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Engineers • Consultants • Inspectors

December 5, 2017

Mr. Mike Schmoller
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711

RE: SITE INVESTIGATION REPORT
Hartmeyer Property
2007 Roth Street
Madison, Wisconsin
GEC Project Number: 2-0116-47M
BRRTS No.: (02-13-580328)

Dear Mr. Schmoller:

General Engineering Company has completed this Site Investigation Report for the Hartmeyer Property located at 2007 Roth Street, in the City of Madison, Wisconsin. Please feel free to contact General Engineering Company with any questions you may have.

Sincerely yours,

GENERAL ENGINEERING COMPANY

Brian Youngwirth
Environmental Project Manager

Lynn M. Bradley
Environmental Project Manager

Engineers • Consultants • Inspectors

SITE INVESTIGATION REPORT

For

HARTMEYER PROPERTY

Located at

2007 Roth Street
Madison, Dane County, Wisconsin

December 5, 2017

Prepared by:

GENERAL ENGINEERING COMPANY
916 Silver Lake Drive
PO Box 340
Phone: (608) 742-2169
GEC Project No.: 2-0113-27C

Client:

THE KRAFT HEINZ COMPANY
Ms. Jenny Touchet
910 Mayer Avenue
Madison, Wisconsin 53704

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1.0 EXECUTIVE SUMMARY AND SUBMITTAL CERTIFICATION

General Engineering Company (GEC) has performed a Site Investigation for the Hartmeyer Property located at 2007 Roth Street, in the City of Madison, Dane County, Wisconsin. The site investigation activities were completed due to a release from an aboveground storage tank (AST) system located on the property. One AST, located in the southern portion of the berm area, and the associated pump house formerly located beyond the northern portion of the berm area were removed in September of 2016. It is understood that an additional AST was removed from the northern portion of the berm area in 2001.

The investigative activities to date included the advancement of twenty test pits (TP-1 to TP-8 and TP-1A to TP-12A); and six soil borings (B-1 to B-6), four of which were converted to groundwater monitoring wells (MW-1 to MW-4); the performance of a remedial excavation; and completion of one groundwater monitoring event.

The test pits, borings, and monitoring wells were performed to delineate the horizontal and vertical extent of affected soil and/or groundwater contamination identified near the former pump house and berm area. Soil and groundwater samples indicated the presence of elevated levels of petroleum volatile organic compounds (PVOCs) and naphthalene at concentrations exceeding each compound's NR 720 soil to groundwater residual contaminant level (RCL). The highest levels of contaminants within soil were detected in boring B-4 (northwestern portion of the berm area near a former AST removed during 2001) at a depth of 4 to 5 feet. The laboratory analytical results reported detections of several PVOCs including benzene (1,260 micrograms per kilogram (µg/kg)) and naphthalene (17,600 µg/kg). Soil impacts were observed primarily below the depth of groundwater within several of the test pits and borings in the area of the former pump house and northern former AST, and extending toward the southwest beyond the berm area. However, groundwater does not appear to have been substantially impacted as the samples collected from MW-3 and MW-4 contained benzene (1.29 µg/l) and naphthalene (84 µg/l), respectively, at concentrations exceeding their NR 140 preventive action limits (PALs). The groundwater samples collected from MW-1 and MW-2 did not contain detectable levels of PVOCs or naphthalene. Groundwater was present within the monitoring wells at depths of 3 to 4 feet below ground surface (bgs).

Based on the site investigation work performed to date, it appears that the extent of soil and groundwater contamination has been adequately defined. Due to the accessible nature of the contamination and the presence of obviously affected soils near the former pump house, a remedial excavation was performed in an attempt to expedite closure for this case. On October 13, 2016, GEC oversaw the excavation of approximately 464.81 tons of petroleum affected soils from the area of the former pump house and areas extending north and west. The soils were transported to Waste Management's Madison Prairie Landfill, located in Sun Prairie, Wisconsin. The depth of the excavation ranged from approximately 10 to 12 feet below bgs.

The majority of the samples collected from the excavation limits contained naphthalene, and to a lesser extent, benzene or trimethylbenzene at concentrations exceeding their respective soil to groundwater RCLs. However, it appears that contamination within the area of the excavation is co-mingled with contamination from a prior release (Oscar Mayer-BRRTS No. 03-13-000053) that was closed by the Wisconsin Department of Natural Resources (WDNR) in 2008.

Approximately 464 tons of petroleum contaminated soils were removed. None of the confirmation soil samples collected from the upper four feet of soil reported PVOCs or naphthalene at concentrations exceeding the NR 720 direct contact RCLs. The extent of soil and groundwater contamination appears to have been adequately defined and the source of the contamination has been removed. In addition, groundwater does not appear to have been substantially impacted by this release as there are currently no known impacts to groundwater of PVOCs or naphthalene exceeding the NR 140 enforcement standard (ES). Therefore, GEC recommends that a closure request be prepared, subject to concurrence by the WDNR.

"I Joseph M. Ramcheck 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."

SIGNATURE: _____ DATE: 12/04/2017

PROFESSIONAL REGISTRATION NUMBER: PH-186-111

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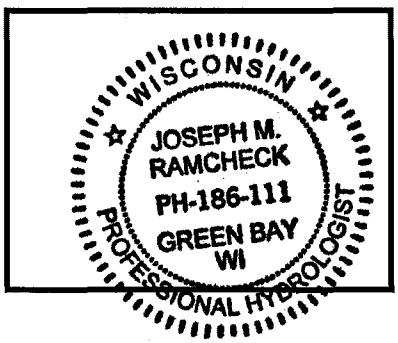


2.0 INTRODUCTION

2.1 General

This report presents the findings and conclusions of the site investigation activities performed at the Hartmeyer Property located at 2007 Roth Street in the City of Madison, Wisconsin.

Site Name and Location:	Hartmeyer Property 2007 Roth Street City of Madison, Wisconsin Southeast ¼ of the Southwest ¼ and the Southwest ¼ of the Southwest ¼ of Section 31, Township 8 North, Range 10 East Dane County, Wisconsin WTM Coordinates: X=572119, Y=293085
Site Operations:	The property is currently vacant and not occupied by any structures.
Responsible Party:	The Kraft Heinz Company Jenny Touchet 910 Mayer Avenue, Madison, Wisconsin 53704 Phone: (608) 285-3122
Consultant:	General Engineering Company 916 Silver Lake Drive Portage, WI 53901 Phone: (608) 742-2169
Project Manager:	Lynn Bradley General Engineering Company 916 Silver Lake Drive Portage, WI 53901 Phone: (608) 617-7729 byoungwirth@generalengineering.net

2.2 Purpose

The purpose of the site investigation activities was to define the horizontal and vertical extent of petroleum soil and groundwater contamination at the site in accordance with NR 716, Wis. Adm. Code. The purpose of the remedial excavation was to remove and properly dispose of soils obviously impacted by petroleum compounds within the area of the former pump house, which appears to be the primary source area for this release.

2.3 Scope of Work

The scope of investigative activities to date included the following: advancement of twenty test pits; the advancement of six soil borings, four of which were converted to groundwater monitoring wells; the performance of a remedial excavation; collection of soil samples from the test pits, soil borings, remedial excavation; collection of groundwater samples from the monitoring wells; submittal of soil and groundwater samples for laboratory analysis; analysis of the collected data and preparation of this report.

The analyses are not intended to be an all-inclusive search for hazardous substances across the site, and do not necessarily preclude the presence of other compounds from being at the probe locations or other areas of the property.

SITE DESCRIPTION

3.1 Site Features

The subject site (Parcel Number 251/0810-313-0099-0) is owned by the Hartmeyer Estate, and is located at 2007 Roth Street, in the City of Madison, Wisconsin. More specifically, the subject property is located in the Southeast ¼ of the Southwest ¼ and the Southwest ¼ of the Southwest ¼ of Section 31, Township 8 North, Range 10 East, Dane County, Wisconsin. A Site Location Map showing the general location of the subject property is attached as Figure 1, located in Appendix A.

The Subject Property has been leased by Kraft Foods for several years. Site operations included a 250,000-gallon fuel oil AST, pump house and distribution piping. The AST was located within an asphalt berm area on the southeastern portion of the property. The piping from the AST extended along the eastern portion of the berm, north to the pump house. The pump house was located approximately 15 feet north of the berm and a concrete pad for fueling the AST was located north of the pump house. It is also understood that an additional 250-000 gallon AST was formerly present within the northern portion of the berm area that was reportedly removed in 2001. A detailed site plan is attached as Figure 2, Appendix A.

The topography of the subject site is relatively flat, with a slight down-gradient slope toward the northwest portion of the property. The subject site is primarily surrounded to the east by railroad tracks followed by Kraft Heinz; to the west by commercial and residential properties followed by Sherman Avenue; to the south by Commercial Street followed by commercial properties; and to the north by a parking area utilized by Kraft Food and Roth Street.

The vicinity of the subject site is serviced by municipal water. No known public utility wells or private water supply well systems are located within 1,200 feet of the site. Also, there does not appear to be the potential for impacts to threatened or endangered species; sensitive species, habitat, or ecosystems; wetlands; outstanding or exceptional resource waters; or sites of historical or archaeological significance. No immediate or interim actions have been taken, and none appear warranted at this time.

3.2 Background

In early September 2016, under the direction of Kraft Heinz, Schaper Excavating and Petroleum (Schaper) of Pardeeville, Wisconsin, properly removed a 250,000-gallon fuel oil AST from an asphalt berm area, along with the associated AST piping and a brick and steel structure covering the pump house. During removal of the AST, there was no obvious indications of leaks or staining from the tank or piping. Some staining was observed on the concrete floor of the pump house. The concrete floor and concrete pad north of the pump house was to be removed the following week.

Subsequent to the removal of the AST and pump house structure, an extensive rain caused water to pond in the area of the performed work. The WDNR was notified of a petroleum sheen on the standing water present in the area of the former pump house. GEC, on behalf of Schaper and Kraft/Heinz, responded to the notification and mobilized to the property. A petroleum sheen and odor was observed on the water in the area of the pump house. GEC collected two surface water samples; one from the berm area (former location of the AST), and one from the pump house, located north of the berm area. Groundwater samples were submitted for laboratory analysis of PVOCs and naphthalene. Laboratory analytical results reported no detection of analytical constituents above their respective limit of detection.

Due to the report of the sheen, and the indication of petroleum contamination in the area of the pump house, Mr. Mike Schmoller, the WDNR spill coordinator, requested that soil samples be collected in the area of the pump house and within the asphalt berm near the former location of the AST.

On September 14, 2016, Schaper installed eight (8) test pits (TP-1 to TP-8) to assess site soils. Test pits were excavated to depths of three to six feet bgs. Figure 3 illustrates the test pit configuration. Soil samples were collected from each test pit and submitted for laboratory analysis of PVOC and naphthalene. The test pit performed within the footings of the former pump house identified soil staining and petroleum odors. The impacted soils were stored within the pump house concrete footings and covered with plastic until proper disposal arrangements could be coordinated.

