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Engineers • Consultants • Inspectors

April 6, 2021

Ms. Roxanne Chronert
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313

RE: SITE INVESTIGATION REPORT
Former Neighborhood Cleaners
611 West Northland Avenue
Appleton, Wisconsin
GEC Project Number: 2-0120-82
BRRTS No. 02-45-585245

Dear Ms. Chronert:

General Engineering Company has completed this Site Investigation Report for the Former Neighborhood Cleaners property formerly located at 611 West Northland Avenue, Appleton, 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

Engineers • Consultants • Inspectors

SITE INVESTIGATION REPORT

For

FORMER NEIGHBORHOOD CLEANERS

Located at

611 WEST NORTHLAND AVENUE
CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN

April 6, 2021

Prepared by:

GENERAL ENGINEERING COMPANY
916 Silver Lake Drive
PO Box 340
Phone: (608) 742-2169
GEC Project No.: 2-0120-82

Client:

R LEWIS & R LEWIS, LLC
c/o Rebecca Lewis
P.O. Box 22190
Green Bay, Wisconsin 54305

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1.0 EXECUTIVE SUMMARY AND SUBMITTAL CERTIFICATION

General Engineering Company (GEC) has performed a site investigation for the Former Neighborhood Cleaners property located at 611 West Northland Avenue, in the City of Appleton, Outagamie County, Wisconsin (Site). A Site Location Map is shown on Figure 1, Appendix A. The site investigation activities were completed due to a release from a former dry cleaner facility that operated within the eastern end of the former building on the Site during a brief period in the early 1990s. A Former Site Plan is shown on Figure 2, Appendix A. The release was identified as a result of a partial Phase I Environmental Site Assessment (ESA), and two phases of a Limited Phase II ESA that were completed by GEC for GB Real Estate Investments, LLC, prior to the planned construction of an Aldi grocery store on the Site. These activities are discussed in detail in the background section of this report. The former multi-tenant building on the Site was demolished in May of 2020 and a new Aldi grocery store was constructed on the Site in 2020. A Current Site Plan is shown on Figure 2A, Appendix A.

As a result of several recognized environmental conditions (RECs) identified during the prior partial Phase I ESA, the scope of the initial Limited Phase II ESA and geotechnical activities (performed for the planned Aldi grocery store construction) included the advancement of 18 total soil borings, 9 of which were evaluated for environmental purposes including B-1, B-2, and B-12 to B-18. On October 29, 2019, GEC was present to oversee the advancement of soil borings B-1, B-2, and B-12 to B-18. Soil borings B-1, B-12, B-14, and B-17 were converted to temporary monitoring wells TW-1 to TW-4 to depths of 15 feet below ground surface (bgs). The soil borings were performed by Gestra Engineering, Inc. (Gestra) of Milwaukee, Wisconsin. Soil boring and temporary well locations are shown on Figure 3, Appendix A.

Soil samples were collected from B-1, B-12 to B-16, and B-18 and submitted for laboratory analysis for the presence of volatile organic compounds (VOCs). Groundwater samples were collected from temporary wells TW-1 to TW-4 and the open borehole in B-2 during October/November of 2019, and submitted for laboratory analysis for the presence of VOCs. The soil sample collected from the B-1 at a depth of 4.5 to 6 feet bgs reported tetrachloroethene (PCE) at a concentration of 151 micrograms per kilogram (µg/kg), which exceeded its Wisconsin Administrative Code Chapter (WAC) NR 720 soil to groundwater residual contaminant level (RCL) of 4.5 µg/kg. None of the other soil samples reported detectable concentrations of VOCs. The groundwater samples collected from temporary wells TW-1 and TW-4 reported PCE at concentrations of 0.69J micrograms per liter (µg/L) and 0.87J µg/L, respectively, which exceeded the WAC NR 140 preventive action limit (PAL) of 0.5 µg/L for PCE. No other VOCs were detected at concentrations exceeding their respective standards at any of the other test locations. All soil and groundwater results are summarized on Tables 1 and 2, respectively, Appendix A.

GEC prepared a Limited Phase II ESA Report, dated December 3, 2019, and recommended that additional Phase II ESA work be performed near B-1, TW-1, and TW-4 to further evaluate the identified soil and groundwater contamination. GEC was subsequently contracted by the current owner the Site (R Lewis and R Lewis, LLC) to perform additional Phase II ESA work.

On January 13, 2020, GEC was present on-site to oversee the advancement of soil probes GP-19 to GP-27. Soil probes GP-19, GP-20, GP-21, GP-23, GP-24, and GP-26 were converted to small diameter monitoring wells designated TW-5 to TW-10, respectively, to depths of 15 feet bgs. The soil probes were performed by On-Site Environmental Services of Sun Prairie,

Wisconsin. The soil probe and small diameter monitoring well locations are shown on Figure 3, Appendix A.

The soil samples collected from GP-24 at a depth of 6 to 7 feet bgs; GP-25 at a depth of 2 to 3 feet bgs, and GP-26 at a depth of 6 to 7 feet bgs reported PCE at concentrations of 135 µg/kg, 79J µg/kg, and 64J µg/kg, respectively, exceeding its NR 720 soil to groundwater RCL of 4.5 µg/kg. The soil samples collected from GP-24 at a depth of 3 to 4 feet bgs and GP-25 at a depth of 2 to 3 feet bgs reported trichloroethene (TCE) at concentrations ranging from 42J µg/kg to 98J µg/kg, respectively, exceeding its NR 720 soil to groundwater RCL of 3.6 µg/kg. None of the other soil sample reported detectable concentrations of VOCs.

Groundwater samples were collected from small diameter wells TW-5 to TW-10 on January 17, 2020. The groundwater samples collected from small diameter wells TW-8, TW-9, and TW-10 reported PCE at concentrations of 76 µg/L, 166 µg/L, and 22.5 µg/L, respectively, which exceeded its respective WAC NR 140 enforcement standard (ES) of 5 µg/L. The groundwater samples collected from TW-8, TW-9, and TW-10 also reported TCE at concentrations of 1.32 µg/L, 1.68 µg/L, and 0.67J µg/L, respectively, which exceeded its WAC NR 140 PAL of 0.5 µg/L. No other VOCs were detected at concentrations exceeding their respective standards at any of the other test locations.

GEC notified the Wisconsin Department of Natural Resources (WDNR) of the contamination within a Limited Phase II ESA Update, dated January 30, 2020. Due to the planned construction of the Aldi building, it was recommended that the additional investigation (soil borings and monitoring wells) not commence until the construction of the Aldi building had been completed and that an additional round of groundwater samples be collected from small diameter monitoring wells TW-5 to TW-10. The scope of work recommended in the Limited Phase II ESA Update was formally submitted to the WDNR by GEC in a Work Plan dated February 6, 2020. The site investigation and remedial activities discussed below were subsequently performed.

Groundwater samples were collected from small diameter wells TW-5 to TW-10 on April 15, 2020. The groundwater samples collected from TW-6, TW-8, TW-9, and TW-10 reported PCE at concentrations of 5.1 µg/L, 78 µg/L, 153 µg/L, and 13.9 µg/L, respectively, which exceeded their respective NR 140 ES of 5 µg/L. The groundwater sample collected from TW-7 reported vinyl chloride at a concentration of 0.27 J µg/L, which exceeded its WAC NR 140 ES of 0.2 µg/L. The groundwater samples collected from TW-6. TW-8, and TW-9 also reported TCE at concentrations of 0.55J µg/L, 1.32J µg/L, and 3.2 µg/L, respectively, which exceed its NR 140 PAL of 0.5 µg/L.

The excavation of 10 test pits (TP-1 to TP-10) was observed by GEC on May 22, 2020. The test pits were performed by Bayland Excavating, Inc. of Green Bay, Wisconsin under the direction of GEC. The soil sampling results from the test pits and Phase II ESA soil borings and probes were utilized to determine soils that would be transported to the landfill for proper disposal during the construction activities. The test pit locations are shown on Figure 3, Appendix A. The soil samples collected from test pits TP-2 (1-foot and 5 feet bgs), TP-3 (5 feet bgs), TP-4 (5 feet bgs), TP-5 (2 feet bgs), TP-8 (2 feet bgs), and TP-10 (3 feet bgs) reported PCE at concentrations ranging from 32J µg/kg to 370 µg/kg, exceeding its WAC NR 720 soil to groundwater RCL of 4.5 µg/kg. None of the other test pit soil samples reported detectable concentrations of VOCs.

On June 1 and 3, 2020, GEC oversaw the excavation of 1000.97 tons of chlorinated volatile organic compound (CVOC) contaminated soils. Excavation activities were performed by Bayland Excavating, Inc. Affected soils identified during the Limited Phase II ESA and performance of the test pits were transported to Waste Management's Ridgeview Landfill in Whitelaw, Wisconsin for proper disposal. The limits of the remedial soil excavation are shown on Figure 4, Appendix A

During August to November of 2020 American Radon Reduction designed and installed a sub-slab vapor mitigation system at the Site. The system consists of 5 separate runs of corrugated, 4-inch diameter drain tile piping traversing most of the area beneath the floor slab of the new building. The piping was bedded in approximately 10-12 inches of ¾-inch clear stone, prior to placement of the concrete floor slab. Each horizontal run of sub-slab piping is connected to a vertical run of Schedule 40, 4-inch diameter polyvinyl chloride (PVC) pipe along the east end of the building that extends from the concrete surface to a "Radon Away" electric fan blower, followed by an additional PVC run that vents above the roof line. The vapor mitigation system layout is shown on Figure 5, Appendix A.

Seven soil borings (MW-1 to MW-6 and PZ-1) were advanced on the Site on November 2 and 3, 2020. The borings were converted to WAC NR 141 compliant monitoring wells designated MW-1 to MW-6 and piezometer PZ-1, respectively. Soil samples collected from the soil borings and groundwater samples collected on December 2, 2020 and March 16, 2021, did not report detectable concentrations of VOCs.

Soils at the Site generally consist to up to 5 feet of fill underlain by primarily natural silty clay soils. A geologic cross-section is shown on Figure 8, Appendix A. Groundwater levels at the monitoring wells ranged from 3.75 feet below top of casing (TOC) at monitoring well MW-5 (EL. 821.44) on March 16, 2021 to 11.65 feet below TOC at monitoring well MW-3 (EL. 817.73) on December 2, 2020. At PZ-1, groundwater levels have ranged from 14.97 feet below TOC (EL. 809.36) on March 16, 2021, to 21.48 feet below TOC (EL. 802.85) on December 2, 2020. Water level elevations are summarized on Table 3, Appendix A. Groundwater flow at the Site appears to be toward the east/northeast. Based on the piezometer water elevations compared to MW-6, the vertical gradient is downward 1.11 to 0.65. Groundwater elevation contour and flow direction maps dated December 2, 2020 and March 16, 2021 are included on Figures 6 and 7, Appendix A. The estimated extent of soil contamination exceeding the WAC NR 720 soil to groundwater RCL and the estimated extent of groundwater exceeding the WAC NR 140 ES/PAL are shown on Figures 9 and 10, respectively.

Four sub-slab vapor ports (VP-1 to VP-4) were installed within the floor slab of the Aldi grocery store on September 3, 2020. Vapor samples were collected from VP-1 to VP-4, sanitary manhole SSMH-1 and storm sewer manhole (STSMH-1) on September 3, 2020, prior to operation of the remediation system and the heating, ventilation, and air conditioning (HVAC) system. No exceedances were reported at VP-1 to VP-4 or STSMH-1. Based on the detection of trichloroethene within SSMH-1 (50 micrograms per cubic meter (µg/m^3)) on November 3, 2020, GEC collected an additional round of vapor samples from VP-1 to VP-4, SSMH-2, SSMH-3, and from ambient air in the office of Play It Again Sports (AMB-1), prior to operation of the remediation system but subsequent to activation of the HVAC system at the Aldi building. No exceedances were reported at VP-1 to VP-4 or SSMH-2/3. The sample collected from AMB-1 reported TCE at a concentration of 50 µg/m^3. All vapor testing locations are shown on Figures 3 and Figure 5.

Due to the detection of TCE at a concentration above the large commercial indoor air vapor action level (VAL) at AMB-1 (50 µg/m^3), GEC collected additional ambient air samples from the Play It Again Sports building on January 27, 2021. The samples were collected within the batting cage (AMB-2), the shipping bay (AMB-3), the sales floor (AMB-4), and the men's restroom (AMB-5). Due to the detection of TCE at concentrations exceeding the VAL for TCE at AMB-2 to AMB-5 (58 to 65 µg/m^3), on February 1, 2021, GEC installed sub-slab vapor ports within the Play It Again Sports building in the southwest corner of the shipping bay (VP-5), in the northern portion of the shipping bay (VP-6), in the western utility closet (VP-7), and within the eastern utility closet (VP-8). No exceedances were reported at VP-5 to VP-8.

In order to further evaluate the utility vapors detected at SSMH-1, on February 4, 2021, GEC also collected vapor samples from the shipping bay floor drain (VP-9), the women's bathroom sanitary cleanout (VP-10), and the primary sanitary cleanout (VP-11). The samples collected reported concentrations of TCE ranging from 12.2 µg/m^3 (VP-11) to 35 µg/m^3 (VP-10), which exceeded their respective large commercial indoor air VAL. No other VOCs were detected at concentrations exceeding their respective standards.

Subsequent to a discussion of the vapor results with WDNR representative Jeremy Mitchell, the WDNR requested that GEC evaluate the Play It Again Sports building for possible vapor sources. Vapor screening was performed within the Play It Again Sports building with a RAE3000 photoionization detector (PID) during February of 2020. The sanitary and storm manholes were not accessible at that time due to snow and ice. During the screening, consistent vapor concentrations were observed throughout the building and are summarized below.

Ski Stripping Area Waste Basket (8000+ ppb)	Northwest Corner of Building
Ski Stripping Table (100-200 ppb)	Northwest Corner of Building
Shipping Bay (40-50 ppb)	Western Portion of Building
Sales Floor Near Shipping Bay (30-40 ppb)	Western Portion of Building Just East of Shipping Bay
Remaining Sales Floor (10-20 ppb)	Central Portion of Building
Batting Cages (20-30 ppb)	Eastern Portion of Building
Primary Sanitary Cleanout (<10ppb)	Southwest End of Building
Sub Slab Vapor Ports (VP-5 to VP-8) (<10 ppb)	See Map
Mop Sink Vent (70 ppb)	South Central Portion of Building

Based on the PID screening in the ski wax application and stripping area, GEC collected samples of residual wax utilized to coat skis and a chemical stripping agent used occasionally to strip the wax from the skis. The samples were collected on February 23, 2021. The samples were submitted for laboratory analysis for the presence of VOCs. Due to the unusual nature of the samples, GEC collecting wax shavings within a bag and collected wax shavings coated with the wax stripper in a separate bag. The bags were transported Synergy Environmental Laboratory in Appleton, Wisconsin, for laboratory analysis and were prepared by the lab in a manner that would not damage their equipment.

The wax sample did not report detectable concentrations of VOCs. The sample of wax/cleaner reported concentrations of toluene 26,800 milligrams per kilogram (mg/kg), isopropylbenzene (5,800 mg/kg), methylene chloride (38,000 mg/kg), and toluene (18,500 mg/kg). The cleaner sample was originally run at a X50 dilution to protect the lab equipment and was rerun at a X5 dilution to lower the detection limit for TCE, which could only be lowered to <240 µg/kg.

Laboratory analytical results for the vapor and wax/cleaner testing were included in a previous report. It should be noted that according to the lab manager of Synergy, Mr. Mike Ricker, the footprint of the ambient air samples collected within Play It Again Sports at AMB-1 to AMB-5 and within the sanitary cleanouts at VP-9 and VP-10 are a conclusive match for the constituents identified in the wax/cleaner sample, and although their instrumentation is not set up to quantify the chemical identified, several cyclohexane derivatives and nonane were identified. Since the wax/cleaner sample does not have pertinent standards, the results are not included in a table. All vapor testing results are summarized on Table 4, Appendix B.

GEC submitted a Vapor Investigation Update to the WDNR on March 12, 2021. Based on a phone conversation with WDNR case manager Jeremy Mitchell, the WDNR concluded that the TCE detected within the Play It Again Sports building was not attributable to the release at the Site and that the issue would be dealt with as an indoor air quality issue and that further testing of the off-site vapors was not necessary as it pertains to the Former Neighborhood Cleaners Site.

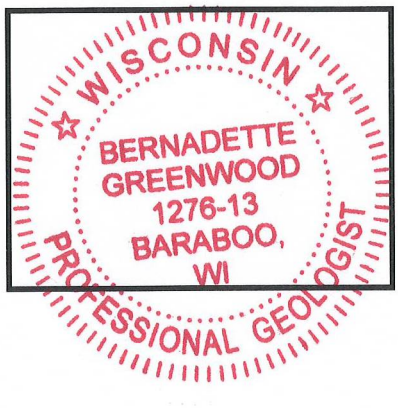
Based on the results of multiple site investigations performed at the Site and surrounding areas from 2019 through 2021, the extent of soil and groundwater contamination has been defined, no vapor exceedances have been identified at the Site, and the WDNR has indicated that the off-site vapors identified at Play It Again Sports do not appear attributable to the release at the Site. Accordingly, it is recommended that a closure request be prepared. It is recommended that a Cap Maintenance Plan be performed for the area of the residual soil and groundwater contamination. The remediation system on the Site is planned to remain operational as a preventative measure; however, since VOCs have not been detected above the sub-slab VRSLs prior to operation of the system, it is recommended that the system not be required for closure, subject to review and concurrence by the WDNR.

"I Bernadette Greenwood 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: Bernadette Greenwood DATE: _____

PROFESSIONAL REGISTRATION NUMBER: 1276-13

STAMP:



2.0 INTRODUCTION

2.1 General

This report presents the findings and conclusions of the site investigation and remedial activities performed at the Former Neighborhood Cleaners located at 611 West Northland Avenue in the City of Appleton, Wisconsin (Site).

Site Name and Location:	Former Neighborhood Cleaners 611 West Northland Avenue City of Appleton, Wisconsin Northwest ¼ of the Northwest ¼ of Section 23, Township 21 North, Range 17 East Outagamie County, Wisconsin WTM Coordinates: X=646499, Y=424838
Site Operations:	The Site was developed as an Aldi grocery store during 2020.
Responsible Party:	R Lewis & R Lewis, LLC c/o Rebecca Lewis P.O. 22190 Green Bay, Wisconsin 54305 Phone: (920) 338-0125 Ext. 103
Consultant:	General Engineering Company 916 Silver Lake Drive Portage, WI 53901 Phone: (608) 742-2169
Project Manager:	Brian Youngwirth General Engineering Company 916 Silver Lake Drive Portage, WI 53901 Phone: (608) 742-2169 byoungwirth@generalengineering.net

2.2 Purpose

The purpose of the site investigation activities was to define the horizontal and vertical extent of soil and groundwater contamination and to evaluate whether a vapor migration risk was attributable to this release in accordance with NR 716, Wis. Adm. Code. The purpose of the remedial activities was to remove any contaminated soils that required removal to facilitate construction of the Aldi grocery store.

2.3 Scope of Work

The scope of the site investigation and remedial activities performed by General Engineering Company (GEC) to date include the following: oversight of the remedial excavation of soil requiring removal to facilitate construction of the Aldi grocery store; advancement of seven soil borings, which were converted to six monitoring wells and a piezometer; collection of soil samples from the soil borings; monitoring well surveying and development; collection of groundwater samples from the monitoring wells, six small diameter monitoring wells associated with a prior Limited Phase II Environmental Site Assessment (ESA) at the Site and two sumps installed to de-water water line utility excavations; abandonment of the small diameter wells; the installation of 4 sub-slab vapor ports within the Aldi grocery store, the installation of 4 sub-slab vapor ports within the adjacent Play It Again Sports building, collection of vapor samples from the sub-slab vapor ports, within 3 sanitary manholes, within 1 storm sewer manhole, from ambient air within 5 locations in the Play It Again building, and from 1 floor drain and 2 sanitary cleanouts within the Play It Again building, photoionization detector testing within the Play It Again building, collection of ski wax and ski stripping chemical samples, laboratory analysis of soil, groundwater, and vapor samples, evaluation of the collected data; and preparation of this report. It should be noted that a partial Phase I ESA, and two phases of a Limited Phase II ESA were completed by GEC prior to the site investigation/remedial activities, which are summarized in the background section of this report.

3.0 SITE DESCRIPTION

3.1 Site Features

The Site formerly consisted of five land parcels, including Parcel IDs 316286100 (0.1249-acres), 316286000 (0.3077-acres), 316769200 (0.2914-acres), 316769100 (0.2757-acres), and the western half of parcel 316770400 (2.9627-acres). Parcel 316770400 was historically occupied by a commercial strip mall with addresses of 621 West Northland Avenue and 2702 North Richmond Street. The strip mall was comprised of 5 units, most recently occupied from west to east by a vacant former muffler repair shop, Pho House Restaurant, Pinnacle Therapy Solutions, Coin Laundry, and a vacant sports memorabilia store. The remaining parcels comprising the Site consisted of vacant land, although it is understood that residential homes formerly occupied at least two of the parcels (316769100 and 316769200). The Site was consolidated into 1 parcel of land on April 3, 2020 (Lot 1 of CSM No. 7884), which is 2.5334-acres in size (parcel 316770400). The strip mall was demolished during May of 2020. An approximate 20,000-square-foot Aldi Grocery Store was constructed on the Site during 2020. The Site is located on the east side of North Richmond Street with the Northwest ¼ of the Northwest ¼ of Section 23, Township 21 North, Range 17 East. A Site Location Map is shown on Figure 1, Appendix A. A Former Site Plan is shown on Figure 2, Appendix A. The Current Site Plan is shown on Figure 2A, Appendix A.

The Site is bound to the north by an access drive, followed by Fazoli's and Starbucks; to the south by Weekend Dental Associates School, J & J Electronics and residential properties; to the east by Play It Again Sports (parcel is owned by R Lewis & R Lewis, LLC) and residential properties; and to the west by North Richmond Street, followed by Associated Bank, BP Gasoline Station, Chester's Pub, and Richmond Street Inn.

The topography of the Site and surrounding area was historically relatively flat with a down-gradient slope toward the east and south. During the site development activities, the existing ground surface was raised approximately 4 to 5 feet on the southern end of the Site while undercuts of approximately 1 to 2 feet were performed in the northeast parking lot. A water detention basin was constructed at the far south end of the Site. The Site is serviced by the City of Appleton municipal water and sewer systems.

According to the WDNR Well Construction Reports database, nine potable wells may have been located within 1,200 feet of the Site. Well construction reports for the identified wells are included in Appendix E. Since groundwater contamination does not appear to have migrated substantially beyond the source area of the release and appear to remain on-site, the extent of groundwater contamination has been defined, and the adjoining properties are provided with potable water by the City of Appleton, the locations of the wells and whether any of them are still in use was not warranted. Based on the investigations to date, 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

GEC was originally retained by GB Real Estate Investments, LLC on September 30, 2019, to perform a Phase I ESA on the Site. During the preliminary research for the Phase I ESA, and review of a prior Phase I ESA performed by GME Consultants, Inc., dated August 31, 1990, GEC identified several Recognized Environmental Conditions (RECs) in connection with the Site, which are identified below.

1. The western portion of the former building had been utilized as a vehicle maintenance facility for several decades. According to review of the prior Phase I ESA, five hydraulic lifts were formerly utilized within the building and are believed to have leaked. These hoists were eventually converted to aboveground mechanical hoists. The former hoist locations were not visible during the site visit performed by GEC. A hoist pit was also reportedly present within the service garage at the time of the prior Phase I ESA, which was not visible at the time of GEC's site visit. The hoist pit reportedly continually filled with groundwater. None of the hoists were encountered during the building demolition activities.

2. According to review of the prior Phase I ESA, aboveground storage tanks (ASTs) containing fuel oil and waste oil were observed outside of the former building. In addition, other ASTs and barrels containing hydraulic fluid and other unidentified contents were stored outside of the former building. An additional building was also identified in the prior Phase I ESA, just north of the recently demolished building, and several other barrels and an AST were observed outside the eastern end of that building. A 20-gallon waste oil spill was indicated to have occurred on the Site from leaking barrels in 1988. The spill case was closed by the Wisconsin Department of Natural Resources (WDNR).

3. According to the current owner of the Site, the eastern portion of the former building was formerly utilized as a dry-cleaning facility during the 1990s.

4. A former Leaking Underground Storage Tank (LUST) case (Shell Station at 2619 North Richmond Street) and presently operating BP gasoline station is present on the western

adjoining property, beyond North Richmond Street. The LUST case was closed by the WDNR on March 16, 2000. GEC reviewed the case file on the WDNR BRRTS website. Monitoring wells installed at the eastern limits of that property reportedly contained petroleum contaminants exceeding the Wisconsin Administrative Code (WAC) NR 140 enforcement standard (ES) at the time of closure and no monitoring wells were installed beyond the eastern limits of the Shell Station property at that time. Groundwater flow was identified to be toward the east. GEC also reviewed a Phase 2.5 Report prepared by TRC, dated October 7, 2014, which identified soil and groundwater contamination within the western portion of the North Richmond Street Right-Of-Way (ROW). Therefore, it did not appear that the eastern limits of the groundwater contamination (toward the Site) had been defined, and the property continued to operate as a gasoline station since case closure in 2000.

Due to the above identified RECs, GB Real Estate Investments, LLC requested that the Phase I ESA be terminated and that a Limited Phase II ESA be performed in conjunction with geotechnical activities being planned for the Aldi development.

The scope of the initial Limited Phase II ESA and geotechnical activities included the advancement of 18 total soil borings, 9 of which were evaluated for environmental purposes including B-1, B-2, and B-12 to B-18. On October 29, 2019, GEC was present to oversee the advancement of soil borings B-1, B-2, and B-12 to B-18. Soil borings B-1, B-12, B-14, and B-17 were converted to temporary monitoring wells TW-1 to TW-4, respectively to depths of 15 feet below ground surface (bgs). The soil borings were performed by Gestra Engineering, Inc. (Gestra) of Milwaukee, Wisconsin. A Geotechnical Report, dated November 21, 2019, was prepared by Gestra under a separate contract. Soil boring and small diameter well locations are shown on Figure 3, Appendix A.

Soil samples were collected from B-1, B-12 to B-16, and B-18 and submitted for laboratory analysis for the presence of volatile organic compounds (VOCs). Between October 3, 2020, and November 5, 2019, groundwater samples were collected from the temporary monitoring wells TW-1 to TW-4 and the open borehole in B-2 and submitted for laboratory analysis for the presence of VOCs. Groundwater samples were collected from the temporary wells or geotechnical borings utilizing single-use disposable polyethylene bailers. Upon completion of the soil and water testing, the boreholes and temporary wells were abandoned with bentonite.

The soil sample collected from the B-1 at a depth of 4.5 to 6 feet bgs reported tetrachloroethene (PCE) at a concentration of 151 micrograms per kilogram (µg/kg), which exceeded its WAC NR 720 soil to groundwater residual contaminant level (RCL) of 4.5 µg/kg. None of the other soil samples reported detectable concentrations of VOCs. The groundwater samples collected from temporary wells TW-1 and TW-4 reported PCE at concentrations of 0.69J micrograms per liter (µg/L) and 0.87J µg/L, respectively, which exceeded the WAC NR 140 preventive action limit (PAL) of 0.5 µg/L for PCE. No other VOCs were detected at concentrations exceeding their respective standards at any of the other test locations. Soil and groundwater analytical results were previously provided and are summarized on Tables 1 and 2, respectively, Appendix A.

GEC prepared a Limited Phase II ESA Report, dated December 3, 2019, and recommended that additional work be performed near B-1, TW-1, and TW-4 to further evaluate the identified soil and groundwater contamination. GEC was subsequently contracted by the current owner the Site (R Lewis and R Lewis, LLC) to perform an additional Limited Phase II ESA work scope.

On January 13, 2020, GEC was present on-site to oversee the advancement of soil probes GP-19 to GP-27. Soil probes GP-19, GP-20, GP-21, GP-23, GP-24, and GP-26 were converted to small diameter monitoring wells designated TW-5 to TW-10, respectively, to depths of 15 feet bgs. The soil probes were performed by On-Site Environmental Services of Sun Prairie, Wisconsin. The soil probe and small diameter monitoring well locations are shown on Figure 3, Appendix A.

