PRELIMINARY SITE INVESTIGATION REPORT

75th Street Improvements
at Milbrook Drive, Modaff Road, Olympus Drive,
and Greene Road
DuPage County, Illinois

Prepared for:

DuPage County Division of Transportation
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ACRONYMS

ACM	Asbestos Containing Material
bsg	Below Surface Grade
CCDD	Clean Construction or Demolition Debris
COC	Contaminant of Concern
CW	Construction Worker
GPS	Global Positioning System
GRO	Groundwater Remediation Objective
IAC	Illinois Administrative Code
IEPA	Illinois Environmental Protection Agency
ILCS	Illinois Compiled Statutes
LBP	Lead Based Paint
MAC	Maximum Allowable Concentration
MSA	Metropolitan Statistical Area
NELAP	National Environmental Laboratory Accreditation Program
NRCS	Natural Resources Conservation Service
PESA	Preliminary Environmental Site Assessment
PID	Photoionization Detector
PNA	Polynuclear Aromatic Hydrocarbon
ppm	Parts per Million
PSI	Preliminary Site Investigation
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
ROW	Right-of-Way
SCGW	Soil Component of the Groundwater Ingestion Exposure Route
SRO	Soil Remediation Objective
STAT	STAT Analysis Corporation
SVOC	Semi-Volatile Organic Compound
TACO	Tiered Approached to Corrective Action Objectives
TAL	Target Analyte List
TCL	Target Compound List
USCS	Unified Soil Classification System
USFO	Uncontaminated Soil Fill Operation
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1.0 INTRODUCTION

GSG Consultants, Inc. (GSG) completed a Preliminary Site Investigation (PSI) for the proposed 75th Street Improvement Project. The improvement covers areas at the intersections of Milbrook Drive, Modaff Road, Olympus Drive, and Greene Road along 75th Street in DuPage County, Illinois (Project Area). **Exhibit 1, Project Layout Map,** shows the PESA sites within and adjacent to the Project Area.

Based on preliminary information provided, the proposed improvement includes, but not be limited to, traffic signal modernization, incorporation of high visibility backplates, conversion of the left turn 75th Street approaches to protected only phasing and adding a dedicated right turn lane on each 75th Street approach to remove turning vehicles from the thru lane movement." The project area is generally situated in Naperville, Woodridge, and unincorporated DuPage County, in the southern portion of DuPage County. This PSI includes four (4) intersections located across a 5-mile stretch of 75th Street.

1.1 SITE BACKGROUND

GSG completed a Preliminary Environmental Site Assessment PESA (PESA) in August 2019. The PESA identified the following six (6) Recognized Environmental Conditions (RECs) / Potentially Impacted Properties (PIPs) in relation to the Project area, based on a review of database records, historical resources, and visual observations:

TABLE 1-1
SUMMARY OF PESA RECS/PIPS

Property Name	PESA Site	REC(s) including *de minimis* Condition(s)	Regulatory Database(s)
Hobson Plaza 931-967 W. 75th Street	6	Historical dry cleaner, SRP site with Comprehensive NFR; *Transformers, ACM, LBP, Historical Agricultural Land*	RCRA-CESQG, FINDS, ECHO, EDR Historical Cleaners, SRP, Institutional Controls, Engineering Controls
Jiffy Lube 944 W. 75th Street	10	Former repair shop and oil change facility; *Historical Agricultural Land*	None
Rose Plaza West 924 W. 75th Street	11	Historical dry cleaner; *Transformer, Historical Agricultural Land*	EDR Historical Cleaners
Naperville Electric Utility – Modaff Electrical Substation 1312 Modaff Road	22	Active electrical substation; *Historical Agricultural Land*	None

TABLE 1-1 SUMMARY OF PESA RECS/PIPS			
Property Name	**PESA Site**	**REC(s) including *de minimis* Condition(s)**	**Regulatory Database(s)**
Lincoln Junior High School 1320 Olympus Drive	28	UST; *Transformers, ACM, LBP, Historical Agricultural Land*	UST
Naperville Water Tower 1301-1303 Clyde Drive	29	UST; *Transformer, ACM, LBP, Historical Agricultural Land*	IL UST, SEMS Archive, IL SSU

Exhibit 2, RECs Map, shows the location of RECs / PIPs associated with the Project Area.

1.2 OBJECTIVES

The objectives of the PSI investigation were as follows:

- Determine areas of soil and groundwater impacted by special waste or regulated substances associated with Recognized Environmental Concerns (RECs)/Potentially impacted Properties (PIPs) identified in the PESA report.
- Evaluate soils laboratory analytical data and determine location of materials exceeding Illinois Environmental Protection Agency (IEPA) Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Soil Remediation Objectives for Residential Properties (35 Ill. Admin. Code 742), and/or the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Ill. Admin. Code 1100.605.
- Provide recommendations regarding soil management and disposal options and identify locations of impacted soils where Construction Worker Precautions will be required during construction activities of the proposed improvement.

1.3 ORGANIZATION

This PSI Report is organized into the following sections:

- **Section 1.0 – Introduction**

  This section presents a brief description of the Project Area location, the primary objectives of the investigation, and organization of this report.

- **Section 2.0 – Site Background**

  This section describes the findings of the PESAs performed within the Project Area and the proposed construction project.

- **Section 3.0 – Field Investigation Procedures**

  This section outlines the rationale for sampling and field activities associated with the Project Area investigation and field observations.

- **Section 4.0 – Investigation Results**

  This section provides a summary of soil analytical results, an evaluation and interpretation of the data obtained, an analysis of applicable regulatory requirements, and an evaluation of soil reuse and management options. Also included are the potential pay items associated with the construction activities.

- **Section 5.0 – Conclusions and Recommendations**

  This section presents relevant findings and conclusions of the investigation along with recommendations for further actions.

- **Section 6.0 – References**

  This section presents a list of references used in the preparation of this report.

2.0 FIELD INVESTIGATION PROCEDURES

This section describes the soil boring procedures, utility clearance, sample identification protocol, sampling and analyses program, quality control, and soil sampling procedures. **Exhibit 1**, **Project Layout Map**, shows the Project Area and the boring locations.

Field investigation activities were conducted under the direct supervision of the GSG Field Manager. All properties on which field investigation activities were performed are under the jurisdiction of DuPage County.

2.1 SOIL SAMPLING PROTOCOL

GSG developed a soil sampling plan based on the proposed improvement and location of the RECs identified along the Project Area. The sampling plan included advancement of a total eight (8) soil borings. Borings were placed in areas at the proposed improvements for the intersections along 75th Street. Soil boring SB-3 was not completed due to electric utility conflicts in the vicinity of the soil boring.

2.2 UTILITY CLEARANCE

Prior to drilling, GSG notified the DIGGER one-call system for utility locates within the public right-of-way (ROW). Boring locations were adjusted as needed based on utility conflicts, site conditions, and other access issues.

2.3 SOIL SAMPLING PROCEDURES

GSG advanced a total seven (7) borings to a maximum depth of 10 feet bsg under the direction of the GSG Field Manager. The soil borings were performed using a track-mounted Geoprobe 7822 drill rig with a 2.25" Dual-Tube sampling system. The Dual-Tube method does not require the introduction of water for borehole advancement or sampling and allows samples to be obtained which have not been impacted by drilling fluids. The borings were continuously sampled from existing ground surface to termination depth in each boring using a 60-inch long by 1-inch wide acetate sampler. Field equipment was either new or decontaminated and cleaned prior to each use.

GSG's Field Manager inspected each soil sample interval for the presence of soil staining and/or olfactory impacts, and color and texture were classified per the Unified Soil Classification System (USCS). Soil samples were screened in 1-foot intervals using a calibrated Photoionization Detector (PID) for the presence of VOCs using the headspace procedure. PID readings above ambient air, recorded in parts per million (ppm), were measured and recorded on the field boring logs. Soil samples for VOC analysis were collected immediately after sample retrieval in accordance with *SW-846 Method 5035* using an Encore™ sampler and transported to the laboratory in a separate cooler.

Following the collection of the VOC samples, soil samples to be analyzed for SVOCs/PNAs, PCBs, Pesticides, TAL Metals, Total Cyanide, and pH were collected. Soil samples were taken directly from the acetate liners and placed in clean laboratory-supplied sampling containers with Teflon®-lined lids. A new pair of clean disposable gloves were worn while collecting samples and were changed at each new boring location to prevent any cross-contamination of the samples.

All soil samples were labeled with a unique identifier, placed in a cooler packed with ice, stabilized to a temperature of between 1 and 4 degrees Celsius (°C), transported to STAT Analysis Corporation (STAT), a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory, and received under standard chain-of-custody procedures.

Detailed descriptions of the subsurface soils and PID readings recorded during the field investigation are provided in **Appendix B, Soil Boring Logs**. The stratifications shown on the boring logs represent the conditions only at the actual boring locations and the approximate boundary between subsurface materials; however, the actual transition may be gradual.

2.4 SAMPLING AND ANALYSES PROGRAM

GSG developed analytical testing program for the PSI based on the nature of the RECs identified in the PESA. The soil samples collected during the PSI investigation were submitted for analysis to STAT Analysis Corporation (STAT) in accordance with the procedures outlined in *SW-846, Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*. STAT reported that all laboratory analysis and quality control/quality assurance procedures were performed in accordance with the requirements of *35 Illinois Administrative Code (IAC) 186, Accreditation of Environmental Laboratories*. The **Laboratory Analytical Reports**, including the Chains of Custody, are included in **Appendix C**.

Select soil samples were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs)/Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) (US EPA Methods 5035/8260B);
- Semi-volatile Organic Compounds (SVOCs)/Polynuclear Aromatic Hydrocarbons (PNAs) (US EPA Method 8270D);
- Polychlorinated Biphenyls (PCBs): US EPA Method SW8082A
- Pesticides: US EPA Method SW8081B
- Target Analyte List (TAL) Total Metals (US EPA Methods 3050B/6010D/7470A);
- TCLP/SPLP Metals ((US EPA Methods 3050B/6010D/7470A);
- Total Cyanide (US EPA Method 9012A); and
- pH (US EPA Method 9045C)

3.0 INVESTIGATION RESULTS

This section presents the results of GSG's field investigation and includes a discussion of laboratory analytical results compared to applicable screening criteria, significant field observations, Project Area geology and topography, a review of applicable regulatory requirements, and an evaluation of soil management options.

Samples were analyzed for the parameters listed in **Section 3.3**. Laboratory results were reviewed by GSG for laboratory precision, accuracy, and completeness in accordance with procedures and QC limits. Laboratory data packages are included as **Appendix C.**

3.1 GENERAL FIELD OBSERVATIONS

General observations made during GSG's site investigation are summarized as follows:

- Topsoil and organic material was observed in all seven (7) borings ranging from depths of three (3) inches to twelve (12) inches bsg;
- Fill was observed in one (1) of seven (7) borings, consisting of brown and black sand and gravel extending to a maximum depth of four (4) feet below surface grade (bsg);
- Native materials encountered during the investigation typically consisted of brown and gray mottled silty clays with trace gravel and/or sand, below the fill layer, if fill existed, to the maximum boring termination depth of ten (10) feet bsg;
- Groundwater was only encountered in boing SB-8, at a depth of approximately 4 feet bgs;
- Visual indications of staining and/or petroleum odors were not observed.
- PID readings were not observed above ambient air in any of the borings.

3.2 PROJECT AREA GEOLOGY

GSG reviewed published geologic information to develop an understanding of site geology and anticipated groundwater flow direction. Groundwater flow can be locally impacted by utilities, wells, or other man-induced changes, but generally corresponds with surface topography. The 2018 USGS 7.5-minute Normantown and Romeoville Quadrangles show the western portion of the project area to be sloping generally east towards the West Branch of the DuPage River, starting at an elevation of around 700 feet to around 650 feet. The eastern portion of the project area is generally sloping east towards the East Branch of the DuPage River, starting at an elevation of 690 feet to 670 feet.

According to the "Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes," (Richard C. Berg, John P. Kempton, ISGS, 1984), the project area is located within the B2, C2, and E rating areas. The geologic materials in the B2 rating area consist of "sand and gravel within 20 feet of the surface, overlain by relatively impermeable till or other fine-grained material." The potential for contamination is

"high" because "wastes in 20-foot trenches will be in contact with water bearing sand and gravel." The geologic materials in the C2 rating area consist of "continuous sand and gravel unit (often thin) between 20 and 50 feet deep; always overlain by relatively impermeable till or other fine-grained material and underlain by till or dense bedrock." The potential for contamination is "high, although the thick overlying deposits protect aquifers." The geologic materials in the E rating area consist of "uniform, relatively impermeable silty or clayey till or other fine-grained materials more than 50 feet thick; no sand and gravel identified." The potential for contamination is "low" because of low hydraulic conductivity, 1 x 10^{-9} to 1 x 10^{-7} cm/sec and good attenuation capacities.

3.3 STRATIGRAPHY

Evaluation of the stratigraphy of the boreholes advanced during the investigation revealed a layer of brown and black sand and gravel in boring SB-8. Topsoil and organic material were present in all seven (7) borings ranging from a depth of three (3) inches to twelve (12) inches bsg. Native materials encountered during the investigation typically consisted of brown and gray mottled silty clays with trace gravel and/or sand, below the fill layer, if fill existed, to the maximum boring termination depth of ten (10) feet bsg. Detailed descriptions of the subsurface soils during the site investigation are provided in **Appendix B, Soil Boring Logs.**

3.4 SAMPLE RATIONALE AND ANALYSES

GSG collected seven (7) soil samples during the field investigation from the seven (7) boring locations. Soil samples were selected for laboratory analysis based on the soil classification, sample interval, visual and olfactory observations, and PID readings.

3.5 ANALYTICAL DATA EVALUATIONS

3.5.1 IDOT ANALYTICAL PROCEDURES

GSG followed the guidelines for comparing analytical data as outlined in *IDOT Bureau of Design and Environment (BDE) Manual Chapter 27 (revised June 2018), Part 27-3.05(a)*:

> *The PSI has been conducted to identify areas impacted by special waste or regulated substances, recommend actions to be taken, and provide estimated costs for excavating, transporting, and disposing of materials exceeding Illinois Environmental Protection Agency (IEPA) Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Soil Remediation Objectives for Residential Properties (35 Ill. Admin. Code 742), and/or the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Ill. Admin. Code 1100.605.*

3.5.2 COMPARISON TO TACO TIER 1 SOIL REMEDIATION OBJECTIVES

Soil analytical results were compared to the Tiered Approached to Corrective Action Objectives (TACO) Tier 1 Soil Remediation Objectives (SROs) for Residential Properties for the Ingestion, Inhalation, and the Soil Component of the Groundwater (SCGW) (Class I) Ingestion exposure routes listed in *35 IAC Part 742, Appendix B, Table A [Illinois Pollution Control Board (IPCB), 2013]*.

As part of this evaluation, Ionizable Organics [*Appendix B, Table A, footnote (i)*] and Inorganics [*Appendix B, Table A, footnote (m)*] with pH-dependent solubility were compared to pH-specific SROs for the SCGW (Class I) Ingestion exposure route, presented in *35 IAC Part 742, Appendix B, Tables C and D (IPCB, 2013)*.

The evaluation of the five (5) PNAs (Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-c,d)pyrene), per *Appendix B, Table A, footnote w*, may be compared to the concentrations of Polynuclear Aromatic Hydrocarbon Chemicals in Background Soils (in any populated area), presented in *35 IAC Part 742, Appendix A, Table H*.

As an alternative in the evaluation of Inorganics [*Appendix B, Table A, footnote (m)*], soil sample extraction results from either the TCLP or SPLP analyses may be compared to the SCGW (Class I) Ingestion exposure routes listed in *35 IAC Part 742, Appendix B, Table A (IPCB, 2013)*.

Soil analytical results compared to TACO Tier 1 Soil Remediation Objectives (SROs) for Residential Properties for the Ingestion, Inhalation, and the Soil Component of the Groundwater (SCGW) (Class I) Ingestion exposure routes are shown in **Table 1, Soil Analytical Results Compared to TACO Tier 1 Residential SROs**, which are provided as **Appendix A, Analytical Tables**.

Following a comparison review of the data, two (2) of the seven (7) samples only exceeded the TACO Tier 1 Residential Ingestion exposure route SROs. There were no exceedances for the TACO Tier 1 SCGW Ingestion exposure route SROs.

Table 4-1, TACO Tier 1 Residential SRO and CCDD MAC Exceedances, presented below, summarizes the sample locations and soil results that exceeded the TACO Tier 1 Residential exposure route SROs, Soil Component of the Groundwater (Class II) SROs, and CCDD MAC Values.

TABLE 3-1
TACO TIER 1 RESIDENTIAL SROS AND CCDD MAC EXCEEDANCES

Sample ID	Exceeding Constituent	Result	Residential SROs		SCGW SROs	CCDD MAC Values	Elevation Range of Impacted Soil*
			Ingestion	Inhalation	Class II	MSA/Chicago/ Non-MSA (Non-Pop)	
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ft. bsg)
SB-1							
SB-1-1	Chromium	26	230	270	**28**	**21/21/21**	705.34 to 695.34*
	Iron	26000	NC	NC	**15900**	**15,900/15,900/15,900**	
SB-2							
SB-2-1	Arsenic	16	**13**	750	**120**	**13/13/11.3**	696.25 to 686.25*
	Chromium	27	230	270	**32**	**21/21/21**	
	Iron	36000	NC	NC	**15900**	**15,900/15,900/15,900**	
	Manganese	700	1,600	91,000	**636**	**636/636/630**	
SB-4							
SB-4-1	Chromium	27	230	270	**28**	**21/21/21**	697.39 to 687.39*
	Iron	33000	NC	NC	**15900**	**15,900/15,900/15,900**	
	Manganese	670	1,600	91,000	**636**	**636/636/630**	
SB-5							
SB-5-1	Chromium	26	230	270	**28**	**21/21/21**	689.28 to 679.28*
	Iron	29,000	NC	NC	**15,900**	**15,900/15,900/15,900**	
SB-6							
SB-6-1	Chromium	27	230	270	**28**	**21/21/21**	690.89 to 680.89*
	Iron	29,000	NC	NC	**15,900**	**15,900/15,900/15,900**	
SB-7							
SB-7-1	Iron	23,000	NC	NC	**15,900**	**15,900/15,900/15,900**	664.89 to 654.89*
	Manganese	1,000	1,600	91,000	**636**	**636/636/630**	
SB-8							
SB-8-1	Arsenic	22	**13**	750	**130**	**13/13/11.3**	662.00 to 652.00*
	Iron	33,000	NC	NC	**15,900**	**15,900/15,900/15,900**	

Bold Regulatory Value Exceeded
[a] pH specific SROs, 35 IAC 742, Appendix B, Table C
[b] Location specific background value
NC No toxicity criteria set for this exposure route
* Impacted soil suspected to extend below the limits of the boring; Contractor should field verify if excavation extends below that depth

3.5.3 COMPARISON TO CCDD MAXIMUM ALLOWABLE CONCENTRATION VALUES

GSG compared the soil analytical results to the most stringent CCDD Maximum Allowable Concentration (MAC) values listed in *35 IAC Part 1100.605, Subpart F [IPCB, 2012]*.