Laboratory analytical results reported concentrations of benzene and/or naphthalene above the NR 720 soil to groundwater RCLs from samples collected beneath the pump house, to the north of the pump house, west of the pump house, south of the off-load ramp, and within the berm beneath the northern piping. Soil analytical results from the September 14, 2016, sample can be found on Table 1, Appendix B. A Status Update summarizing the performed work was submitted to the WDNR on June 5, 2017.

The site investigation and remedial activities discussed herein were subsequently performed. It should be noted that an additional case is associated with the subject site (Oscar Meyer 03-13-000053), which was closed by the WDNR on January 23, 2008. Based on a review of the geographic information system (GIS) package for that case, it appears that contamination associated with the current release is co-mingled with contamination from the former release along the northeastern extent of the plume, near MW-4.

4.0 SITE INVESTIGATION AND REMEDIAL ACTIVITIES

4.1 Scope Summary

The scope of the site investigation activities included the advancement of six soil borings (B-1 to B-6), four of which were converted to monitoring wells (MW-1 to MW-4); the collection of soil samples from the soil borings; the performance of 12 additional test pits (TP-1A to TP-12A); the collection of soil samples from the test pits; and the performance of one round of groundwater sampling from the site monitoring wells. The soil borings, monitoring wells, and test pits were performed to delineate the extent of soil and groundwater contamination. The performance of a remedial excavation was also completed within the area of the former pump house and extended to the north and west.

Selected soil samples from the test pits, borings, and excavation were submitted for laboratory analysis for the presence of PVOCs and naphthalene. Groundwater samples collected from the monitoring wells were submitted for laboratory analysis for the presence of PVOCs and naphthalene.

4.2 Field Exploration

Soil borings B-1 to B-6 were advanced on April 28, 2017. Soil borings B-1, B-2, B-5, and B-6 were converted to monitoring wells MW-1 to MW-4, respectively. The borings were performed to depths of approximately 13 feet. Test pits TP-1A to TP-12A were performed on June 29, 2017. The test pits were performed to depths of up to six feet bgs. Soil samples were collected from the test pits at depths ranging from approximately 2 feet to 5 feet bgs. The locations of the soil borings/monitoring wells and additional test pits are also shown on Figure 3, Appendix A. Collected samples at each location were screened in the field with a Minirae photoionization detector (PID).

The borings and monitoring wells were advanced by On-Site Environmental Services of Sun Prairie, Wisconsin, under the direction of GEC. The test pits were performed by Schaper Excavating of Dalton, Wisconsin, under the direction of GEC. The borings were advanced utilizing a track-mounted geo probe unit with an auger attachment.

The monitoring well construction consisted of a 10-foot section of 2-inch diameter, machine slotted PVC screen placed at or near the bottom of the borehole. This was surrounded by a properly graded granular filter medium in the annular space, with un-slotted riser pipe extending from the screened section to a few inches below the ground surface. A bentonite seal of approximately 2 feet was placed above the granular filter medium. The remaining annular space was filled to the ground surface with bentonite chips. Flush-mounted protective covers were used to protect the monitoring wells. Monitoring well construction forms were provided within GECs June 5, 2017, Status Update

On October 13, 2016, GEC oversaw the excavation of approximately 464.81 tons of petroleum affected soils from the area of the former pump house, and extending north and west. Excavation activities were performed by Schaper Excavating of Dalton, Wisconsin. The soils were transported to Waste Management's Madison Prairie Landfill, located in Sun Prairie, Wisconsin. The excavation was approximately 40 feet long by 40 feet wide with the northern

portion extending further to the east and the southern portion extending further to the west. The depth of the excavation ranged from approximately 10 to 12 feet below bgs.

Ten soil samples were collected from the sidewalls and bottom of the excavation and submitted for laboratory analysis for the presence of PVOCs and naphthalene. Specifically, six soil samples were collected from the sidewalls of the excavation at depths of 5 feet to 7 feet (SS-1, SS-3, SS-4, SS-6, SS-7, and SS-9); and four soil samples were collected from the bottom of the excavation at depths ranging from 8 feet to 10 feet (SS-2, SS-5, SS-8, and SS-10). The remedial excavation activities are also discussed in GEC's Status Update, dated June 5, 2017. The limits of the remedial excavation and soil sampling locations are shown on Figure 5, Appendix A.

4.3 Field Volatile Vapor Emission Screening

Soil samples collected from the soil borings, test pits, and remedial excavation were screened for volatile organic vapor emissions with a Minirae PID. The soil samples were placed in a plastic bag and permitted to equilibrate to at least 70 degrees Fahrenheit for a period of at least 15 minutes, based upon the ambient outdoor temperature. The screening was then performed by inserting the probe in the bag and measuring the headspace. The PID is an electronic instrument that measures the relative concentration of volatile organic vapor emissions in the headspace of a container. The response of the instrument is dependent upon volatility, temperature, and the ionization potential of the compounds measured. The meter serves as one tool in selecting samples for analytical testing, as it only gives a relative indication of the presence of volatile organic vapor emissions, but cannot quantify concentrations of individual compounds.

4.4 Soil Sample Collection and Preparation

The soil samples for chemical analyses were selected from the soil borings, test pits, and remedial excavation based upon visual and olfactory observations, the PID screenings, the direct contact risk, and the depth to groundwater to document the encountered soil conditions. Select soil samples were subjected to laboratory analysis for the presence of PVOCs and naphthalene.

The soil samples submitted for laboratory analysis for the presence of PVOC and naphthalene were extracted from the soils utilizing a sterile syringe and approximately 10 to 12 grams of soil were transferred into a clean, laboratory prepared jar with approximately 10 milliliters of methanol. The samples were placed on ice and chain-of-custody procedures were initiated. The samples were then submitted to Synergy Laboratory of Appleton, Wisconsin, for laboratory analysis.

5.0 DESCRIPTION OF SUBSURFACE CONDITIONS

5.1 Soil Conditions

The surface at the boring locations consisted of sparse vegetation and brown to black silty sand or sand with varying amounts of gravel. The surface materials at B-1 were underlain by backfill from the prior remedial excavation. The surface materials at borings B-3 and B-4 were underlain by fill soil consisting of brown silty sand with gravel and brown sand and gravel to

depths of 1 to 2 feet, respectively. The surface materials at the remaining locations were underlain by variable fill soils generally consisting of black sand and gravel with asphalt (B-2); brown to gray sand and gravel and gray to black sandy silt (B-5); and brown sand with coal, cinders and grass or black sandy silt (B-6) to depths of 2 feet, 6 feet, and 5 feet, respectively. The fill was generally underlain by variable natural soils generally consisting of brown and black sandy silt and gray and black silty clay to the termination depths of the borings at depths of 5 feet to 13 feet bgs. Boring logs for the soil borings were provided within a previous Status Update.

With regard to the test pits, fill soils were generally encountered to their termination depths at 3 to 6 feet bgs. As exceptions, natural reddish brown silty clay was encountered within test pits TP-11A and TP-12A at depths of 5 to 6 feet bgs. The fill within the upper 5 to 6 feet generally consisted of variable soils including sand and gravel, silty sand, or sandy silt with varying amounts of asphalt, cinders, wood, bricks and topsoil. Test pit logs are included in Appendix C.

Groundwater accumulated within the borings, excavation, and test pits during the performance of the work. Bedrock was not encountered during the performance of the soil borings, excavation or test pits. A geologic cross section with an estimated extent of soil and groundwater contamination is shown in Figure 4, Appendix A.

6.0 GROUNDWATER MONITORING ACTIVITIES

6.1 Well Development

Monitoring wells MW-1 through MW-4 were developed on May 4, 2017. The monitoring wells were developed by alternately surging and purging with a bailer. The well development forms were previously provided within the June 5, 2017, Status Update.

6.2 Groundwater Sampling

Groundwater samples were collected from MW-1 to MW-4 on May 4, 2017. The samples were submitted for laboratory analysis for the presence of PVOCs and naphthalene.

Samples submitted for PVOC and naphthalene analysis where transferred into a laboratory prepared 40-milliliter vials containing Hydrochloric Acid preservative. The sample containers were placed on ice and standard chain-of-custody procedures were initiated. The groundwater samples were submitted to Synergy Environmental Lab in Appleton, Wisconsin.

6.3 Water Elevations

Groundwater level measurements were performed at each of the tested monitoring wells during the sampling rounds performed. Depth to groundwater at the site during the initial sampling event on May 4, 2017 ranged from ranged from 2.45 feet below top of casing (TOC) at MW-4 to 4.12 feet below TOC at MW-3. The groundwater elevations ranged from EL. 849.53 mean sea level (MSL) at MW-3 to EL. 851.90 MSL at MW-2. Based on the initial groundwater sampling round performed, groundwater flow is toward the south/southeast. However, additional sampling rounds and other monitoring points would be necessary to further evaluate groundwater flow on the subject property. Groundwater elevation data is summarized on Table

3, Appendix B. A groundwater elevation contour and flow direction map for May 4, 2017, is included in Figure 6, Appendix A.

7.0 FIELD AND ANALYTICAL TESTING RESULTS

7.1 NR 720 Soil Standards

Chapter 720 of the NR700 series code established RCLs for soils intended to be protective of the direct contact (upper 4 feet of soil defined by human exposure to substances in soil through inhalation of particulate matter, dermal absorption, incidental ingestion, or inhalation of vapors from the soil) and soil-to-groundwater pathways. The direct contact levels are dependent on the planned use and zoning of the affected property. Although these individual RCLs have been established for a wide range of compounds, the WDNR requires that the cumulative effects of detected compounds be evaluated through use of a WDNR interactive table where individual concentrations can be entered to evaluate whether the target cancer risk has been exceeded. The individual RCLs provided by the WDNR were developed using standard default exposure assumptions. As an alternative, site specific calculations can be performed utilizing the U.S. EPA Regional Screening Level Web Calculator.

7.2 Laboratory Soil Results

The soil samples collected from B-3, B-4, and B-5 contained PVOCs and naphthalene at concentrations exceeding their respective NR 720 soil to groundwater RCLs. The highest concentrations of contaminants were detected within the sample collected from B-4 at a depth of 4 to 5 feet. The sample contained benzene (1,260 µg/kg), ethylbenzene (4,100 µg/kg), naphthalene (17,600 µg/kg), 1,2,4 trimethylbenzene (7,200 µg/kg), and 1,3,5 trimethylbenzene (1,800 µg/kg), which exceeded its respective NR 720 soil to groundwater RCLs. The samples collected from B-3 and B-5 contained benzene (203 µg/kg and 242 µg/kg), respectively and naphthalene (2,060 µg/kg and 6,400 µg/kg), respectively exceeding their soil to groundwater RCLs. Remaining samples reported no detections of analyzed constituents above their respective standard or laboratory reporting limit.