The soil samples collected from GP-24 at a depth of 6 to 7 feet bgs; GP-25 at a depth of 2 to 3 feet bgs, and GP-26 at a depth of 6 to 7 feet bgs reported PCE at concentrations of 135 µg/kg, 79J µg/kg, and 64J µg/kg, respectively, exceeding its WAC NR 720 soil to groundwater RCL of 4.5 µg/kg. The soil samples collected from GP-24 at a depth of 3 to 4 feet bgs and GP-25 at a depth of 2 to 3 feet bgs reported trichloroethene (TCE) at concentrations ranging from 42J µg/kg to 98J µg/kg, respectively, exceeding its WAC NR 720 soil to groundwater RCL of 3.6 µg/kg. None of the other soil sample reported detectable concentrations of VOCs. Soil analytical results were previously provided and are summarized on Table 1, Appendix A.

Groundwater samples were collected from small diameter wells TW-5 to TW-10 on January 17, 2020. The groundwater samples collected from temporary wells TW-8, TW-9, and TW-10 reported PCE at concentrations of 76 µg/L, 166 µg/L, and 22.5 µg/L, respectively, which exceeded its respective WAC NR 140 ES of 5 µg/L. The groundwater samples collected from TW-8, TW-9, and TW-10 also reported TCE at concentrations of 1.32 µg/L, 1.68 µg/L, and 0.67J µg/L, respectively, which exceeded its WAC NR 140 PAL of 0.5 µg/L. No other VOCs were detected at concentrations exceeding their respective standards at any of the other test locations. Groundwater results were previously provided and are summarized on Table 2, Appendix A.

GEC prepared a Limited Phase II ESA Update, dated January 30, 2020, which recommended that the WDNR be notified of the contamination and that additional site investigation be performed to further characterize and evaluate the extent of contaminated soil to facilitate construction of the planned Aldi building and establish landfill approval, if necessary. The report also recommended that that clay plugs be installed along utility lines, and that a vapor mitigation system be placed under the new building. Accordingly, the WDNR was notified, and the Site was issued Bureau for Remediation and Redevelopment Tracking System (BRRTS) No. 02-45-585245, and the WDNR issued a responsible party letter dated February 7, 2020. Due to the planned construction of the Aldi building, it was recommended that the additional investigations not commence until the construction of the Aldi building had been completed. The scope of work recommended in the Limited Phase II ESA Update was formally submitted to the WDNR by GEC in a Work Plan dated February 6, 2020. The additional site investigation and remedial activities discussed herein were subsequently performed.

4.0 REMEDIAL AND SITE INVESTIGATION ACTIVITIES

4.1 Scope Summary

The scope of the initial additional site investigation and remedial activities performed prior to the construction activities included the collection of 1 additional round of groundwater samples from small diameter monitoring wells TW-5 to TW-10, performance and sampling of 10 test pits (TP-1 to TP-10), oversight of the relevant earthwork performed for the proposed Aldi building, transportation of identified contaminated soil to the landfill for proper disposal, collection of two groundwater samples from the water utility trenches (Sump and Sump 2), and laboratory testing

of soil and groundwater samples. Upon completion of the groundwater sampling at small diameter monitoring wells TW-5 to TW-10, the wells were abandoned with bentonite due to their likely damage during the building and parking lot demolition activities. Small diameter monitoring wells abandonment forms for TW-5 to TW-10 are included in Appendix D. The Sump groundwater sample was obtained from the water utility trench to the north of the identified contamination and was observed to contain water migrating north to south through the backfill of an existing utility line further north on the Site, where contamination had not been detected during the previous testing. Sump 2 was located just south of the known contaminated area within the City's main water line trench. Clay plugs were installed within the up and down gradient ends of each new water line installation.

The scope of post-construction activities included: advancement of 7 soil borings (MW-1 to MW-6 and PZ-1), which were converted to 6 monitoring wells and 1 piezometer (MW-1 to MW-6 and PZ-1); collection of soil samples from the soil borings; monitoring well surveying and development; and collection of two rounds of groundwater samples from the monitoring wells.

The planned scope of the vapor investigation originally included the installation of a preventive vapor mitigation system as part of the new Aldi grocery store construction, the installation of 4 sub-slab vapor ports within the new Aldi building, and collection of vapor samples from the sub-slab ports (prior to activation of the remediation system) and the sanitary and storm manholes nearest to the know soil and groundwater contaminant plume. Site utilities are shown on Figure 2A, Appendix A. Subsequent to the preliminary vapor testing and the detection of TCE within the sanitary manhole near the source area, the scope of the vapor investigation was expanded to include additional utility testing and an ambient vapor sample from the Play it Again Sports building. An additional TCE detection within the ambient air sample at the Play It Again Sports building resulted in expanding the vapor testing scope to include the installation of 4 sub-slab ports within the Play It Again Sport building, the collection of sub-slab, drain, sanitary cleanout, and ambient vapor samples, photoionization detector (PID) screening within the Play It Again Sports building, and collection of samples of ski wax and a ski wax stripping chemical utilized by Play It Again Sports.

The sub-slab vapor ports were installed by drilling a 1.5-inch hole in the concrete floor to approximately 2 inches followed by a 5/8-inch hole through the remainder of the concrete. GEC utilized Cox-Colvin Vapor Kits to place the vapor points. A rubber vapor pin sleeve was placed over a stainless-steel pin, which was hammered into the hole to create a seal. The 1.5-inch hole drilled to place the cover was also used as a dam to ensure there were no leaks and a proper seal was achieved. The plastic hose for the SUMMA® Canister was then placed over the pin for a sealed sample.

The ambient air samples were collected by placing a SUMMA® Canister in selected locations and collecting vapor samples during an 8-hour period. A 24-hour sample was collected during the initial ambient sample. The utility and sanitary cleanout samples were collected by lowering tubing to just above the liquid at each location and then purging a sufficient volume of air to pull air from the environment into the sampling tube prior to the test. A SUMMA® Canister was then connected to the tubing and the sample was collected over an approximate 0.5-hour period.

Vapor screening was performed within the Play It Again Sports building, within the sanitary cleanouts, and within sub-slab vapor ports VP-5 to VP-8. The vapor screening was performed with a RAEppb 3000 photoionization detector (PID). The PIDs utilized in this investigation are discussed in Section 4.7 of this report. Due to the identification of a potential vapor source

within the Play It Again Sports building, GEC collected samples of wax and a wax stripping chemical utilized by Play It Again staff for snow ski wax stripping and application.

Soil, groundwater, ski wax, and ski wax stripping chemical samples were submitted for laboratory analysis for the presence of VOCs. Vapor samples were submitted for laboratory analysis for the presence of chlorinated volatile organic compounds (CVOCs).

4.2 Test Pits

The excavation of 10 test pits (TP-1 to TP-10) were observed by GEC on May 22, 2020. The test pits were performed by Bayland Excavating, Inc. of Green Bay, Wisconsin under the direction of GEC. The dimensions of the test pits were approximately 3 feet wide by 6 feet long by 2 feet to 5 feet in depth, depending on the planned depth of the footing excavations. The test pits were performed near the rear doors of the former dry cleaner building, near the estimated location of the former dry-cleaning machine, and beyond the prior test locations, where chlorinated compounds had previously been detected along the planned northern and eastern footing lines. The soil sampling results from the test pits, soil borings and probes were utilized to characterize the soils that would be transported to the landfill for proper disposal. The test pit locations are shown on Figure 3, Appendix A.

4.3 Remedial Excavation

On June 1 and 3, 2020, GEC oversaw the excavation of 1000.97 tons of CVOC contaminated soils. Excavation activities were performed by Bayland Excavating, Inc. Affected soils were transported to Waste Management's Ridgeview Landfill in Whitelaw, Wisconsin for proper disposal. Soil disposal documentation was provided within GEC's Remedial Documentation Report, dated June 18, 2020. Soil samples were periodically field screened, utilizing a PID. The limits of the remedial soil excavation are shown on Figure 4, Appendix A.

The excavation activities were performed along the northern footing line, along the northern portion of the eastern footing line, within undercut areas in the planned parking lot area just to the north of the planned Aldi building, and during water line excavations for the City main water line and the Site water line where they extended through the contaminated area. Footing excavations extended to depths of 4 feet bgs, water line utility excavations extended to depths of 7 to 8 feet bgs, and the parking lot undercuts extended to depths of 1 to 2 feet bgs. Clean groundwater removed during the utility work at the initial sump location was discharged to the storm sewer on the Site. Groundwater at the location of Sump 2 was discharged to the sanitary sewer under a permit obtained through the City of Appleton. Groundwater within the Site private water line (located within a few feet of the main line) was discharged in a similar fashion to the City main water line. GEC observed the installation of compacted clay plugs just north of the contamination on each of the water line installations and on the southern line of the City main line (beyond the known contaminated soils) and the Site private water line prior to where it will enter the new building. Since the extent of soil contamination had been defined by the previous soil borings, probes, and test pits, and additional soil borings were planned beyond the previous test locations, soil samples for laboratory analysis were not collected from the excavation limits. Only soils removed to facilitate the construction were removed and landfilled.

4.4 Soil Boring and Monitoring Well Installation

Seven soil borings (MW-1 to MW-6 and PZ-1) were advanced as part of the site investigation on November 2 and 3, 2020. MW-1 to MW-5 were installed on the Site and MW-6 and PZ-1 were installed off-site on the adjacent property east of the Site, owned by R Lewis & R Lewis, LLC and rented by Play It Again Sports. The borings were converted to WAC NR 141 compliant monitoring wells designated MW-1 to MW-6 and piezometer PZ-1, respectively. The soil borings were performed by On-Site Environmental, Inc. of Sun Prairie, Wisconsin. The borings were performed with two track-mounted Geoprobe® units. Soil samples were collected continuously by driving a 5-foot plastic sleeve within a metal sampler into undisturbed soils to depths of approximately 15 to 25 feet bgs. Subsequent to the soil sampling, borings were advanced to depths of approximately 14 feet bgs to 25 feet bgs utilizing 4.25-inch diameter (8-inch borehole) augers. The soil boring and monitoring well locations are shown of Figure 3, Appendix A. Monitoring well MW-6 was advanced within a few feet of PZ-1, therefore no samples were collected from MW-6 and the boring was advanced without sampling to install the monitoring well. Soil cuttings were containerized within Wisconsin Department of Transportation (DOT) 55-gallon drums. The drums were disposed of by Covanta Environmental Solutions of Winneconne, Wisconsin. Drum disposal documentation is included in Appendix F. Since no groundwater standards were exceeded within the samples collected from the groundwater monitoring wells, the water generated during the well development and groundwater sampling was dumped on the asphalt parking areas of the Site.

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. The piezometer construction consisted of a 5-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 bgs. 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 wells. Monitoring well construction forms are included in Appendix D.

4.5 Vapor Mitigation System

During August to November of 2020 American Radon Reduction designed and installed a sub-slab vapor mitigation system at the Site. The system consists of 5 separate runs of corrugated, 4-inch diameter drain tile piping traversing most of the area beneath the floor slab of the new building. The piping was bedded in approximately 10-12 inches of ¾-inch clear stone, prior to placement of the concrete floor slab. Each horizontal run of sub-slab piping is connected to a vertical run of Schedule 40, 4-inch diameter polyvinyl chloride (PVC) pipe along the east end of the building that extends from the concrete surface to a “Radon Away” electric fan blower, followed by an additional PVC run that vents above the roof line. The vapor mitigation system layout is shown on Figure 5, Appendix A.

4.6 Vapor Investigation

Four sub-slab vapor ports (VP-1 to VP-4) were installed within the floor slab of the Aldi grocery store on September 3, 2020. Vapor samples were collected from VP-1 to VP-4, sanitary manhole SSMH-1 and storm sewer manhole STSMH-1 on September 3, 2020, prior to activation of the remediation system or the heating, ventilation, and air conditioning (HVAC)

system. Based on the detection of TCE within SSMH-1 (vapor investigation results are summarized in a subsequent section of this report), on November 3, 2020, GEC collected an additional round of vapor samples from VP-1 to VP-4, SSMH-2, SSMH-3, and from ambient air in the office of Play It Again Sports (AMB-1), prior to activation of the remediation system but subsequent to activation of the HVAC system at the Aldi building.

Due to the detection of TCE at concentrations above the large commercial indoor air vapor action level (VAL) at AMB-1, GEC collected additional ambient air samples from the Play It Again Sports building on January 27, 2021. The samples were collected within the batting cage (AMB-2), the shipping bay (AMB-3), the sales floor (AMB-4), and the men's restroom (AMB-5)

Due to the detection of TCE at concentrations exceeding the VAL for TCE at AMB-2 to AMB-5, on February 1, 2021, GEC installed sub-slab vapor ports within the Play It Again Sports building in the southwest corner of the shipping bay (VP-5), in the northern portion of the shipping bay (VP-6), in the western utility closet (VP-7), and within the eastern utility closet (VP-8).

In order to further evaluate the utility vapors detected at SSMH-1, on February 4, 2021, GEC also collected vapor samples from the shipping bay floor drain (VP-9), the women's bathroom sanitary cleanout (VP-10), and the primary sanitary cleanout (VP-11).

Subsequent to a discussion of the vapor results with WDNR representative Jeremy Mitchell, the WDNR requested that GEC evaluate the Play It Again Sports building for possible vapor sources. Vapor screening was performed within the Play It Again Sports building with a PID during February of 2020. The sanitary and storm manholes were not accessible at that time due to snow and ice. During the screening, consistent vapor concentrations were observed throughout the building and are summarized below.

Ski Stripping Area Waste Basket (8000+ ppb)	Northwest Corner of Building
Ski Stripping Table (100-200 ppb)	Northwest Corner of Building
Shipping Bay (40-50 ppb)	Western Portion of Building
Sales Floor Near Shipping Bay (30-40 ppb)	Western Portion of Building Just East of Shipping Bay
Remaining Sales Floor (10-20 ppb)	Central Portion of Building
Batting Cages (20-30 ppb)	Eastern Portion of Building
Primary Sanitary Cleanout (<10ppb)	Southwest End of Building
Sub Slab Vapor Ports VP-5 to VP-8) (<10 ppb)	See Map
Mop Sink Vent (70 ppb)	South Central Portion of Building

Based on the PID screening and a potential vapor source identified near the wax stripping application work area, GEC collected samples of residual wax utilized to coat skis and a chemical stripping agent used occasionally to strip the wax from the skis. The samples were collected on February 23, 2021. The samples were submitted for laboratory analysis for the presence of VOCs. Due to the unusual nature of the samples, GEC collecting wax shavings within a bag and collected wax shavings coated with the wax stripper in a separate bag. The bags were transported Synergy Environmental Laboratory in Appleton, Wisconsin, for laboratory analysis and were prepared by the lab in a manner that would not damage their equipment.

4.7 Field Volatile Vapor Emission Screening

Soil samples collected from the excavations and soil borings were screened for volatile organic vapor emissions with a MiniRAE photoionization detector (PID). The MiniRae PID is an electronic instrument that measures the relative concentration of volatile organic vapor emissions in the headspace of a container in parts per million (ppm). The meter serves as one tool is selecting samples for analytical testing. 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.

Vapor screening was performed within the Play It Again Sports building, within the sanitary cleanouts, and within sub-slab vapor ports VP-5 to VP-8. The vapor screening was performed with a RAEppb 3000 PID. This PID is an electronic instrument that measures the relative concentration of volatile organic vapor emissions in parts per billion.

Neither instrument can quantify concentrations of individual compounds. The response of the instrument is dependent upon volatility, temperature, and the ionization potential of the compounds measured.

4.8 Soil Sample Collection and Preparation

The soil samples for chemical analyses were selected from the test pits/soil borings based upon visual and olfactory observations, the PID screenings, the direct contact risk, the planned construction activities, or the depth to groundwater to assess the soil conditions. Select soil samples were subjected to laboratory analysis for the presence of VOCs.

The soil samples submitted for laboratory analysis for the presence of VOCs 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

During the remedial excavation activities, the surface materials observed on the Site subsequent to removal of the former building foundation, parking and drive areas consisted of fill soils including sand and gravel in the vicinity of the former building, and gravel in the drive extending to the former south parking lot and the former south parking area, which was underlain by variable fill soils consisting of brown and dark brown silty clay with varying amounts of sand and gravel to depths of 2 to 3 feet bgs. Footing excavations along the north footing line and the initial portion of the northern end of the eastern footing line extended through fill soils to depths of up to 4 feet to natural silty clay soils. Footing excavations along the remaining portion of the eastern footing line were already at the proposed footing grade and were undercut through fill soils placed to raise the grade to natural silty clay present at a depth of about 2 feet bgs. Footing excavation depths were determined in the field by a representative of Gestra

based on the presence of natural soils and the presence of a suitable bearing strength to support the planned structure.

During the performance of the soil borings, after the construction activities, the surface materials consisted of landscaping mulch within the landscaping islands in the north/northwestern parking area at MW-1 and MW-2, asphalt at MW-3, MW-6, and PZ-1, and grass at MW-4 and MW-5. The surface materials at MW-1, MW-2, MW-3, and MW-4 were underlain by fill or possible fill soils consisting of brown/grayish brown silty sand, ¾-inch crushed gravel, and reddish-brown silty clay to depths of 4 feet to 5 feet bgs. The surface materials at PZ-1 were underlain by possible fill consisting of light brown silty sand (likely associated with the sanitary lateral for Play It Again Sports) to a depth of approximately 9.5 feet bgs. The fill or possible fill at the above-mentioned borings and the surface materials at MW-5 and MW-6 were primarily underlain by reddish brown silty clay with varying amounts of sand and gravel to the termination depths of the borings at 15 feet to 25 feet bgs, and to a lesser extent a few intervals of light brown/grayish brown silt or silt with sand (MW-2 at 13 to 15 feet bgs), brown clayey silt (MW-4 at 9 to 10 feet bgs), and brown sandy silt (MW-5 at 10 to 15 feet bgs).

Bedrock was not encountered during the investigation activities. The “Depth to Bedrock Map of Wisconsin” indicates bedrock in the area to be Ordovician age Prairie Du Chien Group dolomite with some sandstone and shale occurring at depths ranging from 30 feet to 100 feet bgs.

Soil boring logs are included in Appendix D. A geologic cross section is shown in Figure 8, Appendix A.

6.0 GROUNDWATER MONITORING ACTIVITIES

6.1 Well Development

Monitoring wells MW-1 to MW-6 and piezometer PZ-1 were developed on November 16, 2020. The monitoring wells were developed by alternately surging and purging with a PVC bailer or a pump. During the well development, groundwater was removed from the monitoring wells until up to 10 well volumes of groundwater were removed or relatively sediment free water was produced. Only monitoring well MW-2 could not be purged dry. Monitoring well development forms are included in Appendix D.

6.2 Groundwater Sampling

Groundwater samples were collected from small diameter wells TW-5 to TW-10 on April 15, 2020. Groundwater samples were collected from water pumped from the water line utility excavations (during water line installation) at Sump and Sump 2 on June 1, 2020, and June 3, 2020, respectively. Groundwater samples were collected from monitoring wells MW-1 to MW-6 and piezometer PZ-1 on December 2, 2020, and March 16, 2021. The groundwater samples were submitted for laboratory analysis of VOCs.

Groundwater samples submitted for VOC analysis were 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

The top of casing (TOC) at the monitoring wells and piezometer were surveyed by Carow Land Surveying of Appleton, Wisconsin. The monitoring well and piezometer elevations were referenced to the mean sea level (MSL) datum. Groundwater level measurements were collected at each monitoring well and the piezometer during the groundwater sampling rounds performed.

Groundwater levels at the monitoring wells during the December 2020 and March 2021 investigations ranged from 3.75 feet below top of casing (TOC) at monitoring well MW-5 (EL. 821.44) on March 16, 2021 to 11.65 feet below TOC at monitoring well MW-3 (EL. 817.73) on December 2, 2020. Groundwater elevations at the monitoring wells have ranged from EL. 817.59 at MW-1 on December 2, 2020, to EL. 824.66 at MW-2 on March 16, 2021. The groundwater levels at monitoring well MW-2 are significantly higher than the remainder of the Site and the elevations at MW-2 were not utilized to construct the groundwater flow maps. Groundwater flow at the Site, based on MW-1, and MW-3 to MW-6 appears to be toward the east/northeast. The groundwater flow/water elevations at MW-2 may be influenced by the new construction, site elevation changes, former/current foundation backfills, and the utility trenches recently performed at the Site.

Regarding the piezometer, groundwater levels have ranged from 14.97 feet below TOC (EL. 809.36) on March 16, 2021, to 21.48 feet below TOC (EL. 802.85) on December 2, 2020. Based on the groundwater sampling rounds on December 2, 2020 and March 16, 2021, the vertical gradient is calculated to be downward 1.11 and 0.65, respectively.

Groundwater elevation data is summarized on Table 3, Appendix B. Groundwater Elevation and Contour Flow Direction Maps for December 2, 2020 and March 16, 2021 are included in Figures 6 and 7, Appendix A.

7.0 ANALYTICAL TESTING RESULTS

7.1 NR 720 Soil Standards

Chapter 720 of the NR 700 series WAC 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 an 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 test pits TP-2 (1-foot and 5 feet bgs), TP-3 (5 feet bgs), TP-4 (5 feet bgs), TP-5 (2 feet bgs), TP-8 (2 feet bgs), and TP-10 (3 feet bgs) reported PCE at

concentrations ranging from 32J µg/kg to 370 µg/kg, exceeding its NR 720 soil to groundwater RCL of 4.5 µg/kg. None of the other test pit soil samples reported detectable concentrations of VOCs.

The soil samples collected from soil borings MW-1 to MW-5 and PZ-1 did not report detectable concentrations of VOCs.

Soil analytical results were previously provided to the WDNR. The soil sampling results are summarized on Table 1, Appendix B. The estimated extent of soil contamination exceeding the WAC NR 720 RCLs is shown on Figure 9, Appendix A.

7.3 Groundwater Quality Standards

The ESs and PALs are groundwater quality standards, which have been established in NR140 of the WAC. 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 samples collected from small diameter wells on April 15, 2020 at TW-6, TW-8, TW-9, and TW-10 reported PCE at concentrations of 5.1 µg/L, 78 µg/L, 153 µg/L, and 13.9 µg/L, respectively, which exceeded their respective NR 140 ES of 5 µg/L. The groundwater sample collected from TW-7 reported vinyl chloride at a concentration of 0.27 J µg/L, which exceeded its WAC NR 140 ES of 0.2 µg/L. The groundwater samples collected from TW-6. TW-8, and TW-9 also reported TCE at concentrations of 0.55J µg/L, 1.32J µg/L, and 3.2 µg/L, respectively, which exceed its NR 140 PAL of 0.5 µg/L. The groundwater sample collected from Sump 2 reported PCE at a concentration of 4.6 µg/L, which exceeded its NR 140 PAL of 0.5 µg/L. No other VOCs were detected at concentrations exceeding their respective standards at TW-5 to TW-10, Sump, and Sump 2.

The groundwater samples collected from on December 2, 2020, and March 16, 2021 at MW-1 to MW-6 and PZ-1 did not report detectable concentrations of VOCs during either sampling round.

The groundwater laboratory analytical report and chain-of-custody form for the most recent sampling round is included in Appendix C. The results of the chemical analyses of the groundwater samples are summarized in Table 2 in Appendix B. Laboratory analytical results for the previous groundwater sampling rounds performed have been provided within previous reports. The Estimated Extent of Groundwater Exceeding the WAC NR 140 ES/PAL is shown on Figure 10, Appendix A.

7.5 Vapor Standards

The vapor standards utilized for this vapor investigation included the Large Commercial Indoor VALs and the Large Commercial sub-slab Vapor Risk Screening Levels (VRSLs).

7.6 Laboratory Vapor Results (Sub-Slab Test Locations Aldi and Play It Again Sports)

The sub-slab samples collected from VP-1 to VP-4 on September 3, 2020, and November 3, 2020, prior to operation of the vapor mitigation system, reported concentrations of PCE ranging from <0.278 micrograms per cubic meter (µg/m^3) to 31.4 µg/m^3, which are well below its large commercial sub-slab VRSL of 18,000 µg/m^3. No other CVOCs were detected.

The sub-slab vapor samples collected from VP-5 to VP-8 on February 1, 2021, reported PCE at concentrations ranging from 1.09 µg/m^3 to 29.1 µg/m^3 and TCE at concentrations ranging from 0.86 µg/m^3 to 5.8 µg/m^3, which are below their large commercial sub-slab VRSLs of 18,000 µg/m^3 and 880 µg/m^3, respectively. No other CVOCs were detected. All vapor analytical results were previously provided to the WDNR. All vapor analytical results are summarized on Table 4, Appendix A. I

7.7 Laboratory Vapor Results (Storm and Sanitary Manhole Locations)

The vapor sample collected from SSMH-1 on September 3, 2020, reported TCE at a concentration of 50 µg/m^3, which exceeds its large commercial indoor air VAL of 8.8 µg/m^3. The sample also reported PCE at a concentration of 38 µg/m^3 below its large commercial indoor air VAL of 180 µg/m^3. The vapor samples collected from SSMH-2, SSMH-3, and STSMH-1 on September 3, 2020, or November 3, 2020, reported lower concentrations of PCE and TCE ranging from 2.99 µg/m^3 to 12 µg/m^3 and 0.37J µg/m^3 to 2.73 µg/m^3, respectively. No other CVOCs were detected.

7.8 Laboratory Vapor Results (Ambient Samples Play It Again Sports)

The vapor samples collected from AMB-1 on November 3, 2020, and AMB-2 to AMB-5 on January 27, 2021, reported TCE at concentrations ranging from 50 µg/m^3 to 65 µg/m^3, which exceeded its large commercial indoor air VAL of 8.8 µg/m^3. The samples also reported PCE at low concentrations ranging from 0.41J µg/m^3 to 0.68J µg/m^3. No other CVOCs were detected.

7.9 Laboratory Vapor Results (Drain and Sanitary Cleanouts Play It Again Sports)

The vapor sample collected from VP-9 on February 4, 2021, reported low concentrations of PCE and TCE below their respective standards. The samples collected from the sanitary cleanouts (VP-10 and VP-11) on February 4, 2021, reported concentrations of PCE and TCE ranging from 1.09 µg/m^3 to 1.29 µg/m^3 and 12.2 µg/m^3 to 35 µg/m^3, respectively. The concentrations of TCE exceeded the large commercial indoor air VAL. No other CVOCs were detected.

7.10 Wax and Wax Stripping Chemical Test Results (Play It Again Sports)

The wax sample did not report detectable concentrations of VOCs. The sample of wax/cleaner reported concentrations of toluene 26,800 milligrams per kilogram (mg/kg), isopropylbenzene (5,800 mg/kg), methylene chloride (38,000 mg/kg), and toluene (18,500 mg/kg). The cleaner sample was originally run at a X50 dilution to protect the lab equipment and was rerun at a X5 dilution to lower the detection limit for TCE, which could only be lowered to <240 µg/kg.

It should be noted that according to the lab manager of Synergy, Mr. Mike Ricker, the footprint of the ambient air samples collected within Play It Again Sports at AMB-1 to AMB-5 and within the sanitary cleanouts at VP-9 and VP-10 are a conclusive match for the constituents identified in the wax/cleaner sample and although their instrumentation is not set up to quantify the chemicals identified, several cyclohexane derivatives and nonane were identified. These results are not included in a table since there are no standards to represent them.

It should be noted that at the request of the WDNR a Vapor Investigation Update was submitted to the WDNR on March 12, 2021. Based on a phone conversation with WDNR case manager Jeremy Mitchell after review of the information, the WDNR concluded that the TCE detected within the Play It Again Sports building was not attributable to the Former Neighborhood Cleaners Site and that the issue would be dealt with as an indoor air quality issue and that further testing of the off-site vapors was not necessary as it pertains to the Former Neighborhood Cleaners Site.

8.0 CONCLUSIONS, RECOMMENDATIONS, OPINIONS

Conclusion: GEC has performed a Site Investigation for the Former Neighborhood Cleaners formerly located at 611 West Northland Avenue in the City of Appleton, Outagamie County, Wisconsin.