As an alternative to the MAC value for Inorganics [*footnote (m) MAC Table*], soil sample extraction results from either the TCLP or SPLP analyses may be compared to the SCGW (Class I) Ingestion exposure routes listed in *35 IAC Part 742, Appendix B, Table A [IPCB, 2013]*.

Soil samples with detections of Inorganics shall be determined to meet the CCDD requirements if any of the following analyses meet the screening criteria:

1. Total concentration is below the MAC value;
2. TCLP result is below the TACO Tier 1 SCGW (Class I) SRO; or
3. SPLP result is below the TACO Tier 1 SCGW (Class I) SRO.

Soil analytical results compared to most stringent CCDD Maximum Allowable Concentration (MAC) values listed in *35 IAC Part 1100.605, Subpart F*, are shown in **Table 2, Soil Analytical Results Compared to CCDD MAC Values**, which are provided as **Appendix A, Analytical Tables**.

Following a comparison review of the data, seven (7) samples exceeded the CCDD Most Stringent MAC Values, the Non-MSA MAC Values, the Chicago MAC Values, and the MSA MAC Values. None of the samples were outside of the CCDD-acceptable pH range.

Table 4-1, TACO Tier 1 Residential SRO and CCDD MAC Exceedances, presented earlier in this section, lists COCs with concentrations exceeding the corresponding CCDD MAC screening criteria.

3.5.4 COMPARISON TO TACO TIER 1 CONSTRUCTION WORKER SOIL REMEDIATION OBJECTIVES

GSG compared soil analytical data to the TACO Tier 1 Construction Worker (CW) SROs for the Soil Ingestion and Soil Inhalation exposure routes, listed in *35 IAC Part 742, Appendix B, Table B (IPCB, 2013)*, to determine locations within the Project Area that pose a potential health risk to workers involved in construction activities. Soil analytical results as compared to Construction Worker SROs are shown in **Table 3, Soil Analytical Results Compared to Construction Worker SROs** included at the back of this report.

Following a comparison review of the data, there were no exceedances for the TACO Tier 1 Construction Worker SROs. Construction Worker Precautions will not need to be implemented at the impacted boring locations.

3.6 SOIL MANAGEMENT EVALUATION

GSG evaluated the soil management options within the Project Area based on soil analytical results. Soil management options include the following: reuse on-site; off-site disposal; and the implementation of construction worker safety precautions when exposed to impacted soil.

3.6.1 SOIL MANAGEMENT CLASSIFICATIONS

3.6.1.1 IDOT Soil Management Requirements

During the evaluation, GSG followed *IDOT Standard Specification, Article 669, for Removal and Disposal of Regulated Substances, Dated (January 1, 2020),* specifically outlining the management and disposal of contaminated soil in *Section 669.05*. The soil management classifications are outlined below:

(a) Soil Analytical Results Exceed Most Stringent MAC. When the soil analytical results indicate detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in soil established pursuant to Subpart F of 35 Ill. Adm. Code 1100.605, the soil shall be managed as follows:

(1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC, but still considered within area background levels by the Engineer, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable. If the soils cannot be utilized within the right-of-way, they shall be managed and disposed of at a landfill as a non-special waste.

(2) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County identified in 35 Ill. Admin. Code 742 Appendix A. Table G, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of at a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation (USFO) within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site at a CCDD facility or an USFO within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site at a CCDD facility or an USFO within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.

(5) When the Engineer determines soil cannot be managed according to Articles 669.05(a)(1) through (a)(4) above and the materials do not contain special waste or hazardous waste, as determined by the Engineer, the soil shall be managed and disposed of at a landfill as a non-special waste.

(6) When analytical results indicate soil is hazardous by characteristic or listing pursuant to 35 Ill. Admin. Code 721, contains radiological constituents, or the Engineer otherwise determines the soil cannot be managed according to Articles 669.05(a)(1) through (a)(5) above, the soil shall be managed and disposed of off-site as a special waste or hazardous waste as applicable.

(b) Soil Analytical Results Do Not Exceed Most Stringent MAC. When the soil analytical results indicate that detected levels do not exceed the most stringent MAC, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site according to Article 202.03. However, the excavated soil cannot be taken to a CCDD facility or an USFO for any of the following reasons.

(1) The pH of the soil is less than 6.25 or greater than 9.0.

(2) The soil exhibited PID or FID readings in excess of background levels.

(c) Soil Analytical Results Exceed Most Stringent MAC but Do Not Exceed Tiered Approach to Corrective Action Objectives (TACO) Residential. When the soil analytical results indicate that detected levels exceed the most stringent MAC but do not exceed TACO Tier 1 Soil Remediation Objectives for Residential Properties pursuant to 35 Ill. Admin. Code 742 Appendix B Table A, the excavated soil can be utilized within the right-of-way as embankment or fill, when suitable, or managed and disposed of off-site according to Article 202.03. However, the excavated soil cannot be taken to a CCDD facility or an USFO.

3.6.1.2 Unrestricted Soil

Soil that does not exceed the Most Stringent MAC is considered "Unrestricted" and may be managed on-site or disposed of at a CCDD facility or an USFO. However, this material cannot be taken to a CCDD facility or an USFO if the pH of the soil is less than 6.25 or greater than 9.0 and/or the soil exhibited PID or FID readings in excess of background levels.

3.6.2 CONSTRUCTION WORKER SAFETY

GSG determined there were no locations exceeding the TACO Tier 1 Construction Worker SROs. Construction Worker Precautions will not need to be implemented during construction activities.

3.6.3 SOIL MANAGEMENT SUMMARY

3.6.3.1 Soil Impacts

The types of impacts and the disposal options for soils by PESA site or Project Area are listed in **Table 3-2, *Summary of Soil Impacts***, which is presented below. Note that the soil disposal classifications and IDOT classification as per the January 1, 2019 Standard Specifications Section 669, Removal and Disposal of Regulated Substances, for each soil interval is also provided in the table.

3.6.3.2 Soil Management

Exhibit 3, Soil Management Plan, displays the locations and depths of the soil management classifications.

Note that at boring locations with two different soil classifications, the most stringent soil classification was chosen to simplify the soil disposal process for the Construction Manager because of the difficulty with separation, stockpiling, and disposal of two different types of soil at a particular location. GSG has utilized the following soil management classifications and symbols to identify soil management within the Project Area:

Article 669.05 (a)(1): Dispose of at a Subtitle D Landfill. Reuse on site if suitable.


Article 669.05 (a)(2): Dispose of at a CCDD Facility. Reuse on site if suitable.


Article 669.05 (a)(3): Dispose of at a CCDD Facility. Reuse on site if suitable.


Article 669.05 (a)(4): Dispose of at a Subtitle D Landfill or CCDD Facility outside the City of Chicago. Reuse on site if suitable.


Article 669.05 (a)(5): Dispose of at a Subtitle D Landfill.


Article 669.05 (b)(1): Dispose of at a CCDD Facility. Reuse on site if suitable.


Article 669.05 (b)(2). Dispose of at a Subtitle D Landfill.


Article 669.05 (c). Dispose of at a Subtitle D Landfill. Reuse on site if suitable.

Construction Worker Precaution Area

TABLE 3-2
SUMMARY OF SOIL IMPACTS

Boring ID	Sample	PID Readings Above Background (ppm)	pH	Contaminants of Concern		Off-Site Management		
				Above All Applicable Comparison Criteria	Above Most Stringent MAC, Chicago MAC, or SCGW Criteria Only	Eligible for CCDD or USFO	Soil Disposal Classification	IDOT Classification (from Special Provision)
SB-1	SB-1-1	None detected	7.81	None	Chromium, Iron	No	Non-special Waste	669.05(a)(1)
SB-2	SB-2-1	None detected	7.43	Arsenic	Chromium, Iron, Manganese	No	Non-special Waste	669.05(a)(5)
SB-4	SB-4-1	None detected	7.82	None	Chromium, Iron, Manganese	No	Non-special Waste	669.05(a)(1)
SB-5	SB-5-1	None detected	7.97	None	Chromium, Iron	No	Non-special Waste	669.05(a)(1)
SB-6	SB-6-1	None detected	8.02	None	Chromium, Iron	No	Non-special Waste	669.05(a)(1)
SB-7	SB-7-1	None detected	7.98	None	Iron, Manganese	No	Non-special Waste	669.05(a)(1)
SB-8	SB-8-1	None detected	8.68	Arsenic	Iron	No	Non-special Waste	669.05(a)(5)

3.7 PAY ITEMS

The Design Section Engineer (DSE) for this design contract may utilize the following Pay Items as listed in the *IDOT Standard Specifications for Road and Bridge Construction (IDOT, 2016; IDOT, rev. 2020)* for soil management:

- **66901001 – Regulated Substances Pre-Construction Plan (Lump Sum)**
- **66901002 – On-Site Monitoring of Regulated Substances (Calendar Day)**
- **66901003 – Regulated Substances Final Construction Report (Lump Sum)**
- **X0100019 – Special Waste Plans and Reports (Special) (Lump Sum)**
- **66900200 – Non-Special Waste Disposal (Cubic Yard)**
- **66900530 – Soil Disposal Analysis (Each)**
- **20201200 – Removal and Disposal of Unsuitable Material (Cubic Yard)**

Special waste and hazardous waste soil were not encountered during the site investigation; however, GSG recommends including the following additional Pay Items in the contract for the management and disposal in the event that evidence of special waste or hazardous waste is encountered during construction activities:

- **66900665 – TCL Soil Analysis (Each)**
- **66900205 – Special Waste Disposal (Cubic Yard)**
- **66900210 – Hazardous Waste Disposal (Cubic Yard)**
- **66900535 – Priority Pollutants Groundwater Analysis and MWRDGC Discharge Ordinance parameters (Each)**
- **66900425 – Hazardous Waste Groundwater Disposal (Gallon)**

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

GSG collected soil samples from seven (7) locations from the areas of proposed excavation within the Project Area. The Project Area covers areas the intersections of Milbrook Drive, Modaff Road, Olympus Drive, and Greene Road along 75th Street in DuPage County, Illinois.

Samples were analyzed for chemical constituents and analytical results were compared to applicable TACO Tier 1 Residential SROs, the most stringent CCDD MAC Values and TACO Tier 1 Construction Worker SROs. An evaluation of sample results to screening criteria revealed that soils with concentrations above the SROs or CCDD MAC Values exist and must be managed accordingly. Based on this evaluation, GSG provided recommendations for soil management, based on *IDOT Standard Specifications (IDOT, rev. 2020)*.

4.2 RECOMMENDATIONS

Special Provisions for Removal and Disposal of Regulated Substances (IDOT, 2020) specifies conditions for the removal and disposal of regulated materials. GSG recommends the reuse of on-site materials that meet applicable regulations to the largest extent practicable.

Following a review of the data, soils at five (5) locations, SB-1, SB-4, SB-5, SB-6, and SB-7, exceeded the most stringent CCDD MAC values, but did not exceed the TACO Tier 1 Residential SROs. These soils shall be managed under Article 669.05(a)(1). are classified as **Type 1A**. If suitable, these materials may be reused within the Project Area, however any excess or unsuitable material must be disposed of at a Subtitle D facility as non-special waste.

Following a review of the data, soils at two (2) locations, SB-2 and SB-8, exceeded the TACO Tier 1 Residential SROs. These soils shall be managed under Article 669.05(a)(5). This material may not be reused on site and must be disposed of at a Subtitle D facility as non-special waste. Additionally, soils generated from the west side of Modaff Street should be classified as 669.05(a)(5) and disposed of at a subtitle D landfill.

No constituents that were detected in the seven (7) soil samples exceeded the TACO Tier 1 Construction Worker SROs. Therefore, Construction Worker Precautions will not be warranted.

As per Article 669.05 (d) of the IDOT Special Provision (IDOT, 2020), if groundwater is encountered within trenches during construction activities, it may be managed on site and allowed to infiltrate back into the ground. If managed off site, the groundwater must be collected, containerized, and transported to an off-site facility as Special Waste. Off-site disposal of groundwater requires treatment and testing, prior to any

discharge. Off-site disposal of groundwater would require proper waste characterization and acceptance at an approved Special Waste disposal facility.

4.2.1 FURTHER INVESTIGATION

GSG does not recommend further investigation of the Project Area since soil has been fully characterized. However, if evidence of soil contamination such as visual and/or olfactory are discovered during the construction phase, or if work is performed outside the bounds of the Project Area, soil should be tested and evaluated in accordance with IDOT protocol.

4.2.2 PREVENTION OF CONTAMINANT MIGRATION

GSG recommends implementing soil containment and stormwater runoff control measures during construction to prevent the potential of contaminants migration from any impacted soils that are stockpiled within the Project Area. If soil must be stockpiled, GSG recommends that the Contractor containerize or place any non-special waste, special waste, non-hazardous waste, or hazardous waste soils, if encountered, on plastic sheeting, covered with plastic sheeting, and protect with 12-inch to 18-inch berms until subsequent loading, transportation, and disposal. The Contractor shall not allow runoff from stockpiled soil or material to enter storm drains or leave the site.

4.2.3 CONSTRUCTION WORKER EXPOSURE MONITORING

GSG did not determine the location of any impacted soil exceeding the TACO Tier 1 Construction Worker SROs, as presented in ***Table 3-1, TACO Tier 1 Residential and Construction Worker SROs and CCDD MAC Exceedances,*** and **Exhibit 3, Soil Management Plan**. Construction Worker Precautions will not need to be implemented in these locations during construction activities.

4.2.4 CONDITIONS AND RESTRICTIONS

Discussions in this report regarding soil management, including suitability for reuse and disposal, are based on environmental considerations only. Bowman Consulting, the design engineer, and/or contractor, should refer to the project geotechnical reports for geotechnical considerations regarding soil suitability for reuse within the Project Area.

This report is intended for use by Bowman Consulting and its representatives for the sole purpose of evaluating the conditions and proposed soil management at the Project Area in anticipation of future construction activities. GSG is not responsible for the use of this report, its findings, conclusions, and recommendations, by those parties outside Bowman jurisdiction or beyond its intended purpose.

Any soils that exhibit hazardous waste characteristics upon completion of waste characterization testing would require disposal at a Subtitle C landfill. GSG does not anticipate any soils would be classified as hazardous waste based on the available analytical data.

5.0 REFERENCES

Berg, Richard C., Kempton, John P., and Cartwright, Keros, 1984, *Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes*, Illinois State Geological Survey (ISGS), Champaign-Urbana, Illinois.

Elston, Jack A., IDOT, Memorandum to Regional Engineers, "Special Provision for Removal and Disposal of Regulated Substances", September 27, 2019.

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IDOT, January 2020, FINAL, *Supplemental Specifications and Recurring Special Provisions*, Revised, prepared by IDOT, Springfield, Illinois.

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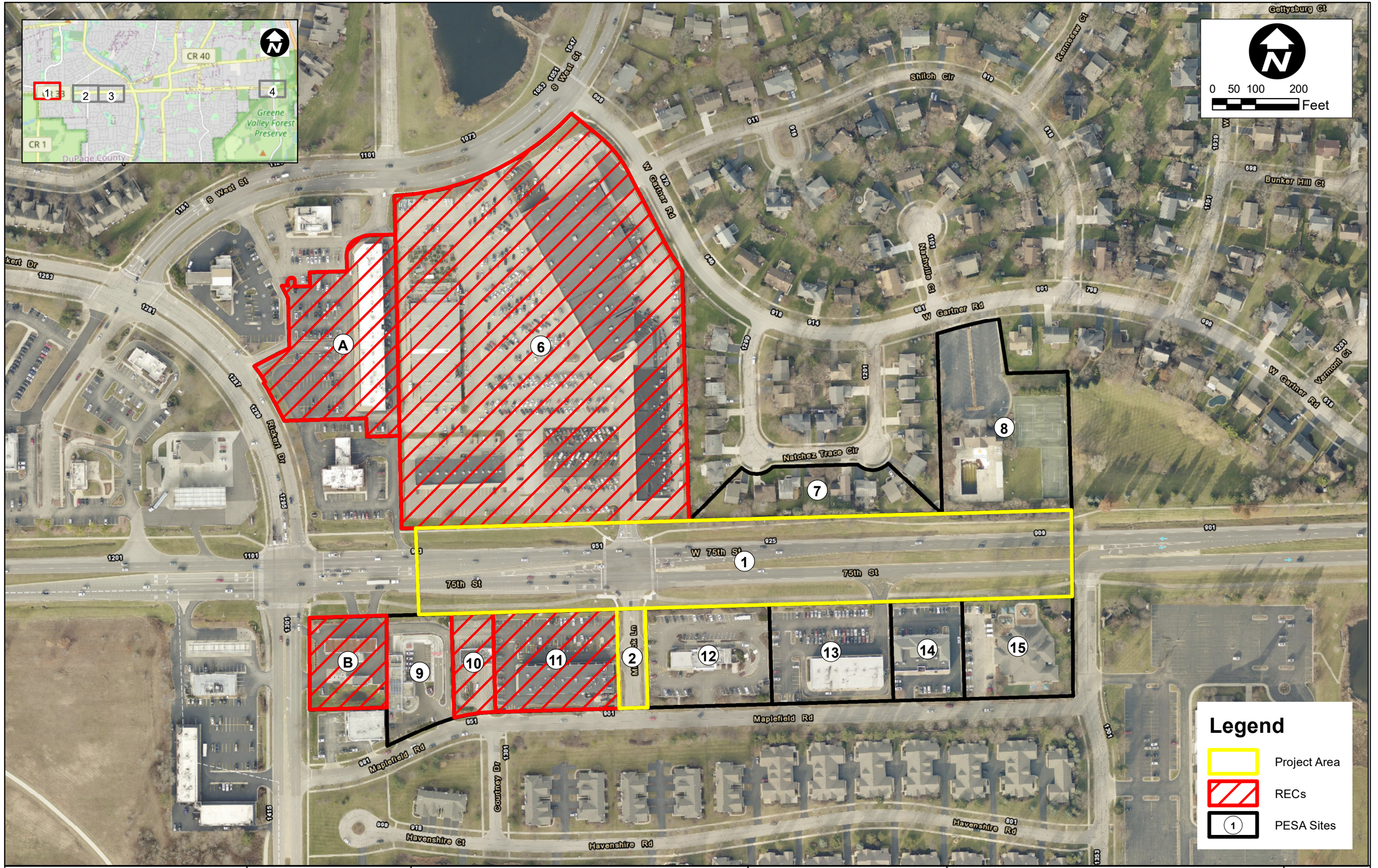
Illinois Pollution Control Board (IPCB), July 15, 2013, FINAL, *35 Illinois Administrative Code, Part 742, Tiered Approach to Corrective Action Objectives*, Amended.

