Sample Number: 36114

QC Prep Batch Number: 1007912

Collection: 1/25/2005

Time: 8:00

Sample ID: GP13

% Solid = 88.2 %

Sample Description: 2-4

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Extract/Analyzed
1-methyl Naphthalene	< 42	ug/kg	42	133	1	8270	445037560		2/7/2005 / 2/7/2005
2-methyl Naphthalene	< 82	ug/kg	82	260	1	8270	445037560		2/7/2005 / 2/7/2005
Acenaphthene	< 46	ug/kg	46	148	1	8270	445037560		2/7/2005 / 2/7/2005
Acenaphthylene	< 48	ug/kg	48	152	1	8270	445037560		2/7/2005 / 2/7/2005
Anthracene	< 61	ug/kg	61	195	1	8270	445037560		2/7/2005 / 2/7/2005
Benzo (a) anthracene	< 61	ug/kg	61	195	1	8270	445037560		2/7/2005 / 2/7/2005
Benzo (a) pyrene	< 67	ug/kg	67	213	1	8270	445037560		2/7/2005 / 2/7/2005
Benzo (b) fluoranthene	< 48	ug/kg	48	152	1	8270	445037560		2/7/2005 / 2/7/2005
Benzo (ghi) perylene	< 93	ug/kg	93	296	1	8270	445037560		2/7/2005 / 2/7/2005
Benzo (k) fluoranthene	< 90	ug/kg	90	285	1	8270	445037560		2/7/2005 / 2/7/2005
Chrysene	< 43	ug/kg	43	137	1	8270	445037560		2/7/2005 / 2/7/2005
Dibenzo (a,h) anthracene	< 86	ug/kg	86	274	1	8270	445037560		2/7/2005 / 2/7/2005
Fluoranthene	< 48	ug/kg	48	152	1	8270	445037560		2/7/2005 / 2/7/2005
Fluorene	< 46	ug/kg	46	148	1	8270	445037560		2/7/2005 / 2/7/2005
Indeno (1,2,3-cd) pyrene	< 78	ug/kg	78	249	1	8270	445037560		2/7/2005 / 2/7/2005
Naphthalene	< 45	ug/kg	45	144	1	8270	445037560		2/7/2005 / 2/7/2005
Phenanthrene	< 23	ug/kg	23	72	1	8270	445037560		2/7/2005 / 2/7/2005
Pyrene	< 66	ug/kg	66	209	1	8270	445037560		2/7/2005 / 2/7/2005



Accredited by A2LA • ISO 9000 Compliant
Department of Natural Resources State Certified Laboratory #241340550

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



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Phone: (414) 355-5800 Fax: (414) 355-3099

Kevin Bugel
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha, WI 53186

ORGANIC REPORT

BATCH NUMBER: 20050676
DATE REPORTED: 21-Feb-05
DATE RECEIVED: 26-Jan-05
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E9907009
PROJECT NAME:

Sample Number: 36115

QC Prep Batch Number: 1007912

Collection: 1/25/2005

Time: 8:00

Sample ID: GP14

% Solid = 90.3 %

Sample Description: 2-4

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date	
									Extract/	Analyzed
1-methyl Naphthalene	< 41	ug/kg	41	130	1	8270	445037560		2/7/2005 /	2/7/2005
2-methyl Naphthalene	< 80	ug/kg	80	254	1	8270	445037560		2/7/2005 /	2/7/2005
Acenaphthene	< 45	ug/kg	45	144	1	8270	445037560		2/7/2005 /	2/7/2005
Acenaphthylene	< 47	ug/kg	47	148	1	8270	445037560		2/7/2005 /	2/7/2005
Anthracene	< 60	ug/kg	60	190	1	8270	445037560		2/7/2005 /	2/7/2005
Benzo (a) anthracene	< 60	ug/kg	60	190	1	8270	445037560		2/7/2005 /	2/7/2005
Benzo (a) pyrene	< 65	ug/kg	65	208	1	8270	445037560		2/7/2005 /	2/7/2005
Benzo (b) fluornathene	< 47	ug/kg	47	148	1	8270	445037560		2/7/2005 /	2/7/2005
Benzo (ghi) perylene	< 91	ug/kg	91	289	1	8270	445037560		2/7/2005 /	2/7/2005
Benzo (k) fluoranthene	< 87	ug/kg	87	278	1	8270	445037560		2/7/2005 /	2/7/2005
Chrysene	< 42	ug/kg	42	134	1	8270	445037560		2/7/2005 /	2/7/2005
Dibenzo (a,h) anthracene	< 84	ug/kg	84	268	1	8270	445037560		2/7/2005 /	2/7/2005
Fluoranthene	< 47	ug/kg	47	148	1	8270	445037560		2/7/2005 /	2/7/2005
Fluorene	< 45	ug/kg	45	144	1	8270	445037560		2/7/2005 /	2/7/2005
Indeno (1,2,3-cd) pyrene	< 76	ug/kg	76	243	1	8270	445037560		2/7/2005 /	2/7/2005
Naphthalene	< 44	ug/kg	44	141	1	8270	445037560		2/7/2005 /	2/7/2005
Phenanthrene	< 22	ug/kg	22	70	1	8270	445037560		2/7/2005 /	2/7/2005
Pyrene	< 64	ug/kg	64	204	1	8270	445037560		2/7/2005 /	2/7/2005



