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

Case Closure - GIS Registry

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.). Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided.

Site Information

BRRTS No.	VPLE No.		
02-41-556811			
Parcel ID No.			
20-70-833000			
FID No.	**WTM Coordinates**		
	X	Y	
241417330	687027	294558	
BRRTS Activity (Site) Name	**WTM Coordinates Represent:**		
Lloyd's Cleaners	☐ Source Area	☒ Parcel Center	
Site Address	**City**	**State**	**ZIP Code**
4837 North Teutonia Avenue	Milwaukee	WI	53209
Acres Ready For Use			
0.5			

Responsible Party (RP) Name			
Thomas Anderson			
Company Name			
Lloyds Cleaners			
Mailing Address	**City**	**State**	**ZIP Code**
12340 NE Shoreland Drive	Mequon	WI	53092
Phone Number	**Email**		
(414) 405-4399			

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

Environmental Consultant Name			
Wayne Fassbender			
Consulting Firm			
EnviroForensics, LLC			
Mailing Address	**City**	**State**	**ZIP Code**
N16 W23390 Stone Ridge Drive	Waukesha	WI	53188
Phone Number	**Email**		
(414) 982-3988	wfassbender@enviroforensics.com		

Fees and Mailing of Closure Request

1. **Send a copy of page one** of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR Regional EPA (Environmental Program Associate) at **http://dnr.wi.gov/topic/Brownfields/Contact.html#tabx3**. Check all fees that apply:

   ☒ $1,050 Closure Fee

   ☒ $350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)

   ☒ $300 Database Fee for Soil

   Total Amount of Payment $ $1,700.00

   ☐ Resubmittal, Fees Previously Paid

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

Site Summary

If any portion of the Site Summary Section is not relevant to the case closure request, you must fully explain the reasons why in the relevant section of the form. All information submitted shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.
The Site encompasses 0.43 acres and is improved with a one story, 7,662 square foot commercial building with a partial basement and asphalt/concrete parking and driveway areas. The Site is occupied by a drop-off facility for clothes dry cleaned elsewhere and has an attached coin-operated laundromat. There are no surface water features or private wells on the Site. The Site is bound by commercial property to the north; N. Teutonia Avenue to the east; a commercial property (gasoline service station) to the south; and an industrial property (Benz Oil) to the west. The surrounding area consists of a mix of residential and commercial properties.

B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.
The Site was operated by others as an active dry cleaning facility from the early 1960's until 1981, when current owner Tom Anderson bought the property now known as Lloyd's Cleaners. Tetrachloroethene (PCE) was historically used as a dry cleaning solvent at this property until 2011, when Mr. Anderson discontinued active dry cleaning. According to Mr. Anderson, during active operations there was a 55-gallon drum of PCE in the basement area that was accessed periodically to top off product within the dry cleaning machine. The Site is currently used as a drop-off location for clothes dry cleaned elsewhere.

C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
Site is zoned commercial based on the Milwaukee zoning map and the property record.

D. Describe how and when site contamination was discovered.
A release of PCE to the subsurface was identified during due diligence activities performed by Sigma on December 10, 2010.

E. Describe the type(s) and source(s) or suspected source(s) of contamination.
The contaminants of concern at the Site are the dry cleaning solvent PCE and its degradation products. PCE was the main dry cleaning solvent used in the cleaning process until its use was discontinued in 2011. PCE was detected in subsurface soil, indicating a release of PCE at the Site. The suspected sources of contamination are leaks from the sanitary and storm sewer laterals (which were replaced during remediation) and releases to the basement floor from the PCE above-ground storage tank formerly located in the basement.

F. Other relevant site description information (or enter Not Applicable).
Not applicable.

G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.
02-41-556811 LLOYDS CLEANERS

H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.
03-41-003731 AKAL QUICK MART
03-41-001065 BENZ OIL
02-41-206849 BENZ OIL
03-41-247265 BENZ OIL
03-41-004481 LAKESIDE OIL CO INC

2. General Site Conditions

A. Soil/Geology

i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Site is underlain by relatively uniform, stiff, moist clay. The clay is brown in color to a depth of approximately 13 feet below ground surface (bgs) where the color changes to gray. The clay continues to at least 28 feet bgs, which represents the maximum boring depth completed. Three (3) very thin (i.e., approximately one-inch) sand and gravel seams were logged at depths of 6.5, 17.5 and 19.0 feet deep; however, the coarser grained layers are discontinuous across the site.

ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
No unlicensed fill or waste deposits were identified. Source area soil within the basement and to the east of the site along the water, sanitary, and storm laterals have been removed. The exterior excavation extended to depth of 5 to 13 feet deep and and was backfilled with compactable fill. A portion of the basement was excavated to a depth of about one foot below grade and was backfilled with pea gravel to support sub-slab venting.

iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.
Bedrock was not encountered.

iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).
The site is entirely covered by the building and asphalt, with the exception of a narrow strip of grass between the east edge of the parking lot and North Teutonia Ave.

B. Groundwater

i. Discuss depth to groundwater and piezometric elevations. Describe and explain depth variations, including high and low water table elevation and whether free product affects measurement of water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.
Saturated conditions were not observed during installation of the groundwater monitoring well nests. However, all wells/piezometers eventually produced water between one (1) week and one (1) year following installation. A consistent water table elevation was not identified at the Site. The water table varied between 5 and 13 feet below ground surface. The piezometric surface was encountered at 12 to 23 feet below ground surface depending on location. Free product was not observed in any of the monitoring wells.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.
Groundwater flow directions were not established due to inconsistent groundwater elevations.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.
Due to the fine grained soils present at the site and slow recharged of monitoring wells during groundwater sampling, hydraulic conductivity was not obtained.

iv. Identify and describe locations/distance of potable and/or municipal wells within 1200 feet of the site. Include general summary of well construction (geology, depth of casing, depth of screened or open interval).
No potable or municipal wells are within 1200 feet of the site.

3. Site Investigation Summary

A. General

i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.
A release of PCE to the subsurface was identified during due diligence activities performed by Sigma on December 10, 2010. The release was subsequently reported to the WDNR as required by Section 292.11 of Wisconsin Statutes.

Investigations to determine the extent and magnitude of subsurface impacts were performed by EnviroForensics starting July 2011 through present. A chronological history of investigation activities is as follows:

December 2010
-Sigma collected one (1) soil sample (GP-1) within the basement, and one sample from each of four (4) borings (GP-2 through GP-5) outside the building.
-One (1) grab-groundwater sample was collected from each of three (3) borings (GP-2 through GP-4).

July 2011
-One (1) soil sample was collected from each of five (5) exterior soil borings (DP-6 through DP-10).
-Grab-groundwater samples were collected from two (2) exterior borings (DP-9 and DP-10)
-One (1) soil sample and one (1) groundwater sample were collected from one (1) basement hand auger boring (HA-1).

February/March 2013
-A total of 11 soil samples were collected from five (5) exterior soil borings (DP-11 through DP-15).
-A total of 12 soil samples were collected from four (4) basement hand auger borings (HB-1 through HB-4).
-One (1) grab-groundwater sample was collected from each of two (2) basement hand auger borings (HB-1 and HB-3), and two (2) water samples were collected from boring HB-4.
-Three (3) water table monitoring wells (MW-1 through MW-3) and one (1) peizometer well (PZ-1) were installed.
-Soil gas samples were collected from SG-1 and SG-2.
-Three (3) sub-slab vapor samples were collected from the slab-on-grade laundromat part of the building.

February 2014
-Two (2) peizometers (PZ-2 and PZ-3) were installed.

The interim remedial action, which consisted of soil excavation and replacement of sanitary sewer, storm sewer, and

water service laterals, was performed during April and May, 2014. A new perimeter drain system was installed along the south and west walls of the basement, the sump was abandoned, and a new sump was installed and connected to the perimeter drain system. An Interim Remedial Action Report was submitted on August 28, 2014.

July 2014
-Six (6) soil samples were collected from five (5) exterior soil borings (DP-16 through DP-19).
-Two (2) soil gas samples were collected at SG-3 and SG-4.
-Five (5) sub-slab vapor samples were collected from the beneath the slab-on-grade and basement in the dry cleaning part of the building.

March 2015
-Sub-slab vapor samples SSV-9 and SSV-10 were collected at the adjacent Benz Oil property.

Five (5) groundwater sampling events were performed between May 2013 and April 2015.

The site investigation report was submitted in August 2015.

November 2016
-Seven (7) soil samples were collected from seven (7) basement hand auger borings (HB-5 through HB-11).

Additional basement excavation activities were performed in February 2017. During that time, one foot of soil was excavated from underneath part of the basement slab, a new concrete floor was replaced, two floor drains were cleaned, and two (2) four inch PVC piping were installed for use in a sub-slab depressurization system (SSDS). These additional remedial actions are provided in report format and included in Attachment C.

ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.

Soil impacts are limited to the Site with the exception of location DP-17 (3 feet bgs) located on the adjacent property to the south (Akal Quick Mart - 4811 N. Teutonia Ave) and city of Milwaukee right-of-way (i.e., beneath the sidewalk and terrace along N. Teutonia Ave).

The shallow DP-17 soil sample collected at 4811 N. Teutonia Ave contained 650 µg/kg PCE, which is well below the direct-contact residual contaminant level (RCL) for a commercial property. A deeper sample at the same location did not exhibit impacts.

Several post-remediation soil samples collected from the right-of-way contained volatile organic compounds (VOCs) at concentrations below direct-contact RCLs. The impacts are associated with leaky sewer laterals that were replaced, and meet the main lines in the terrace. Contamination likely does not extend beyond the N. Teutonia Ave curb. Residual contamination is present below the new pipes; however, the native clay limits vertical migration. Soil-gas samples collected north and south along the sanitary main did not contain VOC vapors above risk levels.

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

The outside area of excavation could not extend beneath the site building footing on the east side, which could compromise the structure. The extent of impacts outside the partial basement to the west could not be investigated because there are multiple buried natural gas and electrical utilities in this area, which is also a narrow and constricted space. Conventional drilling is impossible in this area and the use of hand-augers creates an unacceptable risk of contacting electrical supply lines. The slab-on-grade portion of the dry cleaner building, and the asphalt parking lot are considered performance standard barriers for protection of the groundwater pathway.

B. Soil

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

Soil contamination was detected below the basement slab and outside the building, primarily along the sanitary and storm sewer laterals. It is likely that PCE contamination beneath the basement slab is due to the occasional spillage of PCE during product transfers from aboveground vessels located in the basement. The spilled PCE may have entered the foundation through the joint between the concrete floor slab and the concrete block wall, or possibly through leaky floor drains. The locations of the laterals outside of the building foundation were traced and found to be coincident with the highest concentrations of soil impacts detected. Based on site data collected to date, the leaky sewer laterals were determined to be the likely sources of exterior subsurface solvent impacts. PCE concentrations as high as 217 milligrams per kilogram (mg/kg) were detected along the sanitary sewer lateral. In the basement near the location of the former solvent AST, the PCE concentrations in soil was 18 mg/kg.

The lateral extent of soil impacts is mainly limited to fill beneath the building foundation and the sanitary and storm lateral utility trenches due to the surrounding native clay soil. Vertical migration in soil is limited to approximately

14-15 feet in outside areas and to just below the fill (10 feet) in basement areas due to the low permeability of native clay soil.

The vast majority of the impacted soil on the exterior of the building was excavated during interim remedial actions and transported to permitted disposal facilities. Likewise, impacted soil from beneath the basement slab was excavated and transported off-site for disposal during installation of the vapor mitigation system.

ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.
In general, soil impacts are greater than four feet below ground surface. One (1) soil sample collected at DP-14 from a depth of between 2-4 feet contained PCE at a concentration of 3,700 ug/kg and one (1) sample at DP-17 from a depth of 3 feet contained PCE at a concentration of 650 ug/kg.

iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/ information in Attachment C.
The RCLs used at this site were calculated according to the procedures described in publication RR-890 using default input parameters.

C. Groundwater

i. Describe degree and extent of groundwater contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.
Of the five (5) grab groundwater samples collected, only GP-3, located near the southeast corner of the Site building, contained VOCs at concentrations above enforcement standards (ESs). GP-3 contained PCE [58 micrograms per liter (µg/L)], TCE (trichloroethene - 22 µg/L), and vinyl chloride (11.1 µg/L). Monitoring well nest MW-1/PZ-1 was installed near the GP-3 location to confirm and monitor groundwater impacts.

PCE, TCE and cis-1,2-DCE were detected in groundwater samples collected from permanent monitoring wells and piezometers at the Site. However, the concentrations of these compounds were below ESs in all samples collected from the monitoring wells and piezometers.

Water samples collected from basement borings HB-1, HB-3, and HB-4 contained PCE, TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride at concentrations exceeding their respective ESs. The highest PCE concentrations of 1,000 ug/L and 970 ug/L were detected in samples collected from boring HB-4, located along the west wall of the basement. The basement water samples are representative only of precipitation that accumulates in the fill beneath slab.

The initial basement water sample result at HA-1-V (PCE = 5,780,000 ug/L) could not be duplicated in subsequent samples. The PCE concentration in a sample collected from the same location two years later was only 38 ug/L. The reason for this discrepancy has not been determined but may be related to flushing of the residual PCE in the foundation fill. The backfill and one foot of native clay soil in that area was removed during installation of the perimeter drain system.

ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Identify the depth and location of the smear zone.
Free product was not observed.

D. Vapor

i. Describe how the vapor migration pathway was assessed, including locations where vapor, soil gas, or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.
Sub-slab vapor and soil gas samples were collected to assess the vapor intrusion pathway. Indoor air samples were not collected from inside of the dry cleaner building because even though the building is a drop-off and pick up center clothes are currently dry cleaned elsewhere using PCE. Off-gassing of residual PCE from the cleaned clothes could have skewed the results of indoor air samples.

The sub-slab vapor and soil gas samples were collected using 1-liter sample vacuum canisters according to the procedures presented in WDNR guidance document PUB-RR-800. All appropriate quality control procedures, including leak detection and vacuum testing, were performed prior to sample collection.

Soil gas samples SG-1 and SG-2 were collected near the natural gas and sanitary sewer laterals, respectively. Sample SG-1 did not contain the contaminants of concern. Sample SG-2, which was collected along the eastern Site boundary, contained several compounds at concentrations above detection limits, including PCE (1,640 µg/m3) and TCE (17.9 µg/m3). The concentrations of all compounds detected in soil gas samples were below the applicable VRSLs.

Two samples (SG-3 and SG-4) were collected along the sanitary sewer main in the terrace of N. Teutonia Avenue at a depth of 10-feet bgs. A relatively low concentration of PCE (161 µg/m3) was detected in the SG-3 sample, and VOCs were not detected in the SG-4 sample.

The sub-slab vapor samples collected from the slab-on-grade portion of the Site building (SSV-1 through SSV-6) each contained PCE at concentrations ranging from 4.88 to 1,790 µg/m3. These concentrations are less than the VRSL of 6,000 µg/m3. Lesser concentrations of TCE were also detected in some of the slab-on-grade samples. Benzene was detected at a concentration just above the reporting limit in sample SSV-6, which was collected at the north end of the building. The source of benzene in the sample is unknown.

The sub-slab vapor samples collected from the neighboring Benz Oil building (SSV-9 and SSV-10) contained only PCE. The concentrations were 57.0 and 84.8 µg/m3, respectively, which are well below the VRSL.

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

The sub-slab vapor analytical results were compared to residential, small commercial, and industrial vapor risk screening levels (VRSLs), as appropriate for the use of the structure. The levels are based on US EPA's regional screening levels with an attenuation factor of 0.03 for sub-slab vapor samples and 0.01 for soil gas samples. A 0.1 adjustment for a 1 x 10-5 lifetime cancer risk for carcinogens is also applied based on WDNR guidance.

The vapor samples collected from beneath the basement slab (SSV-7 and SSV-8) contained PCE, TCE, cis-1,2-DCE, and vinyl chloride. The TCE concentration exceeded the VRSL in sample SSV-7, and the vinyl chloride concentration exceeded the VRSL in sample SSV-8. SSV-7 exhibited the highest concentrations of TCE (501 µg/m3) and vinyl chloride (20,500 µg/m3).

E. Surface Water and Sediment

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

Surface water features are not present on the site or adjacent properties.

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

Not applicable

4. Remedial Actions Implemented and Residual Levels at Closure

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

An interim remedial action was conducted in 2014 and consisted of soil excavation and off-site disposal, as well as installation of a perimeter drain and sump in the basement. Soil sampling was performed in advance to define the horizontal and vertical extent of the excavation area, and to characterize waste. Soil was excavated along the sanitary and storm sewer laterals from the east building wall to N. Teutonia Ave. The sewer and water pipes were also replaced. Hazardous and non-hazardous waste was segregated in roll-off containers and transported to permitted disposal facilities. The excavation was backfilled and the asphalt was replaced. In the basement of the site building, soil was excavated along the south and west building walls, and perforated drain pipe was installed, leading to a new sump. The sump discharges water to the sanitary sewer under permit issued by the Milwaukee Metropolitan Sewerage District (MMSD). An Interim Remedial Report dated August 28, 2014 was submitted to WDNR.

Additional remedial actions were performed in the basement of the building during 2017. The Remedial Action Report is presented in Attachment C.4.

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

Initial excavating was performed outside the building at the location where the water, storm, and sanitary sewer laterals exited from beneath the building and in City of Milwaukee right-of-way where they connected to mains adjacent to N. Teutonia Avenue. During this initial excavation, the area of hazardous soil was removed and placed in covered roll-offs for transport and disposal at the EQ landfill located in Michigan. A 60-mil rubber liner was installed near the Site property boundary in close proximity to the sanitary sewer man-way and also at the storm sewer lateral connection to inhibit potential future migration of residual contaminants to utility mains along N. Teutonia Avenue. The storm, sanitary, and water laterals were replaced with code-compliant materials under permit and inspection by the City of Milwaukee and MMSD. Backfill consisted of medium-grained sand with some silt, clay, and trace gravel. The fines in this material allowed the backfill to be compacted tightly. 668 tons of contaminated soil was transported off-site for disposal, comprising approximately 12 pounds of VOCs.

The basement foundation drainage was improved by installing a new drain pipe along the west wall and re-plumbing this foundation drainage to the sanitary sewer system to avoid continued discharge of contaminated foundation water to the

storm sewer system. Portions of the concrete slab within the basement were saw-cut and removed and staged for disposal as special solid waste. Hazardous foundation fill material was excavated using hydrovac equipment. The contaminated basement fill was also placed in covered roll-offs for transport and disposal at the EQ landfill as hazardous waste. Sub-slab fill and a small amount of native clay was removed to a depth of 0.75 feet using hydrovac equipment. A flexible 4" perforated drainage pipe was installed within this trench. The drainage pipe was bedded in ¾" crushed dolomite, which was washed to remove fines. Weep holes were drilled in the block wall all along the base of the footing to facilitate drainage of foundation water built up within the wall. A plastic drain plate was then affixed to the wall to channel this water into the collection trench. The drainage plate was then covered with fill and new concrete was laid. The old, damaged, basement sump crock was abandoned by filling with crushed stone, and the slab repaired with concrete. A new, sealed, sump crock with pump was installed closer to the west wall.

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

Remedial actions consisted of excavation only. No systems were installed other than an SSDS in the basement of the site building.

In addition to the interim action described in Section 4B, excavation was also conducted in the basement of the site building to facilitate installation of an SSDS. Excavating was performed in an area comprising a main storage room, two (2) bathrooms, and a hallway in the basement. The other areas of the basement, including an office, secondary storage room, and mechanical room were not targeted for remediation based on past investigation results.

The concrete slab was saw-cut around the perimeter of the excavation area, and the slab itself was broken into pieces by jackhammer. The concrete pieces were loaded onto a conveyor system that moved material up the stairs and outside to a staging area on the south side of the building. The limited fill material beneath the floor slab and native clay soil was removed by hand to a depth of approximately 12 inches below the bottom of the slab. Soil was also transported by the conveyor system to the staging area. All soil excavated from the basement was loaded into dump trucks and sent to the Waste Management Orchard Ridge Landfill in Menomonee Falls, Wisconsin. A total of 15.27 tons of excavated material was managed and disposed of as special solid waste.

The excavation area was backfilled with pea gravel. Two lengths of 4-inch diameter perforated PVC vent pipes were bedded within the pea gravel to facilitate sub-slab venting. The pipe was wrapped in filter fabric to prevent entry of soil particles. A vapor barrier (6-mil sheet plastic) was placed on top of the pea gravel. The concrete slab was replaced to an equivalent thickness as the existing slab, having an approximate thickness of 4-5-inches. In addition, a concrete barrier was poured immediately adjacent to the previously installed drain tile along the west basement wall. In that area, the concrete is now 14-inches thick and is intended to prevent groundwater in the foundation drain tile from entering into the excavation backfill.

An SSDS was installed in the basement, utilizing the two (2) horizontal vent pipes installed within the excavation backfill, one (1) vertical extraction point along the north wall of the mechanical room, and the sealed sump crock for the purpose of venting the drainage tile and block wall. The pipes are manifolded, and a single 4-inch diameter PVC pipe is routed to the roof through an unused pipe chase in the mechanical room. The pipe is connected to a RadonAway Model GP-501 fan mounted on the roof. The post-installation pressure field extension testing indicated that the system applies negative pressure across the entire main room and mechanical room of the basement where elevated vapor concentrations were previously detected.

Remedial activities also included cleaning floor drains and sealing the west basement block wall. Two (2) floor drains were cleaned by plumbers using a drain auger followed by flushing with water. The post-cleaning photo-ionization detector readings collected from the floor drains demonstrated that the cleaning procedure removed the source of vapors. The west block wall of the basement was sealed to mitigate potential vapor movement from the wall to indoor air. Sealing included using mortar or expanding foam to patch holes and cracks; caulking the joint between the base of the wall and the floor slab; and applying two (2) layers of elastomeric rubberized coating.

D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.

The interim action excavation was done under NR 708. Sustainability of the action was not specifically considered. However, characterizing soil in advance allowed for minimizing shipment of hazardous waste.

E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.

Residual soil contamination above soil to groundwater RCLs is present within the remedial excavation areas and likely under the slab-on-grade portion of the building along the sanitary sewer lateral. There is also an area of soil impact on the south side of the building, extending onto the neighboring property to the south. There are no direct-contact exceedences remaining.

The only area of residual groundwater contamination exceeding ESs is along the basement foundation. Preventive action limits (PALs) are exceeded under the building and parking lot west of the building.

Impacted vapor exists under the basement floor slab. An SSDS was installed to mitigate vapor intrusion risk, along with wall repair and sealing.

F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.
The residual soil contaminant concentrations are below direct contact RCLs.

G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.
Residual soil impacts above the soil to groundwater RCL exist along the sidewalls and floor of the outside excavation area, and under the slab-on-grade portion of the dry cleaner building, specifically along the sanitary sewer lateral. All floor and sidewall sample results were less than direct-contact RCLs. The highest PCE concentrations were 88 mg/kg near the east building wall, and 97 mg/kg in the N. Teutonia Ave Right-of-way. The concentrations detected at the vast majority of other sample locations were orders of magnitude lower. A second area of residual soil impact is on the south side of the building, extending onto the neighboring property to the south. The highest off-site PCE concentration detected was 0.650 mg/kg.

H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.
Soil impacts appear limited in depth to the lean clay horizon at approximately 13 feet bgs indicating that the clay is acting as a barrier to vertical migration. Foundation water is being collected and discharged to the MMSD sanitary sewer system. Groundwater in outside areas has not had impacts above the ES. Concentrations of CVOC's in sump discharge water are monitored at least twice per year per MMSD requirements. Sump concentrations have decreased dramatically since implementing basement remedial measures, and it is hopeful that concentrations will reach levels below the ES at which point discharge to the storm sewer system may be possible. In addition, future vapor intrusion assessments will be performed to determine the continued need for mitigation.

An engineered cover (i.e., the portion of the building used as a drop-off for dry cleaned goods and the asphalt parking lot) will be maintained as a performance standard barrier to protect against infiltration of storm water and subsequent "flushing" of soil impacts to the water table.

The sub-slab depressurization system will be operated and maintained to mitigate vapor intrusion risk.

I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).
Natural attenuation is not being used to remedy goundwater impacts along the west basement foundation.

J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).
The contaminant soil sources were excavated, and there is no remaining direct-contact risk. Groundwater is not used as a resource at the site or surrounding area, and the drainage collection system includes a sealed sump crock. The vapor intrusion pathway was addressed by repairing and sealing the west basement block wall and installing an SSDS. The pressure field extension measurements demonstrate that the SSDS induces a negative pressure under the entire affected area.

K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
Not applicable.

L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.
PCE, TCE and cis-1,2-DCE were detected in groundwater samples collected from monitoring wells and piezometers at the Site. None of these compounds were detected at concentrations above ESs at any time during the investigation. Concentrations of CVOCs in groundwater along the basement foundation currently exceed ESs; however, the results of recent sump discharge samples indicate rapidly decreasing concentrations.

Monitoring well MW-1, located near the southeast corner of the building, consistently exhibited PCE and TCE at concentrations above the PALs but below the ESs of 5 µg/L. Likewise, nested piezometer PZ-1 exhibited intermittent detections of PCE and TCE. Samples collected from monitoring well MW-2 yielded PCE only, with concentrations ranging from 1 to 1.2 µg/L. There were no CVOCs detected in samples collected from monitoring wells PZ-1, MW-3, or PZ-3. We request a PAL exemption, because there remain groundwater concentrations exceeding the PAL in some of the wells. However, there is little potential for off-site migration due to clay soil, and there are significant degradation products of PCE detected in soil and groundwater samples that indicate that the sub-surface environment is under reducing conditions that are favorable to the continued degradation of the residual concentrations of CVOC's.

M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.
Sub-slab vapor samples SSV-11 and SSV-12, collected from the basement, contained PCE and/or TCE at concentrations above screening levels for a small commercial building. A sub-slab depressurization system was installed, and will be operated and maintained to mitigate the vapor intrusion risk.

N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.
Not applicable.

5. Continuing Obligations: Situations where sites, including all affected properties and rights-of-way (ROWs), are included on the DNR's GIS Registry. In certain situations, maintenance plans are also required, and must be included in Attachment D.
Directions: For each of the 3 property types below, check all situations that apply to this closure request.
(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

	This situation applies to the following property or Right of Way (ROW):			Case Closure Situation - Continuing Obligation Inclusion on the GIS Registry is Required (ii. - xiv.)	Maintenance Plan Required
	Property Type:				
	Source Property	Affected Property (Off-Source)	ROW		
i.	☐	☐	☐	None of the following situations apply to this case closure request.	NA
ii.	☐	☐	☐	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	☒	☒	☒	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	☒	☐	☐	• Not Abandoned (filled and sealed)	NA
	☐	☐	☐	• Continued Monitoring (requested or required)	Yes
v.	☐	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	☒	☐	☐	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	☒	☐	☐	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	☐	☐	☐	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	☒	☐	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	☐	☐	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	☒	☐	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii	☒	☒	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	☒	☐	☐	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	☐	☐	☐	Site-specific situation: (e. g., fencing, methane monitoring, other) (*discuss with project manager before submitting the closure request*)	Site specific

6. Underground Storage Tanks

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

B. Do any upgraded tanks meeting the requirements of ch. ATCP 93, Wis. Adm. Code, exist on the property? ○ Yes ◉ No

C. If the answer to question 6.B. is yes, is the leak detection system currently being monitored? ○ Yes ○ No

General Instructions

All information shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected. For each attachment (A-G), provide a Table of Contents page, listing all 'applicable' and 'not applicable' items by Closure Form titles (e.g., A.1. Groundwater Analytical Table, A.2. Soil Analytical Results Table, etc.). If any item is 'not applicable' to the case closure request, you must fully explain the reasons why.

Data Tables (Attachment A)

Directions for Data Tables:

- Use **bold** and italics font for information of importance on tables and figures. Use **bold** font for ch. NR 140, Wis. Adm. Code ES attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, PAL attainments or exceedances.
- Use **bold** font to identify individual ch. NR 720 Wis. Adm. Code RCL exceedances. Tables should also include the corresponding groundwater pathway and direct contact pathway RCLs for comparison purposes. Cumulative hazard index and cumulative cancer risk exceedances should also be tabulated and identified on Tables A.2 and A.3.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e., do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (3)(c), Wis. Adm. Code, in the format required in s. NR 716.15(4)(e), Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Soil Analytical Results Table, etc.).
- For required documents, each table (e.g., A.1., A.2., etc.) should be a separate Portable Document Format (PDF).

A. Data Tables

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

A.2. **Soil Analytical Results Table(s):** Table(s) showing **all** soil analytical results and collection dates. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated).

A.3. **Residual Soil Contamination Table(s):** Table(s) showing the analytical results of only the residual soil contamination at the time of closure. This table shall be a subset of table A.2 and should include only the soil sample locations that exceed an RCL. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated). Table A.3 is optional only if a total of fewer than 15 soil samples have been collected at the site.

A.4. **Vapor Analytical Table(s)**: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.

A.5. **Other Media of Concern (e.g., sediment or surface water)**: Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, and time period for sample collection.

A.6. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.

A.7. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11 x 17 inches, in a PDF readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(4), 726.09(2) and 726.11(3), (5) and (6), Wis. Adm. Code.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.
- Maps, figures and photos should be dated to reflect the most recent revision.

B.1. Location Maps

B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.

B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for all affected properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.

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

B.2. Soil Figures

B.2.a. **Soil Contamination:** Figure(s) showing the location of **all** identified unsaturated soil contamination. Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720.Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedances (0-4 foot depth).

B.2.b. **Residual Soil Contamination:** Figure(s) showing only the locations of soil samples where unsaturated soil contamination remains at the time of closure (locations represented in Table A.3). Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720 Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedence (0-4 foot depth).

B.3. Groundwater Figures

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

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

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

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

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

B.4. Vapor Maps and Other Media

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

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

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

B.5. Structural Impediment Photos: One or more photographs documenting the structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request. The photographs should document the area that could not be investigated or remediated due to a structural impediment. The structural impediment should be indicated on Figures B.2.a and B.2.b.

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc.).
- If the documentation requested below has already been submitted to the DNR, please note the title and date of the report for that particular document requested.

C.1. **Site investigation documentation,** that has not otherwise been submitted with the Site Investigation Report.

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

C.3. Provide a **description of the methodology** used along with all supporting documentation if the RCLs are different than those contained in the Department's RCL Spreadsheet available at: http://dnr.wi.gov/topic/Brownfields/Professionals.html.

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

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

C.6. **Other**. Include any other relevant documentation not otherwise noted above (This section may remain blank).

Maintenance Plan(s) and Photographs (Attachment D)

Directions for Maintenance Plans and Photographs:

Attach a maintenance plan for each affected property (source property, each off-source affected property) with continuing obligations requiring future maintenance (e.g., direct contact, groundwater protection, vapor intrusion). See Site Summary section 5 for all affected property(s) requiring a maintenance plan. Maintenance plan guidance and/or templates for: 1) Cover/barrier systems; 2) Vapor intrusion; and 3) Monitoring wells, can be found at: http://dnr.wi.gov/topic/Brownfields/Professionals.html#tabx3

D.1. **Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:**

- Provide brief descriptions of the type, depth and location of residual contamination.

- Provide a description of the system/cover/barrier/monitoring well(s) to be maintained.
- Provide a description of the maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- Provide contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.

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

D.3. **Photographs** for site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.

D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter. The inspection and maintenance log is found at: http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf.

Monitoring Well Information (Attachment E)

Directions for Monitoring Well Information:
For all wells that will remain in use, be transferred to another party, or that could not be located; attach monitoring well construction and development forms (DNR Form 4400-113 A and B: http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf)

Select One:

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

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

○ ***Select One or More:***

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

☐ One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason (s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.

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

Source Legal Documents (Attachment F)

Directions for Source Legal Documents:
Label documents with the specific closure form titles (e.g., F.1. Deed, F.2. Certified Survey Map, etc.). Include all of the following documents, in the order listed:

F.1. **Deed:** The most recent deed with legal description clearly listed.

Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

F.2. **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.

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

F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

Notifications to Owners of Affected Properties (Attachment G)

Directions for Notifications to Owners of Affected Properties:
Complete the table on the following page for sites which require notification to owners of affected properties pursuant to ch. 292, Wis. Stats. and ch. NR 725 and 726, Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31- 19.39,Wis. Stats.]. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) lists specific notification requirements http://dnr.wi.gov/files/PDF/pubs/rr/RR606.pdf.

State law requires that the responsible party provide a 30-day, written advance notification to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned. Use form 4400-286, Notification of Continuing Obligations and Residual Contamination, at http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf

Include a copy of each notification sent and accompanying proof of delivery, i.e., return receipt or signature confirmation. (These items will not be placed on the GIS Registry.)

Include the following documents for each property, keeping each property's documents grouped together and labeled with the letter G and the corresponding ID number from the table on the following page. (Source Property documents should only be included in Attachment F):

- **Deed:** The most recent deed with legal descriptions clearly listed for all affected properties.
  Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Notifications to Owners of Affected Properties (Attachment G)

ID	Address of Affected Property	Parcel ID No.	Date of Receipt of Letter	Type of Property Owner	WTMX	WTMY	Reasons Notification Letter Sent: Residual Groundwater Contamination = or > ES	Residual Soil Contamination Exceeds RCLs	Monitoring Wells: Not Abandoned	Monitoring Wells: Continued Monitoring	Cover/Barrier/Engineered Control	Structural Impediment	Industrial RCLs Met/Applied	Vapor Mitigation System(VMS)	Dewatering System Needed for VMS	Compounds of Concern in Use	Commercial/Industrial Vapor Exposure Assumptions Applied	Residual Volatile Contamination Poses Future Risk of Vapor Intrusion	Site Specification Situation
A	City of Milwaukee Right-of-Way	NA	06/26/2017	ROWH	687023	294522		X											
B	4811 N. Teutonia Avenue	20-70-743210	06/26/2017	APO	687035	294566		X											
C																			
D																			

Signatures and Findings for Closure Determination

Check the correct box for this case closure request, and have either a professional engineer or a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code, sign this document.

☒ A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies).

☒ The response action(s) for this site addresses media other than groundwater.

Engineering Certification

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

Andrew Horwath	Senior Engineer	Digitally signed by Andrew D. Horwath Date: 2017.09.12 12:26:51 -04'00'
Printed Name	Title	
Andrew D. Horwath	9/12/2017	PE. No. E-43831-6
Signature	Date	P.E. Stamp and Number

Hydrogeologist Certification

I Brian Kappen hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared by me or prepared by me or prepared under my supervision and, in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Brian Kappen	Senior Geologist
Printed Name	Title
Signature	9/12/2017
	Date

ATTACHMENT A – DATA TABLES

Table A.1. Groundwater Analytical Results

Table A.2. Soil Analytical Results

Table A.3. Residual Soil Analytical Results

Table A.4. Vapor Analytical Results

Table A.5. Sump Discharge Analytical Results

Table A.6. Water Level Elevations

Table A.7. Not Applicable – No other relevant data were collected

TABLE A.1.

GROUNDWATER ANALYTICAL RESULTS

Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Ethylbenzene	n-Propylbenzene	Toluene	Xylenes (total)	Chloromethane	1,1-Dichloroethene	Methylene Chloride
Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**700**	**NE**	**1,000**	**10,000**	**30**	**7**	**5**
Preventive Action Limit		*0.5*	*0.5*	*7*	*20*	*0.02*	*0.5*	*140*	*NE*	*200*	*1,000*	*3*	*0.7*	*0.5*
Grab Groundwater Samples														
GP-2	12/13/2010	< 0.43	< 0.39	< 0.78	< 1.3	< 0.19	< 0.38	< 0.55	< 0.67	< 0.7	< 1.1	<1.2	<0.7	<0.47
GP-3	12/13/2010	**58**	**22**	*43*	9.4	**11.1**	*0.40 J*	< 0.55	0.82 J	0.91 J	< 1.1	<1.2	<0.7	<0.47
GP-4	12/13/2010	< 0.43	< 0.39	< 0.78	< 1.3	< 0.19	< 0.38	**0.90 J**	< 0.67	19.5	3.11	<1.2	<0.7	<0.47
6229-DP-10-16W	7/26/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.54	< 0.81	< 0.67	< 1.8	<0.24	<0.57	<0.43
6229-DP-9-18W	7/27/2011	< 0.45	< 0.48	< 0.83	< 0.89	< 0.18	< 0.41	< 0.54	< 0.81	< 0.67	< 1.8	<0.24	<0.57	<0.43
Monitoring Well/Piezometer Samples														
6229-MW-1	5/7/2013	*2.3*	*0.56*	0.89 J	<0.25	<0.10	<0.074	<0.13	<0.13	<0.11	<0.068	<0.18	<0.31	<0.68
	7/17/2014	*2.74*	*1.43*	1.94	<0.35	<0.18	<0.24	<0.55	<0.25	<0.69	<0.63	<0.81	<0.4	<0.5
	10/15/2014	*3.5*	*1.07*	1.75	<0.35	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/2015	*2.37 J*	*0.86 J*	1 J	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
	4/11/2015	*2.18 J*	*0.72*	0.62 J	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
6229-PZ-1	5/7/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.074	<0.13	<0.13	<0.11	<0.068	<0.18	<0.31	<0.68
	7/17/2014	*1.62*	0.45 J	<0.38	<0.35	<0.18	<0.24	<0.55	<0.25	<0.69	<0.63	<0.81	<0.4	<0.5
	10/15/2014	*1.31*	<0.33	<0.38	<0.35	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
	4/11/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
6229-MW-2	10/15/2014	*1.2*	<0.33	0.43 J	<0.35	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/2015	*1.16 J*	<0.47	0.47 J	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
	4/11/2015	*1.04 J*	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
6229-PZ-2	7/18/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.55	<0.25	<0.69	<0.63	<0.81	<0.4	<0.5
	10/15/2014	<0.33	<0.33	<0.38	<0.35	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
	4/11/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A.1.

GROUNDWATER ANALYTICAL RESULTS

Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Ethylbenzene	n-Propylbenzene	Toluene	Xylenes (total)	Chloromethane	1,1-Dichloroethene	Methylene Chloride
Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**700**	**NE**	**1,000**	**10,000**	**30**	**7**	**5**
Preventive Action Limit		*0.5*	*0.5*	*7*	*20*	*0.02*	*0.5*	*140*	*NE*	*200*	*1,000*	*3*	*0.7*	*0.5*
6229-MW-3	5/7/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.074	<0.13	<0.13	<0.11	<0.068	<0.18	<0.31	<0.68
	7/17/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.55	<0.25	<0.69	<0.63	<0.81	<0.4	<0.5
	10/15/2014	<0.33	<0.33	<0.38	<0.35	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
	4/11/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
6229-PZ-3	5/7/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.074	<0.13	<0.13	<0.11	<0.068	<0.18	<0.31	<0.68
	7/17/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.55	<0.25	<0.69	<0.63	<0.81	<0.4	<0.5
	10/15/2014	<0.33	<0.33	<0.38	<0.35	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
	4/11/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA	NA	NA	NA	NA	NA
Basement Foundation Water Samples														
6229-HA-1-V	7/26/2011	**5,780,000**	< 24,000	< 41,500	< 44,500	< 9,000	<20,500	<27,000	<40,500	<33,500	<41,500	<12,000	<28,500	**34,500 J**
6229-HB-1 (GW-1)	3/5/2013	**28**	**5.9**	**77**	**0.89 J**	**2.5**	<0.074	<0.13	<0.13	<0.11	<0.068	**2.9**	<0.31	<0.68
6229-HB-3 (GW-1)	3/6/2013	**38**	**15**	**1,400**	*22*	**22**	<0.074	<0.13	<0.13	<0.11	<0.068	*3.3*	*2.2*	<0.68
6229-HB-4 (SW)	3/5/2013	**1,000**	**31**	**100**	**1.0**	**6.4**	<0.074	<0.13	<0.13	<0.11	<0.068	<0.18	<0.31	<0.68
6229-HB-4 (GW-1)	3/6/2013	**970**	**45**	**280**	**2.5**	**18**	<0.15	<0.26	<0.26	<0.22	<0.14	*3.1*	<0.62	<1.4

Notes:

All concentrations reported in units of micrograms per liter (µg/L)
Samples analyzed using EPA SW-846 Method 8260
Bolded values exceed the WDNR Enforcement Standard
Italicized values exceed the WDNR Preventive Action Limit
J = Analyte concentration is above the method detection limit and below the reporting limit
MW/PZ denotes monitoring well sample
DP/GP denotes grab groundwater sample from soil boring
HA/HB denotes grab water sample collected immediately beneath the basement floor slab

TABLE A.2.
SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
Exterior Investigation Samples														
GP-1	12/10/2010	2-2.5	Unsaturated	*18,400*	***2,500***	*1,330*	*61 J*	<33	<119	<35	<46	<39	<44	<100
GP-2	12/10/2010	8-10	Saturated	<53	<50	<44	< 43	<33	<119	<35	<46	<39	<44	<100
GP-3	12/10/2010	6-8	Saturated	*116 J*	<50	<44	< 43	<33	<119	280	810 [1]	223	1,100	<100
GP-4	12/10/2010	10-12	Saturated	*430*	<50	<44	< 43	<33	<119	<35	<46	<39	<44	<100
GP-5	12/10/2010	8-10	Saturated	**217,000**	*276*	*274*	< 43	<33	<119	<35	<46	<39	<44	<12,500
6229-DP-6	7/26/2011	4-6	Unsaturated	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-7	7/26/2011	26-28	Saturated	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<40.4	<25.0	<25.0	<25
6229-DUP (6229-DP-7)	7/26/2011	26-28	Saturated	*731*	<25.0	<25.0	<25.0	<25.0	*128*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-8	7/26/2011	18-20	Saturated	<25.0	<25.0	<25.0	<25.0	<25.0	*172*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-9	7/26/2011	4-6	Unsaturated	*65.8 J*	<25.0	<25.0	<25.0	<25.0	*139*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-10	7/26/2011	16-18	Saturated	<25.0	<25.0	<25.0	<25.0	<25.0	*182*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-11	2/4/2013	4-6	Unsaturated	*16,000*	*610*	*170*	<20	<8.3	<54	<12	<10	<20	<14	<39
		14-16	Saturated	<14	<15	<10	<20	<8.4	<55	<12	<10	<20	<14	<40
		20-22	Saturated	*610*	*33 J*	<12	<25	<10	<67	<15	<13	<25	<17	<49
6229-DP-12	2/4/2013	4-6	Unsaturated	*120*	*32 J*	<12	<25	<10	<68	<15	<13	<25	<17	<49
		16-18	Saturated	*240*	<17	<11	<22	<9.3	<61	<14	<11	<22	<16	<44
		24-26	Saturated	<13	<14	<9.2	<19	<7.8	<51	<12	<9.7	<19	<13	<37
6229-DP-13	2/5/2013	6-8	Saturated	<16	<18	<12	<24	<10	<66	<15	<13	<24	<17	<48
		10-12	Saturated	<15	<16	<11	<22	<9.0	<59	<13	<11	<22	<15	<43
		18-20	Saturated	<14	<15	<10	<21	<8.6	<56	<13	<11	<21	<14	<41
6229-DP-14	2/5/2013	2-4	Unsaturated	*3,700*	<11	<7.5	<15	<6.3	<42	<9.4	<7.8	<15	<11	<30
6229-DP-15	2/5/2013	2-4	Unsaturated	<16	<18	<12	<24	<9.9	<65	<15	<12	<24	<17	<47
6229-DP-16	7/17/2014	6	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-DP-16	7/17/2014	13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-DP-17	7/17/2014	3	Unsaturated	*650*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-DP-17	7/17/2014	9	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-DP-18	7/17/2014	8	Saturated	<49	<28	<24	<29	<21	<221	<41	<26	<25	<24	<114
6229-DP-19	7/17/2014	9	Saturated	<49	<28	<24	<29	<21	<221	<41	<26	<25	<24	<114

TABLE A.2.
SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
Basement Investigation Samples														
6229-HA-1	7/26/2011	0-2	Unsaturated	**5,430,000**	< 12,500	< 12,500	< 12,500	<12,500	<12,500	<12,500	<20,200	<12,500	<12,500	<12,500
6229-HB-1	3/6/2013	2	Unsaturated	<14	<16	<10	<21	<8.8	<58	<13	<11	<21	<15	<42
	3/6/2013	3	Unsaturated	<13	<14	<9.5	<18	<8.0	<53	<12	<10	<19	<14	<38
	3/6/2013	5.5	Unsaturated	<15	<16	<11	<22	<9.0	<59	<13	<11	<22	<15	<43
6229-HB-2	3/5/2013	1.5	Unsaturated	<15	<16	<11	<22	<9.1	<60	<13	<11	<22	<15	<43
	3/5/2013	3.5	Unsaturated	<14	<15	<10	<21	<8.6	<57	<13	<11	<21	<15	<41
	3/5/2013	8	Saturated	<14	<16	<11	<22	<9.0	<59	<13	<11	<22	<15	<43
6229-HB-3	3/6/2013	1.5	Unsaturated	<16	<18	<12	<24	<9.9	<65	<15	<12	<24	<17	<47
	3/6/2013	3	Unsaturated	<14	<16	<10	<21	<8.7	<57	<13	<11	<21	<15	<41
	3/6/2013	7.5	Saturated	<13	<14	<9.5	<19	<8.0	<53	<12	<9.9	<19	<13	<38
6229-HB-4	3/8/2013	2	Unsaturated	<15	<17	<11	<23	*20 J*	<62	<14	<12	<23	<16	<45
	3/8/2013	4	Unsaturated	<14	<16	<10	<21	<8.7	<57	<13	<11	<21	<15	<41
	3/8/2013	7.5	Saturated	<14	<15	<10	<20	<8.5	<56	<13	<11	<21	<14	<40
6229-HB-5	11/2/2016	0.5-1.5	Unsaturated	<54	<42	*79*	<24	<10	<220	<36	<86	<86	<35	278 J
6229-HB-6	11/2/2016	0.5-1.5	Unsaturated	<54	<42	21.7 J	<24	*17.9 J*	<220	<36	<86	<86	<35	<87
6229-HB-7	11/2/2016	0.5-1.5	Unsaturated	<54	<42	*340*	34 J	*49*	<220	<36	<86	<86	<35	<87
6229-HB-8	11/2/2016	0.5-1.5	Unsaturated	<54	<42	*112*	<24	*32*	<220	<36	<86	91 J	<35	234 J
6229-HB-9	11/2/2016	1-2	Unsaturated	<54	<42	*76*	<24	*58*	<220	<36	<86	<86	<35	<87
6229-HB-10	11/2/2016	0.8-1.8	Unsaturated	<54	<42	<21	<24	<10	<220	<36	<86	<86	<35	<87
6229-HB-11	11/2/2016	0.7-1.7	Unsaturated	*69 J*	<42	*4,100*	*107*	***203***	<220	<36	<86	<86	<35	<87