IPCB, August 27, 2012, FINAL, *35 Illinois Administrative Code, Part 1100, Clean Construction or Demolition Debris Fill Operations and Uncontaminated Soil Fill Operations*, Amended.

United States Environmental Protection Agency. (US EPA), August 13, 2015, FINAL *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, U S EPA publication SW–846, Update V, Federal Register Vol. 80, No. 156, pp. 48522 - 48528.

Willman, H.B., 1971, *Summary of the Geology of the Chicago Area*, Illinois State Geological Survey (ISGS), Urbana, Illinois.

EXHIBITS



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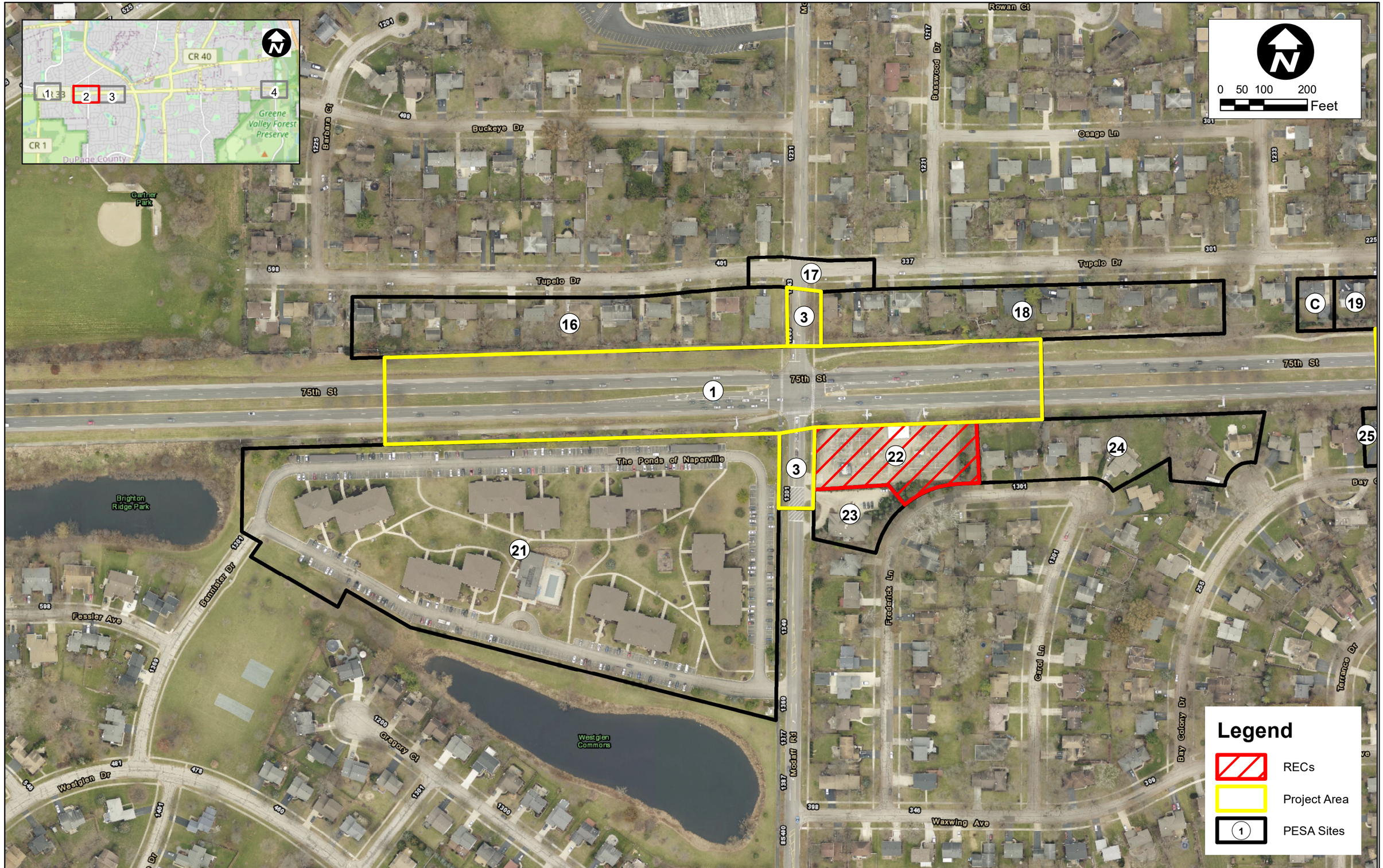
75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 1
REC MAP

SHT NO. 1

DRAWING NO. 1 OF 4



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75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 1
REC MAP

SHT NO. 2

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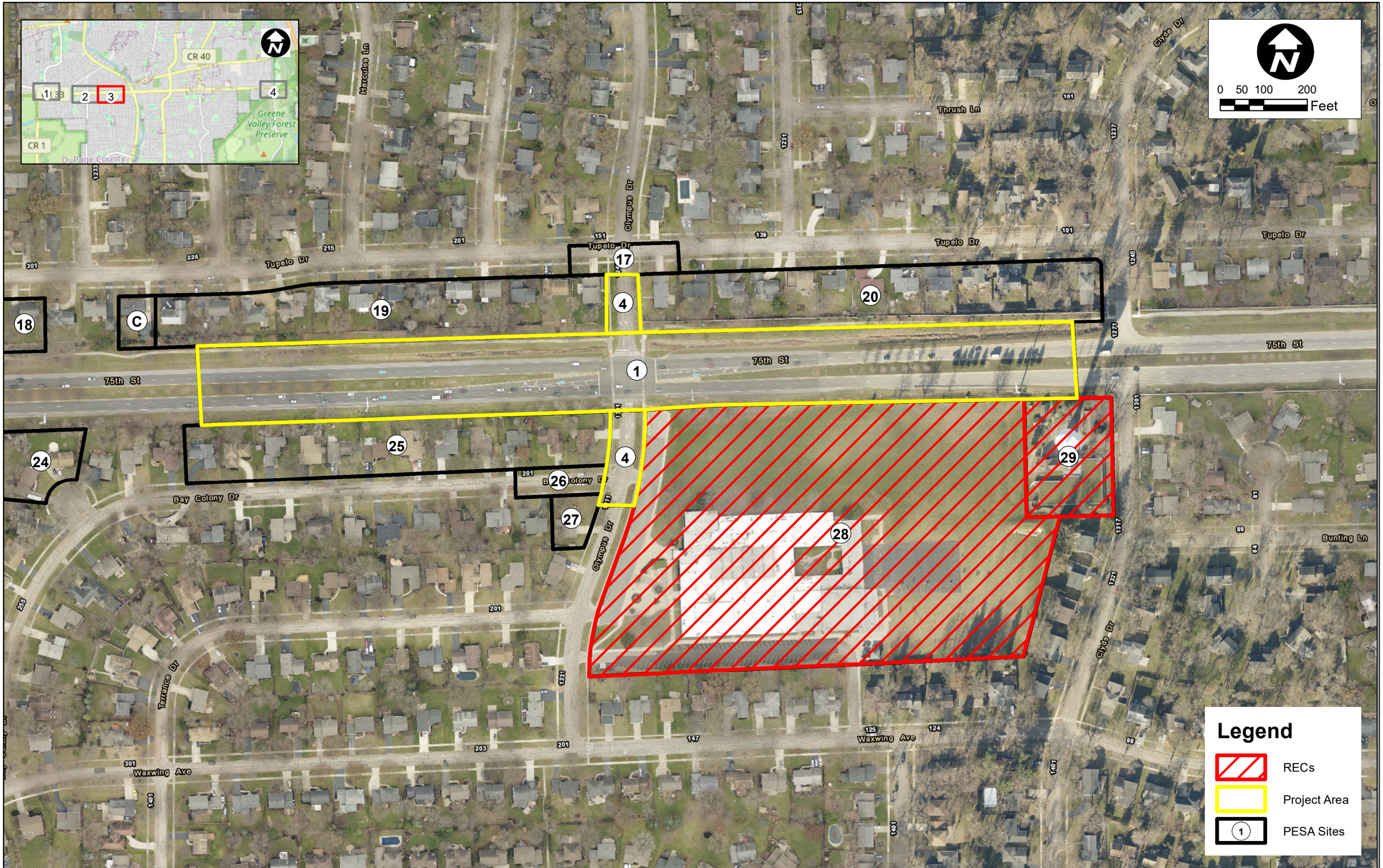

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75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 1
REC MAP

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75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 2
BORING LOCATION MAP

SHT NO. 1

DRAWING NO. 1 OF 4

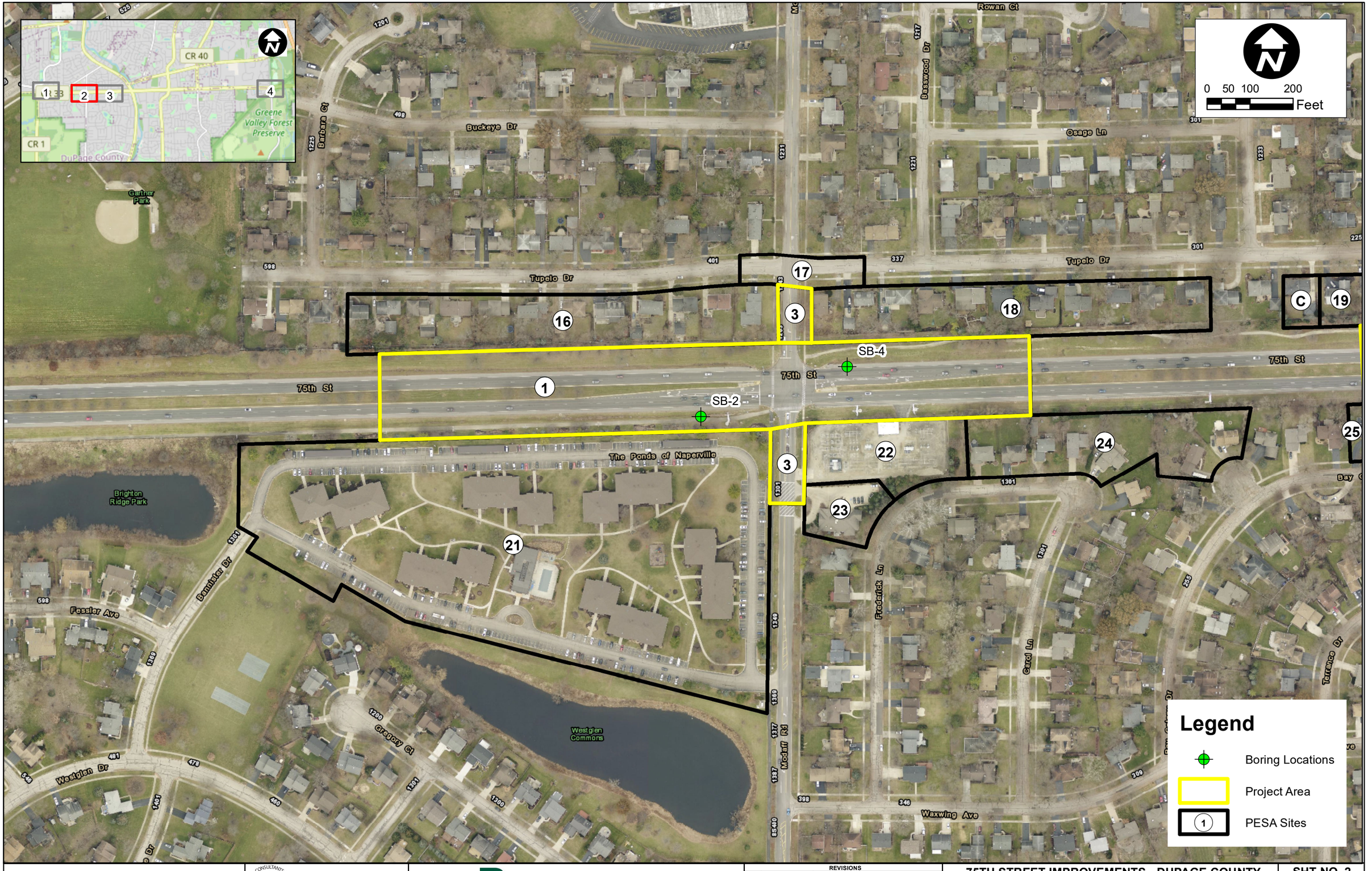

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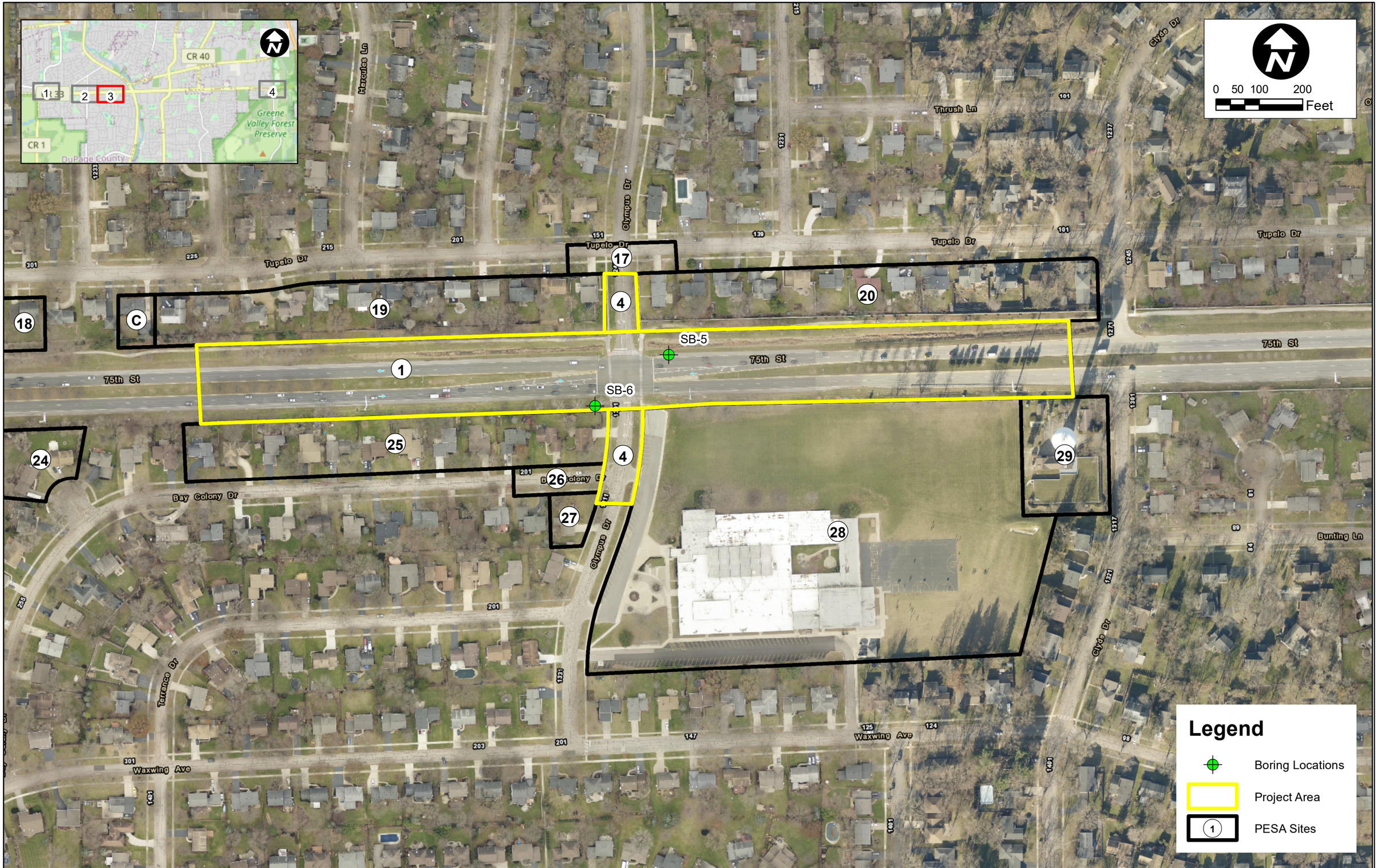
EXHIBIT 2
BORING LOCATION MAP

SHT NO. 2

DRAWING NO. 2 OF 4



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75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 2
BORING LOCATION MAP

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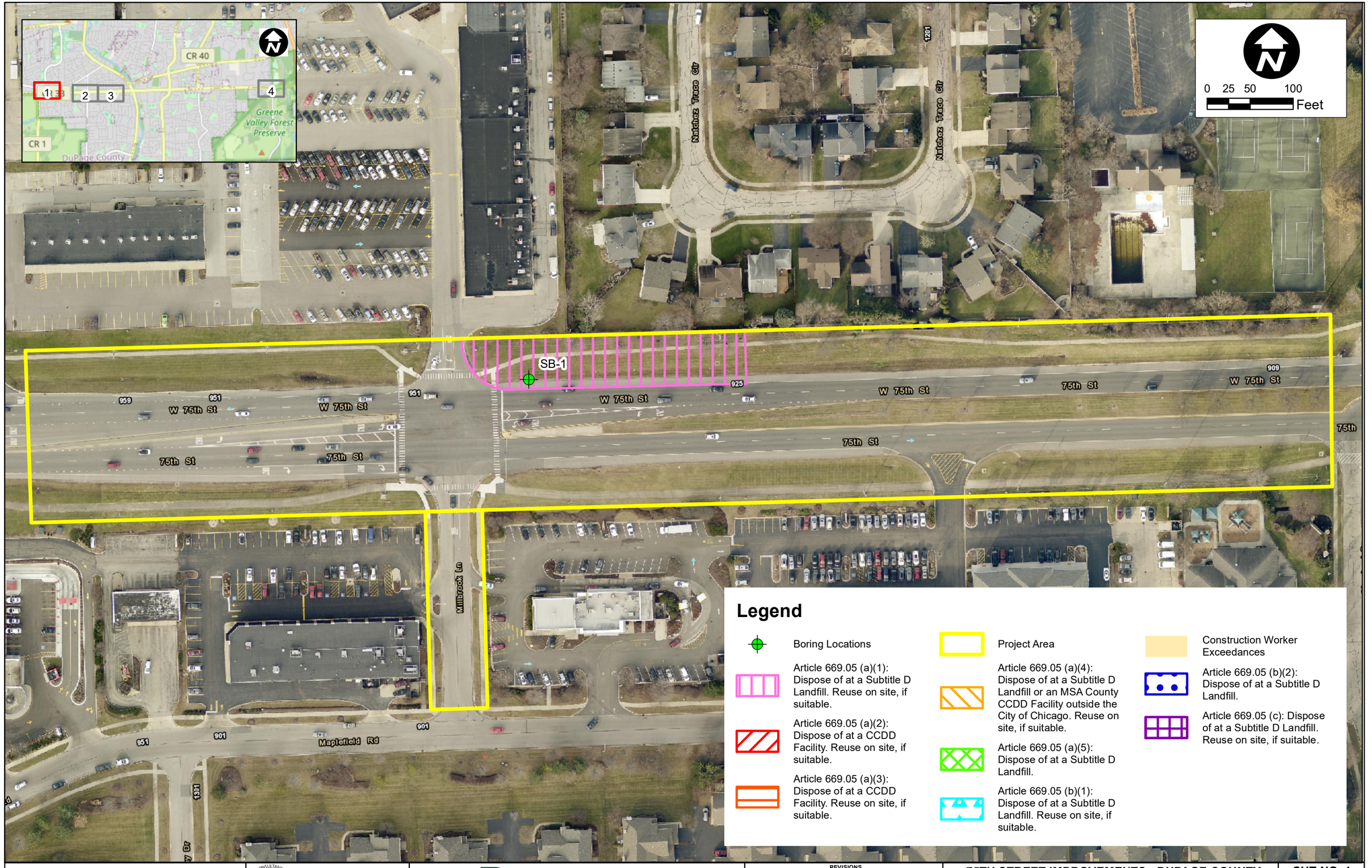
75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 2
BORING LOCATION MAP

SHT NO. 4

DRAWING NO. 4 OF 4



Legend

- Boring Locations
- Project Area
- Construction Worker Exceedances
- Article 669.05 (a)(1): Dispose of at a Subtitle D Landfill. Reuse on site, if suitable.
- Article 669.05 (a)(2): Dispose of at a CCDD Facility. Reuse on site, if suitable.
- Article 669.05 (a)(3): Dispose of at a CCDD Facility. Reuse on site, if suitable.
- Article 669.05 (a)(4): Dispose of at a Subtitle D Landfill or an MSA County CCDD Facility outside the City of Chicago. Reuse on site, if suitable.
- Article 669.05 (a)(5): Dispose of at a Subtitle D Landfill.
- Article 669.05 (b)(1): Dispose of at a Subtitle D Landfill. Reuse on site, if suitable.
- Article 669.05 (b)(2): Dispose of at a Subtitle D Landfill.
- Article 669.05 (c): Dispose of at a Subtitle D Landfill. Reuse on site, if suitable.