Based on the site investigation work performed to date, it appears that the extent of soil contamination has been adequately defined by the performed soil probes, soil borings, and test pits. In addition, 1000.97 tons of CVOC contaminated soils have been removed from the Site and properly disposed within a landfill.

The horizonal and vertical extent of groundwater contamination has been defined based on the laboratory results at monitoring wells MW-1 to MW-6, piezometer PZ-1, and small diameter monitoring well TW-3. Additionally, the contaminant plume appears to be stable based on the two rounds of groundwater sampling performed at TW-6 to TW-10. The source area of residual soil contamination is covered by the new Aldi grocery store. Additionally, most of the groundwater plume is covered by the new Aldi grocery store and pavement drive areas. Therefore, further degradation of the groundwater through the soil to groundwater pathway appears unlikely.

Based on the soil, groundwater, and vapor analytical results for this case, it does not appear the ambient air detections of TCE within the building occupied by Play It Again Sports are attributable to the former Neighborhood Cleaners release based on the following:

- Forty-five soil samples have been collected during the previous Phase II ESA and site investigation activities from the apparent source area of the contamination and beyond. Only two soil samples identified TCE at concentrations above their laboratory method detection limits (42 J µg/kg at GP-24 (3-4 feet bgs) and 98J µg/kg at GP-25 (2-3 feet bgs)). Both of these shallow samples were obtained from above groundwater, and both had deeper samples obtained from the same soil borings in the saturated zone (6-7 feet bgs) with no detected CVOCs.

- Groundwater samples have been collected from 20 locations on the Site. TCE has been detected within the samples collected from TW-6, TW-8, TW-9, and TW-10 (primarily

within the source area) at concentrations ranging from 0.55J µg/L to 3.2 µg/L, which are below its NR 140 ES of 5 µg/L.

- The sub-slab vapor samples collected from beneath the new Aldi building (the northeast corner of the building is built over the source area) have reported PCE at concentrations ranging from <0.278 µg/m^3 to 31.4 µg/m^3, but detectable concentrations of TCE have not been reported. The sub-slab samples collected beneath the Play It Again Sports building all contained TCE at concentrations ranging from 0.86 µg/m^3 to 5.8 µg/m^3.

- The soil and groundwater samples collected from MW-6 and PZ-1 nearest to the Play It Again Sports building did not report detectable concentrations of VOCs.

- All ambient air samples collected within the Play It Again Sports building including those within utility drains or cleanouts have reported detectable concentrations of TCE, the highest of which were reported within the building (50 µg/m^3 to 65 µg/m^3).

- The PID screening performed within the Play It Again Sports building identified a vapor source near the ski application/stripping area in the northwest corner of the building where concentrations of 8000+ ppb were observed on the PID.

- According to the lab manager at Synergy (Mr. Mike Ricker) the footprint of the constituents detected in the ambient air samples throughout the Play It Again building and within the sanitary cleanout samples VP-10 and VP-11 is the same as those from the wax stripping chemical. As indicated previously, since the cleaner sample was pure product and had to be diluted the detection limit of trichloroethene could only be reported to <240 µg/kg. Ambient test results have only reported TCE to a maximum of 65 µg/m^3 and therefore, the test result of the cleaner was not definitive for TCE. According to the lab, the gas chromatograph indicates substantial peaks for several cyclohexane derivatives and nonane within the ambient air samples, which their instrument is not set up to quantitate but can identify.

The extent of soil and groundwater contamination has been defined, no vapor exceedances have been identified at the Site, and the WDNR has indicated that the off-site vapors identified at Play It Again Sports do not appear attributable to the release at the Site. Accordingly, it is recommended that a closure request be prepared. It is recommended that a Cap Maintenance Plan be performed for the area of the residual soil and groundwater contamination. The remediation system on the Site is planned to remain operational as a preventative measure; however, since VOCs have not been detected above the sub-slab VRSLs prior to operation of the system, it is recommended that the system not be required for closure, subject to review and concurrence by the WDNR.

Respectfully Submitted,

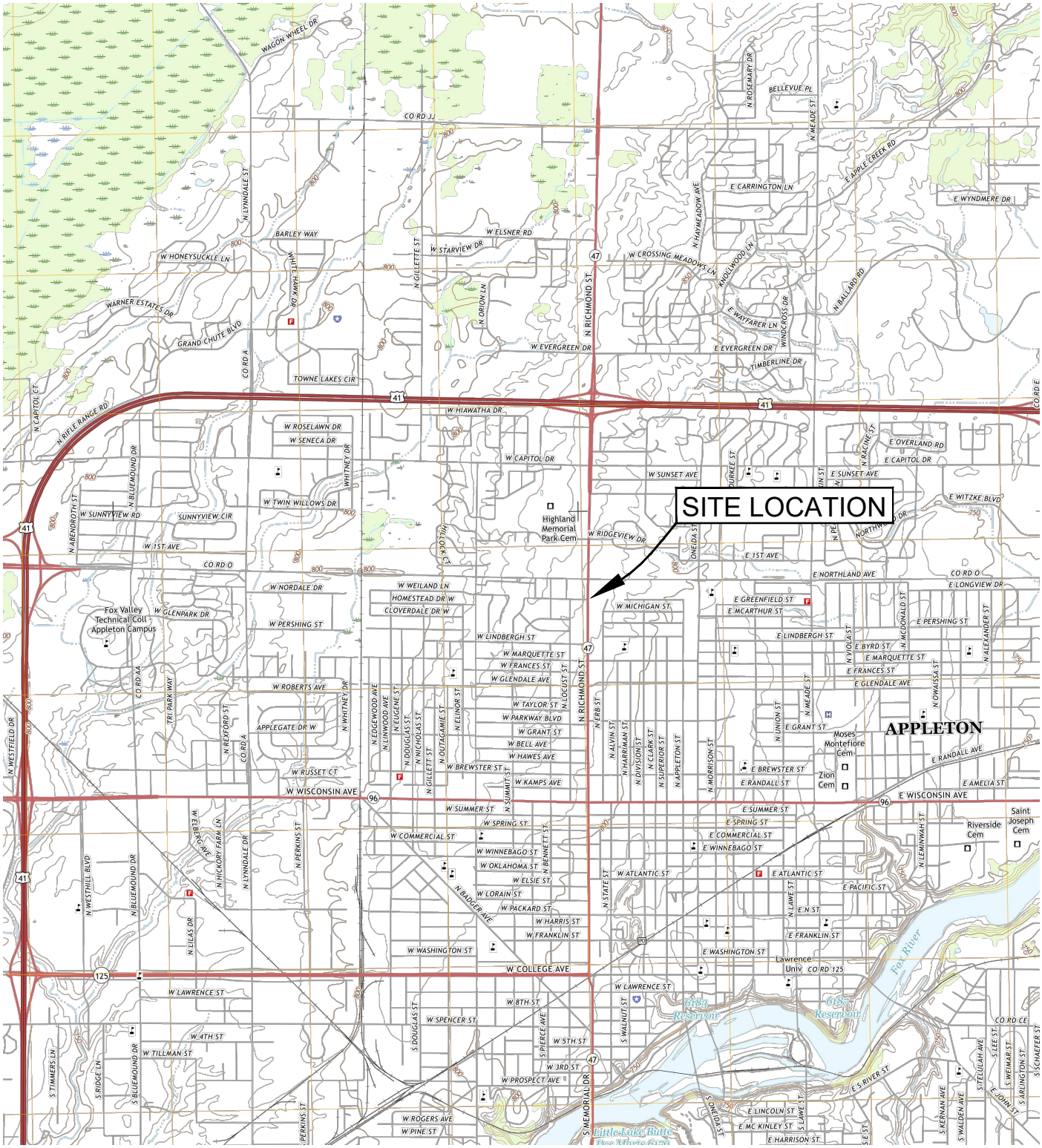
GENERAL ENGINEERING COMPANY

Brian Youngwirth
Environmental Project Manager

Bernadette Greenwood
Senior Geologist

ATTACHMENT A

FIGURES



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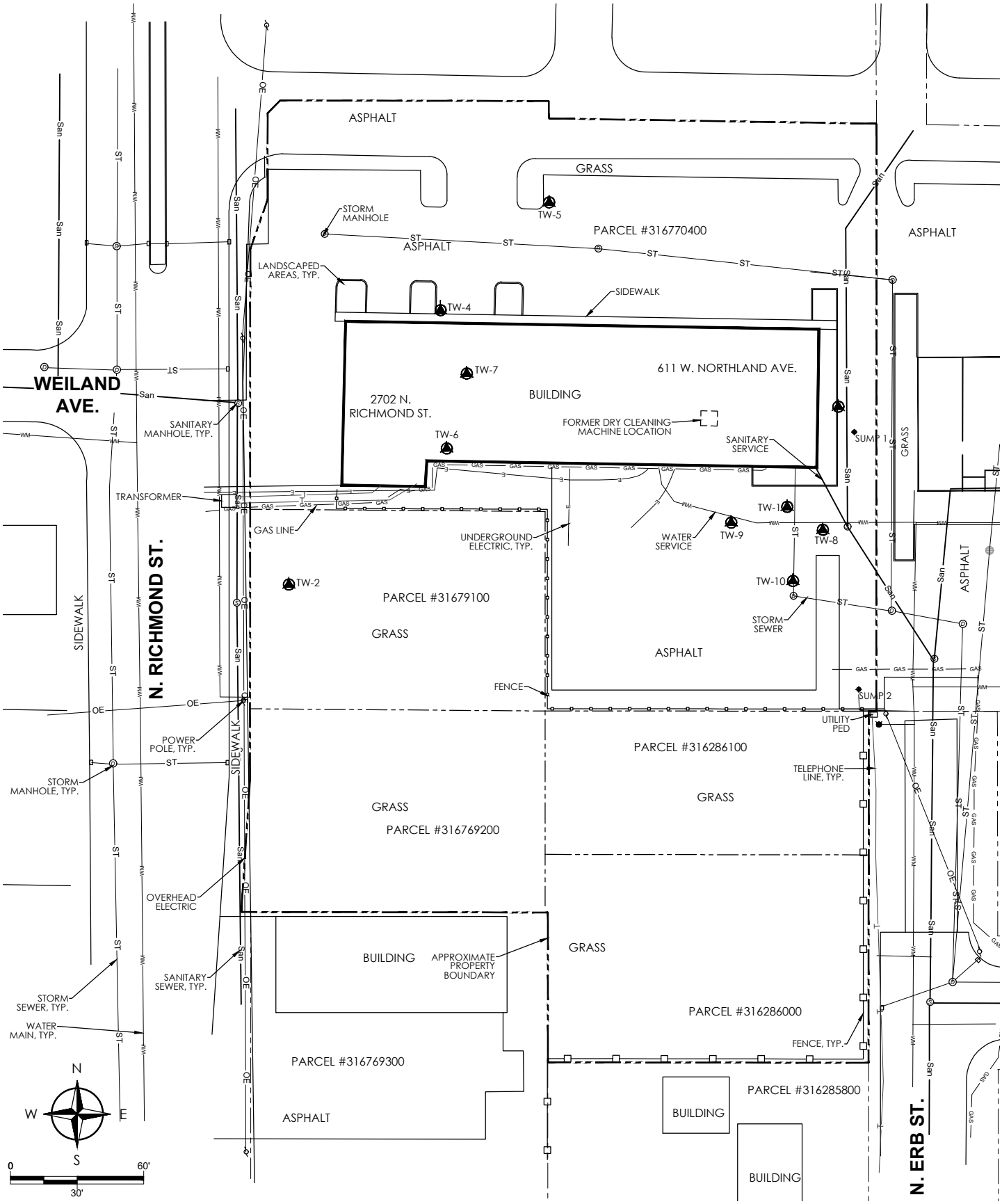
SITE LOCATION MAP

FORMER NEIGHBORHOOD CLEANERS
611 W. NORTHLAND AVE.
CITY OF APPLETON
OUTAGAMIE COUNTY, WI

DRAWN BY	KP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	**FIGURE 1**



LEGEND

EXISTING PROPERTY LINE

TW-1 SOIL BORING/SMALL DIAMETER MONITORING WELL

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FORMER SITE PLAN

FORMER NEIGHBORHOOD CLEANERS

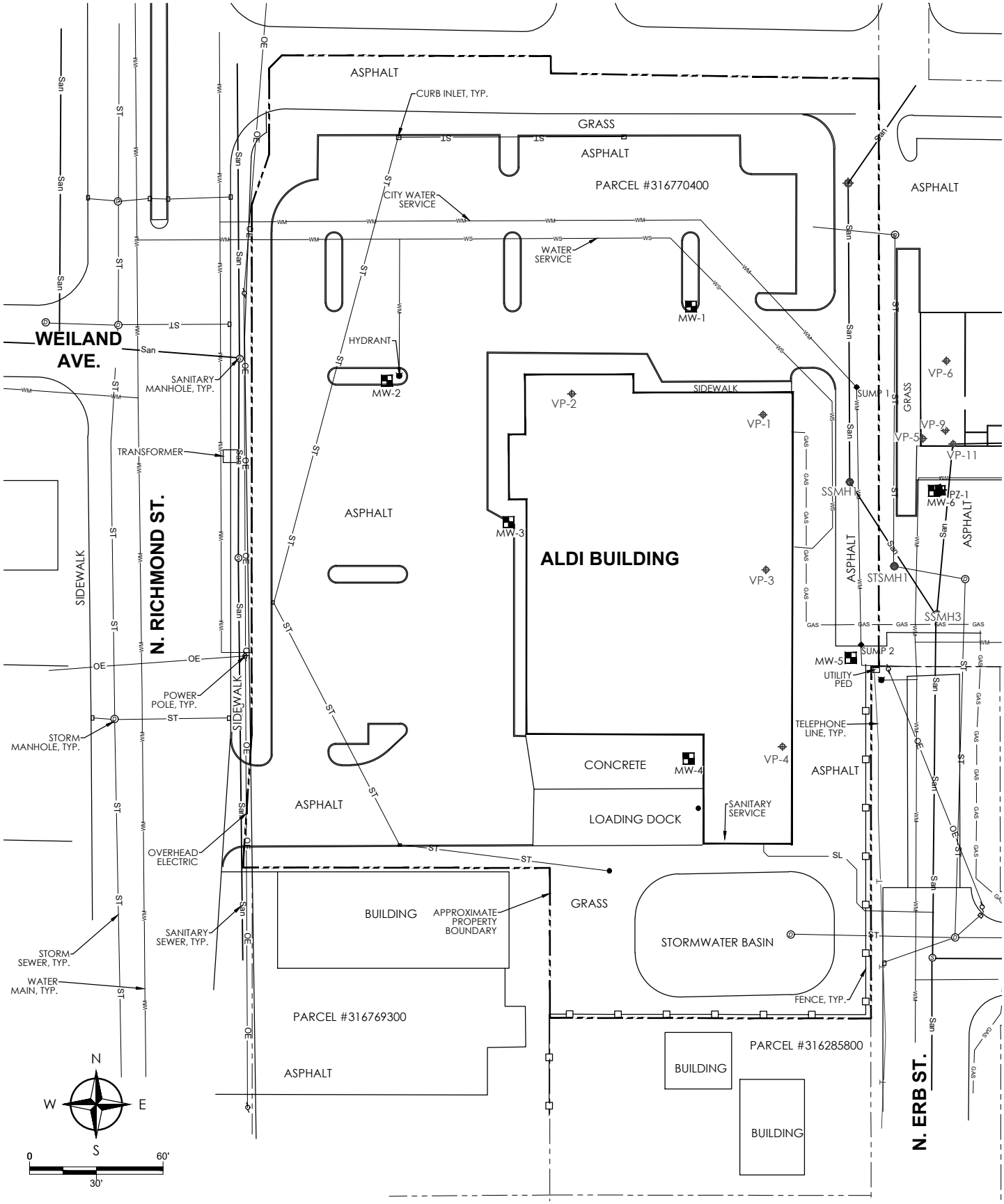
611 W. NORTHLAND AVE.

CITY OF APPLETON

OUTAGAMIE COUNTY, WI

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	

FIGURE 2



LEGEND

- EXISTING PROPERTY LINE
- MW-2 — MONITORING WELL
- VP-1 — SUBSLAB VAPOR SAMPLE
- SSMH1 / STSMH1 — UTILITY LINE VAPOR SAMPLE (BOTH SANITARY & STORM SEWER MANHOLES)

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CURRENT SITE PLAN

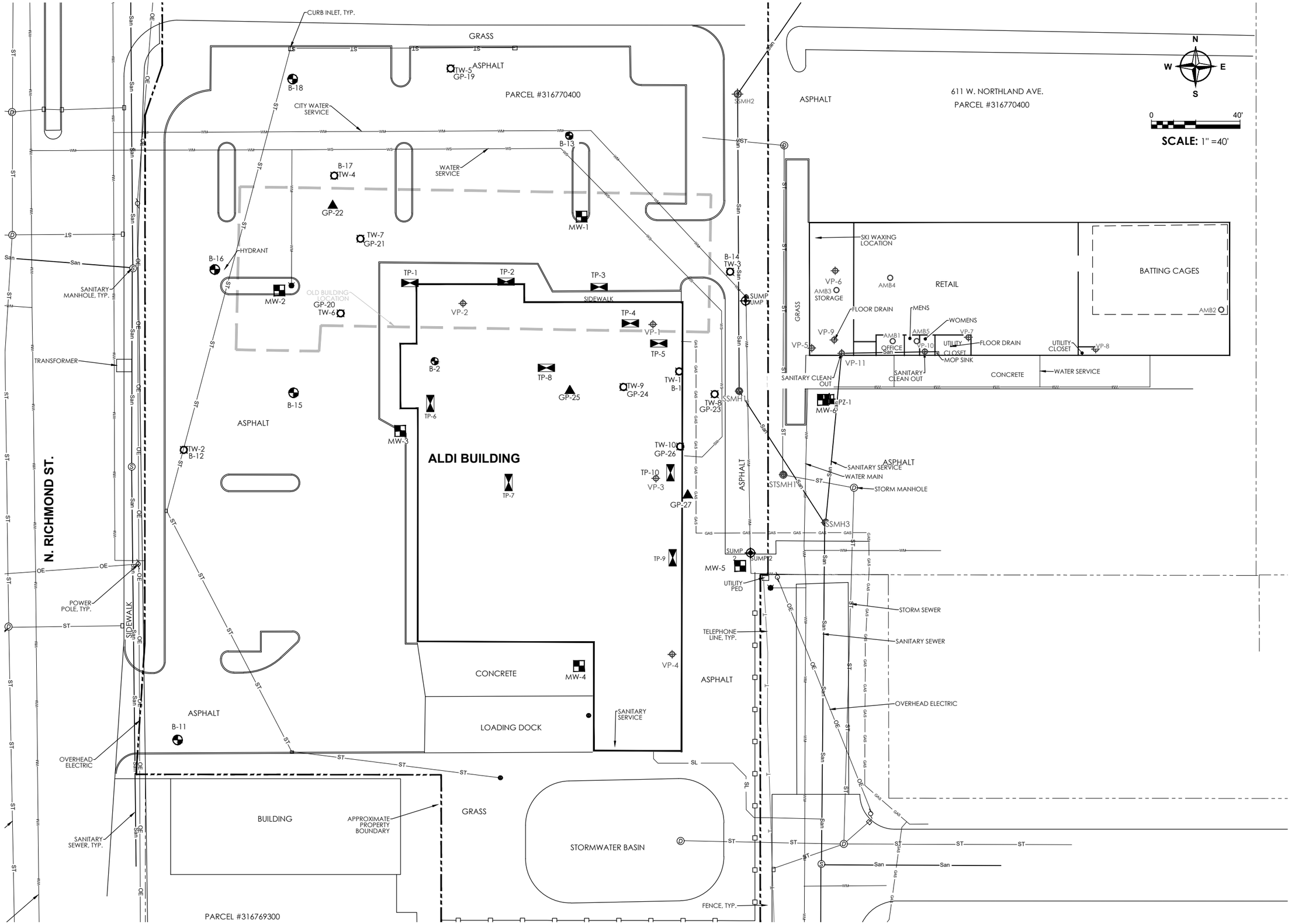
FORMER NEIGHBORHOOD CLEANERS

611 W. NORTHLAND AVE.

CITY OF APPLETON
OUTAGAMIE COUNTY, WI

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	

FIGURE 2A



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SOIL PROBE, BORING, TEST PIT, MONITORING WELL, AND VAPOR TEST LOCATION MAP

FORMER NEIGHBORHOOD CLEANERS

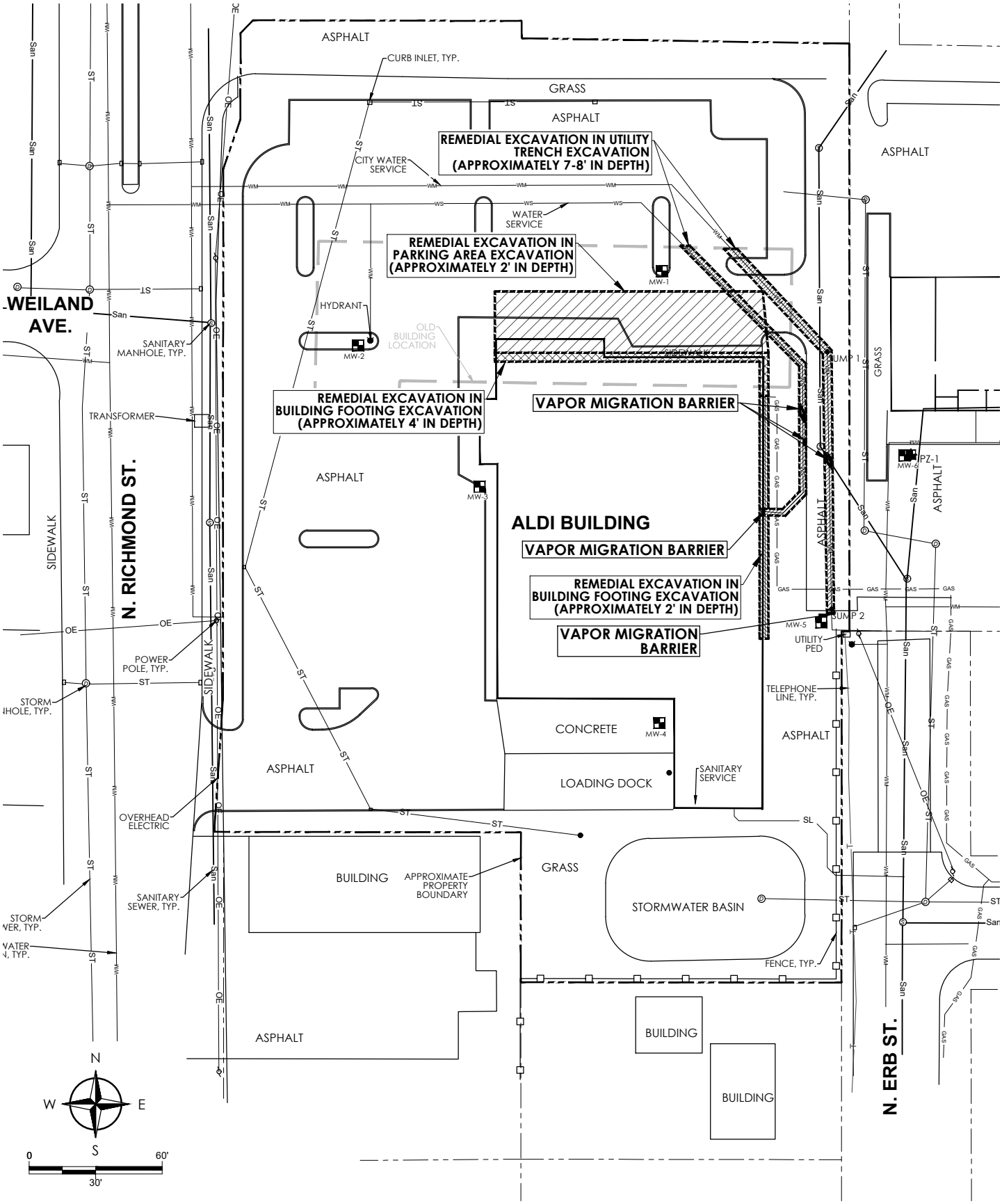
611 W. NORTHLAND AVE.
CITY OF APPLETON
OUTAGAMIE COUNTY, WI

LEGEND

- MW-1 MONITORING WELL
- PZ-1 PIEZOMETER WELL
- TW-2 SOIL PROBE & ABANDONED SMALL DIAMETER MONITORING WELL
- GP-1 GEOPROBE
- B-2 SOIL BORING
- TP-1 TEST PIT LOCATIONS
- AMB1 SUBSLAB VAPOR SAMPLE
- SSMH1 AMBIENT AIR SAMPLE
- UTILITY LINE VAPOR SAMPLE BOTH SANITARY & STORM SEWER MANHOLES

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0519-258
SHEET NO.	

FIGURE 3



LEGEND

EXISTING PROPERTY LINE

MW-2 MONITORING WELL

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LIMITS OF REMEDIAL EXCAVATION

FORMER NEIGHBORHOOD CLEANERS

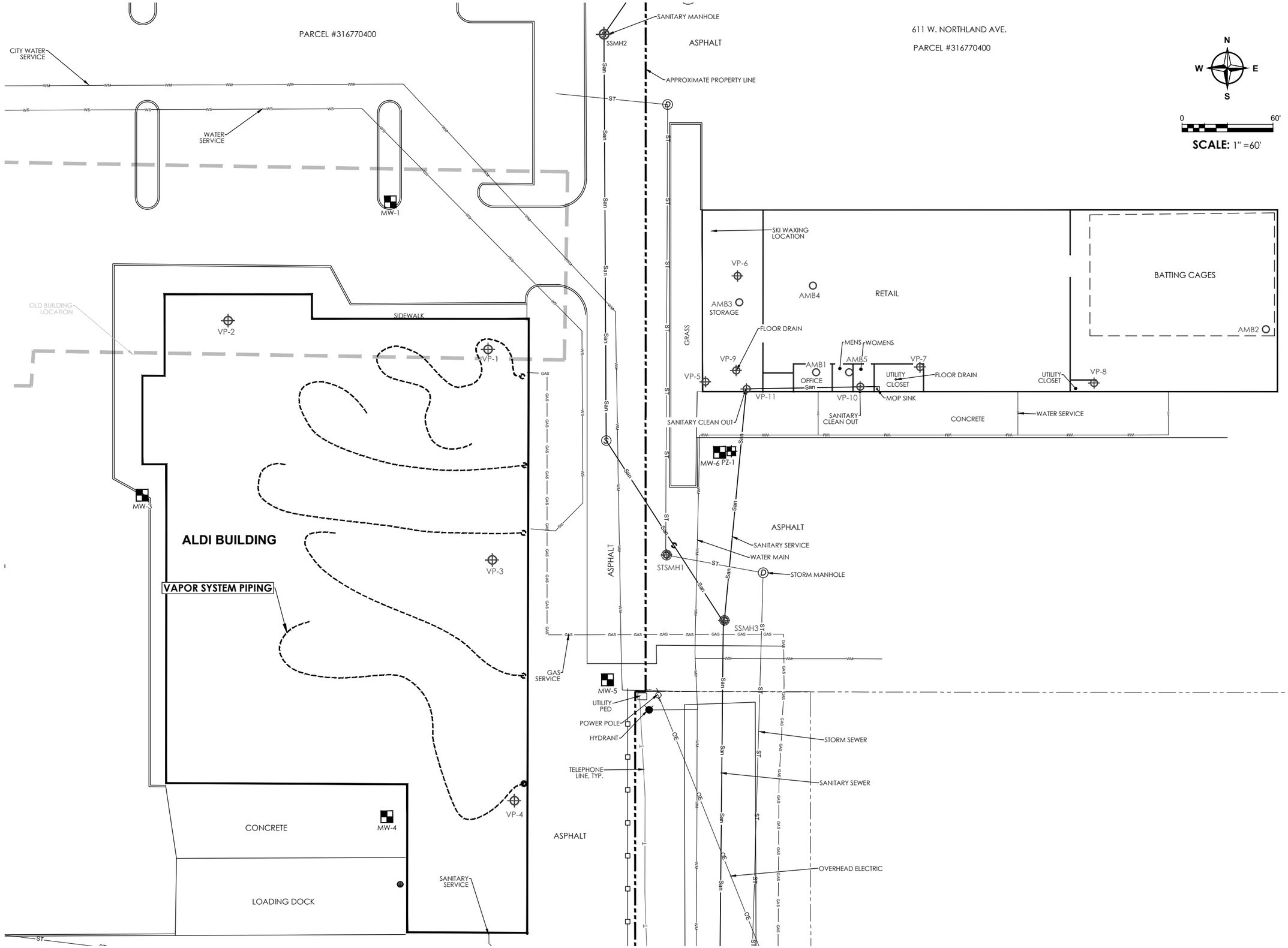
611 W. NORTHLAND AVE.