TABLE A.2.
SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
Waste Characterization Samples														
6229-PEB-1	10/2/2014	3	Unsaturated	*6,800*	*67 J*	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-2	10/2/2014	3	Unsaturated	*20,600*	*102*	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-3	10/2/2014	3	Unsaturated	*1,870*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-4	10/2/2014	3	Unsaturated	*21,200*	*47 J*	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-5	10/2/2014	3	Unsaturated	*440*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-6	10/2/2014	3	Unsaturated	*6,600*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-7	10/2/2014	3	Unsaturated	***47,000***	*520*	*97*	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	***89,000***	*41 J*	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	**235,000**	<1400	<1200	<1450	<1050	NA	NA	NA	NA	NA	NA
6229-PEB-8	10/2/2014	3	Unsaturated	*62 J*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		6	Saturated	*1,420*	*138*	*67 J*	<29	<21	NA	NA	NA	NA	NA	NA
		9	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA

TABLE A.2.
SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
6229-PEB-9	10/2/2014	3	Unsaturated	*330*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		6	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		9	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-10	10/2/2014	3	Unsaturated	*960*	*34 J*	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-11	10/2/2014	3	Unsaturated	*18,300*	*80 J*	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	*65 J*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-12	10/2/2014	3	Unsaturated	*6,300*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	*94 J*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-13	10/2/2014	3	Unsaturated	*3,200*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	*4,700*	*102*	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-14	10/2/2014	3	Unsaturated	*83 J*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-15	10/2/2014	10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-16	10/2/2014	3	Unsaturated	*6,300*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-PEB-17	10/2/2014	3	Unsaturated	*2,350*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
		10	Saturated	*640*	*141*	*238*	<29	<21	NA	NA	NA	NA	NA	NA
		13	Saturated	*2,840*	*480*	*870*	*77 J*	*59 J*	NA	NA	NA	NA	NA	NA

TABLE A.2.
SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
Excavation Sidewall Samples														
WS-1	4/22/2014	4	Unsaturated	*134*	*83 J*	40 J	35 J	<21	<57	<41	<26	<25	<24	<114
WS-2	4/22/2014	4	Unsaturated	*216*	*35 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-3	4/22/2014	5*	Unsaturated	***35,000***	*43 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
		8	Saturated	*1,930*	*199*	*610*	50 J	<21	<57	<41	<26	<25	<24	<114
WS-4	4/22/2014	6	Saturated	*13,700*	*91*	<24	<29	<21	<57	<41	<26	<25	<24	<114
		8	Saturated	*88 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-5	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	NA
WS-6	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-7	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-8	4/23/2014	8	Saturated	*900*	*29.2 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-9	4/23/2014	8	Saturated	*630*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-10	4/23/2104	3	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-11	4/23/2014	3	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-12	4/23/2014	3	Unsaturated	*58 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-13	4/23/2014	7	Saturated	*270*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-14	4/23/2014	8	Saturated	*8,100*	*420*	*87*	<29	<21	<57	<41	<26	<25	<24	<114
WS-15	4/23/2014	3	Unsaturated	*610*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-16	4/24/2014	3	Unsaturated	*109 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-17	4/25/2014	3	Unsaturated	*1,440*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-18	4/25/2014	8	Saturated	*1,150*	*33 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-19	4/25/2014	8	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-20	4/25/2014	8	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-21	4/25/2014	8	Saturated	*730*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-22	4/25/2014	8	Saturated	*940*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-23	4/25/2014	8	Saturated	*2,280*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-24	4/25/2014	3	Unsaturated	*97 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-25	4/26/2014	3	Unsaturated	*59 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-26	4/26/2014	3	Unsaturated	*1,480*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
HB-5	4/23/2014	9	Unsaturated	***138,000***	*340*	*151*	<29	<21	<57	<41	<26	<25	<24	<114
HB-6	4/23/2014	9	Unsaturated	*1,610*	*28.2 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
HB-7	4/23/2014	9	Unsaturated	*2,540*	*59 J*	*126*	<29	<21	<57	<41	<26	<25	<24	<114

TABLE A.2.
SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
Excavation floor Samples														
FS-1	4/22/2014	6	Saturated	*3,300*	*235*	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-2	4/22/2014	5	Unsaturated	*312*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-3	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-4	4/22/2014	13	Saturated	*71 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-5	4/22/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-6	4/22/2014	13	Saturated	*96 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-7	4/22/2014	13	Saturated	***88,000***	*221*	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-8	4/22/2014	5	Unsaturated	*5,100*	*148*	*79*	<29	<21	<57	<41	<26	<25	<24	<114
FS-9	4/23/2014	11*	Saturated	***97,000***	***1,320***	*1,520*	<29	<21	<57	<41	<26	27.1 J	26.5 J	<114
FS-10	4/23/2014	5	Unsaturated	*1,380*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-11	4/23/2014	13	Saturated	*1,870*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-12	4/23/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-13	4/23/2014	5	Unsaturated	*4,100*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-14	4/25/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-15	4/25/2014	13	Saturated	*240*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-16	4/25/2014	5	Unsaturated	*1,570*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-17	4/25/2014	5	Unsaturated	***51,000***	***1,360***	*77*	<29	<21	<57	<41	<26	<25	<24	<114
FS-18	4/25/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-19	4/25/2014	5	Unsaturated	*1,870*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-20	4/26/2014	5	Unsaturated	*29,100*	*116*	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-21	4/26/2014	5	Unsaturated	*3,600*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114

Notes:

Samples analyzed using EPA SW-846 Method 8260 with Prep Method 5030
All concentrations reported in micrograms per kilogram (µg/kg)
[1] Concentration reported as tert-Butylbenzene in Sigma Environmental Services' Repor
Bolded values are above method detection limits
Italicized values exceed the Soil to Groundwater Residual Contaminant Leve
Bolded and *Italicized* values exceed the Non-Industrial Residual Contaminant Leve
Bolded values exceed the Industrial Residual Contaminant Leve
GP denotes samples collected by Sigma Environmental Services
DP denotes samples collected by EnviroForensics via Geoprobe
HA/HB denotes samples collected by EnviroForensics via hand auger
J = Analyte concentration is above the method detection limit and below the reporting limit
NA = Not Analyzed
*= Trimethylbenzenes were detected at a concentration below reporting limit
†= 1,2-Dichlorobenzene was detected at a concentration below reporting limit

TABLE A.3.
RESIDUAL SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
GP-2	12/10/2010	8-10	Saturated	<53	<50	<44	< 43	<33	<119	<35	<46	<39	<44	<100
GP-3	12/10/2010	6-8	Saturated	*116 J*	<50	<44	< 43	<33	<119	280	810 [1]	223	1,100	<100
GP-4	12/10/2010	10-12	Saturated	*430*	<50	<44	< 43	<33	<119	<35	<46	<39	<44	<100
6229-DP-6	7/26/2011	4-6	Unsaturated	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-7	7/26/2011	26-28	Saturated	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<40.4	<25.0	<25.0	<25
6229-DUP (6229-DP-7)	7/26/2011	26-28	Saturated	*731*	<25.0	<25.0	<25.0	<25.0	*128*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-8	7/26/2011	18-20	Saturated	<25.0	<25.0	<25.0	<25.0	<25.0	*172*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-9	7/26/2011	4-6	Unsaturated	*65.8 J*	<25.0	<25.0	<25.0	<25.0	*139*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-10	7/26/2011	16-18	Saturated	<25.0	<25.0	<25.0	<25.0	<25.0	*182*	<25.0	<40.4	<25.0	<25.0	<25
6229-DP-11	2/4/2013	4-6	Unsaturated	*16,000*	*610*	*170*	<20	<8.3	<54	<12	<10	<20	<14	<39
		14-16	Unsaturated	<14	<15	<10	<20	<8.4	<55	<12	<10	<20	<14	<40
		20-22	Saturated	*610*	*33 J*	<12	<25	<10	<67	<15	<13	<25	<17	<49
6229-DP-12	2/4/2013	16-18	Saturated	*240*	<17	<11	<22	<9.3	<61	<14	<11	<22	<16	<49
		24-26	Saturated	<13	<14	<9.2	<19	<7.8	<51	<12	<9.7	<19	<13	<44
6229-DP-13	2/5/2013	6-8	Saturated	<16	<18	<12	<24	<10	<66	<15	<13	<24	<17	<37
		10-12	Saturated	<15	<16	<11	<22	<9.0	<59	<13	<11	<22	<15	<48
		18-20	Saturated	<14	<15	<10	<21	<8.6	<56	<13	<11	<21	<14	<43
6229-DP-14	2/5/2013	2-4	Unsaturated	*3,700*	<11	<7.5	<15	<6.3	<42	<9.4	<7.8	<15	<11	<41
6229-DP-15	2/5/2013	2-4	Unsaturated	<16	<18	<12	<24	<9.9	<65	<15	<12	<24	<17	<30
6229-DP-16	7/17/2014	6	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
	7/17/2014	13	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-DP-17	7/17/2014	3	Unsaturated	*650*	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
	7/17/2014	9	Saturated	<49	<28	<24	<29	<21	NA	NA	NA	NA	NA	NA
6229-DP-18	7/17/2014	8	Saturated	<49	<28	<24	<29	<21	<221	<41	<26	<25	<24	<114
6229-DP-19	7/17/2014	9	Saturated	<49	<28	<24	<29	<21	<221	<41	<26	<25	<24	<114

TABLE A.3.
RESIDUAL SOIL ANALYTICAL RESULTS
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
6229-HB-1	3/6/2013	2	Unsaturated	<14	<16	<10	<21	<8.8	<58	<13	<11	<21	<15	<42
	3/6/2013	3	Unsaturated	<13	<14	<9.5	<18	<8.0	<53	<12	<10	<19	<14	<38
	3/6/2013	5.5	Unsaturated	<15	<16	<11	<22	<9.0	<59	<13	<11	<22	<15	<43
6229-HB-2	3/5/2013	1.5	Unsaturated	<15	<16	<11	<22	<9.1	<60	<13	<11	<22	<15	<43
	3/5/2013	3.5	Unsaturated	<14	<15	<10	<21	<8.6	<57	<13	<11	<21	<15	<41
	3/5/2013	8	Saturated	<14	<16	<11	<22	<9.0	<59	<13	<11	<22	<15	<43
WS-1	4/22/2014	4	Unsaturated	*134*	*83 J*	40 J	35 J	<21	<57	<41	<26	<25	<24	<114
WS-2	4/22/2014	4	Unsaturated	*216*	*35 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-3	4/22/2014	5*	Unsaturated	***35,000***	*43 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
		8	Saturated	*1,930*	*199*	*610*	50 J	<21	<57	<41	<26	<25	<24	<114
WS-4	4/22/2014	6	Saturated	*13,700*	*91*	<24	<29	<21	<57	<41	<26	<25	<24	<114
		8	Saturated	*88 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-5	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	NA
WS-6	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-7	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-8	4/23/2014	8	Saturated	*900*	*29.2 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-9	4/23/2014	8	Saturated	*630*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-10	4/23/2104	3	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-11	4/23/2014	3	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-12	4/23/2014	3	Unsaturated	*58 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-13	4/23/2014	7	Saturated	*270*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-14	4/23/2014	8	Saturated	*8,100*	*420*	*87*	<29	<21	<57	<41	<26	<25	<24	<114
WS-15	4/23/2014	3	Unsaturated	*610*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-16	4/24/2014	3	Unsaturated	*109 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-17	4/25/2014	3	Unsaturated	*1,440*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-18	4/25/2014	8	Saturated	*1,150*	*33 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-19	4/25/2014	8	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114

TABLE A.3.
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Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
WS-20	4/25/2014	8	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-21	4/25/2014	8	Saturated	*730*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-22	4/25/2014	8	Saturated	*940*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-23	4/25/2014	8	Saturated	*2,280*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-24	4/25/2014	3	Unsaturated	*97 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-25	4/26/2014	3	Unsaturated	*59 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
WS-26	4/26/2014	3	Unsaturated	*1,480*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
HB-5	4/23/2014	9	Unsaturated	***138,000***	*340*	*151*	<29	<21	<57	<41	<26	<25	<24	<114
HB-6	4/23/2014	9	Unsaturated	*1,610*	*28.2 J*	<24	<29	<21	<57	<41	<26	<25	<24	<114
HB-7	4/23/2014	9	Unsaturated	*2,540*	*59 J*	*126*	<29	<21	<57	<41	<26	<25	<24	<114
FS-1	4/22/2014	6	Saturated	*3,300*	*235*	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-2	4/22/2014	5	Unsaturated	*312*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-3	4/22/2014	4	Unsaturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-4	4/22/2014	13	Saturated	*71 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-5	4/22/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-6	4/22/2014	13	Saturated	*96 J*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-7	4/22/2014	13	Saturated	***88,000***	*221*	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-8	4/22/2014	5	Unsaturated	*5,100*	*148*	*79*	<29	<21	<57	<41	<26	<25	<24	<114
FS-9	4/23/2014	11*	Saturated	***97,000***	***1,320***	*1,520*	<29	<21	<57	<41	<26	27.1 J	26.5 J	<114
FS-10	4/23/2014	5	Unsaturated	*1,380*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-11	4/23/2014	13	Saturated	*1,870*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-12	4/23/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-13	4/23/2014	5	Unsaturated	*4,100*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-14	4/25/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-15	4/25/2014	13	Saturated	*240*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-16	4/25/2014	5	Unsaturated	*1,570*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-17	4/25/2014	5	Unsaturated	***51,000***	***1,360***	*77*	<29	<21	<57	<41	<26	<25	<24	<114

TABLE A.3.

RESIDUAL SOIL ANALYTICAL RESULTS

Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Saturated/ Unsaturated	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Methylene Chloride	sec-Butylbenzene	n-Butylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**1,150,000**	**145,000**	**108,000**	**268,000**	**264,000**	**24,100**
Residual Contaminant Level - Non-Industrial				***33,000***	***1,300***	***156,000***	***1,560,000***	***67***	***61,800***	***145,000***	***108,000***	***268,000***	***264,000***	***5,520***
Residual Contaminant Level - Soil to Groundwater				*4.5*	*3.6*	*41.2*	*58.8*	*0.1*	*2.6*	*NE*	*NE*	*NE*	*NE*	*658*
FS-18	4/25/2014	13	Saturated	<49	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-19	4/25/2014	5	Unsaturated	*1,870*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-20	4/26/2014	5	Unsaturated	*29,100*	*116*	<24	<29	<21	<57	<41	<26	<25	<24	<114
FS-21	4/26/2014	5	Unsaturated	*3,600*	<28	<24	<29	<21	<57	<41	<26	<25	<24	<114

Notes:

Samples analyzed using EPA SW-846 Method 8260 with Prep Method 5030
All concentrations reported in micrograms per kilogram (µg/kg)
[1] Concentration reported as tert-Butylbenzene in Sigma Environmental Services' Report
Bolded values are above method detection limits
Italicized values exceed the Soil to Groundwater Residual Contaminant Level
Bolded and *Italicized* values exceed the Non-Industrial Residual Contaminant Level
Bolded values exceed the Industrial Residual Contaminant Level
GP denotes samples collected by Sigma Environmental Services
DP denotes samples collected by EnviroForensics via Geoprobe
HA/HB denotes samples collected by EnviroForensics via hand auger
J = Analyte concentration is above the method detection limit and below the reporting limit
NA = Not Analyzed
*= Trimethylbenzenes were detected at a concentration below reporting limit
†= 1,2-Dichlorobenzene was detected at a concentration below reporting limit

TABLE A.4.

VAPOR ANALYTICAL RESULTS

Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Address	Sample Location	Sample Identification	Applicable Screening Criteria	Leak Detection Test Passed	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Chloroform	Ethylbezene	1,2,4-Trimethylbenzene	n-Heptane
Small Commercial Sub-Slab Vapor Risk Screening Level [2]						**6,000**	**290**	**NE**	**NE**	**930**	**530**	**180**	**1,600**	**1,000**	**NE**
Small Commercial Utility Soil Gas Risk Screening Level [1]						**18,000**	**880**	**NE**	**NE**	**2,800**	**1,600**	**530**	**4,900**	**3,100**	**NE**
4837 N. Teutonia Ave (Lloyd's Cleaners)	Exterior	6229-SG-1	Utility Soil Gas	Helium Shroud	2/6/2013	<31.9	<10.7	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2	1,670
		6229-SG-2	Utility Soil Gas	Helium Shroud	2/6/2013	1,640	17.9	<19.8	<39.6	<1.28	8.47	2.44	<8.68	6.54	<410
		6229-SG-3	Utility Soil Gas	Helium Shroud	7/17/2014	161	<10.7	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2	<4,100
		6229-SG-4	Utility Soil Gas	Helium Shroud	7/17/2014	<31.9	<10.7	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2	<4,100
	Slab on Grade Coin Laundry	6229-SSV-1	Sub-Slab Vapor	Water Dam	2/6/2013	42.1	8.65	<19.8	<39.6	<1.28	9.81	0.83	10.9	8.26	<410
		6229-SSV-2	Sub-Slab Vapor	Water Dam	2/6/2013	4.88	<1.07	<19.8	<39.6	<1.28	<1.60	<0.83	<8.68	<4.92	<410
		6229-SSV-3	Sub-Slab Vapor	Water Dam	2/6/2013	57.9	<1.07	<19.8	<39.6	<1.28	1.60	0.83	<8.68	<4.92	<410
	Slab on Grade Dry Cleaning Drop Off	6229-SSV-4	Sub-Slab Vapor	Water Dam	7/22/2014	38.7	<10.7	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2	<4,100
				Water Dam	1/9/2015	<31.9	<10.7	<198	<396	<12.8	NA	NA	NA	NA	NA
		6229-SSV-5	Sub-Slab Vapor	Water Dam	7/22/2014	1,640	56.4	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2	<4,100
				Water Dam	1/9/2015	1,610	<10.7	<198	<396	<12.8	NA	NA	NA	NA	NA
		6229-SSV-6	Sub-Slab Vapor	Water Dam	7/22/2014	1,790	25.8	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2	<4,100
				Water Dam	1/9/2015	343	11.8	<198	<396	<12.8	NA	NA	NA	NA	NA
	Basement	6229-SSV-7	Sub-Slab Vapor	Water Dam	7/22/2014	165	**501**	21,000	1,130	**20,500**	<16.0	<8.30	<86.8	<49.2	<4,100
		6229-SSV-8	Sub-Slab Vapor	Water Dam	7/22/2014	998	151	5,200	<396	**9,730**	<16.0	<8.30	<86.8	<49.2	<4,100
		6229-SSV-11	Sub-Slab Vapor	Water Dam	3/2/2017	**19,000**	**303**	1,510	<39.6	130	NA	NA	NA	NA	NA
		6229-SSV-12	Sub-Slab Vapor	Water Dam	3/2/2017	2,180	**365**	1,810	<39.6	47.5	NA	NA	NA	NA	NA
2724 W. Hampton Ave (Benz Oil)	Slab on Grade Along East Wall	6229-SSV-9	Sub-Slab Vapor	Water Dam	3/23/2015	57.0	<10.7	<198	<396	<12.8	NA	NA	NA	NA	NA
		6229-SSV-10	Sub-Slab Vapor	Water Dam	3/23/2015	84.8	<10.7	<198	<396	<12.8	NA	NA	NA	NA	NA

Notes:

[1] The Vapor Risk Screeing Levels were calcuated according to the procedures described in WDNR Publication RR-800 with an attenuation factor of 0.03 for sub-slab samples and 0.1 adjustment for 1 x 10^{-5} lifetime cancer risk for carcinogens

[2] The Vapor Risk Screeing Levels were calcuated according to the procedures described in WDNR Publication RR-800 with an attenuation factor of 0.01 for utility soil gas samples and 0.1 adjustment for 1 x 10^{-5} lifetime cancer risk for carcinogens

All concentrations reported in untis of micrograms per cubic meter ($\mu g/m^3$)
Bolded values exceed the applicable Vapor Risk Screening Level
VRSL = Vapor Risk Screening Level
SG = Soil Gas
SSV = Sub-Slab Vapor
NE = Not Established
NA = Not Analyzed

TABLE A.5.

SUMP DISCHARGE ANALYTICAL RESULTS

Lloyd's Dry Cleaners
Milwaukee, Wisconsin

			VOCs (ug/L)							(mg/L)	
Sample Identification	**Remediation Status**	**Sample Date**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**trans-1,2-Dichloroethene**	**Vinyl Chloride**	**Toluene**	**Chloromethane**	**Oil and Grease**	**Total Suspended Solids**
6229-SUMP-W	Pre-Interim Action	7/26/2011	**309**	**10.5**	***12.1***	< 0.89	< 0.18	<0.67	<0.24	NS	NS
6229-SUMP-1	Pre-Interim Action	3/5/2013	**340**	**9.3**	***18***	<0.25	<0.10	<0.54	***4.5***	NS	NS
6229-SUMP-4/14	Post-Interim Action	4/28/2014	**98**	***2.37***	***7.8***	<0.35	**0.78**	<0.69	<0.81	NS	NS
6229-SUMP	Post-Interim Action	5/15/2014	**86**	***3.5***	***14.6***	<0.35	**1.47**	<0.69	<0.81	<0.99	<4
6229-SUMP 6/2	Post-Interim Action	6/2/2014	**92**	***4.9***	***18.4***	<0.35	**0.33 J**	<0.69	<0.81	<1.98	26
6229-SUMP 6/18	Post-Interim Action	6/18/2014	**155**	***4.4***	***8.3***	<0.35	**0.34 J**	<0.69	<0.81	<0.99	*120*
6229-SUMP	Post-Interim Action	7/22/2014	**64**	***4.5***	***45***	0.53 J	<0.18	<0.69	<0.81	<0.99	<4
6229-SUMP	Post-Interim Action	10/15/2014	**120**	**6.2**	***17.5***	<0.35	<0.18	--	--	--	--
6229-SUMP	Post-Interim Action	1/7/2015	**19.6**	***1.94***	***17.6***	<0.54	<0.17	--	--	--	--
6229-SUMP	Post-Interim Action	4/11/2015	**104**	***3.2***	***9.4***	<0.54	<0.17	<0.44	<1.9	--	--
6229-SUMP	Post-Interim Action	10/1/2015	**38**	***1.89***	***9.5***	<0.54	<0.17	<0.44	<1.9	--	--
6229-SUMP	Post-Interim Action	4/1/2016	**64**	***2.15***	5.3	<0.54	<0.17	--	--	--	--
6229-SUMP	Post-Interim Action	10/4/2016	**49**	**7.8**	***18.4***	<0.54	<0.17	0.76 J	<1.9	--	--
6229-SUMP	Post-Remediation	4/7/2017	**14**	<0.45	0.68 J	<0.35	<0.19	<0.67	<1.3	--	--
6229-SUMP	Post-Remediation	6/14/2017	***1.52***	<0.45	<0.41	<0.35	<0.19	<0.67	<1.3	--	--
Public Health Enforcement Standard (ug/L)			**5**	**5**	**70**	**100**	**0.2**	**800**	**30**	**NA**	**NA**
Public Health Preventive Action Limit (ug/L)			***0.5***	***0.5***	***7***	***20***	***0.02***	***160***	***3***	***NA***	***NA***
MMSD Do not exceed limit (mg/L)			*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*300*	*100*

Notes:

µg/L = micrograms per liter
mg/L = milligrams per liter
-- = Not Analyzed
J = Analyte concentration is above the method detection limit and below the reporting limit
MMSD = Milwaukee Metropolitan Sewerage District
NA = Not Applicable
Bolded values exceed the Enforcement Standard
Bolded and *italicized* shaded values exceed the Preventive Action Limit
Italicized values exceed the MMSD Do not exceed limit

TABLE A.6.

WATER LEVEL ELEVATIONS

Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Location ID	Date	TOC Elevation	Depth to Water	Groundwater Elevation (AMSL)
MW-1	2/11/2013	644.89	NM	NM
	3/6/2013	644.89	NM	NM
	Early Spring 2013	644.89	NM	NM
	5/7/2013	644.89	8.32	636.57
	Summer 2013	644.89	13.83	631.06
	Fall 2013	644.89	13.87	631.02
	Winter 2013	644.89	12.06	632.83
	Spring 2014	644.89	11.22	633.67
	7/17/2014	644.89	9.01	635.88
	10/15/2014	644.89	8.40	636.49
	1/7/2015	644.89	10.78	634.11
	4/11/2015	644.89	5.71	639.18
MW-2	2/11/2013	643.64	NM	NM
	3/6/2013	643.64	NM	NM
	Early Spring 2013	643.64	DRY	DRY
	5/7/2013	643.64	DRY	DRY
	Summer 2013	643.64	DRY	DRY
	Fall 2013	643.64	DRY	DRY
	Winter 2013	643.64	DRY	DRY
	Spring 2014	643.64	DRY	DRY
	7/17/2014	643.64	DRY	DRY
	10/15/2014	643.64	13.42	630.22
	1/7/2015	643.64	3.83	639.81
	4/11/2015	643.64	5.74	637.90
MW-3	2/11/2013	644.31	NM	NM
	3/6/2013	644.31	NM	NM
	Early Spring 2013	644.31	NM	NM
	5/7/2013	644.31	11.48	632.83
	Summer 2013	644.31	7.36	636.95
	Fall 2013	644.31	7.26	637.05
	Winter 2013	644.31	6.02	638.29
	Spring 2014	644.31	5.46	638.85
	7/17/2014	644.31	4.74	639.57
	10/15/2014	644.31	5.00	639.31
	1/7/2015	644.31	5.16	639.15
	4/11/2015	644.31	7.24	637.07

TABLE A.6.

WATER LEVEL ELEVATIONS

Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Location ID	Date	TOC Elevation	Depth to Water	Groundwater Elevation (AMSL)
PZ-1	2/11/2013	644.72	20.00	624.72
	3/6/2013	644.72	20.00	624.72
	Early Spring 2013	644.72	20.00	624.72
	5/7/2013	644.72	20.15	624.57
	Summer 2013	644.72	22.74	621.98
	Fall 2013	644.72	22.64	622.08
	Winter 2013	644.72	21.75	622.97
	Spring 2014	644.72	20.57	624.15
	7/17/2014	644.72	19.11	625.61
	10/15/2014	644.72	18.10	626.62
	1/7/2015	644.72	10.15	634.57
	4/11/2015	644.72	13.66	631.06
PZ-2	2/11/2013	643.75	25.90	617.85
	3/6/2013	643.75	NM	NM
	Early Spring 2013	643.75	25.80	617.95
	5/7/2013	643.75	25.80	617.95
	Summer 2013	643.75	25.90	617.85
	Fall 2013	643.75	DRY	DRY
	Winter 2013	643.75	DRY	DRY
	Spring 2014	643.75	23.95	619.80
	7/17/2014	643.75	23.90	619.85
	10/15/2014	643.75	22.59	621.16
	1/7/2015	643.75	22.53	621.22
	4/11/2015	643.75	22.91	620.84
PZ-3	2/11/2013	644.66	NM	NM
	3/6/2013	644.66	NM	NM
	Early Spring 2013	644.66	22.51	622.15
	5/7/2013	644.66	15.25	629.41
	Summer 2013	644.66	15.30	629.36
	Fall 2013	644.66	15.30	629.36
	Winter 2013	644.66	13.95	630.71
	Spring 2014	644.66	13.00	631.66
	7/17/2014	644.66	12.67	631.99
	10/15/2014	644.66	12.68	631.98
	1/7/2015	644.66	17.92	626.74
	4/11/2015	644.66	20.39	624.27

Notes:

All values are in feet
AMSL = above mean sea level
DTW = Depth to water
NM = Not Measured
TOC = Top of Casing

ATTACHMENT B – MAPS, FIGURES, AND PHOTOS

Figure B.1.a. Site Location Map

Figure B.1.b. Site Layout Map

Figure B.1.c. RR Sites Map

Figure B.2.a. Soil Contamination

Figure B.2.b. Residual Soil Contamination

Figure B.3.a. Geologic Cross-Section Transect Map

Figure B.3.a.1 Geologic Cross-Section A-A'

Figure B.3.a.2 Geologic Cross-Section B-B'

Figure B.3.a.3 Geologic Cross-Section C-C'

Figure B.3.b. Groundwater Isoconcentration

Figure B.3.c. Groundwater Flow Direction

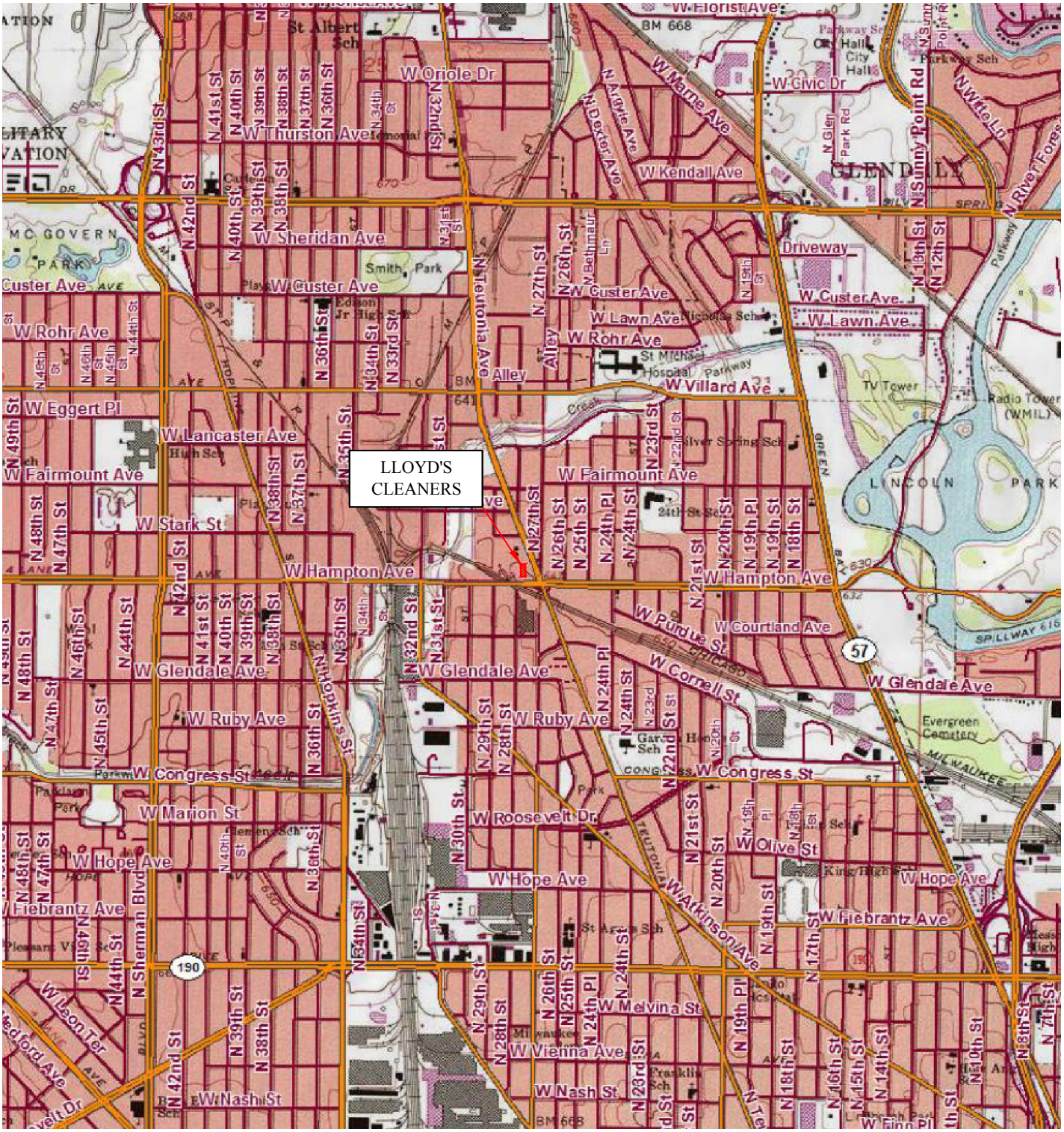
Figure B.3.d. Monitoring Wells

Figure B.4.a. Vapor Intrusion Map

Figure B.4.b. Not Applicable – No other media of concern exists

Figure B.4.c. Not Applicable – No other figures are included

B.5. Not Applicable – There are no structural impediments



Scale 1:24,000

1 1/2 0 1 Mile

1000 0 1000 2000 3000 4000 5000 6000 7000 Feet

1 .5 0 1 Kilometer

N

Source: US Geological Survey, Milwaukee, WI Quadrangle, 7.5 Minute Series, 1984

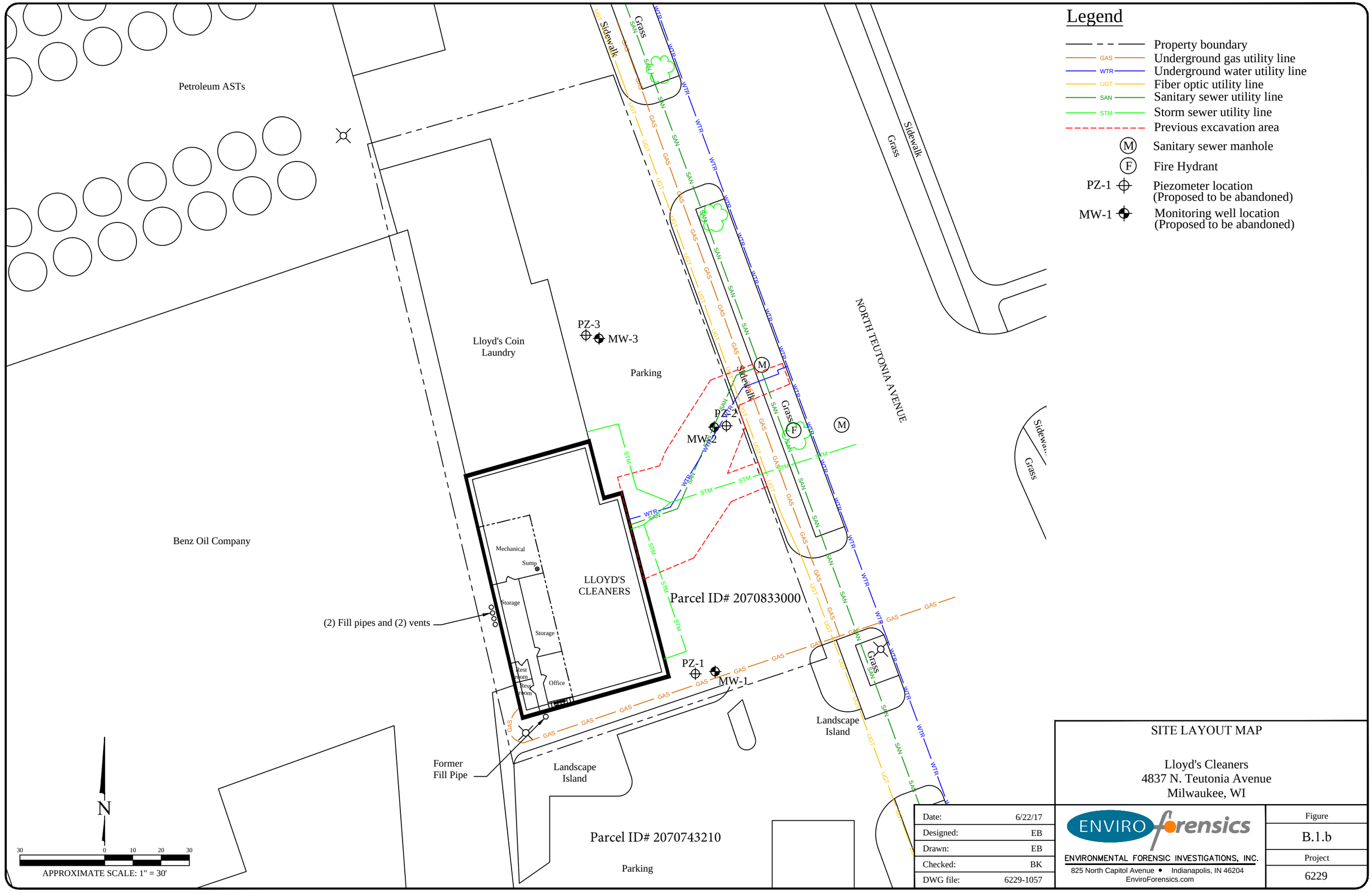
No.	Date	Revision	Approved

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N Capitol Ave., Ste 210 • Indianapolis, IN 46204
EnviroForensics.com

Date:	3/1/13
Designed:	MMM
Drawn:	MMM
Checked:	JJ
DWG file:	62720-11

SITE LOCATION MAP
Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee WI

Figure
B.1.a
Project
6229



SITE LAYOUT MAP

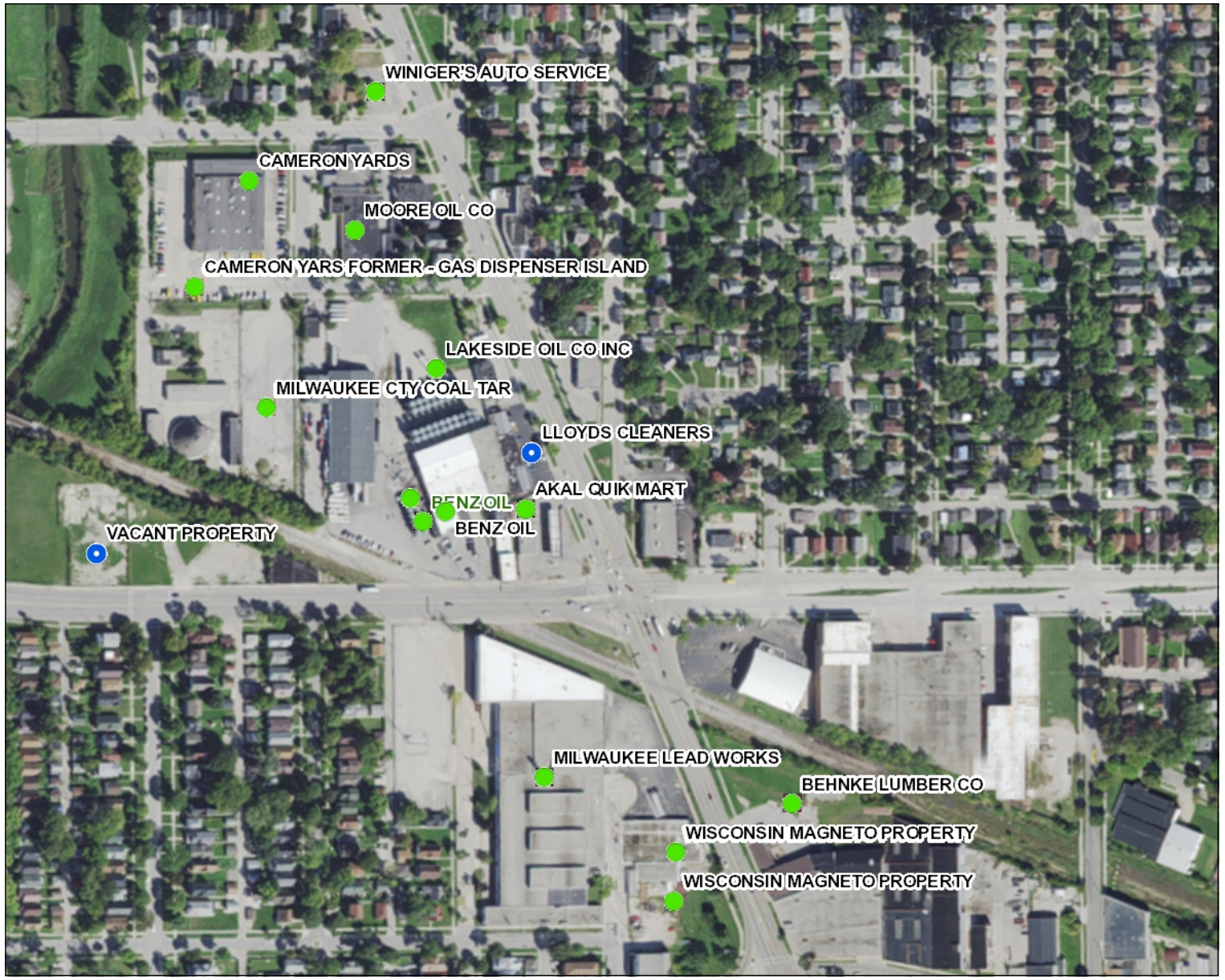
Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/22/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1057

ENVIROforensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure	B.1.b
Project	6229

Figure B.1.c. RR Sites Map - Lloyd's Cleaners



Legend

- Open Site (ongoing cleanup)
- Closed Site (completed cleanup)
- Groundwater Contamination
- Soil Contamination
- Groundwater and Soil Contamination

Notes

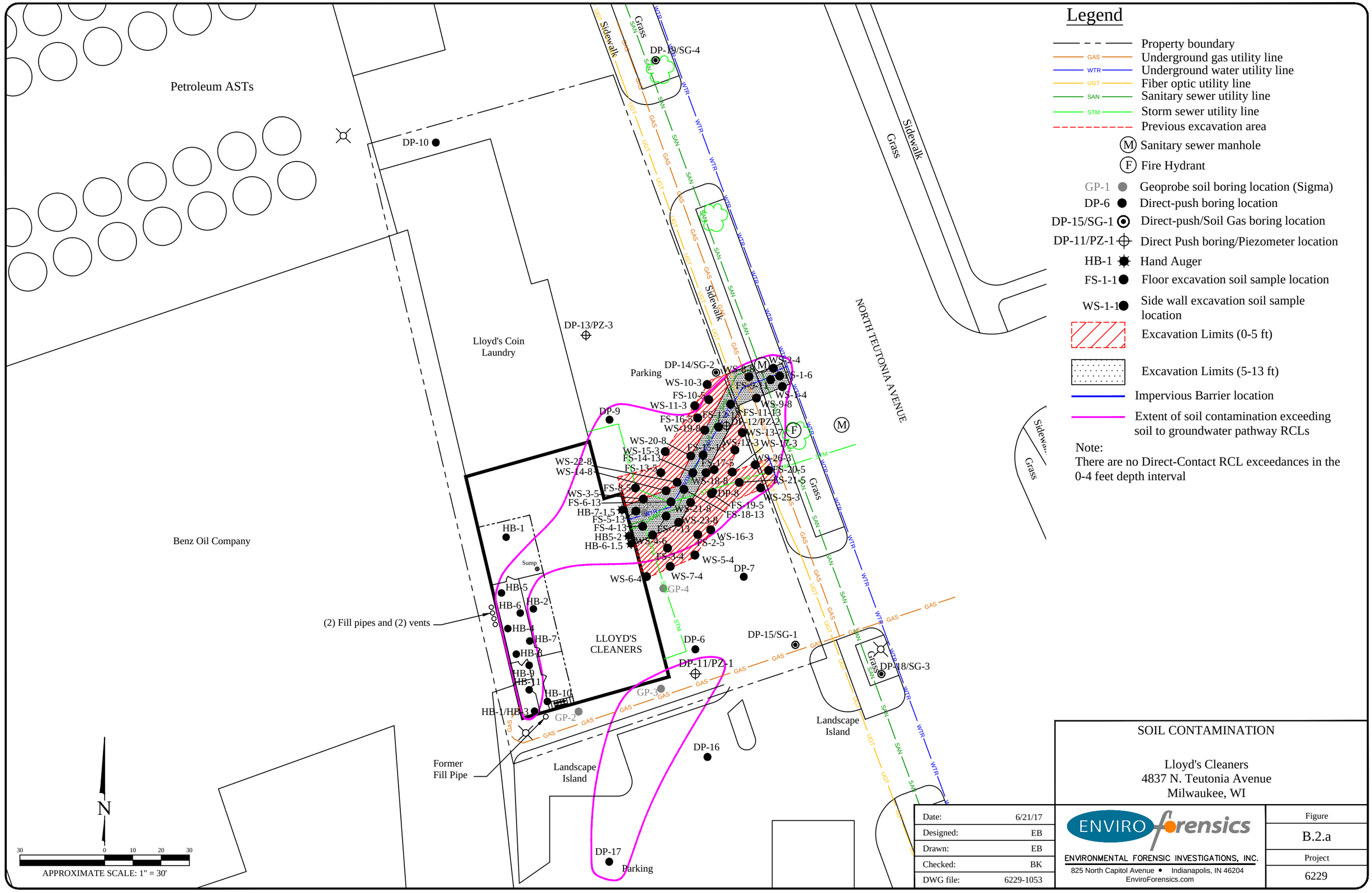
0.1 0 0.06 0.1 Miles

NAD_1983_HARN_Wisconsin_TM

1: 3,960

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made aregarding accuracy, applicability for a particular use, completemenss, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: http://dnr.wi.gov/org/legal/

Note: Not all sites are mapped.



Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole (M)
- Fire Hydrant (F)
- GP-1 Geoprobe soil boring location (Sigma)
- DP-6 Direct-push boring location
- DP-15/SG-1 Direct-push/Soil Gas boring location
- DP-11/PZ-1 Direct Push boring/Piezometer location
- HB-1 Hand Auger
- FS-1-1 Floor excavation soil sample location
- WS-1-1 Side wall excavation soil sample location
- Excavation Limits (0-5 ft)
- Excavation Limits (5-13 ft)
- Impervious Barrier location
- Extent of soil contamination exceeding soil to groundwater pathway RCLs

Note:
There are no Direct-Contact RCL exceedances in the 0-4 feet depth interval

SOIL CONTAMINATION

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/21/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1053

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ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
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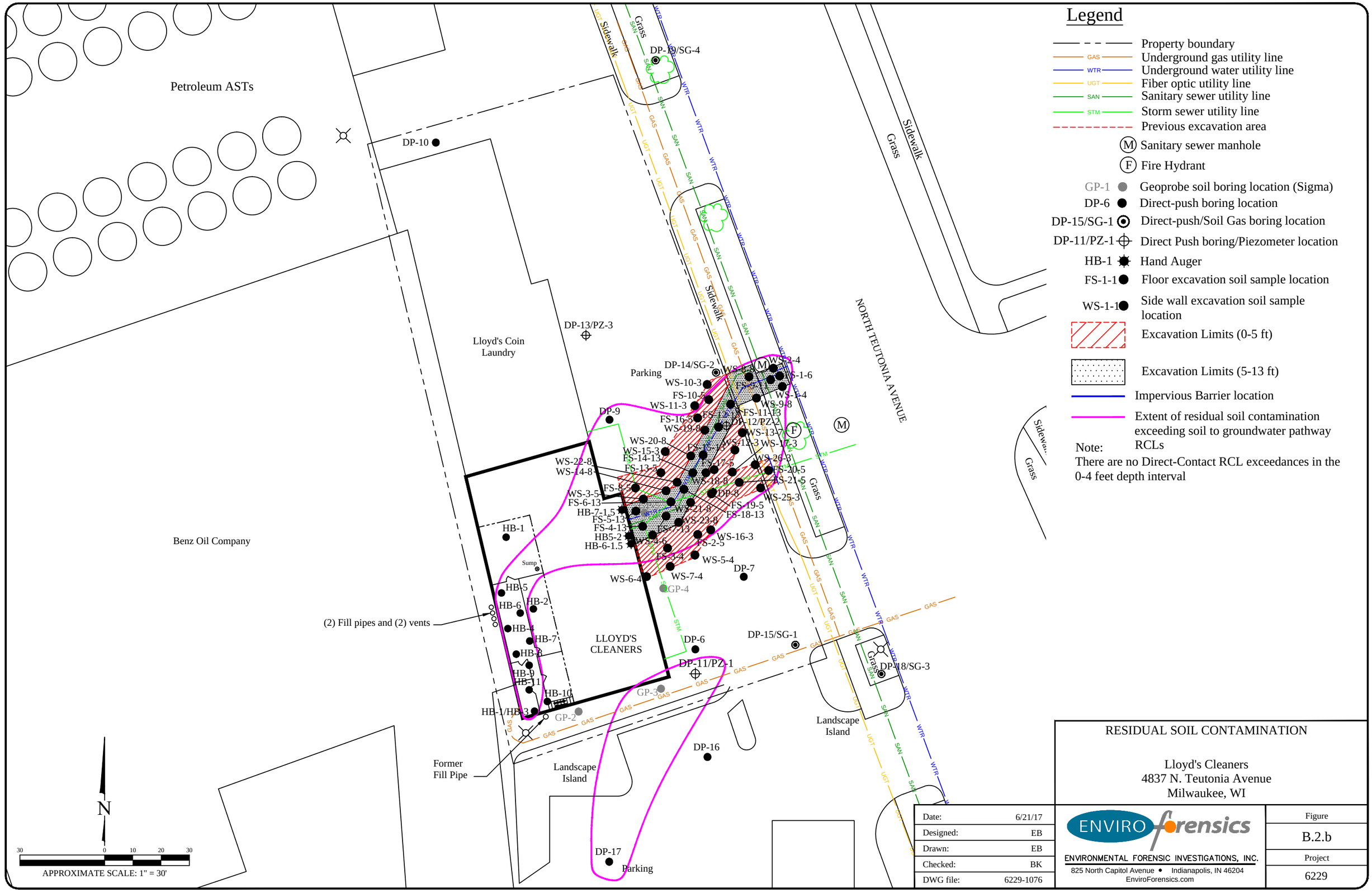
Figure
B.2.a

Project
6229



Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole
- Fire Hydrant
- GP-1 — Geoprobe soil boring location (Sigma)
- DP-6 — Direct-push boring location
- DP-15/SG-1 — Direct-push/Soil Gas boring location
- DP-11/PZ-1 — Direct Push boring/Piezometer location
- HB-1 — Hand Auger
- FS-1-1 — Floor excavation soil sample location
- WS-1-1 — Side wall excavation soil sample location
- Excavation Limits (0-5 ft)
- Excavation Limits (5-13 ft)
- Impervious Barrier location
- Extent of residual soil contamination exceeding soil to groundwater pathway RCLs

Note:
There are no Direct-Contact RCL exceedances in the 0-4 feet depth interval

RESIDUAL SOIL CONTAMINATION

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/21/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1076

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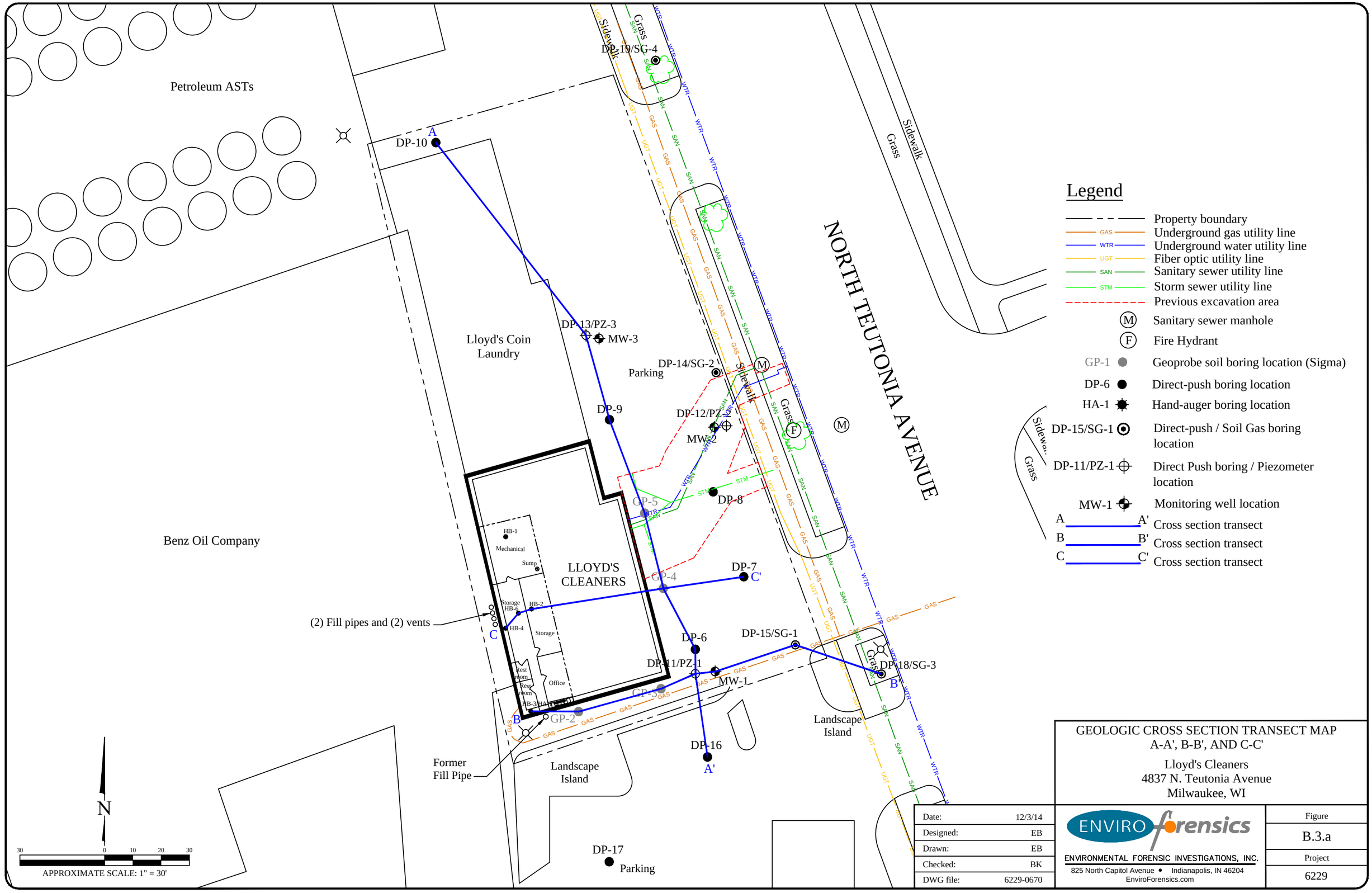
Figure
B.2.b

Project
6229



GEOLOGIC CROSS SECTION TRANSECT MAP
A-A', B-B', AND C-C'

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	12/3/14
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-0670

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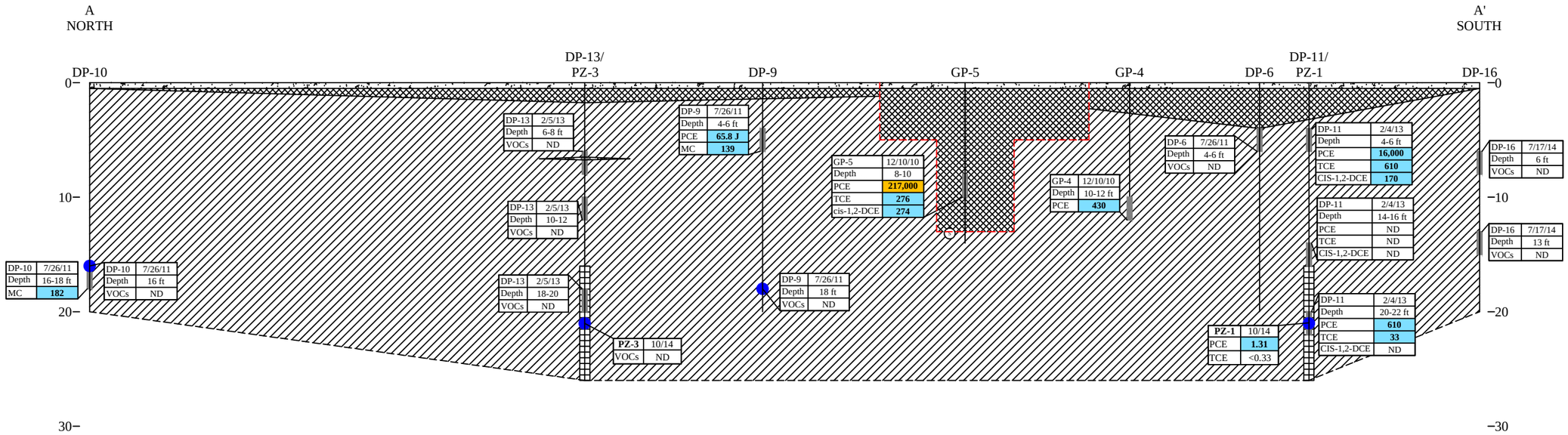
Figure
B.3.a

Project
6229



Legend

- Concrete/Asphalt
- Fill
- Clay
- Top Soil
- Gravel
- Soil sample depth interval
- Groundwater sample depth interval
- Monitoring well screen
- Dashed boundaries are inferred
- Previous excavation area
- Sewer lateral

Analytes	Public Health Enforcement Standards	Public Health Preventive Action Limit
PCE	**5**	**0.5**
TCE	**5**	**0.5**
cis-1,2-TCE	**70**	**7.0**
trans-1,2-DCE	**100**	**20**
VC	**0.2**	**0.02**
MC	**5.0**	**0.5**
Benzene	**5.0**	**0.5**
Ethylbenzene	**700**	**140**
n-Pb	NE	NE
Toluene	**1,000**	**200**
Xylenes (Total)	**10,000**	**1,000**

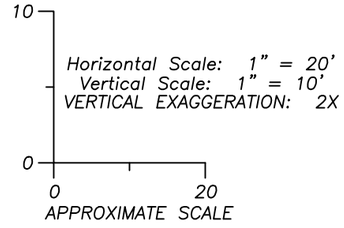
Groundwater Notes:

1. Bold, shaded blue values are above SRCL Soil to Groundwater Closure Levels
2. Results reported in micrograms per liter = ug/L
3. J = Estimated concentration above the method detection limit and below the reporting limit
4. PCE = Tectrachloroethene
5. TCE = Trichloroethene
6. cis-1,2-DCE = cis-1,2-Dichloroethene
7. trans-1,2-DCE = trans-1,2-Dichloroethene
8. MC = Methylene Chloride
9. n-Pb = n-Propylbenzene
10. VOCs = Volatile Organic Compounds
11. ND = Non-Detect
12. NE = Not Established
13. NR = Not Recorded

Analytes	Soil Residual Containment Level		
	Ingestion Industrial	Residential	Soil to Groundwater
PCE	**153,000**	**30,700**	**4.5**
TCE	**8,810**	**644**	**3.6**
cis-1,2-TCE	**2,400,000**	**156,000**	**41.2**
trans-1,2-DCE	**976,000**	**211,000**	**58.8**
MC	**1,070,000**	**60,700**	**2.6**
sec-Bb	NE	NE	NE
n-Bb	NE	NE	NE
Ipb	NE	NE	NE
n-Pb	NE	NE	NE

Soil Notes:

1. Bold, shaded blue values are above SRCL Soil to Groundwater Closure Levels
2. Bold, shaded orange values are above SRCL Ingestion Industrial Levels
3. Results reported in micrograms per kilogram = ug/kg
4. J = Estimated concentration above the method detection limit and below the reporting limit
5. PCE = Tectrachloroethene
6. TCE = Trichloroethene
7. cis-1,2-DCE = cis-1,2-Dichloroethene
8. trans-1,2-DCE = trans-1,2-Dichloroethene
9. MC = Methylene Chloride
10. sec-Bb = sec-Butylbenzene
11. n-Bb = n-Butylbenzene
12. Ipb = Isopropylbenzene
13. n-Pb = n-Propylbenzene
14. ND = Compounds not detected
15. NE = Not Established
16. VOCs = Volatile Organic Compounds



GEOLOGIC CROSS SECTION A-A'

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	12/3/14
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-0670

ENVIRO forensics
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825 North Capitol Avenue • Indianapolis, IN 46204
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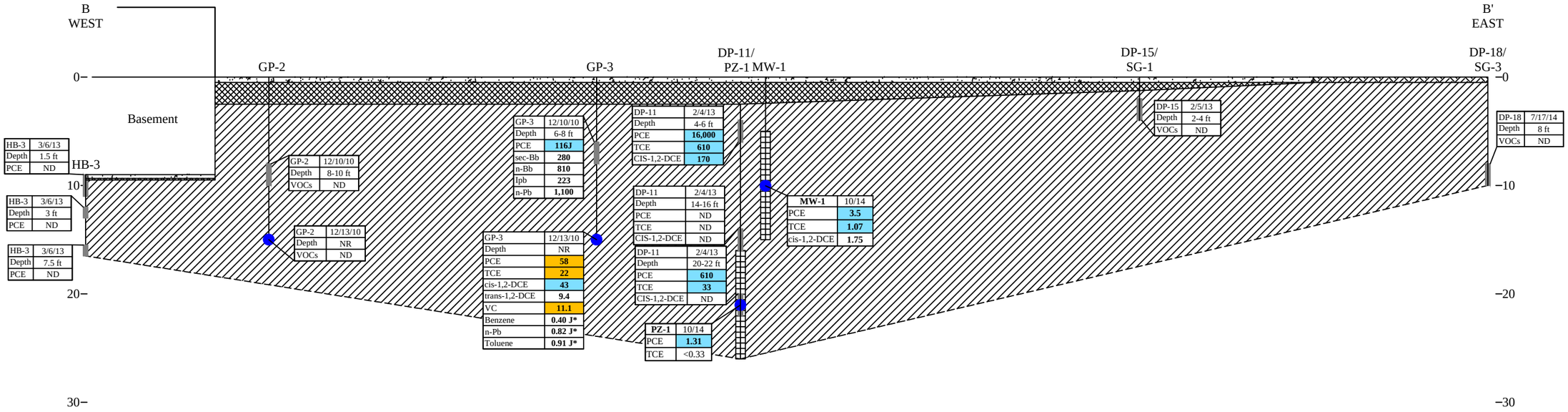
Figure	
B.3.a.1	
Project	
6229	



Legend

- Concrete/Asphalt
- Fill
- Clay
- Top Soil
- Gravel
- Soil sample depth interval
- Groundwater sample depth interval
- Monitoring well screen
- Dashed boundaries are inferred

Analytes	Public Health Enforcement Standards	Public Health Preventive Action Limit
PCE	**5**	**0.5**
TCE	**5**	**0.5**
cis-1,2-TCE	**70**	**7.0**
trans-1,2-DCE	**100**	**20**
VC	**0.2**	**0.02**
MC	**5.0**	**0.5**
Benzene	**5.0**	**0.5**
Ethylbenzene	**700**	**140**
n-Pb	NE	NE
Toluene	**1,000**	**200**
Xylenes (Total)	**10,000**	**1,000**

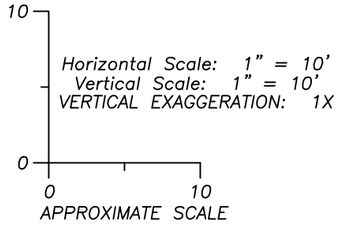
Groundwater Notes:

1. Bold, shaded blue values are above SRCL Soil to Groundwater Closure Levels
2. Results reported in micrograms per liter = ug/L
3. J = Estimated concentration above the method detection limit and below the reporting limit
4. PCE = Tectrachloroethene
5. TCE = Trichloroethene
6. cis-1,2-DCE = cis-1,2-Dichloroethene
7. trans-1,2-DCE = trans-1,2-Dichloroethene
8. MC = Methylene Chloride
9. n-Pb = n-Propylbenzene
10. VOCs = Volatile Organic Compounds
11. ND = Non-Detect
12. NE = Not Established
13. NR = Not Recorded

Analytes	Soil Residual Containment Level		
	Ingestion Industrial	Residential	Soil to Groundwater
PCE	**153,000**	**30,700**	**4.5**
TCE	**8,810**	**644**	**3.6**
cis-1,2-TCE	**2,400,000**	**156,000**	**41.2**
trans-1,2-DCE	**976,000**	**211,000**	**58.8**
MC	**1,070,000**	**60,700**	**2.6**
sec-Bb	NE	NE	NE
n-Bb	NE	NE	NE
Ipb	NE	NE	NE
n-Pb	NE	NE	NE

Soil Notes:

1. Bold, shaded blue values are above SRCL Soil to Groundwater Closure Levels
2. Bold, shaded orange values are above SRCL Ingestion Industrial Levels
3. Results reported in micrograms per kilogram = ug/kg
4. J = Estimated concentration above the method detection limit and below the reporting limit
5. PCE = Tectrachloroethene
6. TCE = Trichloroethene
7. cis-1,2-DCE = cis-1,2-Dichloroethene
8. trans-1,2-DCE = trans-1,2-Dichloroethene
9. MC = Methylene Chloride
10. sec-Bb = sec-Butylbenzene
11. n-Bb = n-Butylbenzene
12. Ipb = Isopropylbenzene
13. n-Pb = n-Propylbenzene
14. ND = Compounds not detected
15. NE = Not Established
16. VOCs = Volatile Organic Compounds



GEOLOGIC CROSS SECTION B-B'

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	12/3/14
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-0670

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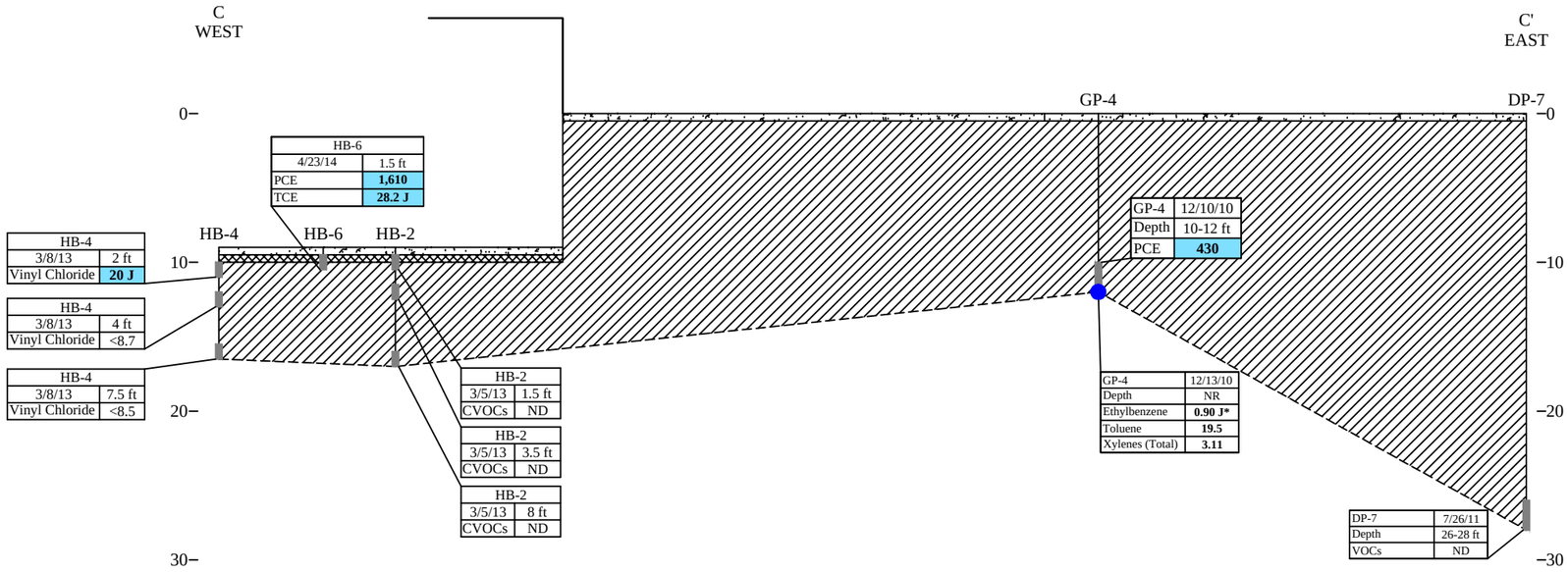
Figure	
B.3.a.2	
Project	
6229	



Analytes	Public Health Enforcement Standards	Public Health Preventive Action Limit
PCE	**5**	**0.5**
TCE	**5**	**0.5**
cis-1,2-TCE	**70**	**7.0**
trans-1,2-DCE	**100**	**20**
VC	**0.2**	**0.02**
MC	**5.0**	**0.5**
Benzene	**5.0**	**0.5**
Ethylbenzene	**700**	**140**
n-Pb	NE	NE
Toluene	**1,000**	**200**
Xylenes (Total)	**10,000**	**1,000**

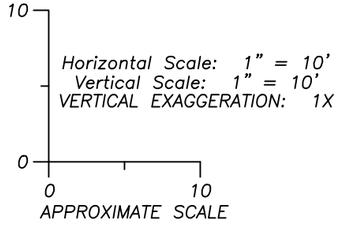
Groundwater Notes:
1. Bold, shaded blue values are above SRCL Soil to Groundwater Closure Levels
2. Results reported in micrograms per liter = ug/L
3. J = Estimated concentration above the method detection limit and below the reporting limit
4. PCE = Tectrachloroethene
5. TCE = Trichloroethene
6. cis-1,2-DCE = cis-1,2-Dichloroethene
7. trans-1,2-DCE = trans-1,2-Dichloroethene
8. MC = Methylene Chloride
9. n-Pb = n-Propylbenzene
10. VOCs = Volatile Organic Compounds
11. ND = Non-Detect
12. NE = Not Established
13. NR = Not Recorded

Analytes	Soil Residual Containment Level		
	Ingestion Industrial	Residential	Soil to Groundwater
PCE	**153,000**	**30,700**	**4.5**
TCE	**8,810**	**644**	**3.6**
cis-1,2-TCE	**2,400,000**	**156,000**	**41.2**
trans-1,2-DCE	**976,000**	**211,000**	**58.8**
MC	**1,070,000**	**60,700**	**2.6**
sec-Bb	NE	NE	NE
n-Bb	NE	NE	NE
Ipb	NE	NE	NE
n-Pb	NE	NE	NE

Soil Notes:
1. Bold, shaded blue values are above SRCL Soil to Groundwater Closure Levels
2. Bold, shaded orange values are above SRCL Ingestion Industrial Levels
3. Results reported in micrograms per kilogram = ug/kg
4. J = Estimated concentration above the method detection limit and below the reporting limit
5. PCE = Tectrachloroethene
6. TCE = Trichloroethene
7. cis-1,2-DCE = cis-1,2-Dichloroethene
8. trans-1,2-DCE = trans-1,2-Dichloroethene
9. MC = Methylene Chloride
10. sec-Bb = sec-Butylbenzene
11. n-Bb = n-Butylbenzene
12. Ipb = Isopropylbenzene
13. n-Pb = n-Propylbenzene
14. ND = Compounds not detected
15. NE = Not Established
16. VOCs = Volatile Organic Compounds

Legend

- Concrete/Asphalt
- Fill
- Clay
- Top Soil
- Gravel
- Soil sample depth interval
- Groundwater sample depth interval
- Monitoring well screen
- Dashed boundaries are inferred



GEOLOGIC CROSS SECTION C-C'

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	4/10/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-0670

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Figure
B.3.a.3
Project
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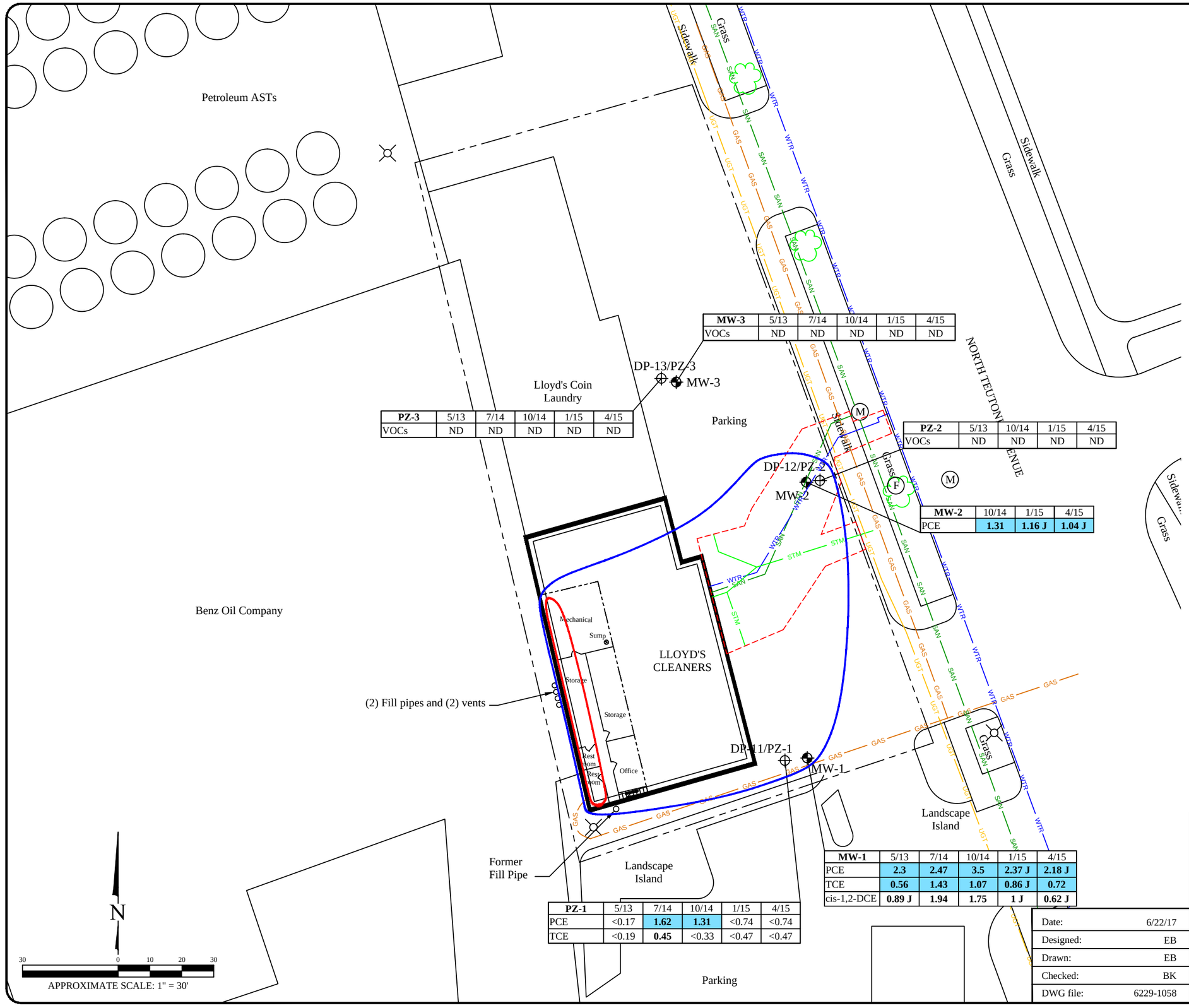

MW-3	5/13	7/14	10/14	1/15	4/15
VOCs	ND	ND	ND	ND	ND

PZ-3	5/13	7/14	10/14	1/15	4/15
VOCs	ND	ND	ND	ND	ND

PZ-2	5/13	10/14	1/15	4/15
VOCs	ND	ND	ND	ND

MW-2	10/14	1/15	4/15
PCE	**1.31**	**1.16 J**	**1.04 J**

MW-1	5/13	7/14	10/14	1/15	4/15
PCE	**2.3**	**2.47**	**3.5**	**2.37 J**	**2.18 J**
TCE	**0.56**	**1.43**	**1.07**	**0.86 J**	**0.72**
cis-1,2-DCE	**0.89 J**	**1.94**	**1.75**	**1 J**	**0.62 J**

PZ-1	5/13	7/14	10/14	1/15	4/15
PCE	<0.17	**1.62**	**1.31**	<0.74	<0.74
TCE	<0.19	**0.45**	<0.33	<0.47	<0.47

Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole (M)
- Fire Hydrant (F)
- DP-11/PZ-1 — Direct Push boring / Piezometer location
- MW-1 — Monitoring well location

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	**0.5**	**5**
TCE	**0.5**	**5**
cis-1,2-DCE	**7**	**70**

Note:

1. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
2. Bolded values are above detection limits
3. J = Estimated concentration above the method detection limit and below the reporting limit
4. Samples analyzed using EPA SW-846 Method 8260
5. All results reported in units of micrograms per liter (ug/L)
6. PCE = Tetrachloroethylene
7. TCE = Trichloroethylene
8. cis-1,2-DCE = cis-1,2,-Dichloroethene
9. VOCs = Volatile Organic Compounds
10. ND = Not detected

Extent of residual groundwater impacts exceeding PALs
Extent of residual groundwater impacts exceeding ESs

GROUNDWATER ISOCONCENTRATION

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/22/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1058

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Figure
B.3.b

Project
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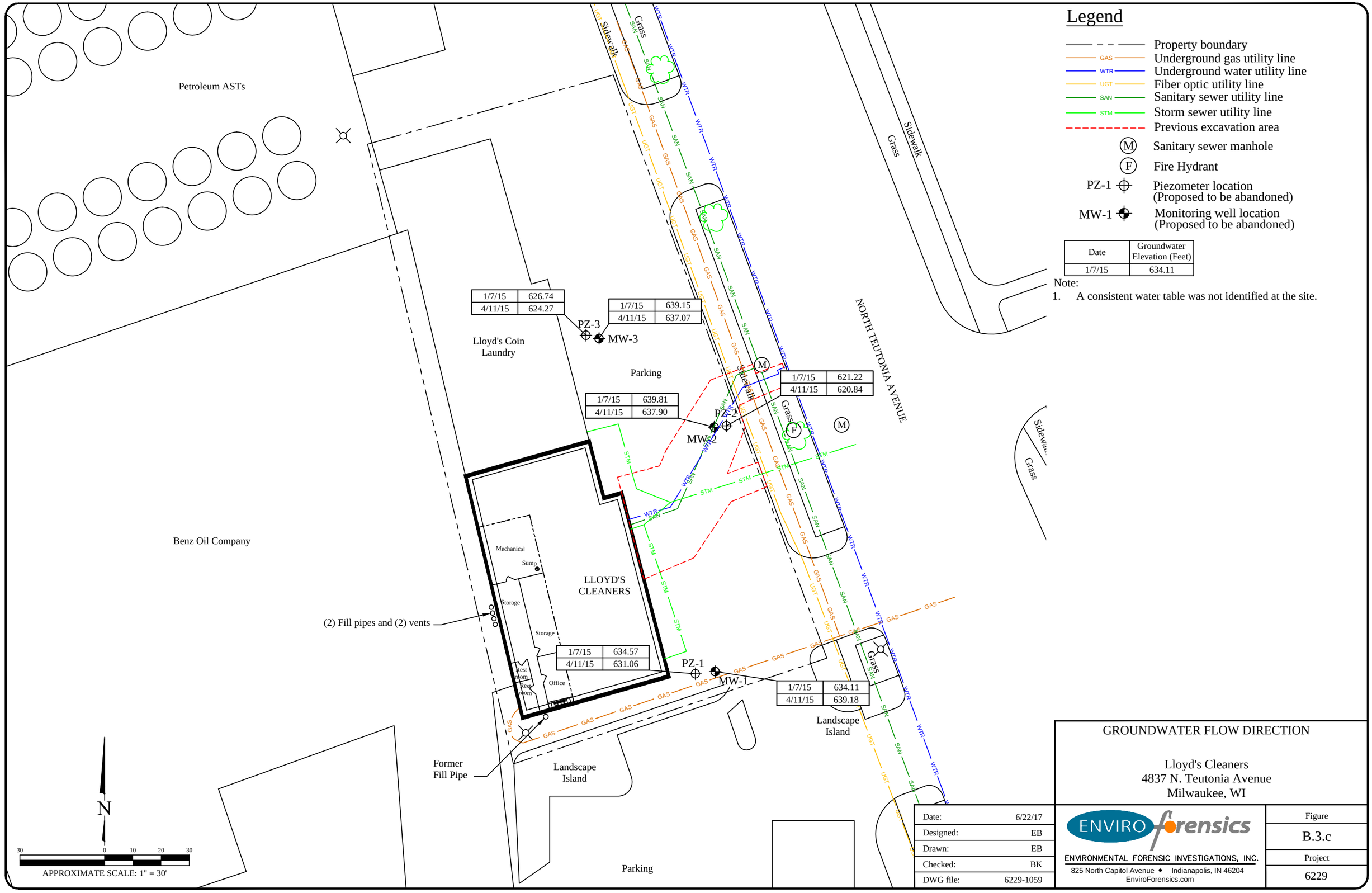

Legend

- Property boundary
- GAS — Underground gas utility line
- WTR — Underground water utility line
- UGT — Fiber optic utility line
- SAN — Sanitary sewer utility line
- STM — Storm sewer utility line
- Previous excavation area
- M — Sanitary sewer manhole
- F — Fire Hydrant
- PZ-1 — Piezometer location (Proposed to be abandoned)
- MW-1 — Monitoring well location (Proposed to be abandoned)

Date	Groundwater Elevation (Feet)
1/7/15	634.11

Note:
1. A consistent water table was not identified at the site.

GROUNDWATER FLOW DIRECTION

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/22/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1059

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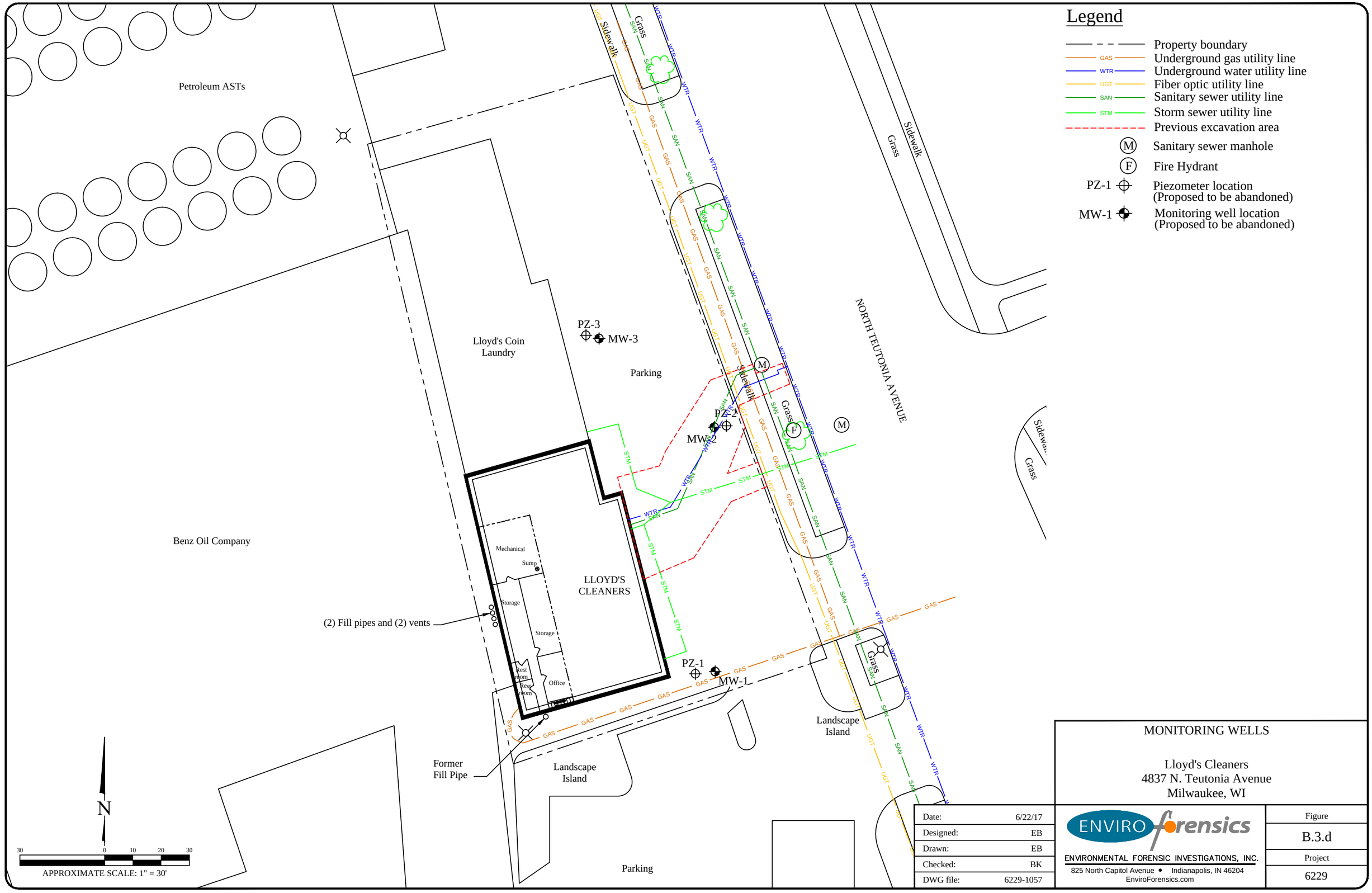
Figure
B.3.c
Project
6229



MONITORING WELLS

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/22/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1057

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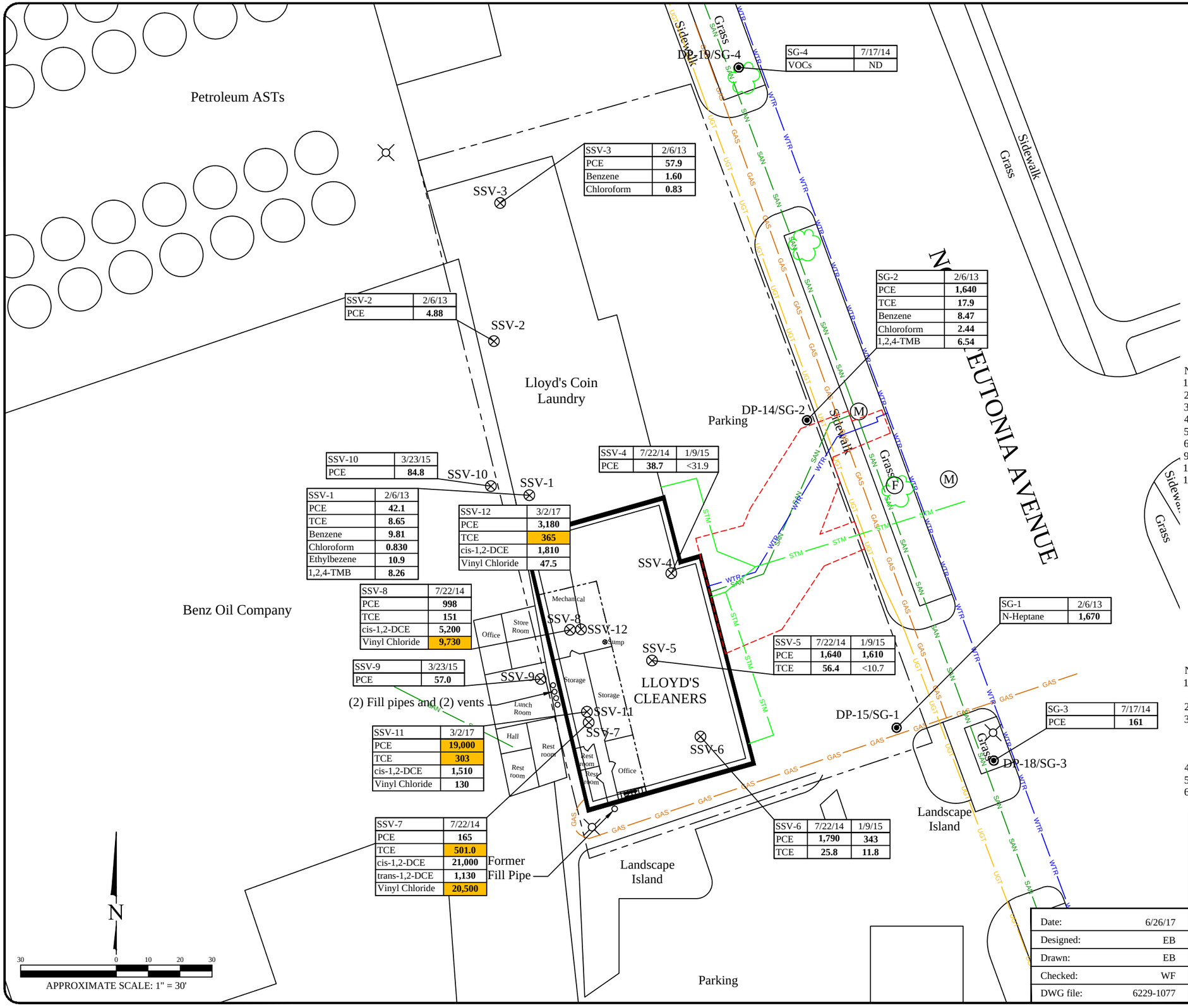
Figure	
B.3.d	
Project	
6229	



Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole (M)
- Fire Hydrant (F)
- DP-15/SG-1 — Direct-push / Soil Gas boring location
- SSV-1 — Sub-slab vapor location

Analytes	Soil Gas Vapor Risk Screening Level
PCE	**18,000**
TCE	**880**
Benzene	**1,600**
Chloroform	**530**
1,2,4-TMB	**NE**
N-Heptane	**NE**

Notes:
1. Bold, shaded orange values exceed Vapor Risk Screening Levels
2. Bolded values are above detection limits
3. Results reported in micrograms per cubic meter = ug/m3
4. PCE = Tectrachloroethene
5. TCE = Trichloroethene
6. 1,2,4-TMB = 1,2,4-Trimethytlbenzene
9. VOCs = Volatile Organic Compounds
10. ND = Not detected
11. NE = Not Established

Sub-slab vapor	
Analyte	Small Commercial Vapor Risk Screening Level [1]
PCE	**6,000**
TCE	**290**
cis-1,2-DCE	**NE**
trans-1,2-DCE	**NE**
Vinyl Chloride	**930**
Benzene	**530**
Chloroform	**180**
Ethylbenzene	**1,600**
1,2,4-TMB	**1,000**

Note:
1. Bolded and shaded values exceed Small Commercial Vapor Risk Screening Levels
2. All results reported in micrograms per cubic meter (ug/m3)
3. 1 = Vapor Risk Screening Levels are based on U.S. E.P.A.'s Regional Screening Levels (RSL's) for industrial indoor air with an attenuation factor of 0.1 for sub-slab samples a 0.1 adjustment for 1 x 10-5 lifetime cancer risk for carcinogens
4. cis-1,2-DCE = cis-1,2-Dichloroethene
5. trans-1,2-DCE = trans,1,2-Dichloroethene
6. 1,2,4-TMB = 1,2,4-Trimethylbenzene

VAPOR INTRUSION MAP

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/26/17
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6229-1077

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Figure
B.4.a

Project
6229

ATTACHMENT C – DOCUMENTATION OF REMEDIAL ACTION

C.1. Site Investigation Documentation – Not Applicable. All investigation data was previously reported.

C.2. Waste Disposal Documentation

C.3. Not Applicable – Default RCLs were used

C.4. Remedial Action Report

C.5. Decommissioning of Remedial Systems – Not Applicable. There are no remediation systems at the site.

C.6. Other - Not Applicable

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
W I D 9 8 8 5 9 8 8 6 8	1	414-236-1080	100703

5. Generator's Name and Mailing Address
Att: Tom Anderson
Lloyds Cleaners
4857 N Teutonia Avenue
Milwaukee WI 53209
Generator's Phone: 414-588-0847

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Badger Disposal of WI., Inc. — U.S. EPA ID Number: W I D 9 8 8 5 8 0 0 5 6

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Badger Disposal of WI, Inc.
5611 West Hemlock Street
Milwaukee WI 53223
Facility's Phone: 414-768-9175

U.S. EPA ID Number: W I D 9 8 8 5 8 0 0 5 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-regulated material	11	DM	605	G	NONE
	2. Non-regulated material	2	DM	110	G	NONE
	3.					
	4.					