With regard to test pit samples, the samples collected from TP-1A at a depth of 5 to 6 feet and TP-12A at a depth of 4 to 5 feet contained benzene (380 µg/kg and 185 µg/kg) and naphthalene (3,140 µg/kg and 4,000 µg/kg), respectively, which exceed their soil to groundwater RCLs. The sample collected from TP-7A at a depth of 4 to 5 feet also contained benzene (57 ug/kg), exceeding the soil to groundwater pathway RCL. The samples collected from the remaining test pit locations either did not contain detectable levels of PVOCs and naphthalene or did not contain them at concentrations exceeding their respective NR 720 soil to groundwater RCLs.

With regard to the remedial excavation sampling, soil samples SS-4 through SS-9, collected from the northwest wall, west bottom, north-center wall, northeast wall, northeast bottom and east wall contained PVOC concentrations as either benzene and/or 1,2,4-trimethylbenzene, along with naphthalene at concentrations exceeding their respective NR 720 soil to groundwater RCLs. Specifically, naphthalene levels in samples SS-4 through SS-9 were detected at concentrations of 2,970 µg/kg, 3,200 µg/kg, 1,730 µg/kg, 19,700 µg/kg, 6,400 µg/kg and 1,880 µg/kg, respectively. Benzene was detected in soil samples SS-4 (41J µg/kg) and

SS-6 (76 µg/kg) while 1,2,4-trimethylbenzene was detected in soil samples SS-6 (1820 µg/kg), SS-7 (1690 µg/kg) and SS-8 (1,630 µg/kg), all above the NR 720 RCLS.

Samples collected from SS-1 through SS-3 (south wall, southwest bottom and west wall) and SS-10 (bottom near the former pump house) at 10 feet bgs did not contain PVOC compounds or naphthalene above the NR 720 RCLs.

The analytical results of the soil samples collected from the test pits and excavation are provided in Appendix D. The other soil results were previously provided. Soil boring and test pit results are summarized on Table 1, Appendix B and the remedial excavation sampling results are summarized on Table 4, Appendix B.

7.3 Groundwater Quality Standards

The Enforcement Standards (ESs) and Preventive Action Limits (PALs) are Groundwater Quality Standards, which have been established in NR140 of the Wisconsin Administrative Code. These standards are referenced when evaluating the need for further study or remedial activities. The PAL is the more stringent guideline, in terms of being lesser in magnitude than the ES, but will typically require less response action when exceeded. The required action is determined by DNR regulations, based on various site-specific considerations.

7.4 Laboratory Groundwater Results

The groundwater sample collected from MW-3 contained benzene at a concentration of 1.29 micrograms per liter (µg/L), which exceeds its NR 140 PAL. The sample collected from MW-4 contained naphthalene at a concentration of 84 µg/L. No other analyzed constituents were detected within the groundwater samples collected at MW-3 or MW-4 above their respective standards. The samples collected from MW-1 and MW-2 did not contain detectable concentrations of PVOCs or naphthalene. The results of the chemical analysis of the samples are summarized in Table 2, Appendix B.

8.0 CONCLUSIONS, RECOMMENDATIONS, OPINIONS

GEC has performed a Site Investigation for the Hartmeyer Property located at 2007 Roth Street, in the City of Madison, Dane County, Wisconsin. The site investigation activities were completed due to a release from an AST system formerly located on the property, which was removed in September of 2016.

The investigative activities to date included the advancement of twenty test pits (TP-1 to TP-8 and TP-1A to 12A); the advancement of six soil borings (B-1 to B-6), four of which were converted to groundwater monitoring wells (MW-1 to MW-4); the performance of a remedial excavation; collection of soil samples from the test pits, soil borings, remedial excavation; and the collection of one round of groundwater samples from the monitoring wells.

The test pits, borings, and monitoring wells were performed to delineate the horizontal and vertical extent of affected soil and/or groundwater contamination identified near the former pump house and berm area. Soil and groundwater samples collected from the area of the former pump house and berm area indicated the presence of elevated levels of PVOCs and naphthalene at concentrations exceeding each compound's NR 720 soil to groundwater RCL.

The highest levels of contaminants within soil were detected in the sample collected from B-4 (northwestern portion of the berm area near a former AST removed during 2001) at a depth of 4 to 5 feet. The sample contained several PVOCs, including benzene at a concentration of 1,260 µg/kg, and the compound naphthalene at a concentration of 17,600 µg/kg. Soil impacts were observed primarily below the depth of groundwater within several of the test pits and borings in the area of the former pump house and northern former AST, and extending toward the southwest beyond the berm area. However, groundwater does not appear to have been substantially impacted as the samples collected from MW-3 and MW-4 contained benzene (1.29 µg/l) and naphthalene (84 µg/l), respectively at concentrations exceeding their respective NR 140 PAL. The groundwater samples collected from MW-1 and MW-2 did not contain detectable levels of PVOCs or naphthalene. Groundwater was present within the monitoring wells at depths of 3 to 4 feet bgs.

Based on the site investigation work performed to date, it appears that the extent of soil and groundwater contamination has been adequately defined. Due to the accessible nature of the contamination and the presence of obviously affected soils near the former pump house, a remedial excavation was performed in an attempt to expedite closure for this case. Therefore, on October 13, 2016, GEC oversaw the excavation of approximately 464.81 tons of petroleum affected soils from the area of the former pump house and areas extending north and west. The soils were transported to Waste Management's Madison Prairie Landfill, located in Sun Prairie, Wisconsin. The depth of the excavation ranged from approximately 10 to 12 feet below bgs.

The majority of the samples collected from the excavation limits contained naphthalene, and to a lesser extent benzene or trimethylbenzene, at concentrations exceeding their respective soil to groundwater RCLs. However, as indicated previously, it appears that contamination within the area of the excavation is co-mingled with contamination from a prior release (Oscar Mayer-BRRTS No. 03-13-000053) that was closed by the WDNR in 2008.

Approximately 464 tons of affected soils have been removed and properly disposed. None of the confirmation samples collected from the upper four feet of soil contained PVOCs or naphthalene at concentrations exceeding the NR 720 direct contact RCLs. The extent of soil and groundwater contamination appears to have been adequately defined and the source of the contamination has been removed. In addition, groundwater does not appear to have been substantially impacted by this release as there are currently no known impacts to groundwater of PVOCs or naphthalene exceeding the NR 140 ES. Therefore, GEC recommends that a closure request be prepared, subject to concurrence by the WDNR.