CITY OF APPLETON

OUTAGAMIE COUNTY, WI

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	

FIGURE 4



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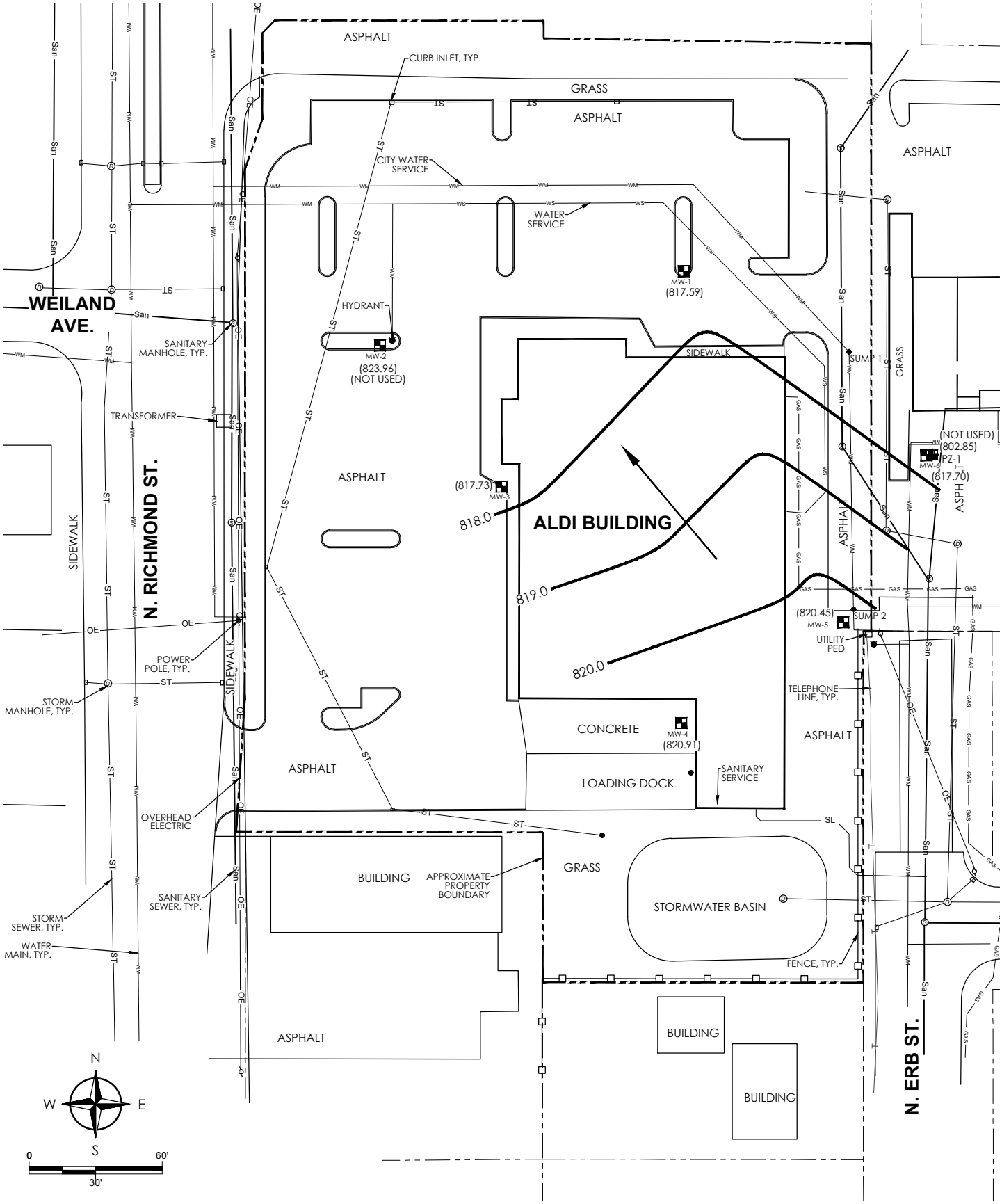
VAPOR MITIGATION SYSTEM LAYOUT AND VAPOR TESTING LOCATION MAP
FORMER NEIGHBORHOOD CLEANERS
611 W. NORTHLAND AVENUE
CITY OF APPLETON
OUTAGAMIE COUNTY, WI

LEGEND

- EXISTING PROPERTY LINE
- MW-2 MONITORING WELL
- PZ-1 PIEZOMETER WELL
- VP-1 VAPOR SYSTEM PIPING
- SSMH1 STSMH1 SUBSLAB VAPOR SAMPLE
- AMB1 UTILITY LINE VAPOR SAMPLE BOTH SANITARY & STORM SEWER MANHOLES
- AMBIENT AIR SAMPLE

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0519-258
SHEET NO.	

FIGURE 5



LEGEND

- EXISTING PROPERTY LINE
- MW-2 — MONITORING WELL
- PZ-1 — PIEZOMETER WELL

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GROUNDWATER ELEVATION CONTOUR & FLOW DIRECTION MAP - DECEMBER 2, 2020

FORMER NEIGHBORHOOD CLEANERS

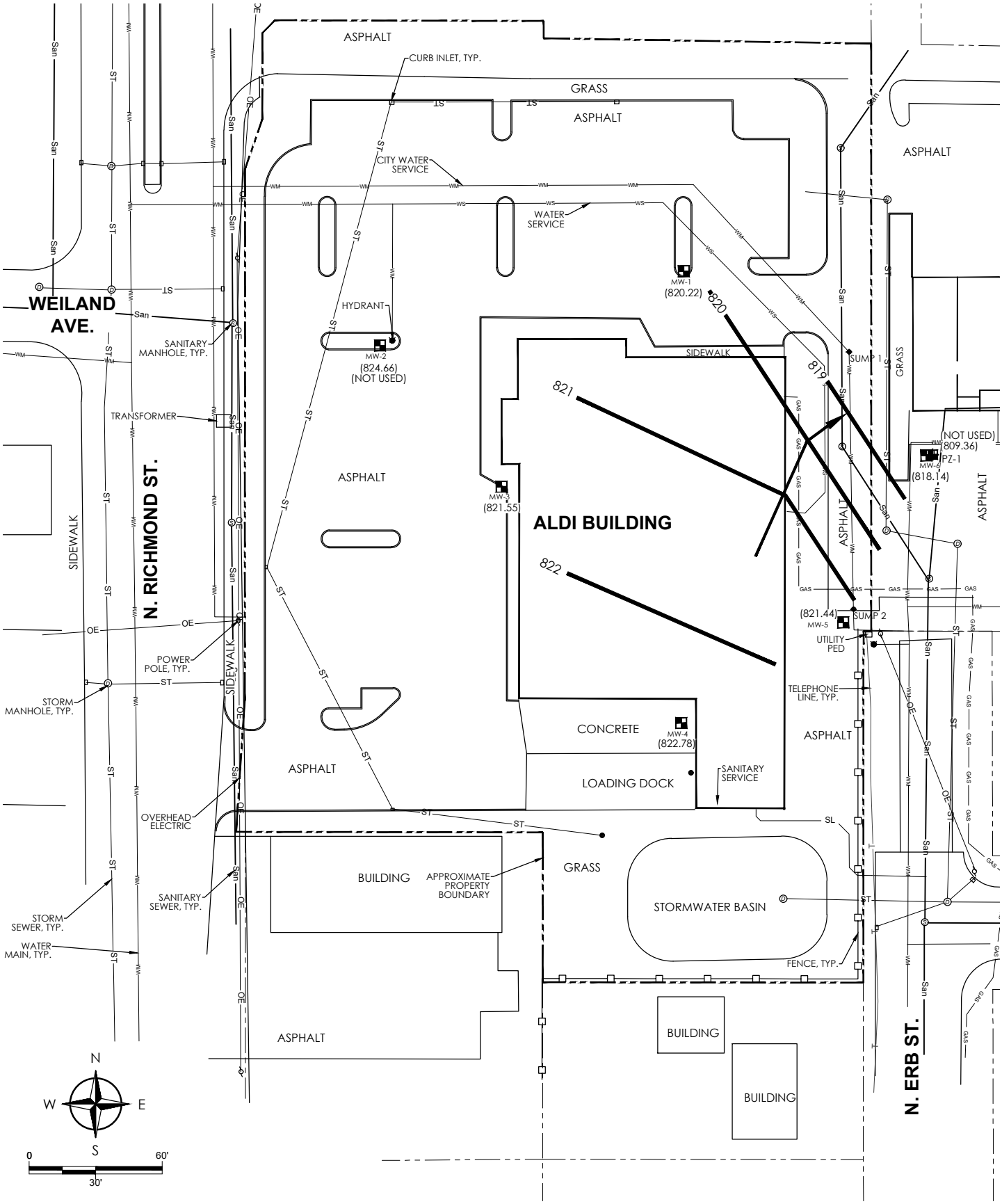
611 W. NORTHLAND AVE.

CITY OF APPLETON

OUTAGAMIE COUNTY, WI

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	

FIGURE 6



LEGEND

- EXISTING PROPERTY LINE
- MW-2 — MONITORING WELL
- PZ-1 — PIEZOMETER WELL

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GROUNDWATER ELEVATION CONTOUR & FLOW DIRECTION MAP - MARCH 16, 2021

FORMER NEIGHBORHOOD CLEANERS

611 W.NORTHLAND AVE.

CITY OF APPLETON

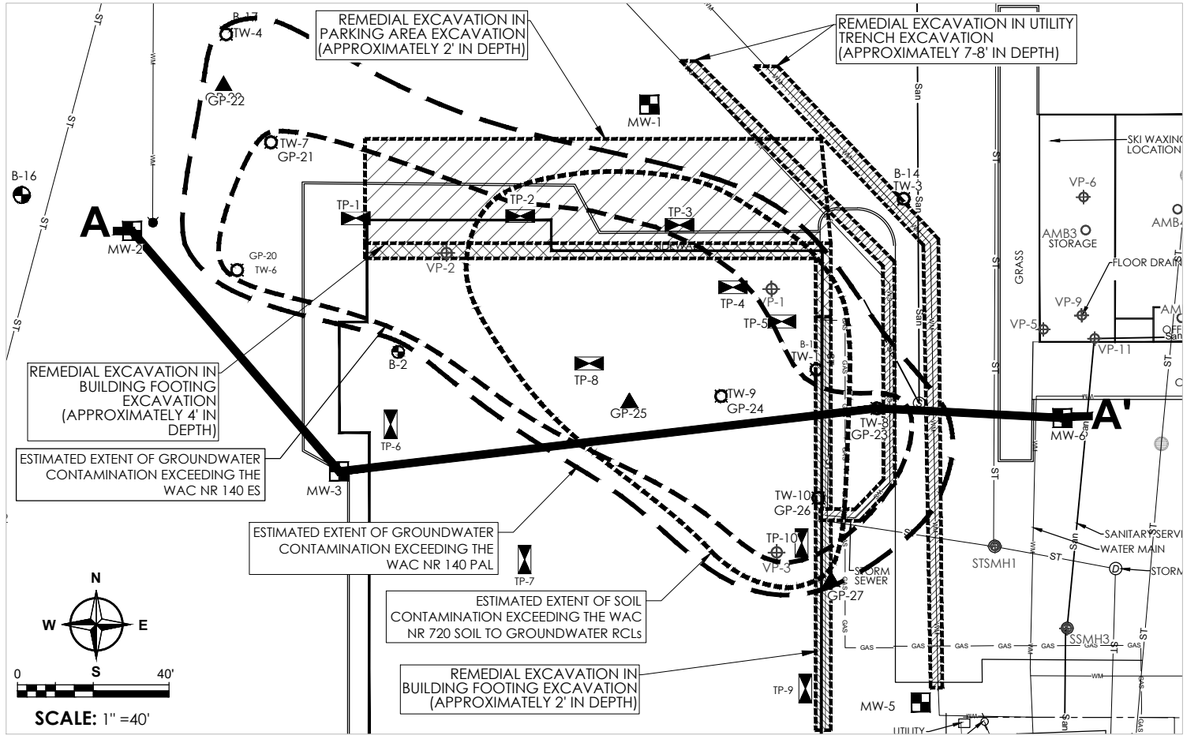
OUTAGAMIE COUNTY, WI

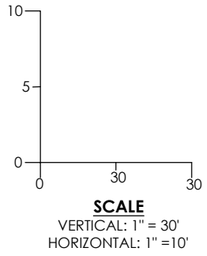
DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	

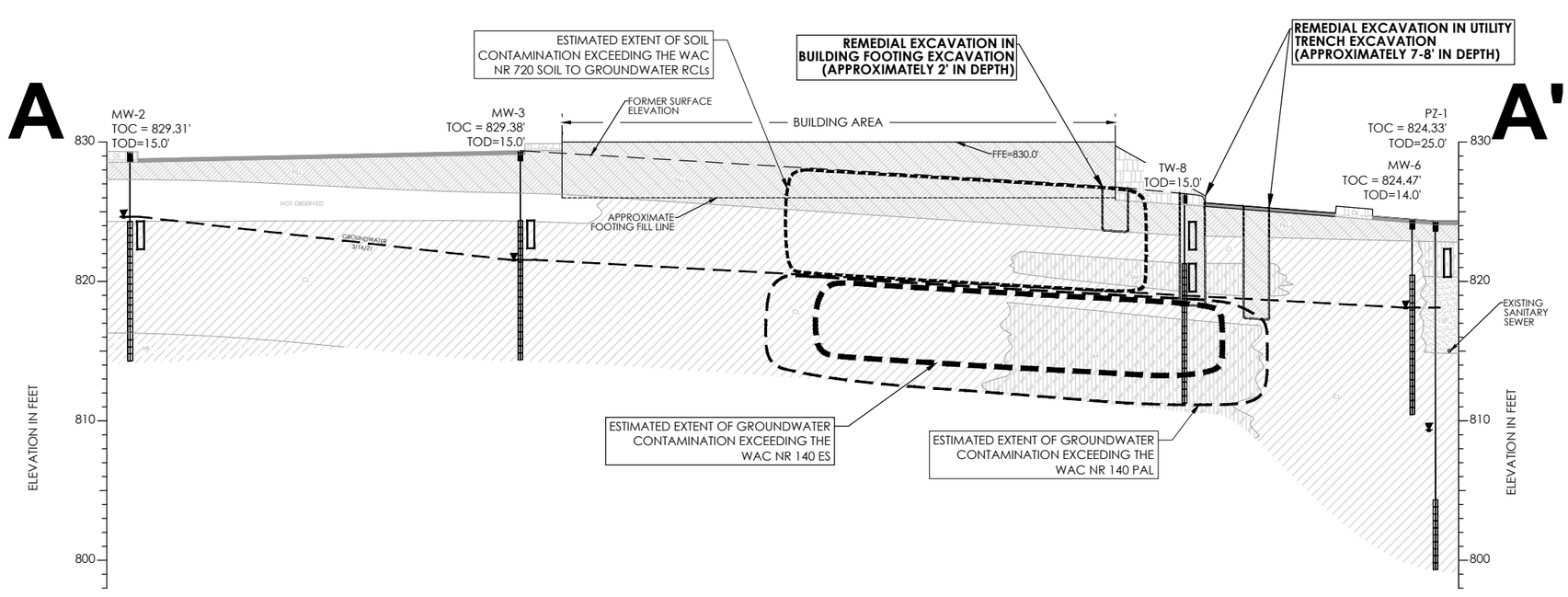
FIGURE 7

EXPLANATION

MONITORING WELL	SOIL DESCRIPTION	
TOC - TOP OF WELL CASING MONITORING WELL SOIL SAMPLE LOCATION SOIL SAMPLE EXCEEDING NR 720 NC RCL GROUNDWATER ELEVATIONS (3/16/21) MONITORING WELL SCREEN TD - TOTAL DEPTH OF BORING		ASPHALT - See Soil Boring Logs
	FILL	See Soil Boring Logs
	OL	Organic silts, sand silt and organic silt-clay mixtures of low plasticity.
	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
	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity







GEOLOGIC CROSS-SECTION A-A'
FORMER NEIGHBORHOOD CLEANERS
611 W. NORTHLAND AVENUE
CITY OF APPLETON
OUTAGAMIE COUNTY, WI

LEGEND
- EXISTING PROPERTY LINE
- MONITORING WELL (MW-2)
- SOIL PROBE & ABANDONED SMALL DIAMETER MONITORING WELL (TW-2, GP-1)
- PIEZOMETER WELL (PZ-1)
- SOIL BORING (B-2)
- GEOPROBE (GP-1)
- TEST PIT LOCATIONS (TP-1)

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REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0519-258
SHEET NO.	

FIGURE 8

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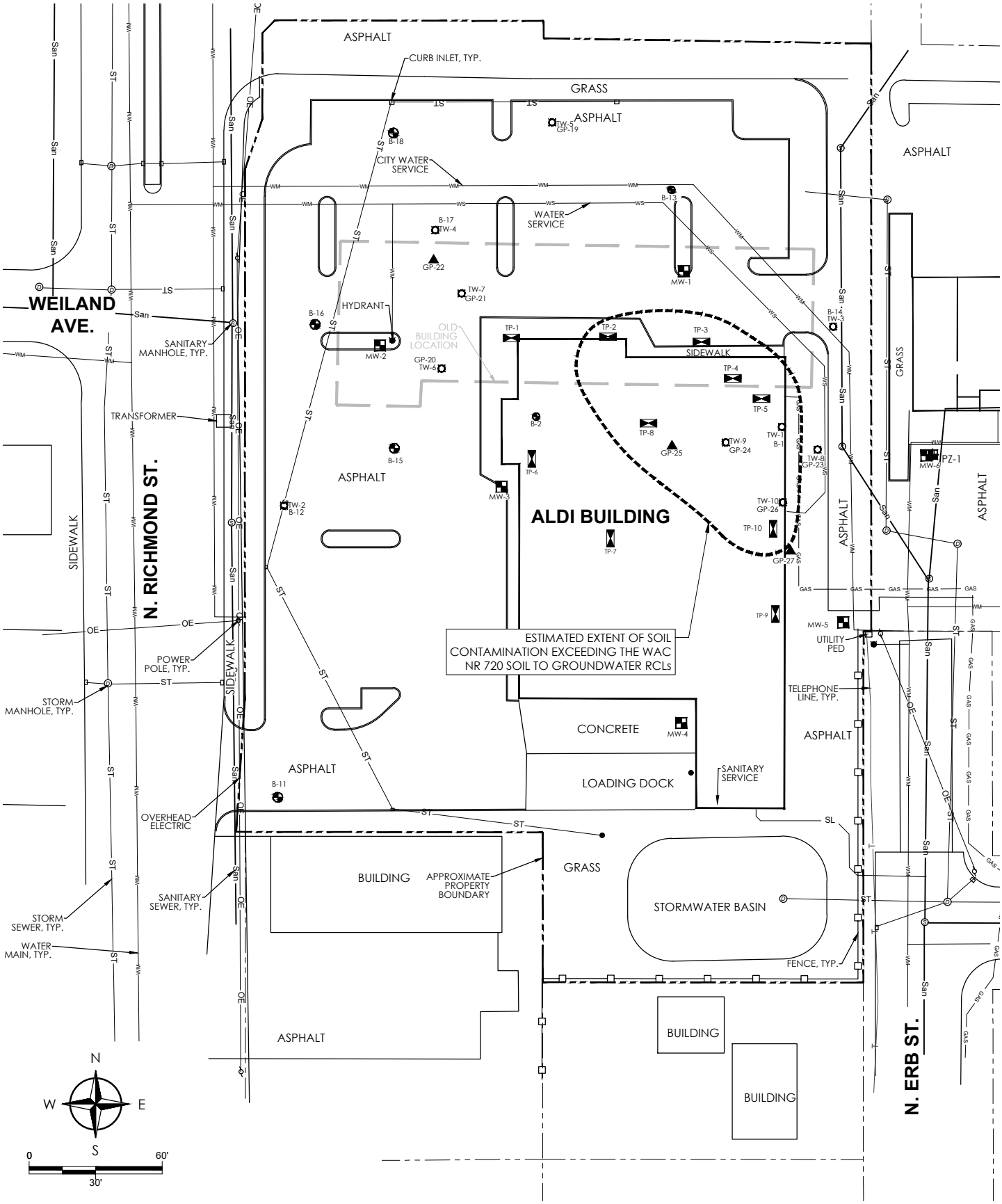

LEGEND

- MW-2 / B-2 — SOIL BORING & MONITORING WELL
- PZ-1 — PIEZOMETER WELL
- TW-2 / GP-1 — SOIL PROBE & ABANDONED SMALL DIAMETER MONITORING WELL
- B-2 — SOIL BORING
- GP-1 — GEOPROBE
- TP-1 — TEST PIT LOCATIONS

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ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING THE WAC NR 720 SOIL TO GROUNDWATER RCLs

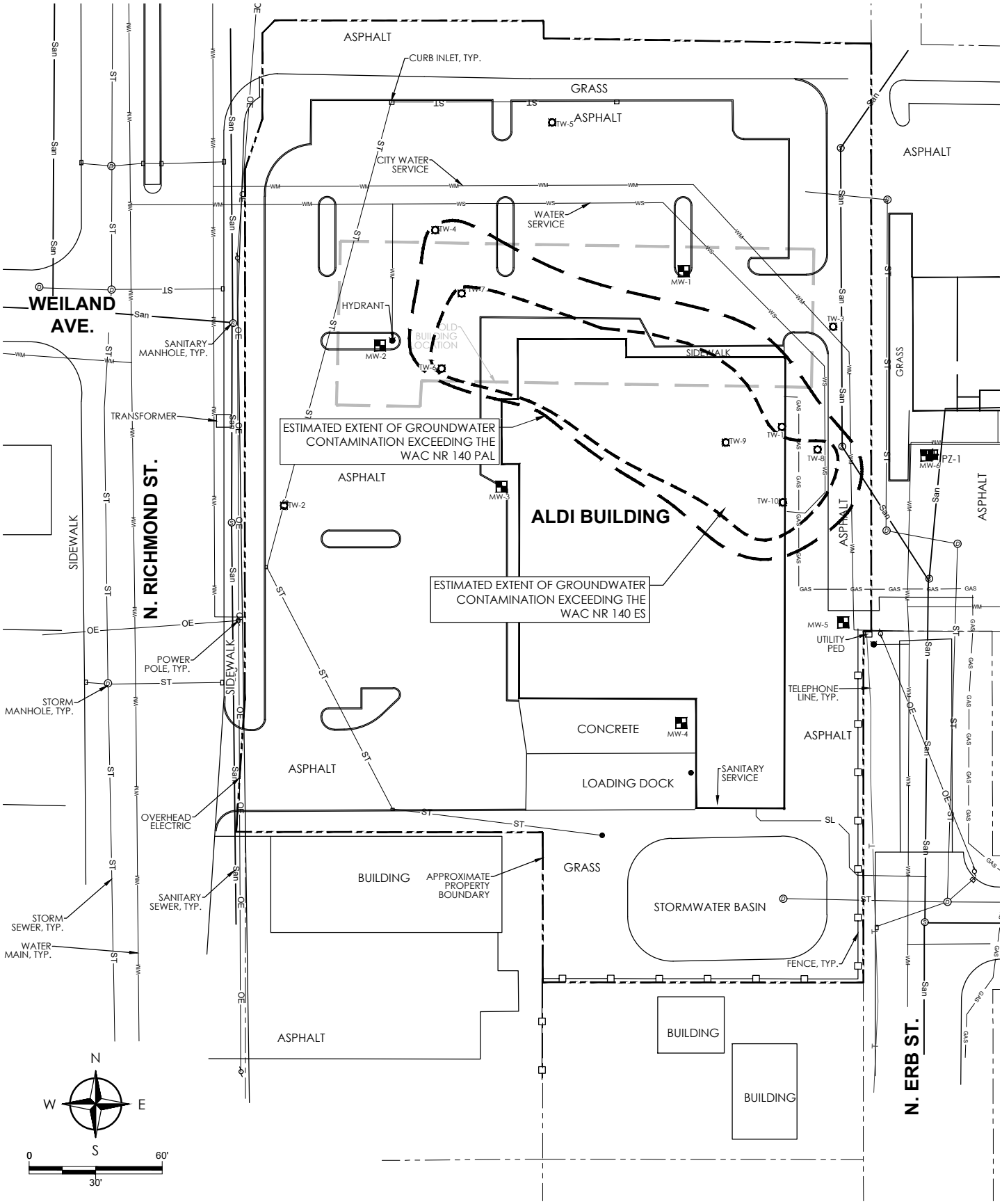
FORMER NEIGHBORHOOD CLEANERS

CITY OF APPLETON

OUTAGAMIE COUNTY, WI

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	

FIGURE 9



LEGEND

- MW-2 — MONITORING WELL
- PZ-1 — PIEZOMETER WELL
- TW-2 — ABANDONED SMALL DIAMETER MONITORING WELL

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ESTIMATED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING THE WAC NR 140 ES/PAL

FORMER NEIGHBORHOOD CLEANERS

CITY OF APPLETON

OUTAGAMIE COUNTY, WI

DRAWN BY	KSP
REVIEWED BY	BLY
ISSUE DATE	MARCH 2021
GEC FILE NO.	2-0120-82
SHEET NO.	