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75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 3
SOIL MANAGEMENT PLAN

SHT NO. 1

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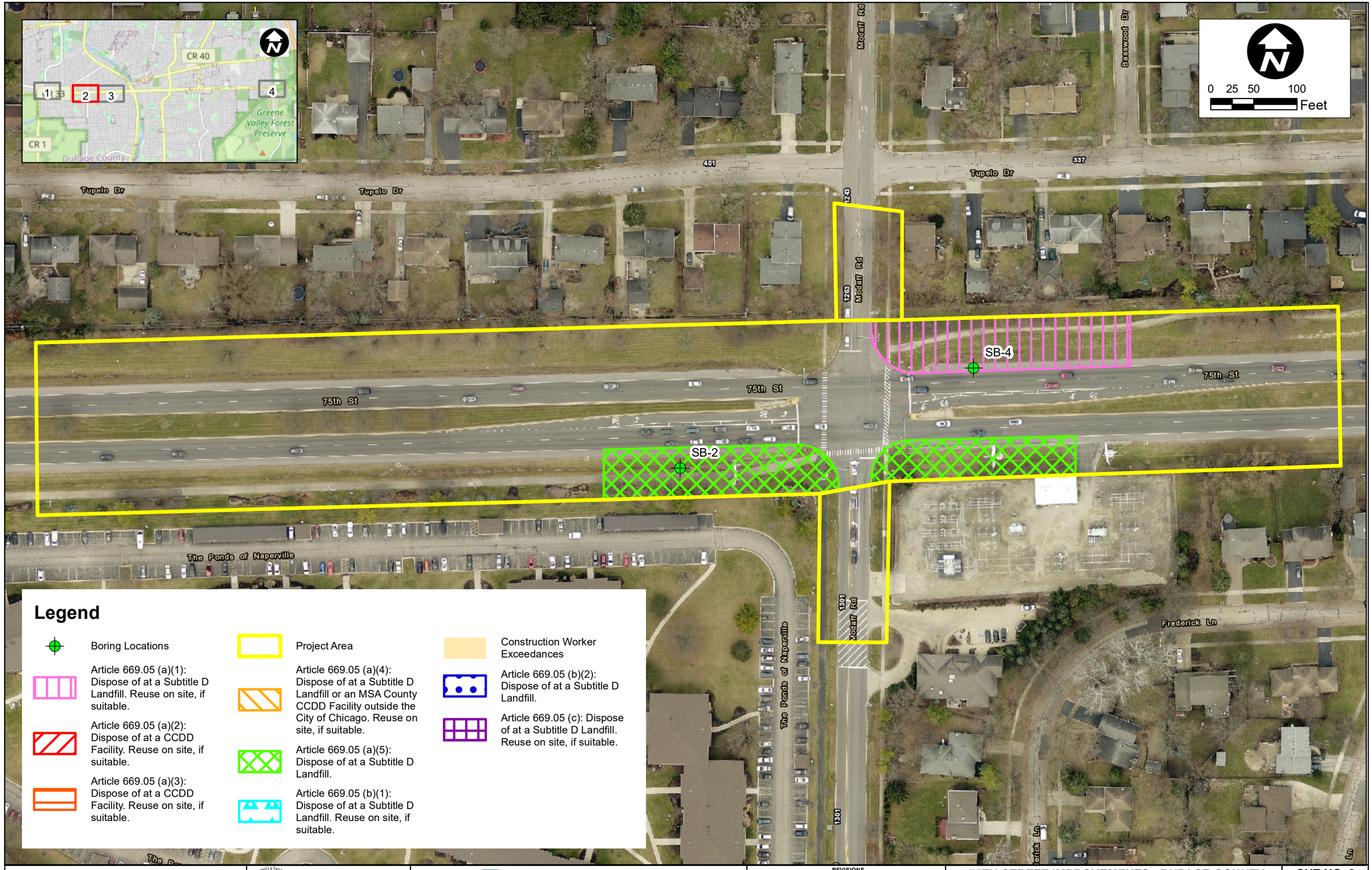

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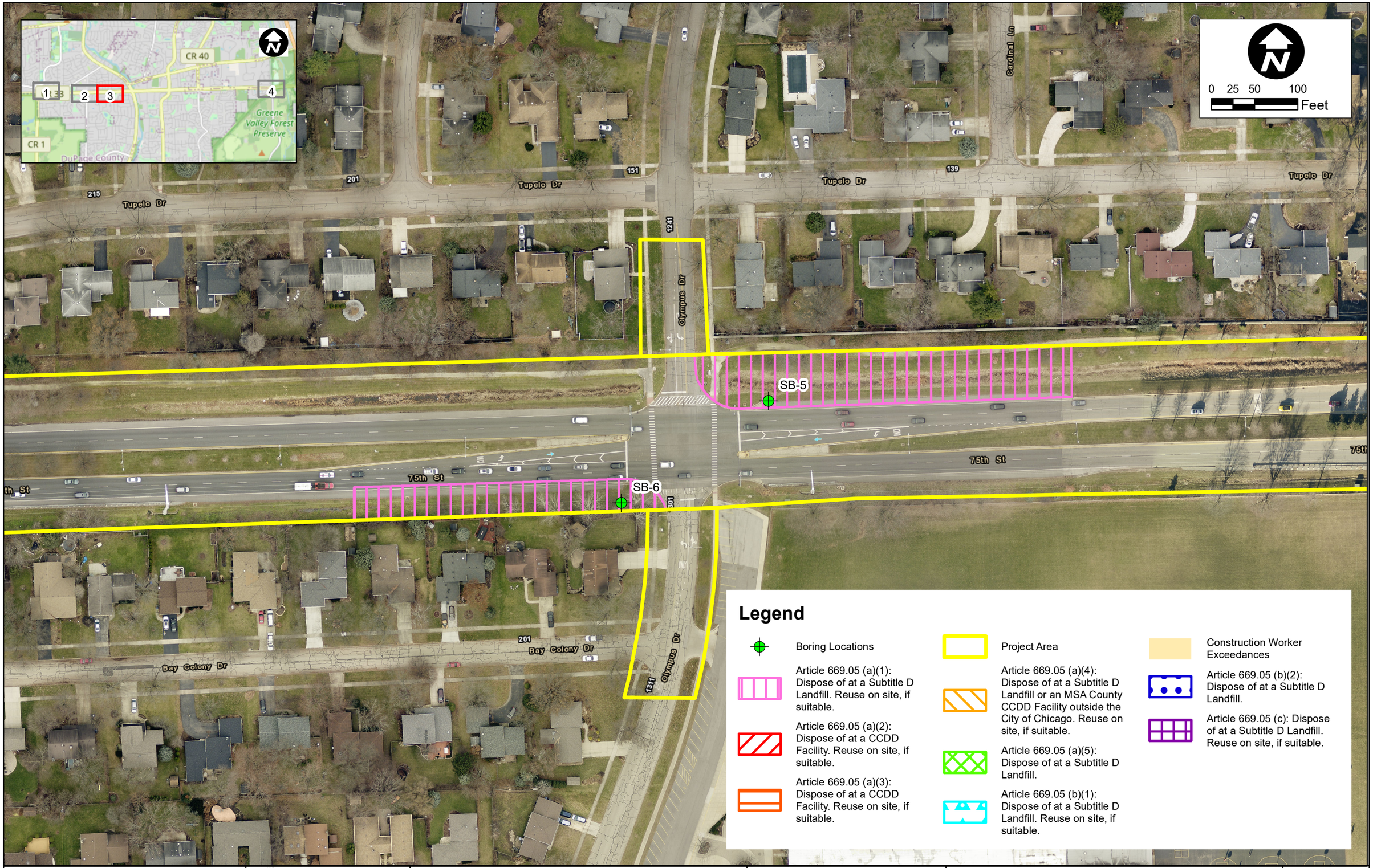
75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 3
SOIL MANAGEMENT PLAN

SHT NO. 2

DRAWING NO. 2 OF 4



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75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 3
SOIL MANAGEMENT PLAN

SHT NO. 3

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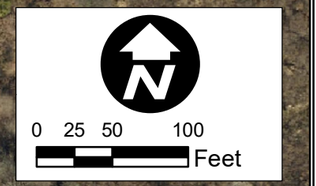

Hampton Cir

23W200

SB-8

22W662

22W682

22W696

23W400

75th St

SB-7

Greene Rd

Woodridge

3000

Madstone Dr

Legend

- Boring Locations
- Project Area
- Construction Worker Exceedances
- Article 669.05 (a)(1): Dispose of at a Subtitle D Landfill. Reuse on site, if suitable.
- Article 669.05 (a)(4): Dispose of at a Subtitle D Landfill or an MSA County CCDD Facility outside the City of Chicago. Reuse on site, if suitable.
- Article 669.05 (b)(2): Dispose of at a Subtitle D Landfill.
- Article 669.05 (a)(2): Dispose of at a CCDD Facility. Reuse on site, if suitable.
- Article 669.05 (a)(5): Dispose of at a Subtitle D Landfill.
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75TH STREET IMPROVEMENTS - DUPAGE COUNTY

EXHIBIT 2
BORING LOCATION MAP

SHT NO. 4

DRAWING NO. 4 OF 4

TABLES

TABLE 1

Soil Analytical Results Compared to TACO Tier 1 Residential SROs

TABLE 1a
Soil Analytical Results
VOCs Compared to TACO Tier I Residential Ingestion, Inhalation, and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-1	SB-2	SB-4	SB-5
				Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	*Class II*	Depth (ft)	3-5	3-5	3-5	3-5
VOCs								
Acetone	70,000	100,000	25		< 0.076	< 0.097	< 0.072	< 0.078
Benzene	12	0.8	0.17		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromodichloromethane	10	3,000	0.6		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromoform	81	53	0.8		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromomethane	110	10	1.2		< 0.010	< 0.013	< 0.0096	< 0.010
2-Butanone	NC	NC	NC		< 0.076	< 0.097	< 0.072	< 0.078
Carbon disulfide	7,800	720	160		< 0.050	< 0.065	< 0.048	< 0.052
Carbon tetrachloride	44	0.64	0.33		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chlorobenzene	1,600	130	6.5		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chloroethane	NC	NC	NC		< 0.010	< 0.013	< 0.0096	< 0.010
Chloroform	100	0.3	2.9		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chloromethane	NC	NC	NC		< 0.010	< 0.013	< 0.0096	< 0.010
Dibromochloromethane	1,600	1,300	0.4		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1-Dichloroethane	7,800	1,300	110		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,2-Dichloroethane	7	0.4	0.1		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1-Dichloroethene	3,900	290	0.3		< 0.0050	< 0.0065	< 0.0048	< 0.0052
cis-1,2-Dichloroethene	780	1,200	1.1		< 0.0050	< 0.0065	< 0.0048	< 0.0052
trans-1,2-Dichloroethene	1,600	3,100	3.4		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,2-Dichloropropane	9	15	0.15		< 0.0050	< 0.0065	< 0.0048	< 0.0052
cis-1,3-Dichloropropene	6.4	1.1	0.02		< 0.0020	< 0.0026	< 0.0019	< 0.0021
trans-1,3-Dichloropropene	6.4	1.1	0.02		< 0.0020	< 0.0026	< 0.0019	< 0.0021
Ethylbenzene	7,800	400	19		< 0.0050	< 0.0065	< 0.0048	< 0.0052
2-Hexanone	NC	NC	NC		< 0.020	< 0.026	< 0.019	< 0.021
4-Methyl-2-pentanone	NC	NC	NC		< 0.020	< 0.026	< 0.019	< 0.021
Methylene chloride	85	13	0.2		< 0.010	< 0.013	< 0.0096	< 0.010
Methyl tert-butyl ether	780	8,800	0.32		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Styrene	16,000	1,500	18		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,2,2-Tetrachloroethane	NC	NC	NC		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Tetrachloroethene	12	11	0.3		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Toluene	16,000	650	29		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,1-Trichloroethane	NC	1,200	9.6		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,2-Trichloroethane	310	1,800	0.3		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Trichloroethene	58	5	0.3		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Vinyl chloride	0.46	0.28	0.07		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Xylenes, Total	16,000	320	150		< 0.015	< 0.019	< 0.014	< 0.016

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. SCGW = Soil Component of the Groundwater
5. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1a
Soil Analytical Results
VOCs Compared to TACO Tier I Residential Ingestion, Inhalation, and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-6	SB-7	SB-8
				Date	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	*Class II*	Depth (ft)	3-5	3-5	3-5
VOCs							
Acetone	70,000	100,000	25		< 0.071	< 0.082	< 0.077
Benzene	12	0.8	0.17		< 0.0047	< 0.0054	< 0.0051
Bromodichloromethane	10	3,000	0.6		< 0.0047	< 0.0054	< 0.0051
Bromoform	81	53	0.8		< 0.0047	< 0.0054	< 0.0051
Bromomethane	110	10	1.2		< 0.0095	< 0.011	< 0.010
2-Butanone	NC	NC	NC		< 0.071	< 0.082	< 0.077
Carbon disulfide	7,800	720	160		< 0.047	< 0.054	< 0.051
Carbon tetrachloride	44	0.64	0.33		< 0.0047	< 0.0054	< 0.0051
Chlorobenzene	1,600	130	6.5		< 0.0047	< 0.0054	< 0.0051
Chloroethane	NC	NC	NC		< 0.0095	< 0.011	< 0.010
Chloroform	100	0.3	2.9		< 0.0047	< 0.0054	< 0.0051
Chloromethane	NC	NC	NC		< 0.0095	< 0.011	< 0.010
Dibromochloromethane	1,600	1,300	0.4		< 0.0047	< 0.0054	< 0.0051
1,1-Dichloroethane	7,800	1,300	110		< 0.0047	< 0.0054	< 0.0051
1,2-Dichloroethane	7	0.4	0.1		< 0.0047	< 0.0054	< 0.0051
1,1-Dichloroethene	3,900	290	0.3		< 0.0047	< 0.0054	< 0.0051
cis-1,2-Dichloroethene	780	1,200	1.1		< 0.0047	< 0.0054	< 0.0051
trans-1,2-Dichloroethene	1,600	3,100	3.4		< 0.0047	< 0.0054	< 0.0051
1,2-Dichloropropane	9	15	0.15		< 0.0047	< 0.0054	< 0.0051
cis-1,3-Dichloropropene	6.4	1.1	0.02		< 0.0019	< 0.0022	< 0.0021
trans-1,3-Dichloropropene	6.4	1.1	0.02		< 0.0019	< 0.0022	< 0.0021
Ethylbenzene	7,800	400	19		< 0.0047	< 0.0054	< 0.0051
2-Hexanone	NC	NC	NC		< 0.019	< 0.022	< 0.021
4-Methyl-2-pentanone	NC	NC	NC		< 0.019	< 0.022	< 0.021
Methylene chloride	85	13	0.2		< 0.0095	< 0.011	< 0.010
Methyl tert-butyl ether	780	8,800	0.32		< 0.0047	< 0.0054	< 0.0051
Styrene	16,000	1,500	18		< 0.0047	< 0.0054	< 0.0051
1,1,2,2-Tetrachloroethane	NC	NC	NC		< 0.0047	< 0.0054	< 0.0051
Tetrachloroethene	12	11	0.3		< 0.0047	< 0.0054	< 0.0051
Toluene	16,000	650	29		< 0.0047	< 0.0054	< 0.0051
1,1,1-Trichloroethane	NC	1,200	9.6		< 0.0047	< 0.0054	< 0.0051
1,1,2-Trichloroethane	310	1,800	0.3		< 0.0047	< 0.0054	< 0.0051
Trichloroethene	58	5	0.3		< 0.0047	< 0.0054	< 0.0051
Vinyl chloride	0.46	0.28	0.07		< 0.0047	< 0.0054	< 0.0051
Xylenes, Total	16,000	320	150		< 0.014	< 0.017	< 0.015