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Department of Natural Resources State Certified Laboratory #241340550

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.



8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

Kevin Bugel
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha, WI 53186

ORGANIC REPORT

BATCH NUMBER: 20050676
DATE REPORTED: 21-Feb-05
DATE RECEIVED: 26-Jan-05
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E9907009
PROJECT NAME:

Approved By: Wendy Hill Date: 2/14/05
Quality Control Manager

RQ Comment

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B

LOQ = $10 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range.

LOD = $3.143 (S) \times \text{Dilution Factor}$, where "S" is the Standard Deviation from the MDL Study

PAL: Preventive Action Limit; NR 140.10 Public health related groundwater standards. "ns" = not specified

RQ: Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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Mann-Kendall Statistical Test Form 4400-215 (2/2001)

State of Wisconsin Department of Natural Resources Remediation and Redevelopment Program

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Well Number = MW-5

Site Name : Former 2636 and 2622 through 2626 West State Street

BRRTS No. = 02-41-233634

Well Number = MW-5

Event Number	Sampling Date (most recent last)	Compound ->				Total Xylenes Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Benzene Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	Naphthalene Concentration (leave blank if no data)
		Benzene	Toluene	Ethylbenzene	Total Xylenes						
1	2-Mar-00	22.00	27.00	2,250.00	12,670.00	4,398.00	760.00				
2	20-Jun-00	12.00	9.00	1,960.00	9,403.00	5,148.00	979.00				
3	27-Oct-00	0.22	0.22	28.00	125.50	79.00	14.00				
4	28-Feb-01	0.97	0.22	25.00	107.70	10.00	8.30				
5	29-Aug-01	101.00	11.00	746.00	1,259.00	878.00	284.00				
6	4-Feb-05	74.00	8.40	313.00	833.00	898.00					
7											
8											
9											
10											
Mann Kendall Statistic (S) =		3.0	-4.0	-7.0	-7.0	-3.0	-4.0				
Number of Rounds (n) =		6	6	6	6	6	5				
Average =		35.03	9.31	887.00	4066.37	1901.83	409.06				
Standard Deviation =		42.291	9.818	983.807	5514.338	2268.308	441.676				
Coefficient of Variation(CV)=		1.207	1.055	1.109	1.356	1.193	1.080				

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	DECREASING	DECREASING	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	CV > 1 NON-STABLE	NA	NA	CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE

Data Entry By = E.P.

Date = 22-Jul-05

Checked By = K.B.

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

**Mann-Kendall Statistical Test
Form 4400-215 (2/2001)**

Notice: This form is the DNK supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name : Former 2636 and 2622 through 2626 West State Street		BRTS No. = 02-41-233634		Well Number = MW-6		
Compound ->	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total TMB	Naphthalene
Event Number	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	563.00	449.00	1,550.00	5,154.00	983.00	197.00
2	347.00	252.00	722.00	2,231.00	449.00	85.00
3	5.80	3.20	13.00	35.30	1.10	0.60
4	0.22	0.22	1.20	5.30	0.63	0.60
5	356.00	110.00	535.00	1.10	208.00	50.00
6	105.00	32.00	205.00	0.74	96.00	
7						
8						
9						
10						
Mann Kendall Statistic (S) =	-5.0	-7.0	-7.0	-15.0	-7.0	-5.0
Number of Rounds (n) =	6	6	6	6	6	5
Average =	229.50	141.07	504.37	1237.91	289.62	66.64
Standard Deviation =	227.659	178.233	587.519	2114.137	378.705	81.133
Coefficient of Variation(CV)=	0.992	1.263	1.165	1.708	1.308	1.217

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	NA	NA	NA	NA
Data Entry By = E.P.	Date = 22-Jul-05	Checked By = K.B.			