FIGURE 10

ATTACHMENT B

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Sample No.	NR 720 Non-Industrial Cancer RCL	WDNR NR 720 Non-Industrial Direct Contact RCL	WDNR NR 720 Soil to Groundwater RCL	B-1	B-12	B-13	B-14	B-15	B-16	B-18	
Sampling Date				10/29/2019	10/29/2019	10/29/2019	10/29/2019	10/29/2019	10/29/2019	10/29/2019	
Sample Depth (feet)				4.5-6 (U/S)	3-5 (U)	8-10 (S)	3-5 (U)	8-10 (S)	8-10 (S)	3-5 (U)	8-10 (S)
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)											
Benzene	1,600	1,600	5.1	<30	<30	<30	<30	<30	<30	<30	<30
cis 1,2 Dichloroethene	NE	156,000	41.2	<32	<32	<32	<32	<32	<32	<32	<32
Ethylbenzene	8,020	8,020	1,570	<35	<35	<35	<35	<35	<35	<35	<35
Methyl tert-butyl ether	63,800	63,800	27	<50	<50	<50	<50	<50	<50	<50	<50
Tetrachloroethene	33,000	33,000	4.5	**151**	<32	<32	<32	<32	<32	<32	<32
Toluene	NE	818,000	1,107.2	<32	<32	<32	<32	<32	<32	<32	<32
Trichloroethene	1,300	1,300	3.6	<41	<41	<41	<41	<41	<41	<41	<41
1,2,4-Trimethylbenzene	NE	219,000	1,378.7	<25	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	NE	182,000		<32	<32	<32	<32	<32	<32	<32	<32
Vinyl Chloride	67	67	0.1	<19	<19	<19	<19	<19	<19	<19	<19
Xylenes, -m, -p	NE	260,000	3,960	<116	<116	<116	<116	<116	<116	<116	<116
Xylenes, -o											

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
RCL = Residual Contaminant Level
U=Unsaturated S=Saturated
DCL = Direct-Contact Levels
NE = NR 720 RCL not established

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Sample No.	NR 720 Non-Industrial Cancer RCL	WDNR NR 720 Non-Industrial Direct Contact RCL	WDNR NR 720 Soil to Groundwater RCL	GP-19	GP-20		GP-21		GP-22	
Sampling Date				1/13/2020	1/13/2020		1/13/2020		1/13/2020	
Sample Depth (feet)				3-5 (U)	3-5 (U)	8-10 (S)	3-5 (U)	5-7 (S)	3-5 (U)	7-9 (S)
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)										
Benzene	1,600	1,600	5.1	<30	<30	<30	<30	<30	<30	<30
cis 1,2 Dichloroethene	NE	156,000	41.2	<32	<32	<32	<32	<32	<32	<32
Ethylbenzene	8,020	8,020	1,570	<35	<35	<35	<35	<35	<35	<35
Methyl tert-butyl ether	63,800	63,800	27	<50	<50	<50	<50	<50	<50	<50
Tetrachloroethene	33,000	33,000	4.5	<32	<32	<32	<32	<32	<32	<32
Toluene	NE	818,000	1,107.2	<32	<32	<32	<32	<32	<32	<32
Trichloroethene	1,300	1,300	3.6	<41	<41	<41	<41	<41	<41	<41
1,2,4-Trimethylbenzene	NE	219,000	1,378.7	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	NE	182,000		<32	<32	<32	<32	<32	<32	<32
Vinyl Chloride	67	67	0.1	<19	<19	<19	<19	<19	<19	<19
Xylenes, -m, -p	NE	260,000	3,960	<116	<116	<116	<116	<116	<116	<116
Xylenes, -o										

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
RCL = Residual Contaminant Level
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DCL = Direct-Contact Levels
NE = NR 720 RCL not established

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Sample No.	NR 720 CANCER RCL	WDNR NR 720 Non-Industrial Direct Contact RCL	WDNR NR 720 Soil to Groundwater RCL	GP-23		GP-24		GP-25		GP-26		GP-27	
Sampling Date				1/13/2020		1/13/2020		1/13/2020		1/13/2020		1/13/2020	
Sample Depth (feet)				2-4 (U)	5-7 (S)	3-4 (U)	6-7 (S)	2-3 (U)	6-7 (S)	2-3 (U)	6-7 (S)	1-2 (U)	6-7 (S)
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)													
Benzene	1,600	1,600	5.1	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
cis 1,2 Dichloroethene	NE	156,000	41.2	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32
trans-1,2 Dichloroethene	NE	1,560,000	62.6	<28	<28	33J	<28	<28	<28	<28	<28	<28	<28
Ethylbenzene	8,020	8,020	1,570	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35
Methyl tert-butyl ether	63,800	63,800	27	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Tetrachloroethene	33,000	33,000	4.5	<32	<32	<32	**135**	**79J**	<32	<32	**64J**	<32	<32
Toluene	NE	818,000	1,107.2	<32	<32	<32	<32	<32	<32	<32	<32	<32	<32
Trichloroethene	1,300	1,300	3.6	<41	<41	**42J**	<41	**98J**	<41	<41	<41	<41	<41
1,2,4-Trimethylbenzene	NE	219,000	1,378.7	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	NE	182,000		<32	<32	<32	<32	<32	<32	<32	<32	<32	<32
Vinyl Chloride	67	67	0.1	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19
Xylenes, -m, -p	NE	260,000	3,960	<116	<116	<116	<116	<116	<116	<116	<116	<116	<116
Xylenes, -o													

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
RCL = Residual Contaminant Level
U=Unsaturated S=Saturated
DCL = Direct-Contact Levels
NE = NR 720 RCL not established

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Sample No.	NR 720 CANCER RCL	WDNR NR 720 Non-Industrial Direct Contact RCL	WDNR NR 720 Soil to Groundwater RCL	TP-1		TP-2		TP-3		TP-4	
Sampling Date				5/22/2020		5/22/2020		5/22/2020		5/22/2020	
Sample Depth (feet)				1 (U)	5 (S)	1 (U)	5 (S)	1 (U)	5 (S)	2 (U)	5 (S)
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)											
Benzene	1,600	1,600	5.1	<30	<30	<30	<30	<30	<30	<30	<30
cis 1,2 Dichloroethene	NE	156,000	41.2	<32	<32	<32	<32	<32	<32	<32	<32
trans-1,2 Dichloroethene	NE	1,560,000	62.6	<28	<28	33J	<28	<28	<28	<28	<28
Ethylbenzene	8,020	8,020	1,570	<35	<35	<35	<35	<35	<35	<35	<35
Methyl tert-butyl ether	63,800	63,800	27	<50	<50	<50	<50	<50	<50	<50	<50
Tetrachloroethene	33,000	33,000	4.5	<32	<32	**171**	**370**	<32	**58J**	<32	**234**
Toluene	NE	818,000	1,107.2	<32	<32	<32	<32	<32	<32	<32	<32
Trichloroethene	1,300	1,300	3.6	<41	<41	<41	<41	<41	<41	<41	<41
1,2,4-Trimethylbenzene	NE	219,000	1,378.7	<25	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	NE	182,000	1,378.7	<32	<32	<32	<32	<32	<32	<32	<32
Vinyl Chloride	67	67	0.1	<19	<19	<19	<19	<19	<19	<19	<19
Xylenes, -m, -p	NE	260,000	3,960	<116	<116	<116	<116	<116	<116	<116	<116
Xylenes, -o											

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
RCL = Residual Contaminant Level
U=Unsaturated S=Saturated
DCL = Direct-Contact Levels
NE = NR 720 RCL not established

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Sample No.	NR 720 CANCER RCL	WDNR NR 720 Non-Industrial Direct Contact RCL	WDNR NR 720 Soil to Groundwater RCL	TP-5	TP-6	TP-7	TP-8	TP-9	TP-10
Sampling Date				5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020
Sample Depth (feet)				2 (U)	3 (U)	4 (U)	2 (U)	3 (U)	3 (U)
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)									
Benzene	1,600	1,600	5.1	<30	<30	<30	<30	<30	<30
cis 1,2 Dichloroethene	NE	156,000	41.2	<32	<32	<32	<32	<32	<32
trans-1,2 Dichloroethene	NE	1,560,000	62.6	<28	<28	<28	<28	<28	<28
Ethylbenzene	8,020	8,020	1,570	<35	<35	<35	<35	<35	<35
Methyl tert-butyl ether	63,800	63,800	27	<50	<50	<50	<50	<50	<50
Tetrachloroethene	33,000	33,000	4.5	**177**	<32	<32	**75J**	<32	**32J**
Toluene	NE	818,000	1,107.2	<32	<32	<32	<32	<32	<32
Trichloroethene	1,300	1,300	3.6	<41	<41	<41	<41	<41	<41
1,2,4-Trimethylbenzene	NE	219,000	1,378.7	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	NE	182,000	1,378.7	<32	<32	<32	<32	<32	<32
Vinyl Chloride	67	67	0.1	<19	<19	<19	<19	<19	<19
Xylenes, -m, -p	NE	260,000	3,960	<116	<116	<116	<116	<116	<116
Xylenes, -o									

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
RCL = Residual Contaminant Level
U=Unsaturated S=Saturated
DCL = Direct-Contact Levels
NE = NR 720 RCL not established

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Sample No.	NR 720 CANCER RCL	WDNR NR 720 Non-Industrial Direct Contact RCL	WDNR NR 720 Soil to Groundwater RCL	MW-1	MW-2	MW-3	MW-4	MW-5	PZ-1
Sampling Date				11/2/2020	11/2/2020	11/2/2020	11/2/2020	11/3/2020	11/3/2020
Sample Depth (feet)				4-5 (U)	5-7 (S)	5-7 (U)	5-7 (U)	1-3 (U)	2-4 (U)
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)									
Benzene	1,600	1,600	5.1	<15	<15	<15	<15	<15	<15
cis 1,2 Dichloroethene	NE	156,000	41.2	<21	<21	<21	<21	<21	<21
trans-1,2 Dichloroethene	NE	1,560,000	62.6	<38	<38	<38	<38	<38	<38
Ethylbenzene	8,020	8,020	1,570	<19	<19	<19	<19	<19	<19
Methyl tert-butyl ether	63,800	63,800	27	<41	<41	<41	<41	<41	<41
Tetrachloroethene	33,000	33,000	4.5	<40	<40	<40	<40	<40	<40
Toluene	NE	818,000	1,107.2	<32	<32	<32	<32	<32	<32
Trichloroethene	1,300	1,300	3.6	<48	<48	<48	<48	<48	<48
1,2,4-Trimethylbenzene	NE	219,000	1,378.7	<54	<54	<54	<54	<54	<54
1,3,5-Trimethylbenzene	NE	182,000	1,378.7	<17	<17	<17	<17	<17	<17
Vinyl Chloride	67	67	0.1	<66	<66	<66	<66	<66	<66
Xylenes, -m, -p	NE	260,000	3,960	<111	<111	<111	<111	<111	<111
Xylenes, -o									

J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results exceed NR 720 RCL or generic RCL for direct contact or groundwater pathway
RCL = Residual Contaminant Level
U=Unsaturated S=Saturated
DCL = Direct-Contact Levels
NE = NR 720 RCL not established

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS- 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Monitoring Well	NR 140		B-2	TW-1	TW-2	TW-3	TW-4
Sampling Date	**ES**	**PAL**	**10/30/2019**	**10/31/2019**	**11/5/2019**	**10/31/2019**	**10/30/2019**
VOLATILE ORGANIC COMPOUNDS (VOC) (µg/L)							
Benzene	5	0.5	<0.22	<0.22	<0.22	<0.22	<0.22
1,1 Dichloroethane	850	85	<0.36	<0.36	<0.36	<0.36	0.7J
cis 1,2 Dichloroethene	70	7	<0.37	<0.37	<0.37	<0.37	<0.37
trans 1,2 Dichloroethene	100	20	<0.34	<0.34	<0.34	<0.34	<0.34
Ethylbenzene	700	140	<0.26	<0.26	<0.26	<0.26	<0.26
p-Isopropyltoluene	NE	NE	<0.24	<0.24	<0.24	<0.24	<0.24
Methyl tert-butyl ether	60	12	<0.28	<0.28	<0.28	<0.28	<0.28
Tetrachloroethene	5	0.5	<0.38	*0.69J*	<0.38	<0.38	*0.87J*
Toluene	800	160	<0.19	<0.19	<0.19	<0.19	0.31J
Trichloroethene	5	0.5	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trimethylbenzene	480	96	<0.8	<0.8	<0.8	<0.8	<0.8
1,3,5-Trimethylbenzene			<0.63	<0.63	<0.63	<0.63	<0.63
Vinyl Chloride	0.2	0.02	<0.2	<0.2	<0.2	<0.2	<0.2
Xylenes, o	2000	400	<0.43	<0.43	<0.43	<0.43	<0.43
Xylenes, -m, -p			<0.29	<0.29	<0.29	<0.29	<0.29

NE = NR 140 ES not established

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

Italics indicated analytical results above NR 140 PAL

Bold indicates analytical results above NR 140 ES

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Monitoring Well	NR 140		TW-5		TW-6		TW-7		TW-8		TW-9		TW-10		Sump	Sump 2
Sampling Date	ES	PAL	1/17/2020	4/15/2020	1/17/2020	4/15/2020	1/17/2020	4/15/2020	1/17/2020	4/15/2020	1/17/2020	4/15/2020	1/17/2020	4/15/2020	6/1/2020	6/3/2020
VOLATILE ORGANIC COMPOUNDS (VOC) (µg/L)																
Benzene	5	0.5	<0.22	<0.33	<0.22	<0.33	<0.22	*2.03*	<0.22	<0.33	<0.22	<0.33	<0.22	<0.33	<0.33	<0.33
1,1 Dichloroethane	850	85	<0.36	<0.46	1.22	3.3	1.67	<0.46	<0.36	<0.46	<0.36	<0.46	<0.36	<0.46	<0.46	<0.46
cis 1,2 Dichloroethene	70	7	<0.37	<0.39	<0.37	<0.39	<0.37	0.41J	<0.37	<0.39	0.48J	3.8	1.54	<0.39	<0.39	<0.39
trans 1,2 Dichloroethene	100	20	<0.34	<0.37	<0.34	<0.37	<0.34	<0.37	<0.34	<0.37	0.83J	2.16	<0.34	<0.37	<0.37	<0.37
Ethylbenzene	700	140	<0.26	<0.32	<0.26	<0.32	<0.26	<0.32	<0.26	<0.32	<0.26	<0.32	<0.26	<0.32	<0.32	<0.32
p-Isopropyltoluene	NE	NE	<0.24	<0.47	<0.24	<0.47	<0.24	<0.47	<0.24	<0.47	0.63J	<0.47	0.74J	<0.47	<0.47	<0.47
Methyl tert-butyl ether	60	12	<0.28	<0.47	<0.28	<0.47	<0.28	<0.47	<0.28	<0.47	<0.28	<0.47	<0.28	<0.47	<0.47	<0.47
Tetrachloroethene	5	0.5	<0.38	<0.33	<0.38	**5.1**	<0.38	<0.33	**76**	**78**	**166**	**153**	**22.5**	**13.9**	<0.33	*4.6*
Toluene	800	160	0.38J	<0.26	<0.19	<0.26	<0.19	<0.26	<0.19	<0.26	0.22J	<0.26	<0.19	<0.26	<0.26	<0.26
1,1,1 Trichloroethane	200	40	<0.33	<0.3	<0.33	0.52J	<0.33	<0.3	<0.33	<0.3	<0.33	<0.3	<0.33	<0.3	<0.3	<0.3
Trichloroethene	5	0.5	<0.3	<0.47	<0.3	*0.55J*	<0.3	<0.47	*1.32*	*1.32J*	*1.68*	*3.2*	*0.67J*	<0.47	<0.47	<0.47
1,2,4-Trimethylbenzene	480	96	<0.8	<0.3	<0.8	<0.3	<0.8	<0.3	<0.8	<0.3	<0.8	<0.3	<0.8	<0.3	<0.3	<0.3
1,3,5-Trimethylbenzene			<0.63	<0.32	<0.63	<0.32	<0.63	<0.32	<0.63	<0.32	<0.63	<0.32	<0.63	<0.32	<0.32	<0.32
Vinyl Chloride	0.2	0.02	<0.2	<0.2	<0.2	<0.2	<0.2	**0.27J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylenes, o	2000	400	<0.43	<1.1	<0.43	<1.1	<0.43	<1.1	<0.43	<1.1	<0.43	<1.1	<0.43	<1.1	<1.1	<1.1
Xylenes, -m, -p			<0.29	<0.38	<0.29	<0.38	<0.29	<0.38	<0.29	<0.38	<0.29	<0.38	<0.29	<0.38	<0.38	<0.38

NE = NR 140 ES not established

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

Italics indicated analytical results above NR 140 PAL

Bold indicates analytical results above NR 140 ES

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT #2-0120-82

Monitoring Well	NR 140		MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		PZ-1	
Sampling Date	**ES**	**PAL**	**12/2/2020**	**3/16/2021**	**12/2/2020**	**3/16/2021**	**12/2/2020**	**3/16/2021**	**12/2/2020**	**3/16/2021**	**12/2/2020**	**3/16/2021**	**12/2/2020**	**3/16/2021**	**12/2/2020**	**3/16/2021**
VOLATILE ORGANIC COMPOUNDS (VOC) (µg/L)																
Benzene	5	0.5	<0.33	<0.38	<0.33	<0.38	<0.33	<0.38	<0.33	<0.38	<0.33	<0.38	<0.33	<0.38	<0.33	<0.38
1,1 Dichloroethane	850	85	<0.5	<0.48	<0.5	<0.48	<0.5	<0.48	<0.5	<0.48	<0.5	<0.48	<0.5	<0.48	<0.5	<0.48
cis 1,2 Dichloroethene	70	7	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
trans 1,2 Dichloroethene	100	20	<0.37	<0.60	<0.37	<0.60	<0.37	<0.60	<0.37	<0.60	<0.37	<0.60	<0.37	<0.60	<0.37	<0.60
Ethylbenzene	700	140	<0.32	<0.37	<0.32	<0.37	<0.32	<0.37	<0.32	<0.37	<0.32	<0.37	<0.32	<0.37	<0.32	<0.37
p-Isopropyltoluene	NE	NE	<0.47	<0.43	<0.47	<0.43	<0.47	<0.43	<0.47	<0.43	<0.47	<0.43	<0.47	<0.43	<0.47	<0.43
Methyl tert-butyl ether	60	12	<0.47	<0.46	<0.47	<0.46	<0.47	<0.46	<0.47	<0.46	<0.47	<0.46	<0.47	<0.46	<0.47	<0.46
Tetrachloroethene	5	0.5	<0.33	<0.54	<0.33	<0.54	<0.33	<0.54	<0.33	<0.54	<0.33	<0.54	<0.33	<0.54	<0.33	<0.54
Toluene	800	160	<0.26	<0.42	<0.26	<0.42	<0.26	<0.42	<0.26	<0.42	<0.26	<0.42	<0.26	<0.42	<0.26	<0.42
1,1,1 Trichloroethane	200	40	<0.3	<0.41	<0.3	<0.41	<0.3	<0.41	<0.3	<0.41	<0.3	<0.41	<0.3	<0.41	<0.3	<0.41
Trichloroethene	5	0.5	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
1,2,4-Trimethylbenzene	480	96	<0.3	<0.35	<0.3	<0.35	<0.3	<0.35	<0.3	<0.35	<0.3	<0.35	<0.3	<0.35	<0.3	<0.35
1,3,5-Trimethylbenzene			<0.32	<0.38	<0.32	<0.38	<0.32	<0.38	<0.32	<0.38	<0.32	<0.38	<0.32	<0.38	<0.32	<0.38
Vinyl Chloride	0.2	0.02	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17
Xylenes, o	2000	400	<1.1	<0.77	<1.1	<0.77	<1.1	<0.77	<1.1	<0.77	<1.1	<0.77	<1.1	<0.77	<1.1	<0.77
Xylenes, -m, -p			<0.38	<0.44	<0.38	<0.44	<0.38	<0.44	<0.38	<0.44	<0.38	<0.44	<0.38	<0.44	<0.38	<0.44

NE = NR 140 ES not established

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

Italics indicated analytical results above NR 140 PAL

Bold indicates analytical results above NR 140 ES

TABLE 3
WATER LEVEL ELEVATIONS
FORMER NEIGHBORHOOD CLEANERS - 611 WEST NORTHLAND AVENUE, APPLETON, WISCONSIN
GEC PROJECT NO. 2-0120-82

Monitoring Well Number	Top of Well Casing Elevation	Screen Elevation	Date Measured	Depth to Water (Ft.)	Groundwater Elevation (Ft.)
MW-1	828.56	823.62	11/16/2020	13.35	815.21
			12/2/2020	10.97	817.59
			3/16/2021	8.34	820.22
		813.62			
MW-2	829.31	824.47	11/16/2020	5.42	823.89
			12/2/2020	5.35	823.96
			3/16/2021	4.65	824.66
		814.47			
MW-3	829.38	824.44	11/16/2020	14.08	815.30
			12/2/2020	11.65	817.73
			3/16/2021	7.83	821.55
		814.44			
MW-4	829.87	825.09	11/16/2020	13.04	816.83
			12/2/2020	8.96	820.91
			3/16/2021	7.09	822.78
		815.09			
MW-5	825.19	821.64	11/16/2020	3.59	821.60
			12/2/2020	4.74	820.45
			3/16/2021	3.75	821.44
		811.64			
MW-6	824.47	820.79	11/16/2020	6.45	818.02
			12/2/2020	6.77	817.70
			3/16/2021	6.33	818.14
		810.79			
PZ-1	824.33	805.01	11/16/2020	10.72	813.61
			12/2/2020	21.48	802.85
			3/16/2021	14.97	809.36
		800.01			

Elevations are referenced to Mean Sea Level
ft = feet
NR=Not recorded
NM=Not Measured

TABLE 4
SUMMARY OF SUB-SLAB VAPOR ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS
2-0120-82

TABLE 1 REGIONAL SCREENING LEVEL SUMMARY														
Sample No.	Residential Indoor Air VAL	Residential Sub-Slab Vapor VAL	Small Commercial Indoor Air VAL	Small Commercial Sub-Slab Vapor VRSL	Large Commercial Indoor Air VAL	Large Commercial Sub-Slab Vapor VRSL	VP-1 - ALDI SUB-SLAB 1ST FLOOR - 0.5 HOUR		VP-2 - ALDI SUB-SLAB 1ST FLOOR - 0.5 HOUR		VP-3 - ALDI SUB-SLAB 1ST FLOOR - 0.5 HOUR		VP-4 - ALDI SUB-SLAB 1ST FLOOR - 0.5 HOUR	
Sampling Date							09/03/20	11/03/20	09/03/20	11/03/20	09/03/20	11/03/20	09/03/20	11/03/20
	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3							
VOLATILE ORGANIC COMPOUNDS (VOC) (ug/m3)														
1,1 Dichloroethane	18	600	77	2,600	77	7,700	<0.187	<0.187	<0.187	<0.187	<0.187	<0.187	<0.187	<0.187
cis-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197
trans-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.231	<0.231	<0.231	<0.231	<0.231	<0.231	<0.231	<0.231
Tetrachloroethylene	42	1,400	180	6,000	180	18,000	0.95	31.4	4.3	7.1	<0.278	2.24	0.48J	24.3
1,1,1-Trichloroethane	5,200	170,000	22,000	730,000	22,000	2,200,000	<0.249	<0.249	<0.249	<0.249	<0.249	<0.249	<0.249	<0.249
Trichloroethylene	2.1	70	8.8	290	8.8	880	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237
Vinyl chloride	1.7	57	28	930	28	2,800	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148

UG/M^3 - Micrograms per Cubic Meter of Air
Bold indicates analytical results exceeding relevant standard
NE= Not Established

TABLE 4
SUMMARY OF SUB-SLAB VAPOR ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS
2-0120-82

TABLE 1 REGIONAL SCREENING LEVEL SUMMARY										
Sample No.	**Residential Indoor Air VAL**	**Residential Sub-Slab Vapor VAL**	**Small Commercial Indoor Air VAL**	**Small Commercial Sub-Slab Vapor VRSL**	**Large Commercial Indoor Air VAL**	**Large Commercial Sub-Slab Vapor VRSL**	**VP-5 - PLAY IT AGAIN SPORTS-SHIPPING BAY - SUB-SLAB 0.5 HOUR**	**VP-6 - PLAY IT AGAIN SPORTS-SHIPPING BAY - SUB-SLAB 0.5 HOUR**	**VP-7 - PLAY IT AGAIN SPORTS-UTILITY CLOSET - SUB-SLAB 0.5 HOUR**	**VP-8 - PLAY IT AGAIN SPORTS-UTILITY CLOSET - SUB-SLAB 0.5 HOUR**
Sampling Date							**02/01/21**	**02/01/21**	**02/01/21**	**02/01/21**
	ug/m3	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**			
VOLATILE ORGANIC COMPOUNDS (VOC) (ug/m3)										
1,1 Dichloroethane	18	600	77	2,600	77	7,700	<0.187	<0.187	<0.187	<0.187
cis-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.197	<0.197	<0.197	<0.197
trans-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.231	<0.231	<0.231	<0.231
Tetrachloroethylene	42	1,400	180	6,000	180	18,000	29.1	5.8	1.09	7.9
1,1,1-Trichloroethane	5,200	170,000	22,000	730,000	22,000	2,200,000	<0.249	<0.249	<0.249	<0.249
Trichloroethylene	2.1	70	8.8	290	8.8	880	4.4	5.8	0.86	3.7
Vinyl chloride	1.7	57	28	930	28	2,800	<0.148	<0.148	<0.148	<0.148

UG/M^3 - Micrograms per Cubic Meter of Air
Bold indicates analytical results exceeding relevant standard
NE= Not Established

TABLE 4
SUMMARY OF UTILITY MANHOLE/AMBIENT VAPOR ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS
2-0120-82

TABLE 1 REGIONAL SCREENING LEVEL SUMMARY																
Sample No.	**Residential Indoor Air VAL**	**Residential Sub-Slab Vapor VAL**	**Small Commercial Indoor Air VAL**	**Small Commercial Sub-Slab Vapor VRSL**	**Large Commercial Indoor Air VAL**	**Large Commercial Sub-Slab Vapor VRSL**	**SANITARY SEWER MANHOLE 1 - 0.5 HOUR (SSMH-1)**	**SANITARY SEWER MANHOLE 2 - 0.5 HOUR (SSMH-2)**	**SANITARY SEWER MANHOLE 3 - 0.5 HOUR (SSMH-3)**	**STORM SEWER MANHOLE 1 - 0.5 HOUR (STSMH-1)**	**Ambient 1 (Play It Again Sports-Office)-24 Hour (AMB-1)**	**Ambient 2 (Play It Again Sports-Batting Cage)-8 Hour (AMB-2)**	**Ambient 3 (Play It Again Sports-Shipping Bay)-8 Hour (AMB-3)**	**Ambient 4 (Play It Again Sports-Sales Floor)-8 Hour (AMB-4)**	**Ambient 5 (Play It Again Sports-Mens Restroom)-8 Hour (AMB-5)**
Sampling Date							**09/03/20**	**11/03/20**	**11/03/20**	**09/03/20**	**11/03/20**	**01/27/21**	**01/27/21**	**01/27/21**	**01/27/21**
	ug/m3	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**								
VOLATILE ORGANIC COMPOUNDS (VOC) (ug/m3)															
1,1 Dichloroethane	18	600	77	2,600	77	7,700	<0.187	<0.187	<0.187	<0.187	<0.187	<0.187	<0.187	<0.187	<0.187
cis-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197
trans-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.231	<0.231	<0.231	<0.231	<0.231	<0.231	<0.231	<0.231	<0.231
Tetrachloroethylene	42	1,400	180	6,000	180	18,000	38	3.4	2.99	12	0.68J	0.41J	0.48J	0.41J	0.41J
1,1,1-Trichloroethane	5,200	170,000	22,000	730,000	22,000	2,200,000	<0.249	<0.249	<0.249	<0.249	<0.249	<0.249	<0.249	<0.249	<0.249
Trichloroethylene	2.1	70	8.8	290	8.8	880	**50**	0.64J	0.37J	2.73	**50**	**65**	**60**	**62**	**58**
Vinyl chloride	1.7	57	28	930	28	2,800	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148

UG/M^3 - Micrograms per Cubic Meter of Air
Bold indicates analytical results exceeding relevant standard
NE= Not Established

TABLE 4
SUMMARY OF DRAIN/SANITARY CLEANOUT VAPOR ANALYTICAL RESULTS
FORMER NEIGHBORHOOD CLEANERS
2-0120-82

TABLE 1 REGIONAL SCREENING LEVEL SUMMARY									
Sample No.	**Residential Indoor Air VAL**	**Residential Sub-Slab Vapor VAL**	**Small Commercial Indoor Air VAL**	**Small Commercial Sub-Slab Vapor VRSL**	**Large Commercial Indoor Air VAL**	**Large Commercial Sub-Slab Vapor VRSL**	**VP-9 - PLAY IT AGAIN SPORTS-SHIPPING BAY DRAIN - 0.5 HOUR**	**VP-10 - PLAY IT AGAIN SPORTS-WOMENS BATHROOM SANITARY CLEANOUT - 0.5 HOUR**	**VP-11 - PLAY IT AGAIN SPORTS-SHIPPING BAY PRIMARY SANITARY CLEANOUT - 0.5 HOUR**
Sampling Date							**02/04/21**	**02/04/21**	**02/04/21**
	ug/m3	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**		
VOLATILE ORGANIC COMPOUNDS (VOC) (ug/m3)									
1,1 Dichloroethane	18	600	77	2,600	77	7,700	<0.187	<0.187	<0.187
cis-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.197	<0.197	<0.197
trans-1,2-Dichloroethene	NE	NE	NE	NE	NE	NE	<0.231	<0.231	<0.231
Tetrachloroethylene	42	1,400	180	6,000	180	18,000	1.09	1.09	1.29
1,1,1-Trichloroethane	5,200	170,000	22,000	730,000	22,000	2,200,000	<0.249	<0.249	<0.249
Trichloroethylene	2.1	70	8.8	290	8.8	880	0.37J	**35**	**12.2**
Vinyl chloride	1.7	57	28	930	28	2,800	<0.148	<0.148	<0.148

UG/M^3 - Micrograms per Cubic Meter of Air
Bold indicates analytical results exceeding relevant standard
NE= Not Established

ATTACHMENT C

LABORATORY

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 39897

Page ____ of ____

Sample Handling Request

____ Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # :

Project #:

Sampler: (signature)