GENERATOR

13. Special Handling Instructions and Additional Information
1)(S) WS033953 investigation derived media-soil 2)(L) WS033954 Purge Water Emergency Contact: 414-236-1080

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Brian Kappen - Agent for Lloyds Cleaners — Signature — Month: 10 Day: 7 Year: 13

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Pagelsen — Signature — Month: 10 Day: 7 Year: 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Sarah Wolosen — Signature: Sarah Wolosen — Month: 10 Day: 8 Year: 13

6-NHM-CC-11

1-DESIGNATED FACILITY TO DESTINATION

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WID 986 598 693	1	(800) 424-9300	013141925 JJK

GENERATOR

5. Generator's Name and Mailing Address: TOM ANDERSON/FORMER LLOYD'S
4837 N TEUTONIA AVENUE
MILWAUKEE, WI 53209
Generator's Phone: (414) 962-3968

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TRIAD TRANSPORT, INC.
U.S. EPA ID Number: OKD 981 586 791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PL
40350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592 5489
U.S. EPA ID Number: MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ NA3077, HAZARDOUS WASTE SOLID, N.O.S. (TETRACHLOROETHYLENE), 9, PGIII, D039	001	CM		T	D039
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. D1480S1MDI / D039 Soil
SITE CONTACT: GRAHAM BILLS

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] for Lloyd's Cleaners
Signature
Month: 04 Day: 25 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WID 988 598 668	1	(260) 224-3219	013141926 JJK

GENERATOR

5. Generator's Name and Mailing Address
TOM AND RSON/FORMER LLOYDS
4837 N. TEUTONIA AVENUE
MILWAUKEE, WI 53209
Generator's Phone: (414) 962-3986

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
TRIAD TRANSPORT, INC.

U.S. EPA ID Number
ORD 981 068 781

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489

U.S. EPA ID Number
MID 000 724 831

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE), 9, PGIII, D039	001	DM		T	D039
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. D146091MDI / D039 Soil
ER CONTACT: GRAHAM BILLS

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	04	25	14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	4	25	14
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

\# 140007-475A

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	WID 988 598 868
2. Page 1 of	1
3. Emergency Response Phone	(200) 224-3219
4. Manifest Tracking Number	013141924 JJK

5. Generator's Name and Mailing Address: TOM ANDERSON/FORMER LLOYDS
4837 N TEUTONIA AVENUE
MILWAUKEE WI 53209

Generator's Site Address (if different than mailing address)

Generator's Phone: (414) 982 3968

6. Transporter 1 Company Name: TRIAD TRANSPORT, INC.
U.S. EPA ID Number: OKD 981 588 791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PL
49350 N I-94 SERVICE DRIVE
BELLEVILLE MI 48111
U.S. EPA ID Number: MID 000 724 831

Facility's Phone: (800) 592-5489

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE SOLID, N.O.S. (TETRACHLOROETHYLENE), 9, PGIII, D039	001	CM		T	D039
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. D146091MDI / D039 Soil
*** ER CONTACT - GRAHAM BILLS **

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] as Agent for Lloyds [illegible] | Signature: [illegible] as Agent for Lloyds [illegible] | Month 4 | Day [illegible] | Year [illegible]

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name | Signature | Month | Day | Year
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name | Signature | Month | Day | Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

140007-475A

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WID 988 598 568	1	(800) 224-3219	013141923 JJK

GENERATOR

5. Generator's Name and Mailing Address: TOM ANDERSON/FORMER LLOYD, 4837 N. TEUTONIA AVENUE, MILWAUKEE, WI 53209
Generator's Site Address (if different than mailing address)
Generator's Phone: (414) 962-4988

6. Transporter 1 Company Name: TRIAD TRANSPORT, INC. U.S. EPA ID Number: OKD 981 568 781

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PL, 49350 N I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 U.S. EPA ID Number: MID 000 724 831
Facility's Phone: (800) 592-5489

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA1993, HAZARDOUS WASTE SOLID N.O.S. (TETRACHLOROETHYLENE), 9, PGIII, D039	001	CM	37 yd 687	T	D039
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. D146091 MDI / D039 Soil
ER CONTACT - GRAHAM BELL

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Timothy Jordan for Thomas Anderson				

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
GLENN BAKER		4	30	14
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. GENERATOR'S INITIAL COPY

Lloyds Dry Cleaners

Special Waste

4/21/2014		4/22/2014		4/23/2014		4/24/2014		4/25/2014		4/26/2014	
1045467	19.68	1045470	21.6	1045473	21.49	1045480	23.15	1045484	17.51	1045490	24.31
1045468	23.63	1045471	23.15	1045474	23.48	1045481	23.1	1045485	6.12		
1045469	23.8	1045472	22.3	1045475	17.72	1045482	18.9				
		1045497	24.48	1045496	24.08	1045483	10.63				
		1045498	22.88			1045476	25.8				
		1045499	23.12			1045477	23.94				
		1045500	24.18			1045478	23.43				
		1045501	24.67			1045479	21.97				
						1045494	24.21				
						1045495	22.53				
Subtotal	67.11		186.38		86.77		217.66		23.63		24.31

Total Tons	**605.86**

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045467

#140007-465A

BILL TO: HIS Contractors

WM A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: _____ / ____ / ____ Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JD , 4/21/14 Date

DRIVERS SIGNATURE: R. Zeller , 4/21/14 Date TRUCK NO. 09 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard-Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045468

#140007-465A

BILL TO: HIS Contractors

WM A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathon Jordan - As Agent for Lloyds Cleaners 4/21/2014 Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JD , 4/21/14 Date

DRIVERS SIGNATURE: R Zeller 4/21/14 Date TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045469

#140007-465-A

BILL TO: HIS Contractors

WM A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/21/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JV / 4/21/14
Date

DRIVERS SIGNATURE: R Eller 4 / 21 / 14 TRUCK NO. 9 _____ TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045470

140007-465A

WM A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/22/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: 4/22/14
Date

DRIVERS SIGNATURE: R Eller 4/22/14 TRUCK NO. 9 21.60 TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045471

140007-465A

WM A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/22/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: 4/22/14
Date

DRIVERS SIGNATURE: R Eller 4/22/14 TRUCK NO. 9 TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045472

#140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/22/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: JP / 4/22/14
Date

DRIVERS SIGNATURE: R. Eller 4/22/14 TRUCK NO. 9 _____ TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045497

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/22/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: JP / 4/22/14
Date

DRIVERS SIGNATURE: R. Eller 4/22/14 TRUCK NO. 9 _____ TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045498

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners Date 4/22/201

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JP Date 4/22/14

DRIVERS SIGNATURE: R Ellen 4/22/14 Date TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

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dge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045499

140007-465A

TO: HIS Contractors

A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners Date 4/22/201

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JP Date 4/22/14

DRIVERS SIGNATURE: R Ellen 4/22/14 Date TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045500

140007-465A

A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent For Lloyds Cleaners 4/22/14
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: JD 4/22/14
Date

DRIVERS SIGNATURE: R Ellen 4/22/14
Date

TRUCK NO. 9 2418 TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045501

140007-465A

A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/22/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: JD 4/22/14
Date

DRIVERS SIGNATURE: R Ellen 4/22/14
Date

TRUCK NO. 9 2418 TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045473

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent For Lloyds Cleaners 4/23/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JD 4/23/14
Date

DRIVERS SIGNATURE: R Ellen 4/23/14 TRUCK NO. 9 _____ TONS/YARDS
Date

21.49

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045474

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JD 4/23/14
Date

DRIVERS SIGNATURE: R Ellen 4/23/14 TRUCK NO. 9 _____ TONS/YARDS
Date

4/23/14

8.13

28

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045475

A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: [signature] Agent for Lloyd's Cleaners, 4/23/14 (Date)

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: JP 4/23/14 (Date)

DRIVERS SIGNATURE: R Ellis 4/23/14 (Date) TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045496

140007-465A

A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/23/2014 (Date)

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: JP 4/23/14 (Date)

DRIVERS SIGNATURE: R Ellis 4/23/14 (Date) TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045484

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Agent for Lloyd's Cleaners, Date 4/25/14

WASTE DESCRIPTION: Contaminated Soil

PROFILE # VI19982WI

ACCEPTED BY: JP, Date 4/25/14

DRIVERS SIGNATURE: R Ellen 4/25/14 TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

1 of 2

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045485

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Agent for Lloyd's Cleaners, Date 4/25/14

WASTE DESCRIPTION: Contaminated Soil

PROFILE # VI19982WI

ACCEPTED BY: JP, Date 4/25/14

DRIVERS SIGNATURE: R Ellen 4/25/14 TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

2 of 2

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET 1045490

A 140007 - 465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Agent for Lloyd's Claimants Date 4/26/14

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: Date 4/26/14

DRIVERS SIGNATURE: 4/26/14 TRUCK NO. 9 _____ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET 1045480

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathon Jordan As Agent for Lloyds Cleaners 4/24/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: _____ 4/25/14
Date

DRIVERS SIGNATURE: R Eller 4/25/14 TRUCK NO. 9 2315 TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET 1045481

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathon Jordan As Agent for Lloyds Cleaners 4/24/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: _____ 4/25/14
Date

DRIVERS SIGNATURE: _____ 4/25/14 TRUCK NO. 19 2310 TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045482

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathon Jordan As Agent for Lloyds Cleaners 4/24/14
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: _____ 4/25/14
Date

DRIVERS SIGNATURE: _____ 4/25/14 TRUCK NO. 9 _____ TONS/YARDS
Date

18.90

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045483

140007-465A

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathon Jordan As Agent for Lloyds Cleaners 4/24/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: _____ 4/25/14
Date

DRIVERS SIGNATURE: _____ 4/25/14 TRUCK NO. 19 _____ TONS/YARDS
Date

19.20

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET

1045476

#140007-465A

BILL TO: HIS Contractors

WM A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent For Lloyds Cleaners 4/24/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JP 4/24/14
Date

DRIVERS SIGNATURE: R Eller 4/24/14 TRUCK NO. 9 _____ TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET

1045477

#140007-465A-1

BILL TO: HIS Contractors

WM A Waste Management Company

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/24/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JP 4/24/14
Date

DRIVERS SIGNATURE: R Eller 4/24/14 TRUCK NO. 9 _____ TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET 1045478

A 140002-468AEA

A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/24/2014 Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JD 4/24/14 Date

DRIVERS SIGNATURE: R. Edler 4/24/14 Date TRUCK NO. 9 ______ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET 1045479

A Waste Management Company

BILL TO: HIS Contractors

TRANSPORTER:

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathan Jordan As Agent for Lloyds Cleaners 4/24/2014 Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # V119982WI

ACCEPTED BY: JD 4/24/14 Date

DRIVERS SIGNATURE: R. Edler 4/24/14 Date TRUCK NO. 9 ______ TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045494

1400091465ACA

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathon Jordan As Agent for Lloyds Cleaners 4/24/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: _____ 4/24/14
Date

DRIVERS SIGNATURE: R Eller 4/24/14 TRUCK NO. 9 2421 TONS/YARDS
Date

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Orchard Ridge

SPECIAL WASTE MANIFEST DISPOSAL TICKET — 1045495

1400091465ACA

BILL TO: HIS Contractors

A Waste Management Company

TRANSPORTER: _____

GENERATOR: HIS Contractors

GENERATORS SIGNATURE: Jonathon Jordan As Agent for Lloyds Cleaners 4/24/2014
Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE #: V119982WI

ACCEPTED BY: JD 4/24/14
Date

DRIVERS SIGNATURE: R Eller 4/24/14 TRUCK NO. 9 _____ TONS/YARDS
Date

ES 00

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-8/95

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	W I D 9 8 8 5 9 8 8 6 8	1	800-424-9300	0 4 2 3 1 8

GENERATOR

5. Generator's Name and Mailing Address
Lloyds Cleaners
4837 N Teutonia Avenue
Milwaukee WI 53209
Generator's Phone: 414 588-9847

Att: Tom Anderson

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Badger Disposal of WI, Inc.
U.S. EPA ID Number: W I D 9 8 8 5 8 0 0 5 6

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Badger Disposal of WI, Inc
5611 West Hemlock Street
Milwaukee WI 53223
Facility's Phone: 414 760-8175
U.S. EPA ID Number: W I D 9 8 8 5 8 0 0 5 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-regulated material	2	DM	110	G	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1)(L) WS033954 Purge Water

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Brian Kapper / Agent for Lloyd's Cleaners
Signature
Month 4 Day 23 Year 15

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Anderson
Signature
Month 4 Day 23 Year 15
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Sarah Webster
Signature
Month 4 Day 28 Year 15

6-NHM-C-C-11

2-DESIGNATED FACILITY TO GENERATOR

Dry

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
Lloyd's Cleaners
4837 North Tutonia Avenue
Milwaukee WI 53209
4. Generator's Phone (209) 390-9814

Generator's Site Address (If different than mailing):
Lloyd's Cleaners
4837 North Tutonia Avenue
Milwaukee WI 53209

A. Manifest Number **WMNA**
B. State Generator's ID 723

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID / D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID / F. Transporter's Phone

9. Designated Facility Name and Site Address
Orchard Ridge RDF
W124 N9355 Boundary Road
Menomonee Falls, WI 53051

10. US EPA ID Number

G. State Facility ID
H. State Facility Phone 262-253-8620

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Dry Cleaning Solvent Impacted Soil WM Profile # V126479WI					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: **Kyle Heimstead (209) 390-9814**

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Agent of Client, Garret Schacht	Garret Schacht	02	15	2017

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Adam Swift		02	15	17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		2	15	17

WASTE MANAGEMENT

13466049

Orchard Ridge RDF
W124 N7955 Boundary Road
Menomonee Falls, WI, 53051
Ph: (262) 253-8620

Original
Ticket# 1524567

Customer Name ENVIROFORENICS ENVIRO FORENSI
Ticket Date 02/15/2017
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code A-24--06
Manifest na
Destination
PO
Profile V126479WI (DRY CLEANING SOLVENT IMPACTED SOIL)
Generator 136-LLOYDSCLEANERS LLOYDS CLEANERS

Carrier MORAINENEVIRONMENTAL MORAINE ENVIRON
Vehicle# 1
Container
Driver
Check#
Billing # 0004957
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/15/2017 13:26:07	InBound	jgindt		Gross	29940 lb
Out	02/15/2017 13:40:14	OutBound	jgindt		Tare	15380 lb
					Net	14460 lb
					Tons	7.23

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste VOC-Tons-5	100	7.23	Tons				WI
2	FUEL-Fuel Surcharg	100		%				WI
3	EVF-L-Standard Env	100	1	Load				WI

Total Tax
Total Ticket

403WM-N

Dry

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
Lloyd's Cleaners 4837 North Tutonia Avenue Milwaukee WI 53209	Lloyd's Cleaners 4837 North Tutonia Avenue Milwaukee WI 53209	WMNA
4. Generator's Phone (209) 390-9814		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address Orchard Ridge RDF W124 N9355 Boundary Road Menomonee Falls, WI 53051	10. US EPA ID Number	G. State Facility ID
		H. State Facility Phone 262-253-8620

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Dry Cleaning Solvent Impacted Soil WM Profile # V126479WI					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
BILL TO:	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: **Kyle Heimstead (209) 390-9814**

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Agent of Client, Contract		02	16	17

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Adam Sweet		02	16	17

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
			16	17

WASTE MANAGEMENT

13466295

Orchard Ridge RDF
W124 N7355 Boundary Road
Menomonee Falls, WI, 53051
Ph: (262) 259-8620

Original
Ticket# 1524923

Customer Name	ENVIROFORENICS ENVIRO FORENSI	Carrier	MORAINENEVIRONMENTAL MORAINE ENVIRON
Ticket Date	02/16/2017	Vehicle#	1 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0004957
State Waste Code	A-24-06	Gen EPA ID	
Manifest	na		
Destination		Grid	
PO			
Profile	V126479WI (DRY CLEANING SOLVENT IMPACTED SOIL)		
Generator	136-LLOYDSCLEANERS LLOYDS CLEANERS		

	Time	Scale	Operator	Inbound		
In	02/16/2017 13:38:09	InBound	jgindt		Gross	31340 lb
Out	02/16/2017 13:52:49	OutBound	jgindt		Tare	15260 lb
					Net	16080 lb
					Tons	8.04

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Sowaste VOC-Tons-S	100	8.04	Tons				WI
2	FUEL-Fuel Surcharg	100		%				WI
3	EVF-L-Standard Env	100	1	Load				WI

Total Tax
Total Ticket

403WM-N

REMEDIAL ACTION REPORT

Lloyd's Cleaners
4837 North Teutonia Avenue
Milwaukee, WI 53209
WDNR BRRTS# 02-41-556811

July 13, 2017

Prepared For:

Lloyd's Cleaners
4837 North Teutonia Avenue
Milwaukee, WI 53209

Prepared By:

Environmental Forensic Investigations, Inc.
N16 W23390 Stone Ridge Drive, Suite G
Waukesha, WI 53188
Phone: (262) 290-4001
www.enviroforensics.com

Brian Kappen, PG
Project Manager

Wayne Fassbender, PG, PMP
Senior Project Manager

Andrew Horwath, PE
Senior Engineer

Document: 6229-0970

TABLE OF CONTENTS

APPENDICES

CERTIFICATIONS

I, Andrew Horwath, 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.

Manager, Technical Group, PE #E-43831-6

Signature, title and P.E. number

WISCONSIN ANDREW D HORWATH E-43831-6 NOBLESVILLE, IN PROFESSIONAL ENGINEER

Digitally signed by Andrew D. Horwath Date: 2017.07.13 13:52:21 -04'00'

P.E. stamp

I, Brian Kappen, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the 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.

Project Manager

Signature and title

6/29/2017

Date

1.0 INTRODUCTION

This report provides a summary of remedial actions implemented at the Lloyd's Cleaners dry cleaning and laundry facility located at 4837 North Teutonia Avenue in Milwaukee, Wisconsin (Site). The remedial actions were conducted in accordance with the *Remedial Action Plan* dated March 14, 2016.

The remedial actions consisted of excavating soil beneath a portion of the basement floor slab, applying a vapor barrier to the basement wall, and installation of a sub-slab depressurization system (SSDS). The primary objective of the remedial actions was to eliminate the risk of vapor intrusion from elevated concentrations of chlorinated volatile organic compounds (CVOCs) detected in sub-slab vapor samples.

These remedial actions were designed to augment the interim actions implemented in 2014, and complete the remediation of accessible chlorinated solvent impacts at the Site. The interim remedial actions, documented in the *Interim Remedial Action Report*, dated August 28, 2014, included the exterior excavation of soils along leaking sanitary and storm laterals, utility lateral replacement, and installation of the basement foundation groundwater collection system.

This report summarizes the information supporting the decision to implement the selected remedial actions, provides detailed documentation of the remedial process and results, and provides recommendations for further Site actions to reach closure.

2.0 BACKGROUND

The Lloyd's Cleaners property (Site) is located at 4837 North Teutonia Avenue, Milwaukee, Wisconsin (**Figure 1**). The Site is located in an area of mixed land use consisting of residential, commercial, and industrial properties. The adjacent properties are occupied by Benz Oil Company (west), a gasoline service station (south), a vacant commercial building (north), and Teutonia Avenue to the east. The nearest residential property is located more than 200 feet east of the Site. The nearest sensitive environmental receptor is Lincoln Creek, which passes approximately 1,000 feet west of the Site and joins the Milwaukee River approximately 1.5 miles downstream.

The Site is currently occupied by a drop-off facility for clothes dry cleaned elsewhere and has an attached coin-operated laundry. The building is a single story structure with a partial basement having concrete block walls. The attached coin-operated laundry is a single story structure with a slab on grade. The general layout of the Site including relevant features and utility locations is depicted on **Figure 2**.

Previous Site investigations revealed that subsurface impacts were associated with incidental spills of tetrachloroethene (PCE) from an aboveground tank located in the southwest corner of the partial basement. It is likely that the spilled PCE entered the subsurface at the joint between the floor slab and concrete block wall, through a potential leaky floor drain, or both. Releases to the nearby floor drain entered the sanitary sewer system, which was shown to be leaky in areas outside of the building. Spillage occurring to the floor/wall joint would have entered the drain tile system in the basement foundation, along with releases from leaky floor drains. This contaminated foundation groundwater was conveyed to the storm water system, which was shown to be leaky in areas outside of the building. As mentioned, during past interim remedial actions, the sanitary and storm laterals were excavated and replaced, along with much of the contaminated soil surrounding them.

2.1 Basement Groundwater Discharge

As part of the interim remedial actions conducted in 2014, a limited amount of contaminated backfill was removed along the inside of the west wall of the basement to facilitate installation of a new groundwater collection system. The system consists of a drain tile lateral and a new sump crock and pump. The lateral was tied to the existing sanitary system. Contaminated foundation water now discharges directly to the sanitary sewer system under permit from the Milwaukee Metropolitan Sewerage District (MMSD). The results of recent discharge samples, collected

during April and June 2017, respectively, indicate rapidly decreasing CVOC concentrations following the remediation work described in the this report. The most recent PCE concentration of 1.52 µg/L is two orders-of-magnitude less than the pre-remedial PCE concentration in the sump discharge.

2.2 Vapor Intrusion Mitigation Testing

Sub-slab vapor sampling conducted in the basement in 2014 indicated that VOCs were present in vapor at concentrations above the vapor risk screening level (VRSL) for small commercial structures. The continued vapor impacts are likely associated with contaminated foundation water and shallow sub-slab soil impacts. Testing was performed to evaluate mitigation options as detailed in the *Remedial Action Plan*. Initially, diagnostic testing was performed to determine the radius of vacuum influence that could be achieved under the basement slab using a typical sub-slab depressurization system (SSDS) fan. A second phase of testing was also implemented using more powerful equipment typically used in soil vapor extraction (SVE) remedial applications. The data collected during testing resulted in the following observations and conclusions:

1. Clay soil is present beneath the limited and discontinuous layer of basement fill material below the concrete floor. In addition, clay particles have been deposited in the pore space of the fill via the buildup of water which accumulated below the slab in the past. This has resulted in reduced permeability in the fill and uneven flow paths for sub-slab vapors as indicated by uneven negative pressure field extension across the slab during vacuum testing.

2. Testing of an SSDS fan indicated that this technology would be ineffectual for inducing an adequate negative pressure beneath the building slab.

3. Operation of the SVE blower could mitigate vapor risk below the slab but would require a much higher operation and maintenance cost compared to an SSDS system and would not be practical for long term operation.

4. Elevated concentrations of VOCs were detected along the joint between the floor slab and west concrete block wall, and from floor drains using a PID instrument. The vapors detected along the block wall are likely due to contaminated groundwater along the basement foundation, or possibly from residual impacts within the block itself. The floor drains may be conveying vapors from soil or groundwater impacts, or the floor drains may contain impacts within the piping structure itself.

5. The SVE blower produced significantly more chlorinated solvent vapors when hooked up to the drain tile system as opposed to when it was hooked up to a vent in the center of the

floor slab indicating that vapors are more concentrated along or within the west concrete block wall.

2.3 Proposed Remedy

An evaluation of the testing data indicated that a standard vapor mitigation approach using an SSDS would not be effective to mitigate vapor intrusion due to lack of permeable soil beneath the slab to support low cost venting, and use of SVE would be impractical. Therefore, it was determined that accessible sub-slab soil impacts should be excavated and granular fill material emplaced to support venting using a cost effective SSDS. The selected remedy included the following actions:

1. Sample and test soil under the concrete basement floor slab for toxicity to determine the appropriate receptor for disposal;

2. Remove a portion of the floor slab, excavate the native clay soil to a depth of approximately 12 inches, and transport soil to an appropriate disposal facility;

3. Install a vertical sheet pile keyed 2-3 inches into the clay substrate along the east edge of the existing groundwater collection system trench to prevent foundation groundwater from entering into the excavation backfill;

4. Install two horizontal vent pipes along the entire length of the excavated area, manifold the pipes together, and extend a riser above the roof line for active sub-slab venting;

5. Backfill the excavation with gravel to promote vapor flow under the concrete floor;

6. Clean or replace the two (2) floor drain laterals to remove residual contaminants;

7. Place a vapor barrier on top of the gravel backfill and replace the concrete floor slab; and

8. Repair holes, cracks, and joints in west concrete block wall and seal the wall with a chemical resistant coating to establish a vapor barrier.

3.0 PRE-REMEDIAL PREPARATIONS

Soil sampling was conducted within the anticipated area of excavation as part of the planning process. The objective of the soil sampling activities was to characterize the soil in the planned excavation area for disposal purposes.

3.1 Soil Characterization Sampling

On November 2, 2016, EnviroForensics personnel mobilized to the Site and advanced seven (7) hand auger borings (HB-5 through HB-11) in the basement of the Site building to facilitate soil sample collection. The soil boring locations are depicted on **Figure 3**. EnviroForensics personnel performed all field activities. The concrete floor slab was cored at each location and a hand auger was advanced to approximately 1.5 feet below the floor. No field screening was performed because the sampling intervals were predetermined.

One (1) soil sample was collected at each boring location from a depth of approximately 0.5-1.5 feet below the basement floor surface. A total of seven (7) soil samples were collected and submitted to a laboratory for analysis of VOCs according to SW-846 Test Method 8260.

The results of the source area characterization samples are summarized on **Table 1** and **Figure 4**. The laboratory report associated with the soil samples is included in **Appendix A**. The VOC concentrations detected in the soil samples indicated that all soil could be transported to a landfill for disposal as non-hazardous special waste.

4.0 REMEDIAL ACTION FIELD WORK

4.1 Health & Safety

On the first day of work, plastic sheeting was set up to isolate the work area from areas of active business operations and to prevent unauthorized access to the work zone. A Site Health & Safety Plan was reviewed by all site workers prior to beginning remedial activities and specific contaminant exposure concerns and safety precautions explained to all site workers during a pre-work tailgate meeting.

The work zone was periodically monitored for VOC vapors using a photo-ionization detector (PID) equipped with an 11.7 electron-volt lamp, and vinyl chloride concentrations measured using a Sensodyne™ pump equipped with vinyl chloride gas detector tubes. Field readings using these instruments were collected periodically during the excavation work within the basement to ensure worker safety.

4.2 Excavation Activities

EnviroForensics contracted Horizon Construction and Exploration of Fredonia, Wisconsin to conduct the excavation, waste disposal, and Site restoration activities. These activities were completed from February 13-20, 2017. Excavating was performed in the area depicted on **Figure 3**, comprising a main storage room, two (2) bathrooms, and a hallway in the basement. The other areas of the basement, including an office, secondary storage room, and mechanical room were not targeted for remediation based on past investigation results.

The concrete slab was saw-cut around the perimeter of the excavation area, and the slab itself was broken into pieces by jackhammer. The concrete pieces were loaded onto a conveyor system that moved material up the stairs and outside to a staging area on the south side of the building. The limited fill material beneath the floor slab and native clay soil was removed by hand to a depth of approximately 12 inches below the bottom of the slab. Soil was also transported by the conveyor system to the staging area.

All soil excavated from the basement was loaded into dump trucks and sent to the Waste Management Orchard Ridge Landfill in Menomonee Falls, Wisconsin. A total of 15.27 tons of excavated material was managed and disposed of as special solid waste (refer to waste manifests and load tickets in **Appendix B**).

The excavation area was backfilled with pea gravel. Two lengths of 4-inch diameter perforated PVC vent piping were bedded within the pea gravel to facilitate sub-slab venting. The drain pipe was wrapped in filter fabric to prevent entry of soil particles. A vapor barrier (6-mil sheet plastic) was placed on top of the pea gravel. The concrete slab was replaced to an equivalent thickness as the existing slab, having an approximate thickness of 4-5-inches. Installation of the proposed vertical sheet pile between the foundation drain tile and excavation proved impractical in the field. Instead, a concrete barrier was poured immediately adjacent to the drain tile along the west basement wall. In that area, the concrete is now 14-inches thick and is intended to prevent groundwater in the foundation drain tile from entering into the excavation backfill. A cross-section of the excavation area is shown on **Figure 5**.

4.3 Vapor Mitigation

4.3.1 Sub-Slab Vapor Sampling

On March 2, 2017, sub-slab vapor samples SSV-11 and SSV-12 were collected from beneath the basement slab to determine if vapor mitigation would still be needed following excavation activities. The samples were submitted to a laboratory for analysis of PCE and associated compounds according to EPA Air Method Toxic Organics -15 (TO-15). The results are summarized and compared to small commercial vapor risk screening levels (VRSLs) for small commercial buildings on **Table 2** and **Figure 6**. PCE was detected in sample SSV-11 at a concentration of 19,000 micrograms per cubic meter ($\mu g/m^3$), which exceeds the VRSL of 6,000 $\mu g/m^3$. Trichloroethene (TCE) was detected in both vapor samples at concentrations above the VRSL of 290 $\mu g/m^3$. These results confirmed that an SSDS would need to be installed to mitigate vapor intrusion risk. The laboratory report associated with the sub-slab vapor samples is provided in **Appendix C**.

4.3.2 Sub-Slab Depressurization System Installation

An SSDS was installed in the basement of the site building on April 6-7 and April 13-14, 2017. The SSDS utilizes the two (2) horizontal vent pipes installed within the excavation backfill, one (1) vertical extraction point along the north wall of the mechanical room, and the sealed sump crock for the purpose of venting the drainage tile and block wall. Each of the piping connections is equipped with a u-tube manometer and an individual ball valve for system balancing. An audible low-vacuum alarm was also installed to alert building managers that the SSDS needed inspection and possible maintenance.

The pipes are manifolded, and a single 4-inch diameter PVC pipe is routed to the roof through an unused pipe chase in the mechanical room. The pipe is connected to a RadonAway Model GP-501 fan mounted on the roof. The fan is hardwired to a dedicated circuit breaker in an existing electrical panel with a dedicated on/off switch located next to the fan. The layout of the SSDS is depicted on **Figure 7** and photographs are included in **Appendix D**.

The post-installation pressure field extension (PFE) testing indicated that the system applies negative pressure across the entire main room and mechanical room of the basement where elevated vapor concentrations were previously detected. Permanent test points SSV-11 and SSV-12 had readings of -0.131 and -0.371 inches of water, respectively. Post-installation PFE readings are also presented on **Figure 7**.

4.3.3 Floor Drain Cleaning

There are two (2) floor drains in the basement of the Site building: one (1) in the south bathroom and one (1) in the mechanical room as shown on **Figure 3**. PID readings collected during the Site investigation were as high as 10,000 parts per million (ppm), indicating that the drains were emanating solvent vapors. Both floor drains were cleaned by a plumber using a drain auger followed by flushing with water. The post-cleaning PID readings collected from the floor drains were less than 10 ppm, demonstrating that the cleaning procedure significantly reduced the source of vapors.

4.3.4 Wall Sealing

The west block wall of the basement was sealed to mitigate potential vapor movement from the wall to indoor air. Sealing included the following activities:

- Holes and cracks in the wall were patched with mortar or expanding foam;
- The joint between the base of the wall and the floor slab was caulked; and
- Two (2) layers of Blue Max elastomeric rubberized coating manufactured by Ames Research Laboratories, Inc. (www.amesresearch.com) were applied to create a vapor barrier. Product specifications and a Material Safety Data Sheet are included in **Appendix E**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Additional remedial actions taken at the Site have resulted in the following:

- All accessible contaminated soil beneath the basement slab has been removed;
- The permeability of the subsurface was enhanced by removing contaminated soil beneath part of the basement and replacing it with pea gravel. This allowed for cost effective venting;
- The SSDS has induced negative pressure across the targeted portion of the basement floor slab, effectively mitigating vapor intrusion risk;
- Other potential sources of vapor intrusion, including the west concrete block wall and two (2) floor drains, have been addressed by cleaning and sealing; and
- Concentrations of CVOCs in the foundation water appear to be diminishing (see **Table 3**).

Residual CVOC impacts exist in foundation soil and groundwater that are not accessible. Therefore, according to WDNR regulations, continuing obligations will be necessary for case closure, including:

1. Maintenance of the engineered cover (i.e., the building and asphalt parking lot);
2. Operation and maintenance (O&M) of the SSDS;
3. Continued sampling and discharge of foundation water to the sanitary system under permit of the MMSD; and
4. GIS registry to indicate groundwater use restrictions and other institutional controls related to future site construction activities.

O&M Plans should be prepared to document inspections and maintenance activities related to the engineered cover and SSDS systems.

In addition, continued sampling of the sump water is required under the existing MMSD discharge permit. If CVOC concentrations in sump water continue to decrease, possible discharge to the storm sewer system under Wisconsin Pollution Discharge Elimination System (WPDES) permit should be evaluated.

Remediation of the Site has been completed to the extent practicable. There are no sensitive environmental receptors near the Site, and human health is adequately protected against risk of exposure to the remaining residual impacts. Therefore, case closure should be pursued.

TABLES

TABLE 1
BASEMENT SOIL SAMPLE ANALYTICAL RESULTS SUMMARY
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

Sample Identification	Sample Date	Sample Depth (feet)	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Naphthalene	n-Butylbenzene
6229-HB-1	3/6/2013	2	<14	<16	<10	<21	<8.8	<42	<11
	3/6/2013	3	<13	<14	<9.5	<18	<8.0	<38	<10
	3/6/2013	5.5	<15	<16	<11	<22	<9.0	<43	<11
6229-HB-2	3/5/2013	1.5	<15	<16	<11	<22	<9.1	<43	<11
	3/5/2013	3.5	<14	<15	<10	<21	<8.6	<41	<11
	3/5/2013	8	<14	<16	<11	<22	<9.0	<43	<11
6229-HB-3	3/6/2013	1.5	<16	<18	<12	<24	<9.9	<47	<12
	3/6/2013	3	<14	<16	<10	<21	<8.7	<41	<11
	3/6/2013	7.5	<13	<14	<9.5	<19	<8.0	<38	<9.9
6229-HB-4	3/8/2013	2	<15	<17	<11	<23	**20 J**	<45	<12
	3/8/2013	4	<14	<16	<10	<21	<8.7	<41	<11
	3/8/2013	7.5	<14	<15	<10	<20	<8.5	<40	<11
6229-HB-5	11/2/2016	0.5-1.5	<54	<42	**79**	<24	<10	**278 J**	<86
6229-HB-6	11/2/2016	0.5-1.5	<54	<42	**21.7 J**	<24	**17.9 J**	<87	<86
6229-HB-7	11/2/2016	0.5-1.5	<54	<42	**340**	**34 J**	**49**	<87	<86
6229-HB-8	11/2/2016	0.5-1.5	<54	<42	**112**	<24	**32**	**234 J**	**91 J**
6229-HB-9	11/2/2016	1-2	<54	<42	**76**	<24	**58**	<87	<86
6229-HB-10	11/2/2016	0.8-1.8	<54	<42	<21	<24	<10	<87	<86
6229-HB-11	11/2/2016	0.7-1.7	**69 J**	<42	**4,100**	**107**	**203**	<87	<86
Residual Contaminant Level - Industrial			**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**	**24,100**	**108,000**
Residual Contaminant Level - Non-Industrial			**33,000**	**1,300**	**156,000**	**1,560,000**	**67**	**5,520**	**108,000**
Residual Contaminant Level - Soil to Groundwater			**4.5**	**3.6**	**41.2**	**62.6**	**0.1**	**658.2**	**NE**

Notes:

Samples analyzed using EPA SW-846 Method 8260 with Prep Method 5030

All concentrations reported in micrograms per kilogram (µg/kg)

Bolded values are above method detection limits

Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level

Bolded and green shaded green values exceed the Non-Industrial Residual Contaminant Level

Bolded and orange shaded orange values exceed the Industrial Residual Contaminant Level

J = Analyte concentration is above the method detection limit and below the reporting limit

TABLE 2
SUB-SLAB VAPOR SAMPLE ANALYTICAL RESULTS SUMMARY
Lloyd's Cleaners
Milwaukee, Wisconsin

Sample Location	Sample Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Chloroform	Ethylbezene	1,2,4-Trimethylbenzene
Slab on Grade Coin Laundry	6229-SSV-1	2/6/2013	**42.1**	**8.65**	<19.8	<39.6	<1.28	**9.81**	**0.83**	**10.9**	**8.26**
	6229-SSV-2	2/6/2013	**4.88**	<1.07	<19.8	<39.6	<1.28	<1.60	<0.83	<8.68	<4.92
	6229-SSV-3	2/6/2013	**57.9**	<1.07	<19.8	<39.6	<1.28	**1.60**	**0.83**	<8.68	<4.92
Slab on Grade Dry Cleaning Drop Off	6229-SSV-4	7/22/2014	**38.7**	<10.7	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2
		1/9/2015	<31.9	<10.7	<198	<396	<12.8	NA	NA	NA	NA
	6229-SSV-5	7/22/2014	**1,640**	**56.4**	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2
		1/9/2015	**1,610**	<10.7	<198	<396	<12.8	NA	NA	NA	NA
	6229-SSV-6	7/22/2014	**1,790**	**25.8**	<198	<396	<12.8	<16.0	<8.30	<86.8	<49.2
		1/9/2015	**343**	**11.8**	<198	<396	<12.8	NA	NA	NA	NA
Basement	6229-SSV-7	7/22/2014	**165**	**501**	**21,000**	**1,130**	**20,500**	<16.0	<8.30	<86.8	<49.2
	6229-SSV-8	7/22/2014	**998**	**151**	**5,200**	<396	**9,730**	<16.0	<8.30	<86.8	<49.2
	6229-SSV-11	3/2/2017	**19,000**	**303**	**1,510**	<39.6	**130**	NA	NA	NA	NA
	6229-SSV-12	3/2/2017	**2,180**	**365**	**1,810**	<39.6	**47.5**	NA	NA	NA	NA
Small Commercial Vapor Risk Screening Level [1]			**6,000**	**290**	**NE**	**NE**	**930**	**530**	**180**	**1,600**	**1,000**

Notes:

[1] The Vapor Risk Screeing Level was calcuated according to the procedures described in WDNR Publication RR-800 including an attenuation factor of 0.03 for sub-slab vapor samples and a 0.1 adjustment for 1 x 10^{-5} lifetime cancer risk for carcinogens

All concentrations reported in units of micrograms per cubic meter ($\mu g/m^3$)

Bolded values are above method detection limits

Bolded and orange shaded values exceed the Vapor Risk Screening Level

NA = Not Analyzed

NE = Not Established

TABLE 3
SUMP SAMPLE ANALYTICAL RESULTS SUMMARY
Lloyd's Dry Cleaners
Milwaukee, Wisconsin

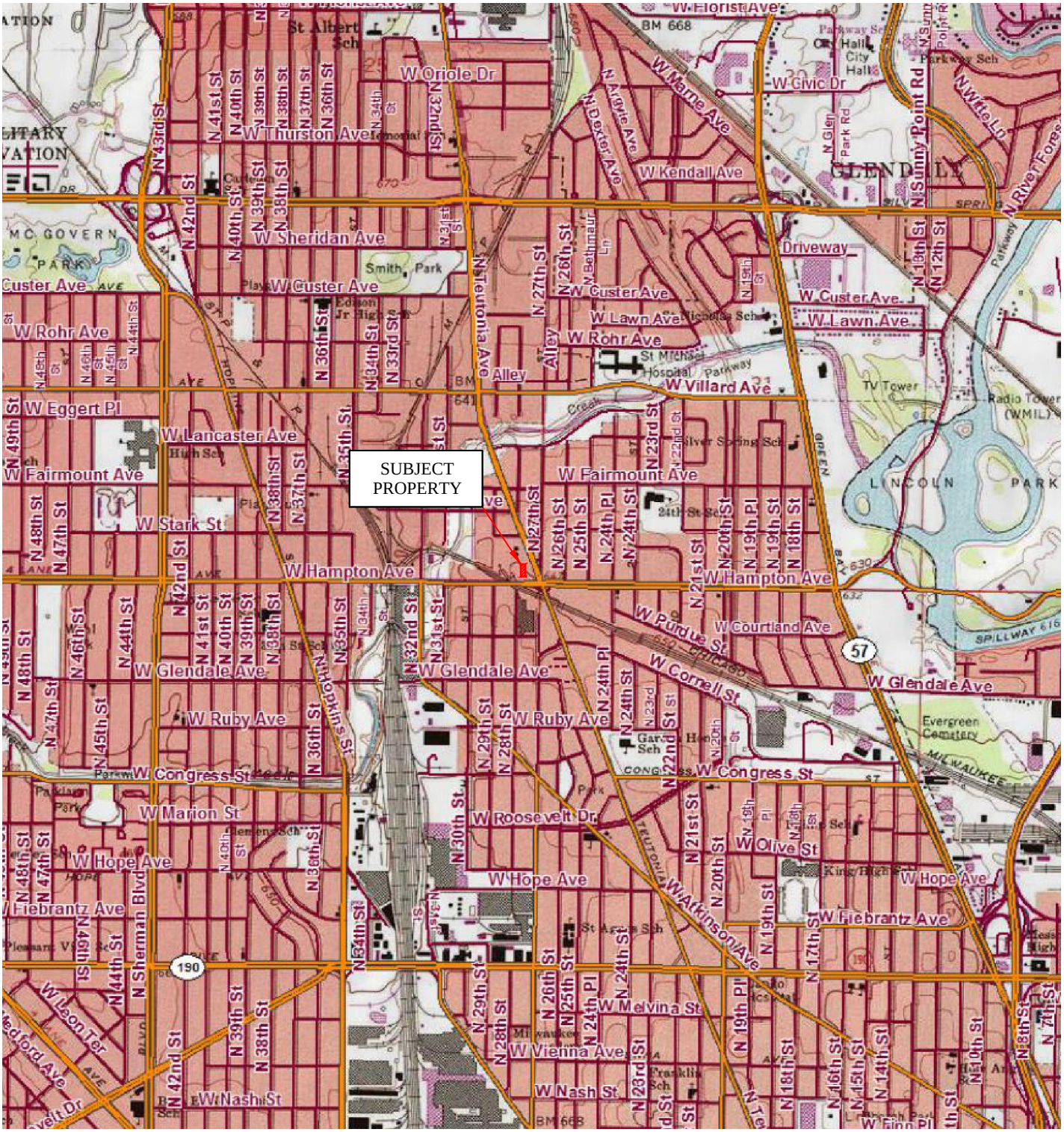
			VOCs (ug/L)							(mg/L)	
Sample Identification	**Remediation Status**	**Sample Date**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**trans-1,2-Dichloroethene**	**Vinyl Chloride**	**Toluene**	**Chloromethane**	**Oil and Grease**	**Total Suspended Solids**
6229-SUMP-W	Pre-Interim Action	7/26/2011	**309**	**10.5**	**12.1**	< 0.89	< 0.18	<0.67	<0.24	NS	NS
6229-SUMP-1	Pre-Interim Action	3/5/2013	**340**	**9.3**	**18**	<0.25	<0.10	<0.54	**4.5**	NS	NS
6229-SUMP-4/14	Post-Interim Action	4/28/2014	**98**	**2.37**	**7.8**	<0.35	**0.78**	<0.69	<0.81	NS	NS
6229-SUMP	Post-Interim Action	5/15/2014	**86**	**3.5**	**14.6**	<0.35	**1.47**	<0.69	<0.81	<0.99	<4
6229-SUMP 6/2	Post-Interim Action	6/2/2014	**92**	**4.9**	**18.4**	<0.35	**0.33 J**	<0.69	<0.81	<1.98	**26**
6229-SUMP 6/18	Post-Interim Action	6/18/2014	**155**	**4.4**	**8.3**	<0.35	**0.34 J**	<0.69	<0.81	<0.99	**120**
6229-SUMP	Post-Interim Action	7/22/2014	**64**	**4.5**	**45**	**0.53 J**	<0.18	<0.69	<0.81	<0.99	<4
6229-SUMP	Post-Interim Action	10/15/2014	**120**	**6.2**	**17.5**	<0.35	<0.18	--	--	--	--
6229-SUMP	Post-Interim Action	1/7/2015	**19.6**	**1.94**	**17.6**	<0.54	<0.17	--	--	--	--
6229-SUMP	Post-Interim Action	4/11/2015	**104**	**3.2**	**9.4**	<0.54	<0.17	<0.44	<1.9	--	--
6229-SUMP	Post-Interim Action	10/1/2015	**38**	**1.89**	**9.5**	<0.54	<0.17	<0.44	<1.9	--	--
6229-SUMP	Post-Interim Action	4/1/2016	**64**	**2.15**	**5.3**	<0.54	<0.17	--	--	--	--
6229-SUMP	Post-Interim Action	10/4/2016	**49**	**7.8**	**18.4**	<0.54	<0.17	**0.76 J**	<1.9	--	--
6229-SUMP	Post-Remediation	4/7/2017	**14**	<0.45	**0.68 J**	<0.35	<0.19	<0.67	<1.3	--	--
6229-SUMP	Post-Remediation	6/14/2017	**1.52**	<0.45	<0.41	<0.35	<0.19	<0.67	<1.3	--	--
Public Health Enforcement Standard (ug/L)			**5**	**5**	**70**	**100**	**0.2**	**800**	**30**	**NA**	**NA**
Public Health Preventive Action Limit (ug/L)			**0.5**	**0.5**	**7**	**20**	**0.02**	**160**	**3**	**NA**	**NA**
MMSD Do not exceed limit (mg/L)			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**300**	**100**

Notes:

µg/L = micrograms per liter
mg/L = milligrams per liter
-- = Not Analyzed
J = Analyte concentration is above the method detection limit and below the reporting limit
MMSD = Milwaukee Metropolitan Sewerage District
NA = Not Applicable

Bolded values are above method detection limits
Bolded and orange shaded values exceed the Enforcement Standard
Bolded and blue shaded values exceed the Preventive Action Limit
Bolded and green shaded values exceed the MMSD Do not exceed limit