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. SCGW = Soil Component of the Groundwater
5. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1b
Soil Analytical Results
SVOCs Compared to TACO Tier I Residential Ingestion and Inhalation and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-1	SB-2	SB-4
				Date	3/8/2021	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	*Class II*	Depth (ft)	3-5	3-5	3-5
				pH	7.81	7.43	7.82
SVOCs							
Aniline	NC	NC	NC		< 0.39	< 0.42	< 0.39
Benzidine	NC	NC	NC		< 0.38	< 0.41	< 0.38
Benzoic acid	310,000	NC	400*		< 0.96	< 1.0	< 0.97
Benzyl alcohol	NC	NC	NC		< 0.20	< 0.21	< 0.20
Bis(2-chloroethoxy)methane	NC	NC	NC		< 0.20	< 0.21	< 0.20
Bis(2-chloroethyl)ether	0.6	0.2	0.0004		< 0.20	< 0.21	< 0.20
Bis(2-ethylhexyl)phthalate	46	31,000	31,000		< 0.96	< 1.0	< 0.97
4-Bromophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.21	< 0.20
Butyl benzyl phthalate	16,000	930	930		< 0.20	< 0.21	< 0.20
Carbazole	32	NC	2.8		< 0.20	< 0.21	< 0.20
4-Chloroaniline	310	NC	0.7		< 0.20	< 0.21	< 0.20
4-Chloro-3-methylphenol	NC	NC	NC		< 0.38	< 0.41	< 0.38
2-Chloronaphthalene	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Chlorophenol	390	53,000	20*		< 0.20	< 0.21	< 0.20
4-Chlorophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.21	< 0.20
Dibenzofuran	NC	NC	NC		< 0.20	< 0.21	< 0.20
1,2-Dichlorobenzene	7,000	560	43		< 0.20	< 0.21	< 0.20
1,3-Dichlorobenzene	NC	NC	NC		< 0.20	< 0.21	< 0.20
1,4-Dichlorobenzene	NC	11,000	11		< 0.20	< 0.21	< 0.20
3,3´-Dichlorobenzidine	1	NC	0.033		< 0.20	< 0.21	< 0.20
2,4-Dichlorophenol	230	NC	1*		< 0.20	< 0.21	< 0.20
Diethyl phthalate	63,000	2,000	470		< 0.20	< 0.21	< 0.20
2,4-Dimethylphenol	1,600	NC	9		< 0.20	< 0.21	< 0.20
Dimethyl phthalate	NC	NC	NC		< 0.20	< 0.21	< 0.20
4,6-Dinitro-2-methylphenol	NC	NC	NC		< 0.38	< 0.41	< 0.38
2,4-Dinitrophenol	160	NC	0.2		< 0.96	< 1.0	< 0.97
2,4-Dinitrotoluene	0.9	NC	0.0008		< 0.038	< 0.041	< 0.038
2,6-Dinitrotoluene	0.9	NC	0.0007		< 0.038	< 0.041	< 0.038
Di-n-butyl phthalate	7,800	2,300	2,300		< 0.20	< 0.21	< 0.20
Di-n-octyl phthalate	1,600	10,000	10,000		< 0.20	< 0.21	< 0.20
Hexachlorobenzene	0.4	1	11		< 0.20	< 0.21	< 0.20
Hexachlorobutadiene	NC	NC	NC		< 0.20	< 0.21	< 0.20
Hexachlorocyclopentadiene	550	10	2,200		< 0.20	< 0.21	< 0.20
Hexachloroethane	78	NC	2.6		< 0.20	< 0.21	< 0.20
Isophorone	15,600	4,600	8		< 0.20	< 0.21	< 0.20
2-Methylnaphthalene	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Methylphenol	3,900	NC	15		< 0.20	< 0.21	< 0.20
4-Methylphenol	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Nitroaniline	NC	NC	NC		< 0.20	< 0.21	< 0.20
3-Nitroaniline	NC	NC	NC		< 0.20	< 0.21	< 0.20
4-Nitroaniline	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Nitrophenol	NC	NC	NC		< 0.20	< 0.21	< 0.20
4-Nitrophenol	NC	NC	NC		< 0.38	< 0.41	< 0.38
Nitrobenzene	39	92	0.1		< 0.038	< 0.041	< 0.038
N-Nitrosodi-n-propylamine	0.09	NC	0.00005		< 0.038	< 0.041	< 0.038
N-Nitrosodimethylamine	NC	NC	NC		< 0.20	< 0.21	< 0.20
N-Nitrosodiphenylamine	130	NC	5.6		< 0.038	< 0.041	< 0.038
2, 2'-oxybis(1-Chloropropane)	NC	NC	NC		< 0.20	< 0.21	< 0.20
Pentachlorophenol	3	NC	0.14*		< 0.038	< 0.041	< 0.038
Phenol	23,000	NC	100		< 0.20	< 0.21	< 0.20
Pyridine	NC	NC	NC		< 0.78	< 0.84	< 0.78
1,2,4-Trichlorobenzene	780	3,200	53		< 0.20	< 0.21	< 0.20
2,4,5-Trichlorophenol	7,800	NC	26*		< 0.20	< 0.21	< 0.20
2,4,6-Trichlorophenol	58	200	0.07*		< 0.20	< 0.21	< 0.20

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. * = Appendix B, Table C, pH specific SROs
5. SCGW = Soil Component of the Groundwater
6. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1b
Soil Analytical Results
SVOCs Compared to TACO Tier I Residential Ingestion and Inhalation and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-5	SB-6
				Date	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	*Class II*	Depth (ft)	3-5	3-5
				pH	7.97	8.02
SVOCs						
Aniline	NC	NC	NC		< 0.39	< 0.38
Benzidine	NC	NC	NC		< 0.39	< 0.38
Benzoic acid	310,000	NC	400*		< 0.98	< 0.95
Benzyl alcohol	NC	NC	NC		< 0.20	< 0.19
Bis(2-chloroethoxy)methane	NC	NC	NC		< 0.20	< 0.19
Bis(2-chloroethyl)ether	0.6	0.2	0.0004		< 0.20	< 0.19
Bis(2-ethylhexyl)phthalate	46	31,000	31,000		< 0.98	< 0.95
4-Bromophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.19
Butyl benzyl phthalate	16,000	930	930		< 0.20	< 0.19
Carbazole	32	NC	2.8		< 0.20	< 0.19
4-Chloroaniline	310	NC	0.7		< 0.20	< 0.19
4-Chloro-3-methylphenol	NC	NC	NC		< 0.39	< 0.38
2-Chloronaphthalene	NC	NC	NC		< 0.20	< 0.19
2-Chlorophenol	390	53,000	20*		< 0.20	< 0.19
4-Chlorophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.19
Dibenzofuran	NC	NC	NC		< 0.20	< 0.19
1,2-Dichlorobenzene	7,000	560	43		< 0.20	< 0.19
1,3-Dichlorobenzene	NC	NC	NC		< 0.20	< 0.19
1,4-Dichlorobenzene	NC	11,000	11		< 0.20	< 0.19
3,3´-Dichlorobenzidine	1	NC	0.033		< 0.20	< 0.19
2,4-Dichlorophenol	230	NC	1*		< 0.20	< 0.19
Diethyl phthalate	63,000	2,000	470		< 0.20	< 0.19
2,4-Dimethylphenol	1,600	NC	9		< 0.20	< 0.19
Dimethyl phthalate	NC	NC	NC		< 0.20	< 0.19
4,6-Dinitro-2-methylphenol	NC	NC	NC		< 0.39	< 0.38
2,4-Dinitrophenol	160	NC	0.2		< 0.98	< 0.95
2,4-Dinitrotoluene	0.9	NC	0.0008		< 0.039	< 0.038
2,6-Dinitrotoluene	0.9	NC	0.0007		< 0.039	< 0.038
Di-n-butyl phthalate	7,800	2,300	2,300		< 0.20	< 0.19
Di-n-octyl phthalate	1,600	10,000	10,000		< 0.20	< 0.19
Hexachlorobenzene	0.4	1	11		< 0.20	< 0.19
Hexachlorobutadiene	NC	NC	NC		< 0.20	< 0.19
Hexachlorocyclopentadiene	550	10	2,200		< 0.20	< 0.19
Hexachloroethane	78	NC	2.6		< 0.20	< 0.19
Isophorone	15,600	4,600	8		< 0.20	< 0.19
2-Methylnaphthalene	NC	NC	NC		< 0.20	< 0.19
2-Methylphenol	3,900	NC	15		< 0.20	< 0.19
4-Methylphenol	NC	NC	NC		< 0.20	< 0.19
2-Nitroaniline	NC	NC	NC		< 0.20	< 0.19
3-Nitroaniline	NC	NC	NC		< 0.20	< 0.19
4-Nitroaniline	NC	NC	NC		< 0.20	< 0.19
2-Nitrophenol	NC	NC	NC		< 0.20	< 0.19
4-Nitrophenol	NC	NC	NC		< 0.39	< 0.38
Nitrobenzene	39	92	0.1		< 0.039	< 0.038
N-Nitrosodi-n-propylamine	0.09	NC	0.00005		< 0.039	< 0.038
N-Nitrosodimethylamine	NC	NC	NC		< 0.20	< 0.19
N-Nitrosodiphenylamine	130	NC	5.6		< 0.039	< 0.038
2, 2'-oxybis(1-Chloropropane)	NC	NC	NC		< 0.20	< 0.19
Pentachlorophenol	3	NC	0.14*		< 0.039	< 0.038
Phenol	23,000	NC	100		< 0.20	< 0.19
Pyridine	NC	NC	NC		< 0.79	< 0.77
1,2,4-Trichlorobenzene	780	3,200	53		< 0.20	< 0.19
2,4,5-Trichlorophenol	7,800	NC	26*		< 0.20	< 0.19
2,4,6-Trichlorophenol	58	200	0.07*		< 0.20	< 0.19

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. * = Appendix B, Table C, pH specific SROs
5. SCGW = Soil Component of the Groundwater
6. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1b
Soil Analytical Results
SVOCs Compared to TACO Tier I Residential Ingestion and Inhalation and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-7	SB-8
				Date	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	*Class II*	Depth (ft)	3-5	3-5
				pH	7.98	8.68
SVOCs						
Aniline	NC	NC	NC		< 0.40	< 0.36
Benzidine	NC	NC	NC		< 0.40	< 0.36
Benzoic acid	310,000	NC	400*		< 1.0	< 0.90
Benzyl alcohol	NC	NC	NC		< 0.20	< 0.18
Bis(2-chloroethoxy)methane	NC	NC	NC		< 0.20	< 0.18
Bis(2-chloroethyl)ether	0.6	0.2	0.0004		< 0.20	< 0.18
Bis(2-ethylhexyl)phthalate	46	31,000	31,000		< 1.0	< 0.90
4-Bromophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.18
Butyl benzyl phthalate	16,000	930	930		< 0.20	0.52
Carbazole	32	NC	2.8		< 0.20	< 0.18
4-Chloroaniline	310	NC	0.7		< 0.20	< 0.18
4-Chloro-3-methylphenol	NC	NC	NC		< 0.40	< 0.36
2-Chloronaphthalene	NC	NC	NC		< 0.20	< 0.18
2-Chlorophenol	390	53,000	20*		< 0.20	< 0.18
4-Chlorophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.18
Dibenzofuran	NC	NC	NC		< 0.20	< 0.18
1,2-Dichlorobenzene	7,000	560	43		< 0.20	< 0.18
1,3-Dichlorobenzene	NC	NC	NC		< 0.20	< 0.18
1,4-Dichlorobenzene	NC	11,000	11		< 0.20	< 0.18
3,3´-Dichlorobenzidine	1	NC	0.033		< 0.20	< 0.18
2,4-Dichlorophenol	230	NC	1*		< 0.20	< 0.18
Diethyl phthalate	63,000	2,000	470		< 0.20	< 0.18
2,4-Dimethylphenol	1,600	NC	9		< 0.20	< 0.18
Dimethyl phthalate	NC	NC	NC		< 0.20	< 0.18
4,6-Dinitro-2-methylphenol	NC	NC	NC		< 0.40	< 0.36
2,4-Dinitrophenol	160	NC	0.2		< 1.0	< 0.90
2,4-Dinitrotoluene	0.9	NC	0.0008		< 0.040	< 0.036
2,6-Dinitrotoluene	0.9	NC	0.0007		< 0.040	< 0.036
Di-n-butyl phthalate	7,800	2,300	2,300		< 0.20	< 0.18
Di-n-octyl phthalate	1,600	10,000	10,000		< 0.20	< 0.18
Hexachlorobenzene	0.4	1	11		< 0.20	< 0.18
Hexachlorobutadiene	NC	NC	NC		< 0.20	< 0.18
Hexachlorocyclopentadiene	550	10	2,200		< 0.20	< 0.18
Hexachloroethane	78	NC	2.6		< 0.20	< 0.18
Isophorone	15,600	4,600	8		< 0.20	< 0.18
2-Methylnaphthalene	NC	NC	NC		< 0.20	< 0.18
2-Methylphenol	3,900	NC	15		< 0.20	< 0.18
4-Methylphenol	NC	NC	NC		< 0.20	< 0.18
2-Nitroaniline	NC	NC	NC		< 0.20	< 0.18
3-Nitroaniline	NC	NC	NC		< 0.20	< 0.18
4-Nitroaniline	NC	NC	NC		< 0.20	< 0.18
2-Nitrophenol	NC	NC	NC		< 0.20	< 0.18
4-Nitrophenol	NC	NC	NC		< 0.40	< 0.36
Nitrobenzene	39	92	0.1		< 0.040	< 0.036
N-Nitrosodi-n-propylamine	0.09	NC	0.00005		< 0.040	< 0.036
N-Nitrosodimethylamine	NC	NC	NC		< 0.20	< 0.18
N-Nitrosodiphenylamine	130	NC	5.6		< 0.040	< 0.036
2, 2'-oxybis(1-Chloropropane)	NC	NC	NC		< 0.20	< 0.18
Pentachlorophenol	3	NC	0.14*		< 0.040	< 0.036
Phenol	23,000	NC	100		< 0.20	< 0.18
Pyridine	NC	NC	NC		< 0.81	< 0.72
1,2,4-Trichlorobenzene	780	3,200	53		< 0.20	< 0.18
2,4,5-Trichlorophenol	7,800	NC	26*		< 0.20	< 0.18
2,4,6-Trichlorophenol	58	200	0.07*		< 0.20	< 0.18

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. * = Appendix B, Table C, pH specific SROs
5. SCGW = Soil Component of the Groundwater
6. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1c
Soil Analytical Results
PNAs Compared to TACO Tier I Residential Ingestion and Inhalation and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-1	SB-2	SB-4	SB-5
				Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	*Class II*	**Depth (ft)**	3-5	3-5	3-5	3-5
PNAs								
Acenaphthene	4,700	NC	2900		< 0.038	< 0.041	< 0.038	< 0.039
Acenaphthylene	NC	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039
Anthracene	23,000	NC	59,000		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(a)anthracene	1.1*	NC	8		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(a)pyrene	1.3*	NC	82		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(b)fluoranthene	1.5*	NC	25		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(g,h,i)perylene	NC	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(k)fluoranthene	9	NC	250		< 0.038	< 0.041	< 0.038	< 0.039
Chrysene	88	NC	800		< 0.038	< 0.041	< 0.038	< 0.039
Dibenzo(a,h)anthracene	0.2*	NC	7.6		< 0.038	< 0.041	< 0.038	< 0.039
Fluoranthene	3,100	NC	21,000		< 0.038	< 0.041	< 0.038	< 0.039
Fluorene	3,100	NC	2800		< 0.038	< 0.041	< 0.038	< 0.039
Indeno(1,2,3-cd)pyrene	0.9	NC	69		< 0.038	< 0.041	< 0.038	< 0.039
Naphthalene	1,600	270	18		< 0.038	< 0.041	< 0.038	< 0.039
Phenanthrene	NC	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039
Pyrene	2,300	NC	21,000		< 0.038	< 0.041	< 0.038	< 0.039

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. * = Location specific background value
5. SCGW = Soil Component of the Groundwater
6. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1c
Soil Analytical Results
PNAs Compared to TACO Tier I Residential Ingestion and Inhalation and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-6	SB-7	SB-8
				Date	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	*Class II*	**Depth (ft)**	3-5	3-5	3-5
PNAs							
Acenaphthene	4,700	NC	2900		< 0.038	< 0.040	0.043
Acenaphthylene	NC	NC	NC		< 0.038	< 0.040	< 0.036
Anthracene	23,000	NC	59,000		< 0.038	< 0.040	0.12
Benzo(a)anthracene	1.1*	NC	8		< 0.038	< 0.040	0.52
Benzo(a)pyrene	1.3*	NC	82		< 0.038	< 0.040	0.59
Benzo(b)fluoranthene	1.5*	NC	25		< 0.038	< 0.040	0.64
Benzo(g,h,i)perylene	NC	NC	NC		< 0.038	< 0.040	0.46
Benzo(k)fluoranthene	9	NC	250		< 0.038	< 0.040	0.51
Chrysene	88	NC	800		< 0.038	< 0.040	0.67
Dibenzo(a,h)anthracene	0.2*	NC	7.6		< 0.038	< 0.040	0.19
Fluoranthene	3,100	NC	21,000		< 0.038	< 0.040	1.2
Fluorene	3,100	NC	2800		< 0.038	< 0.040	0.065
Indeno(1,2,3-cd)pyrene	0.9	NC	69		< 0.038	< 0.040	0.4
Naphthalene	1,600	270	18		< 0.038	< 0.040	< 0.036
Phenanthrene	NC	NC	NC		< 0.038	< 0.040	0.66
Pyrene	2,300	NC	21,000		< 0.038	< 0.040	0.96