Respectfully Submitted,

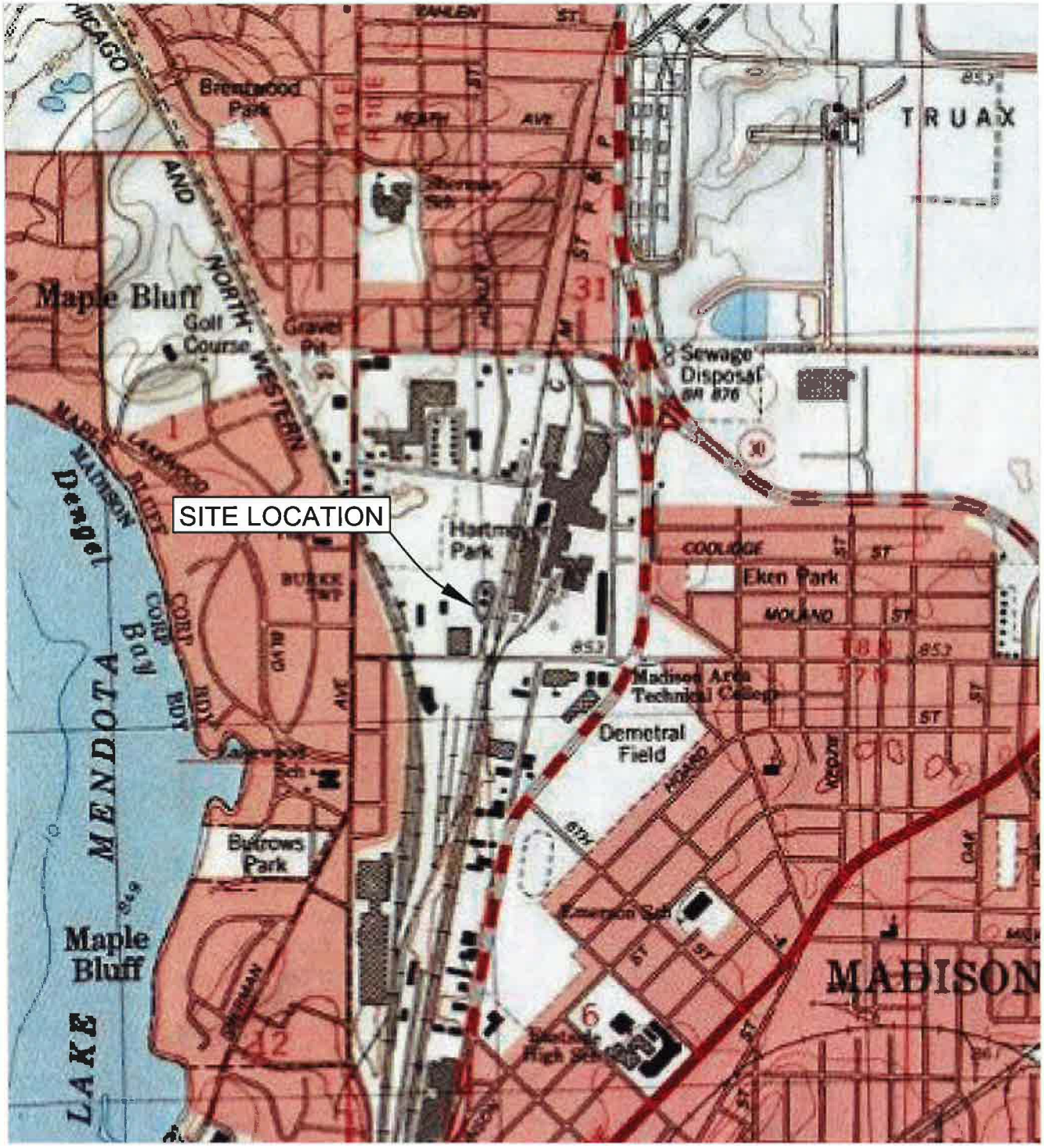
GENERAL ENGINEERING COMPANY

Brian Youngwirth
Environmental Project Manager

Lynn M. Bradley
Lynn Bradley
Environmental Project Manager

APPENDIX A

FIGURES



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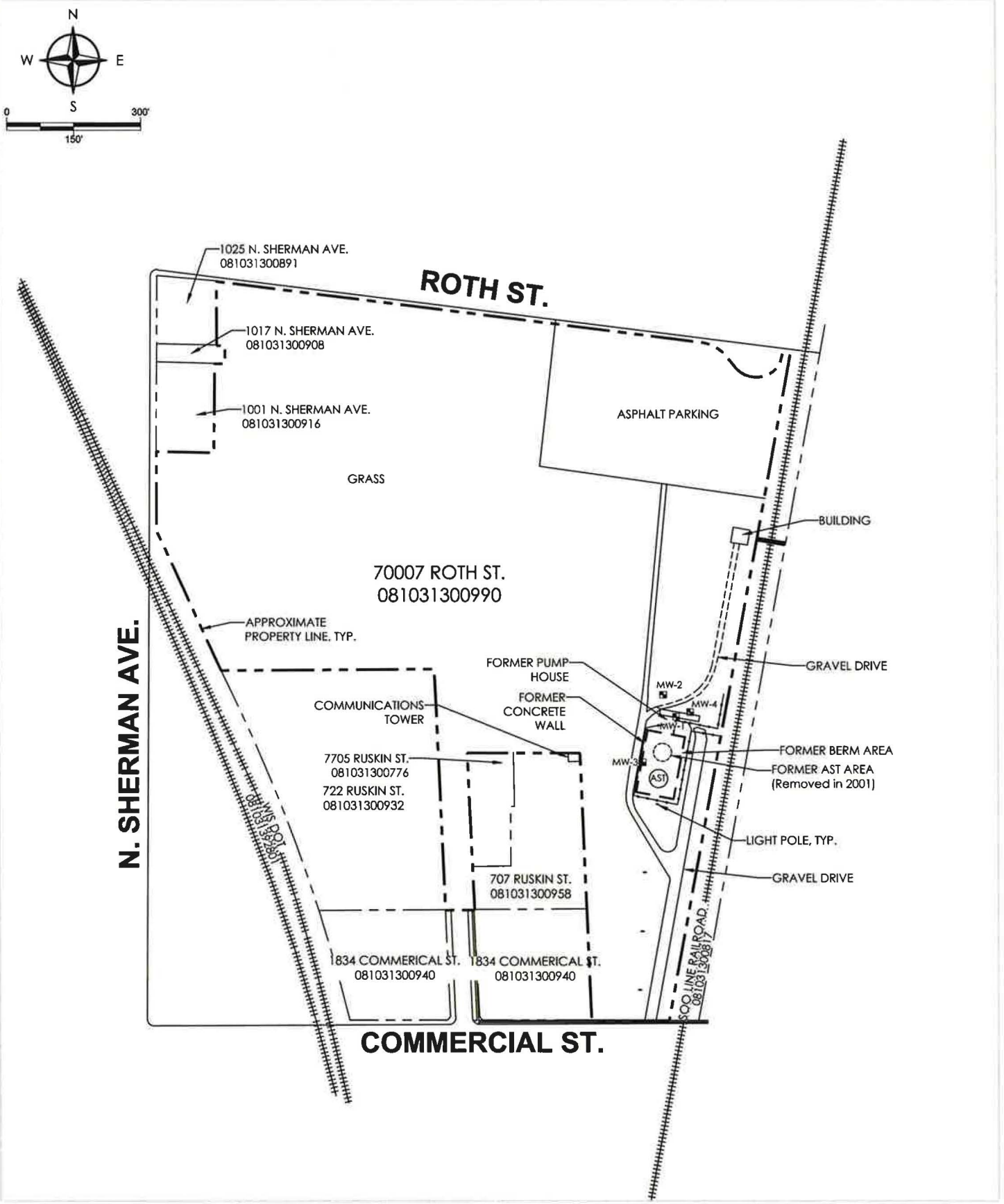
www.generalengineering.net

SITE LOCATION MAP

SITE INVESTIGATION
HARTMEYER PROPERTY
2007 Roth St.
City of Madison
Dane County, WI

DRAWN BY	KP
REVIEWED BY	LMB
ISSUE DATE	September 2017
GEC FILE NO.	2-0116-47M
SHEET NO.	FIGURE 1



LEGEND

- APPROXIMATE PROPERTY LINE
- MONITORING WELL LOCATION

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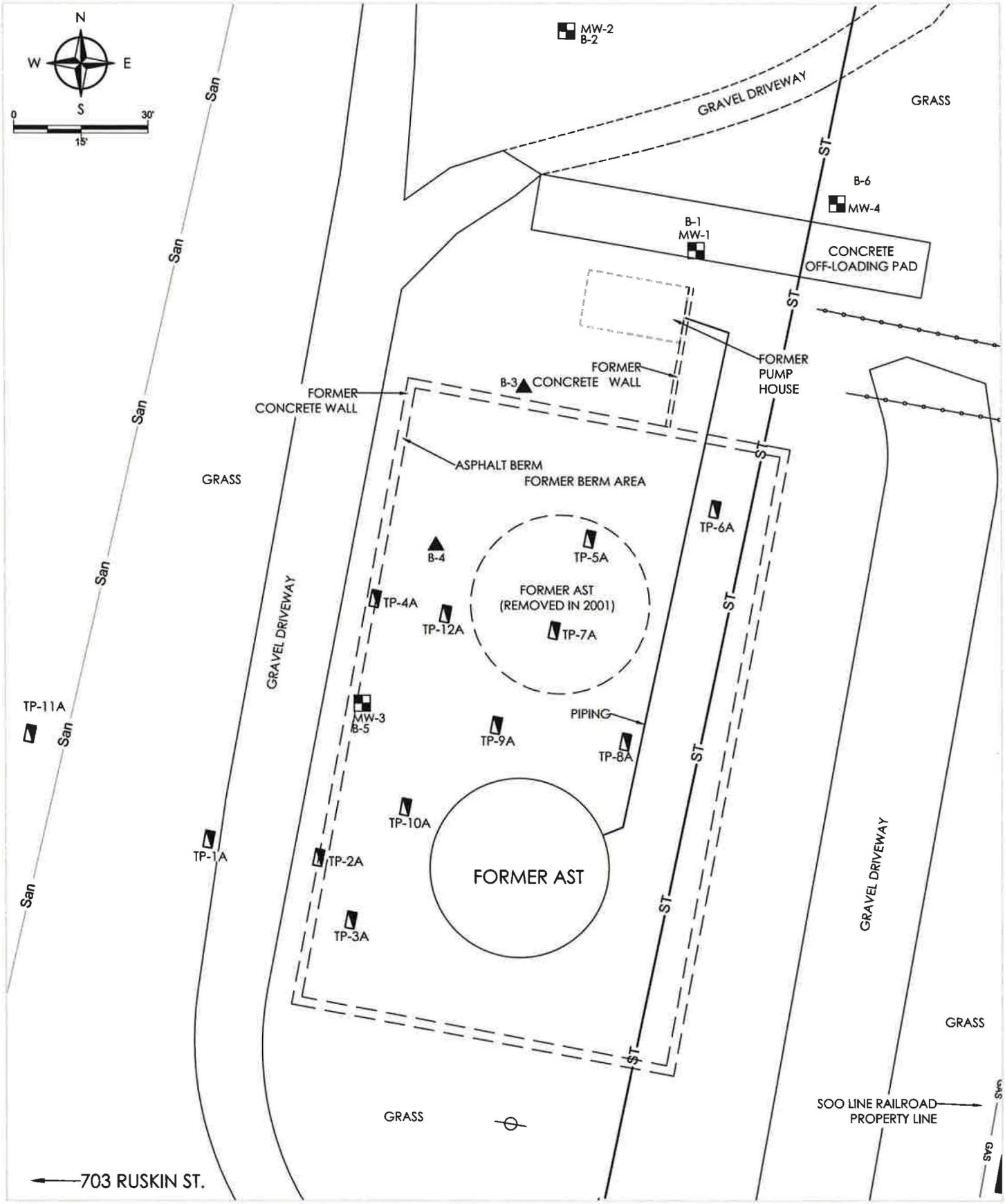
DETAILED SITE MAP

SITE INVESTIGATION
HARTMEYER PROPERTY
2007 ROTH ST.

City of Madison
Dane County, WI

DRAWN BY	KP
REVIEWED BY	LMB
ISSUE DATE	September 2017
GEC FILE NO.	2-0116-47M
SHEET NO.	FIGURE 2

G:\Current Files R-Z\Schaper Excavating\2-0116-47 2016 Environmental Projects\2-0116-47M Kraft Foods - Env. Services\CAD 2-0116-47M\6_ENVIR\2-0116-47M Kraft.dwg, fi2



LEGEND

- APPROXIMATE PROPERTY LINE
- MONITORING WELL LOCATION
- SOIL PROBE LOCATION
- TEST PIT SAMPLE LOCATIONS 6/29/17
- TEST PIT SAMPLE LOCATIONS (9/14/16)

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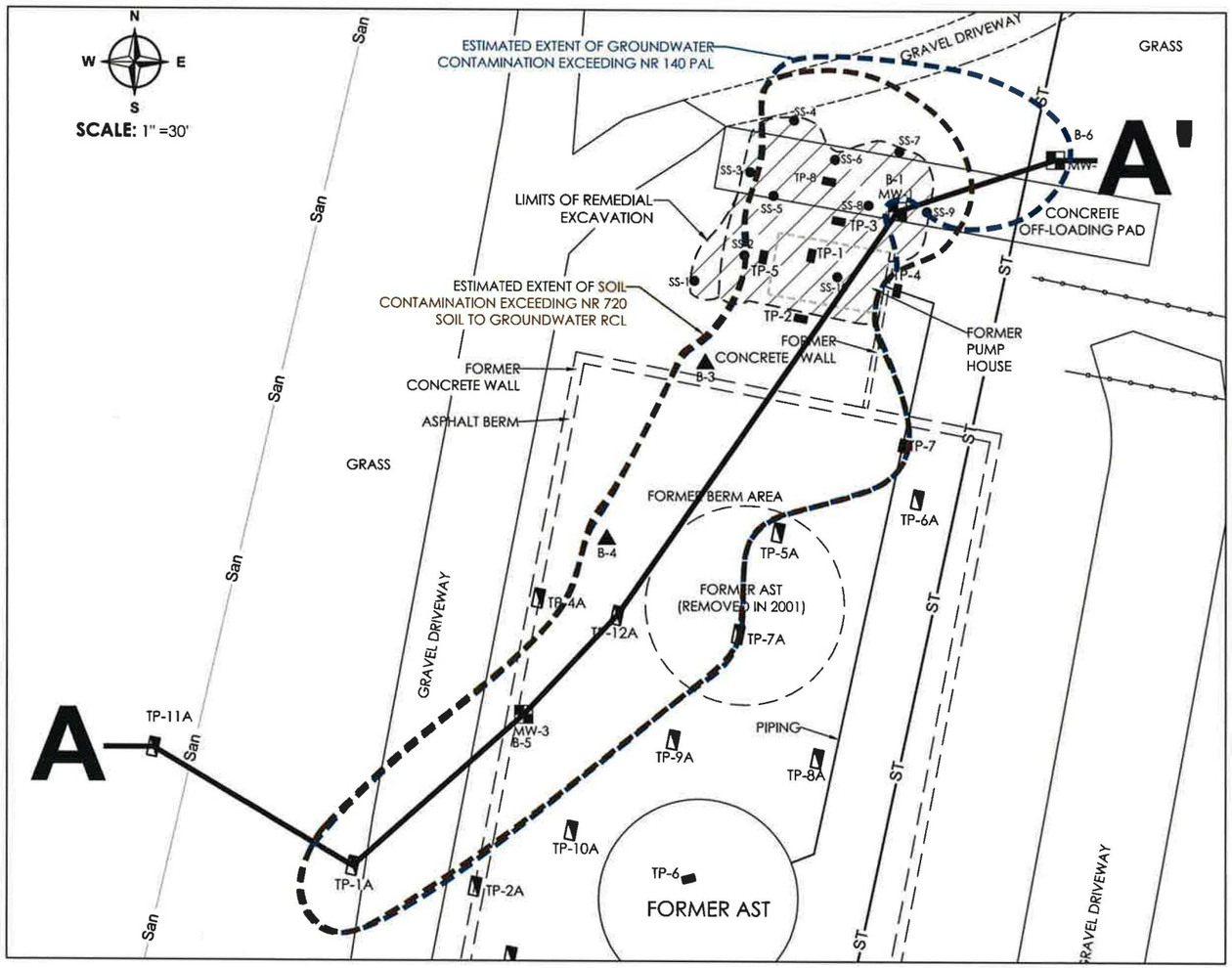
TEST PIT, SOIL PROBE, MONITORING WELL LOCATIONS
SITE INVESTIGATION
HARTMEYER PROPERTY