Project (Name / Location): Former Neighborhood Cleaners / Appleton

Reports To: Brian Yarnwirth	Invoice To: C/O GEC
Company GEC	Company
Address 916 Silver Lake Dr	Address
City State Zip Portage WI	City State Zip
Phone 608 697 8010	Phone
Email	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503170 A	MW-1	3/16/21	Am	N	2	GW	HCL
B	MW-2						
C	MW-3						
D	MW-4						
E	MW-5						
F	MW-6						
G	P2-1						

Analysis Requested

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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS
												X		

Other Analysis

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
	10:45	3/16/21			

Received in Laboratory By: Time: 10:45 Date: 3-16-21

Synergy Environmental Lab, INC

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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE. WI 53901

Report Date *23-Mar-21*

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170A
Sample ID MW-1
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		3/18/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		3/18/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		3/18/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		3/18/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		3/18/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		3/18/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		3/18/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		3/18/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		3/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		3/18/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		3/18/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		3/18/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		3/18/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		3/18/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		3/18/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170A
Sample ID MW-1
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		3/18/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		3/18/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		3/18/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		3/18/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		3/18/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		3/18/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		3/18/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		3/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		3/18/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		3/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		3/18/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		3/18/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		3/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		3/18/2021	CJR	1
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		3/18/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		3/18/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		3/18/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		3/18/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		3/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		3/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		3/18/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		3/18/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		3/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	108	REC %			1	8260B		3/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	90	REC %			1	8260B		3/18/2021	CJR	1
SUR - Dibromofluoromethane	115	REC %			1	8260B		3/18/2021	CJR	1
SUR - Toluene-d8	115	REC %			1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170B
Sample ID MW-2
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		3/18/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		3/18/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		3/18/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		3/18/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		3/18/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		3/18/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		3/18/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		3/18/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		3/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		3/18/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		3/18/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		3/18/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		3/18/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		3/18/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		3/18/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		3/18/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		3/18/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		3/18/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		3/18/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		3/18/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		3/18/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		3/18/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		3/18/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		3/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		3/18/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		3/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		3/18/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		3/18/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		3/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170B
Sample ID MW-2
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		3/18/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		3/18/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		3/18/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		3/18/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		3/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		3/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		3/18/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		3/18/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		3/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		3/18/2021	CJR	1
SUR - Toluene-d8	114	REC %			1	8260B		3/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	87	REC %			1	8260B		3/18/2021	CJR	1
SUR - Dibromofluoromethane	113	REC %			1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170C
Sample ID MW-3
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		3/18/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		3/18/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		3/18/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		3/18/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		3/18/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		3/18/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		3/18/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		3/18/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		3/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		3/18/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		3/18/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		3/18/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		3/18/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		3/18/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		3/18/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		3/18/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		3/18/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		3/18/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		3/18/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		3/18/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		3/18/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		3/18/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		3/18/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		3/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		3/18/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		3/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		3/18/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		3/18/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		3/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170C
Sample ID MW-3
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		3/18/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		3/18/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		3/18/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		3/18/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		3/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		3/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		3/18/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		3/18/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		3/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		3/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	88	REC %			1	8260B		3/18/2021	CJR	1
SUR - Dibromofluoromethane	116	REC %			1	8260B		3/18/2021	CJR	1
SUR - Toluene-d8	114	REC %			1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170D
Sample ID MW-4
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		3/18/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		3/18/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		3/18/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		3/18/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		3/18/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		3/18/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		3/18/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		3/18/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		3/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		3/18/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		3/18/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		3/18/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		3/18/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		3/18/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		3/18/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		3/18/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		3/18/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		3/18/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		3/18/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		3/18/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		3/18/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		3/18/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		3/18/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		3/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		3/18/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		3/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		3/18/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		3/18/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		3/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170D
Sample ID MW-4
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		3/18/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		3/18/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		3/18/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		3/18/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		3/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		3/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		3/18/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		3/18/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		3/18/2021	CJR	1
SUR - Toluene-d8	115	REC %			1	8260B		3/18/2021	CJR	1
SUR - Dibromofluoromethane	114	REC %			1	8260B		3/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		3/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	107	REC %			1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170E
Sample ID MW-5
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		3/18/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		3/18/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		3/18/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		3/18/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		3/18/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		3/18/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		3/18/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		3/18/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		3/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		3/18/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		3/18/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		3/18/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		3/18/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		3/18/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		3/18/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		3/18/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		3/18/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		3/18/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		3/18/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		3/18/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		3/18/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		3/18/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		3/18/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		3/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		3/18/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		3/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		3/18/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		3/18/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		3/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170E
Sample ID MW-5
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		3/18/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		3/18/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		3/18/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		3/18/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		3/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		3/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		3/18/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		3/18/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		3/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	107	REC %			1	8260B		3/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		3/18/2021	CJR	1
SUR - Dibromofluoromethane	120	REC %			1	8260B		3/18/2021	CJR	1
SUR - Toluene-d8	116	REC %			1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170F
Sample ID MW-6
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		3/18/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		3/18/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		3/18/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		3/18/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		3/18/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		3/18/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		3/18/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		3/18/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		3/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		3/18/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		3/18/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		3/18/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		3/18/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		3/18/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		3/18/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		3/18/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		3/18/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		3/18/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		3/18/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		3/18/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		3/18/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		3/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		3/18/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		3/18/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		3/18/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		3/18/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		3/18/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		3/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		3/18/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		3/18/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		3/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		3/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		3/18/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		3/18/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		3/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170F
Sample ID MW-6
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		3/18/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		3/18/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		3/18/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		3/18/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		3/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		3/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/18/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		3/18/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		3/18/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		3/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		3/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	85	REC %			1	8260B		3/18/2021	CJR	1
SUR - Dibromofluoromethane	113	REC %			1	8260B		3/18/2021	CJR	1
SUR - Toluene-d8	112	REC %			1	8260B		3/18/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170G
Sample ID PZ-1
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/19/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		3/19/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		3/19/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		3/19/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		3/19/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		3/19/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		3/19/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		3/19/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		3/19/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		3/19/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		3/19/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		3/19/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		3/19/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		3/19/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		3/19/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		3/19/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		3/19/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		3/19/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		3/19/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		3/19/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		3/19/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		3/19/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		3/19/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		3/19/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		3/19/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		3/19/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		3/19/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		3/19/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		3/19/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		3/19/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		3/19/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		3/19/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		3/19/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		3/19/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		3/19/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		3/19/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		3/19/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		3/19/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		3/19/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		3/19/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		3/19/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		3/19/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		3/19/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		3/19/2021	CJR	1

Project Name FMR NEIGHBORHOOD CLEANERS **Invoice #** E39170
Project #

Lab Code 5039170G
Sample ID PZ-1
Sample Matrix Water
Sample Date 3/16/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		3/19/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		3/19/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		3/19/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		3/19/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		3/19/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		3/19/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		3/19/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		3/19/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		3/19/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		3/19/2021	CJR	1
SUR - Toluene-d8	113	REC %			1	8260B		3/19/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		3/19/2021	CJR	1
SUR - 4-Bromofluorobenzene	91	REC %			1	8260B		3/19/2021	CJR	1
SUR - Dibromofluoromethane	113	REC %			1	8260B		3/19/2021	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

ATTACHMENT D

BORING LOGS, ABANDONMENT, CONSTRUCTION, DEVELOPMENT

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☒ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions)	Format Code	Method Code
44.285794 N	☐ DD	☐ GPS008
-88.414579 W	☐ DDM	☐ SCR002 ☐ OTH001

¼ / ¼ or Gov't Lot #	¼	Section	Township	Range
NW	NW	23	21 N	17 ☒ E ☐ W

Well Street Address: 611 W. Northland Ave

Well City, Village or Town	Well ZIP Code
Appleton	54911

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Construction	

2. Facility / Owner Information

Facility Name: Former Neighborhood Cleaners
Facility ID (FID or PWS):
License/Permit/Monitoring #: TW-5
Original Well Owner: R Lewis & R Lewis LLC
Present Well Owner: R Lewis & R Lewis LLC
Mailing Address of Present Owner: PO Box 22190

City of Present Owner	State	ZIP Code
Green Bay	WI	54305

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/13/2020

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Soil Probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	1.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	15

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	4.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15	0.25 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
General Engineering Company		04/15/2020

Street or Route	Telephone Number
916 Silver Lake Drive	(608) 742 2169

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Portage	WI	53901		3/25/21

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☒ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions)	Format Code	Method Code
44.285796 N	☐ DD	☐ GPS008
-88.4145799 W	☐ DDM	☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	NW	23	21 N	17 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 611 W. Northland Ave

Well City, Village or Town: Appleton

Well ZIP Code: 54911

Subdivision Name:

Lot #:

Reason for Removal from Service: Construction

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Former Neighborhood Cleaners

Facility ID (FID or PWS):

License/Permit/Monitoring #: TW-6

Original Well Owner: R Lewis & R Lewis LLC

Present Well Owner: R Lewis & R Lewis LLC

Mailing Address of Present Owner: PO Box 22190

City of Present Owner: Green Bay | State: WI | ZIP Code: 54305

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/13/2020

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Soil Probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	1.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	15

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 4.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15	0.25 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
General Engineering Company		04/15/2020

Street or Route	Telephone Number
916 Silver Lake Drive	(608) 742 2169

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Portage	WI	53901		3/25/21

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☒ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions)	Format Code	Method Code
44.285796 N	☐ DD	☐ GPS008
-88.414579 W	☐ DDM	☐ SCR002 ☐ OTH001

¼ / ¼ or Gov't Lot #	¼	Section	Township	Range
NW	NW	23	21 N	☒ E ☐ W

Well Street Address: 611 W. Northland Ave

Well City, Village or Town	Well ZIP Code
Appleton	54911

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Construction	

2. Facility / Owner Information

Facility Name: Former Neighborhood Cleaners

Facility ID (FID or PWS):

License/Permit/Monitoring #: TW-7

Original Well Owner: R Lewis & R Lewis LLC

Present Well Owner: R Lewis & R Lewis LLC

Mailing Address of Present Owner: PO Box 22190

City of Present Owner	State	ZIP Code
Green Bay	WI	54305

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/13/2020

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Soil Probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	1.25

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
	15

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	4.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	15	0.25 Bags	

3/8" Bentonite Chips

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
General Engineering Company		04/15/2020

Street or Route	Telephone Number
916 Silver Lake Drive	(608) 742 2169

City	State	ZIP Code
Portage	WI	53901

Signature of Person Doing Work:

Date Signed: 3/25/21

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☒ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions): 44.285796 N, -88.414579 W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ ¼	¼	Section	Township	Range	or Gov't Lot #
NW	NW	23	21 N	17 ☒ E ☐ W	

Well Street Address: 611 W. Northland Ave
Well City, Village or Town: Appleton
Well ZIP Code: 54911
Subdivision Name:
Lot #:
Reason for Removal from Service: Construction
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Former Neighborhood Cleaners
Facility ID (FID or PWS):
License/Permit/Monitoring #: TW-8
Original Well Owner: R Lewis & R Lewis LLC
Present Well Owner: R Lewis & R Lewis LLC
Mailing Address of Present Owner: PO Box 22190
City of Present Owner: Green Bay
State: WI
ZIP Code: 54305

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 01/13/2020
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Soil Probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	1.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	15

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet): 4.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15	0.25 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
General Engineering Company		04/15/2020

Street or Route: 916 Silver Lake Drive
Telephone Number: (608) 742 2169
City: Portage
State: WI
ZIP Code: 53901
Signature of Person Doing Work:
Date Signed: 3/25/21

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions)	Format Code	Method Code
44.285796 N	☐ DD	☐ GPS008
-88.4145799 W	☐ DDM	☐ SCR002 ☐ OTH001

¼ ¼ or Gov't Lot #	¼	Section	Township	Range
NW	NW	23	21 N	17 ☒ E ☐ W

Well Street Address: 611 W. Northland Ave

Well City, Village or Town: Appleton

Well ZIP Code: 54911

Subdivision Name:

Lot #:

Reason for Removal from Service: Construction

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Former Neighborhood Cleaners

Facility ID (FID or PWS):

License/Permit/Monitoring #: TW-9

Original Well Owner: R Lewis & R Lewis LLC

Present Well Owner: R Lewis & R Lewis LLC

Mailing Address of Present Owner: PO Box 22190

City of Present Owner: Green Bay | State: WI | ZIP Code: 54305

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/13/2020

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Soil Probe

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	1.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	15

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 4.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material

☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials

☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15	0.25 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
General Engineering Company		04/15/2020

Street or Route	Telephone Number
916 Silver Lake Drive	(608) 742 2169

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Portage	WI	53901		3/25/21

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☒ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions)	Format Code	Method Code
44.285799 N -88.4145799 W	☐ DD ☐ DDM	☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NW	NW	23	21 N	17 ☒ E ☐ W

or Gov't Lot #

Well Street Address: 611 W. Northland Ave

Well City, Village or Town: Appleton

Well ZIP Code: 54911

Subdivision Name:

Lot #:

Reason for Removal from Service: Construction

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Former Neighborhood Cleaners

Facility ID (FID or PWS):

License/Permit/Monitoring #: TW-10

Original Well Owner: R Lewis & R Lewis LLC

Present Well Owner: R Lewis & R Lewis LLC

Mailing Address of Present Owner: PO Box 22190

City of Present Owner: Green Bay | State: WI | ZIP Code: 54305

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 01/13/2020

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Soil Probe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	1.25
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	15

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 4.7

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15	0.25 Bags	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
General Engineering Company		04/15/2020

Street or Route	Telephone Number
916 Silver Lake Drive	(608) 742 2169

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Portage	WI	53901		3/25/21

DNR Use Only

Date Received	Noted By

Comments:

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	GEC Project No.	Wis. Unique No.	Boring Number
Former Neighborhood Cleaners	2-0120-82	N/A	**MW-1**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
On-Site Environmental Tony Kapugi	Direct Push / H S A	2" / 8"

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	WTM91	DNR County Code
11/2/2020	11/2/2020	NW-NW, Sect. 23, T21N, R17E	X 646499 Y 424838	45

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet **S** Feet **W**	Outagamie	Appleton

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N value	Odor	PID (ppm)	Remarks
1 / -1.0	2" - Mulch (Landscaping) Dark brown **SILT** (Topsoil)		OL							
2 / -2.0	Brown, Silty **SAND**, trace gravel (Possible Fill)	SS-1	Fill					No	0	
4 / -4.0	Reddish brown, Silty **CLAY**, moist									**Lab sample**
5 / -5.0	Reddish brown, Silty **CLAY**, trace gravel, moist	SS-2	CL					No	0	
10 / -10	Reddish brown, Silty **CLAY**, trace gravel, wet	SS-3						No	0	
15 / -15	**END OF BORING: 15.0'**									

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

Signature: *Brian Youngwirth* Brian Youngwirth

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

Lines of demarcation represent **approximate** boundaries between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual.

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	GEC Project No.	Wis. Unique No.	Boring Number
Former Neighborhood Cleaners	2-0120-82	N/A	**MW-2**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
On-Site Environmental Tony Kapugi	Direct Push / H S A	2" / 8"

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	WTM91	DNR County Code
11/2/2020	11/2/2020	NW-NW, Sect. 23, T21N, R17E	X 646499 Y 424838	45

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet **S** Feet **W**	Outagamie	Appleton

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N value	Odor	PID (ppm)	Remarks
0	2" - Mulch (Landscaping) 6"-Dark brown **SILT** (Topsoil)		OL							
1 / -1.0	**3/4" Crushed Gravel**, moist (Fill)		Fill							
2 / -2.0	No recovery	SS-1						No	0	
3 / -3.0										
4 / -4.0										
5 / -5.0	Reddish brown, Silty **CLAY**, trace gravel, moist to wet									
6 / -6.0										**Lab sample**
7 / -7.0		SS-2						No	0	
8 / -8.0										
9 / -9.0			CL							
10 / -10	Reddish brown, Silty **CLAY**, wet									
11 / -11.0										
12 / -12.0		SS-3						No	0	
13 / -13.0	Grayish brown **SILT**, wet									
14.0 / -14.0			ML							
	Light brown **SILT** with sand, wet									
15 / -15	**END OF BORING: 15.0'**									
16.0 / -16.0										
17.0 / -17.0										
18.0 / -18.0										

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

Signature: *Brian Youngwirth* Brian Youngwirth

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

Lines of demarcation represent **approximate** boundaries between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual.

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	GEC Project No.	Wis. Unique No.	Boring Number
Former Neighborhood Cleaners	2-0120-82	N/A	**MW-3**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
On-Site Environmental Tony Kapugi	Direct Push / H S A	2" / 8"

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	WTM91	DNR County Code
11/2/2020	11/2/2020	NW-NW, Sect. 23, T21N, R17E	X 646499 Y 424838	45

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet **S** Feet **W**	Outagamie	Appleton

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N value	Odor	PID (ppm)	Remarks
0	**3" - ASPHALT**									
1 / -1.0	Grayish brown, Silty **SAND** with gravel, moist (FILL)									
2 / -2.0		SS-1	Fill					No	0	
3 / -3.0	No recovery									
4 / -4.0										
5 / -5.0	Reddish brown, Silty **CLAY**, trace gravel, moist to wet									
6 / -6.0										**Lab sample**
7 / -7.0		SS-2						No	0	
8 / -8.0										
9 / -9.0										
10 / -10	Reddish brown, Silty **CLAY**, trace gravel, wet		CL							
11 / -11.0										
12 / -12.0		SS-3						No	0	
13 / -13.0										
14.0 / -14.0										
15 / -15	**END OF BORING: 15.0'**									
16.0 / -16.0										
17.0 / -17.0										
18.0 / -18.0										

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Signature: *Brian Youngwirth* Brian Youngwirth

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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	GEC Project No.	Wis. Unique No.	Boring Number
Former Neighborhood Cleaners	2-0120-82	N/A	**MW-4**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
On-Site Environmental Tony Kapugi	Direct Push / H S A	2" / 8"

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	WTM91	DNR County Code
11/2/2020	11/2/2020	NW-NW, Sect. 23, T21N, R17E	X 646499 Y 424838	45

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet **S** Feet **W**	Outagamie	Appleton

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N value	Odor	PID (ppm)	Remarks
0	Dark brown, Clayey **SILT**, moist (Topsoil)		OL							
1 / -1.0	Reddish brown, Silty **CLAY** with 3/4" crushed gravel, moist (FILL)									
2 / -2.0		SS-1	Fill					No	0	
3 / -3.0										
4 / -4.0										
5 / -5.0	Reddish brown, Silty **CLAY**, trace gravel, moist									Lab sample
6 / -6.0										
7 / -7.0	Reddish brown, Silty **CLAY**, trace gravel, wet	SS-2	CL					No	0	
8 / -8.0										
9 / -9.0	Brown, Clayey **SILT**, trace sand, wet		ML							
10 / -10	Reddish brown, Silty **CLAY**, trace gravel, wet									
11 / -11.0										
12 / -12.0		SS-3	CL					No	0	
13 / -13.0										
14.0 / -14.0										
15 / -15	**END OF BORING: 15.0'**									
16.0 / -16.0										
17.0 / -17.0										
18.0 / -18.0										

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Portage WI 53901

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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	GEC Project No.	Wis. Unique No.	Boring Number
Former Neighborhood Cleaners	2-0120-82	N/A	**MW-5**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
On-Site Environmental Tony Kapugi	Direct Push / H S A	2" / 8"

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	WTM91	DNR County Code
11/3/2020	11/3/2020	NW-NW, Sect. 23, T21N, R17E	X 646499 Y 424838	45

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet **S** Feet **W**	Outagamie	Appleton

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N value	Odor	PID (ppm)	Remarks
0	Black **SILT** with gravel, moist (Topsoil) (Fill)		Fill							
1 / -1.0	Reddish brown, Silty **CLAY**, trace gravel, moist		CL							
2 / -2.0		SS-1						No	0	Lab sample
3 / -3.0	Light brown, Clayey **SILT**, trace gravel, wet		ML							
4 / -4.0										
5 / -5.0	Reddish brown, Silty **CLAY**, trace gravel, wet		CL							
6 / -6.0										
7 / -7.0	Brown, Sandy **SILT**, wet		SM							
8 / -8.0	Reddish brown, Silty **CLAY**, wet	SS-2	CL					No	0	
9 / -9.0										
10 / -10	Brown, Clayey **SILT**, wet									
11 / -11.0										
12 / -12.0		SS-3	ML					No	0	
13 / -13.0										
14.0 / -14.0										
15 / -15	**END OF BORING: 15.0'**									
16.0 / -16.0										
17.0 / -17.0										
18.0 / -18.0										

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Signature: *Brian Youngwirth* Brian Youngwirth

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Portage WI 53901

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State of Wisconsin
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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	GEC Project No.	Wis. Unique No.	Boring Number
Former Neighborhood Cleaners	2-0120-82	N/A	**MW-6**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
On-Site Environmental Tony Kapugi	Direct Push / H S A	2" / 8"

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	WTM91	DNR County Code
11/3/2020	11/3/2020	NW-NW, Sect. 23, T21N, R17E	X 646499 Y 424838	45

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet **S** Feet **W**	Outagamie	Appleton

Depth Below Surface/Elev. (ft)	VISUAL SOIL CLASSIFICATION Ground Surface Elevation:	Sample No.	USCS	Graphic Log	Well	Blow Count	N value	Odor	PID (ppm)	Remarks
0	Drilled without sampling to 14.0'									
14.0	**END OF BORING: 14.0'**									

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

Signature: Brian Youngwirth — Brian Youngwirth

Firm: **General Engineering Company**
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Portage WI 53901

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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	GEC Project No.	Wis. Unique No.	Boring Number
Former Neighborhood Cleaners	2-0120-82	N/A	**PZ-1**

Boring Drilled By (Firm name and name of crew chief)	Drilling Method	Borehole Diameter
On-Site Environmental Tony Kapugi	Direct Push / H S A	2" / 8"

Date Drilling Started	Date Drilling Ended	Boring Location State Plane N, E	WTM91	DNR County Code
11/3/2020	11/3/2020	NW-NW, Sect. 23, T21N, R17E	X 646499 Y 424838	45

Local Grid Location (If applicable)	County	Civil Town / City / Village
Feet **S** Feet **W**	Outagamie	Appleton

VISUAL SOIL CLASSIFICATION

Ground Surface Elevation:

Depth Below Surface/Elev. (ft)	Visual Soil Classification	Sample No.	USCS	Graphic Log	Well	Blow Count	N value	Odor	PID (ppm)	Remarks
1 / -1.0	**2"-ASPHALT** **CRUSHED GRAVEL**, moist (Fill)		Fill							
2 / -2.0	Light brown, Silty **SAND**, moist to wet (Possible Fill)	SS-1	SM					No	0	Lab sample
4 / -4.0	Light brown **SAND**, wet (Possible Fill)									
5 / -5		SS-2	SP					No	0	
9 / -9.0	Reddish brown, Silty **CLAY**, wet									
10 / -10	Reddish brown, Silty **CLAY**, trace gravel, wet	SS-3	CL					No	0	
15 / -15	Brown, Silty **CLAY**, trace gravel, wet	SS-3						No	0	
20 / -20		SS-3						No	0	
25 / -25	**END OF BORING: 25.0'**									

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

Signature: *Brian Youngwirth* Brian Youngwirth

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Portage WI 53901

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	Local Grid Location of Well	Well Name
Former Neighborhood Cleaners	Feet **S** Feet **W**	**MW-1**
License /Permit /GEC Project No.	**Grid Origin Location**	**Wis. Unique No.**
GEC No. 2-0120-82		N/A
Type Of Well	**Section Location of Waste / Source**	**Date Well Installed**
Water Table Observatio [X] 11	NW -NW, Section 23, T21N, R17E	11/2/2020
Piezometer [ ] 12		
Distance Well is From Waste/Source Boundary	**Location to Well Relative to Waste/Source**	**Well Installed By:** (Persons Name & Firm)
	u [ ] Upgradient s [ ] Sidegradient	On-Site Environmental
Is Well a Point of Enforcement Std. Application	d [ ] downgradient n [ ] Not Shown	Tony Kapugi
[ ] Yes [ ] No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom ft. MSL _____ ft.

12. USCS Classification of soil near screen:
GP [ ] GM [ ] GW [ ] SW [ ] SP [ ]
SM [ ] SC [ ] ML [ ] CL [X] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

14. Drilling method used: Rotary [ ] 50
Hollow stem auger [X] 41
Direct Push Other [X]

15. Drilling fluid used: Water [ ] 02 Air [ ] 50
Drilling Mud [ ] 03 None [X] 41

16. Drilling additives used? [ ] Yes [X] No
Describe

17. Source of water (attach analysis)

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 3.0 ft.

G. Filter pack, top _____ ft. MSL or 4.0 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 15.0 ft.

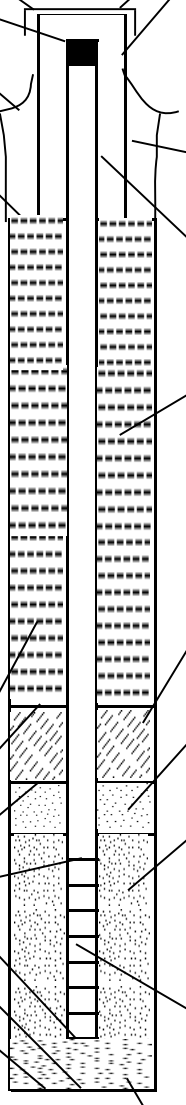
J. Filter pack , bottom _____ ft. MSL or 15.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.0 ft.

L. Borehole, diameter 8 in

M. O.D. Well casing 2.375 in

N. I.D. Well casing 2.067 in



1. Cap and Lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1 ft
C. Material Steel [X] 4
Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Expandable locking plug

3. Surface seal: Bentonite [ ] 30
Concrete [ ] 1
Concrete Other [X]

4. Material between well casing and protective pipe:
Bentonite [X] 30
Annular space seal [ ]
Other [ ]

5. Annular space seal a. Granular Bentonite [X] 33
b.___ Lbs/gal mud weight ….Bentonite-sand slurry [ ] 35
c.___ Lbs/gal mud weight ……..Bentonite slurry [ ] 31
d.___ % Bentonite ……..Bentonite-cement grout [ ] 50
e.___ Ft3 volume added for any of the above
f. How installed: Tremie [ ] 1
Tremie pumped [ ] 2
Gravity [X] 8

6. Bentonite seal: a. Bentonite Granules [X] 33
b. [ ] ¼ in. [X] 3/8 in. [ ] ½ in Bentonite pellets [ ] 32
Other [ ]

7. Fine sand material: Manufacture, product name and mesh size
a. NSF 30/100
v. Volume added 0.5 bags ft3

8. Filter pack material: Manufacture, product name and mesh size
a. NSF 10/20
v. Volume added 3 bags ft3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 [ ] 24
Other [ ]

10. screen Material:
a: Screen type: Factory Cut [X] 11
Continuous slot [ ] 1
Other [ ]
b: Manufacture Monoflex
c: Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill Material: None [X] 14
Other [ ]

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

Signature *Brian Youngwirth*

Firm General Engineering Company
916 Silver Lake Dr., P>O> Box 340
Portage, WI 53901

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	Local Grid Location of Well	Well Name
Former Neighborhood Cleaners	Feet **S** Feet **W**	**MW-2**
License /Permit /GEC Project No.	**Grid Origin Location**	**Wis. Unique No.**
GEC No. 2-0120-82		N/A
Type Of Well	**Section Location of Waste / Source**	**Date Well Installed**
Water Table Observatio [X] 11 Piezometer [ ] 12	NW -NW, Section 23, T21N, R17E	11/2/2020
Distance Well is From Waste/Source Boundary	**Location to Well Relative to Waste/Source**	**Well Installed By:** (Persons Name & Firm)
	u [ ] Upgradient s [ ] Sidegradient d [ ] downgradient n [ ] Not Shown	On-Site Environmental Tony Kapugi
Is Well a Point of Enforcement Std. Application [ ] Yes [ ] No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom ft. MSL _____ ft.