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. * = Location specific background value
5. SCGW = Soil Component of the Groundwater
6. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1d
Soil Analytical Results
Inorganics and pH Compared to TACO Tier I Residential Ingestion and Inhalation and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW (CLASS II)				Sample	SB-1	SB-2	SB-4	SB-5
			pH 7.25	*pH 7.75*	*pH 8.25*	*mg/L*	**Date**	3/8/2021	3/8/2021	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	*to 7.74*	*to 8.24*	*to 8.74*		**Depth (ft)**	3-5	3-5	3-5	3-5
Inorganics (mg/kg)											
Aluminum	NC	NC	NC	NC	NC	NC		15000	16000	17000	15000
Antimony	31	NC	20	20	20	NC		< 2.1	< 2.3	< 2.3	< 2.0
Arsenic	13	750	120	120	130	NC		6.3	***16***	12	11
Barium	5,500	690,000	1,800	2,100	NC	NC		100	230	120	100
Beryllium	160	1,300	130,000	1,000,000	NC	NC		0.72	0.96	0.85	0.78
Cadmium	78	1,800	590	4,300	NC	NC		< 0.53	< 0.58	< 0.57	< 0.50
Calcium	NC	NC	NC	NC	NC	NC		84000	6700	95000	85000
Chromium	230	270	32**	28**	24**	NC		26	27	27	26
Cobalt	4,700	NC	NC	NC	NC	NC		7.6	20	18	16
Copper	2,900	NC	330,000	330,000	NC	NC		24	41	33	31
Cyanide	1,600	NC	120	120	120	NC		< 0.29	< 0.32	< 0.29	< 0.29
Iron	NC	NC	NC	NC	NC	NC		26000	36000	33000	29000
Lead	400	NC	1,420	1,420	1,420	NC		15	24	21	18
Magnesium	325,000	NC	NC	NC	NC	NC		41000	8100	48000	40000
Manganese	1,600	91,000	NC	NC	NC	NC		300	700	670	630
Mercury[c] (Total)	23	10	32	40	NC	NC		< 0.023	< 0.025	< 0.020	< 0.019
Mercury (Elemental)	23	10	32	40	NC	NC		NA	NA	NA	NA
Nickel	1,600	13,000	14000	76,000	NC	NC		27	46	42	41
Potassium	NC	NC	NC	NC	NC	NC		2900	1600	3100	3400
Selenium	390	NC	3.3	2.4	1.8	NC		< 1.1	< 1.2	< 1.1	< 1.0
Silver	390	NC	39**	110**	110**	NC		< 1.1	< 1.2	< 1.1	< 1.0
Sodium	NC	NC	NC	NC	NC	NC		1100	1400	1600	1600
Thallium	6.3	NC	34	38	44	NC		< 1.1	< 1.2	< 1.1	< 1.0
Vanadium	550	NC	980**	980**	980**	NC		26	35	34	31
Zinc	23,000	NC	32,000	110,000	NC	NC		59	86	68	67
pH	NC	NC	NC	NC	NC	NC		7.81	7.43	7.82	7.97

NOTES

1. Total Metal results expressed in milligrams per kilogram (mg/kg). TCLP/SPLP results expressed in milligrams per kilogram (mg/L).
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. SCGW = Soil Component of the Groundwater
5. c = Inhalation Exposure Routes for Mercury excluded under footnote s of TACO Section 742, Appendix B, Table B. Inhalation remediation objective only applies at sites where elemental mercury is a contaminant of concern.
6. * = SCGW exposure route excluded under footnote "*m*" of TACO Section 742, Appendix B, Table B.
7. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1d
Soil Analytical Results
Inorganics and pH Compared to TACO Tier I Residential Ingestion and Inhalation and SCGW SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW (CLASS II)				Sample	SB-6	SB-7	SB-8
			pH 7.25	*pH 7.75*	*pH 8.25*	*mg/L*	**Date**	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	*to 7.74*	*to 8.24*	*to 8.74*		**Depth (ft)**	3-5	3-5	3-5
Inorganics (mg/kg)										
Aluminum	NC	NC	NC	NC	NC	NC		16000	12000	3300
Antimony	31	NC	20	20	20	NC		< 2.0	< 2.1	< 1.9
Arsenic	13	750	120	120	130	NC		10	8	***22***
Barium	5,500	690,000	1,800	2,100	NC	NC		96	160	28
Beryllium	160	1,300	130,000	1,000,000	NC	NC		0.83	0.69	< 0.47
Cadmium	78	1,800	590	4,300	NC	NC		< 0.50	< 0.52	< 0.47
Calcium	NC	NC	NC	NC	NC	NC		68000	49000	150000
Chromium	230	270	32**	28**	24**	NC		27	18	15
Cobalt	4,700	NC	NC	NC	NC	NC		15	13	4.9
Copper	2,900	NC	330,000	330,000	NC	NC		28	20	27
Cyanide	1,600	NC	120	120	120	NC		< 0.29	< 0.30	< 0.27
Iron	NC	NC	NC	NC	NC	NC		29000	23000	33000
Lead	400	NC	1,420	1,420	1,420	NC		17	18	20
Magnesium	325,000	NC	NC	NC	NC	NC		32000	29000	95000
Manganese	1,600	91,000	NC	NC	NC	NC		470	1000	470
Mercury[c] (Total)	23	10	32	40	NC	NC		< 0.022	0.023	0.022
Mercury (Elemental)	23	10	32	40	NC	NC		NA	NA	NA
Nickel	1,600	13,000	14000	76,000	NC	NC		39	23	14
Potassium	NC	NC	NC	NC	NC	NC		3100	1900	1000
Selenium	390	NC	3.3	2.4	1.8	NC		< 1.0	1	< 0.95
Silver	390	NC	39**	110**	110**	NC		< 1.0	< 1.0	< 0.95
Sodium	NC	NC	NC	NC	NC	NC		1100	290	2800
Thallium	6.3	NC	34	38	44	NC		< 1.0	< 1.0	< 0.95
Vanadium	550	NC	980**	980**	980**	NC		31	34	13
Zinc	23,000	NC	32,000	110,000	NC	NC		63	77	66
pH	NC	NC	NC	NC	NC	NC		8.02	7.98	8.68

NOTES

1. Total Metal results expressed in milligrams per kilogram (mg/kg). TCLP/SPLP results expressed in milligrams per kilogram (mg/L).
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. SCGW = Soil Component of the Groundwater
5. c = Inhalation Exposure Routes for Mercury excluded under footnote s of TACO Section 742, Appendix B, Table B. Inhalation remediation objective only applies at sites where elemental mercury is a contaminant of concern.
6. * = SCGW exposure route excluded under footnote "*m*" of TACO Section 742, Appendix B, Table B.
7. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1e
Soil Analytical Results
Pesticides and PCBs Compared to TACO Tier I Residential and SCGW
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-1	SB-2	SB-4	SB-5
				Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	*Class II*	Depth (ft)	3-5	3-5	3-5	3-5
				pH	7.81	7.43	7.82	7.97
Pesticides								
4,4´-DDD	3	NC	80		< 0.0019	< 0.0020	< 0.0018	< 0.0019
4,4´-DDE	2	NC	270		< 0.0019	< 0.0020	< 0.0018	< 0.0019
4,4´-DDT	2	1,500	160		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Aldrin	0.04	3	2.5		< 0.0019	< 0.0020	< 0.0018	< 0.0019
alpha-BHC	0.1	0.8	0.003		< 0.0019	< 0.0020	< 0.0018	< 0.0019
alpha-Chlordane	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
beta-BHC	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Chlordane	1.8	72	48		< 0.019	< 0.020	< 0.018	< 0.019
delta-BHC	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Dieldrin	0.04	1	0.02		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endosulfan I	470	NC	90		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endosulfan II	470	NC	90		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endosulfan sulfate	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endrin	23	NC	5		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endrin aldehyde	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endrin ketone	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
gamma-BHC	0.5	NC	0.047		< 0.0019	< 0.0020	< 0.0018	< 0.0019
gamma-Chlordane	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Heptachlor	0.1	0.1	110		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Heptachlor epoxide	0.07	5	3.3		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Methoxychlor	390	NC	780		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Toxaphene	0.6	89	150		< 0.038	< 0.042	< 0.038	< 0.039
PCBs								
Aroclor 1016	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1221	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1232	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1242	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1248	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1254	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1260	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Total PCBs	1	NC	NC		ND	ND	ND	ND

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. ND = Not Detected at the reporting limit
5. * = Appendix B, Table C, pH specific SROs
6. SCGW = Soil Component of the Groundwater
7. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 1e
Soil Analytical Results
Pesticides and PCBs Compared to TACO Tier I Residential and SCGW
Bowman 75th Street Improvements
DuPage County, Illinois

	RESIDENTIAL		SCGW	Sample	SB-6	SB-7	SB-8
				Date	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	*Class II*	Depth (ft)	3-5	3-5	3-5
				pH	8.02	7.98	8.68
Pesticides							
4,4´-DDD	3	NC	80		< 0.0018	< 0.0019	< 0.0017
4,4´-DDE	2	NC	270		< 0.0018	< 0.0019	< 0.0017
4,4´-DDT	2	1,500	160		< 0.0018	< 0.0019	< 0.0017
Aldrin	0.04	3	2.5		< 0.0018	< 0.0019	< 0.0017
alpha-BHC	0.1	0.8	0.003		< 0.0018	< 0.0019	< 0.0017
alpha-Chlordane	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
beta-BHC	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Chlordane	1.8	72	48		< 0.018	< 0.019	< 0.017
delta-BHC	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Dieldrin	0.04	1	0.02		< 0.0018	< 0.0019	< 0.0017
Endosulfan I	470	NC	90		< 0.0018	< 0.0019	< 0.0017
Endosulfan II	470	NC	90		< 0.0018	< 0.0019	< 0.0017
Endosulfan sulfate	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Endrin	23	NC	5		< 0.0018	< 0.0019	< 0.0017
Endrin aldehyde	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Endrin ketone	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
gamma-BHC	0.5	NC	0.047		< 0.0018	< 0.0019	< 0.0017
gamma-Chlordane	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Heptachlor	0.1	0.1	110		< 0.0018	< 0.0019	< 0.0017
Heptachlor epoxide	0.07	5	3.3		< 0.0018	< 0.0019	< 0.0017
Methoxychlor	390	NC	780		< 0.0018	< 0.0019	< 0.0017
Toxaphene	0.6	89	150		< 0.038	< 0.040	< 0.036
PCBs							
Aroclor 1016	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1221	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1232	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1242	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1248	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1254	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1260	NC	NC	NC		< 0.091	< 0.096	< 0.086
Total PCBs	1	NC	NC		ND	ND	ND

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. ND = Not Detected at the reporting limit
5. * = Appendix B, Table C, pH specific SROs
6. SCGW = Soil Component of the Groundwater
7. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 2

Soil Analytical Results Compared to CCDD MAV Values

TABLE 2a
Soil Analytical Results
VOCs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-1	SB-2	SB-4	SB-5
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/8/2021	3/8/2021	3/8/2021
				Depth (ft)	3-5	3-5	3-5	3-5
VOCs								
Acetone	25	25	25		< 0.076	< 0.097	< 0.072	< 0.078
Benzene	0.03	0.03	0.03		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromodichloromethane	0.6	0.6	0.6		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromoform	0.8	0.8	0.8		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromomethane	0.2	0.2	0.2		< 0.010	< 0.013	< 0.0096	< 0.010
2-Butanone	NC	NC	NC		< 0.076	< 0.097	< 0.072	< 0.078
Carbon disulfide	9	9	9		< 0.050	< 0.065	< 0.048	< 0.052
Carbon tetrachloride	0.07	0.07	0.07		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chlorobenzene	1	1	1		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chloroethane	NC	NC	NC		< 0.010	< 0.013	< 0.0096	< 0.010
Chloroform	0.3	0.3	0.3		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chloromethane	NC	NC	NC		< 0.010	< 0.013	< 0.0096	< 0.010
Dibromochloromethane	0.4	0.4	0.4		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1-Dichloroethane	23	23	23		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,2-Dichloroethane	0.02	0.02	0.02		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1-Dichloroethene	0.06	0.06	0.06		< 0.0050	< 0.0065	< 0.0048	< 0.0052
cis-1,2-Dichloroethene	0.4	0.4	0.4		< 0.0050	< 0.0065	< 0.0048	< 0.0052
trans-1,2-Dichloroethene	0.7	0.7	0.7		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,2-Dichloropropane	0.03	0.03	0.03		< 0.0050	< 0.0065	< 0.0048	< 0.0052
cis-1,3-Dichloropropene	0.005	0.005	0.005		< 0.0020	< 0.0026	< 0.0019	< 0.0021
trans-1,3-Dichloropropene	0.005	0.005	0.005		< 0.0020	< 0.0026	< 0.0019	< 0.0021
Ethylbenzene	13	13	13		< 0.0050	< 0.0065	< 0.0048	< 0.0052
2-Hexanone	NC	NC	NC		< 0.020	< 0.026	< 0.019	< 0.021
4-Methyl-2-pentanone	NC	NC	NC		< 0.020	< 0.026	< 0.019	< 0.021
Methylene chloride	0.02	0.02	0.02		< 0.010	< 0.013	< 0.0096	< 0.010
Methyl tert-butyl ether	0.32	0.32	0.32		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Styrene	4	4	4		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,2,2-Tetrachloroethane	NC	NC	NC		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Tetrachloroethene	0.06	0.06	0.06		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Toluene	12	12	12		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,1-Trichloroethane	2	2	2		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,2-Trichloroethane	0.02	0.02	0.02		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Trichloroethene	0.06	0.06	0.06		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Vinyl chloride	0.01	0.01	0.01		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Xylenes, Total	5.6	5.6	5.6		< 0.015	< 0.019	< 0.014	< 0.016

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2a
Soil Analytical Results
VOCs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-6	SB-7	SB-8
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/5/2021	3/5/2021
				Depth (ft)	3-5	3-5	3-5
VOCs							
Acetone	25	25	25		< 0.071	< 0.082	< 0.077
Benzene	0.03	0.03	0.03		< 0.0047	< 0.0054	< 0.0051
Bromodichloromethane	0.6	0.6	0.6		< 0.0047	< 0.0054	< 0.0051
Bromoform	0.8	0.8	0.8		< 0.0047	< 0.0054	< 0.0051
Bromomethane	0.2	0.2	0.2		< 0.0095	< 0.011	< 0.010
2-Butanone	NC	NC	NC		< 0.071	< 0.082	< 0.077
Carbon disulfide	9	9	9		< 0.047	< 0.054	< 0.051
Carbon tetrachloride	0.07	0.07	0.07		< 0.0047	< 0.0054	< 0.0051
Chlorobenzene	1	1	1		< 0.0047	< 0.0054	< 0.0051
Chloroethane	NC	NC	NC		< 0.0095	< 0.011	< 0.010
Chloroform	0.3	0.3	0.3		< 0.0047	< 0.0054	< 0.0051
Chloromethane	NC	NC	NC		< 0.0095	< 0.011	< 0.010
Dibromochloromethane	0.4	0.4	0.4		< 0.0047	< 0.0054	< 0.0051
1,1-Dichloroethane	23	23	23		< 0.0047	< 0.0054	< 0.0051
1,2-Dichloroethane	0.02	0.02	0.02		< 0.0047	< 0.0054	< 0.0051
1,1-Dichloroethene	0.06	0.06	0.06		< 0.0047	< 0.0054	< 0.0051
cis-1,2-Dichloroethene	0.4	0.4	0.4		< 0.0047	< 0.0054	< 0.0051
trans-1,2-Dichloroethene	0.7	0.7	0.7		< 0.0047	< 0.0054	< 0.0051
1,2-Dichloropropane	0.03	0.03	0.03		< 0.0047	< 0.0054	< 0.0051
cis-1,3-Dichloropropene	0.005	0.005	0.005		< 0.0019	< 0.0022	< 0.0021
trans-1,3-Dichloropropene	0.005	0.005	0.005		< 0.0019	< 0.0022	< 0.0021
Ethylbenzene	13	13	13		< 0.0047	< 0.0054	< 0.0051
2-Hexanone	NC	NC	NC		< 0.019	< 0.022	< 0.021
4-Methyl-2-pentanone	NC	NC	NC		< 0.019	< 0.022	< 0.021
Methylene chloride	0.02	0.02	0.02		< 0.0095	< 0.011	< 0.010
Methyl tert-butyl ether	0.32	0.32	0.32		< 0.0047	< 0.0054	< 0.0051
Styrene	4	4	4		< 0.0047	< 0.0054	< 0.0051
1,1,2,2-Tetrachloroethane	NC	NC	NC		< 0.0047	< 0.0054	< 0.0051
Tetrachloroethene	0.06	0.06	0.06		< 0.0047	< 0.0054	< 0.0051
Toluene	12	12	12		< 0.0047	< 0.0054	< 0.0051
1,1,1-Trichloroethane	2	2	2		< 0.0047	< 0.0054	< 0.0051
1,1,2-Trichloroethane	0.02	0.02	0.02		< 0.0047	< 0.0054	< 0.0051
Trichloroethene	0.06	0.06	0.06		< 0.0047	< 0.0054	< 0.0051
Vinyl chloride	0.01	0.01	0.01		< 0.0047	< 0.0054	< 0.0051
Xylenes, Total	5.6	5.6	5.6		< 0.014	< 0.017	< 0.015

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2b
Soil Analytical Results
SVOCs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-1	SB-2	SB-4
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/8/2021	3/8/2021
				Depth (ft)	3-5	3-5	3-5
SVOCs							
Aniline	NC	NC	NC		< 0.39	< 0.42	< 0.39
Benzidine	NC	NC	NC		< 0.38	< 0.41	< 0.38
Benzoic acid	400	400	400		< 0.96	< 1.0	< 0.97
Benzyl alcohol	NC	NC	NC		< 0.20	< 0.21	< 0.20
Bis(2-chloroethoxy)methane	NC	NC	NC		< 0.20	< 0.21	< 0.20
Bis(2-chloroethyl)ether	0.66	0.66	0.66		< 0.20	< 0.21	< 0.20
Bis(2-ethylhexyl)phthalate	46	46	46		< 0.96	< 1.0	< 0.97
4-Bromophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.21	< 0.20
Butyl benzyl phthalate	930	930	930		< 0.20	< 0.21	< 0.20
Carbazole	0.6	0.6	0.6		< 0.20	< 0.21	< 0.20
4-Chloroaniline	0.7	0.7	0.7		< 0.20	< 0.21	< 0.20
4-Chloro-3-methylphenol	NC	NC	NC		< 0.38	< 0.41	< 0.38
2-Chloronaphthalene	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Chlorophenol	1.5	1.5	1.5		< 0.20	< 0.21	< 0.20
4-Chlorophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.21	< 0.20
Dibenzofuran	NC	NC	NC		< 0.20	< 0.21	< 0.20
1,2-Dichlorobenzene	17	17	17		< 0.20	< 0.21	< 0.20
1,3-Dichlorobenzene	NC	NC	NC		< 0.20	< 0.21	< 0.20
1,4-Dichlorobenzene	2	2	2		< 0.20	< 0.21	< 0.20
3,3´-Dichlorobenzidine	1.3	1.3	1.3		< 0.20	< 0.21	< 0.20
2,4-Dichlorophenol	0.48	0.48	0.48		< 0.20	< 0.21	< 0.20
Diethyl phthalate	470	470	470		< 0.20	< 0.21	< 0.20
2,4-Dimethylphenol	9	9	9		< 0.20	< 0.21	< 0.20
Dimethyl phthalate	NC	NC	NC		< 0.20	< 0.21	< 0.20
4,6-Dinitro-2-methylphenol	NC	NC	NC		< 0.38	< 0.41	< 0.38
2,4-Dinitrophenol	3.3	3.3	3.3		< 0.96	< 1.0	< 0.97
2,4-Dinitrotoluene	0.25	0.25	0.25		< 0.038	< 0.041	< 0.038
2,6-Dinitrotoluene	0.26	0.26	0.26		< 0.038	< 0.041	< 0.038
Di-n-butyl phthalate	2,300	2,300	2,300		< 0.20	< 0.21	< 0.20
Di-n-octyl phthalate	1,600	1,600	1,600		< 0.20	< 0.21	< 0.20
Hexachlorobenzene	0.4	0.4	0.4		< 0.20	< 0.21	< 0.20
Hexachlorobutadiene	NC	NC	NC		< 0.20	< 0.21	< 0.20
Hexachlorocyclopentadiene	1.1	1.1	1.1		< 0.20	< 0.21	< 0.20
Hexachloroethane	0.5	0.5	0.5		< 0.20	< 0.21	< 0.20
Isophorone	8	8	8		< 0.20	< 0.21	< 0.20
2-Methylnaphthalene	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Methylphenol	15	15	15		< 0.20	< 0.21	< 0.20
4-Methylphenol	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Nitroaniline	NC	NC	NC		< 0.20	< 0.21	< 0.20
3-Nitroaniline	NC	NC	NC		< 0.20	< 0.21	< 0.20
4-Nitroaniline	NC	NC	NC		< 0.20	< 0.21	< 0.20
2-Nitrophenol	NC	NC	NC		< 0.20	< 0.21	< 0.20
4-Nitrophenol	NC	NC	NC		< 0.38	< 0.41	< 0.38
Nitrobenzene	0.26	0.26	0.26		< 0.038	< 0.041	< 0.038
N-Nitrosodi-n-propylamine	0.0018	0.0018	0.0018		< 0.038	< 0.041	< 0.038
N-Nitrosodimethylamine	NC	NC	NC		< 0.20	< 0.21	< 0.20
N-Nitrosodiphenylamine	1	1	1		< 0.038	< 0.041	< 0.038
2, 2'-oxybis(1-Chloropropane)	NC	NC	NC		< 0.20	< 0.21	< 0.20
Pentachlorophenol	0.02	0.02	0.02		< 0.038	< 0.041	< 0.038
Phenol	100	100	100		< 0.20	< 0.21	< 0.20
Pyridine	NC	NC	NC		< 0.78	< 0.84	< 0.78
1,2,4-Trichlorobenzene	5	5	5		< 0.20	< 0.21	< 0.20
2,4,5-Trichlorophenol	26	26	26		< 0.20	< 0.21	< 0.20
2,4,6-Trichlorophenol	0.66	0.66	0.66		< 0.20	< 0.21	< 0.20