City of Madison
Dane County, WI

GEC

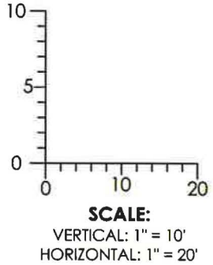
DRAWN BY	KP
REVIEWED BY	LMB
ISSUE DATE	September 2017
GEC FILE NO.	2-0116-47M
SHEET NO.	

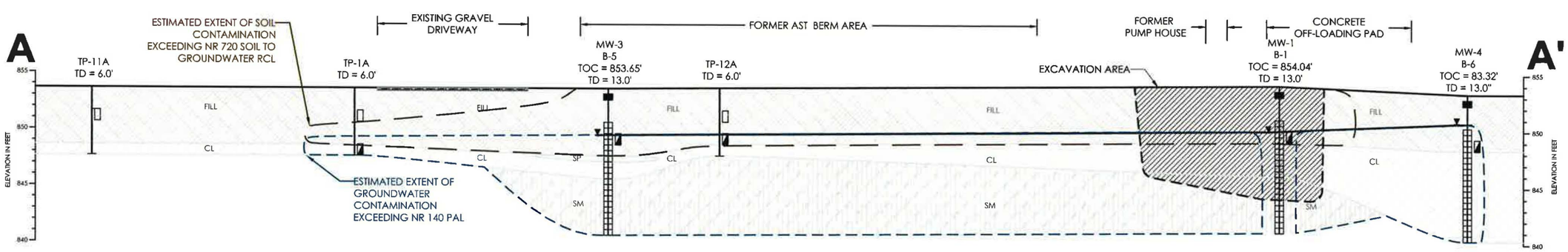
FIGURE 3



EXPLANATION

MONITORING WELL	SOIL DESCRIPTION
TOC - TOP OF WELL CASING MONITORING WELL SOIL SAMPLE LOCATION SOIL SAMPLE EXCEEDING NR 720 NC RCL GROUNDWATER ELEVATIONS (DATE) MONITORING WELL SCREEN TD - TOTAL DEPTH OF BORING	GW — Well graded gravels or gravelly sand mixtures, little or no fines FILL — See Boring Logs SM — Silty sands, sand-silt mixtures SP — Poorly graded Sands or gravelly Sands, little to no fines CL — Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays





GEOLOGIC CROSS-SECTION A-A'
SITE INVESTIGATION
HARTMEYER PROPERTY
2007 ROTH ST.
CITY OF MADISON
DANE COUNTY, WI

APPROXIMATE PROPERTY LINE
TANK EXCAVATION LINE
MONITORING WELL LOCATION
SOIL PROBE LOCATION
TEST PIT SAMPLE LOCATIONS 6/29/17
TEST PIT SAMPLE LOCATIONS (9/14/16)

DRAWN BY	KSP
REVIEWED BY	LMB
ISSUE DATE	September 2017
GEC FILE NO.	2-0118-47M
SHEET NO.	

FIGURE 4

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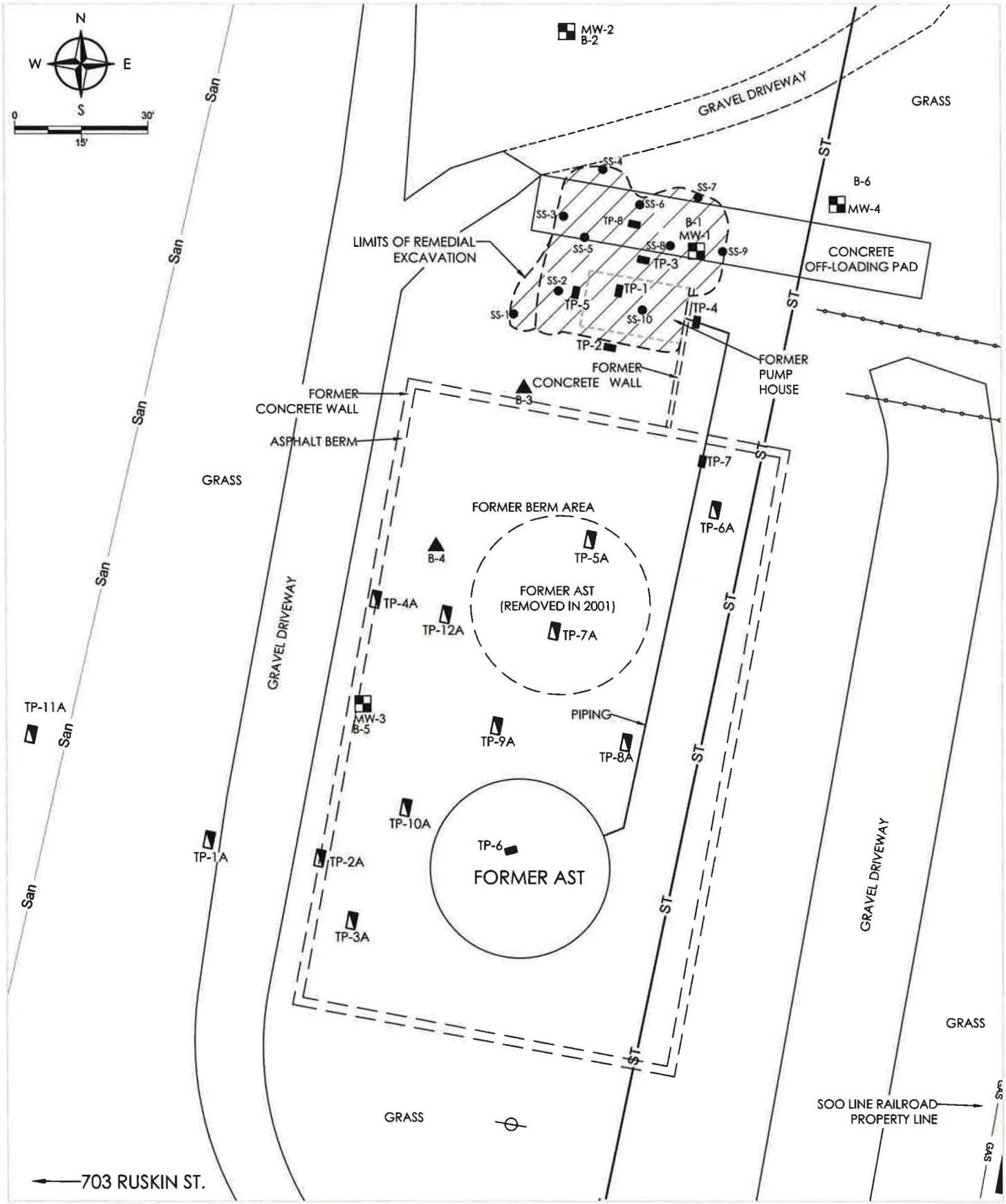

LEGEND

- APPROXIMATE PROPERTY LINE
- TANK EXCAVATION AREA
- MONITORING WELL LOCATION
- SOIL PROBE LOCATION
- TEST PIT SAMPLE LOCATIONS 6/29/17
- TEST PIT SAMPLE LOCATIONS (9/14/16)
- TANK SOIL SAMPLE LOCATIONS

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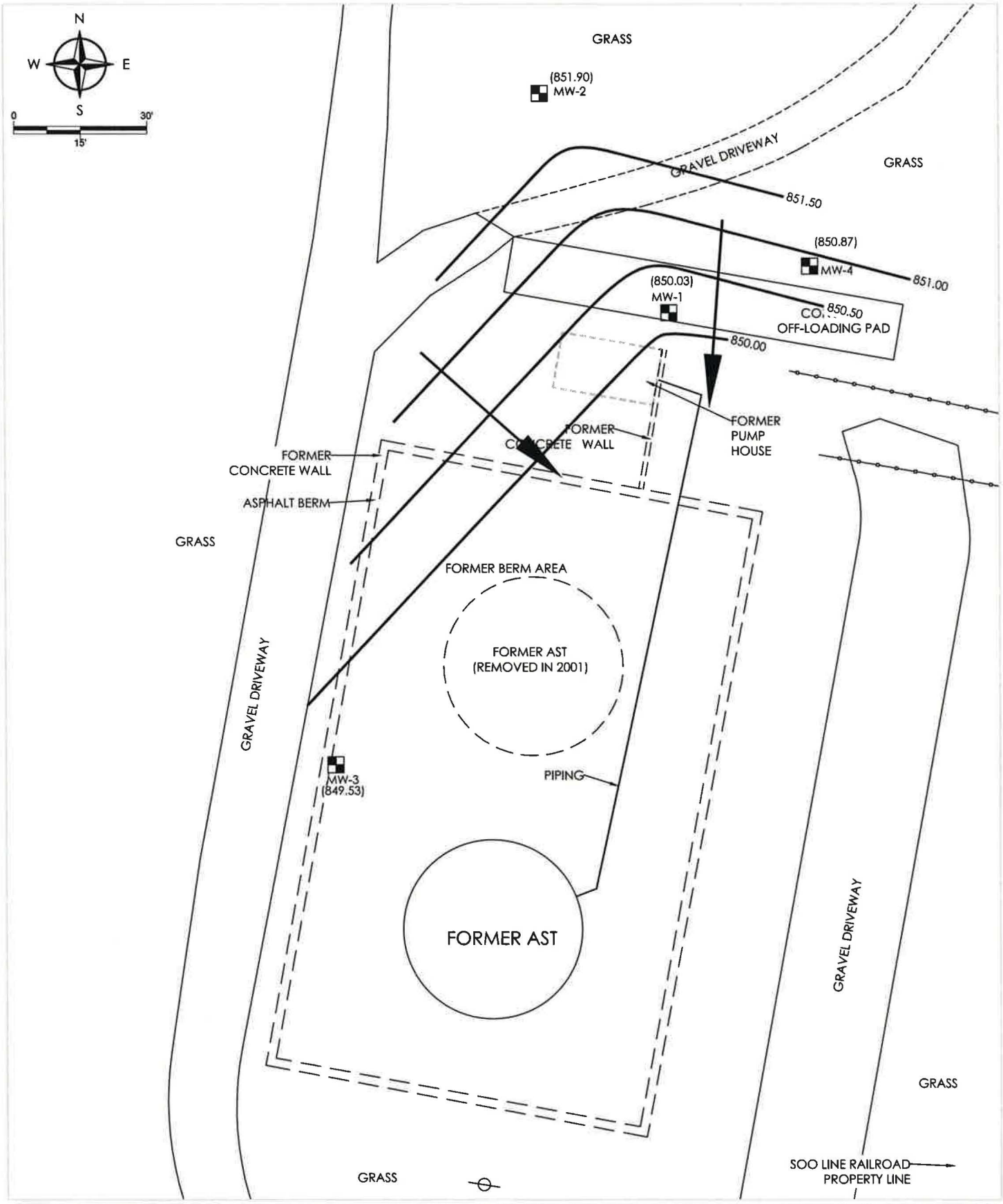
LIMITS OF REMEDIAL EXCAVATION & SOIL SAMPLE LOCATION MAP
SITE INVESTIGATION
HARTMEYER PROPERTY