FIGURES



Scale 1:24,000

1 1/2 0 1 Mile

1000 0 1000 2000 3000 4000 5000 6000 7000 Feet

1 .5 0 1 Kilometer

N

Source: US Geological Survey, Milwaukee, WI Quadrangle, 7.5 Minute Series, 1984

No.	Date	Revision	Approved

ENVIRO forensics

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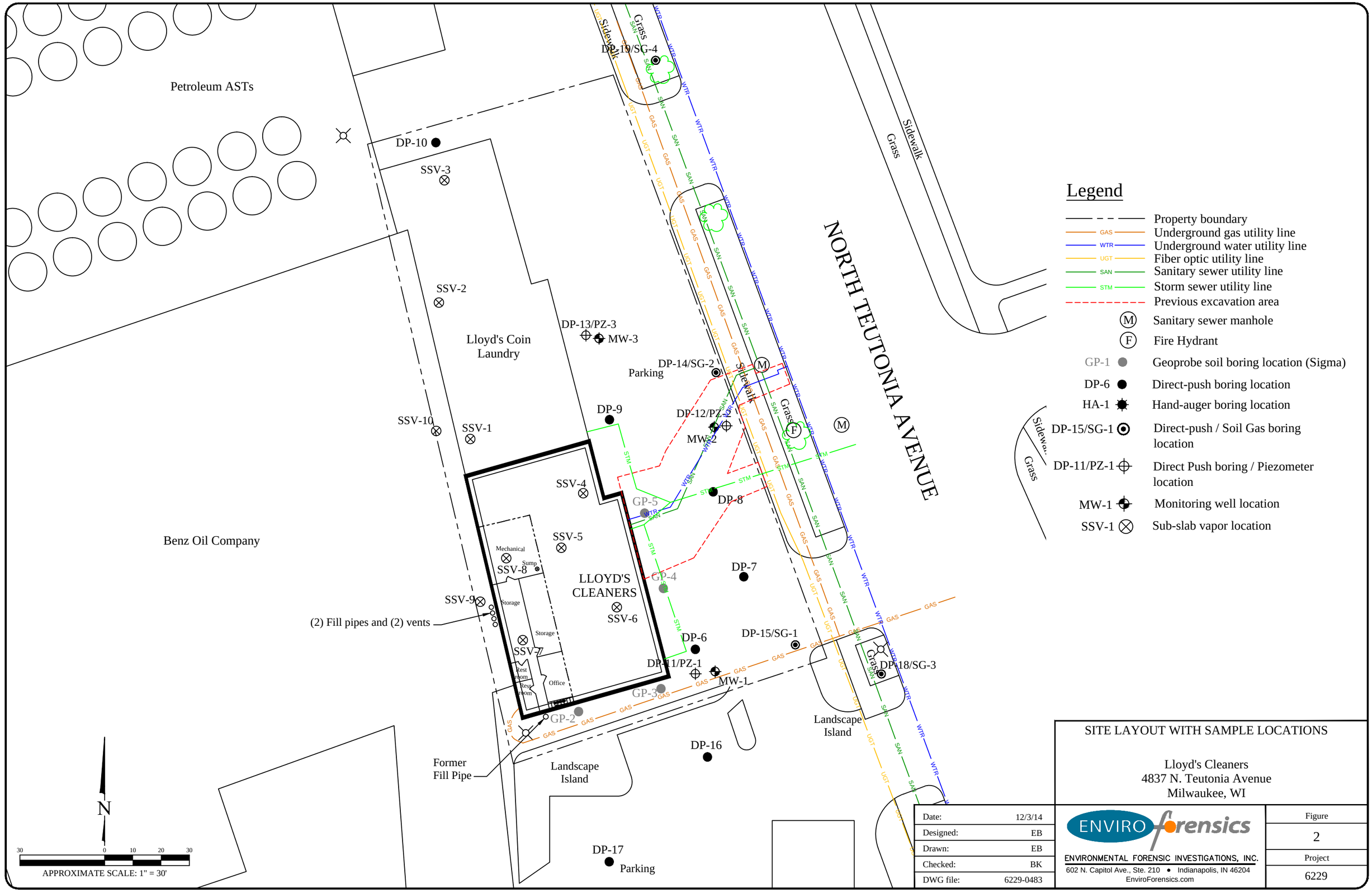
602 N Capitol Ave., Ste 210 • Indianapolis, IN 46204

EnviroForensics.com

Date:	3/1/13
Designed:	MMM
Drawn:	MMM
Checked:	JJ
DWG file:	62720-11

SITE LOCATION MAP
Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee WI

Figure
1
Project
6229



SITE LAYOUT WITH SAMPLE LOCATIONS

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	12/3/14
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-0483

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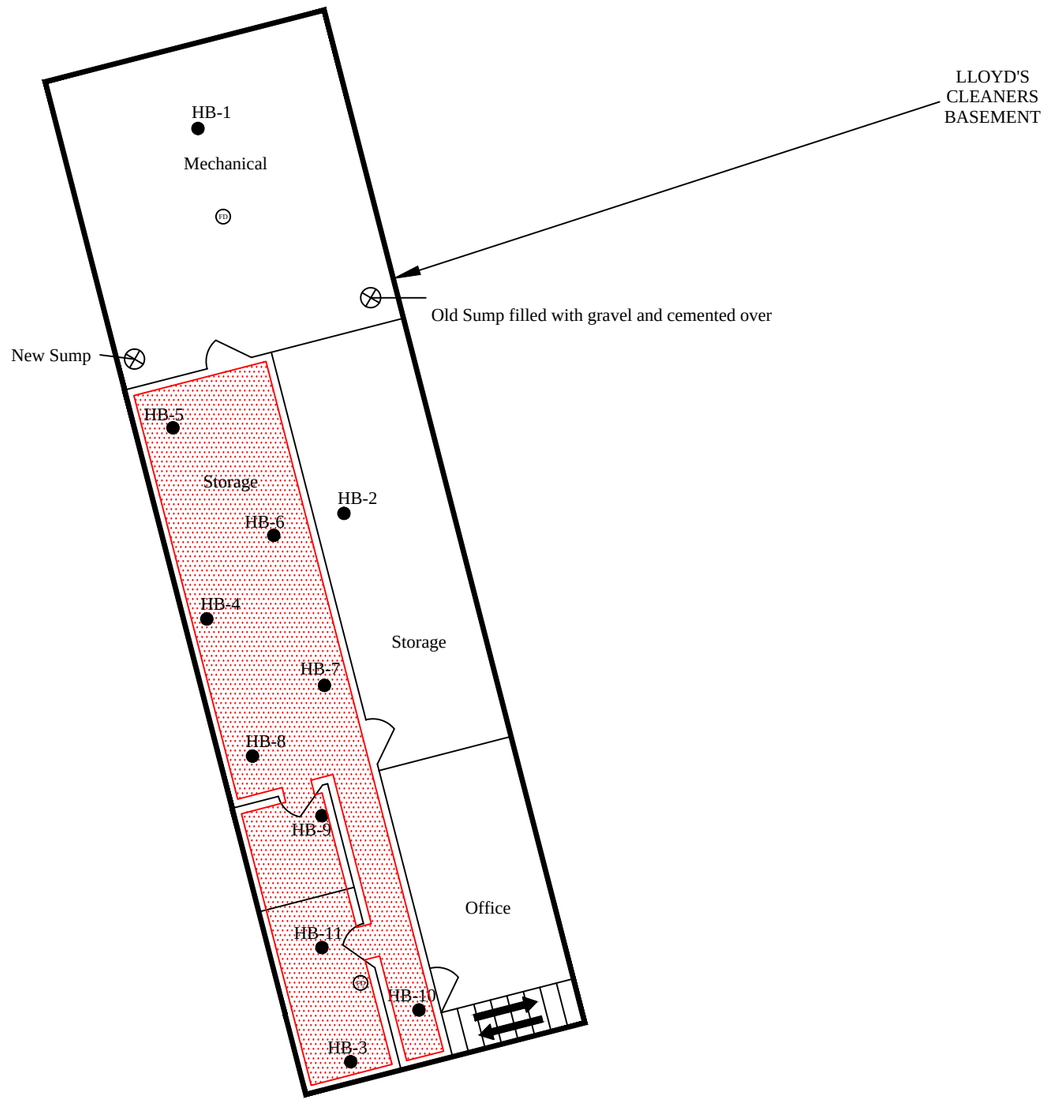
Figure	2
Project	6229

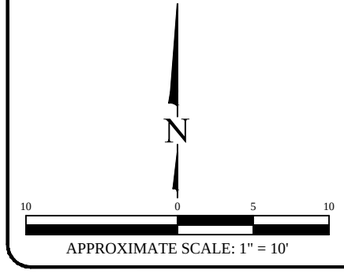
Legend

FD Floor drain

Excavation limits

HB-1 Sub-slab investigation location





APPROXIMATE SCALE: 1" = 10'

BASEMENT LAYOUT AND SOIL SAMPLE LOCATIONS

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	4/5/17
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6229-0991

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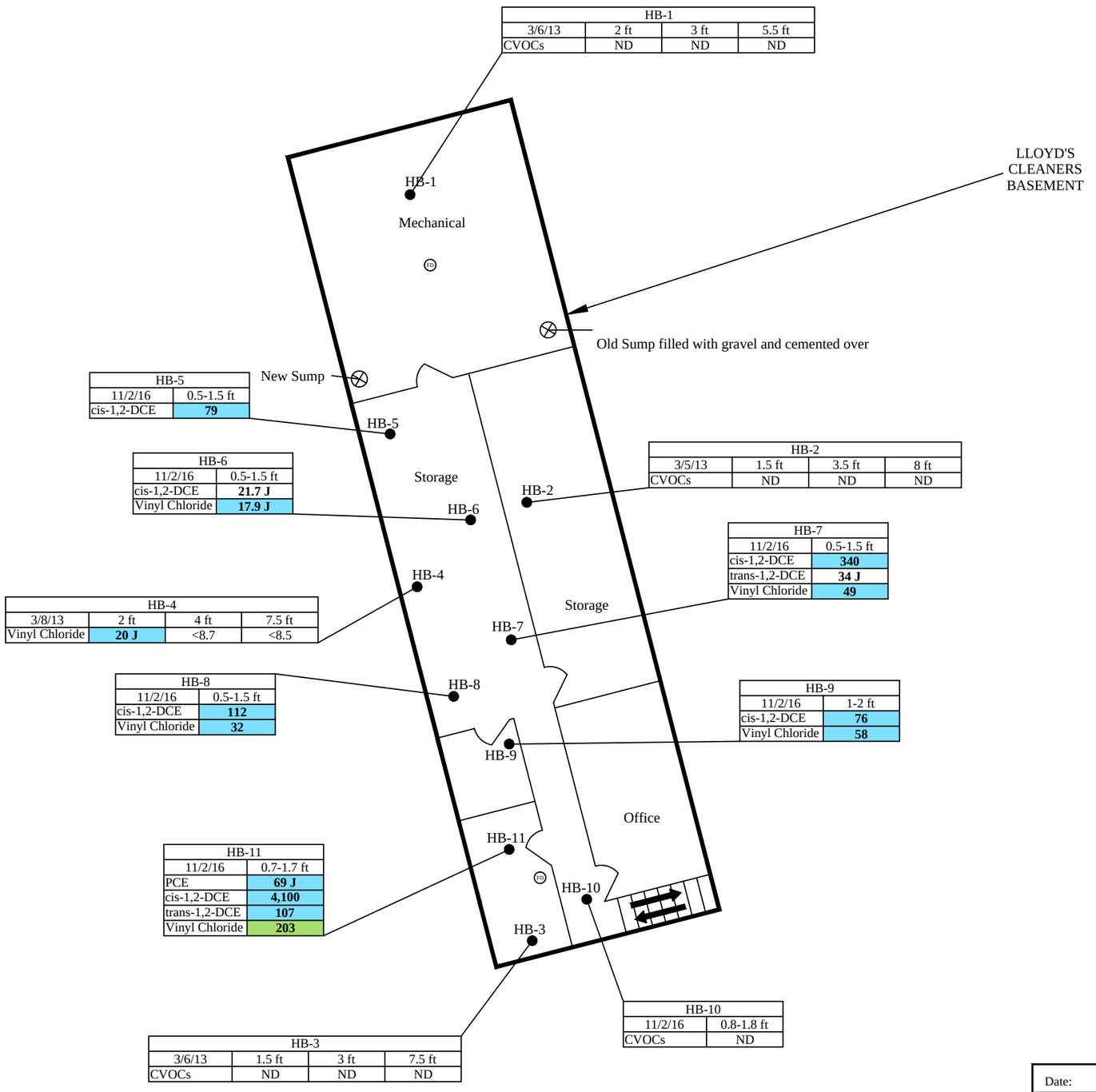
Figure	3
Project	6229



Legend

FD Floor drain

Partial basement

HB-1 ● Sub-slab investigation location

Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	**4.5**	**30,700**	**153,000**
TCE	**3.6**	**644**	**8,810**
cis-1,2-DCE	**41.2**	**156,000**	**2,400,000**
trans-1,2-DCE	**58.8**	**211,000**	**976,000**
Vinyl Chloride	**0.1**	**67**	**2,030**

Note:

1. Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
2. Bolded values are above detection limits
3. J = Analyte concentration less that laboratory detection limits
4. Samples analyzed using EPA SW-846 Method 8260
5. All results reported in units of micrograms per kilogram (µg/kg)
6. PCE = Tetrachloroethene
7. TCE = Trichloroethene
8. cis-1,2-DCE = cis-1,2-Dichloroethene
9. trans-1,2-DCE = trans-1,2-Dichloroethene
10. CVOCs = Chlorinated Violate Organic Compounds
11. ND = Not detected

BASEMENT SOIL SAMPLE ANALYTICAL RESULTS

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	4/5/17
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6229-0996

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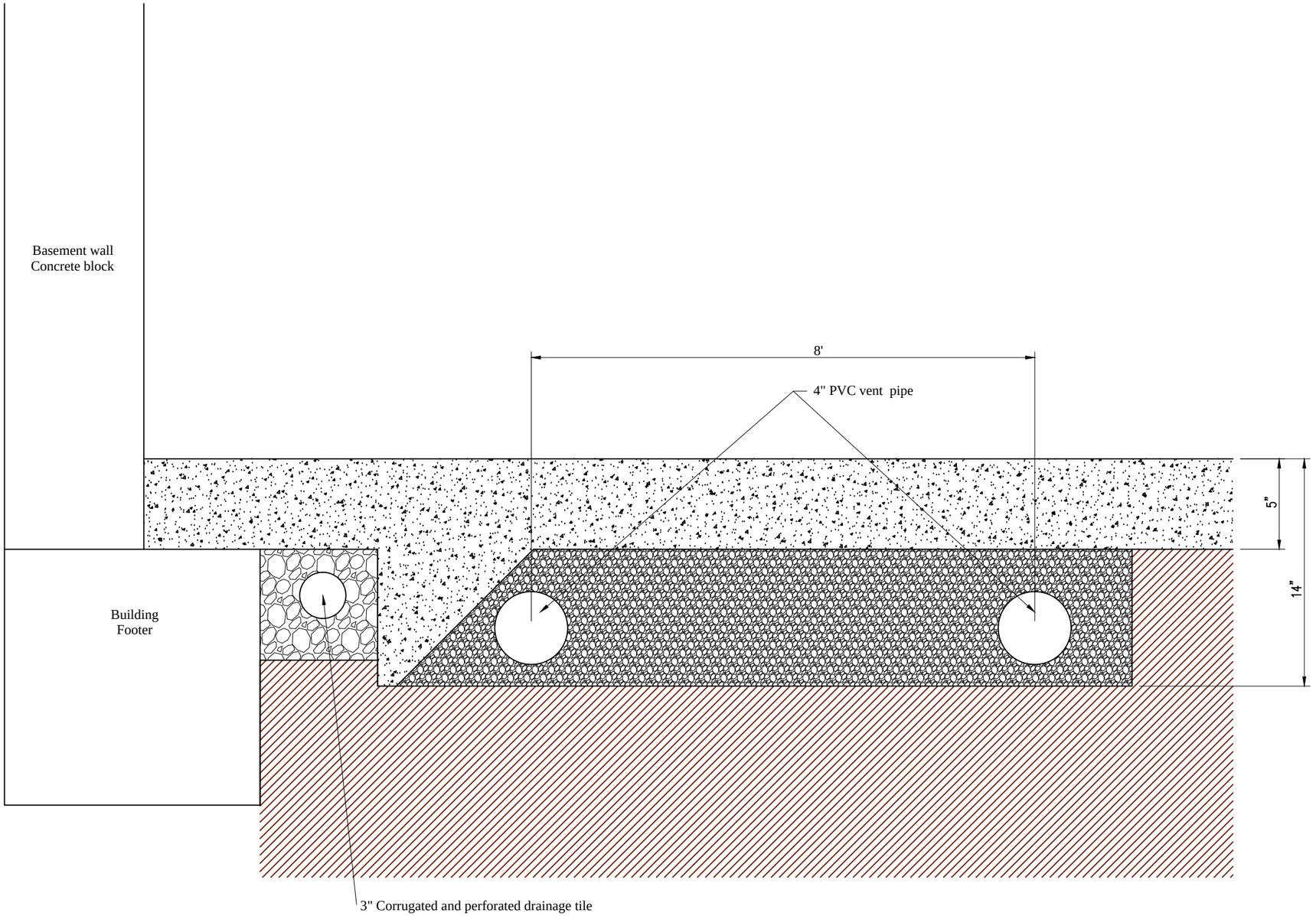
Figure
4
Project
6229

Legend

	Concrete
	Stone Fill
	Pea Gravel
	Clay - Brown

Not To Scale



BASEMENT COLLECTION TRENCH AND SSDS LAYOUT DETAIL

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	4/4/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-0433

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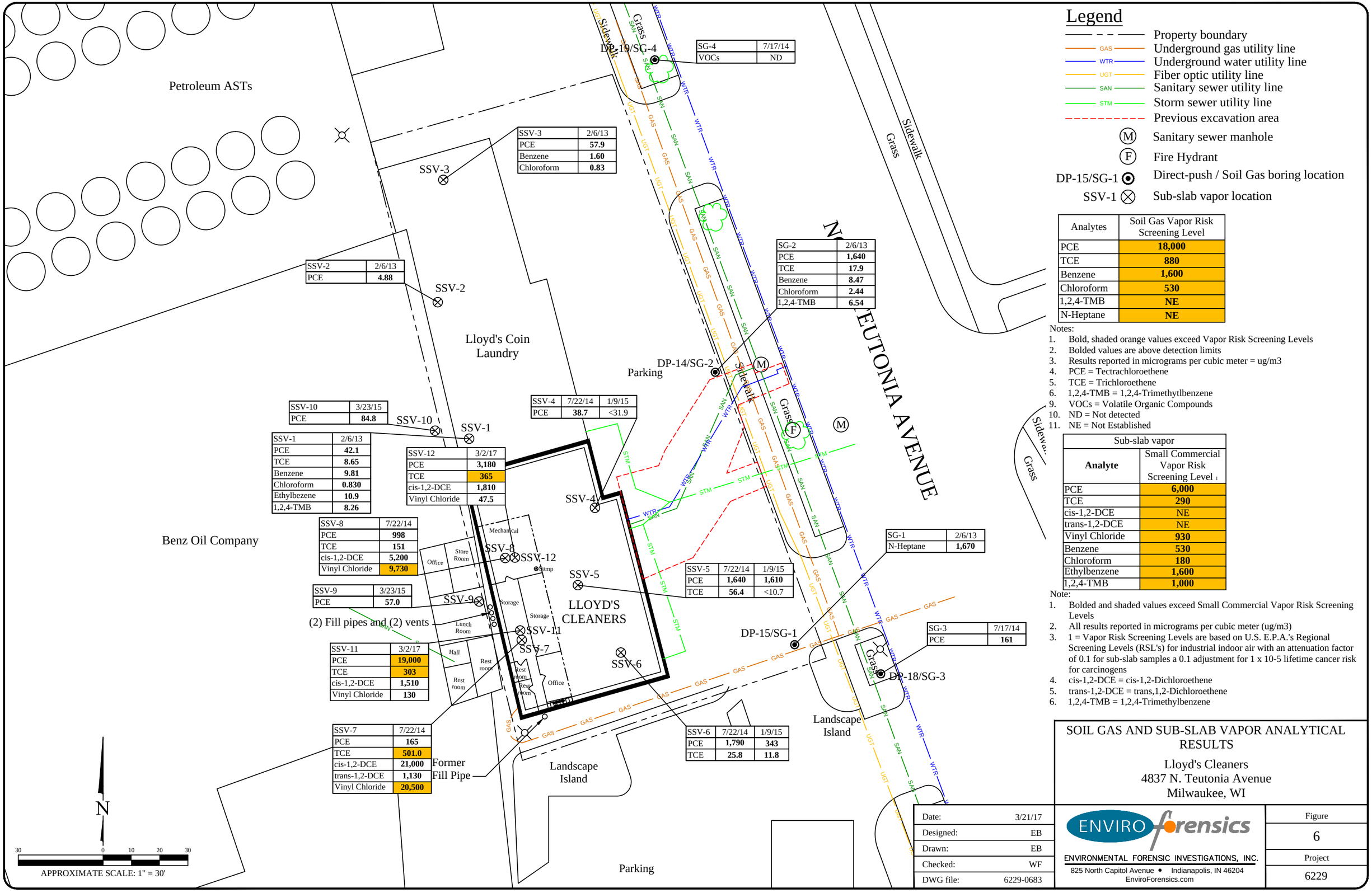
Figure
5
Project
6229



Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole (M)
- Fire Hydrant (F)
- DP-15/SG-1 — Direct-push / Soil Gas boring location
- SSV-1 — Sub-slab vapor location

Analytes	Soil Gas Vapor Risk Screening Level
PCE	**18,000**
TCE	**880**
Benzene	**1,600**
Chloroform	**530**
1,2,4-TMB	**NE**
N-Heptane	**NE**

Notes:
1. Bold, shaded orange values exceed Vapor Risk Screening Levels
2. Bolded values are above detection limits
3. Results reported in micrograms per cubic meter = ug/m3
4. PCE = Tectrachloroethene
5. TCE = Trichloroethene
6. 1,2,4-TMB = 1,2,4-Trimethytlbenzene
9. VOCs = Volatile Organic Compounds
10. ND = Not detected
11. NE = Not Established

Sub-slab vapor	
Analyte	Small Commercial Vapor Risk Screening Level [1]
PCE	**6,000**
TCE	**290**
cis-1,2-DCE	**NE**
trans-1,2-DCE	**NE**
Vinyl Chloride	**930**
Benzene	**530**
Chloroform	**180**
Ethylbenzene	**1,600**
1,2,4-TMB	**1,000**

Note:
1. Bolded and shaded values exceed Small Commercial Vapor Risk Screening Levels
2. All results reported in micrograms per cubic meter (ug/m3)
3. 1 = Vapor Risk Screening Levels are based on U.S. E.P.A.'s Regional Screening Levels (RSL's) for industrial indoor air with an attenuation factor of 0.1 for sub-slab samples a 0.1 adjustment for 1 x 10-5 lifetime cancer risk for carcinogens
4. cis-1,2-DCE = cis-1,2-Dichloroethene
5. trans-1,2-DCE = trans,1,2-Dichloroethene
6. 1,2,4-TMB = 1,2,4-Trimethylbenzene

SOIL GAS AND SUB-SLAB VAPOR ANALYTICAL RESULTS

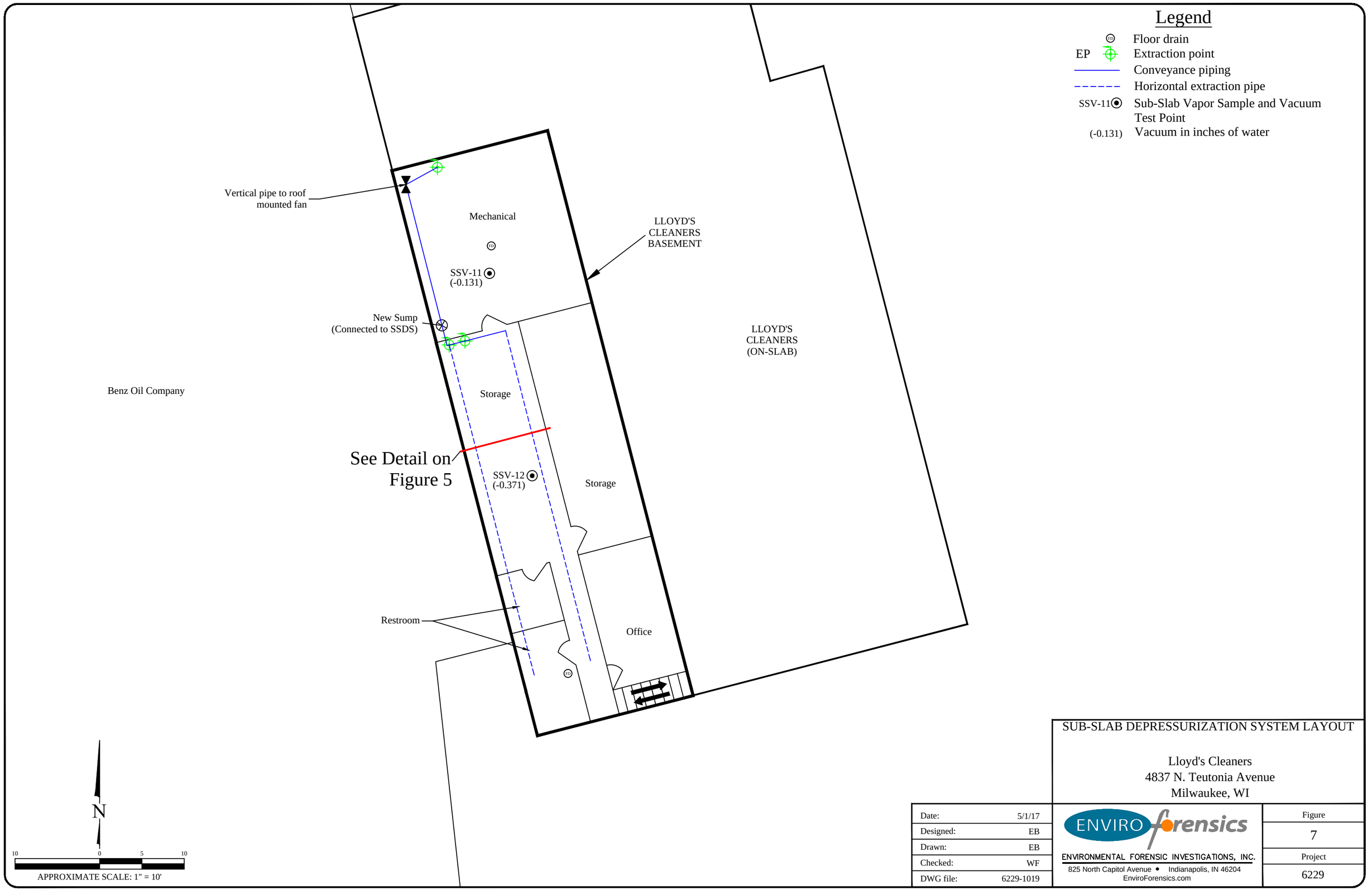
Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	3/21/17
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6229-0683

ENVIROforensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 6

Project 6229



SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	5/1/17
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6229-1019

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 7

Project 6229

APPENDIX A

Soil Laboratory Analytical Report

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

WAYNE FASSBENDER
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date *09-Nov-16*

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020A
Sample ID 6229 HB-5 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	71.0	%			1	5021		11/4/2016	TCC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		11/8/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		11/8/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		11/8/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		11/8/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		11/8/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		11/8/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		11/8/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		11/8/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		11/8/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		11/8/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		11/8/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		11/8/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
cis-1,2-Dichloroethene	0.079	mg/kg	0.021	0.068	1	8260B		11/8/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		11/8/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		11/8/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		11/8/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020A
Sample ID 6229 HB-5 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		11/8/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		11/8/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		11/8/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		11/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
Naphthalene	0.278 "J"	mg/kg	0.087	0.28	1	8260B		11/8/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		11/8/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		11/8/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		11/8/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		11/8/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		11/8/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		11/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		11/8/2016	CJR	1
Vinyl Chloride	< 0.01	mg/kg	0.01	0.031	1	8260B		11/8/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		11/8/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	110	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 4-Bromofluorobenzene	88	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Dibromofluoromethane	108	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020B
Sample ID 6229 HB-6 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	71.2	%			1	5021		11/4/2016	TCC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		11/8/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		11/8/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		11/8/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		11/8/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		11/8/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		11/8/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		11/8/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		11/8/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		11/8/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		11/8/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		11/8/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		11/8/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
cis-1,2-Dichloroethene	0.0217 "J"	mg/kg	0.021	0.068	1	8260B		11/8/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		11/8/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		11/8/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		11/8/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		11/8/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		11/8/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		11/8/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		11/8/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		11/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		11/8/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		11/8/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		11/8/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		11/8/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		11/8/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		11/8/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		11/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		11/8/2016	CJR	1
Vinyl Chloride	0.0179 "J"	mg/kg	0.01	0.031	1	8260B		11/8/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		11/8/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020B
Sample ID 6229 HB-6 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	112	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Toluene-d8	93	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 4-Bromofluorobenzene	94	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Dibromofluoromethane	120	Rec %			1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020C
Sample ID 6229 HB-7 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	73.5	%			1	5021		11/4/2016	TCC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		11/8/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		11/8/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		11/8/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		11/8/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		11/8/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		11/8/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		11/8/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		11/8/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		11/8/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		11/8/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		11/8/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		11/8/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
cis-1,2-Dichloroethene	0.34	mg/kg	0.021	0.068	1	8260B		11/8/2016	CJR	1
trans-1,2-Dichloroethene	0.034 "J"	mg/kg	0.024	0.076	1	8260B		11/8/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		11/8/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		11/8/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		11/8/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		11/8/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		11/8/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		11/8/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		11/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		11/8/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		11/8/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		11/8/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		11/8/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		11/8/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		11/8/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		11/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		11/8/2016	CJR	1
Vinyl Chloride	0.049	mg/kg	0.01	0.031	1	8260B		11/8/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		11/8/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020C
Sample ID 6229 HB-7 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	120	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 4-Bromofluorobenzene	88	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Dibromofluoromethane	119	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Toluene-d8	92	Rec %			1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020D
Sample ID 6229 HB-8 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	73.5	%			1	5021		11/4/2016	TCC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		11/8/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		11/8/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		11/8/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		11/8/2016	CJR	1
n-Butylbenzene	0.091 "J"	mg/kg	0.086	0.27	1	8260B		11/8/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		11/8/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		11/8/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		11/8/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		11/8/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		11/8/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		11/8/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		11/8/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
cis-1,2-Dichloroethene	0.112	mg/kg	0.021	0.068	1	8260B		11/8/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		11/8/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		11/8/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		11/8/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		11/8/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		11/8/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		11/8/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		11/8/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		11/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
Naphthalene	0.234 "J"	mg/kg	0.087	0.28	1	8260B		11/8/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		11/8/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		11/8/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		11/8/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		11/8/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		11/8/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		11/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		11/8/2016	CJR	1
Vinyl Chloride	0.032	mg/kg	0.01	0.031	1	8260B		11/8/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		11/8/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020D
Sample ID 6229 HB-8 0.5-1.5
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Toluene-d8	96	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Dibromofluoromethane	115	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 4-Bromofluorobenzene	96	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	110	Rec %			1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020E
Sample ID 6229 HB-9 1-2
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.2	%			1	5021		11/4/2016	TCC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		11/8/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		11/8/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		11/8/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		11/8/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		11/8/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		11/8/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		11/8/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		11/8/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		11/8/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		11/8/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		11/8/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		11/8/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
cis-1,2-Dichloroethene	0.076	mg/kg	0.021	0.068	1	8260B		11/8/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		11/8/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		11/8/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		11/8/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		11/8/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		11/8/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		11/8/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		11/8/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		11/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		11/8/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		11/8/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		11/8/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		11/8/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		11/8/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		11/8/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		11/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		11/8/2016	CJR	1
Vinyl Chloride	0.058	mg/kg	0.01	0.031	1	8260B		11/8/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		11/8/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020E
Sample ID 6229 HB-9 1-2
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 4-Bromofluorobenzene	90	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Dibromofluoromethane	107	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020F
Sample ID 6229 HB-10 0.8-1.8
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	70.7	%			1	5021		11/4/2016	TCC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		11/8/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		11/8/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		11/8/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		11/8/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		11/8/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		11/8/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		11/8/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		11/8/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		11/8/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		11/8/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		11/8/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		11/8/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.068	1	8260B		11/8/2016	CJR	1
trans-1,2-Dichloroethene	< 0.024	mg/kg	0.024	0.076	1	8260B		11/8/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		11/8/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		11/8/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		11/8/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		11/8/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		11/8/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		11/8/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		11/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		11/8/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		11/8/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
Tetrachloroethene	< 0.054	mg/kg	0.054	0.17	1	8260B		11/8/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		11/8/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		11/8/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		11/8/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		11/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		11/8/2016	CJR	1
Vinyl Chloride	< 0.01	mg/kg	0.01	0.031	1	8260B		11/8/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		11/8/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020F
Sample ID 6229 HB-10 0.8-1.8
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	108	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Dibromofluoromethane	113	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020G
Sample ID 6229 HB-11 0.7-1.7
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	75.9	%			1	5021		11/4/2016	TCC	1
Organic										
VOC's										
Benzene	< 0.016	mg/kg	0.016	0.049	1	8260B		11/8/2016	CJR	1
Bromobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Bromodichloromethane	< 0.015	mg/kg	0.015	0.048	1	8260B		11/8/2016	CJR	1
Bromoform	< 0.023	mg/kg	0.023	0.073	1	8260B		11/8/2016	CJR	1
tert-Butylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
sec-Butylbenzene	< 0.036	mg/kg	0.036	0.11	1	8260B		11/8/2016	CJR	1
n-Butylbenzene	< 0.086	mg/kg	0.086	0.27	1	8260B		11/8/2016	CJR	1
Carbon Tetrachloride	< 0.021	mg/kg	0.021	0.067	1	8260B		11/8/2016	CJR	1
Chlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Chloroethane	< 0.045	mg/kg	0.045	0.14	1	8260B		11/8/2016	CJR	1
Chloroform	< 0.026	mg/kg	0.026	0.081	1	8260B		11/8/2016	CJR	1
Chloromethane	< 0.25	mg/kg	0.25	0.78	1	8260B		11/8/2016	CJR	1
2-Chlorotoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
4-Chlorotoluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
Dibromochloromethane	< 0.031	mg/kg	0.031	0.098	1	8260B		11/8/2016	CJR	1
1,4-Dichlorobenzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,3-Dichlorobenzene	< 0.03	mg/kg	0.03	0.097	1	8260B		11/8/2016	CJR	1
1,2-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2016	CJR	1
Dichlorodifluoromethane	< 0.043	mg/kg	0.043	0.14	1	8260B		11/8/2016	CJR	1
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2016	CJR	1
1,1-Dichloroethene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
cis-1,2-Dichloroethene	4.1	mg/kg	0.021	0.068	1	8260B		11/8/2016	CJR	1
trans-1,2-Dichloroethene	0.107	mg/kg	0.024	0.076	1	8260B		11/8/2016	CJR	1
1,2-Dichloropropane	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
2,2-Dichloropropane	< 0.1	mg/kg	0.1	0.33	1	8260B		11/8/2016	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.097	1	8260B		11/8/2016	CJR	1
Di-isopropyl ether	< 0.012	mg/kg	0.012	0.04	1	8260B		11/8/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	1	8260B		11/8/2016	CJR	1
Hexachlorobutadiene	< 0.11	mg/kg	0.11	0.36	1	8260B		11/8/2016	CJR	1
Isopropylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2016	CJR	1
p-Isopropyltoluene	< 0.056	mg/kg	0.056	0.18	1	8260B		11/8/2016	CJR	1
Methylene chloride	< 0.22	mg/kg	0.22	0.7	1	8260B		11/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	1	8260B		11/8/2016	CJR	1
Naphthalene	< 0.087	mg/kg	0.087	0.28	1	8260B		11/8/2016	CJR	1
n-Propylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.013	mg/kg	0.013	0.04	1	8260B		11/8/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2016	CJR	1
Tetrachloroethene	0.069 "J"	mg/kg	0.054	0.17	1	8260B		11/8/2016	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.099	1	8260B		11/8/2016	CJR	1
1,2,4-Trichlorobenzene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2016	CJR	1
1,2,3-Trichlorobenzene	< 0.12	mg/kg	0.12	0.38	1	8260B		11/8/2016	CJR	1
1,1,1-Trichloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2016	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2016	CJR	1
Trichloroethene (TCE)	< 0.042	mg/kg	0.042	0.13	1	8260B		11/8/2016	CJR	1
Trichlorofluoromethane	< 0.06	mg/kg	0.06	0.19	1	8260B		11/8/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	1	8260B		11/8/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	1	8260B		11/8/2016	CJR	1
Vinyl Chloride	0.203	mg/kg	0.01	0.031	1	8260B		11/8/2016	CJR	1
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	1	8260B		11/8/2016	CJR	1
o-Xylene	< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2016	CJR	1

Project Name LLOYD'S CLEANERS **Invoice #** E32020
Project # 6229 PO#2016234

Lab Code 5032020G
Sample ID 6229 HB-11 0.7-1.7
Sample Matrix Soil
Sample Date 11/2/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Toluene-d8	99	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	106	Rec %			1	8260B		11/8/2016	CJR	1
SUR - 4-Bromofluorobenzene	88	Rec %			1	8260B		11/8/2016	CJR	1
SUR - Dibromofluoromethane	106	Rec %			1	8260B		11/8/2016	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

WDF

Chain # Nº 292

Page 1 of 1

Sample Handling Request
_____ Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : | **Quote No.:**

Project #: 6229

Sampler: (signature)

Project (Name / Location): Lloyds Cleaners / Milwaukee WI

Reports To: W. Fassbender / K. Heimstead	Invoice To:
Company EnviroForensics	Company
Address N6W23390 Stone Ridge Dr, Ste G	Address
City State Zip Waukesha WI 53188	City State Zip
Phone 317-972-7870	Phone
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	TCLP VOCs (Herbs)	PID/ FID
5032020 A	6229-HB-5-(0.5-1.5)	11/2	915		X	N	3	S	MeOH													X		X	
B	6229-HB-6-(0.5-1.5)	11/2	935		X	N	3	S	MeOH													X		X	
C	6229-HB-7-(0.5-1.5)	11/2	955		X	N	3	S	MeOH													X		X	
D	6229-HB-8-(0.5-1.5)	11/2	1015		X	N	3	S	MeOH													X		X	
E	6229-HB-9-(1-2)	11/2	1050		X	N	3	S	MeOH													X		X	
F	6229-HB-10-(0.5-1.0)	11/2	1140		X	N	3	S	MeOH													X		X	
G	6229-HB-11-(0.7-1.7)	11/2	1205		X	N	3	S	MeOH													X		X	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

PO# 2016234

Hold All TCLP Samples for potential analysis if any totals exceed 20x rule.

Sample Integrity - To be completed by receiving lab.

Method of Shipment: SM

Temp. of Temp. Blank ___ °C On Ice: X

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	10:25	11-3-16		10:25	11/3/16

Received in Laboratory By: Time: 8:00 Date: 11/4/16

APPENDIX B

Waste Disposal Manifests

Dry

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of 1	

3. Generator's Mailing Address:
Lloyd's Cleaners
4837 North Tutonia Avenue
Milwaukee WI 53209
4. Generator's Phone (209) 390-9814

Generator's Site Address (If different than mailing):
Lloyd's Cleaners
4837 North Tutonia Avenue
Milwaukee WI 53209

A. Manifest Number **WMNA**
B. State Generator's ID 723

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID / D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID / F. Transporter's Phone

9. Designated Facility Name and Site Address
Orchard Ridge RDF
W124 N9355 Boundary Road
Menomonee Falls, WI 53051

10. US EPA ID Number

G. State Facility ID
H. State Facility Phone 262-253-8620

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Dry Cleaning Solvent Impacted Soil WM Profile # V126479WI					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

BILL TO:

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: **Kyle Heimstead (209) 390-9814**

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Agent of Client, Garret Schacht	Garret Schacht	02	15	2017

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Adam Swift		02	15	17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		2	15	17

WASTE MANAGEMENT

13466049

Orchard Ridge RDF
W124 N7955 Boundary Road
Menomonee Falls, WI, 53051
Ph: (262) 253-8620

Original
Ticket# 1524567

Customer Name ENVIROFORENICS ENVIRO FORENSI
Ticket Date 02/15/2017
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code A-24--06
Manifest na
Destination
PO
Profile V126479WI (DRY CLEANING SOLVENT IMPACTED SOIL)
Generator 136-LLOYDSCLEANERS LLOYDS CLEANERS

Carrier MORAINENEVIRONMENTAL MORAINE ENVIRON
Vehicle# 1
Container
Driver
Check#
Billing # 0004957
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/15/2017 13:26:07	InBound	jgindt		Gross	29940 lb
Out	02/15/2017 13:40:14	OutBound	jgindt		Tare	15380 lb
					Net	14460 lb
					Tons	7.23

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Spwaste VOC-Tons-5	100	7.23	Tons				WI
2	FUEL-Fuel Surcharg	100		%				WI
3	EVF-L-Standard Env	100	1	Load				WI

Total Tax
Total Ticket

403WM-N

Dry

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number
Lloyd's Cleaners 4837 North Tutonia Avenue Milwaukee WI 53209	Lloyd's Cleaners 4837 North Tutonia Avenue Milwaukee WI 53209	WMNA
4. Generator's Phone (209) 390-9814		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address Orchard Ridge RDF W124 N9355 Boundary Road Menomonee Falls, WI 53051	10. US EPA ID Number	G. State Facility ID
		H. State Facility Phone 262-253-8620

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Dry Cleaning Solvent Impacted Soil WM Profile # V126479WI					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
BILL TO:	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT / PHONE NO.: **Kyle Heimstead (209) 390-9814**

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Agent of Client, Contract		02	16	17

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Adam Sweet		02	16	17

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
			16	17

WASTE MANAGEMENT

13466295

Orchard Ridge RDF
W124 N7355 Boundary Road
Menomonee Falls, WI, 53051
Ph: (262) 259-8620

Original
Ticket# 1524923

Customer Name	ENVIROFORENICS ENVIRO FORENSI	Carrier	MORAINENEVIRONMENTAL MORAINE ENVIRON
Ticket Date	02/16/2017	Vehicle#	1 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0004957
State Waste Code	A-24-06	Gen EPA ID	
Manifest	na		
Destination		Grid	
PO			
Profile	V126479WI (DRY CLEANING SOLVENT IMPACTED SOIL)		
Generator	136-LLOYDSCLEANERS LLOYDS CLEANERS		

	Time	Scale	Operator	Inbound		
In	02/16/2017 13:38:09	InBound	jgindt		Gross	31340 lb
Out	02/16/2017 13:52:49	OutBound	jgindt		Tare	15260 lb
					Net	16080 lb
					Tons	8.04

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Sowaste VOC-Tons-S	100	8.04	Tons				WI
2	FUEL-Fuel Surcharg	100		%				WI
3	EVF-L-Standard Env	100	1	Load				WI

Total Tax
Total Ticket

403WM-N

APPENDIX C

Sub-Slab Vapor Laboratory Analytical Report

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Mr. W. Fassbender
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

March 14, 2017

EnvisionAir Project Number: 2017-137
Client Project Name: 6229 / Lloyd's

Dear Mr. Fassbender,

Please find the attached analytical report for the samples received March 3, 2017. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

Stanley A Hunnicutt

Project Manager
EnvisionAir, LLC

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6229 / LLOYD'S

Client Project Manager: W FASSBENDER

EnvisionAir Project Number: 2017-137

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
17-598	6229-SSV-11	A	3/2/17	14:15	3/2/17	14:19	3/3/17	10:10	-30	-4	-4
17-599	6229-SSV-12	A	3/2/17	14:46	3/2/17	14:50	3/3/17	10:10	-29	-4	-4

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6229 / LLOYD'S

Client Project Manager: W FASSBENDER

EnvisionAir Project Number: 2017-137

Analytical Method: TO-15
Analytical Batch: 030817AIR

Client Sample ID: 6229-SSV-11
Envision Sample Number: 17-598
Sample Matrix: AIR

Sample Collection START Date/Time: 3/2/17 14:15
Sample Collection END Date/Time: 3/2/17 14:19
Sample Received Date/Time: 3/3/17 10:10

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	**1,510**	793	2
Tetrachloroethene	**19,000**	638	2
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	**303**	10.7	
Vinyl Chloride	**130**	6.4	
4-bromofluorobenzene (surrogate)	111%		
Analysis Date/Time:	3-8-17/22:43		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6229 / LLOYD'S

Client Project Manager: W FASSBENDER

EnvisionAir Project Number: 2017-137

Analytical Method: TO-15
Analytical Batch: 030817AIR

Client Sample ID: 6229-SSV-12
Envision Sample Number: 17-599
Sample Matrix: AIR

Sample Collection START Date/Time: 3/2/17 14:46
Sample Collection END Date/Time: 3/2/17 14:50
Sample Received Date/Time: 3/3/17 10:10

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	**1,810**	317	1
Tetrachloroethene	**2,180**	255	1
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	**365**	10.7	
Vinyl Chloride	**47.5**	6.4	
4-bromofluorobenzene (surrogate)	109%		
Analysis Date/Time:	3-8-17/22:10		
Analyst Initials	tjg		

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Indianapolis, IN 46239
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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 030817AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	113%		
Analysis Date/Time:	3-8-17/12:03		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Vinyl Chloride	9.82	10	10	98%	100%	1.8%	
trans-1,2-Dichloroethene	10.6	10.9	10	106%	109%	2.8%	
cis-1,2-Dichloroethene	11	11.2	10	110%	112%	1.8%	
Trichloroethene	9.29	9.53	10	93%	95%	2.6%	
Tetrachloroethene	9.53	9.46	10	95%	95%	0.7%	
4-bromofluorobenzene (surrogate)	115%	111%					
Analysis Date/Time:	3-8-17/10:53	3-8-17/11:29					
Analyst Initials	tjg	tjg					

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Flag Number	Comments
1	Reported value is from an 80x dilution. TJG 3-14-17
2	Reported value is from a 200x dilution. TJG 3-14-17

EnvisionAir Proj#: 2017-137 Page 1 of 1

CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: NFO	P.O. Number: 2017-0334
Report Address: N116 W23390 Stone Ridge Dr. Waukesha, WI	Project Name or Number: 6229 - Lloyd's
Report To: W. Fassbender	Sampled by: G. Schacht
Phone: 414-982-3988	QA/QC Required: (circle if applicable) Level III Level IV
Invoice Address: SAME	Reporting Units needed: (circle) ug/m³ mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Liter Canister, 6LC = 6 Liter Canister, TB = Tedlar Bag, TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List / TO-15 Short List

ENVISIONAIR

www.envision-air.com

Sampling Type:
Soil-Gas: ☐
Sub-Slab: ☒
Indoor-Air: ☐

Canister Pressure / Vacuum

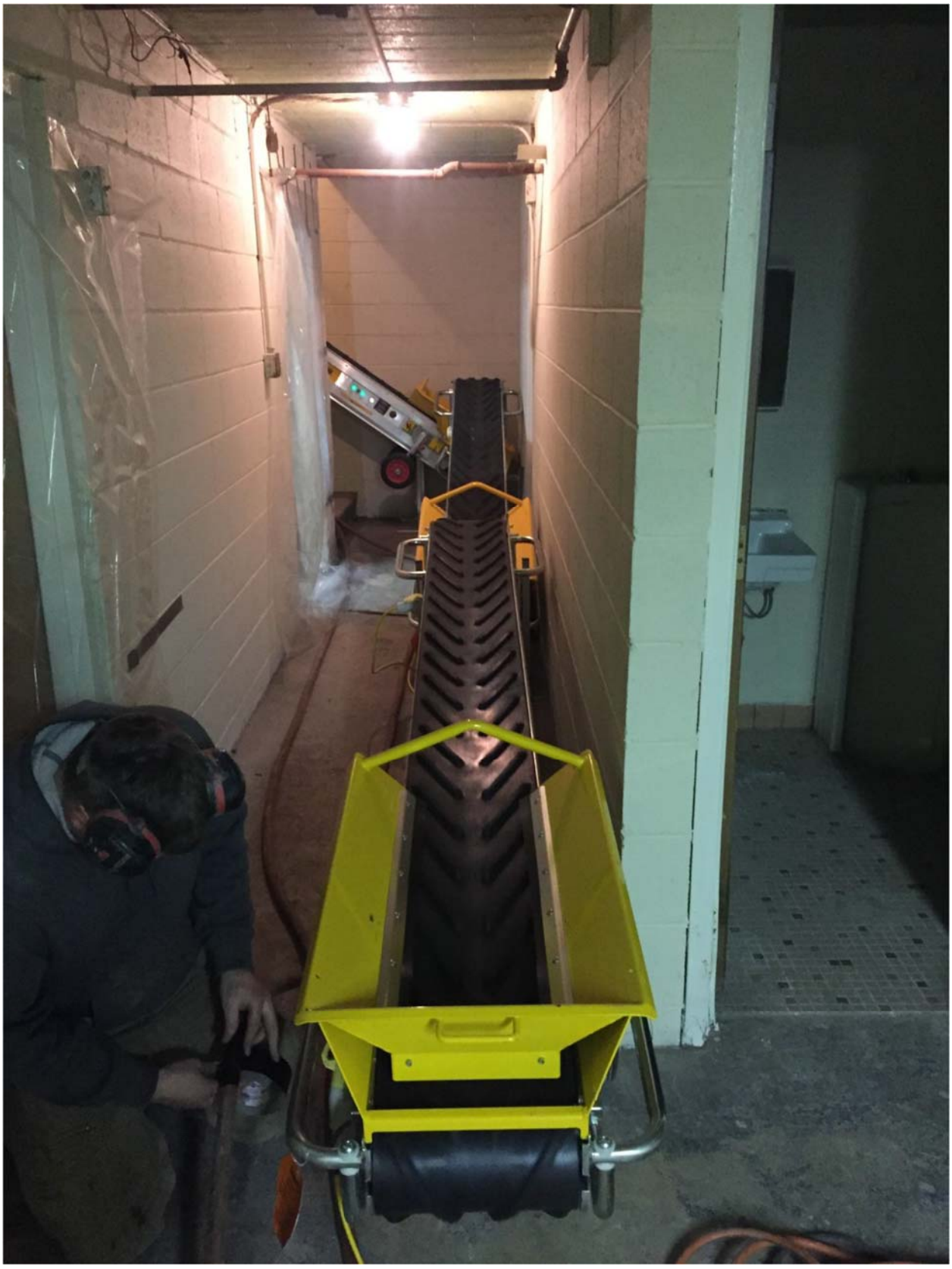
Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6229-SSV-11	1LC	3-2-17	1415	3-2-17	1419		X			2229	—	-30	-4	-4	17-598
6229-SSV-12	1LC	3-2-17	1446	3-2-17	1450		X			83730	—	-29	-4	-4	17-599

Comments: CC. Lab results to G. Schacht

Relinquished by:	Date	Time	Received by:	Date	Time
Garret Schacht/	3-2-17	15:30	FedEx		
				3/3/17	1010

APPENDIX D

Photographs



Pre-Excavation conveyor setup. Facing south.