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2b
Soil Analytical Results
SVOCs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-5	SB-6
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/8/2021
				Depth (ft)	3-5	3-5
SVOCs						
Aniline	NC	NC	NC		< 0.39	< 0.38
Benzidine	NC	NC	NC		< 0.39	< 0.38
Benzoic acid	400	400	400		< 0.98	< 0.95
Benzyl alcohol	NC	NC	NC		< 0.20	< 0.19
Bis(2-chloroethoxy)methane	NC	NC	NC		< 0.20	< 0.19
Bis(2-chloroethyl)ether	0.66	0.66	0.66		< 0.20	< 0.19
Bis(2-ethylhexyl)phthalate	46	46	46		< 0.98	< 0.95
4-Bromophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.19
Butyl benzyl phthalate	930	930	930		< 0.20	< 0.19
Carbazole	0.6	0.6	0.6		< 0.20	< 0.19
4-Chloroaniline	0.7	0.7	0.7		< 0.20	< 0.19
4-Chloro-3-methylphenol	NC	NC	NC		< 0.39	< 0.38
2-Chloronaphthalene	NC	NC	NC		< 0.20	< 0.19
2-Chlorophenol	1.5	1.5	1.5		< 0.20	< 0.19
4-Chlorophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.19
Dibenzofuran	NC	NC	NC		< 0.20	< 0.19
1,2-Dichlorobenzene	17	17	17		< 0.20	< 0.19
1,3-Dichlorobenzene	NC	NC	NC		< 0.20	< 0.19
1,4-Dichlorobenzene	2	2	2		< 0.20	< 0.19
3,3´-Dichlorobenzidine	1.3	1.3	1.3		< 0.20	< 0.19
2,4-Dichlorophenol	0.48	0.48	0.48		< 0.20	< 0.19
Diethyl phthalate	470	470	470		< 0.20	< 0.19
2,4-Dimethylphenol	9	9	9		< 0.20	< 0.19
Dimethyl phthalate	NC	NC	NC		< 0.20	< 0.19
4,6-Dinitro-2-methylphenol	NC	NC	NC		< 0.39	< 0.38
2,4-Dinitrophenol	3.3	3.3	3.3		< 0.98	< 0.95
2,4-Dinitrotoluene	0.25	0.25	0.25		< 0.039	< 0.038
2,6-Dinitrotoluene	0.26	0.26	0.26		< 0.039	< 0.038
Di-n-butyl phthalate	2,300	2,300	2,300		< 0.20	< 0.19
Di-n-octyl phthalate	1,600	1,600	1,600		< 0.20	< 0.19
Hexachlorobenzene	0.4	0.4	0.4		< 0.20	< 0.19
Hexachlorobutadiene	NC	NC	NC		< 0.20	< 0.19
Hexachlorocyclopentadiene	1.1	1.1	1.1		< 0.20	< 0.19
Hexachloroethane	0.5	0.5	0.5		< 0.20	< 0.19
Isophorone	8	8	8		< 0.20	< 0.19
2-Methylnaphthalene	NC	NC	NC		< 0.20	< 0.19
2-Methylphenol	15	15	15		< 0.20	< 0.19
4-Methylphenol	NC	NC	NC		< 0.20	< 0.19
2-Nitroaniline	NC	NC	NC		< 0.20	< 0.19
3-Nitroaniline	NC	NC	NC		< 0.20	< 0.19
4-Nitroaniline	NC	NC	NC		< 0.20	< 0.19
2-Nitrophenol	NC	NC	NC		< 0.20	< 0.19
4-Nitrophenol	NC	NC	NC		< 0.39	< 0.38
Nitrobenzene	0.26	0.26	0.26		< 0.039	< 0.038
N-Nitrosodi-n-propylamine	0.0018	0.0018	0.0018		< 0.039	< 0.038
N-Nitrosodimethylamine	NC	NC	NC		< 0.20	< 0.19
N-Nitrosodiphenylamine	1	1	1		< 0.039	< 0.038
2, 2'-oxybis(1-Chloropropane)	NC	NC	NC		< 0.20	< 0.19
Pentachlorophenol	0.02	0.02	0.02		< 0.039	< 0.038
Phenol	100	100	100		< 0.20	< 0.19
Pyridine	NC	NC	NC		< 0.79	< 0.77
1,2,4-Trichlorobenzene	5	5	5		< 0.20	< 0.19
2,4,5-Trichlorophenol	26	26	26		< 0.20	< 0.19
2,4,6-Trichlorophenol	0.66	0.66	0.66		< 0.20	< 0.19

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2b
Soil Analytical Results
SVOCs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-7	SB-8
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/5/2021	3/5/2021
				Depth (ft)	3-5	3-5
SVOCs						
Aniline	NC	NC	NC		< 0.40	< 0.36
Benzidine	NC	NC	NC		< 0.40	< 0.36
Benzoic acid	400	400	400		< 1.0	< 0.90
Benzyl alcohol	NC	NC	NC		< 0.20	< 0.18
Bis(2-chloroethoxy)methane	NC	NC	NC		< 0.20	< 0.18
Bis(2-chloroethyl)ether	0.66	0.66	0.66		< 0.20	< 0.18
Bis(2-ethylhexyl)phthalate	46	46	46		< 1.0	< 0.90
4-Bromophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.18
Butyl benzyl phthalate	930	930	930		< 0.20	0.52
Carbazole	0.6	0.6	0.6		< 0.20	< 0.18
4-Chloroaniline	0.7	0.7	0.7		< 0.20	< 0.18
4-Chloro-3-methylphenol	NC	NC	NC		< 0.40	< 0.36
2-Chloronaphthalene	NC	NC	NC		< 0.20	< 0.18
2-Chlorophenol	1.5	1.5	1.5		< 0.20	< 0.18
4-Chlorophenyl phenyl ether	NC	NC	NC		< 0.20	< 0.18
Dibenzofuran	NC	NC	NC		< 0.20	< 0.18
1,2-Dichlorobenzene	17	17	17		< 0.20	< 0.18
1,3-Dichlorobenzene	NC	NC	NC		< 0.20	< 0.18
1,4-Dichlorobenzene	2	2	2		< 0.20	< 0.18
3,3´-Dichlorobenzidine	1.3	1.3	1.3		< 0.20	< 0.18
2,4-Dichlorophenol	0.48	0.48	0.48		< 0.20	< 0.18
Diethyl phthalate	470	470	470		< 0.20	< 0.18
2,4-Dimethylphenol	9	9	9		< 0.20	< 0.18
Dimethyl phthalate	NC	NC	NC		< 0.20	< 0.18
4,6-Dinitro-2-methylphenol	NC	NC	NC		< 0.40	< 0.36
2,4-Dinitrophenol	3.3	3.3	3.3		< 1.0	< 0.90
2,4-Dinitrotoluene	0.25	0.25	0.25		< 0.040	< 0.036
2,6-Dinitrotoluene	0.26	0.26	0.26		< 0.040	< 0.036
Di-n-butyl phthalate	2,300	2,300	2,300		< 0.20	< 0.18
Di-n-octyl phthalate	1,600	1,600	1,600		< 0.20	< 0.18
Hexachlorobenzene	0.4	0.4	0.4		< 0.20	< 0.18
Hexachlorobutadiene	NC	NC	NC		< 0.20	< 0.18
Hexachlorocyclopentadiene	1.1	1.1	1.1		< 0.20	< 0.18
Hexachloroethane	0.5	0.5	0.5		< 0.20	< 0.18
Isophorone	8	8	8		< 0.20	< 0.18
2-Methylnaphthalene	NC	NC	NC		< 0.20	< 0.18
2-Methylphenol	15	15	15		< 0.20	< 0.18
4-Methylphenol	NC	NC	NC		< 0.20	< 0.18
2-Nitroaniline	NC	NC	NC		< 0.20	< 0.18
3-Nitroaniline	NC	NC	NC		< 0.20	< 0.18
4-Nitroaniline	NC	NC	NC		< 0.20	< 0.18
2-Nitrophenol	NC	NC	NC		< 0.20	< 0.18
4-Nitrophenol	NC	NC	NC		< 0.40	< 0.36
Nitrobenzene	0.26	0.26	0.26		< 0.040	< 0.036
N-Nitrosodi-n-propylamine	0.0018	0.0018	0.0018		< 0.040	< 0.036
N-Nitrosodimethylamine	NC	NC	NC		< 0.20	< 0.18
N-Nitrosodiphenylamine	1	1	1		< 0.040	< 0.036
2, 2'-oxybis(1-Chloropropane)	NC	NC	NC		< 0.20	< 0.18
Pentachlorophenol	0.02	0.02	0.02		< 0.040	< 0.036
Phenol	100	100	100		< 0.20	< 0.18
Pyridine	NC	NC	NC		< 0.81	< 0.72
1,2,4-Trichlorobenzene	5	5	5		< 0.20	< 0.18
2,4,5-Trichlorophenol	26	26	26		< 0.20	< 0.18
2,4,6-Trichlorophenol	0.66	0.66	0.66		< 0.20	< 0.18

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2c
Soil Analytical Results
PNAs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values				Sample	SB-1	SB-2	SB-4	SB-5
	Populated MSA[4]	*City of Chicago*[5]	*Populated Non-MSA*[6]	*Non-Populated*[7]	**Date**	3/8/2021	3/8/2021	3/8/2021	3/8/2021
					Depth (ft)	3-5	3-5	3-5	3-5
PNAs									
Acenaphthene	570	570	570	570		< 0.038	< 0.041	< 0.038	< 0.039
Acenaphthylene	NC	NC	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039
Anthracene	12,000	12,000	12,000	12,000		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(a)anthracene	1.8	1.1	0.9	0.9		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(a)pyrene	2.1	1.3	0.98	0.09		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(b)fluoranthene	2.1	1.5	0.9	0.9		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(g,h,i)perylene	NC	NC	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039
Benzo(k)fluoranthene	9	9	9	9		< 0.038	< 0.041	< 0.038	< 0.039
Chrysene	88	88	88	88		< 0.038	< 0.041	< 0.038	< 0.039
Dibenzo(a,h)anthracene	0.42	0.2	0.15	0.09		< 0.038	< 0.041	< 0.038	< 0.039
Fluoranthene	3,100	3,100	3,100	3,100		< 0.038	< 0.041	< 0.038	< 0.039
Fluorene	560	560	560	560		< 0.038	< 0.041	< 0.038	< 0.039
Indeno(1,2,3-cd)pyrene	1.6	0.9	0.9	0.9		< 0.038	< 0.041	< 0.038	< 0.039
Naphthalene	1.8	1.8	1.8	1.8		< 0.038	< 0.041	< 0.038	< 0.039
Phenanthrene	NC	NC	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039
Pyrene	2,300	2,300	2,300	2,300		< 0.038	< 0.041	< 0.038	< 0.039

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Populated MSA = populated area in a MSA excluding Chicago
5. City of Chicago = Chicago corporate limits
6. Populated Non-MSA = populated area in a non-MSA county
7. Non-Populated = outside a populated area
8. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Populated Metropolitan Statistical Areas (MSA) County MAC Values.
Italicized	Sample result above CCDD City of Chicago MAC Values.
Bold	Sample result above CCDD Populated Non-MSA County MAC Values.
Bold Italicized	Sample result above CCDD Non-Populated Area MAC Values.

TABLE 2c
Soil Analytical Results
PNAs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values				Sample	SB-6	SB-7	SB-8
	Populated MSA[4]	*City of Chicago*[5]	*Populated Non-MSA*[6]	*Non-Populated*[7]	**Date**	3/8/2021	3/5/2021	3/5/2021
					Depth (ft)	3-5	3-5	3-5
PNAs								
Acenaphthene	570	570	570	570		< 0.038	< 0.040	0.043
Acenaphthylene	NC	NC	NC	NC		< 0.038	< 0.040	< 0.036
Anthracene	12,000	12,000	12,000	12,000		< 0.038	< 0.040	0.12
Benzo(a)anthracene	1.8	1.1	0.9	0.9		< 0.038	< 0.040	0.52
Benzo(a)pyrene	2.1	1.3	0.98	0.09		< 0.038	< 0.040	***0.59***
Benzo(b)fluoranthene	2.1	1.5	0.9	0.9		< 0.038	< 0.040	0.64
Benzo(g,h,i)perylene	NC	NC	NC	NC		< 0.038	< 0.040	0.46
Benzo(k)fluoranthene	9	9	9	9		< 0.038	< 0.040	0.51
Chrysene	88	88	88	88		< 0.038	< 0.040	0.67
Dibenzo(a,h)anthracene	0.42	0.2	0.15	0.09		< 0.038	< 0.040	**0.19**
Fluoranthene	3,100	3,100	3,100	3,100		< 0.038	< 0.040	1.2
Fluorene	560	560	560	560		< 0.038	< 0.040	0.065
Indeno(1,2,3-cd)pyrene	1.6	0.9	0.9	0.9		< 0.038	< 0.040	0.4
Naphthalene	1.8	1.8	1.8	1.8		< 0.038	< 0.040	< 0.036
Phenanthrene	NC	NC	NC	NC		< 0.038	< 0.040	0.66
Pyrene	2,300	2,300	2,300	2,300		< 0.038	< 0.040	0.96

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Populated MSA = populated area in a MSA excluding Chicago
5. City of Chicago = Chicago corporate limits
6. Populated Non-MSA = populated area in a non-MSA county
7. Non-Populated = outside a populated area
8. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Populated Metropolitan Statistical Areas (MSA) County MAC Values.
Italicized	Sample result above CCDD City of Chicago MAC Values.
Bold	Sample result above CCDD Populated Non-MSA County MAC Values.
Bold Italicized	Sample result above CCDD Non-Populated Area MAC Values.

TABLE 2d
Soil Analytical Results
Inorganics and pH Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-1	SB-2	SB-4	SB-5
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/8/2021	3/8/2021	3/8/2021
				Depth (ft)	3-5	3-5	3-5	3-5
Inorganics (mg/kg)								
Aluminum	NC	NC	NC		15000	16000	17000	15000
Antimony	5	5	5		< 2.1	< 2.3	< 2.3	< 2.0
Arsenic	13	13	11.3		6.3	***16***	***12***	11
Barium	1,500	1,500	1,500		100	230	120	100
Beryllium	22	22	22		0.72	0.96	0.85	0.78
Cadmium	5.2	5.2	5.2		< 0.53	< 0.58	< 0.57	< 0.50
Calcium	NC	NC	NC		84000	6700	95000	85000
Chromium	21	21	21		***26***	***27***	***27***	***26***
Cobalt	20	20	20		7.6	20	18	16
Copper	2,900	2,900	2,900		24	41	33	31
Cyanide	40	40	40		< 0.29	< 0.32	< 0.29	< 0.29
Iron	15,900	15,900	15,000		***26000***	***36000***	***33000***	***29000***
Lead	107	107	107		15	24	21	18
Magnesium	325,000	325,000	325,000		41000	8100	48000	40000
Manganese	636	636	630		300	***700***	***670***	630
Mercury (Total)	0.89	0.89	0.89		< 0.023	< 0.025	< 0.020	< 0.019
Mercury (Elemental)	0.1	0.1	0.1		NA	NA	NA	NA
Nickel	100	100	100		27	46	42	41
Potassium	NC	NC	NC		2900	1600	3100	3400
Selenium	1.3	1.3	1.3		< 1.1	< 1.2	< 1.1	< 1.0
Silver	4.4	4.4	4.4		< 1.1	< 1.2	< 1.1	< 1.0
Sodium	NC	NC	NC		1100	1400	1600	1600
Thallium	2.6	2.6	2.6		< 1.1	< 1.2	< 1.1	< 1.0
Vanadium	550	550	550		26	35	34	31
Zinc	5,100	5,100	5,100		59	86	68	67
pH	6.25-9.0				7.81	7.43	7.82	7.97

NOTES

1. NC = No toxicity criteria for this exposure route
2. NA = Not Analyzed
3. **Bold*** = Excluded under footnote m of the MAC Table
5. * = SCGW exposure route excluded under footnote "*m*" of TACO Section 742, Appendix B, Table B.