12. USCS Classification of soil near screen:
GP [ ] GM [ ] GW [ ] SW [ ] SP [ ]
SM [ ] SC [ ] ML [X] CL [X] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

14. Drilling method used: Rotary [ ] 50
Hollow stem auger [X] 41
Direct Push Other [X]

15. Drilling fluid used: Water [ ] 02 Air [ ] 50
Drilling Mud [ ] 03 None [X] 41

16. Drilling additives used? [ ] Yes [X] No
Describe

17. Source of water (attach analysis)

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 3.0 ft.

G. Filter pack, top _____ ft. MSL or 4.0 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 15.0 ft.

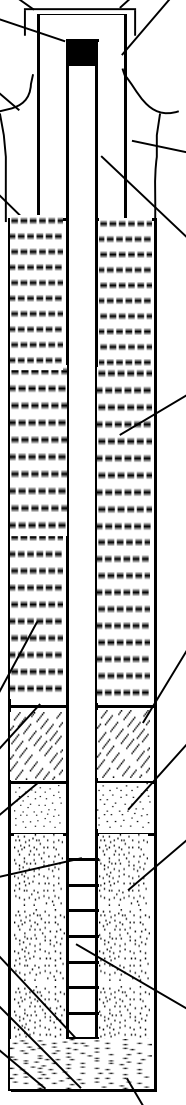
J. Filter pack , bottom _____ ft. MSL or 15.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.0 ft.

L. Borehole, diameter 8 in

M. O.D. Well casing 2.375 in

N. I.D. Well casing 2.067 in



1. Cap and Lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1 ft
C. Material Steel [X] 4
Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Expandable locking plug

3. Surface seal: Bentonite [ ] 30
Concrete [ ] 1
Concrete Other [X]

4. Material between well casing and protective pipe:
Bentonite [X] 30
Annular space seal [ ]
Other [ ]

5. Annular space seal a. Granular Bentonite [X] 33
b.___ Lbs/gal mud weight ….Bentonite-sand slurry [ ] 35
c.___ Lbs/gal mud weight ……..Bentonite slurry [ ] 31
d.___ % Bentonite ……..Bentonite-cement grout [ ] 50
e.___ Ft3 volume added for any of the above
f. How installed: Tremie [ ] 1
Tremie pumped [ ] 2
Gravity [X] 8

6. Bentonite seal: a. Bentonite Granules [X] 33
b. [ ] ¼ in. [X] 3/8 in. [ ] ½ in Bentonite pellets [ ] 32
Other [ ]

7. Fine sand material: Manufacture, product name and mesh size
a. NSF 30/100
v. Volume added 0.5 bags ft3

8. Filter pack material: Manufacture, product name and mesh size
a. NSF 10/20
v. Volume added 3 bags ft3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 [ ] 24
Other [ ]

10. screen Material:
a: Screen type: Factory Cut [X] 11
Continuous slot [ ] 1
Other [ ]
b: Manufacture Monoflex
c: Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill Material: None [X] 14
Other [ ]

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

Signature: Brian Youngwirth

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	Local Grid Location of Well	Well Name
Former Neighborhood Cleaners	Feet **S** Feet **W**	**MW-3**
License /Permit /GEC Project No.	**Grid Origin Location**	**Wis. Unique No.**
GEC No. 2-0120-82		N/A
Type Of Well	**Section Location of Waste / Source**	**Date Well Installed**
Water Table Observatio [X] 11 Piezometer [ ] 12	NW -NW, Section 23, T21N, R17E	11/2/2020
Distance Well is From Waste/Source Boundary	**Location to Well Relative to Waste/Source** u [ ] Upgradient s [ ] Sidegradient d [ ] downgradient n [ ] Not Shown	**Well Installed By:** (Persons Name & Firm) On-Site Environmental Tony Kapugi
Is Well a Point of Enforcement Std. Application [ ] Yes [ ] No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom ft. MSL _____ ft.

12. USCS Classification of soil near screen:
GP [ ] GM [ ] GW [ ] SW [ ] SP [ ]
SM [ ] SC [ ] ML [ ] CL [X] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

14. Drilling method used: Rotary [ ] 50
Hollow stem auger [X] 41
Direct Push Other [X]

15. Drilling fluid used: Water [ ] 02 Air [ ] 50
Drilling Mud [ ] 03 None [X] 41

16. Drilling additives used? [ ] Yes [X] No
Describe

17. Source of water (attach analysis)

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 3.0 ft.

G. Filter pack, top _____ ft. MSL or 4.0 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 15.0 ft.

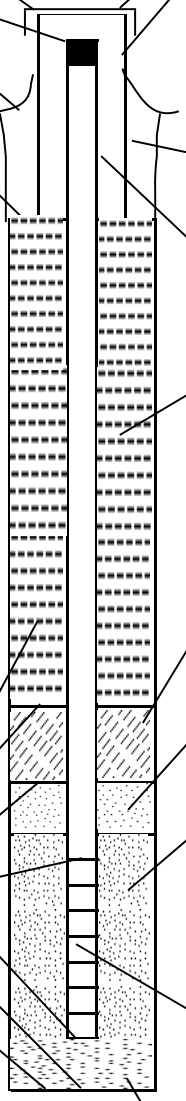
J. Filter pack , bottom _____ ft. MSL or 15.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.0 ft.

L. Borehole, diameter 8 in

M. O.D. Well casing 2.375 in

N. I.D. Well casing 2.067 in



1. Cap and Lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1 ft
C. Material Steel [X] 4
Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Expandable locking plug

3. Surface seal: Bentonite [ ] 30
Concrete [ ] 1
Concrete Other [X]

4. Material between well casing and protective pipe:
Bentonite [X] 30
Annular space seal [ ]
Other [ ]

5. Annular space seal a. Granular Bentonite [X] 33
b.___ Lbs/gal mud weight ….Bentonite-sand slurry [ ] 35
c.___ Lbs/gal mud weight ……..Bentonite slurry [ ] 31
d.___ % Bentonite ……..Bentonite-cement grout [ ] 50
e.___ Ft3 volume added for any of the above
f. How installed: Tremie [ ] 1
Tremie pumped [ ] 2
Gravity [X] 8

6. Bentonite seal: a. Bentonite Granules [X] 33
b. [ ] ¼ in. [X] 3/8 in. [ ] ½ in Bentonite pellets [ ] 32
Other [ ]

7. Fine sand material: Manufacture, product name and mesh size
a. NSF 30/100
v. Volume added 0.5 bags ft3

8. Filter pack material: Manufacture, product name and mesh size
a. NSF 10/20
v. Volume added 3 bags ft3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 [ ] 24
Other [ ]

10. screen Material:
a: Screen type: Factory Cut [X] 11
Continuous slot [ ] 1
Other [ ]
b: Manufacture Monoflex
c: Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill Material: None [X] 14
Other [ ]

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

Signature *Brian Youngwirth*

Firm General Engineering Company
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Portage, WI 53901

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	Local Grid Location of Well	Well Name
Former Neighborhood Cleaners	Feet **S** Feet **W**	**MW-4**
License /Permit /GEC Project No.	**Grid Origin Location**	**Wis. Unique No.**
GEC No. 2-0120-82		N/A
Type Of Well	**Section Location of Waste / Source**	**Date Well Installed**
Water Table Observatio [X] 11	NW -NW, Section 23, T21N, R17E	11/2/2020
Piezometer [ ] 12		
Distance Well is From Waste/Source Boundary	**Location to Well Relative to Waste/Source**	**Well Installed By:** (Persons Name & Firm)
	u [ ] Upgradient s [ ] Sidegradient	On-Site Environmental
Is Well a Point of Enforcement Std. Application	d [ ] downgradient n [ ] Not Shown	Tony Kapugi
[ ] Yes [ ] No		

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

12. USCS Classification of soil near screen:
GP [ ] GM [ ] GW [ ] SW [ ] SP [ ]
SM [ ] SC [ ] ML [X] CL [X] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

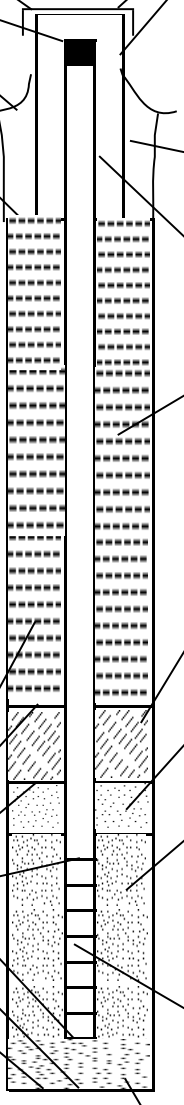
14. Drilling method used: Rotary [ ] 50
Hollow stem auger [X] 41
Direct Push Other [X]

15. Drilling fluid used: Water [ ] 02 Air [ ] 50
Drilling Mud [ ] 03 None [X] 41

16. Drilling additives used? [ ] Yes [X] No
Describe

17. Source of water (attach analysis)

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.
F. Fine sand, top _____ ft. MSL or 3.0 ft.
G. Filter pack, top _____ ft. MSL or 4.0 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15.0 ft.
J. Filter pack , bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8 in
M. O.D. Well casing 2.375 in
N. I.D. Well casing 2.067 in



1. Cap and Lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1 ft
C. Material Steel [X] 4
Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Expandable locking plug

3. Surface seal: Bentonite [ ] 30
Concrete [ ] 1
Concrete Other [X]

4. Material between well casing and protective pipe:
Bentonite [X] 30
Annular space seal [ ]
Other [ ]

5. Annular space seal a. Granular Bentonite [X] 33
b.___ Lbs/gal mud weight ….Bentonite-sand slurry [ ] 35
c.___ Lbs/gal mud weight ……..Bentonite slurry [ ] 31
d.___ % Bentonite ……..Bentonite-cement grout [ ] 50
e.___ Ft3 volume added for any of the above
f. How installed: Tremie [ ] 1
Tremie pumped [ ] 2
Gravity [X] 8

6. Bentonite seal: a. Bentonite Granules [X] 33
b. [ ] ¼ in. [X] 3/8 in. [ ] ½ in Bentonite pellets [ ] 32
Other [ ]

7. Fine sand material: Manufacture, product name and mesh size
a. NSF 30/100
v. Volume added 0.5 bags ft3

8. Filter pack material: Manufacture, product name and mesh size
a. NSF 10/20
v. Volume added 3 bags ft3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 [ ] 24
Other [ ]

10. screen Material:
a: Screen type: Factory Cut [X] 11
Continuous slot [ ] 1
Other [ ]
b: Manufacture Monoflex
c: Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill Material: None [X] 14
Other [ ]

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

Signature *Brian Youngwirth*

Firm General Engineering Company
916 Silver Lake Dr., P>O> Box 340
Portage, WI 53901

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	Local Grid Location of Well	Well Name
Former Neighborhood Cleaners	Feet **S** Feet **W**	**MW-5**
License /Permit /GEC Project No.	**Grid Origin Location**	**Wis. Unique No.**
GEC No. 2-0120-82		N/A
Type Of Well	**Section Location of Waste / Source**	**Date Well Installed**
Water Table Observatio [X] 11	NW -NW, Section 23, T21N, R17E	11/3/2020
Piezometer [ ] 12		
Distance Well is From Waste/Source Boundary	**Location to Well Relative to Waste/Source**	**Well Installed By:** (Persons Name & Firm)
	u [ ] Upgradient s [ ] Sidegradient	On-Site Environmental
Is Well a Point of Enforcement Std. Application	d [ ] downgradient n [ ] Not Shown	Tony Kapugi
[ ] Yes [ ] No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom ft. MSL _____ ft.

12. USCS Classification of soil near screen:
GP [ ] GM [ ] GW [ ] SW [ ] SP [ ]
SM [X] SC [ ] ML [X] CL [X] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

14. Drilling method used: Rotary [ ] 50
Hollow stem auger [X] 41
Direct Push Other [X]

15. Drilling fluid used: Water [ ] 02 Air [ ] 50
Drilling Mud [ ] 03 None [X] 41

16. Drilling additives used? [ ] Yes [X] No
Describe

17. Source of water (attach analysis)

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 2.5 ft.

G. Filter pack, top _____ ft. MSL or 3.5 ft.

H. Screen joint, top _____ ft. MSL or 4.0 ft.

I. Well bottom _____ ft. MSL or 14.0 ft.

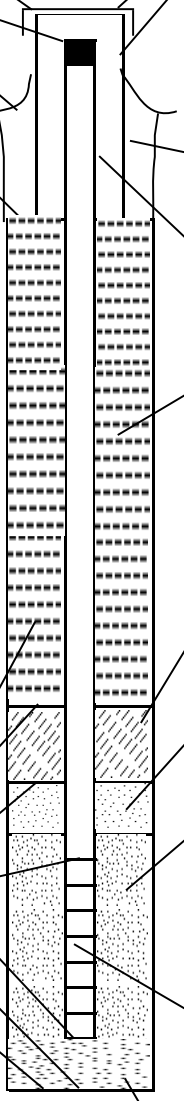
J. Filter pack , bottom _____ ft. MSL or 15.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.0 ft.

L. Borehole, diameter 8 in

M. O.D. Well casing 2.375 in

N. I.D. Well casing 2.067 in



1. Cap and Lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1 ft
C. Material Steel [X] 4
Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Expandable locking plug

3. Surface seal: Bentonite [ ] 30
Concrete [ ] 1
Concrete Other [X]

4. Material between well casing and protective pipe:
Bentonite [X] 30
Annular space seal [ ]
Other [ ]

5. Annular space seal a. Granular Bentonite [X] 33
b.___ Lbs/gal mud weight ….Bentonite-sand slurry [ ] 35
c.___ Lbs/gal mud weight ……..Bentonite slurry [ ] 31
d.___ % Bentonite ……..Bentonite-cement grout [ ] 50
e.___ Ft3 volume added for any of the above
f. How installed: Tremie [ ] 1
Tremie pumped [ ] 2
Gravity [X] 8

6. Bentonite seal: a. Bentonite Granules [X] 33
b. [ ] ¼ in. [X] 3/8 in. [ ] ½ in Bentonite pellets [ ] 32
Other [ ]

7. Fine sand material: Manufacture, product name and mesh size
a. NSF 30/100
v. Volume added 0.5 bags ft3

8. Filter pack material: Manufacture, product name and mesh size
a. NSF 10/20
v. Volume added 3 bag ft3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 [ ] 24
Other [ ]

10. screen Material:
a: Screen type: Factory Cut [X] 11
Continuous slot [ ] 1
Other [ ]
b: Manufacture Monoflex
c: Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill Material: None [X] 14
Other [ ]

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

Signature *Brian Youngwirth*

Firm General Engineering Company
916 Silver Lake Dr., P>O> Box 340
Portage, WI 53901

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	Local Grid Location of Well	Well Name
Former Neighborhood Cleaners	Feet **S** Feet **W**	**MW-6**
License /Permit /GEC Project No.	**Grid Origin Location**	**Wis. Unique No.**
GEC No. 2-0120-82		N/A
Type Of Well	**Section Location of Waste / Source**	**Date Well Installed**
Water Table Observatio [X] 11	NW -NW, Section 23, T21N, R17E	11/3/2020
Piezometer [ ] 12		
Distance Well is From Waste/Source Boundary	**Location to Well Relative to Waste/Source**	**Well Installed By:** (Persons Name & Firm)
	u [ ] Upgradient s [ ] Sidegradient	On-Site Environmental
Is Well a Point of Enforcement Std. Application	d [ ] downgradient n [ ] Not Shown	Tony Kapugi
[ ] Yes [ ] No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom ft. MSL _____ ft.

12. USCS Classification of soil near screen:
GP [ ] GM [ ] GW [ ] SW [ ] SP [X]
SM [X] SC [ ] ML [ ] CL [X] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

14. Drilling method used: Rotary [ ] 50
Hollow stem auger [X] 41
Direct Push Other [X]

15. Drilling fluid used: Water [X] 02 Air [ ] 50
Drilling Mud [ ] 03 None [ ] 41

16. Drilling additives used? [ ] Yes [X] No
Describe

17. Source of water (attach analysis)

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 2.5 ft.

G. Filter pack, top _____ ft. MSL or 3.5 ft.

H. Screen joint, top _____ ft. MSL or 4.0 ft.

I. Well bottom _____ ft. MSL or 14.0 ft.

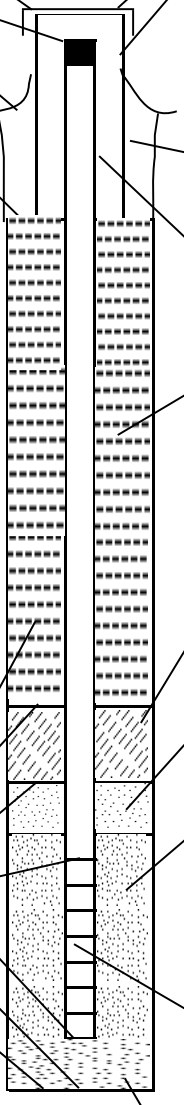
J. Filter pack , bottom _____ ft. MSL or 14.0 ft.

K. Borehole, bottom _____ ft. MSL or 14.0 ft.

L. Borehole, diameter 8 in

M. O.D. Well casing 2.375 in

N. I.D. Well casing 2.067 in



1. Cap and Lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1 ft
C. Material Steel [X] 4
Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Expandable locking plug

3. Surface seal: Bentonite [ ] 30
Concrete [ ] 1
Concrete Other [X]

4. Material between well casing and protective pipe:
Bentonite [X] 30
Annular space seal [ ]
Other [ ]

5. Annular space seal a. Granular Bentonite [X] 33
b.___ Lbs/gal mud weight ….Bentonite-sand slurry [ ] 35
c.___ Lbs/gal mud weight ……..Bentonite slurry [ ] 31
d.___ % Bentonite ……..Bentonite-cement grout [ ] 50
e.___ Ft3 volume added for any of the above
f. How installed: Tremie [ ] 1
Tremie pumped [ ] 2
Gravity [X] 8

6. Bentonite seal: a. Bentonite Granules [X] 33
b. [ ] ¼ in. [X] 3/8 in. [ ] ½ in Bentonite pellets [ ] 32
Other [ ]

7. Fine sand material: Manufacture, product name and mesh size
a. NSF 30/100
v. Volume added 0.5 bags ft3

8. Filter pack material: Manufacture, product name and mesh size
a. NSF 10/20
v. Volume added 3 bags ft3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 [ ] 24
Other [ ]

10. screen Material:
a: Screen type: Factory Cut [X] 11
Continuous slot [ ] 1
Other [ ]
b: Manufacture Monoflex
c: Slot size: 0.01 in.
d. Slotted length: 10 ft.

11. Backfill Material: None [X] 14
Other [ ]

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

Signature *Brian Youngwirth*

Firm General Engineering Company
916 Silver Lake Dr., P>O> Box 340
Portage, WI 53901

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Route To: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	Local Grid Location of Well	Well Name
Former Neighborhood Cleaners	Feet **S** Feet **W**	**PZ-1**
License /Permit /GEC Project No.	**Grid Origin Location**	**Wis. Unique No.**
GEC No. 2-0120-82		N/A
Type Of Well	**Section Location of Waste / Source**	**Date Well Installed**
Water Table Observatio [X] 11 Piezometer [ ] 12	NW -NW, Section 23, T21N, R17E	11/3/2020
Distance Well is From Waste/Source Boundary	**Location to Well Relative to Waste/Source** u [ ] Upgradient s [ ] Sidegradient d [ ] downgradient n [ ] Not Shown	**Well Installed By:** (Persons Name & Firm) On-Site Environmental Tony Kapugi
Is Well a Point of Enforcement Std. Application [ ] Yes [ ] No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL _____ ft.

12. USCS Classification of soil near screen:
GP [ ] GM [ ] GW [ ] SW [ ] SP [ ]
SM [ ] SC [ ] ML [ ] CL [X] CH [ ]
Bedrock [ ]

13. Sieve analysis attached? [ ] Yes [X] No

14. Drilling method used: Rotary [ ] 50
Hollow stem auger [X] 41
Direct Push Other [X]

15. Drilling fluid used: Water [ ] 02 Air [ ] 50
Drilling Mud [ ] 03 None [X] 41

16. Drilling additives used? [ ] Yes [X] No
Describe

17. Source of water (attach analysis)

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 18.0 ft.

G. Filter pack, top _____ ft. MSL or 19.0 ft.

H. Screen joint, top _____ ft. MSL or 20.0 ft.

I. Well bottom _____ ft. MSL or 25.0 ft.

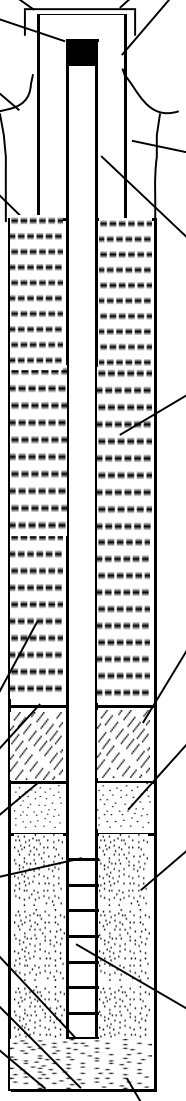
J. Filter pack , bottom _____ ft. MSL or 25.0 ft.

K. Borehole, bottom _____ ft. MSL or 25. 0 ft.

L. Borehole, diameter 8 in

M. O.D. Well casing 2.375 in

N. I.D. Well casing 2.067 in



1. Cap and Lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9 in
b. Length: 1 ft
C. Material Steel [X] 4
Other [ ]
d. Additional protection? [X] Yes [ ] No
If yes, describe: Expandable locking plug

3. Surface seal: Bentonite [ ] 30
Concrete [ ] 1
Concrete Other [X]

4. Material between well casing and protective pipe:
Bentonite [X] 30
Annular space seal [ ]
Other [ ]

5. Annular space seal a. Granular Bentonite [X] 33
b.___ Lbs/gal mud weight ….Bentonite-sand slurry [ ] 35
c.___ Lbs/gal mud weight ……..Bentonite slurry [ ] 31
d.___ % Bentonite ……..Bentonite-cement grout [ ] 50
e.___ Ft3 volume added for any of the above
f. How installed: Tremie [ ] 1
Tremie pumped [ ] 2
Gravity [X] 8

6. Bentonite seal: a. Bentonite Granules [X] 33
b. [ ] ¼ in. [X] 3/8 in. [ ] ½ in Bentonite pellets [ ] 32
Other [ ]

7. Fine sand material: Manufacture, product name and mesh size
a. NSF 30/100
v. Volume added 3 bags ft3

8. Filter pack material: Manufacture, product name and mesh size
a. NSF 10/20
v. Volume added 4 bag ft3

9. Well casing: Flush threaded PVC schedule 40 [X] 23
Flush threaded PVC schedule 80 [ ] 24
Other [ ]

10. screen Material:
a: Screen type: Factory Cut [X] 11
Continuous slot [ ] 1
Other [ ]
b: Manufacture Monoflex
c: Slot size: 0.01 in.
d. Slotted length: 5 ft.

11. Backfill Material: None [X] 14
Other [ ]

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

Signature *Brian Youngwirth*

Firm General Engineering Company
916 Silver Lake Dr., P>O> Box 340
Portage, WI 53901

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B

Rev. 4-90

Route To:
☐ Solid Waste ☐ Haz. Waste ☐ Wastewater
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	County Name	Well Name
Former Neighborhood Cleaners	Ouagamie	**MW-1**

Facility License/ Permit No./GEC Project No.	County Code	Wis. Unique Well Number	DNR Well Number
Gec # 2-0120-82	45	n/a	n/a

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surge with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surge with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☒ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other	☐

3. Time spent developing well 15 min.

4. Depth of Well (from top of casing) 14.94 ft.

5. Inside diameter of well 2.00 in.

6.Volume of water in filter pack and well casing 1.47 gal.

7. Volume of water removed from well 2 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added None

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to water From top of well casing	13.35 ft.	a. -- ft.
Date	11/16/20 b.	b. 11/16/20
Time	7:00 c. ☐ p.m. ☒ a.m.	c. 7:15 ☐ p.m. ☒ a.m.
12. Sediment in well bottom	inches	inches
13.Water clarity		
Clear / Turbid (Describe)	☒ 10 ☐ 15	Clear ☒ 10 Turbid ☐ 15 (Describe)

Fill in if fluids were used and wells is at solid waste facility:

14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Additional comments on development

No odor

Well developed by: Person's Name and Firm

Name: Brian Youngwirth

Firm General Engineering Company

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

Signature: Brian Youngwirth

Print Initials: B Y

Firm: General Engineering Company

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B

Rev. 4-90

Route To:
☐ Solid Waste ☐ Haz. Waste ☐ Wastewater
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	County Name	Well Name
Former Neighborhood Cleaners	Ouagamie	**MW-2**

Facility License/ Permit No./GEC Project No.	County Code	Wis. Unique Well Number	DNR Well Number
Gec # 2-0120-82	45	n/a	n/a

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surge with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surge with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☒	51
pumped slowly	☐	50
Other	☐	

3. Time spent developing well 30 min.

4. Depth of Well (from top of casing) 14.84 ft.

5. Inside diameter of well 2.00 in.

6.Volume of water in filter pack and well casing 8.57 gal.

7. Volume of water removed from well 30 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added None

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to water From top of well casing	5.42 ft.	a. -- ft.
Date	11/16/20 b.	b. 11/16/20
Time	7:30 c. ☐ p.m. ☒ a.m.	c. 8:00 ☐ p.m. ☒ a.m.
12. Sediment in well bottom	inches	inches
13.Water clarity		
Clear	☐ 10	☒ 10
Turbid	☒ 15	☐ 15
(Describe)	Cloudy	

Fill in if fluids were used and wells is at solid waste facility:

14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Additional comments on development

No odor

Well developed by: Person's Name and Firm

Name: Brian Youngwirth

Firm General Engineering Company

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

Signature: Brian Youngwirth

Print Initials: B Y

Firm: General Engineering Company

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B

Rev. 4-90

Route To:
☐ Solid Waste ☐ Haz. Waste ☐ Wastewater
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	County Name	Well Name
Former Neighborhood Cleaners	Ouagamie	**MW-3**

Facility License/ Permit No./GEC Project No.	County Code	Wis. Unique Well Number	DNR Well Number
Gec # 2-0120-82	45	n/a	n/a

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surge with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surge with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☒ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other	☐

3. Time spent developing well 15 min.

4. Depth of Well (from top of casing) 14.94 ft.

5. Inside diameter of well 2.00 in.

6.Volume of water in filter pack and well casing 0.78 gal.

7. Volume of water removed from well 1 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added None

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to water From top of well casing	14.08 ft.	a. -- ft.
Date	11/16/20 b.	b. 11/16/20
Time	8:15 c. ☐ p.m. ☒ a.m.	c. 8:30 ☐ p.m. ☒ a.m.
12. Sediment in well bottom	inches	inches
13.Water clarity		
Clear	☒ 10	Clear ☒ 10
Turbid	☐ 15	Turbid ☐ 15
(Describe)		(Describe)

Fill in if fluids were used and wells is at solid waste facility:

14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Additional comments on development

No odor

Well developed by: Person's Name and Firm

Name: Brian Youngwirth

Firm General Engineering Company

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

Signature: Brian Youngwirth

Print Initials: B Y

Firm: General Engineering Company

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B

Rev. 4-90

Route To:
☐ Solid Waste ☐ Haz. Waste ☐ Wastewater
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	County Name	Well Name
Former Neighborhood Cleaners	Ouagamie	**MW-4**

Facility License/ Permit No./GEC Project No.	County Code	Wis. Unique Well Number	DNR Well Number
Gec # 2-0120-82	45	n/a	n/a

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surge with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surge with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☒ 51
pumped slowly	☐ 50
Other	☐

3. Time spent developing well 15 min.

4. Depth of Well (from top of casing) 14.78 ft.

5. Inside diameter of well 2.00 in.

6.Volume of water in filter pack and well casing 1.58 gal.