Conveyor moving material out the southeast building entrance. Facing west.

Main storage room with concrete slab removed. Facing south.

Soil excavation along west wall of storage room.

Excavation in south restroom.

North restroom backfill and horizontal vent pipe.

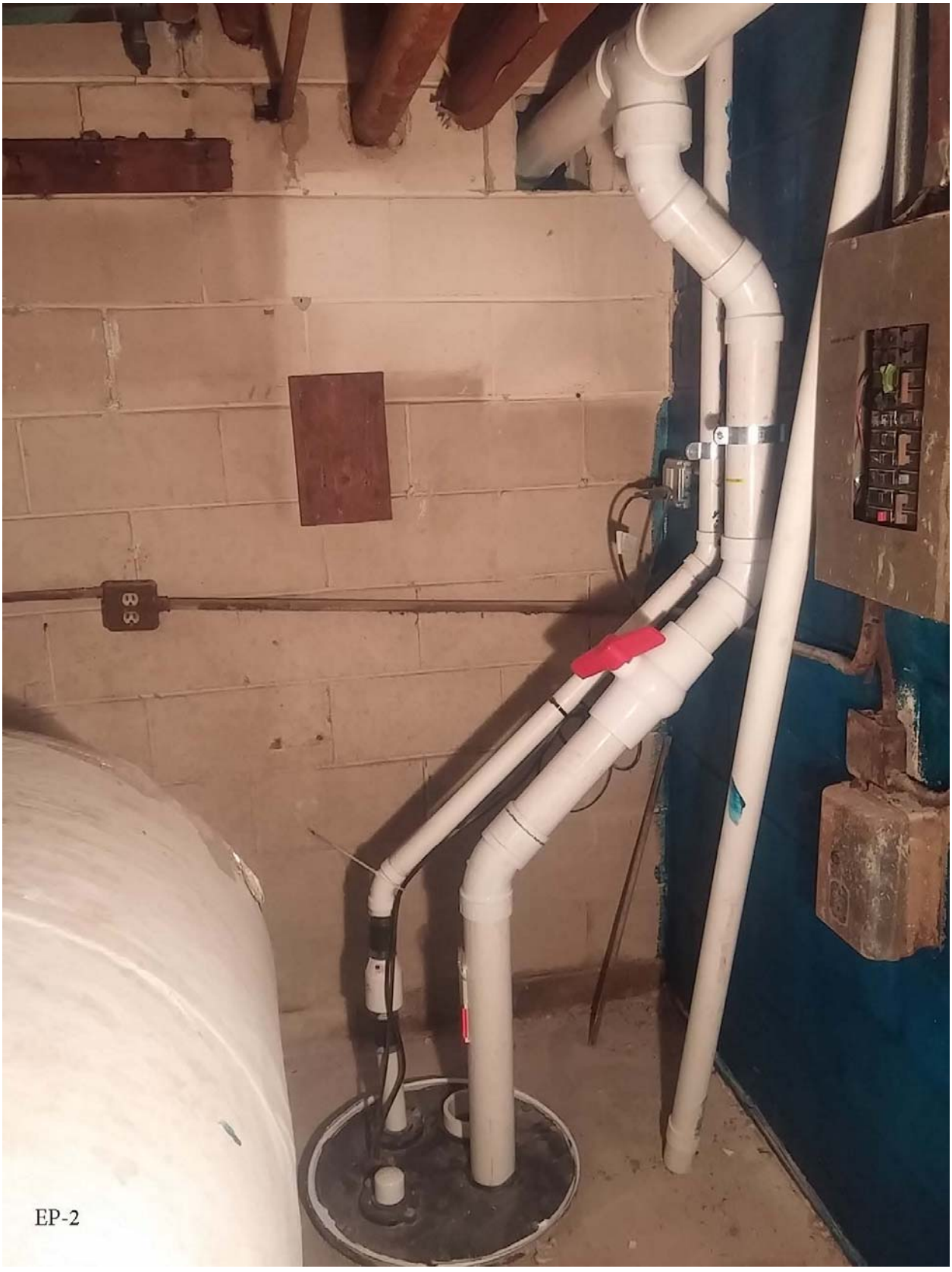
Horizontal vent pipes and pea gravel backfill in main storage room. Facing south.

Vent pipe risers. Facing north.

Vapor barrier and preparation for concrete slab replacement

Excavation work completed.

SSDS extraction points at north end of main storage room.



SSDS extraction point in sump crock

SSDS extraction point at north end of mechanical room.

APPENDIX E

Blue Max Material Safety Data Sheet

Ames' Blue Max™
Regular-grade

Material **S**afety **D**ata **S**heets (MSDS)

HMIS-NPCA-MFPA	Health	1
	Flammability	1
	Reactivity	0
	Personal Protection	

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION		
PRODUCT NAME	Ames' Blue Max™ Regular-grade	
IDENTIFICATION		
DATE PRINTED		
PRODUCT USE/CLASS	Latex Paints & Coatings, water born dispersion	
MANUFACTURER	Ames Research Laboratories, Inc. Salem, Oregon 97302	**Corporate Office:** 1891 16th St SE Salem, Oregon 97302-1436
EMERGENCY TELEPHONE	1-888-345-0809	
PREPARER (optional)		
PHONE	(503) 588-3330	
PREPARE DATE	09-02-15	

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS			
ITEM	CHEMICAL NAME	CAS NUMBER	% BY WT
01	A specialty formulated waterbase man-made rubber technology. Further information provided upon qualified request to our customers. Fax your request to 503-364-2380. Include: address, phone number, and company name for further information.	Proprietary	45-55
02	Water	7732-18-5	45-55
03			

Material is not known to contain Toxic Chemicals under section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372. Product alkaline to PH-10. May cause stomach distress if ingested. Do not ingest.

SECTION 3 – HAZARDOUS IDENTIFICATION	
EMERGENCY OVERVIEW: No significant immediate hazards for emergency response are known. Milky white liquid emulsion. Slight odor. Dike and contain spill. Avoid dilution of spills.	
EYE CONTACT	May cause slight transient (temporary) eye irritation. Corneal injury unlikely.
SKIN CONTACT	Short single exposure not likely to cause significant skin irritation. Prolonged and repeated exposure may cause slight skin irritation. Material may stick to skin causing irritation upon removal. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.
INHALATION	With good ventilation, a single exposure to vapors is not expected to cause adverse effects.
INGESTION	Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.
SYSTEMIC EFFECTS (Other target organs)	No relevant information found.

SECTION 4 – FIRST AID MEASURES	
FIRST AID	
EYE CONTACT	Immediately flush eyes with large quantities of clean water for at least 15 minutes. Consult a physician.
SKIN CONTACT	Wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.
INHALATION	Remove affected individual(s) to fresh air. Seek medical attention if breathing difficulty develops.
INGESTION	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
NOTES TO PHYSICIAN	No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

SECTION 5 - FIRE FIGHTING MEASURES	
FLASH POINT	Not applicable
METHOD USED	Not applicable
AUTOIGNITION TEMPERATURE	Not applicable
FLAMMABLE LIMITS IN AIR (LOWER)	Not applicable
FLAMMABLE LIMITS IN AIR (UPPER)	Not applicable
FIRE FIGHTING EXTINGUISHING MEDIA	To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical or foam.
FIRE FIGHTING EQUIPMENT	Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.
FIRE FIGHTING INSTRUCTIONS	Keep people away. Isolate fire area and deny unnecessary entry. Containers of this material may build up pressure if exposed to heat (fire). Use a water spray to cool fire-exposed containers.
FIRE/EXPLOSION HAZARDS	This material will not burn unless it is evaporated to dryness.
HAZARDOUS COMBUSTION PRODUCTS	Under fire conditions, some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to hydrocarbons, carbon monoxide and dense smoke.

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	
PERSONAL PRECAUTIONS	Avoid unnecessary exposure and contact. Barricade the area to restrict access. Persons not wearing protective equipment (see section 8) should be excluded from the area of the spill until clean-up has been completed.
ENVIRONMENTAL PRECAUTIONS	Stop leak at source when it is safe to do so. Dike and contain spill. Prevent spilled material from contaminating soil or entering drains, sewers, streams or other bodies of water.
CLEANUP PROCEDURES	Avoid dilution with water to minimize the extent of the spill. Recover and recycle spilled latex if possible, otherwise, collect with absorbent material and transfer to appropriate containers for disposal. Water may be used for final cleaning of affected area.

SECTION 7 – HANDLING AND STORAGE	
HANDLING:	Practice reasonable care to avoid repeated, prolonged skin contact. An eye wash station and a safety shower should be readily accessible to workers wherever this material is stored or used.
STORAGE:	Keep from freezing. Store at temperatures between 40^{O} F and 110^{O} F. Material may develop bacteria odor on long-term storage. No safety problems known.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION	
EXPOSURE LIMITS GUIDELINES	There are no exposure limits assigned to the polymer in this product by the Occupational Safety and Health Administration (OSHA) or American Conference of Governmental Industrial Hygenists (ACGIH).
ENGINEERING CONTROLS	Good general ventilation should be sufficient for most conditions.
PERSONAL PROTECTIVE EQUIPMENT	EYES: Wear safety glasses with side shields or goggles. SKIN: Wear clean, long-sleeved, body-covering, clothing. Nitrile, neoprene®, or rubber gloves should provide protection against skin contact. INHALATION: For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, or areas are poorly ventilated, use an approved air-purifying respirator.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES			
BOILING RANGE:	212ºF (100^{O} C)	VAPOR DENSITY:	0.624 @ 80^{O} F (26.7^{O} C)
ODOR:	Slight odor	PHYSICAL STATE	Liquid
APPEARANCE:	Thick, blue liquid.	SPECIFIC GRAVITY:	0.98 - 1.04
pH	9.0 – 10.0	VAPOR PRESSURE	17.5 mm Hg @ 68^{O} F (20^{O} C)
FREEZING POINT	32^{O} F (0 ^{O} C)		
SOLUBILITY	Product is sold as dilutable. Polymer component is insoluble		
ADDITIONAL INFORMATION	The physical data listed are for a series of latexes. For specific properties on any given latex, see the product bulletin.		

(See Section 16 for abbreviation legend)

SECTION 10 –STABILITY AND REACTIVITY	
STABILITY	This material is stable during storage and during its extended use.
INCOMPATIBLE MATERIALS/SUBSTANCES	Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.
CONDITIONS TO AVOID	Avoid freezing temperatures (less than 32^{O} F or 0^{O} C). Products decompose at elevated temperatures.
HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition may produce various hydrocarbons and irritating, acrid vapors.
HAZARDOUS POLYMERIZATION	Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL PROPERTIES	
ACUTE TOXICITY (HUMANS)	Refer to section 3 for available information on potential health effects. For detailed toxicological data, write or call the address or non-emergency number shown in section 1.
SKIN:	Based on properties of similar polymers, the polymer is not hazardous.
INGESTION:	Based on properties of similar polymers, the polymer is not hazardous.
INHALATION:	Based on properties of similar polymers, the polymer is not hazardous.

SECTION 12 – ECOLOGICAL INFORMATION	
MOVEMENT & PARTITIONING	Latex dispersions will color water a milky white. No bioconcentration of the polymeric component is expected because of its high molecular weight.
DEGRADATION & PERSISTENCE	The polymeric component is not expected to biodegrade.
ECOTOXICITY	Based largely or completely on information for similar material(s): Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 > 100 mg/L in the most sensitive species tested).

SECTION 13 – DISPOSAL CONSIDERATIONS	
DISPOSAL METHOD:	Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14 – TRANSPORTATION INFORMATION	
DEPT. OF TRANSPORTATION (DOT) – US	This product is not regulated by D. O. T. when shipped domestically by land.
TRANSPORTATION OF DANGEROUS GOODS (TDG) - CANADA	This product is not regulated by TDG when shipped domestically by land.

SECTION 15 – REGULARTORY INFORMATION
U.S. FEDERAL REGULATIONS: Occupational Safety and Health Act (OSHA): This material is not classified as hazardous under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200. TSCA Section 8(b) – Inventory Status: All components of this material are listed on or are exempt from the US toxic Substances Control Act (TSCA) inventory. TSCA Section 12(b)-Export Notification: 4-Vinylcyclohexene (CAS# 100-40-3) is subject to the US Toxic Substances Control Act (TSCA) Section 12(b) Export Reporting requirements. SARA Title III Section 304 – CERCLA: Components of this product are not subject to reporting under the requirements of the Comprehensive Environmental Response. Compensation, and Liability Act. (CERCLA) SARA Title III Section 313 Toxic Chemical List (TCL): To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements. SARA Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: - Not to have met any hazard category.
WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) – CANADA: Workplace Hazardous Materials Information System (WHMIS) – Canada: This material is not classified as a controlled product under the Canadian workplace Hazardous Material Information System. Canadian Inventory Status: All components of this material are listed on the Canadian Domestic Substances List (DSL). Additional Canadian Regulatory Information: This product does not contain a substance present on the WHMIS Ingredient Disclosure List. (IDL) which is at or above the specified concentration limit.
ADDITIONAL INFORMATION: California Proposition 65: This material contains a chemical known to the State of California to cause cancer. The California Safe Drinking Water and Toxic Enforcement Act of 1986 requires that clear and reasonable warning be given prior to exposing any person to this chemical. - 4-Vinylclohexene

SECTION 16 – OTHER INFORMATION				
HMIS RATINGS:	HEALTH 1	FLAMMABILITY 1	REACTIVITY 0	PERSONAL PROTECTION
PREVIOUS REVISION DATE	12-11-08			
REASON FOR REVISION	Added information for Canada			
LEGEND:	N.A. not applicable, N.E. Not established, N.D. Not determinded			
VOLATILE ORGANIC COMPOUNDS	VOC compliant			
ABBREVIATIONS USED:	N/A (information or data not available); NTP (National Toxicology Program); IARC (International Agency for Research on Cancer); NIOSH (National Institute of occupational Safety and Health administration); PEL (Permissible Exposure Limit) [8 hr. TWA][OSHA]; TLV (Threshold Limit Value)[8 hr. TWA][ACGIH]; STEL (Short term exposure limit)[15 min. TWA][OSHA]; C (ceiling value).			
DISCLAIMER:	Ames Research Laboratories, Inc. believes that the information provided is accurate and reliable as of the date of this material safety data sheet and is given in good faith. No warranty expressed or implied is made as to the accuracy, reliability or completeness of the information. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State and Local laws and regulations. Ames Research Laboratories, Inc. urges persons receiving this information to make their own determination as to the information's suitability and applicability for an intended use. Note: This information must be included in all MSDS that are copied and distributed for this material.			

ATTACHMENT D – MAINTENANCE PLANS AND PHOTOGRAPHS

D.1. through D.4.

Cap Maintenance Plan

Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Plan

CAP MAINTENANCE PLAN

September 7, 2017

Property located at:

4837 NORTH TEUTONIA AVENUE
MILWAUKEE, WISCONSIN 53209
BRRTS# 02-41-556811

LEGAL DESCRIPTION: CERTIFIED SURVEY MAP NO 2994 IN SE 1/4 SEC 36, TOWNSHIP 8 NORTH, RANGE 21 EAST, IN PARCEL 3

TAX ID#: 2070833000

INTRODUCTION

This document is the Maintenance Plan for the asphalt and concrete surface materials (the "Cap") covering soil contaminated with chlorinated volatile organic compounds at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wis. Adm. Code. The maintenance activities relate to the existing asphalt parking lot areas and concrete building foundation, which occupy the area over the residual soil contamination.

More site-specific information about this property/site may be obtained from:

- The case file in the Wisconsin Department of Natural Resources (WDNR) Regional office;
- BRRTS on the Web (WDNR's internet based data base of contaminated sites)for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
- RR Sites Map/GIS Registry layer for a map view of the site, and
- The WDNR project manager.

DESCRIPTION OF CONTAMINATION

Soil contaminated by chlorinated volatile organic compounds (CVOCs) is located at a depth of approximately 1 to 14 feet below ground surface (bgs) in the area under the southern half of the site building and asphalt parking/walkway areas on the south and east sides of the building. Groundwater contaminated by CVOCs is encountered at a depth of approximately 10-20 feet bgs beneath the same areas. The extent of residual CVOC contamination in soil and groundwater is shown on the attached **Figure 1** and **Figure 2**, respectively.

DESCRIPTION OF CAP

The cap consists of the site building, including its concrete floor slab and foundation, and the asphalt parking/walkway areas that extend from the building to the property boundary to the south and east; and north to the defined extent of soil and groundwater impacts. The location and extent of the cap is depicted on **Figure 3**. The existing cap is an infiltration barrier to minimize soil-to-groundwater contamination migration. There are no soil concentrations that pose a risk of direct contact exposure to humans. The asphalt/concrete cap is 4 to 6 inches think across the property.

ANNUAL INSPECTION

The asphalt/concrete cap will be inspected once per year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that would allow a direct conduit for infiltration of rain water. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age, and other factors. Any area where large cracks or other openings have occurred or are likely to occur will be documented.

A log of the inspections and any repairs will be maintained by the property owner on WDNR Form 4400-305 (Continuing Obligations Inspection and Maintenance Log), included as **Attachment A**. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the Inspection Log. A copy of this Cap Maintenance Plan and the Inspection Log will be kept at the property and available for submittal or review by WDNR representatives upon their request.

MAINTENANCE ACTIVITIES

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger

resurfacing or construction operations. In the event that maintenance activities that involve soil removal and disposal are necessary, the property owner must sample any soil excavated from the site prior to disposal to ascertain if contamination is present. The soil must be treated, stored, or disposed of by the owner in accordance with applicable local, state and federal law.

In the event the asphalt and or concrete building foundation cover overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impermeable. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Cap Maintenance Plan unless indicated otherwise by the WDNR or its successor. The property owner, in order to maintain the integrity of the asphalt/concrete cap, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

PROHIBITION OF ACTIVITIES AND NOTIFICATION

The following activities are prohibited on any portion of the property where an asphalt/concrete cap is required as depicted on the attached **Figure 3**, unless prior written approval has been obtained from the WDNR: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure; 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses such as single or multi-family residences, a school, a daycare, or senior center; or 8) changing the construction of the building if the changes affect the operation of the vapor mitigation system.

If removal, replacement or other changes to the asphalt/concrete are considered, the property owner will contact WDNR at least 45 days before taking such an action, to determine whether further action may be necessary to protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

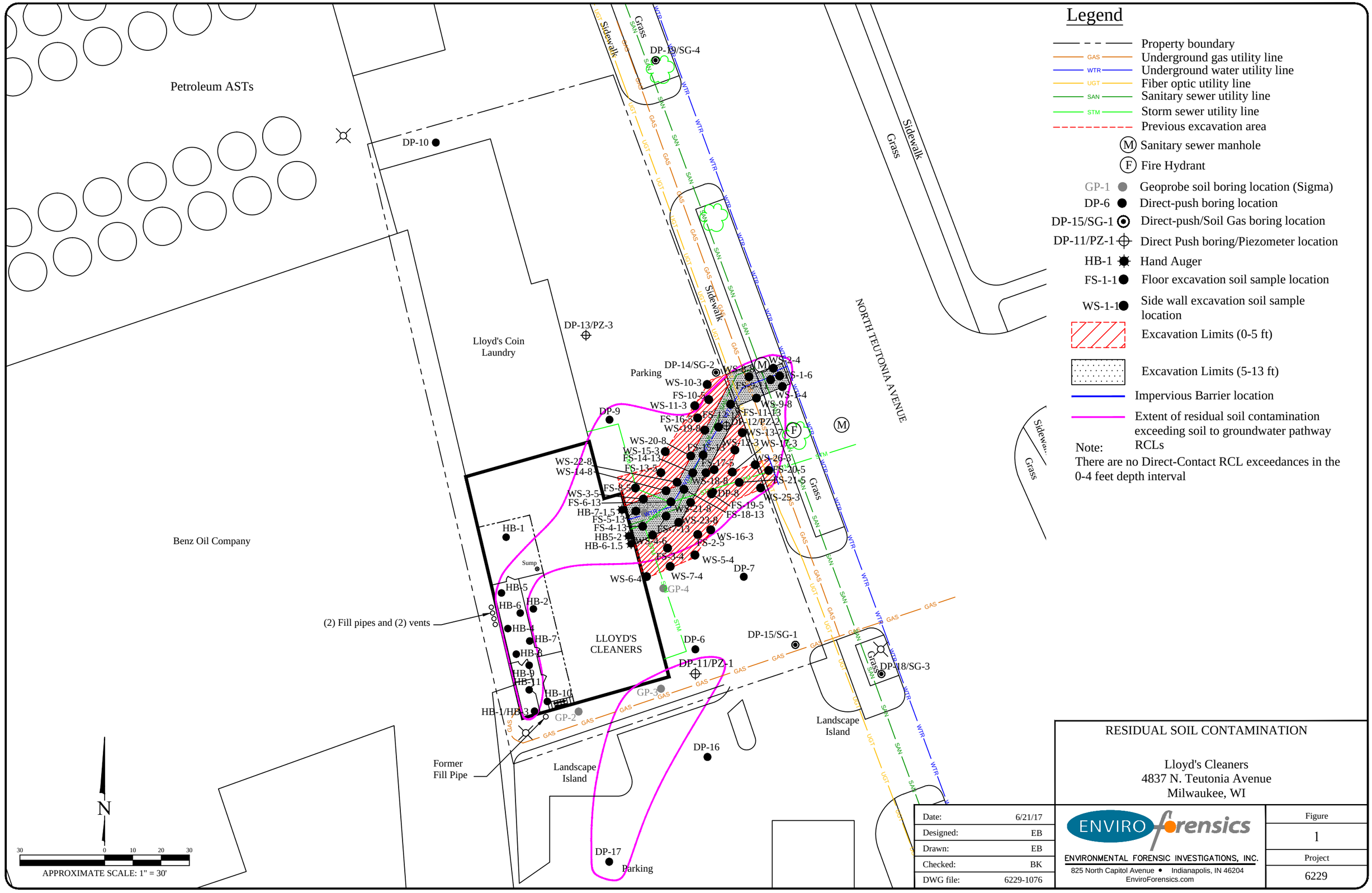
AMENDMENT OR WITHDRAWAL OF MAINTENANCE PLAN

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of the WDNR.

CONTACT INFORMATION

Site Owner and Operator:	Lloyd's Cleaners Thomas Anderson 4837 N. Teutonia Ave Milwaukee, WI 53209
Consultant:	Environmental Forensic Investigations, Inc. Wayne Fassbender, PG, PMP N16 W23390 Stone Ridge Dr., Suite G Waukesha, WI 53188 (262) 290-4001
WDNR Project Manager:	John Hnat Wisconsin Dept. of Natural Resources 2300 Dr. Martin Luther King Jr. Dr. Milwaukee, WI 53212 (414) 263-8644

FIGURES



Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole (M)
- Fire Hydrant (F)
- GP-1 Geoprobe soil boring location (Sigma)
- DP-6 Direct-push boring location
- DP-15/SG-1 Direct-push/Soil Gas boring location
- DP-11/PZ-1 Direct Push boring/Piezometer location
- HB-1 Hand Auger
- FS-1-1 Floor excavation soil sample location
- WS-1-1 Side wall excavation soil sample location
- Excavation Limits (0-5 ft)
- Excavation Limits (5-13 ft)
- Impervious Barrier location
- Extent of residual soil contamination exceeding soil to groundwater pathway RCLs

Note:
There are no Direct-Contact RCL exceedances in the 0-4 feet depth interval

RESIDUAL SOIL CONTAMINATION

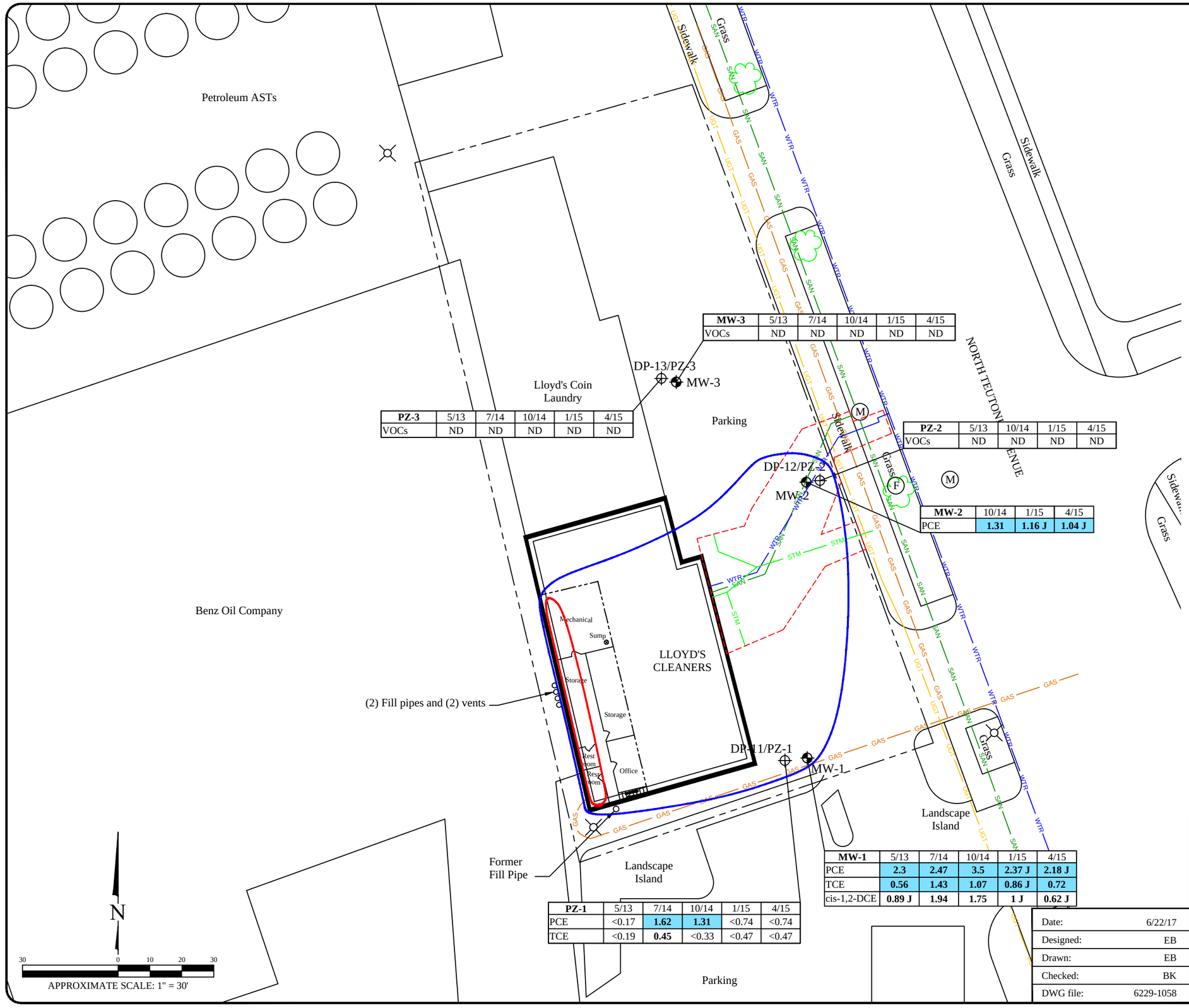
Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/21/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1076

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 1

Project 6229



MW-3	5/13	7/14	10/14	1/15	4/15
VOCs	ND	ND	ND	ND	ND

PZ-3	5/13	7/14	10/14	1/15	4/15
VOCs	ND	ND	ND	ND	ND

PZ-2	5/13	10/14	1/15	4/15
VOCs	ND	ND	ND	ND

MW-2	10/14	1/15	4/15
PCE	**1.31**	**1.16 J**	**1.04 J**

MW-1	5/13	7/14	10/14	1/15	4/15
PCE	**2.3**	**2.47**	**3.5**	**2.37 J**	**2.18 J**
TCE	**0.56**	**1.43**	**1.07**	**0.86 J**	**0.72**
cis-1,2-DCE	**0.89 J**	**1.94**	**1.75**	**1 J**	**0.62 J**

PZ-1	5/13	7/14	10/14	1/15	4/15
PCE	<0.17	**1.62**	**1.31**	<0.74	<0.74
TCE	<0.19	**0.45**	<0.33	<0.47	<0.47

Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole (M)
- Fire Hydrant (F)
- DP-11/PZ-1 — Direct Push boring / Piezometer location
- MW-1 — Monitoring well location

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	**0.5**	**5**
TCE	**0.5**	**5**
cis-1,2-DCE	**7**	**70**

Note:

1. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
2. Bolded values are above detection limits
3. J = Estimated concentration above the method detection limit and below the reporting limit
4. Samples analyzed using EPA SW-846 Method 8260
5. All results reported in units of micrograms per liter (ug/L)
6. PCE = Tetrachloroethylene
7. TCE = Trichloroethylene
8. cis-1,2-DCE = cis-1,2,-Dichloroethene
9. VOCs = Volatile Organic Compounds
10. ND = Not detected

Extent of residual groundwater impacts exceeding PALs
Extent of residual groundwater impacts exceeding ESs

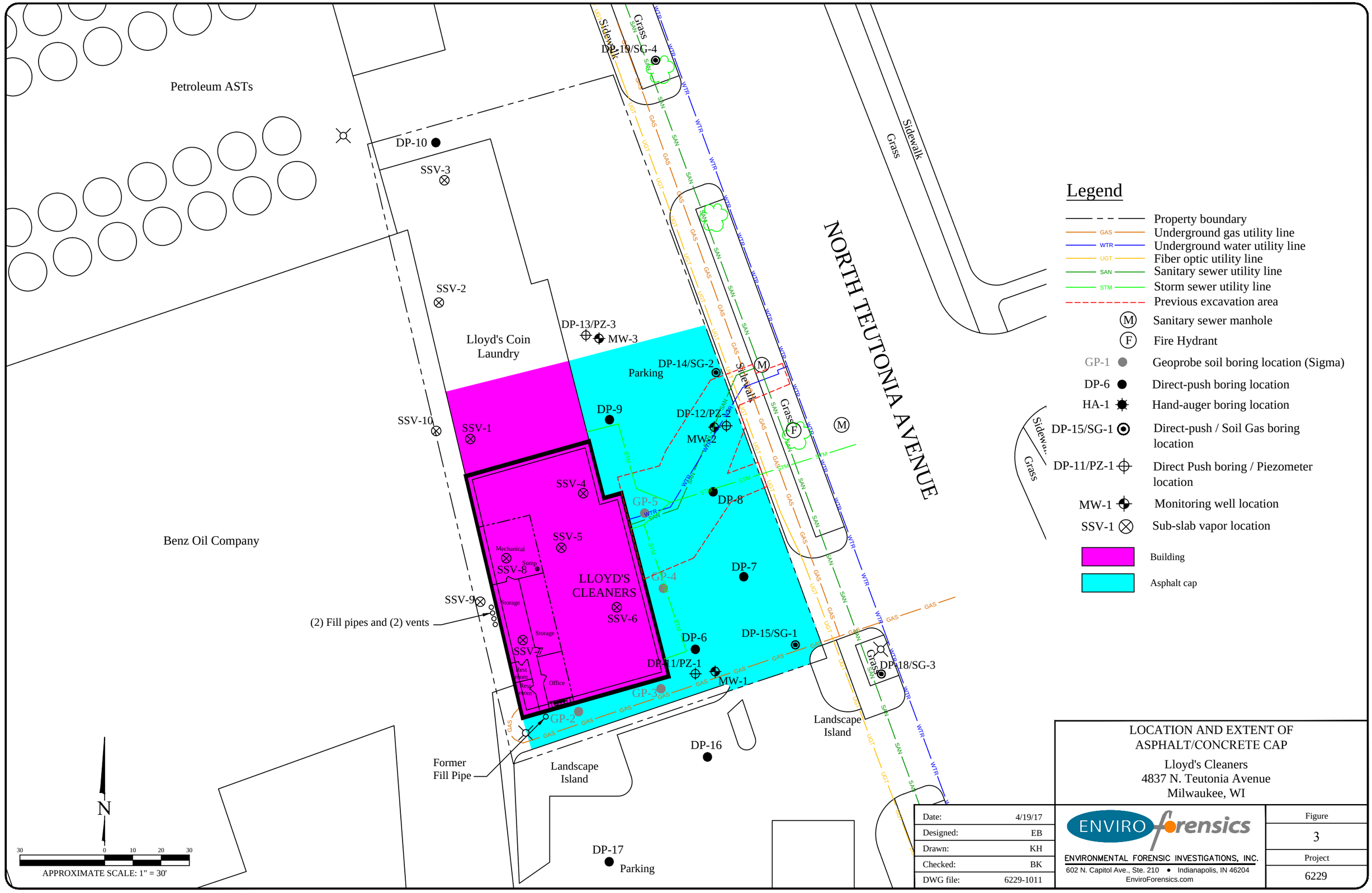
GROUNDWATER ISOCONCENTRATION

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/22/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1058

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure
2
Project
6229



Legend

- Property boundary
- GAS — Underground gas utility line
- WTR — Underground water utility line
- UGT — Fiber optic utility line
- SAN — Sanitary sewer utility line
- STM — Storm sewer utility line
- Previous excavation area
- (M) Sanitary sewer manhole
- (F) Fire Hydrant
- GP-1 Geoprobe soil boring location (Sigma)
- DP-6 Direct-push boring location
- HA-1 Hand-auger boring location
- DP-15/SG-1 Direct-push / Soil Gas boring location
- DP-11/PZ-1 Direct Push boring / Piezometer location
- MW-1 Monitoring well location
- SSV-1 Sub-slab vapor location
- Building
- Asphalt cap

LOCATION AND EXTENT OF ASPHALT/CONCRETE CAP

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	4/19/17
Designed:	EB
Drawn:	KH
Checked:	BK
DWG file:	6229-1011

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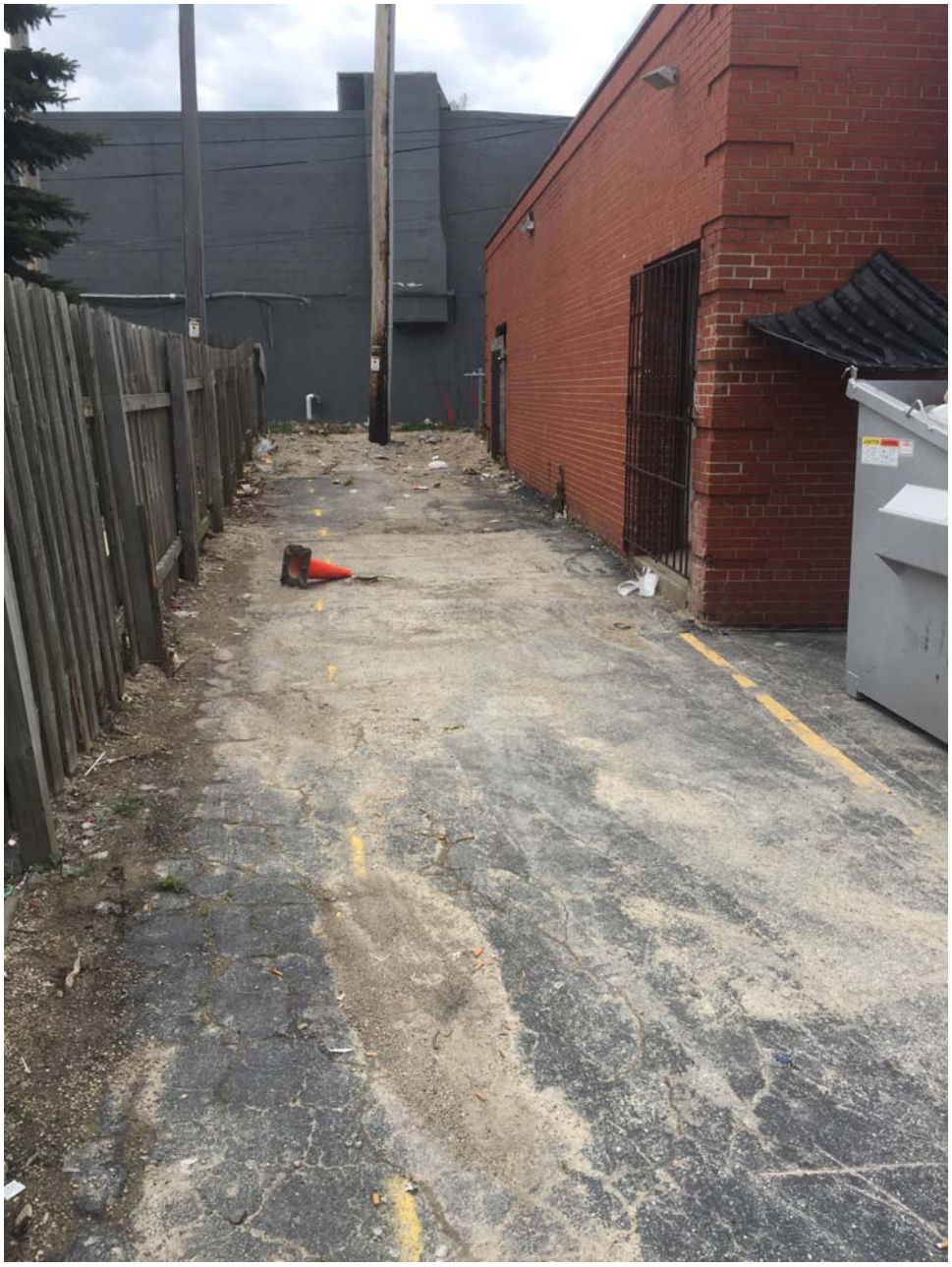
Figure	3
Project	6229

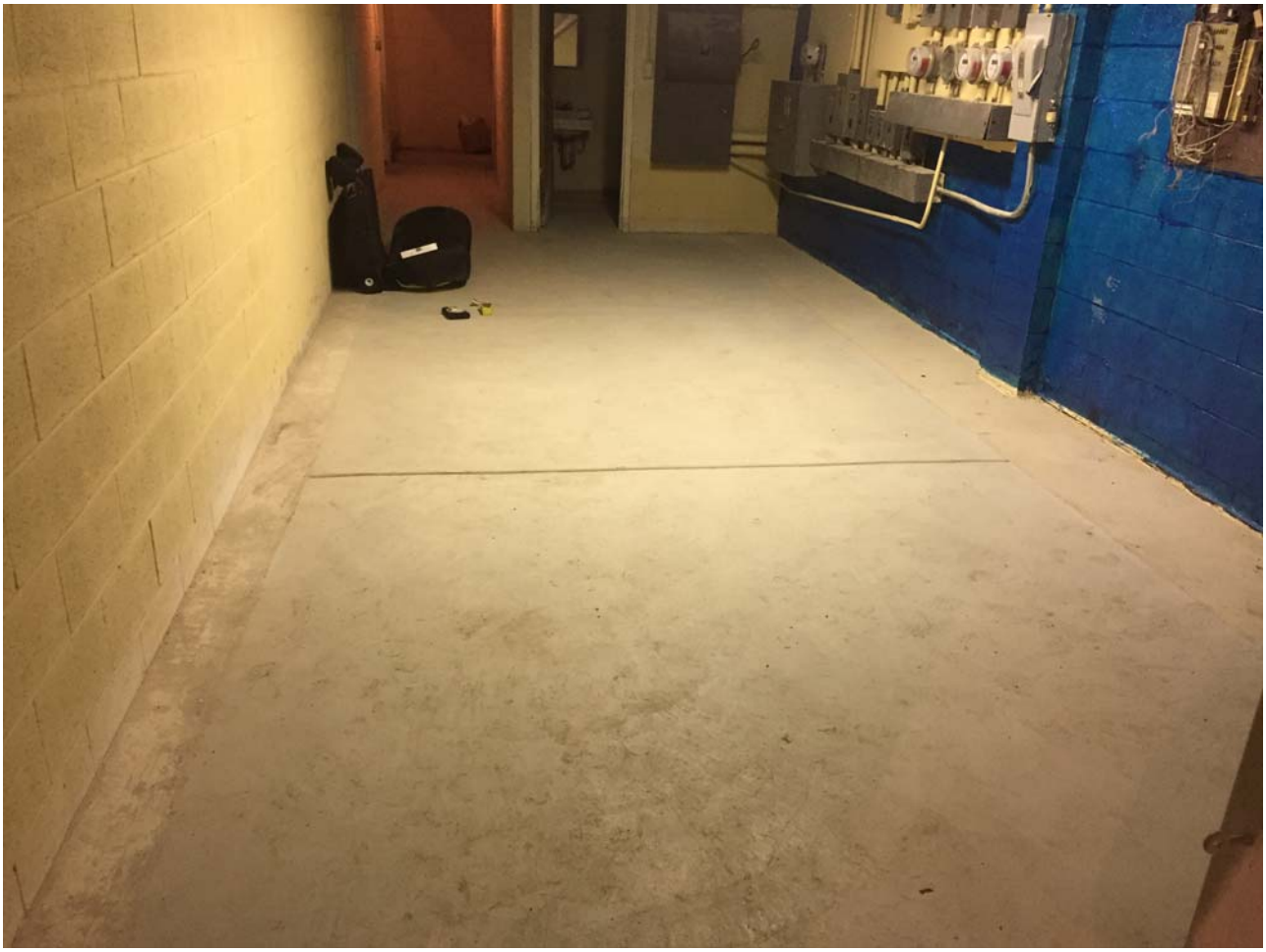
PHOTOGRAPHS

Overview of asphalt cap – facing north

Overview of asphalt cap – facing south



Asphalt on south side of building – facing west



Basement concrete floor slab


Basement mechanical room concrete floor slab

APPENDIX A

Continuing Obligations Inspection and Maintenance Log

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name	BRRTS No.