City of Madison
Dane County, WI

GEC

DRAWN BY	KP
REVIEWED BY	LMB
ISSUE DATE	September 2017
GEC FILE NO.	2-0116-47M
SHEET NO.	

FIGURE 5



LEGEND

APPROXIMATE PROPERTY LINE

MONITORING WELL LOCATION

General Engineering Company

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GROUNDWATER ELEVATION CONTOUR & FLOW DIRECTION MAP - MAY 4, 2017

SITE INVESTIGATION

HARTMEYER PROPERTY

City of Madison

Dane County, WI

DRAWN BY	KP
REVIEWED BY	LMB
ISSUE DATE	May 2017
GEC FILE NO.	2-0116-47M
SHEET NO.	

FIGURE 6

APPENDIX B

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS TABLE
HARTMEYER PROPERTY, MADISON, WISCONSIN
TEST PITS (TP-1 to TP-8)

Sample No. / Sampling Date / Sample Depth (feet)	NC RCL (ug/kg)	C RCL (ug/kg)	Not-To-Exceed D-C RCL (ug/kg)	Soil to Groundwater RCL (ug/kg)	Pump House (TP-1/Landfill) 09/14/16 3 (U)	S Pump House (TP-2) 09/14/16 4-5 (S)	N Pump House (TP-3) 09/14/16 4-5 (S)	E Pump House (TP-4) 09/14/16 4-5 (S)	W Pump House (TP-5) 09/14/16 4-5 (S)	AST (TP-6) 09/14/16 4-5 (S)	Berm (TP-7) 09/14/16 4-5 (S)	Off Load Pad (TP-8) 09/14/16 4-5 (S)
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (ug/kg)												
Benzene	106,000	1,600	1,600	5.1	**222J**	<25	**26.3J**	<25	**27.2J**	<25	**56**	**38J**
Ethylbenzene	4,080,000	8,020	8,020	1,570	<125	<25	460	<25	<25	<25	**98**	117
Methyl tert-butyl ether	22,100,000	63,800	63,800	27	<125	<25	<25	<25	<25	<25	<25	<25
Naphthalene	178,000	5,520	5,520	858	**1,910**	<25	**3,150**	<25	<25	<25	**970**	570
Toluene	5,240,000	NE	818,000	1,107	**170J**	<25	<25	<25	42J	<25	124	97
1,2,4-Trimethylbenzene	373,000	NE	219,000	1,382	1,010	<25	560	<25	<25	<25	111	96
1,3,5-Trimethylbenzene	339,000	NE	182,000	1,382	1,090	<25	**34J**	<25	<25	<25	57	57
Xylenes, -m, -p / Xylenes, -o	818,000	NE	260,000	3,960	464J	<75	37J	<75	<75	<75	237	177

mg/kg = milligrams per kilogram
RCL = Residual Contaminant Level
NC = Non Cancer
C = Cancer
DC = Direct Contact
S=SATURATED U=UNSATURATED
NE = NR 720 RCL not established
J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 NC RCL.
Italic indicated analytical results exceed NR 720 Not- To- Exceed D-C RCL.

TABLE 1
SOIL ANALYTICAL RESULTS TABLE
KRAFT FOODS, MADISON, WISCONSIN
SOIL BORINGS

Sample No.	NC RCL (ug/kg)	C RCL (ug/kg)	Not-To-Exceed D-C RCL (ug/kg)	Soil to Groundwater RCL (ug/kg)	B-2	B-3	B-4	B-5	B-6
Sampling Date					04/28/17	04/28/17	04/28/17	04/28/17	04/28/17
Sample Depth (feet)					4-5 (S)	4-5 (S)	4-5 (S)	4-5 (S)	4-5 (S)
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (ug/kg)									
Benzene	106,000	1,600	1,600	5.1	<25	**203**	**1,260**	**242**	<25
Ethylbenzene	4,080,000	8,020	8,020	1,570	<25	308	**4,100**	590	<25
Methyl tert-butyl ether	22,100,000	63,800	63,800	27	<25	<25	<25	<25	<25
Naphthalene	178,000	5,520	5,520	658	<25	**2,060**	**17,600**	**6,400**	254
Toluene	5,240,000	NE	818,000	1,107	<25	208	930	148	42J
1,2,4-Trimethylbenzene	373,000	NE	219,000	1,382	<25	222	**7,200**	1,250	320
1,3,5-Trimethylbenzene	339,000	NE	182,000	1,382	<25	96	**1,800**	330	67
Xylenes, -m, -p	818,000	NE	260,000	3,960	<75	390	3,580	750	64
Xylenes, -o									

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NC = Non Cancer

C = Cancer

DC = Direct Contact

S=SATURATED U=UNSATURATED

NE = NR 720 RCL not established

J = Analyte detected above laboratory limit of detection but below limit of quantitation.

Bold indicates analytical results exceed NR 720 NC RCL.

Italic indicated analytical results exceed NR 720 Not- To- Exceed D-C RCL.

TABLE 1
SOIL ANALYTICAL RESULTS TABLE
HARTMEYER PROPERTY, MADISON, WISCONSIN
TEST PITS (TP-1A TO TP-12A)

Sample No.	Cancer RCL Non-Industrial (ug/kg)	WDNR Non-Industrial Direct Contact RCL (ug/kg)	WDNR Soil to Groundwater RCL (ug/kg)	TP-1A		TP-2A	TP-3A	TP-4A	TP-5A	TP-6A	TP-7A	TP-8A	TP-9A	TP-10A		TP-11A	TP-12A	
Sampling Date				6/29/2017		6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017		6/29/2017	6/29/2017	
Sample Depth (feet)				2-3'	5-6'	3-4	2-3	4-5	4-5	4-5	4-5	4-5	4-5	2-3	4-5	2-3'	2-3	4-5
Saturated/Unsaturated				US	S	US	US	S	S	S	S	S	S	US	S	US	US	S
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOCs) (µg/kg)																		
Benzene	1,600	1,600	5.1	<25	**380**	<25	<25	<25	<25	<25	57J	<25	<25	<25	<25	<25	<25	**185**
Ethylbenzene	8,020	8,020	1,570	<25	550	38	<25	<25	<25	<25	300	<25	<25	<25	<25	<25	<25	204
Methyl tert-butyl ether	63,800	63,800	27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Naphthalene	5,520	5,520	658	<25	**3,140**	64	<25	<25	<25	<25	550	<25	<25	<25	<25	65J	<25	**4,000**
Toluene	NE	818,000	1,107	<25	480	38	42J	<25	<25	<25	103	<25	<25	<25	<25	41J	34J	296
1,2,4-Trimethylbenzene	NE	219,000	1,382	<25	370	80	<25	<25	<25	<25	110	<25	<25	<25	<25	<25	<25	241
1,3,5-Trimethylbenzene	NE	182,000		<25	145	37	<25	<25	<25	<25	38	<25	<25	<25	<25	<25	<25	98
Xylenes, -m, -p	NE	260,000	3,960	<75	632	158	<75	<75	<75	<75	258	<75	<75	<75	<75	<750	<75	381
Xylenes, -o																		

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL
RCL = Residual Contaminant Level
DCL = Direct-Contact Levels
NA = Parameter not analyzed
NE = NR 720 RCL not established

TABLE 2
GROUNDWATER ANALYTICAL RESULTS TABLE
HARTMEYER PROPERTY
MADISON, WISCONSIN

Monitoring Well	NR 140		Berm Surface Water	Pump House Surface Water	MW-1	MW-2	MW-3	MW-4
Sampling Date	ES	PAL	9/9/2016	9/9/2016	5/4/2017	5/4/2017	5/4/2017	5/4/2017
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) AND DETECTED VOCS (µg/L)								
Benzene	5	0.5	<0.46	<0.46	<0.27	<0.27	*1.29*	<0.27
Ethylbenzene	700	140	<0.73	<0.73	<0.56	<0.56	0.78J	10.2
Methyl tert-butyl ether	60	12	<0.49	<0.49	<0.43	<0.43	<0.43	<0.43
Naphthalene	100	10	<2.6	<2.6	<1.7	<1.7	<0.33	*84*
Toluene	1000	200	<0.39	<0.39	<0.33	<0.33	0.84J	<0.33
1,2,4 -Trimethylbenzene	480	96	<0.68	<0.68	<0.56	<0.56	<0.58	58
1,3,5 -Trimethylbenzene			<0.83	<0.83	<0.58	<0.58	<1.1	8.5
Xylenes, -m, -p	10000	1000	<2.06	<2.06	<1.71	<1.71	<0.61	10.6
Xylenes, -o								

ES = Enforcement Standard
PAL = Preventive Action Limit
ug/L = micrograms per liter
NA = Parameter not analyzed
NE = NR 140 ES not established
J or Q = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results above NR 140 ES