7. Volume of water removed from well 2 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added None

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to water From top of well casing	13.04 ft.	a. -- ft.
Date	11/16/20 b.	b. 11/16/20
Time	8:30 c. ☐ p.m. ☒ a.m.	c. 8:45 ☐ p.m. ☒ a.m.
12. Sediment in well bottom	inches	inches
13.Water clarity		
Clear ☒ 10 / Turbid ☐ 15 (Describe)		Clear ☒ 10 / Turbid ☐ 15 (Describe)

Fill in if fluids were used and wells is at solid waste facility:

14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Additional comments on development

No odor

Well developed by: Person's Name and Firm

Name: Brian Youngwirth

Firm General Engineering Company

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

Signature: Brian Youngwirth

Print Initials: B G

Firm: General Engineering Company

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B

Rev. 4-90

Route To:
☐ Solid Waste ☐ Haz. Waste ☐ Wastewater
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	County Name	Well Name
Former Neighborhood Cleaners	Ouagamie	**MW-5**

Facility License/ Permit No./GEC Project No.	County Code	Wis. Unique Well Number	DNR Well Number
Gec # 2-0120-82	45	n/a	n/a

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surge with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surge with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☒ 51
pumped slowly	☐ 50
Other	☐

3. Time spent developing well 30 min.

4. Depth of Well (from top of casing) 13.55 ft.

5. Inside diameter of well 2.00 in.

6.Volume of water in filter pack and well casing 9.06 gal.

7. Volume of water removed from well 15 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added None

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to water From top of well casing	3.59 ft.	a. -- ft.
Date	11/16/20 b.	b. 11/16/20
Time	9:00 c. ☐ p.m. ☒ a.m.	c. 9:30 ☐ p.m. ☒ a.m.
12. Sediment in well bottom	inches	inches
13.Water clarity		
Clear ☐ 10 / Turbid ☒ 15 (Describe)	Cloudy	Clear ☒ 10 / Turbid ☐ 15 (Describe)

Fill in if fluids were used and wells is at solid waste facility:

14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Additional comments on development

No odor

Well developed by: Person's Name and Firm

Name: Brian Youngwirth

Firm General Engineering Company

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

Signature: Brian Youngwirth

Print Initials: B Y

Firm: General Engineering Company

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B

Rev. 4-90

Route To:
☐ Solid Waste ☐ Haz. Waste ☐ Wastewater
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	County Name	Well Name
Former Neighborhood Cleaners	Ouagamie	**MW-6**

Facility License/ Permit No./GEC Project No.	County Code	Wis. Unique Well Number	DNR Well Number
Gec # 2-0120-82	45	n/a	n/a

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surge with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surge with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☒ 51
pumped slowly	☐ 50
Other	☐

3. Time spent developing well 30 min.

4. Depth of Well (from top of casing) 13.68 ft.

5. Inside diameter of well 2.00 in.

6.Volume of water in filter pack and well casing 6.50 gal.

7. Volume of water removed from well 9 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added None

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to water From top of well casing	6.45 ft.	a. -- ft.
Date	11/16/20 b.	b. 11/16/20
Time	9:30 c. ☐ p.m. ☒ a.m.	c. 10:00 ☐ p.m. ☒ a.m.
12. Sediment in well bottom	inches	inches
13.Water clarity		
Clear ☐ 10 / Turbid ☒ 15 (Describe)	Cloudy	Clear ☒ 10 / Turbid ☐ 15 (Describe)
Fill in if fluids were used and wells is at solid waste facility:		
14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Additional comments on development

No odor

Well developed by: Person's Name and Firm

Name: Brian Youngwirth

Firm General Engineering Company

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

Signature: Brian Youngwirth

Print Initials: B Y

Firm: General Engineering Company

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B

Rev. 4-90

Route To:
☐ Solid Waste ☐ Haz. Waste ☐ Wastewater
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐

Facility / Project Name	County Name	Well Name
Former Neighborhood Cleaners	Ouagamie	PZ-1

Facility License/ Permit No./GEC Project No.	County Code	Wis. Unique Well Number	DNR Well Number
Gec # 2-0120-82	45	n/a	n/a

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surge with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surge with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☒ 51
pumped slowly	☐ 50
Other	☐

3. Time spent developing well 30 min.

4. Depth of Well (from top of casing) 24.32 ft.

5. Inside diameter of well 2.00 in.

6.Volume of water in filter pack and well casing 12.38 gal.

7. Volume of water removed from well 12 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added None

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to water From top of well casing	10.72 ft.	a. -- ft.
Date	11/16/20 b.	b. 11/16/20
Time	10:00 c. ☐ p.m. ☒ a.m.	c. 10:30 ☐ p.m. ☒ a.m.
12. Sediment in well bottom	inches	inches
13.Water clarity		
Clear	☐ 10	☒ 10
Turbid	☒ 15	☐ 15
(Describe)	Cloudy	

Fill in if fluids were used and wells is at solid waste facility:

14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Additional comments on development

No odor

Well developed by: Person's Name and Firm

Name: Brian Youngwirth

Firm General Engineering Company

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

Signature: Brian Youngwirth

Print Initials: B Y

Firm: General Engineering Company

APPENDIX E

WELL LOGS

RECEIVED
Wel 6
MAR - 2 1964
SANITARY ENGINEERING

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Outagamie — Town ☒ / Village ☐ / City ☐ Grand Chute (Check one and give name)

2. Location SW¼ of SW¼, SEC 14, T. 21N, R 17E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Roy Boyle
Name of individual, partnership or firm

4. Mail Address 3040 N. Richmond St Appleton Wis
Complete address required

5. From well to nearest: Building 15 ft; sewer — ft; drain title 15 ft; septic tank 51 ft;
dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Residence

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	325

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Blk Steel 1945	0	92

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle clay	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	63
Sand	63	77
Hard Pan	77	92
Lime Rock	92	325

Construction of the well was completed on:

2 - 20 1964

The well is terminated 8 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 15 GPM.

Depth from surface to water-level: 93 ft.

Water-level when pumping: 125 ft.

Water sample was sent to the state laboratory at:

Madison (City) on 2 - 23 1964

Signature Ed Blaknik 1211 (Registered Well Driller) St Clair St Green Bay Wis (Complete Mail Address)

Please do not write in space below

Rec'd — No.

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

3074

WELL CONSTRUCTOR'S REPORT — **WISCONSIN STATE BOARD OF HEALTH** — Wel 6

1. COUNTY: Outagamie — CHECK ONE: ☑ Town ☐ Village ☐ City — NAME: Grand Chute — RECEIVED

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.) Hi 00 & Oneida Ct. Se 14, T 21 N, R 17 E, Sw of S-W — APR - 4 1966

3. OWNER AT TIME OF DRILLING: Humble Oil Co. Kansas City Mo.

4. OWNER'S COMPLETE MAIL ADDRESS: Humble Oil Bldg. Kansas City Mo.

5. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
15	35	50	20				35	75

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		35		50	75	1			

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Filling Station

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	28			
6	28	269			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel & Shoe	Surface	
	19:45 lb	0	64

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Dry slurry	Surface	28

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	64
Limestone	64	157
Sandstone	157	260

Well construction completed on: Dec 1 1965

11. MISCELLANEOUS DATA

Yield test: 3 Hrs. at 10 GPM

Depth from surface to normal water level: 115 ft.

Depth to water level when pumping: 125 ft.

Well is terminated 10 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to Oshkosh March 16-66 laboratory on: March 16 66 1966

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side. MAR 16 1966

SIGNATURE: Gudbach Well Drilling — Registered Well Driller: Richard Gudbach

COMPLETE MAIL ADDRESS: 324 E. Hancock St Appleton Wis

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
3075 930	0 0 0 0 0	0 0 0 0 0		Safe

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

RECEIVED
FEB 24 1964
SANITARY ENGINEERING

See Instructions on Reverse Side

1. County Outagamie — Town ☒ / Village ☐ / City ☐ Grand Chute (Check one and give name)

2. Location S.W. 1/4 of S.W. 1/4 SEC. 14 - T 21 - R 17E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Mr. Roy Boyle
Name of individual, partnership or firm

4. Mail Address 3040 N. Richmond St. Appleton Wis
Complete address required

5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank 51 ft; dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Private Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	125

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Blk Steel 19.45	0	92

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	63
Sand	63	77
Hard Pan	77	92
Lime Rock	92	125

Construction of the well was completed on: 2-20-64 19 64

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes X No —

Was the well sealed watertight upon completion?
Yes X No —

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 15 GPM.

Depth from surface to water-level: 93 ft.

Water-level when pumping: 125 ft.

Water sample was sent to the state laboratory at: Madison (City) on 2-23 19 64

Signature Edward Blahnik (Registered Well Driller) 1211 St Clair St Green Bay (Complete Mail Address)

Please do not write in space below

Rec'd — No.

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

3076

Wel 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Outagamie — Town ☒ / Village ☐ / City ☐ — Grand Chute
   Check one and give name
2. Location 3030 N. Richmond Street — NW SW, SW, Sec. 14, T21N, R17E
   Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Clarence B. Wendorf
   Name of individual, partnership or firm
4. Mail Address 3030 N. Richmond Street
   Complete address required
5. From well to nearest: Building 15 ft; sewer 100 ft; drain 15 ft; septic tank 100 ft; dry well or filter bed 100 ft; abandoned well None ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	98	6	98	310

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel	0	98

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	98

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	45
Hardpan	45	78
Rock ledge	78	94
Limestone & shale layers	94	310

RECEIVED

Construction of the well was completed on: October 8 19 59

The well is terminated 9 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 1 Hrs. at 42 GPM.

Depth from surface to water-level: 111 ft.

Water-level when pumping: 143 ft.

Water sample was sent to the state laboratory at: Oshkosh City on 1/20 19 60

Signature R. J. SCHAFER & SONS — Registered Well Driller

Fremont, Wisconsin — Complete Mail Address

Please do not write in space below

Rec'd JAN 20, '60 No. 361

Ans'd

Interpretation Safe

3077

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	0	0	0	0	0
48 hrs.	+	0	0	0	0
Confirm	0				
B. Coli					

Examiner L. A. Frank

Wel. 6-30M (6-50)

RECEIVED MAY 27 1952 ENGINEERING SANITATION SECTION

NE, NE, Sec. 22, T21N R17E

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County OUTAGAMIE {Town ☐ / Village ☐ / City ☐} GRAND CHUTE — Check one and give name

2. Location LOCUST + WEILAND AVE - WIELAND PLAT APPLETON
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ Joe. RUPIPER
Name of individual, partnership or firm

4. Mail Address 904½ W. WIS AVE APPLETON
Complete address required

5. From well to nearest: Building____ft; sewer____ft; drain____ft; septic tank____ft; dry well or filter bed____ft; abandoned well____ft.

6. Well is intended to supply water for: PROPOSED HOME

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	80			
6	80	110			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel	0	90

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	90

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	80
HARDPAN	80	90
Limestone	90	110

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 8 GPM.

Depth from surface to water-level: 75 ft.

Water-level when pumping: 77 ft.

Water sample was sent to the state laboratory at: Oshkosh City on May 18 1952 10 A.M.

Construction of the well was completed on: May 16 1952

The well is terminated 12 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No____

Was the well sealed watertight upon completion? Yes ✓ No____

Signature Goldsmith & Son Registered Well Driller

324 E. Hancock St. Appleton Complete Mail Address

Please do not write in space below

MAY 19 1952

Rec'd____ No. 1055

Ans'd____

Interpretation Safe

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	0	0	0	0	0
48 hrs.	0	0	0	0	0
Confirm					
B. Coli					

Examiner____

3534

County Outagamie Twp. Grand Chute Sec.

(Office Record—Do not fill in)

NW, NW, Sec. 23, T 21 N, R 17 E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG, PREMISES DIAGRAM, and REPORT

For Official Record of the Board.

(TO BE USED FOR THAT PURPOSE ONLY)

Owner .....
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Wm. Marcel Appleton
(City, village, township, county)

Driller Albert Goldbeck & Son

Address 324 E Hancock St Appleton Wis

Date of Report Nov. 1 1936

Outagamie county Town of Grand Chute Registration No. 191

Give below the location of the property on which well is drilled.

If incorporated village or city: .....
Name Lot Blk. Street and No.

If unincorporated hamlet .....
Name County Twp. Highway

If Lake Shore Plat .....
Name of Plat Lake Lot Blk. Street

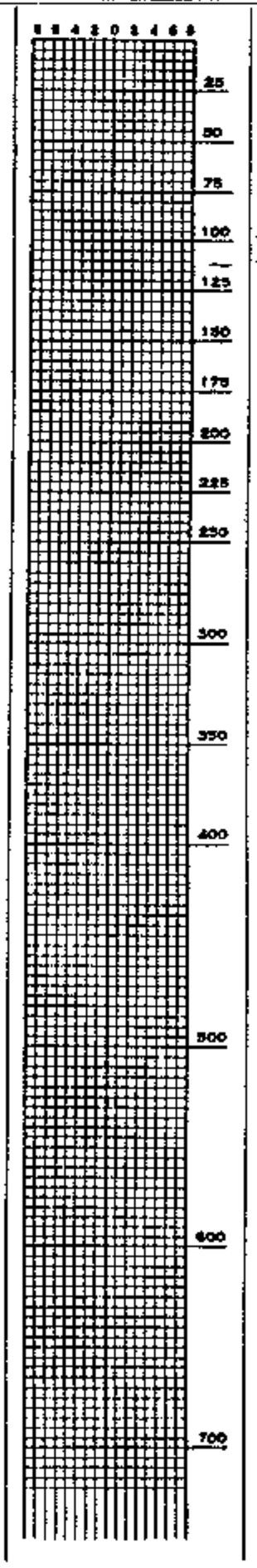
If Farm 500 ft east of intersection of Hwy 41 and 47 So side
County Twp. Sec. Highway

If School .....
County Twp. Sec. District

If other public building .....
Kind County Twp. Sec.

Miscellaneous .....
Kind County Twp. Sec.

WELL LOG and REPORT

Screens, Seals Grouts, etc.	Well Diagram (Each vertical line equals 1')	Kind of Casing, liner, shoe, etc. (Each horizontal line equals 5')	Formations State if dry or water bearing	Record of FINAL Pumping Test
		0 to 100' of 4" steel casing with shoe	0 to 75' Top Soil + clay 75' to 100' SAND + GRAVEL 100' to 117' gray Limestone and River Rock	Duration of test Hours 5 hr. Pumping Rate. G. P. M. 3 Depth of pump in well. Ft. 54' Standing water-level (from surface.) Ft. 41' Water level when pumping Ft. 41' Water. End of test. Check: Clear X Cloudy ..... Turbid ..... Was well sterilized before test? Yes ..... No ..... Date Farran To which Laboratory was sample sent? ..... Date ..... Was the well sealed on completion? Yes X No ..... How high did you leave casing above grade? 1' Well was completed Nov 1 1936 Well Driller: Albert Goldbeck Signature: & Son (Be sure to complete the report on the reverse side)

WISCONSIN'S ORIGINAL

3542

PREMISES DIAGRAM

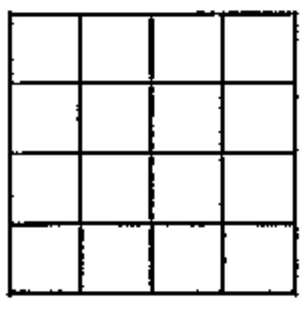
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III for specimen Diagram.

REMARKS:

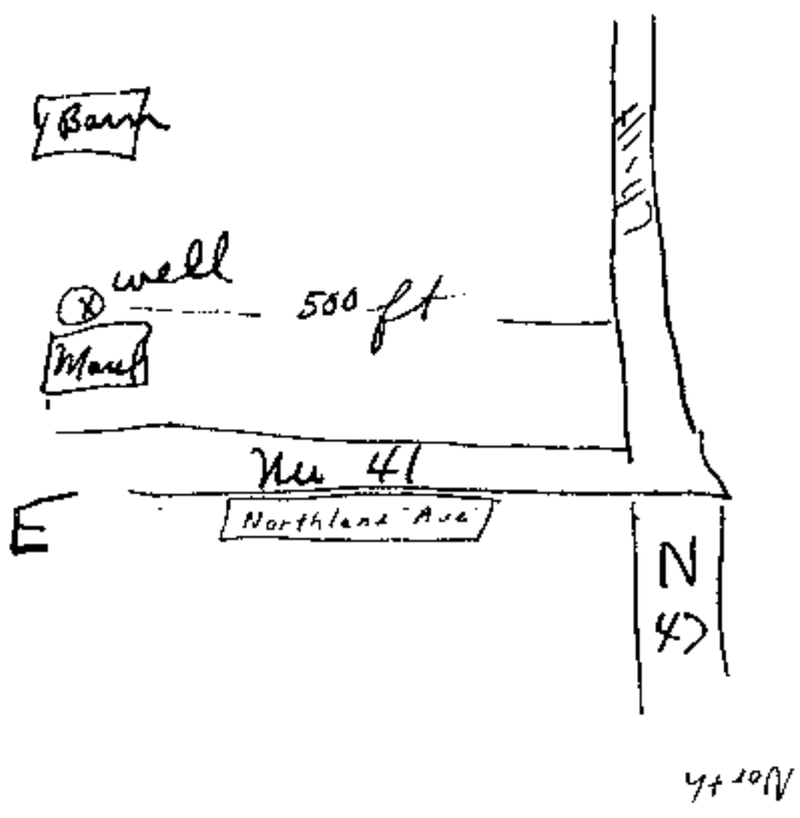
NORTH

Indicate position of premises in the Section



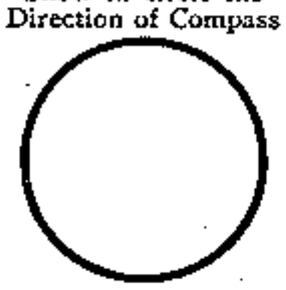
Sec 23 T 21 R 12 (E) (W) (Each division equals 10') (If more or less indicate: _____)

5



Not to N

Show in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

OU3542_2

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

OU-20-G

JAN 6 1948

1. County OUTAGAMIE {Town / ~~Village~~ / ~~City~~} Grand Chute

W½, NW, NW, NW, Sec. 23 T21N R17E

2. Location Cor. Hi. 47 & 41. Appleton -

3. Owner or Agent NORTH STAR LOCKER PLANT

4. Address Hi. 47 - APPLETON

5. From well to nearest: Building 10 ft; sewer 40 ft; drain 20 ft; septic tank 100 ft; dry well or filter bed 110 ft; abandoned well _____ ft.

6. Well is intended to supply water for: LOCKER PLANT

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	80
6	80	410

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Stand Steel Pipe	0	100

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry & Drill Cuttings	0	100

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Clay	80	80
Sand	10	90
Hard Pan	10	100
Limestone (Yellow) up to first sample		
Rock as per samples.		410

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 7 GPM.

Depth from surface to water: 78 ft.

Water-level when pumping: 78 ft.

Water sample sent to laboratory at

_____ on _____ 19____

Construction of the well was completed on June 10 19 47

The well is terminated 18 inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion?

Yes X No _____

Was the well sealed watertight upon completion?

Yes X No _____

OVER

Signature Goldschmidt Bros 324 E. Hancock St
Registered Well Driller — Complete Mail Address

Appleton Wis

SEE OTHER SIDE

35434-1

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, connecting pits, etc., may be given here:

Plant now using another well
thru a delay in pump we got
no sample from well, as we were
to install pump all in one operation
Will sterilize and get sample soon as
pump arrives - water used on coolers.

DO NOT FILM

If more space is needed another sheet may be attached.

3543-2

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER CY355

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707
Form 3300-077A

Property Owner: GRAND CHUTE FIRE DEPT		Phone #: (414)832-1573
Mailing Address: 502 W NORTHLAND AVE		
City: APPLETON	State: WI	Zip Code: 54911
County: Outagamie	Co. Permit #:	Notification #:
Completed: 10-26-1990		

1. Well Location
Town of GRAND CHUTE
Fire # (if avail.):
Street Address or Road Name and Number: 502 W NORTHLAND AVE
Subdivision Name: | Lot #: | Block #:

Well Constructor (Business Name): WILLEMS JR LEONARD	Lic. #: 451	Facility ID # (Public Wells):
Address: ROUTE 1 GREENLEAF WI 54126		Well Plan Approval #:
		Approval Date (mm-dd-yyyy):
Hicap Permanent Well #:	Common Well #:	Specific Capacity: 0.7

Latitude / Longitude in Decimal Degree (DD): °N °W
Method Code: GPS008

SW	SW	Section	Township	Range
or Govt Lot #		14	21 N	17 E

2. Well Type Replacement
of previous unique well # constructed in
Reason for replaced or reconstructed well ?
REPLACED OLD 4"
Construction Type: Drilled

3. Well serves 1 # of
Private,potable
Heat Exchange____# of drillholes
Hicap Well ? No
Hicap Property ? No
Hicap Potable ?

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
10	Surface	83
6	83	207

Upper Enlarged Drillhole / Lower Open Bedrock

Yes Rotary - Mud Circulation .....
Yes Rotary - Air .....
Rotary - Air & Foam .....
Drill-Through Casing Hammer
Reverse Rotary
Cable-tool Bit ____in. dia...
Dual Rotary .....
Temp. Outer Casing ____in. dia
Removed? ____depth ft. (If NO explain on back side)

Geology Codes	**8. Geology** Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
C	CLAY	Surface	60
P	HARD PAN	60	83
L	LIMESTONE	83	207

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	ASTM A-53 GR. B NEWPORT STEEL WELDED JOINT WT.18.97 PER FT.	Surface	84
Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

9. Static Water Level
50 ft. below ground surface

10. Pump Test
Pumping level 85 ft. below surface
Pumping at 25 GP for 4 Hrs.
Pumping Method ?

11. Well Is
12 in. above grade
Developed ? Yes
Disinfected ? Yes
Capped ? Yes

7. Grout or Other Sealing Material
Method

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
DRILLING MUD	Surface	83	

12. Notified Owner of need to fill & seal ?
Filled & Sealed Well(s) as needed?
NOTIFIED TO ABANDON

13. Constructor / Supervisory Driller	Lic #	Date Signed
LW		11-12-1990
Drill Rig Operator	**Lic or Reg #**	**Date Signed**
TW		11-12-1990

4a. Potential Contamination Sources Is the well located in floodplain ? No

Type	Qualifier	Distance	Type	Qualifier	Distance
Building Overhang		20	Collector Sewer - San or Storm		50

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 03-11-1991 Created by: HFRC LOAD Updated On: 03-11-1991 Updated by: MIGRATION

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER FK644

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707

Form 3300-077A

Property Owner: VINCENT BAUM	Phone #: (414)734-2845
Mailing Address: 2904 N RICHMOND ST	
City: APPLETON	State: WI — Zip Code: 54911
County: Outagamie	Co. Permit #: — Notification #: — Completed: 08-28-1992

1. Well Location

Town of GRAND CHUTE

Fire # (if avail.): 2904

Street Address or Road Name and Number: HWY 47

Subdivision Name: — Lot #: — Block #: —

Well Constructor (Business Name): SCHMIDTS WATER SERVICE	Lic. #: 6
Facility ID # (Public Wells):	
Well Plan Approval #:	
Address: W5406 12 CORNER RD BLACK CREEK WI 54106-9803	
Approval Date (mm-dd-yyyy):	
Hicap Permanent Well #:	Common Well #:
Specific Capacity: 0.2	

Latitude / Longitude in Decimal Degree (DD): °N °W

Method Code: GPS008

SW	SW	Section	Township	Range
or Govt Lot #		14	21 N	17 E

2. Well Type Replacement

of previous unique well #: — constructed in: —

Reason for replaced or reconstructed well ?: OLD WELL CAVED IN

Construction Type: Drilled

3. Well serves 1 # of

Private,potable

Heat Exchange____# of drillholes

Hicap Well ? No

Hicap Property ? No

Hicap Potable ?

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
9	Surface	100
6	100	340

Upper Enlarged Drillhole — Lower Open Bedrock

Yes — Rotary - Mud Circulation .....

Rotary - Air .....

Rotary - Air & Foam .....

Drill-Through Casing Hammer

Reverse Rotary

Cable-tool Bit ____in. dia...

Dual Rotary .....

Temp. Outer Casing ____in. dia

Removed? ____depth ft. (If NO explain on back side)

Geology Codes				8. Geology Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
		C		CLAY	Surface	41
		X	G	CLAY, SAND, GRAVEL	41	48
		C		CLAY	48	87
		P	G	HARDPAN @ STONES	87	98
		L		LIMESTONE	98	340

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	NEW BLACK STEEL, P.E. 18.97#, ASTM A53, MAVERICKTX. PIPE, DRIVE SHOE	Surface	100
Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

7. Grout or Other Sealing Material

Method GRAVITY

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
MUD @ CUTTINGS	Surface	100	

9. Static Water Level

180 ft. below ground surface

10. Pump Test

Pumping level 240 ft. below surface

Pumping at 10 GP M for 8 Hrs.

Pumping Method ?

11. Well Is

12 in. above grade

Developed ? Yes

Disinfected ? Yes

Capped ? Yes

12. Notified Owner of need to fill & seal ?

Filled & Sealed Well(s) as needed? Yes

13. Constructor / Supervisory Driller	Lic #	Date Signed
TS		09-08-1992
Drill Rig Operator	**Lic or Reg #**	**Date Signed**

4a. Potential Contamination Sources Is the well located in floodplain ? No

Type	Qualifier	Distance
POWTS dispersal component (soil absorption unit or mound)		75
Building Overhang		9

Type	Qualifier	Distance
Sewer - Building Sanitary		27
Septic or Holding, or POWTS Tank		71

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 11-16-1992 Created by: HFRC LOAD Updated On: 11-16-1992 Updated by: MIGRATION

APPENDIX F

DRUM DISPOSAL

COVANTA
Environmental
Solutions

Invoice

Date	11/30/2020
Invoice #	CI114918
Terms	Net 30
SSM	Biggar, Jacob A
Memo	

Covanta Environmental Solutions - Fox Valley
210 Tower Road
Winneconne WI 54986
United States

Bill To

GENERAL ENGINEERING COMPANY
916 Silver Lake Drive
Portage, WI 53901

DEC 07 2020

Generator	Date	Doc #	Description	PO #	Qty	Unit	Price	Amount
Former Neighborhood Cleaners | 2702 North Richmond St, Appleton, WI	11/25/2020		Box Truck - Flat Rate		1	Each	$350.00	$350.00
Former Neighborhood Cleaners | 2702 North Richmond St, Appleton, WI	11/25/2020	172336	5004351, soil cuttings from former dry cleaning site, 8, D-55		8	D-55	$95.00	$760.00
	11/25/2020		EIS- Energy, Insurance and Security		1	Each	$139.86	$139.86

Total: $1,249.86

Contact Covanta Environmental Solutions at 800-842-9792 within 30 days of the invoice date for any and all billing discrepancies.

Covanta Environmental Solutions, LLC A nationwide network of Treatment, Recycling, Logistics and Energy-from-Waste resources to help clients reach their sustainability goals and protect tomorrow

Remittance Address
Covanta Environmental Solutions, LLC
29023 Network Place
Chicago, Il 60673-1290

Use following for ACH: JPMORGAN CHASE BANK N.A.
Bank/ABA/Routing # : 071000013, Bank Acct. # :878356844
Chicago Il
Use following for WIRE:
Bank/ABA/Routing# : 021000021, Bank Acct# : 878356844
New York, NY

Courier Address: JPMorgan Chase
Attn: Covanta Environmental Solutions LLC
29023 131 S. Dearborn, 6th Floor
Chicago, Il 60603

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CESOG		(800) 424-9300	CES 172336

GENERATOR

5. Generator's Name and Mailing Address
Former Neighborhood Cleaners
P O. Box 22190
Green Bay Wisconsin 54305 2190
Generator's Phone:

Generator's Site Address (if different than mailing address)
Former Neighborhood Cleaners
2702 North Richmond St
Appleton Wisconsin 54911

6. Transporter 1 Company Name: Covanta Environmental Solutions Carriers II, LLC — U.S. EPA ID Number: WIR000165399

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

8 Designated Facility Name and Site Address
Covanta Environmental Solutions
210 Tower Rd.
WINNECONNE WI 54986 (920) 582-7596
Facility's Phone:
U.S. EPA ID Number: WIR000131656

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, Non-DOT Regulated Material	008	DM	4800	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
I 5004351 soil cuttings from former dry cleaning site CWT: N/A PO#

Trailer #_____
Emergency Response Guide
Site arrival time _____
Site departure time _____
www.covanta.com

INT'L

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 Youngwirth — Signature: Brian Youngwirth — Month 11 Day 18 Year 20

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: Keith A Charles — Signature — Month 11 Day 25 Year 2020

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: Derek Koenig — Signature — Month 11 Day 25 Year 20