Inspections are required to be conducted (see closure approval letter):	When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):
◯ annually ◯ semi-annually ◯ other – specify ______	

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N

{Click to Add/Edit Image} Date added:

Title:

{Click to Add/Edit Image} Date added:

Title:

SUB-SLAB DEPRESSURIZATION SYSTEM
OPERATION, MAINTENANCE & MONITORING PLAN

Lloyd's Cleaners
4837 North Teutonia Avenue
Milwaukee, WI 53209
WDNR BRRTS# 02-41-556811
FID# 241417330

July 14, 2017

Prepared For:

Lloyd's Cleaners
4837 North Teutonia Avenue
Milwaukee, WI 53209

Prepared By:

Environmental Forensic Investigations, Inc.
N16 W23390 Stone Ridge Drive, Suite G
Waukesha, WI 53188
Phone: (262) 290-4001
www.enviroforensics.com

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FIGURES

APPENDICES

1.0 BACKGROUND

Lloyd's Cleaners is located at 4837 North Teutonia Avenue, Milwaukee, Wisconsin (Site). The layout of the Site is shown on **Figure 1**. The Site is located in an area of mixed land use consisting of residential, commercial, and industrial properties. The dry cleaning building is a single story structure with a partial basement having concrete block walls. The attached coin-operated laundry is a single story structure with a slab on grade. Sub-slab vapor sampling conducted in the basement in 2014 indicated that VOCs were present in vapor at concentrations above the vapor risk screening level (VRSL) for small commercial structures. Therefore, a sub-slab depressurization (SSD) system was installed to mitigate the vapor intrusion risk.

The SSD system is designed to depressurize the sub-slab space and prevent vapors from migrating into the building and affecting indoor air quality. The Wisconsin Department of Natural Resources (WDNR) requires that SSD systems be monitored and maintained to ensure ongoing effectiveness. Proper operation of the SSD system is necessary to prevent exposure to the chemicals of concern via vapor intrusion.

1.1 Site History

The Site was operated by others as an active dry cleaning facility from the early 1960's until 1981, when current owner Tom Anderson bought the property now known as Lloyd's Cleaners. Tetrachloroethene (PCE) was historically used as a dry cleaning solvent at this property until 2011, when Mr. Anderson discontinued active dry cleaning. PCE migrated vertically through soil in the vicinity of the former PCE holding tank, and along the sanitary sewer lateral beneath the Site building causing soil, groundwater, and sub-slab vapor impacts that exceed WDNR health-based standards and screening levels.

2.0 CONTACTS

Property Owner: Tom Anderson
Address: 4837 North Teutonia Avenue, Milwaukee, Wisconsin 53209
Telephone #: 414-442-1010

System Design and Installation: EnviroForensics
Address: 825 N. Capital Ave., Indianapolis, IN 46204
Contact: Alex Watt, Mitigation and Remediation Technician
Contact/Telephone #: 262-290-4001

Consultant: EnviroForensics
Address: N16 W23390 Stone Ridge Dr., Suite G, Waukesha, WI 53188
Contacts: Brian Kappen, Project Manager; Wayne Fassbender, Senior Project Manager
Telephone #: 262-290-4001
Email: bkappen@enviroforensics.com or wfassbender@enviroforensics.com

WDNR Project Manager: John Hnat
Address: 2300 N. Dr. Martin Luther King, Jr. Dr. Milwaukee, Wisconsin
Telephone #: 414-263-8644
Email: John.Hnat@wisconsin.gov

3.0 SYSTEM DESIGN AND CONSTRUCTION

EnviroForensics designed and installed the SSD system in the basement of the Site building. The system was installed during April 6-7 and April 13-14, 2017. The SSD system utilizes the two (2) horizontal vent pipes installed within the backfill of the basement excavation, one (1) vertical extraction point along the north wall of the mechanical room, and the sealed sump crock for the purpose of venting the drainage tile and block wall along the west side of the building (see **Figure 2**). (In addition to venting, the west block wall was sealed with a vapor protection coating. Prior to applying the coating, holes and cracks in the block wall were repaired). Each of the piping connections is equipped with a u-tube manometer and an individual ball valve for system balancing. An audible low-pressure alarm was also installed.

The pipes are manifolded, and a single 4-inch diameter PVC pipe is routed to the roof through an unused pipe chase in the mechanical room. The pipe is connected to a Radon-Away model GP-501 fan mounted on the roof. The fan is hardwired to a dedicated circuit breaker in an existing electrical panel with a dedicated on/off switch located next to the fan. The layout of the SSD system is depicted on **Figure 2**.

4.0 SYSTEM OPERATION, MAINTENANCE, AND MONITORING

Lloyd's Cleaners will be responsible for operation, maintenance, and monitoring (OM&M) of the SSD system installed in the building until the WDNR grants case closure for the Site. After closure, any current or future owner of the Site will be responsible for OM&M of the SSD system if there is a continued vapor intrusion risk that must be mitigated. Future sub-slab vapor sampling may be performed to confirm that the vapor intrusion risk is no longer present (see Section 5.0 below).

4.1 System Operation

A Radon-Away model GP-501 fan is hardwired to a dedicated circuit breaker in the electrical panel in the southeast room of the Site building. Operation of the SSD system can be confirmed by inspecting the fan or checking the u-tube manometers. The system is designed and intended to operate continuously.

4.2 System Monitoring

The Wisconsin Department of Natural Resources (WDNR) has issued recommendations for SSD system commissioning and long-term monitoring programs (see October 7, 2015 Issues and Trends webinar at http://dnr.wi.gov/topic/Brownfields/TrainingLibrary.html). The recommendations have been adopted and incorporated into this OM&M Plan.

4.2.1 System Commissioning

Commissioning is intended to demonstrate that the SSD system is effectively mitigating vapor intrusion in all conditions. Therefore, a minimum of three (3) commissioning events shall be performed seasonally during the first year of operation, including at least one (1) event during the winter months. System commissioning events will include the following activities:

1. Measure sub-slab pressure field extension (PFE). The PFE will be measured by connecting a hand-held digital manometer to sub-slab test ports installed in the basement floor. Two (2) permanent test ports designated TP-1 and TP-2 are installed at the locations shown on **Figure 2**. Initial post-installation PFE readings are presented on **Figure 2** for reference.

2. Measure flow rate in the piping leading to each fan using a thermo-anemometer inserted into ports in the piping.

3. Check u-tube manometer readings at each extraction point for confirmation of induced vacuum.

4. Visually inspect the concrete floor penetration seals, integrity of the vapor barrier covering the dirt floor, and all system components including fans, manometers, pressure switches, and piping connections.

System commissioning requirements are summarized in the table below:

Parameter	Location	Equipment
Pressure Field Extension (PFE)	Sub-slab test ports	Digital manometer
Flow Rate	Extraction piping	Thermo-Anemometer
Vacuum	Extraction piping	U-tube manometer
System condition	Multiple	Visual inspection

4.2.2 Long-Term Monitoring

Long-term monitoring of the SSD system begins after commissioning data and observations confirm system effectiveness. Indoor air sampling is not required during long-term monitoring. The remaining monitoring and inspection procedures described under Section 4.2.1 are required to be conducted annually during the winter months.

4.3 System Maintenance and Repairs

The mitigation fans are factory sealed and require no maintenance. In the event that a fan stops operating due to mechanical failure, the fan shall be replaced with an identical model or a fan with the same performance specifications. Replacement of fans should be handled by a mitigation contractor and/or an electrician. Maintenance and repair activities on other components, including piping and floor seals, can be performed by the environmental consultant or building maintenance personnel.

4.4 Inspection and Repair Logs

Inspection and repair logs shall be completed by the person or group responsible for OM&M of the SSD system. The completed inspection log shall include the findings of the visual inspection, the flow rate measurement, and verification of complete PFE. The logs shall be kept on file by the environmental consultant and/or the property owner and made available to WDNR upon request. Blank logs are provided in **Appendix A**.

4.5 Notifications

The WDNR shall be notified at least 30 days before any actions are taken which would terminate or interrupt operation of the SSD system for more than one week.

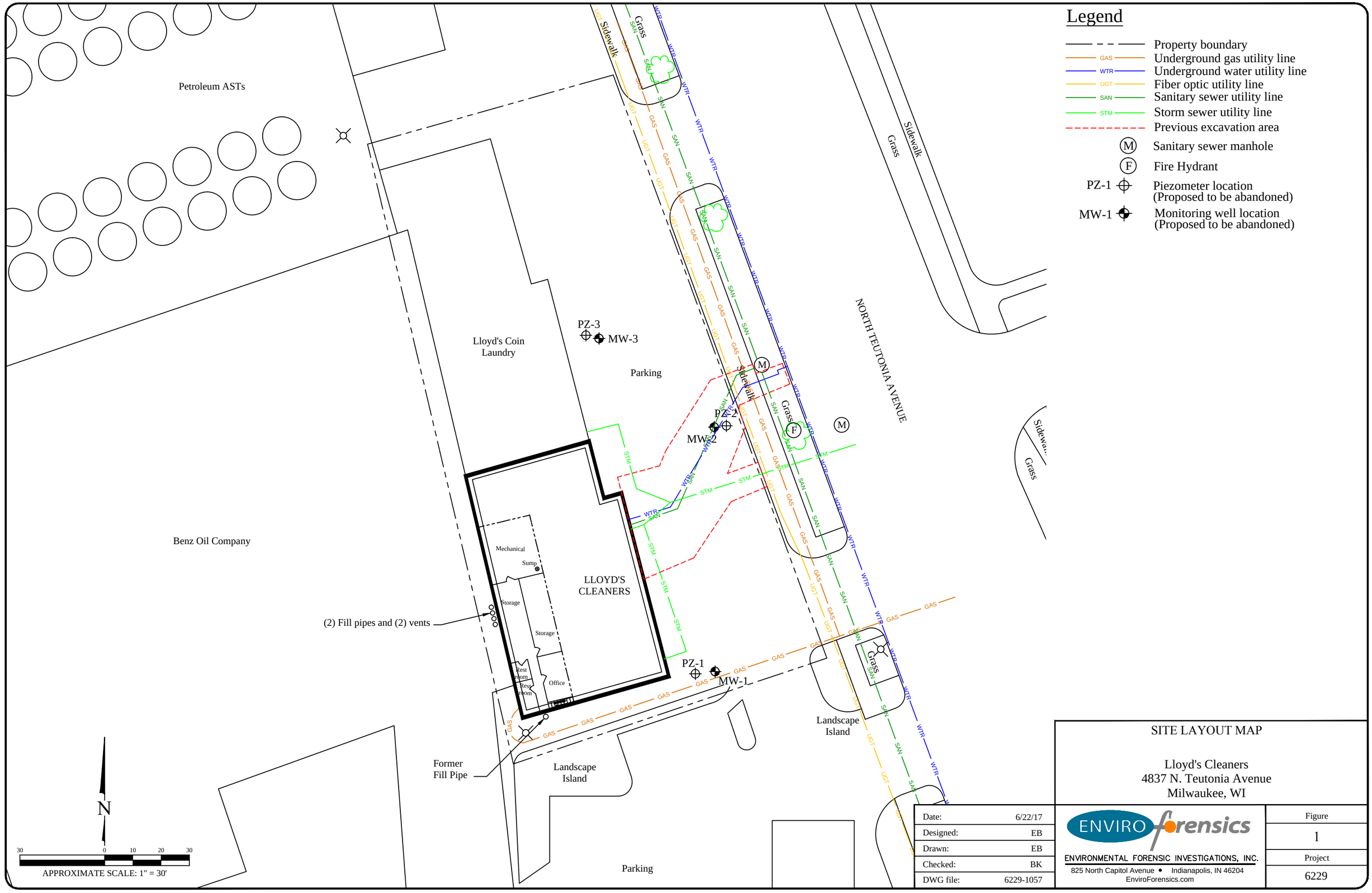
5.0 DECOMMISSIONING AND CONTINUING OBLIGATIONS

The SSD system will be operated until it is no longer needed to prevent vapor intrusion. A Decommissioning Plan will be prepared, if appropriate. In general, decommissioning will be performed according to the following procedure:

- Re-assess the vapor intrusion pathway in the building.
  - Turn the system off for 30 days;
  - Collect sub-slab vapor samples;
  - Re-start system after sampling; and
  - Repeat system shut-down sampling during winter months.
- Submit Post-Closure Modification to WDNR with fees.
- Turn the SSD system off following WDNR approval.

If the SSD system is necessary to mitigate vapor movement into the Site building at the time of case closure, there will be a continuing obligation for any owner of 4837 N. Teutonia Ave to operate and maintain the SSD system post-closure until such time when the SSD system is no longer necessary. Post-closure OM&M reporting shall be done using the Continuing Obligations Inspection and Maintenance Log (WDNR Form 4400-305).

FIGURES



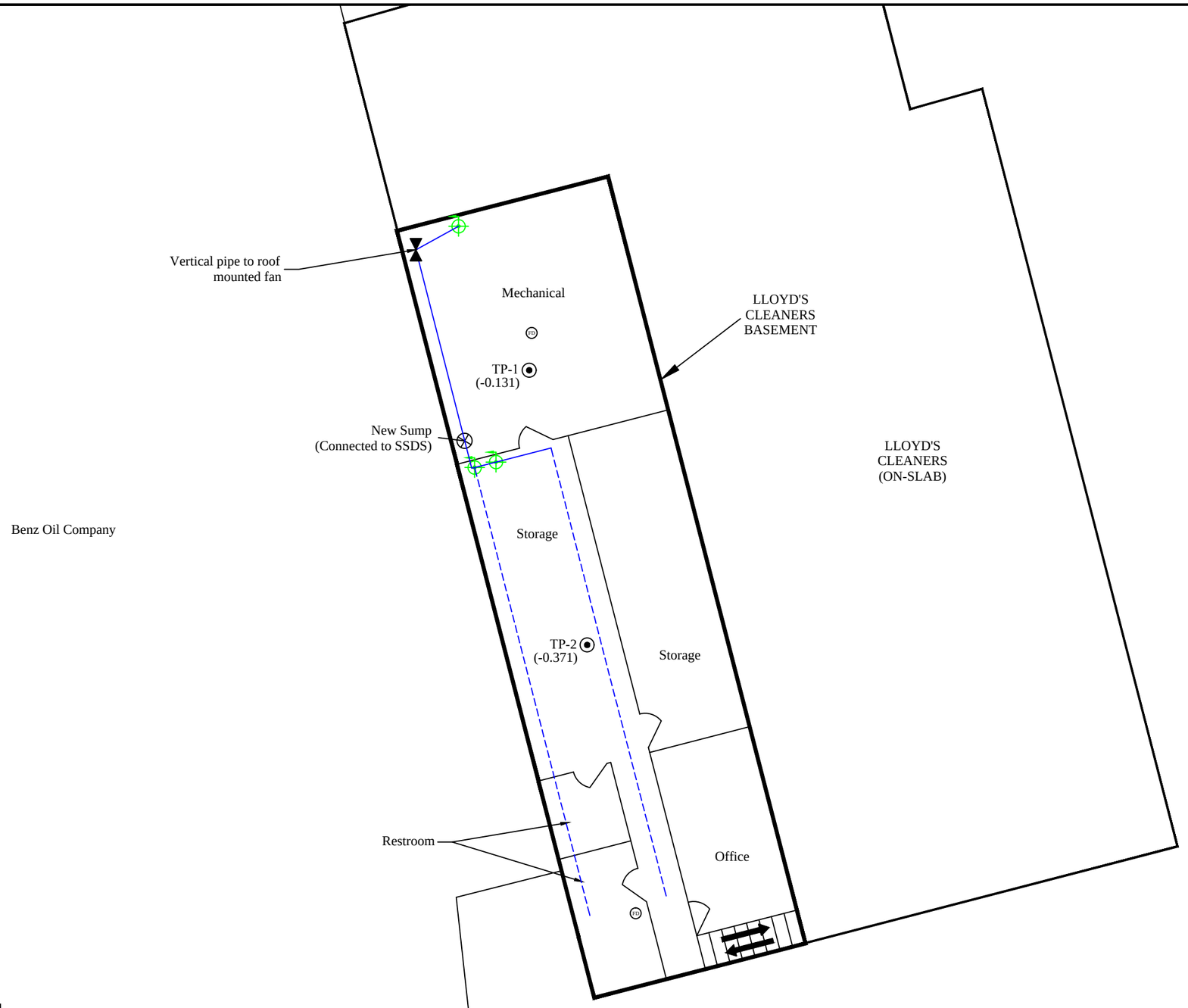
SITE LAYOUT MAP

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	6/22/17
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-1057

ENVIROforensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure	1
Project	6229



Legend

- Floor drain
- EP — Extraction point
- Conveyance piping
- Horizontal extraction pipe
- SSV-11 — Sub-Slab Vapor Sample and Vacuum Test Point
- (-0.131) — Vacuum in inches of water

N

10 0 5 10

APPROXIMATE SCALE: 1" = 10'

SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	5/1/17
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6229-1019

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure	2
Project	6229

APPENDIX A

Inspection and Repair Logs

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Continuing Obligations Inspection and Maintenance Log

Form 4400-305 (2/14)

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at http://dnr.wi.gov/botw/SetUpBasicSearchForm.do, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name	BRRTS No.

Inspections are required to be conducted (see closure approval letter):	When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter):
◯ annually ◯ semi-annually ◯ other – specify ______	

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N
		☐ monitoring well ☐ cover/barrier ☐ vapor mitigation system ☐ other:			◯ Y ◯ N	◯ Y ◯ N

{Click to Add/Edit Image} Date added:

Title:

{Click to Add/Edit Image} Date added:

Title:

ATTACHMENT F – SOURCE LEGAL DOCUMENTS

F.1. Deed.

F.2. Certified Survey Map

F.3. Verification of Zoning

F.4. Signed Statement

Responsible Party Statement

Parcel Identification No. 2070833000

4837-4847 N. Teutonia Avenue

Milwaukee, WI 53209

Legal Description:

CERTIFIED SURVEY MAP NO 2994 IN SE 1/4 SEC 36, TOWNSHIP 8 NORTH, RANGE 21 EAST, IN PARCEL 3

I, Thomas Anderson, believe that the legal description provided above and on Milwaukee County Register of Deeds Doc No. 6676290 accurately describes the contaminated property.

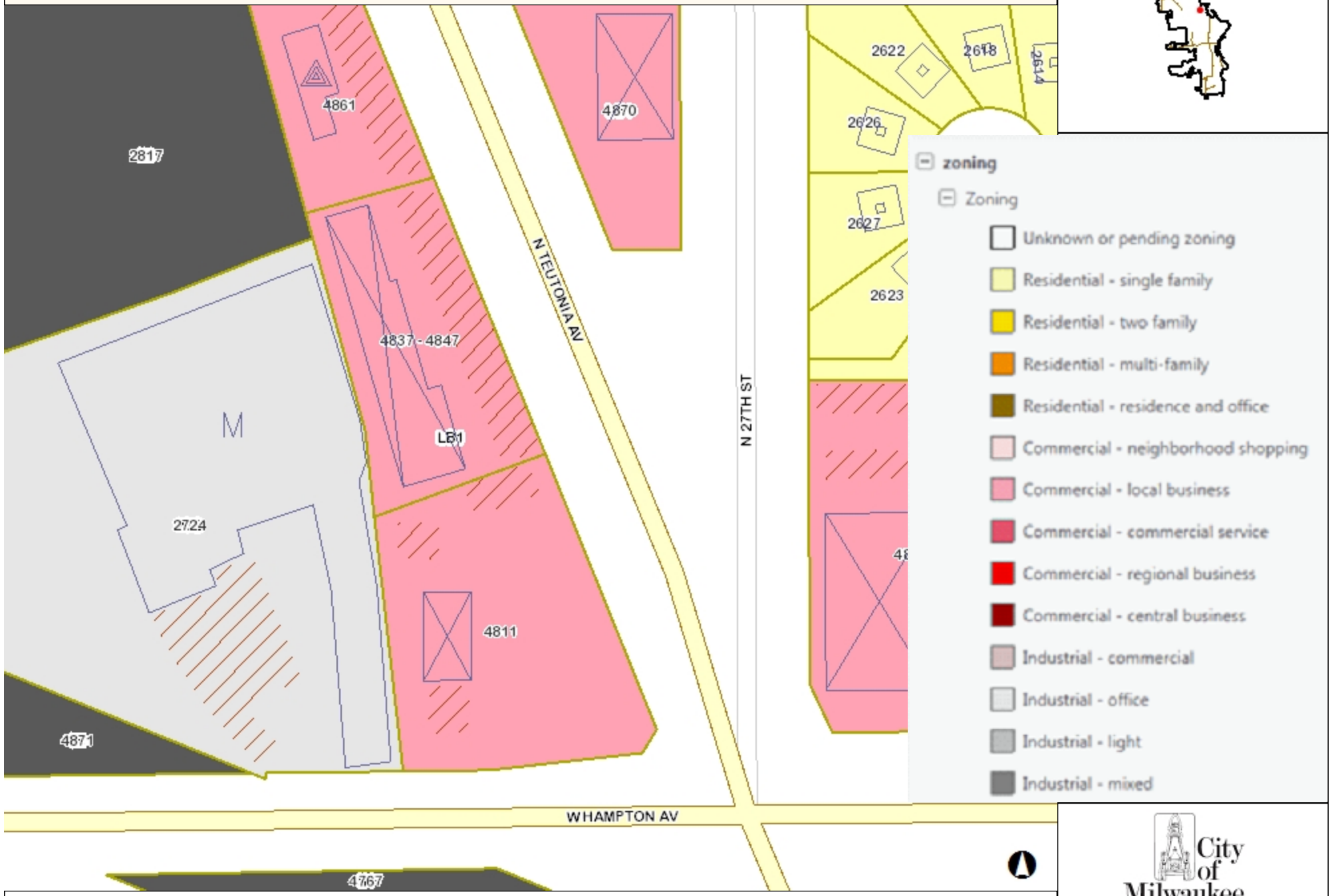
Signature: Thomas Anderson

Title: Owner

Date: 7/11/17

Map Milwaukee: Zoning

City of Milwaukee, Wisconsin



Map Milwaukee: Zoning
Disclaimer
6/23/2017

Map Scale: 1: 995

82.9 0 41.44 82.9 Feet

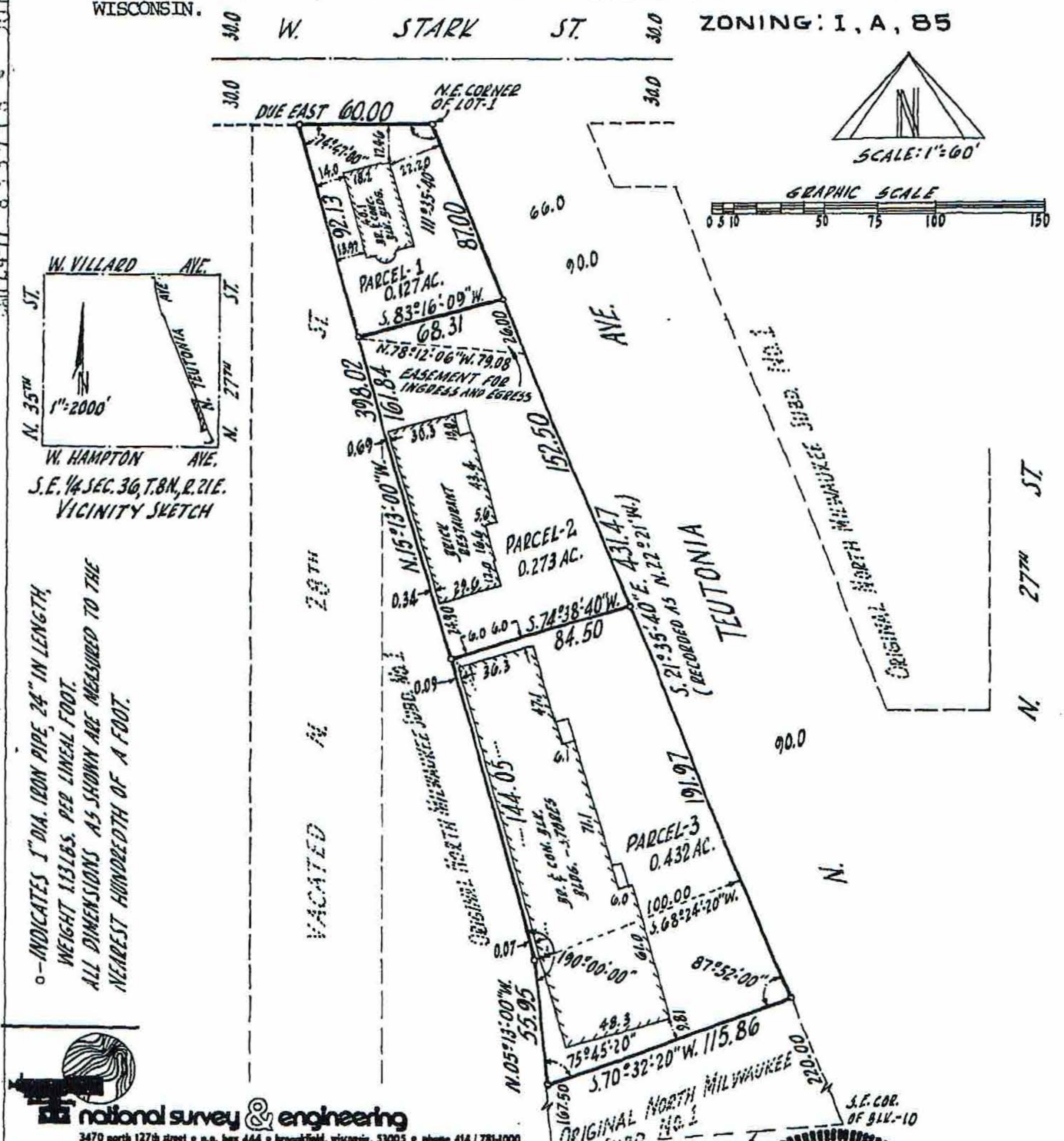
City of Milwaukee
Department of Administration - ITMD

CERTIFIED SURVEY MAP NO. 2994

TAX KEY NO. 207-0743-100

BEING LOTS 1 AND 2 AND PART OF LOTS 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24 25 and 26 IN BLOCK 10 IN ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1 AND A PART OF VACATED NORTH 28TH STREET ADJOINING SAID LOTS 1, 2 AND 3 IN THE SE 1/4 OF SECTION 36, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

ZONING: I, A, 85



RECEIVED
NOV 22 1976
DEPT. OF CITY DEVELOPMENT
CITY FEE DEPOSITED
#30 - 11-23-76 JH

DEPT. OF CITY DEVELOPMENT OF MILWAUKEE
NOV 22 1976
STAFF APPROVED
Carl H. Zuast

WISCONSIN KENNETH E. BERKE S-107 MILWAUKEE, WIS. LAND SURVEYOR

10/29/76

CERTIFIED SURVEY MAP NO. _____

TAX KEY NO. _____

BEING LOTS 1 AND 2 AND PART OF LOTS 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24 25 and 26 IN BLOCK 10 IN ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1 AND A PART OF VACATED NORTH 28TH STREET ADJOINING SAID LOTS 1, 2 AND 3 IN THE SE 1/4 OF SECTION 36, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

SURVEYOR'S AFFIDAVIT
STATE OF WISCONSIN)
:SS
MILWAUKEE COUNTY (

I, KENNETH E BERKE, a registered surveyor, being first duly sworn on oath do hereby depose and say:

THAT I have surveyed, divided and mapped Lots 1 and 2 and part of Lots 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25 and 26 in Block 10 in Original North Milwaukee Subdivision No. 1 and a part of vacated North 28th Street adjoining said Lots 1, 2 and 3 in the SE 1/4 of Section 36, T 8 N, R 21 E, in the City of Milwaukee, Milwaukee County, Wisconsin, which is bounded and described as follows:

Beginning at the Northeast corner of said Lot 1; thence South 21° 35' 40" East along the Southwesterly line of North Teutonia Avenue 431.47 ft. to a point, said point being 220.00 ft. North 21° 35' 40" West of the Southeast corner of said Block 10; thence South 70° 32' 20" West 115.86 ft. to a point, said point being 167.50 ft. North 05° 13' 00" West of the South line of said Block 10; thence North 05° 13' 00" West 55.95 ft. to a point, said point being 100.00 ft. South 68° 24' 20" West of the Southwesterly line of North Teutonia Avenue; thence North 15° 13' 00" West 398.02 ft. to a point in the South line of West Stark Street; thence due East along the South line of West Stark Street 60.00 ft. to the point of beginning.

THAT I have made such survey, land division and map by the direction of SOPHIA WEISFEIDT, individually and SOPHIA WEISFEIDT and HARRY J WEISFEIDT, TRUSTEES FOR THE ESTATE OF SIMON C WEISFEIDT, land contract vendors, and LEON LEOPOLD and HUGO BAUTZ, land contract vendees of said land.

THAT such map is a correct representation of all the exterior boundaries of the land surveyed and the land division thereof made.

THAT I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and Chapter 9 of the Milwaukee Code of Ordinances in surveying, dividing and mapping the same.

Kenneth E Berke
Kenneth E Berke, Registered Wisconsin
Land Surveyor S 107

OCT 29 1976
Date

LAND CONTRACT VENDOR'S CERTIFICATE

AS LAND CONTRACT VENDOR'S we hereby certify that we caused the land described on this map to be surveyed, divided, mapped and dedicated as represented on this map in accordance with the requirements of Section 9-5.5 of the City of Milwaukee Code of Ordinances.

WISCONSIN
KENNETH E. BERKE
S-107
MILWAUKEE, WIS.
LAND SURVEYOR

BUREAU OF ENGINEERS
CHIEF DRAFTSMAN 12/6/76
ENGR. IN CHARGE SEWER ENGR. DIV.
CORRECT
CITY ENGINEER 12/13/76
APPROVED

CERTIFIED SURVEY MAP NO. _____

TAX KEY NO. _____

BEING LOTS 1 AND 2 AND PART OF LOTS 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24 25 and 26 IN BLOCK 10 IN ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1 AND A PART OF VACATED NORTH 28TH STREET ADJOINING SAID LOTS 1, 2 AND 3 IN THE SE 1/4 OF SECTION 36, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

In consideration of the approval of the map by the Common Council, the undersigned covenants and agrees to and with the City of Milwaukee that no lot or parcel as hereon set forth shall at any time subsequent to the recording of this map be in any manner divided, described or conveyed so as to result in lots parcels or building sites having dimensions, areas, or courses other than as herein set forth, unless said divisions, descriptions or conveyances are first approved by the Common Council of the City of Milwaukee, and that such restrictions are binding on the undersigned, his, her, or their heirs and assigns. Such approval, however, shall not be required for the taking of land for public purposes.

THAT all utility lines to provide electric power and telephone service to all lots in the Certified Survey Map shall be installed underground in easements provided therefore.

WITNESS the hand and seal of said land contract vendors this 18th day of November, 1976.

In The Presence of:

Winona A. Thompson
Winona A. Thompson

Maurice B. Weisfeldt
Maurice B. Weisfeldt

Phillip Green
Phillip Green

Sophia Weisfeldt
Sophia Weisfeldt, Individually

Sophia Weisfeldt
Sophia Weisfeldt

Harry J. Weisfeldt
Harry J. Weisfeldt, Trustees for
Estate of Simon C Weisfeldt

STATE OF WISCONSIN)
:SS
MILWAUKEE COUNTY (

PERSONALLY came before me this 18th day of November, 1976, the above named SOPHIA WEISFELDT, INDIVIDUALLY and SOPHIA WEISFEIDT, and HARRY J. WEISFEIDT, Trustees for the Estate of Simon C Weisfeldt, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Maurice B. Weisfeldt
Notary Public, State of Wisconsin
My Commission Expires (is Permanent)

LAND CONTRACT VENDEE'S CERTIFICATE

AS LAND CONTRACT VENDEE'S, we hereby certify that we caused the land described on this map to be surveyed, divided, mapped and dedicated as represented on this map in accordance with the requirements of Section 9-5.5 of the City of Milaukee Code of Ordinances.

WISCONSIN
KENNETH E. BERKE
S-107
MILWAUKEE, WIS.
LAND SURVEYOR
10/29/76

5071186

REGISTER'S OFFICE } SS
Milwaukee County, Wis.
RECORDED AT 11 10 AM M
on JAN 24 1977 in
Reel 989 Image 630 to 634 incl.

Walter Bargh
REGISTER OF DEEDS

CERTIFIED SURVEY MAP NO. _____

TAX KEY NO. _____

BEING LOTS 1 AND 2 AND PART OF LOTS 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24 25 and 26 IN BLOCK 10 IN ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1 AND A PART OF VACATED NORTH 28TH STREET ADJOINING SAID LOTS 1, 2 AND 3 IN THE SE 1/4 OF SECTION 36, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

In consideration of the approval of the map by the Common Council, the undersigned covenants and agrees to and with the City of Milwaukee that no lot or parcel as hereon set forth shall at any time subsequent to the recording of this map be in any manner divided, described or conveyed so as to result in lots, parcels or building sites having dimensions, areas, or courses other than as herein set forth, unless said divisions, descriptions or conveyances are first approved by the Common Council of the City of Milaukee, and that such restrictions are binding on the undersigned, his, her, or their heirs and assigns. Such approval,h however shall not be required for the taking of land for public purposes.

THAT all utility lines to provide electric power and telephone service to all lots in the Certified Survey Map shall be installed underground in easements provided therefore.

WITNESS the hands and seals of said land contract vendee's this 18th day of November, 1976.

In The Presence of:

Winona A. Thompson
Winona A. Thompson

Leon Lepold
Leon Lepold

Maurice B. Weisfeldt
Maurice B. Weisfeldt

Hugo Bautz
Hugo Bautz

STATE OF WISCONSIN)
:SS
MILWAUKEE COUNTY (

PERSONALLY came before me this 18th day of November, 1976 the above named LEON LEOPOLD and HUGO BAUTZ, to me known to be the land contract vendee's and the persons who executed the foregoing instrument and acknowledged the same.

Maurice B. Weisfeldt
Maurice B. Weisfeldt
Notary Public, State of Wisconsin
My Commission (expires) is permanent

WISCONSIN
KENNETH E. BERKE
S-107
MILWAUKEE, WIS.
LAND SURVEYOR

10/29/76

CERTIFIED SURVEY MAP NO. _____

TAX KEY NO. _____

BEING LOTS 1 AND 2 AND PART OF LOTS 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25 AND 26 IN BLOCK 10 IN ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1 AND A PART OF VACATED NORTH 28TH STREET ADJOINING SAID LOTS 1, 2 AND 3 IN THE SE 1/4 OF SECTION 36, T 8 N, R 21 E, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

CERTIFICATE OF CITY TREASURER
STATE OF WISCONSIN)
:SS
MILWAUKEE COUNTY (

I, WAYNE WHITTOW, being the duly elected, qualified and acting City Treasurer of the City of Milwaukee, do hereby certify that in accordance with the records in the office of the Ciy Treasurer of the City of Milwaukee there are no unpaid taxes or unpaid special assessments on any of the lands included in the above description of this certified survey map.

January 4, 1977
Date

Wayne Whittow
Wayne Whittow, City Treasurer

COMMON COUNCIL RESOLUTION

Be it noted that this Certified Survey Map, submitted under File No 76-1552 being Lots 1 and 2 and part of Lots 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 24, 25 and 26 in Block 10 in Original North Milwaukee Subdivision No. 1 and a part of vacated North 28th Street adjoining said Lots 1, 2 and 3 in the SE 1/4 of Section 36, T 8 N R 21 E, in the City of Milwaukee, Milwaukee County, Wisconsin, having been approved by the Department of City Development, has been approved by the Milwaukee Common Council.

I hereby certify that the foregoing Certified Survey Map was approved by Common Council Resolution on JAN 18 1977

Allen R. Callaway Jr.
City Clerk, City of Milwaukee

Henry W Maier
Henry W Maier, Mayor

WISCONSIN
KENNETH E. BERKE
S-107
MILWAUKEE, WIS.
LAND SURVEYOR

10/29/76

THIS INSTRUMENT WAS DRAFTED BY
KENNETH E BERKE
SURVEYOR

DOCUMENT NO.

REEL 2887 IMAGE 756

STATE BAR OF WISCONSIN FORM 3 — 1982
QUIT CLAIM DEED

THIS SPACE RESERVED FOR RECORDING DATA

6676290

REGISTER'S OFFICE
Milwaukee County, WI } ss
RECORDED AT 11 15AM
OCT 16 1992
REEL 2887 IMAGE 756
REGISTER OF DEEDS

ROBERTA F. ANDERSON,

quit-claims to THOMAS M. ANDERSON

the following described real estate in Milwaukee County, State of Wisconsin:

RETURN TO
John J. Germanotta
1706 N. Farwell
Mlkw, WI 53202

Tax Parcel No: 207-0833

CSM2994 in Southeast 1/4, Section 36, Township 8 North, Range 21 East, in Parcel 3.

FEE
77.25 (8)
EXEMPT

6676290 #
RECORD 10.00

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

Dated this 13th day of October, 19 92

Roberta F. Anderson (SEAL)

Roberta F. Anderson

(SEAL)

(SEAL)

(SEAL)

AUTHENTICATION

Signature(s) Roberta F. Anderson

authenticated this 13th day of October, 19 92

John J. Germanotta

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Attorney John J. Germanotta

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

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
County.

Personally came before me this day of , 19 the above named

to me known to be the person who executed the foregoing instrument and acknowledge the same.

Notary Public County, Wis.
My Commission is permanent. (If not, state expiration date: , 19)

10 0

QUIT CLAIM DEED — STATE BAR OF WISCONSIN FORM No. 3 — 1982 — Wisconsin Legal Blank Co. Inc. Milwaukee, Wis.

ATTACHMENT G – SOURCE LEGAL DOCUMENTS

G.A. City of Milwaukee Right-of-Way

Notification Letter
Proof of Delivery

G.B. 4811 N. Teutonia Avenue

Notification Letter
Proof of Delivery
Deed
Certified Survey Map
Verification of Zoning
Signed Statement

G.A. City of Milwaukee Right-of-Way Documents

Notification of Continuing Obligations and Residual Contamination
Form 4400-286 (9/15)

Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

841 N. Broadway, Room 701
Milwaukee, WI, 53202

Dear Mr. Polenske:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which city of Milwaukee may become responsible. I investigated a release of:
Tetrachloroethene (PCE) dry cleaning solvent
on 4837 N. Teutonia Avenue, Milwaukee , WI, 53209 that has shown that contamination remains in the right-of-way for which city of Milwaukee is responsible.
I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

You have 30 days to comment on the proposed closure request:

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNRcontact: 2300 North Martin Luther King Drive, Milwaukee, WI, 53212, or at john.hnat@wisconsin.gov.

Residual Contamination:

Soil Contamination:

Soil contamination remains at:
Under the sidewalk and terrace along and adjacent to the sanitary and storm sewer laterals. Residual contaminant concentrations and depths are shown on the attached Figures 1 and 2.
The remaining contaminants include :
Tetrachloroethene (PCE), trichloroethene (TCE) and cis-1,2-dichloroethene
at levels which exceed the soil standards found in ch. NR 720, Wis. Adm. Code. The following steps have been taken to address any exposure to the remaining soil contamination.
The most heavily impacted soil around the sewer lines was excavated and replaced with clean fill. The sewer lines were also replaced with modern pipe. Impermeable rubber membranes were placed on the east walls of the excavation areas to prevent further migration of residual contamination into the right-of-way.

If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If you or any other person plan to conduct utility or building construction for which dewatering will be necessary, you or that person must contact the DNR's Water Quality Program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at http://dnr.wi.gov/topic/wastewater/GeneralPermits.html.

Continuing Obligations on the Right-of-Way (ROW) : As part of the response actions, I am proposing that the following continuing obligations be used at the affected ROW. If my closure request is approved, you will be responsible for the following continuing obligations:

Residual Soil Contamination:
If soil is excavated from the areas with residual contamination, the right-of-way holder at the time of excavation will be responsible for the following:

- determine if contamination is present,
- determine whether the material would be considered solid or hazardous waste,
- ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. Contaminated soil may be managed in-place, in accordance with s. NR 718, Wis. Adm. Code, with prior Department approval.

The right-of-way holder needs to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans from ingestion, inhalation or dermal contact.

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

GIS Registry and Well Construction Requirements:

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at http://dnr.wi.gov/topic/Brownfields/clean.html. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300–254, is on the internet at http://dnr.wi.gov/topic/wells/documents/3300254.pdf.