TABLE 3
WATER LEVEL ELEVATIONS
HARTMEYER PROPERTY
MADISON, WISCONSIN

Monitoring Well Number	Top of Well Casing Elevation	Date Measured	Depth to Water (Ft.)	Groundwater Elevation (Ft.)
MW-1	**854.04**	5/4/2017	4.01	850.03
MW-2	**854.88**	5/4/2017	2.98	851.90
MW-3	**853.65**	5/4/2017	4.12	849.53
MW-4	**853.32**	5/4/2017	2.45	850.87

ft = feet
NR=Not recorded

TABLE 4
SUMMARY OF SOIL ANALYTICAL RESULTS
HARTMEYER PROPERTY, MADISON, WISCONSIN
REMEDIAL EXCAVATION

Sample No.	NC RCL (ug/kg)	C RCL (ug/kg)	Not-To-Exceed D-C RCL (ug/kg)	Soil to Groundwater RCL (ug/kg)	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10
Description					SW Wall	SW Bottom	W Wall	NW Wall	W Bottom	N Center WA	NE Wall	NE Bottom	E Wall	Bottom PU
Sampling Date					10/13/16	10/13/16	10/13/16	10/13/16	10/13/16	10/13/16	10/13/16	10/13/16	10/13/16	10/13/16
Sample Depth (feet)					5 (S)	8 (S)	5 (S)	6 (S)	8 (S)	6 (S)	7 (S)	10 (S)	6 (S)	10 (S)
PETROLEUM VOLATILE ORGANIC COMPOUNDS (PVOC) (ug/kg)														
Benzene	111,000	1,620	1,620	5.1	<25	<25	<25	**41J**	<25	**76.0**	<25	<125	<25	<25
Ethylbenzene	4,200,000	8,020	8,020	1,570	<25	<25	<25	340	73	380	<25	<125	53	109
Methyl tert-butyl ether	23,800,000	63,800	63,800	27	<25	<25	<25	<25	<25	<25	<25	<125	<25	<25
Naphthalene	188,000	5,520	5,520	658	<25	<25	207	**2,970**	**3,200**	**1,730**	***19,700***	***6,400***	**1,880**	390
Toluene	5,300,000	NE	818,000	1,107	<25	<25	<25	125	<25	72	<25	<125	<25	<25
1,2,4-Trimethylbenzene	89,800	NE	219,000	1,382	<25	<25	74	350	1,300	**1,820**	**1,690**	**1,630**	223	740
1,3,5-Trimethylbenzene	782,000	NE	182,000	1,382	<25	<25	<25	162	86	290	920	244	239	183
Xylenes, -m, -p Xylenes, -o	890,000	NE	258,000	3,940	<75	<75	<75	401	200	729	1,350	419J	183	408

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NC = Non Cancer

C = Cancer

DC = Direct Contact

S=SATURATED U=UNSATURATED

NE = NR 720 RCL not established

J = Analyte detected above laboratory limit of detection but below limit of quantitatio

Bold indicates analytical results exceed NR 720 RCL.

Italic indicated analytical results exceed NR 720 Not- To- Exceed D-C RCL.

APPENDIX C

TEST PIT LOGS

State of Wisconsin
Department of Natural Resources

Route To:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Wastewater
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resources
- ☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP- 1

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	4" CONCRETE									
1 / -1.0	Brown to gray **SAND & GRAVEL** with pieces of asphalt and cinders, moist (FILL)									
	Grayish brown, Silty **SAND** with gravel, asphalt, cinders and wood, moist (FILL)		Fill							Lab sample
5 / -5.0	**END OF TEST PIT @ 5.0'**									
10 / -10.0										

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

Signature: Lynn Bradley

Lynn Bradley

Firm: **General Engineering Company**
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Wastewater
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resources
- ☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP- 2

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty **SAND** with gravel, asphalt, cinders and wood pieces, moist (FILL)		Fill							Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									

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

Signature Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Wastewater
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resources
- ☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP- 3

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty **SAND** with gravel, asphalt, cinders and wood pieces, moist (FILL)		Fill							
-5.0	**END OF TEST PIT @ 5.0'**									Lab sample

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

Signature Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP- 4

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	–

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy SILT, moist (Topsoil)									
-1.0	Brown, Silty, SAND with gravel, traces asphalt and wood, moist (FILL)									
-2.0	Brown, Sandy SILT, trace gravel and asphalt, moist (FILL)									
-3.0			Fill							
-4.0										Lab sample
-5.0	END OF TEST PIT @ 5.0'									
-6.0										
-7.0										
-8.0										
-9.0										
-10.0										
-11.0										
-12.0										
-13.0										
-14.0										

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

Signature: Lynn Bradley — Lynn Bradley — Firm: **General Engineering Company**
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP- 5

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E		DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E	Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty, **SAND** with gravel, traces asphalt and wood, moist (FILL)									
-2.0	Brown, Sandy SILT, trace gravel and asphalt, moist (FILL)		Fill							
-5.0	**END OF TEST PIT @ 5.0'**									Lab sample

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

Signature: Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP- 6

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty, Sandy **GRAVEL**, moist (FILL)									
-2.0	Light brown **SAND** with gravel and buried topsoil, moist (FILL)									
-3.0	Reddishbrown, Silty **CLAY** with layers of brown sand, wood and bricks, moist (FILL)		Fill							
-4.0										Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									
-6.0										
-7.0										
-8.0										
-9.0										
-10.0										
-11.0										
-12.0										
-13.0										
-14.0										

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

Signature: Lynn Bradley Firm: **General Engineering Company**
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP-7

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
1 / -1.0	Brown, Silty, Sandy **GRAVEL**, with asphalt chunks, moist (FILL)									
2 / -2.0	Brown, Sandy **SILT** with asphalt chunks, moist (FILL)									
3 / -3.0			Fill							
4 / -4.0										Lab sample
5 / -5.0	**END OF TEST PIT @ 5.0'**									
6 / -6.0										
7 / -7.0										
8 / -8.0										
9 / -9.0										
10 / -10.0										
11 / -11.0										
12 / -12.0										
13 / -13.0										
14 / -14.0										

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

Signature: Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	**TP-8**

Boring Drilled By (Firm name and name of crew chi	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
9/14/2016	9/14/2016	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	4" CONCRETE									
-1.0	Brown to gray **SAND & GRAVEL** with pieces of asphalt and cinders, moist (FILL)									
-2.0	Grayish brown, Silty **SAND** with gravel, asphalt, cinders and wood, moist (FILL)		Fill							
-3.0										
-4.0										Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									
-6.0										
-7.0										
-8.0										
-9.0										
-10.0										
-11.0										
-12.0										
-13.0										
-14.0										

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General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	**TP 1A**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, coarse **SAND** with gravel and wood pieces, moist (FILL)		Fill					No	0	Lab sample
-4.0	Brown, Silty **SAND** with wood pieces, moist to wet (FILL)									
-5.0	Brown, Silty **SAND** with wood pieces, wet (FILL)									Lab sample
-6.0	**END OF TEST PIT @ 6.0'**									

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General Engineering Company
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Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 2A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Black, Silty **SAND**, moist (Topsoil)									
-1.0	Brown, coarse **SAND** with brick, rocks and roots, moist (FILL)		Fill					No	0	
-4.0										Lab sample
-4.0	**END OF TEST PIT @ 4.0'**									

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General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 3A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Black, Silty **SAND**, moist (Topsoil)									
-1.0	Brown, coarse **SAND** with bricks and rocks, moist (FILL)		Fill					No	0	Lab sample
-3.0	**END OF TEST PIT @ 3.0'**									

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Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 4A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E		DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E	Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy SILT, moist (Topsoil)									
-1.0	Brown, Silty, Sandy GRAVEL with asphalt chunks, moist									
-2.0	Brown, SANDY SILT with asphalt chunks,moist (FILL)		Fill					No	0	
-4.0										Lab sample
-5.0	END OF TEST PIT @ 5.0'									

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

Signature: Lynn Bradley — Lynn Bradley

Firm: **General Engineering Company**
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 5A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy SILT, moist (Topsoil)									
-1.0	Brown, Silty, Sandy **GRAVEL** with asphalt chunks, moist									
-2.0	Brown, SANDY **SILT** with asphalt chunks,moist (FILL)		Fill					No	0	
-4.0										Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									

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

Signature: Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 6A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty, Sandy **GRAVEL** with asphalt chunks, moist									
-2.0	Brown, SANDY **SILT** with asphalt chunks,moist (FILL)		Fill					No	0	
-4.0										Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									

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

Signature: Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 7A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E		DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E	Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty, Sandy **GRAVEL**, moist									
-2.0	Light brown **SAND** with gravel and buried topsoil, moist (FILL)		Fill					No	0	
-3.0	Brown, coarse **SAND**, moist									
-4.0	Gray, Silty **CLAY** with layers of brown sand and black, silty sand, moist									Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									
-6.0										
-7.0										
-8.0										
-9.0										
-10.0										
-11.0										
-12.0										
-13.0										
-14.0										

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

Signature: Lynn Bradley — Lynn Bradley — Firm: **General Engineering Company**
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 8A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E		DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E	Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty, Sandy **GRAVEL**, moist									
-2.0	Light brown **SAND** with gravel and buried topsoil, moist (FILL)		Fill					No	0	
-3.0	Brown, coarse **SAND**, moist									
-4.0	Gray, Silty **CLAY** with layers of brown sand and black, silty sand, moist									Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									

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

Signature: Lynn Bradley

Lynn Bradley

Firm: **General Engineering Company**
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
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☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 9A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E		DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E	Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty, Sandy **GRAVEL**, moist									
-2.0	Light brown **SAND** with gravel and buried topsoil, moist (FILL)		Fill					No	0	
-3.0	Brown, coarse **SAND**, moist									
-4.0	Gray, Silty **CLAY** with layers of brown sand and black, silty sand, moist									Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									

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

Signature: Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
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☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
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Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	**TP 10A**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E		DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E	Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Brown, Silty, Sandy **GRAVEL**, moist									Lab sample
-2.0	Light brown **SAND** with gravel and buried topsoil, moist (FILL)		Fill					No	0	
-3.0	Reddish brown , Silty **CLAY** with layers of brown sand, wood and bricks, moist									
-4.0										Lab sample
-5.0	**END OF TEST PIT @ 5.0'**									
-6.0										
-7.0										
-8.0										
-9.0										
-10.0										
-11.0										
-12.0										
-13.0										
-14.0										

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☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 11A

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
Schaper Excavating and Petroleum	Excavated	--

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	DNR County Code
6/29/2017	6/29/2017	SE-SW, Section 31, T8N, R10E Lat 43.10851 N Long -89.35949 W	13

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet S Feet W	Dane	Madison

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N Value	Odor	PID	Remarks
0	Grass with 6" Dark brown, Sandy **SILT**, moist (Topsoil)									
-1.0	Black, Silty **SAND** with metal pipe and wood, moist (FILL)		Fill					No	0	Lab sample
-4.0	Brown, coarse **SAND, moist** (FILL)									
-5.0	Reddish brown, Silty **CLAY**, moist		CL							
-6.0	**END OF TEST PIT @ 6.0'**									