If you have any questions regarding this notification, I can be reached at: (262) 290-4001
wfassbender@enviroforensics.com

Wayne D. Fassbender - Agent for owner

Signature of responsible party/environmental consultant for the responsible party	Date Signed
	6/21/17

Attachments
Contact Information

Figures 1 and 2 - Residual Soil Contamination

The affected property is:

- ○ the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- ○ a deeded property affected by contamination from the source property
- ◉ a right-of-way (ROW)
- ○ a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name Lloyd's Dry Cleaners

Contact Person Last Name	First	MI	Phone Number (include area code)
Anderson	Tom		(414) 422-1010

Address	City	State	ZIP Code
4837 N. Teutonia Avenue	Milwaukee	WI	53209

E-mail

Name of Party Receiving Notification:

Business Name, if applicable: City of Milwaukee

Title	Last Name	First	MI	Phone Number (include area code)
Mr.	Polenske	Jeff		(414) 286-2489

Address	City	State	ZIP Code
841 N. Broadway, Room 701	Milwaukee	WI	53202

Site Name and Source Property Information:

Site (Activity) Name Lloyd's Dry Cleaners

Address	City	State	ZIP Code
4837 N. Teutonia Avenue	Milwaukee	WI	53209

DNR ID # (BRRTS#)	(DATCP) ID #
02-41-556811	

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: EnviroForensics

Contact Person Last Name	First	MI	Phone Number (include area code)
Fassbender	Wayne	P	(262) 290-4001

Address	City	State	ZIP Code
N16W23390 Stone Ridge Drive, Suite G	Waukesha	WI	53188

E-mail wfassbender@enviroforensics.com

Department Contact:

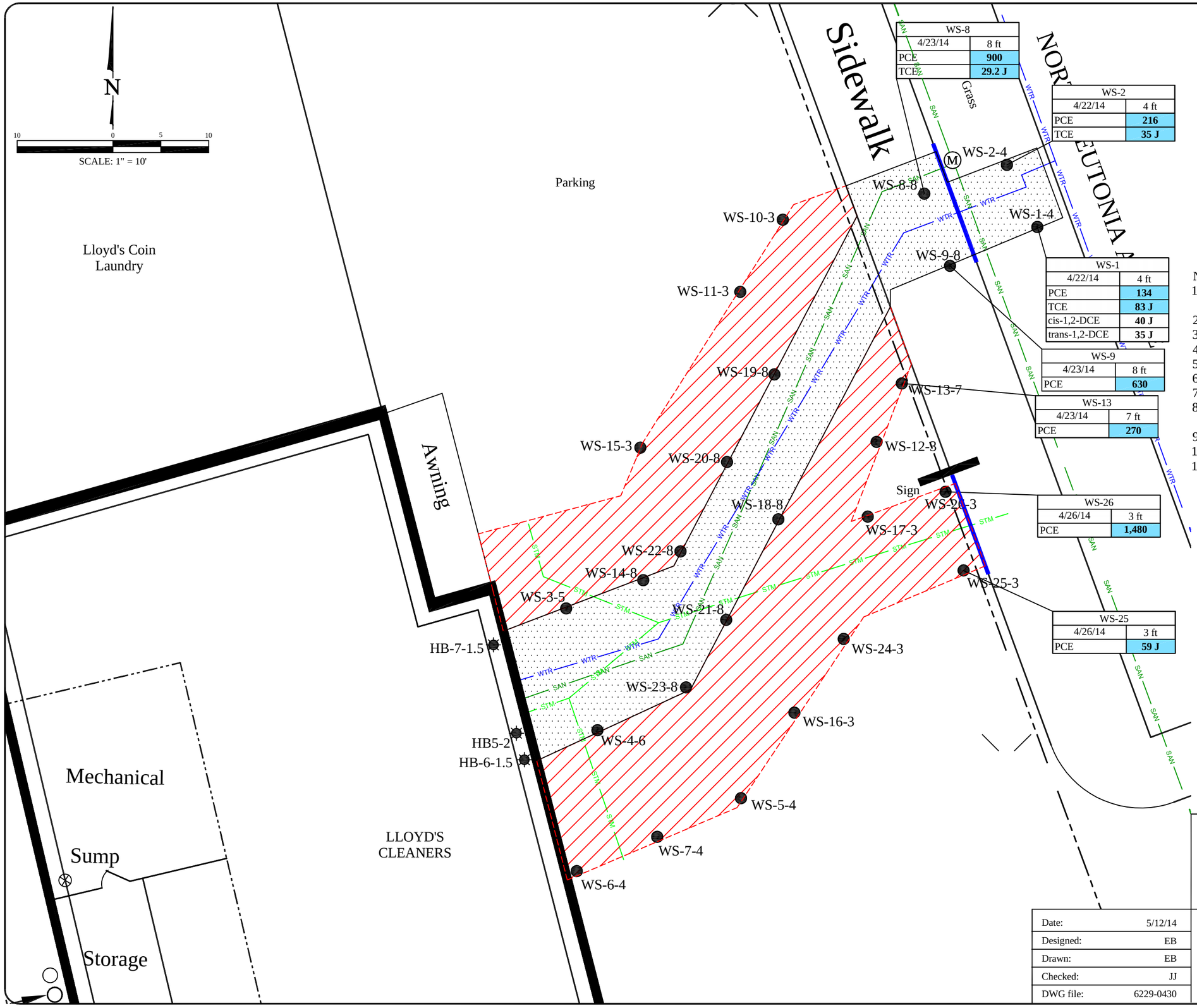
To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR)

Address	City	State	ZIP Code
2300 North Martin Luther King Drive	Milwaukee	WI	53212

Contact Person Last Name	First	MI	Phone Number (include area code)
Hnat	John	J	(414) 263-8644

E-mail (Firstname.Lastname@wisconsin.gov) john.hnat@wisconsin.gov



Legend

- Property boundary
- WS-1-1 — Side wall excavation soil sample location
- HB-1 — Hand Boring
- Excavation Limits (5 ft)
- Excavation Limits (13 ft)

Analytes	RCL Soil to Groundwater	RCL Industrial
PCE	**4.5**	**145,000**
TCE	**3.6**	**8,410**
cis-1,2-DCE	**41.2**	**2,340,000**
trans-1,2-DCE	**62.6**	**1,850,000**

Note:

1. Shaded blue values exceed the Residual Contaminant Level Soil to Groundwater
2. Bolded values exceed laboratory detection levels
3. ug/kg = micrograms per kilogram
4. PCE = Tetrachloroethene
5. TCE = Trichloroethene
6. cis-1,2-DCE = cis-1,2-Dichloroethene
7. trans-1,2-DCE = trans-1,2-Dichloroethene
8. Samples analyzed using for VOCs using US EPA SW-846 Method 8260
9. CVOCs = Chlorinated Volatile Organic Compounds
10. ND = Not detected
11. J = Analyte concentration is above the method detection limit and below the reporting limit

- (M) Sanitary sewer manhole
- Impervious Barrier location
- WTR — Underground water utility line
- SAN — Underground sanitary sewer utility line
- STM — Underground storm sewer line

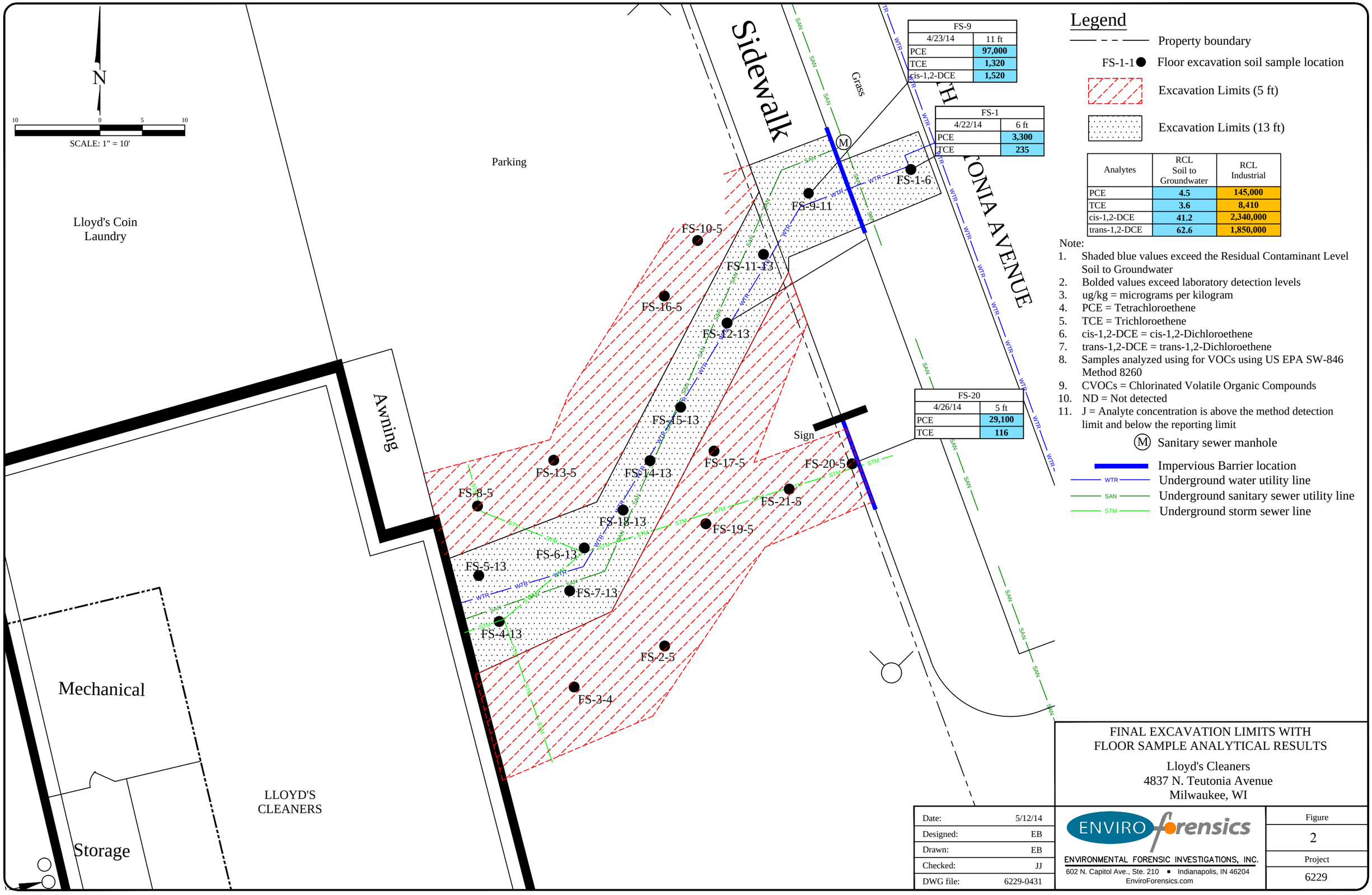
FINAL EXCAVATION LIMITS WITH WALL SAMPLE ANALYTICAL RESULTS

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	5/12/14
Designed:	EB
Drawn:	EB
Checked:	JJ
DWG file:	6229-0430

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure
1
Project
6229



Legend

- Property boundary
- FS-1-1 ● Floor excavation soil sample location
- Excavation Limits (5 ft)
- Excavation Limits (13 ft)

Analytes	RCL Soil to Groundwater	RCL Industrial
PCE	**4.5**	**145,000**
TCE	**3.6**	**8,410**
cis-1,2-DCE	**41.2**	**2,340,000**
trans-1,2-DCE	**62.6**	**1,850,000**

Note:

1. Shaded blue values exceed the Residual Contaminant Level Soil to Groundwater
2. Bolded values exceed laboratory detection levels
3. ug/kg = micrograms per kilogram
4. PCE = Tetrachloroethene
5. TCE = Trichloroethene
6. cis-1,2-DCE = cis-1,2-Dichloroethene
7. trans-1,2-DCE = trans-1,2-Dichloroethene
8. Samples analyzed using for VOCs using US EPA SW-846 Method 8260
9. CVOCs = Chlorinated Volatile Organic Compounds
10. ND = Not detected
11. J = Analyte concentration is above the method detection limit and below the reporting limit

- Ⓜ Sanitary sewer manhole
- Impervious Barrier location
- WTR Underground water utility line
- SAN Underground sanitary sewer utility line
- STM Underground storm sewer line

FINAL EXCAVATION LIMITS WITH FLOOR SAMPLE ANALYTICAL RESULTS

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	5/12/14
Designed:	EB
Drawn:	EB
Checked:	JJ
DWG file:	6229-0431

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure 2

Project 6229

7016 3560 0001 1207 5529

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.
MILWAUKEE, WI 53202

OFFICIAL USE

Certified Mail Fee	$3.35
$	$2.75
Extra Services & Fees (check box, add fee as appropriate)	
☒ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.19
$	
Total Postage and Fees	$7.29
$	

MILWAUKEE POST OFFICE 0072
Postmark Here
JUN 22 2017
06/22/2017 USPS

Sent To: Jeff Polenske - City of Milwaukee
Street and Apt. No., or PO Box No.: 841 N Broadway, Rm 701
City, State, ZIP+4®: Milwaukee, WI 53202

PS Form 3800, April 2015 PSN 7530-02-000-9047 — See Reverse for Instructions

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Jeff Polenske
City of Milwaukee - Infrastructure
841 N. Broadway, Rm 701
Milwaukee, WI 53202

9590 9402 2829 7069 3516 15

2. Article Number (Transfer from service label)
7016 3560 0001 1207 5529

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Adult Signature	☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery	☐ Registered Mail™
☒ Certified Mail®	☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery	☐ Return Receipt for Merchandise
☐ Collect on Delivery	☐ Signature Confirmation™
☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Insured Mail Restricted Delivery	

PS Form 3811, July 2015 PSN 7530-02-000-9053 — Domestic Return Receipt

G.B. 4811 N. Teutonia Avenue Documents

Section A: Deeded Property Notification: Residual Contamination and/or Continuing Obligations

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

10631 Turnberry Drive
Mequon, WI, 53092

Dear Khahra:

I am providing this letter to inform you of the location and extent of contamination remaining on your property, and of certain long-term responsibilities (continuing obligations) for which you may become responsible.
I have investigated a release of:
Tetrachloroethene (PCE) dry cleaning solvent
on 4837 N. Teutonia Avenue, Milwaukee , WI, 53209 that has shown that contamination has migrated onto your property.
I have responded to the release and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

You have 30 days to comment on the attached legal description of your property and on the proposed closure request:

Please review the enclosed legal description of your property, and notify Wayne Fassbender at N16W23390 Stone Ridge Drive, Suite G, Waukesha, WI, 53188 within the next 30 days if the legal description is incorrect.

The DNR will not review my closure request for at least 30 days after the date of receipt of this letter. As an affected property owner, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information that is relevant to this closure request, or if you want to waive the 30 day comment period, you should mail that information to the DNR contact: 2300 North Martin Luther King Drive, Milwaukee, WI, 53212, or at john.hnat@wisconsin.gov.

Your Long-Term Responsibilities as a Property Owner and Occupant:
The responses included
Soil excavation
The continuing obligations I am proposing that affect your property are listed below, under the heading **Continuing Obligations**. Under s. 292.12 (5), Wis. Stats., current and future owners and occupants of this property are responsible for complying with continuing obligations imposed as part of an approved closure.

The fact sheet "Continuing Obligations for Environmental Protection" (DNR publication RR 819) has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain continuing obligation, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain copies at http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf.

Contract for responsibility for continuing obligation:
Before I request closure, I will need to inform the DNR as to whom will be responsible for the continuing obligation/s on your property.
The current and any future owner of 4811 N. Teutonia Ave will be responsible for the continuing obligations.

Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the continuing obligations on your Property, you may request additional time from the DNR contact identified in **Contact Information.**

(Note: Future property owners would need to negotiate a new agreement.)

Remaining Contamination:

Soil Contamination:

Soil contamination remains at :
Northwest part of the property, in the vicinity of boring DP-17 (see attached map).
The remaining contaminants include:
Tetrachloroethene (PCE)

at levels which exceed the soil standards found in ch. NR 720, Wis. Adm. Code. The following steps have been taken to address any exposure to the remaining soil contamination.
Contaminated soil at Lloyd's Cleaners was excavated and removed from the site. The residual contamination in soil on your property is below direct-contact standards.

Continuing Obligations on Your Property: As part of the cleanup, I am proposing that the following continuing obligations be used at your property, to address future exposure to residual contamination. If my closure request is approved, you will be responsible for the following continuing obligations.

To construct a new well or to reconstruct an existing well, the property owner at the time of construction or reconstruction will need to obtain prior approval from the DNR. See the paragraph **GIS Registry and Well Construction Requirements**. Typically, this results in casing off a portion of the aquifer during drilling, when needed, to protect the water supply.

Residual Soil Contamination:

If soil is excavated from the areas with residual contamination, the property owner at the time of excavation will be responsible for the following:

- determine if contamination is present
- determine whether the material would be considered solid or hazardous waste
- ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Contaminated soil may be managed in-place, in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval. In addition, all current and future property owners and occupants of the property and right-of-way holders need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

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

Maintenance and Audits of Continuing Obligations:

If compliance with a maintenance plan is required as part of a continuing obligation, an inspection log will need to be filled out periodically, and kept available for inspection by the DNR. Submittal of the inspection log may also be required. You will also need to notify any future owners or occupants of this property of the need to maintain the continuing obligation and to document that maintenance in the inspection log. Periodic audits of these continuing obligations may be conducted by the DNR, to ensure that potential exposure to residual contamination is being addressed. The DNR provides notification before conducting site visits as part of the audit.

GIS Registry and Well Construction Requirements:

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at http://dnr.wi.gov/topic/Brownfields/clean.html. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at http://dnr.wi.gov/topic/wells/documents/3300254.pdf.

Site Closure:
If the DNR grants closure, you will receive a letter which defines the specific continuing obligations on your property. The status of the site (open or closed) may also be checked by searching BRRTS on the Web. You may view or download a copy of the closure letter (sent to the responsible party) from BRRTS on the Web. You may also request a copy of the closure letter from the **responsible party** or by writing to the DNR contact, at John Hnat, john.hnat@wisconsin.gov, (414) 263-8644 . The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan.

If you have any questions regarding this notification, I can be reached at: (262) 290-4001
wfassbender@enviroforensics.com

Wayne P. Fassbender - Agent for owner Date Signed 6/21/17
Signature of responsible party/environmental consultant for the responsible party

Attachments
Contact Information
Legal Description for each Parcel:

Factsheets:
RR 819, Continuing Obligations for Environmental Protection
Figure 1 Soil Analytical Results

The affected property is:

- ○ the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- ◉ a deeded property affected by contamination from the source property
- ○ a right-of-way (ROW)
- ○ a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name: Lloyd's Dry Cleaners

Contact Person Last Name	First	MI	Phone Number (include area code)
Anderson	Tom		(414) 422-1010

Address	City	State	ZIP Code
4837 N. Teutonia Avenue	Milwaukee	WI	53209

E-mail

Name of Party Receiving Notification:

Business Name, if applicable: AKAL Quik Mart Property LLC

Title	Last Name	First	MI	Phone Number (include area code)
	Khahra	Diljeet	S	

Address	City	State	ZIP Code
10631 Turnberry Drive	Mequon	WI	53092

Site Name and Source Property Information:

Site (Activity) Name: Lloyd's Dry Cleaners

Address	City	State	ZIP Code
4837 N. Teutonia Avenue	Milwaukee	WI	53209

DNR ID # (BRRTS#)	(DATCP) ID #
02-41-556811	

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: EnviroForensics

Contact Person Last Name	First	MI	Phone Number (include area code)
Fassbender	Wayne	P	(262) 290-4001

Address	City	State	ZIP Code
N16W23390 Stone Ridge Drive, Suite G	Waukesha	WI	53188

E-mail: wfassbender@enviroforensics.com

Department Contact:

To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR) Office: Milwaukee

Address	City	State	ZIP Code
2300 North Martin Luther King Drive	Milwaukee	WI	53212

Contact Person Last Name	First	MI	Phone Number (include area code)
Hnat	John	J	(414) 263-8644

E-mail (Firstname.Lastname@wisconsin.gov): john.hnat@wisconsin.gov

4811 N. Teutonia Ave Legal Description:

ORIGINAL NORTH MILWAUKEE SUBD NO 1 IN SE 1/4 SEC 36-8-21 BLOCK 10 COM SE COR LOT 15-TH W 119.26' TO BEG-TH W 55.74'- TH NWLY 167.50'-TH NE 115' M/L-TH SE 192.59'-TH SWLY 17.92'- TH SWLY 100.11' TO BEG

Remediation and Redevelopment Program June 2017

Continuing Obligations for Environmental Protection
Responsibilities of Wisconsin Property Owners
Wis. Stat. § 292.12

Purpose
This fact sheet is intended to help property owners understand their legal requirements under s. 292.12, Wis. Stats., regarding continuing obligations that arise due to the environmental condition of their property.

Introduction

The term "continuing obligations" refers to certain actions for which property owners are responsible following a completed environmental cleanup. They are sometimes called environmental land use controls or institutional controls. These legal obligations, such as a requirement to maintain pavement over contaminated soil, are most often found in a cleanup approval letter from the state.

Less commonly, a continuing obligation may apply where a cleanup is not yet completed but a cleanup plan has been approved, or at a property owned by a local government that is exempt from certain cleanup requirements.

What Are Continuing Obligations?

Continuing obligations are legal requirements designed to protect public health and the environment in regard to contamination that remains on a property.

Continuing obligations still apply after a property is sold. Each new owner is responsible for complying with the continuing obligations.

Background

Wisconsin, like most states, allows some contamination to remain after cleanup of soil or groundwater contamination (residual contamination). This minimizes the transportation of contamination and reduces cleanup costs while still ensuring that public health and the environment are protected.

The Department of Natural Resources (DNR), through its Remediation and Redevelopment (RR) Program, places sites or properties with residual contamination on a public database in order to provide notice to interested parties about the residual contamination and any associated continuing obligations. Please see the "Public Information" section on page 3 to learn more about the database. (Prior to June 3, 2006, the state used deed restrictions recorded at county courthouses to establish continuing obligations, and those deed restrictions have also been added into the database.)

Types of Continuing Obligations

1. **Manage Contaminated Soil that is Excavated**

   If the property owner intends to dig up an area with contaminated soil, the owner must ensure that proper soil sampling, followed by appropriate treatment or disposal, takes place. Managing contaminated soil must be done in compliance with state law and is usually done under the guidance of a private environmental professional.

2. Manage Construction of Water Supply Wells

If there is soil or groundwater contamination and the property owner plans to construct or reconstruct a water supply well, the owner must obtain prior DNR approval to ensure that well construction is designed to protect the water supply from contamination.

Other Types of Continuing Obligations

Some continuing obligations are designed specifically for conditions on individual properties. Examples include:

- keeping clean soil and vegetation over contaminated soil;
- keeping an asphalt "cover" over contaminated soil or groundwater;
- maintaining a vapor venting system; and
- notifying the state if a structural impediment (e.g. building) that restricted the cleanup is removed. The owner may then need to conduct additional state-approved environmental work.

It is common for properties with approved cleanups to have continuing obligations because the DNR generally does not require removal of all contamination.

Property owners with the types of continuing obligations described above will find these requirements described in the state's cleanup approval letter or cleanup plan approval, and *must*:

- comply with these property-specific requirements; and
- obtain the state's permission before changing portions of the property where these requirements apply.

The requirements apply whether or not the person owned the property at the time that the continuing obligations were placed on the property.

Changing a Continuing Obligation

A property owner has the option to modify a continuing obligation if environmental conditions change. For example, petroleum contamination can degrade over time and property owners may collect new samples showing that residual contamination is gone. They may then request that the DNR modify or remove a continuing obligation. Fees are required for the DNR's review of this request and for processing the change to the database ($1050 review fee, $300/$350 database fee). Fees are subject to change; current fees are found in Wis. Admin. § NR 749 online at http://docs.legis.wisconsin.gov/code/admin_code/nr/700/749.

Public Information

The DNR provides public information about continuing obligations on the Internet. This information helps property owners, purchasers, lessees and lenders understand legal requirements that apply to a property. The DNR has a comprehensive database of contaminated and cleaned up sites, *BRRTS on the Web*. This database shows all contamination activities known to the DNR. Site specific documents are found under the *Documents* section. The information includes maps, deeds, contaminant data and the state's closure letter. The closure letter states that no additional environmental cleanup is needed for past contamination and includes information on property-specific continuing obligations. If a cleanup has not been completed, the state's approval of the remedial action plan will contain the information about

continuing obligations.

Properties with continuing obligations can generally be located in the DNR's *RR Sites Map*. RR Sites Map provides a map view of contaminated and cleaned up sites, including sites with continuing obligations, and links to BRRTS on the Web. *BRRTS on the Web* and *RR Sites Map* are part of the Wisconsin Remediation and Redevelopment Database (WRRD) at http://dnr.wi.gov/topic/Brownfields/wrrd.html.

If a completed cleanup is shown in *BRRTS on the Web* but the site documents cannot be found in the documents section, the DNR's closure letter can still be obtained from a regional office. For assistance, please contact a DNR Environmental Program Associate (see the RR Program's Staff Contact web page at dnr.wi.gov/topic/Brownfields/Contact.html).

Off-Site Contamination: When Continuing Obligations Cross the Property Line

An off-site property owner is someone who owns property that has been affected by contamination that moved through soil, sediment or groundwater from another property. Wis. Stat. § 292.13 provides an exemption from environmental cleanup requirements for owners of "off-site" properties. The DNR will generally not ask off-site property owners to investigate or clean up contamination that came from a different property, as long as the property owner allows access to his or her property so that others who are responsible for the contamination may complete the cleanup.

However, off-site property owners are legally obligated to comply with continuing obligations on their property, even though they did not cause the contamination. For example, if the state approved a cleanup where the person responsible for the contamination placed clean soil over contamination on an off-site property, the owner of the off-site property must either keep that soil in place or obtain state approval before disturbing it.

Property owners and others should check the *Public Information* section above if they need to:

- determine whether and where continuing obligations exist on a property;
- review the inspection, maintenance and reporting requirements, and
- contact the DNR regarding changing that portion of the property. The person to contact is the person that approved the closure or remedial action plan.

Option for an Off-Site Liability Exemption Letter

In general, owners of off-site properties have a legal exemption from environmental cleanup requirements. This exemption does not require a state approval letter. Nonetheless, they may request a property-specific liability exemption letter from the DNR if they have enough information to show that the source of the contamination is not on their property. This letter may be helpful in real estate transactions. The fee for this letter is $700 under Chapter NR 749, Wis. Adm. Code. For more information about this option, please see the RR Program's Liability web page at dnr.wi.gov/topic/Brownfields/Liability.html.

Legal Obligations of Off-Site Property Owners

- Allow access so the person cleaning up the contamination may work on the off-site property (unless the off-site owner completes the cleanup independently).
- Comply with any required continuing obligations on the off-site property.

Required Notifications to Off-Site Property Owners

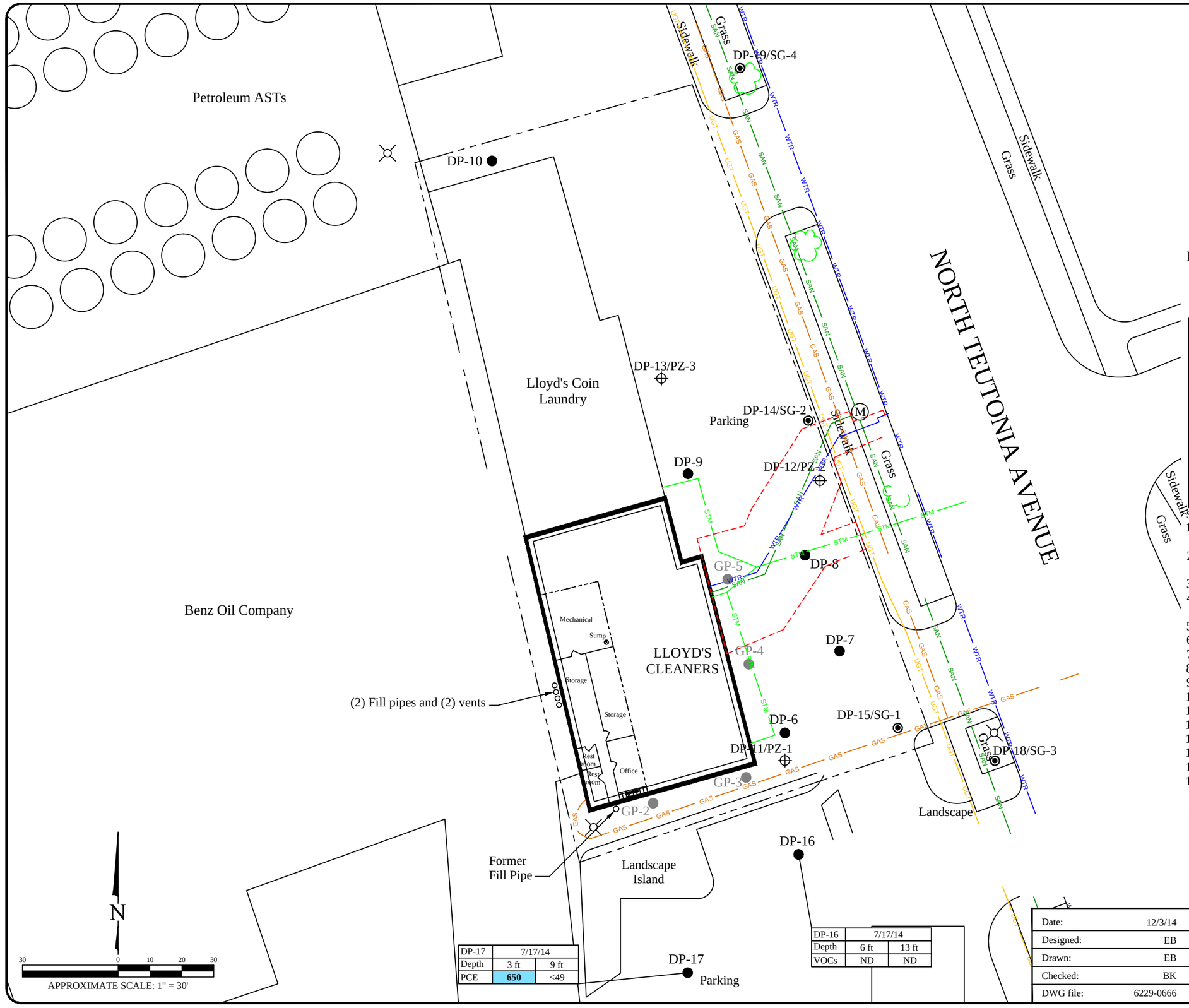
1. The person responsible for cleaning up contamination must notify affected property owners of any proposed continuing obligations on their off-site property **before** asking the DNR to approve the cleanup. This is required by law and allows the off-site owners to provide the DNR with any technical information that may be relevant to the cleanup approval.

   When circumstances are appropriate, an off-site neighbor and the person responsible for the cleanup may enter into a "legally enforceable agreement" (i.e. a contract). Under this type of private agreement, the person responsible for the contamination may also take responsibility for maintaining a continuing obligation on an off-site property. This agreement would not automatically transfer to future owners of the off-site property. The state is not a party to the agreement and cannot enforce it.

2. If a cleanup proposal that includes off-site continuing obligations is approved, the DNR will send a letter to the off-site owners detailing the continuing obligations that are required for their property. Property owners should inform anyone interested in buying their property about maintaining these continuing obligations. For residential property, this would be part of the real estate disclosure obligation.

More Information

For more information, please visit the RR Program's Continuing Obligations website at dnr.wi.gov/topic/Brownfields/Residual.html.



DP-17	7/17/14	
Depth	3 ft	9 ft
PCE	**650**	<49

DP-16	7/17/14	
Depth	6 ft	13 ft
VOCs	ND	ND

Legend

- Property boundary
- Underground gas utility line (GAS)
- Underground water utility line (WTR)
- Fiber optic utility line (UGT)
- Sanitary sewer utility line (SAN)
- Storm sewer utility line (STM)
- Previous excavation area
- Sanitary sewer manhole (M)
- Fire Hydrant (F)
- GP-1 — Geoprobe soil boring location (Sigma)
- DP-6 — Direct-push boring location
- DP-15/SG-1 — Direct-push / Soil Gas boring location
- DP-11/PZ-1 — Direct Push boring / Piezometer location

Analytes	Soil Residual Containment Level		
	Ingestion Industrial	Residential	Soil to Groundwater
PCE	**145,000**	**33.00**	**4.5**
TCE	**8,410**	**1,300**	**3.6**
cis-1,2-TCE	**2,340,000**	**156,000**	**41.2**
trans-1,2-DCE	**1,850,000**	**1,560,000**	**62.6**
MC	**1,150,000**	**61,800**	**2.6**
sec-Bb	NE	NE	NE
n-Bb	NE	NE	NE
Ipb	NE	NE	NE
n-Pb	NE	NE	NE

Soil Notes:

1. Bold, shaded blue values are above SRCL Soil to Groundwater Closure Levels
2. Bold, shaded orange values are above SRCL Ingestion Industrial Levels
3. Results reported in micrograms per kilogram = ug/kg
4. J = Estimated concentration above the method detection limit and below the reporting limit
5. PCE = Tectrachloroethene
6. TCE = Trichloroethene
7. cis-1,2-DCE = cis-1,2-Dichloroethene
8. trans-1,2-DCE = trans-1,2-Dichloroethene
9. MC = Methylene Chloride
10. sec-Bb = sec-Butylbenzene
11. n-Bb = n-Butylbenzene
12. Ipb = Isopropylbenzene
13. n-Pb = n-Propylbenzene
14. ND = Compounds not detected
15. NE = Not Established
16. VOCs = Volatile Organic Compounds

SOIL ANALYTICAL RESULTS OF EXTERIOR BORINGS

Lloyd's Cleaners
4837 N. Teutonia Avenue
Milwaukee, WI

Date:	12/3/14
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6229-0666

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
EnviroForensics.com

Figure 1

Project 6229

7016 3560 0001 1207 5536

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*
MEQUON, WI 53092

OFFICIAL USE

Certified Mail Fee	$3.35
$	$2.75
Extra Services & Fees *(check box, add fee as appropriate)*	
☒ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.19
$	
Total Postage and Fees	$7.29
$	

0072 05
MILWAUKEE POST OFFICE
Postmark Here
JUN 22 2017
06/22/2017
USPS

Sent To
Diljeet Khahra
Street and Apt. No., or PO Box No.
10631 Turnberry Dr
City, State, ZIP+4®
Mequon, WI 53092

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

---

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Diljeet Khahra
AKAL Quik Mart Property
10631 Turnberry Dr.
Mequon, WI 53092

9590 9402 2829 7069 3514 62

2. Article Number *(Transfer from service label)*
7016 3560 0001 1207 5536

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

estricted Delivery
(over $500)

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

2 -

* 0 9 2 3 8 4 4 0 *

DOC.# 09238440

REGISTER'S OFFICE | SS
Milwaukee County, WI |

RECORDED 05/19/2006 11:40AM

JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT: 13.00

State Bar of Wisconsin Form 3-2003
QUIT CLAIM DEED

Document Number | Document Name

THIS DEED, made between Diljeet S. Khahra ("Grantor," whether one or more), and Akal Quick Mart Property, LLC ("Grantee," whether one or more).

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

That part of Block 10 in Original North Milwaukee Subdivision No. 1 in the Southeast ¼ of Section 34, Town 8 North, Range 21 East, and that portion of vacated alley adjacent in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows:
Beginning at the Southeast corner of said Block 10; thence West on the South line thereof 175 feet to a point; thence Northwesterly on a line forming an interior angle with said South boundary line of 95 degrees 03', a distance of 167.5 feet, more or less; thence Northeasterly in a straight line approximately 115 feet to a point of beginning measured along North Teutonia Avenue; thence Southeasterly along North Teutonia Avenue 220 feet to the point of beginning except, that part of Lots 15, 16, 17 and 18, Block 10, in the Original North Milwaukee Subdivision No. 1, in the Southeast ¼ of Section 36, Town 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, more particularly described as follows: Commencing at the Southeast corner of Lot 15, in Block 10, (please see addendum)

Recording Area

Name and Return Address
John D. Foley
13500 West Capitol Drive
Brookfield, WI 53005

207-0743-210-2
Parcel Identification Number (PIN)

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

FEE
77.25 (15)S
EXEMPT

Dated May 17, 2006.

[signature] (SEAL) ______ (SEAL)
* Diljeet S. Khahra *

______ (SEAL) ______ (SEAL)
* *

AUTHENTICATION

Signature(s) Diljeet S. Khahra

authenticated on May 17, 2006.

[signature]
* John D. Foley
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, ______
authorized by Wis. Stat. § 706.06)

THIS INSTRUMENT DRAFTED BY:

John D. Foley

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
______ COUNTY)

Personally came before me on ______,
the above-named ______

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

* ______

Notary Public, State of Wisconsin
My Commission (is permanent) (expires: ______)

(Signatures may be authenticated or acknowledged. Both are not necessary.)
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

* Type name below signatures.

8-21-36-4-0032

Services Offered
Commercial Site Development
Subdivision Design and Platting
Planning and Plan Review
Streets and Highway Design
Drainage Studies
Water Distribution Systems
Sewer Collection Systems
Construction Surveying and Stake-out Services
Structures

Nienow Engineering Division

McCLURE ENGINEERING ASSOCIATES, INC.

5417 NORTH 118TH COURT
MILWAUKEE, WI 53225-0536
(414) 616-4880 FAX (414) 616-4885
mcclurenw@worldnet.att.net

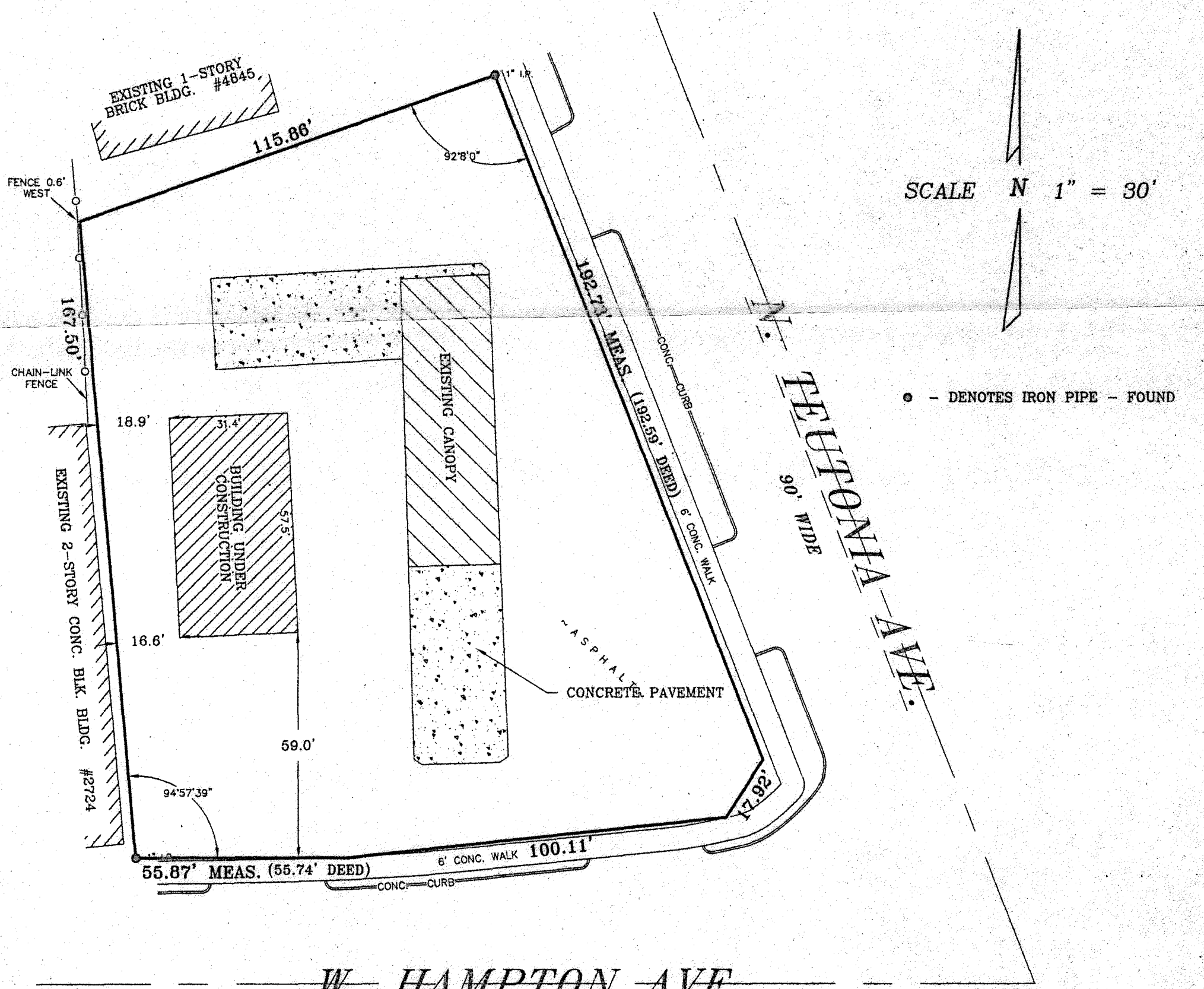
PLAT OF SURVEY

PROJ. NO. 08-13-99-262
DRAWING 99262R1.DWG

PREPARED FOR: VOSS JORGENSEN SCHUELER COMPANY, INC.

LEGAL DESCRIPTION:

THAT PART OF BLOCK 10 IN ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1 IN THE SOUTHEAST 1/4 OF SECTION 36, IN TOWN 8 NORTH, RANGE 21 EAST, AND THAT PORTION OF VACATED ALLEY ADJACENT IN THE CITY OF MILWAUKEE, BOUNDED AND DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT THE SOUTHEAST THE SOUTHEAST CORNER OF SAID BLOCK 10, THENCE WEST ON THE SOUTH LINE THEREOF 175 FEET TO A POINT; THENCE NORTHWESTERLY ON A LINE FORMING AN INTERIOR ANGLE WITH SAID SOUTH BOUNDARY LINE OF 95°03' A DISTANCE OF 167.5 FEET MORE OR LESS; THENCE NORTHEASTERLY IN A STRAIGHT LINE APPROXIMATELY 115 FEET TO A POINT OF BEGINNING ALONG NORTH TEUTONIA AVENUE; THENCE SOUTHEASTERLY ALONG NORTH TEUTONIA AVENUE 220 FEET TO THE POINT OF BEGINNING, EXCEPT THAT PART OF LOTS 15, 16, 17 AND 18 IN BLOCK 10, THE ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1, IN THE SOUTHEAST 1/4 OF SECTION 36, TOWN 8 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF LOT 15, IN BLOCK 10, THE ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1, IN THE SOUTH EAST 1/4 OF SECTION 36, TOWN 8 NORTH, RANGE 21 EAST, SAID POINT ALSO LYING IN THE PRESENT NORTH LINE OF WEST HAMPTON AVE.; RUNNING THENCE WEST ALONG SAID NORTH LINE OF WEST HAMPTON AVE. 119.26 FEET TO A POINT; SAID POINT LYING 5.16 FEET WEST OF THE SOUTHEAST CORNER OF LOT 18 IN SAID BLOCK 10; THENCE NORTH 84 DEGREES 16 MINUTES 34 SECONDS EAST ALONG A LINE 100.11 FEET TO A POINT; THENCE NORTHEASTERLY ALONG A LINE 17.92 FEET TO A POINT IN THE SOUTHWESTERLY LINE OF NORTH TEUTONIA AVENUE, SAID POINT LYING 27.41 FEET NORTHWESTERLY OF THE SOUTHEAST CORNER OF SAID LOT 15; THENCE SOUTHEASTERLY ALONG THE SOUTHWESTERLY LINE OF NORTH TEUTONIA AVENUE 27.41 FEET TO THE POINT OF COMMENCEMENT.



STATE OF WISCONSIN)
MILWAUKEE COUNTY)

I hereby certify that I have surveyed the above described property and the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location of all visible structures and dimensions of all principal buildings thereon, boundary fences, apparent easements, roadway and visible encroachments, if any.

This survey is made for the present owners of the property, and also those who purchase, mortgage, or guarantee, the title thereto within (1) year from date hereof.

Dated at MILWAUKEE, WI this 29th day of SEPTEMBER, 19 95

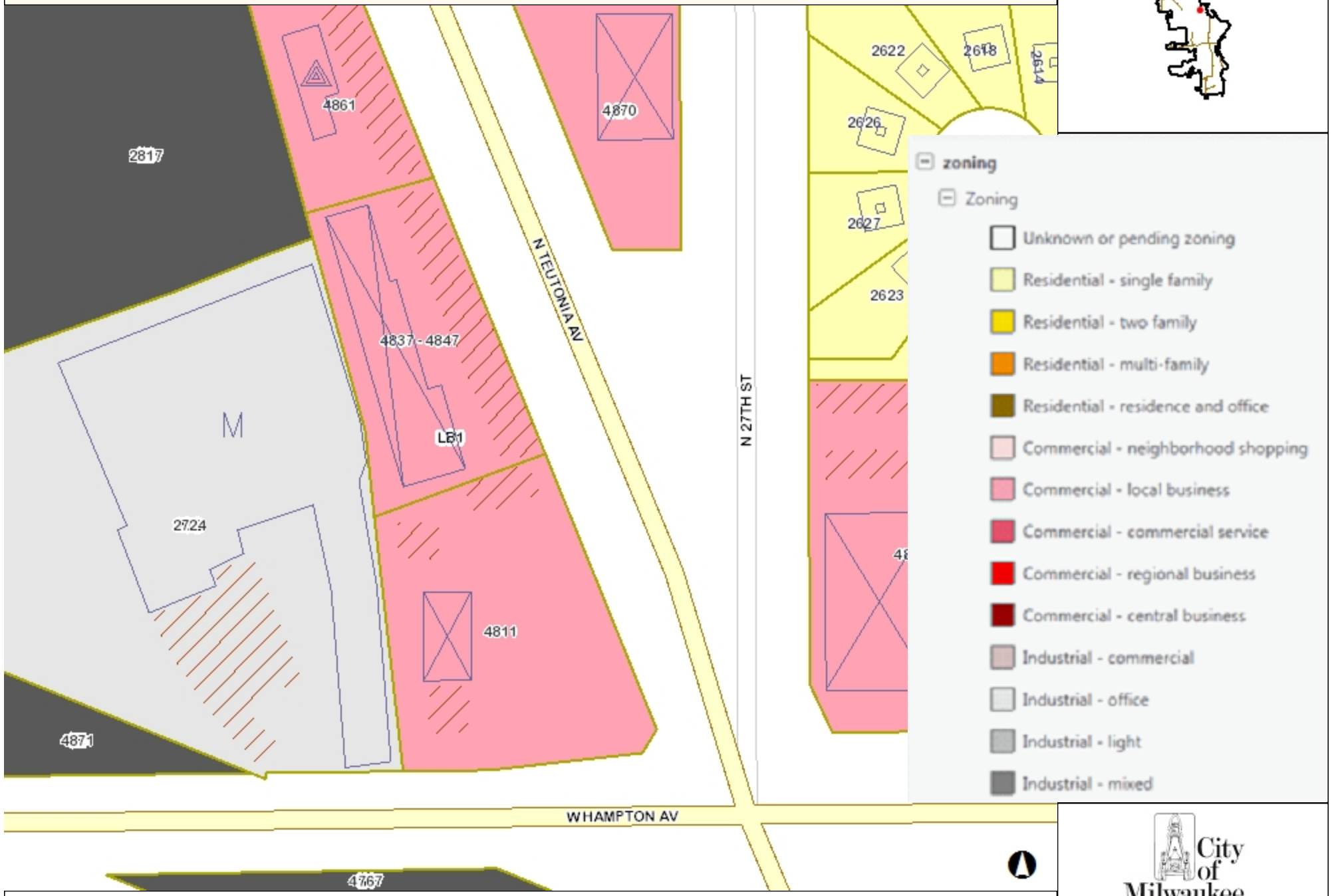
Recertified NOVEMBER 15, 1999

Surveyor

WISCONSIN
MARK D. NESGOOD
S-1967
KENOSHA, WI.
LAND SURVEYOR

Map Milwaukee: Zoning

City of Milwaukee, Wisconsin



Map Milwaukee: Zoning
Disclaimer
6/23/2017

Map Scale: 1: 995

82.9 0 41.44 82.9 Feet

City of Milwaukee
Department of Administration - ITMD

Responsible Party Statement

Parcel Identification No. 2070743210

4811 N. Teutonia Avenue

Milwaukee, WI 53209

Legal Description:

THAT PART OF BLOCK 10 IN ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1 IN THE SOUTHEAST 1/4 OF SECTION 36, IN TOWN 8 NORTH, RANGE 21 EAST, AND THAT PORTION OF VACATED ALLEY ADJACENT IN THE CITY OF MILWAUKEE, BOUNDED AND DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT THE SOUTHEAST THE SOUTHEAST CORNER OF SAID BLOCK 10, THENCE WEST ON THE SOUTH LINE THEREOF 175 FEET TO A POINT; THENCE NORTHWESTERLY ON A LINE FORMING AN INTERIOR ANGLE WITH SAID SOUTH BOUNDARY LINE OF 95°03' A DISTANCE OF 167.5 FEET MORE OR LESS; THENCE NORTHEASTERLY IN A STRAIGHT LINE APPROXIMATELY 115 FEET TO A POINT OF BEGINNING ALONG NORTH TEUTONIA AVENUE; THENCE SOUTHEASTERLY ALONG NORTH TEUTONIA AVENUE 220 FEET TO THE POINT OF BECINNING, EXCEPT THAT PART OF LOTS 15, 16, 17 AND 18 IN BLOCK 10, THE ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1, IN THE SOUTHEAST 1/4 OF SECTION 36, TOWN 8 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF LOT 15, IN BLOCK 10, THE ORIGINAL NORTH MILWAUKEE SUBDIVISION NO. 1, IN THE SOUTH EAST 1/4 OF SECTION 36, TOWN 8 NORTH, RANGE 21 EAST, SAID POINT ALSO LYING IN THE PRESENT NORTH LINE OF WEST HAMPTON AVE.; RUNNING THENCE WEST ALONG SAID NORTH LINE OF WEST HAMPTON AVE. 119.26 FEET TO A POINT; SAID POINT LYING 5.16 FEET WEST OF THE SOUTHEAST CORNER OF LOT 18 IN SAID BLOCK 10; THENCE NORTH 84 DEGREES 16 MINUTES 34 SECONDS EAST ALONG A LINE 100.11 FEET TO A POINT; THENCE NORTHEASTERLY ALONG A LINE 17.92 FEET TO A POINT IN THE SOUTHWESTERLY LINE OF NORTH TEUTONIA AVENUE, SAID POINT LYING 27.41 FEET NORTHWESTERLY OF THE SOUTHEAST CORNER OF SAID LOT 15; THENCE SOUTHEASTERLY ALONG THE SOUTHWESTERLY LINE OF NORTH TEUTONIA AVENUE 27.41 FEET TO THE POINT OF COMMENCEMENT.

I, Thomas Anderson, believe that the legal description provided above and on Milwaukee County Register of Deeds Doc No. 09238440 accurately describes the contaminated property.

Signature: Thomas Anderson

Title: Owner

Date: 7/11/17