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

Signature: Lynn Bradley Lynn Bradley

Firm: **General Engineering Company**
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste
☐ Emergency Response
☐ Wastewater
☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility / Project Name	License /Permit /Monitoring / GEC Project No.	Boring Number
Hartmeyer Property / Kraft - Heinz	2-0116-47M	TP 11A

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-6.0	**END OF TEST PIT @ 6.0'**									

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

Signature: Lynn Bradley Lynn Bradley Firm

General Engineering Company
916 Silver Lake Dr., P.O. BOX 340
Portage WI 53901

APPENDIX D

SOIL AND GROUNDWATER ANALYTICAL

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # No 292

Page ____ of ____

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

Lab I.D. #			
Account No. :	Quote No.:		
Project #: Hartmeyer / Schaefer			
Sampler: (signature)			
Project (Name / Location): Hartmeyer			
Reports To: Lynn Bradley	Invoice To:		
Company GEC	Company GEC		
Address 916 Silver Lake Drive	Address		
City State Zip Portage WI 53901	City State Zip		
Phone 608-742-2169	Phone		
FAX 608-742-2592	FAX		

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503190 6A	SS-1 SW Wall	10/13	15:00	✓		N	2	S	Methanol
B	SS 2 SW Bottom		15:45	✓					
C	SS 3 W Wall		16:00	✓					
D	SS 4 NW Wall		16:20						
E	SS 5 W Bottom		16:50						
F	SS 6 N Center Wall		17:05						
G	SS 7 NE Wall		17:25						
H	SS 8 NE Bottom		17:35						
I	SS 9 E Wall		18:00						
J	SS 10 Bottom Replica		18:10						

Analysis Requested | **Other Analysis**

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								PID/ FID
								✓													
								/													
								/													
								/													
								/													
								/													
								/													
								/													
								/													
								/													

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

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Client
Temp. of Temp. Blank ____ °C On Ice: ____
Cooler seal intact upon receipt: ____ Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1:25	10/14/16			

Received in Laboratory By: [signature] Time: 830 Date: 10/14/16

Synergy Environmental Lab, INC.

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

LYNN BRADLEY
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE. WI 53901

Report Date *27-Oct-16*

Project Name HARTMEYER **Invoice #** E31906
Project #

Lab Code 5031906A
Sample ID SS-1 SW WALL
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	61.8	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		10/19/2016	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		10/19/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/19/2016	CJR	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		10/19/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		10/19/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		10/19/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		10/19/2016	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		10/19/2016	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		10/19/2016	CJR	1

Project Name HARTMEYER **Invoice #** E31906
Project #

Lab Code 5031906B
Sample ID SS-2 SW BOTTOM
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	77.3	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		10/19/2016	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		10/19/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/19/2016	CJR	1
Naphthalene	< 0.025	mg/kg	0.0094	0.03	1	GRO95/8021		10/19/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		10/19/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		10/19/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		10/19/2016	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		10/19/2016	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		10/19/2016	CJR	1

Lab Code 5031906C
Sample ID SS-3 W WALL
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	73.4	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		10/19/2016	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		10/19/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/19/2016	CJR	1
Naphthalene	0.207	mg/kg	0.0094	0.03	1	GRO95/8021		10/19/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		10/19/2016	CJR	1
1,2,4-Trimethylbenzene	0.074	mg/kg	0.011	0.036	1	GRO95/8021		10/19/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021		10/19/2016	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021		10/19/2016	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021		10/19/2016	CJR	1

Project Name HARTMEYER **Invoice #** E31906
Project #

Lab Code 5031906D
Sample ID SS-4 NW WALL
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	74.3	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.041 "J"	mg/kg	0.014	0.046	1	GRO95/8021		10/19/2016	CJR	1
Ethylbenzene	0.34	mg/kg	0.014	0.045	1	GRO95/8021		10/19/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/19/2016	CJR	1
Naphthalene	2.97	mg/kg	0.0094	0.03	1	GRO95/8021		10/19/2016	CJR	1
Toluene	0.125	mg/kg	0.015	0.048	1	GRO95/8021		10/19/2016	CJR	1
1,2,4-Trimethylbenzene	0.35	mg/kg	0.011	0.036	1	GRO95/8021		10/19/2016	CJR	1
1,3,5-Trimethylbenzene	0.162	mg/kg	0.012	0.038	1	GRO95/8021		10/19/2016	CJR	1
m&p-Xylene	0.215	mg/kg	0.023	0.074	1	GRO95/8021		10/19/2016	CJR	1
o-Xylene	0.186	mg/kg	0.024	0.078	1	GRO95/8021		10/19/2016	CJR	1

Lab Code 5031906E
Sample ID SS-5 W BOTTOM
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	76.9	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		10/19/2016	CJR	1
Ethylbenzene	0.073	mg/kg	0.014	0.045	1	GRO95/8021		10/19/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/19/2016	CJR	1
Naphthalene	3.2	mg/kg	0.0094	0.03	1	GRO95/8021		10/19/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		10/19/2016	CJR	1
1,2,4-Trimethylbenzene	1.3	mg/kg	0.011	0.036	1	GRO95/8021		10/19/2016	CJR	1
1,3,5-Trimethylbenzene	0.086	mg/kg	0.012	0.038	1	GRO95/8021		10/19/2016	CJR	1
m&p-Xylene	0.116	mg/kg	0.023	0.074	1	GRO95/8021		10/19/2016	CJR	1
o-Xylene	0.084	mg/kg	0.024	0.078	1	GRO95/8021		10/19/2016	CJR	1

Project Name HARTMEYER **Invoice #** E31906
Project #

Lab Code 5031906F
Sample ID SS-6 N CENTER WA
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	53.7	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.076	mg/kg	0.014	0.046	1	GRO95/8021		10/19/2016	CJR	1
Ethylbenzene	0.38	mg/kg	0.014	0.045	1	GRO95/8021		10/19/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/19/2016	CJR	1
Naphthalene	1.73	mg/kg	0.0094	0.03	1	GRO95/8021		10/19/2016	CJR	1
Toluene	0.072	mg/kg	0.015	0.048	1	GRO95/8021		10/19/2016	CJR	1
1,2,4-Trimethylbenzene	1.82	mg/kg	0.011	0.036	1	GRO95/8021		10/19/2016	CJR	1
1,3,5-Trimethylbenzene	0.29	mg/kg	0.012	0.038	1	GRO95/8021		10/19/2016	CJR	1
m&p-Xylene	0.51	mg/kg	0.023	0.074	1	GRO95/8021		10/19/2016	CJR	1
o-Xylene	0.219	mg/kg	0.024	0.078	1	GRO95/8021		10/19/2016	CJR	1

Lab Code 5031906G
Sample ID SS-7 NE WALL
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	43.3	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.25	mg/kg	0.14	0.46	10	GRO95/8021		10/25/2016	CJR	1
Ethylbenzene	< 0.25	mg/kg	0.14	0.45	10	GRO95/8021		10/25/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.25	mg/kg	0.13	0.41	10	GRO95/8021		10/25/2016	CJR	1
Naphthalene	19.7	mg/kg	0.094	0.3	10	GRO95/8021		10/25/2016	CJR	1
Toluene	< 0.25	mg/kg	0.15	0.48	10	GRO95/8021		10/25/2016	CJR	1
1,2,4-Trimethylbenzene	1.69	mg/kg	0.11	0.36	10	GRO95/8021		10/25/2016	CJR	1
1,3,5-Trimethylbenzene	0.92	mg/kg	0.12	0.38	10	GRO95/8021		10/25/2016	CJR	1
m&p-Xylene	< 0.5	mg/kg	0.23	0.74	10	GRO95/8021		10/25/2016	CJR	1
o-Xylene	1.35	mg/kg	0.24	0.78	10	GRO95/8021		10/25/2016	CJR	1

Project Name HARTMEYER **Invoice #** E31906
Proiect #

Lab Code 5031906H
Sample ID SS-8 NE BOTTOM
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	74.3	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.125	mg/kg	0.07	0.23	5	GRO95/8021		10/25/2016	CJR	1
Ethylbenzene	< 0.125	mg/kg	0.07	0.225	5	GRO95/8021		10/25/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.125	mg/kg	0.065	0.205	5	GRO95/8021		10/25/2016	CJR	1
Naphthalene	6.4	mg/kg	0.047	0.15	5	GRO95/8021		10/25/2016	CJR	1
Toluene	< 0.125	mg/kg	0.075	0.24	5	GRO95/8021		10/25/2016	CJR	1
1,2,4-Trimethylbenzene	1.63	mg/kg	0.055	0.18	5	GRO95/8021		10/25/2016	CJR	1
1,3,5-Trimethylbenzene	0.244	mg/kg	0.06	0.19	5	GRO95/8021		10/25/2016	CJR	1
m&p-Xylene	0.294 "J"	mg/kg	0.115	0.37	5	GRO95/8021		10/25/2016	CJR	1
o-Xylene	< 0.125	mg/kg	0.12	0.39	5	GRO95/8021		10/25/2016	CJR	1

Lab Code 5031906I
Sample ID SS-9 E WALL
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	71.0	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		10/27/2016	CJR	1
Ethylbenzene	0.053	mg/kg	0.014	0.045	1	GRO95/8021		10/27/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/27/2016	CJR	1
Naphthalene	1.88	mg/kg	0.0094	0.03	1	GRO95/8021		10/27/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		10/27/2016	CJR	1
1,2,4-Trimethylbenzene	0.223	mg/kg	0.011	0.036	1	GRO95/8021		10/27/2016	CJR	1
1,3,5-Trimethylbenzene	0.239	mg/kg	0.012	0.038	1	GRO95/8021		10/27/2016	CJR	1
m&p-Xylene	0.102	mg/kg	0.023	0.074	1	GRO95/8021		10/27/2016	CJR	1
o-Xylene	0.081	mg/kg	0.024	0.078	1	GRO95/8021		10/27/2016	CJR	1

Project Name HARTMEYER **Invoice #** E31906
Project #

Lab Code 5031906J
Sample ID SS-10 BOTTOM PU
Sample Matrix Soil
Sample Date 10/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	72.1	%			1	5021		10/17/2016	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		10/25/2016	CJR	1
Ethylbenzene	0.109	mg/kg	0.014	0.045	1	GRO95/8021		10/25/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		10/25/2016	CJR	1
Naphthalene	0.39	mg/kg	0.0094	0.03	1	GRO95/8021		10/25/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021		10/25/2016	CJR	1
1,2,4-Trimethylbenzene	0.74	mg/kg	0.011	0.036	1	GRO95/8021		10/25/2016	CJR	1
1,3,5-Trimethylbenzene	0.183	mg/kg	0.012	0.038	1	GRO95/8021		10/25/2016	CJR	1
m&p-Xylene	0.312	mg/kg	0.023	0.074	1	GRO95/8021		10/25/2016	CJR	1
o-Xylene	0.096	mg/kg	0.024	0.078	1	GRO95/8021		10/25/2016	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