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2d
Soil Analytical Results
Inorganics and pH Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-6	SB-7	SB-8
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/5/2021	3/5/2021
				Depth (ft)	3-5	3-5	3-5
Inorganics (mg/kg)							
Aluminum	NC	NC	NC		16000	12000	3300
Antimony	5	5	5		< 2.0	< 2.1	< 1.9
Arsenic	13	13	11.3		10	8	***22***
Barium	1,500	1,500	1,500		96	160	28
Beryllium	22	22	22		0.83	0.69	< 0.47
Cadmium	5.2	5.2	5.2		< 0.50	< 0.52	< 0.47
Calcium	NC	NC	NC		68000	49000	150000
Chromium	21	21	21		***27***	18	15
Cobalt	20	20	20		15	13	4.9
Copper	2,900	2,900	2,900		28	20	27
Cyanide	40	40	40		< 0.29	< 0.30	< 0.27
Iron	15,900	15,900	15,000		***29000***	***23000***	***33000***
Lead	107	107	107		17	18	20
Magnesium	325,000	325,000	325,000		32000	29000	95000
Manganese	636	636	630		470	***1000***	470
Mercury (Total)	0.89	0.89	0.89		< 0.022	0.023	0.022
Mercury (Elemental)	0.1	0.1	0.1		NA	NA	NA
Nickel	100	100	100		39	23	14
Potassium	NC	NC	NC		3100	1900	1000
Selenium	1.3	1.3	1.3		< 1.0	1	< 0.95
Silver	4.4	4.4	4.4		< 1.0	< 1.0	< 0.95
Sodium	NC	NC	NC		1100	290	2800
Thallium	2.6	2.6	2.6		< 1.0	< 1.0	< 0.95
Vanadium	550	550	550		31	34	13
Zinc	5,100	5,100	5,100		63	77	66
pH	6.25-9.0				8.02	7.98	8.68

NOTES

1. NC = No toxicity criteria for this exposure route
2. NA = Not Analyzed
3. **Bold*** = Excluded under footnote m of the MAC Table
5. * = SCGW exposure route excluded under footnote "*m*" of TACO Section 742, Appendix B, Table B.

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2e
Soil Analytical Results
Pesticides and PCBs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-1	SB-2	SB-4	SB-5
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/8/2021	3/8/2021	3/8/2021
				Depth (ft)	3-5	3-5	3-5	3-5
				pH	7.81	7.43	7.82	7.97
Pesticides								
4,4´-DDD	3	3	3		< 0.0019	< 0.0020	< 0.0018	< 0.0019
4,4´-DDE	2	2	2		< 0.0019	< 0.0020	< 0.0018	< 0.0019
4,4´-DDT	2	2	2		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Aldrin	0.94	0.94	0.94		< 0.0019	< 0.0020	< 0.0018	< 0.0019
alpha-BHC	0.0074	0.0074	0.0074		< 0.0019	< 0.0020	< 0.0018	< 0.0019
alpha-Chlordane	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
beta-BHC	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Chlordane	1.8	1.8	1.8		< 0.019	< 0.020	< 0.018	< 0.019
delta-BHC	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Dieldrin	0.603	0.603	0.603		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endosulfan I	18	18	18		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endosulfan II	18	18	18		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endosulfan sulfate	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endrin	1	1	1		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endrin aldehyde	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Endrin ketone	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
gamma-BHC	0.009	0.009	0.009		< 0.0019	< 0.0020	< 0.0018	< 0.0019
gamma-Chlordane	NC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Heptachlor	0.871	0.871	0.871		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Heptachlor epoxide	1.005	1.005	1.005		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Methoxychlor	160	160	160		< 0.0019	< 0.0020	< 0.0018	< 0.0019
Toxaphene	0.6	0.6	0.6		< 0.038	< 0.042	< 0.038	< 0.039
PCBs								
Aroclor 1016	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1221	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1232	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1242	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1248	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1254	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Aroclor 1260	NC	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094
Total PCBs	1	1	1		ND	ND	ND	ND

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. ND = Not Detected at the reporting limit
5. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 2e
Soil Analytical Results
Pesticides and PCBs Compared to CCDD MAC Values
Bowman 75th Street Improvements
DuPage County, Illinois

	CCDD MAC Values			Sample	SB-6	SB-7	SB-8
	MSA County	*City of Chicago*	*Non-MSA County*	**Date**	3/8/2021	3/5/2021	3/5/2021
				Depth (ft)	3-5	3-5	3-5
				pH	8.02	7.98	8.68
Pesticides							
4,4´-DDD	3	3	3		< 0.0018	< 0.0019	< 0.0017
4,4´-DDE	2	2	2		< 0.0018	< 0.0019	< 0.0017
4,4´-DDT	2	2	2		< 0.0018	< 0.0019	< 0.0017
Aldrin	0.94	0.94	0.94		< 0.0018	< 0.0019	< 0.0017
alpha-BHC	0.0074	0.0074	0.0074		< 0.0018	< 0.0019	< 0.0017
alpha-Chlordane	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
beta-BHC	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Chlordane	1.8	1.8	1.8		< 0.018	< 0.019	< 0.017
delta-BHC	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Dieldrin	0.603	0.603	0.603		< 0.0018	< 0.0019	< 0.0017
Endosulfan I	18	18	18		< 0.0018	< 0.0019	< 0.0017
Endosulfan II	18	18	18		< 0.0018	< 0.0019	< 0.0017
Endosulfan sulfate	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Endrin	1	1	1		< 0.0018	< 0.0019	< 0.0017
Endrin aldehyde	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Endrin ketone	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
gamma-BHC	0.009	0.009	0.009		< 0.0018	< 0.0019	< 0.0017
gamma-Chlordane	NC	NC	NC		< 0.0018	< 0.0019	< 0.0017
Heptachlor	0.871	0.871	0.871		< 0.0018	< 0.0019	< 0.0017
Heptachlor epoxide	1.005	1.005	1.005		< 0.0018	< 0.0019	< 0.0017
Methoxychlor	160	160	160		< 0.0018	< 0.0019	< 0.0017
Toxaphene	0.6	0.6	0.6		< 0.038	< 0.040	< 0.036
PCBs							
Aroclor 1016	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1221	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1232	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1242	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1248	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1254	NC	NC	NC		< 0.091	< 0.096	< 0.086
Aroclor 1260	NC	NC	NC		< 0.091	< 0.096	< 0.086
Total PCBs	1	1	1		ND	ND	ND

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. ND = Not Detected at the reporting limit
5. Metropolitan Statistical Areas (MSA) as defined in Board Note, 35 IAC 742. Appendix A, Table G)

Bold Italicized	Sample result above CCDD Metropolitan Statistical Areas (MSA) County MAC Values.
Bold	Sample result above CCDD City of Chicago MAC Values.
Bold Italicized	Sample result above CCDD Non-MSA County MAC Values.

TABLE 3

Soil Analytical Results Compared to Construction Worker SROs

TABLE 3a
Soil Analytical Results
VOCs Compared to Construction Worker SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	CONSTRUCTION WORKER		Sample	SB-1	SB-2	SB-4	SB-5
			Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	Depth (ft)	3-5	3-5	3-5	3-5
VOCs							
Acetone	NC	100,000		< 0.076	< 0.097	< 0.072	< 0.078
Benzene	2,300	2.2		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromodichloromethane	2,000	3,000		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromoform	16,000	140		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Bromomethane	1,000	3.9		< 0.010	< 0.013	< 0.0096	< 0.010
2-Butanone	NC	NC		< 0.076	< 0.097	< 0.072	< 0.078
Carbon disulfide	20,000	9		< 0.050	< 0.065	< 0.048	< 0.052
Carbon tetrachloride	410	0.9		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chlorobenzene	4,100	1.3		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chloroethane	NC	NC		< 0.010	< 0.013	< 0.0096	< 0.010
Chloroform	2,000	0.76		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Chloromethane	NC	NC		< 0.010	< 0.013	< 0.0096	< 0.010
Dibromochloromethane	41,000	1,300		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1-Dichloroethane	200,000	130		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,2-Dichloroethane	1,400	0.99		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1-Dichloroethene	10,000	3		< 0.0050	< 0.0065	< 0.0048	< 0.0052
cis-1,2-Dichloroethene	20,000	1,200		< 0.0050	< 0.0065	< 0.0048	< 0.0052
trans-1,2-Dichloroethene	41,000	3,100		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,2-Dichloropropane	1,800	0.5		< 0.0050	< 0.0065	< 0.0048	< 0.0052
cis-1,3-Dichloropropene	1,200	0.39		< 0.0020	< 0.0026	< 0.0019	< 0.0021
trans-1,3-Dichloropropene	1,200	0.39		< 0.0020	< 0.0026	< 0.0019	< 0.0021
Ethylbenzene	20,000	58		< 0.0050	< 0.0065	< 0.0048	< 0.0052
2-Hexanone	NC	NC		< 0.020	< 0.026	< 0.019	< 0.021
4-Methyl-2-pentanone	NC	NC		< 0.020	< 0.026	< 0.019	< 0.021
Methylene chloride	12,000	34		< 0.010	< 0.013	< 0.0096	< 0.010
Methyl tert-butyl ether	2,000	140		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Styrene	41,000	430		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,2,2-Tetrachloroethane	NC	NC		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Tetrachloroethene	2,400	28		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Toluene	410,000	42		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,1-Trichloroethane	NC	1,200		< 0.0050	< 0.0065	< 0.0048	< 0.0052
1,1,2-Trichloroethane	8,200	1,800		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Trichloroethene	1,200	12		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Vinyl chloride	170	1.1		< 0.0050	< 0.0065	< 0.0048	< 0.0052
Xylenes, Total	41,000	5.6		< 0.015	< 0.019	< 0.014	< 0.016

NOTES
1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 3a
Soil Analytical Results
VOCs Compared to Construction Worker SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	CONSTRUCTION WORKER		Sample	SB-6	SB-7	SB-8
			Date	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	Depth (ft)	3-5	3-5	3-5
VOCs						
Acetone	NC	100,000		< 0.071	< 0.082	< 0.077
Benzene	2,300	2.2		< 0.0047	< 0.0054	< 0.0051
Bromodichloromethane	2,000	3,000		< 0.0047	< 0.0054	< 0.0051
Bromoform	16,000	140		< 0.0047	< 0.0054	< 0.0051
Bromomethane	1,000	3.9		< 0.0095	< 0.011	< 0.010
2-Butanone	NC	NC		< 0.071	< 0.082	< 0.077
Carbon disulfide	20,000	9		< 0.047	< 0.054	< 0.051
Carbon tetrachloride	410	0.9		< 0.0047	< 0.0054	< 0.0051
Chlorobenzene	4,100	1.3		< 0.0047	< 0.0054	< 0.0051
Chloroethane	NC	NC		< 0.0095	< 0.011	< 0.010
Chloroform	2,000	0.76		< 0.0047	< 0.0054	< 0.0051
Chloromethane	NC	NC		< 0.0095	< 0.011	< 0.010
Dibromochloromethane	41,000	1,300		< 0.0047	< 0.0054	< 0.0051
1,1-Dichloroethane	200,000	130		< 0.0047	< 0.0054	< 0.0051
1,2-Dichloroethane	1,400	0.99		< 0.0047	< 0.0054	< 0.0051
1,1-Dichloroethene	10,000	3		< 0.0047	< 0.0054	< 0.0051
cis-1,2-Dichloroethene	20,000	1,200		< 0.0047	< 0.0054	< 0.0051
trans-1,2-Dichloroethene	41,000	3,100		< 0.0047	< 0.0054	< 0.0051
1,2-Dichloropropane	1,800	0.5		< 0.0047	< 0.0054	< 0.0051
cis-1,3-Dichloropropene	1,200	0.39		< 0.0019	< 0.0022	< 0.0021
trans-1,3-Dichloropropene	1,200	0.39		< 0.0019	< 0.0022	< 0.0021
Ethylbenzene	20,000	58		< 0.0047	< 0.0054	< 0.0051
2-Hexanone	NC	NC		< 0.019	< 0.022	< 0.021
4-Methyl-2-pentanone	NC	NC		< 0.019	< 0.022	< 0.021
Methylene chloride	12,000	34		< 0.0095	< 0.011	< 0.010
Methyl tert-butyl ether	2,000	140		< 0.0047	< 0.0054	< 0.0051
Styrene	41,000	430		< 0.0047	< 0.0054	< 0.0051
1,1,2,2-Tetrachloroethane	NC	NC		< 0.0047	< 0.0054	< 0.0051
Tetrachloroethene	2,400	28		< 0.0047	< 0.0054	< 0.0051
Toluene	410,000	42		< 0.0047	< 0.0054	< 0.0051
1,1,1-Trichloroethane	NC	1,200		< 0.0047	< 0.0054	< 0.0051
1,1,2-Trichloroethane	8,200	1,800		< 0.0047	< 0.0054	< 0.0051
Trichloroethene	1,200	12		< 0.0047	< 0.0054	< 0.0051
Vinyl chloride	170	1.1		< 0.0047	< 0.0054	< 0.0051
Xylenes, Total	41,000	5.6		< 0.014	< 0.017	< 0.015

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 3b
Soil Analytical Results
SVOCs Compared to Construction Worker SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	CONSTRUCTION WORKER		Sample	SB-1	SB-2	SB-4	SB-5
			Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021
	Ingestion	*Inhalation*	Depth (ft)	3-5	3-5	3-5	3-5
SVOCs							
Aniline	NC	NC		< 0.39	< 0.42	< 0.39	< 0.39
Benzidine	NC	NC		< 0.38	< 0.41	< 0.38	< 0.39
Benzoic acid	820,000	NC		< 0.96	< 1.0	< 0.97	< 0.98
Benzyl alcohol	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
Bis(2-chloroethoxy)methane	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
Bis(2-chloroethyl)ether	75	0.66		< 0.20	< 0.21	< 0.20	< 0.20
Bis(2-ethylhexyl)phthalate	4,100	31,000		< 0.96	< 1.0	< 0.97	< 0.98
4-Bromophenyl phenyl ether	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
Butyl benzyl phthalate	410,000	930		< 0.20	< 0.21	< 0.20	< 0.20
Carbazole	6,200	NC		< 0.20	< 0.21	< 0.20	< 0.20
4-Chloroaniline	820	NC		< 0.20	< 0.21	< 0.20	< 0.20
4-Chloro-3-methylphenol	NC	NC		< 0.38	< 0.41	< 0.38	< 0.39
2-Chloronaphthalene	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
2-Chlorophenol	10,000	53,000		< 0.20	< 0.21	< 0.20	< 0.20
4-Chlorophenyl phenyl ether	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
Dibenzofuran	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
1,2-Dichlorobenzene	18,000	310		< 0.20	< 0.21	< 0.20	< 0.20
1,3-Dichlorobenzene	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
1,4-Dichlorobenzene	NC	340		< 0.20	< 0.21	< 0.20	< 0.20
3,3´-Dichlorobenzidine	280	NC		< 0.20	< 0.21	< 0.20	< 0.20
2,4-Dichlorophenol	610	NC		< 0.20	< 0.21	< 0.20	< 0.20
Diethyl phthalate	1,000,000	2,000		< 0.20	< 0.21	< 0.20	< 0.20
2,4-Dimethylphenol	41,000	NC		< 0.20	< 0.21	< 0.20	< 0.20
Dimethyl phthalate	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
4,6-Dinitro-2-methylphenol	NC	NC		< 0.38	< 0.41	< 0.38	< 0.39
2,4-Dinitrophenol	410	NC		< 0.96	< 1.0	< 0.97	< 0.98
2,4-Dinitrotoluene	180	NC		< 0.038	< 0.041	< 0.038	< 0.039
2,6-Dinitrotoluene	180	NC		< 0.038	< 0.041	< 0.038	< 0.039
Di-n-butyl phthalate	200,000	2,300		< 0.20	< 0.21	< 0.20	< 0.20
Di-n-octyl phthalate	4,100	10,000		< 0.20	< 0.21	< 0.20	< 0.20
Hexachlorobenzene	78	2.6		< 0.20	< 0.21	< 0.20	< 0.20
Hexachlorobutadiene	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
Hexachlorocyclopentadiene	14,000	1.1		< 0.20	< 0.21	< 0.20	< 0.20
Hexachloroethane	2,000	NC		< 0.20	< 0.21	< 0.20	< 0.20
Isophorone	410,000	4,600		< 0.20	< 0.21	< 0.20	< 0.20
2-Methylnaphthalene	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
2-Methylphenol	100,000	NC		< 0.20	< 0.21	< 0.20	< 0.20
4-Methylphenol	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
2-Nitroaniline	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
3-Nitroaniline	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
4-Nitroaniline	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
2-Nitrophenol	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
4-Nitrophenol	NC	NC		< 0.38	< 0.41	< 0.38	< 0.39
Nitrobenzene	1,000	9.4		< 0.038	< 0.041	< 0.038	< 0.039
N-Nitrosodi-n-propylamine	18	NC		< 0.038	< 0.041	< 0.038	< 0.039
N-Nitrosodimethylamine	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
N-Nitrosodiphenylamine	25,000	NC		< 0.038	< 0.041	< 0.038	< 0.039
2, 2'-oxybis(1-Chloropropane)	NC	NC		< 0.20	< 0.21	< 0.20	< 0.20
Pentachlorophenol	520	NC		< 0.038	< 0.041	< 0.038	< 0.039
Phenol	61,000	NC		< 0.20	< 0.21	< 0.20	< 0.20
Pyridine	NC	NC		< 0.78	< 0.84	< 0.78	< 0.79
1,2,4-Trichlorobenzene	2,000	920		< 0.20	< 0.21	< 0.20	< 0.20
2,4,5-Trichlorophenol	200,000	NC		< 0.20	< 0.21	< 0.20	< 0.20
2,4,6-Trichlorophenol	11,000	540		< 0.20	< 0.21	< 0.20	< 0.20

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 3b
Soil Analytical Results
SVOCs Compared to Construction Worker SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	CONSTRUCTION WORKER		Sample	SB-6	SB-7	SB-8
			Date	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	Depth (ft)	3-5	3-5	3-5
SVOCs						
Aniline	NC	NC		< 0.38	< 0.40	< 0.36
Benzidine	NC	NC		< 0.38	< 0.40	< 0.36
Benzoic acid	820,000	NC		< 0.95	< 1.0	< 0.90
Benzyl alcohol	NC	NC		< 0.19	< 0.20	< 0.18
Bis(2-chloroethoxy)methane	NC	NC		< 0.19	< 0.20	< 0.18
Bis(2-chloroethyl)ether	75	0.66		< 0.19	< 0.20	< 0.18
Bis(2-ethylhexyl)phthalate	4,100	31,000		< 0.95	< 1.0	< 0.90
4-Bromophenyl phenyl ether	NC	NC		< 0.19	< 0.20	< 0.18
Butyl benzyl phthalate	410,000	930		< 0.19	< 0.20	0.52
Carbazole	6,200	NC		< 0.19	< 0.20	< 0.18
4-Chloroaniline	820	NC		< 0.19	< 0.20	< 0.18
4-Chloro-3-methylphenol	NC	NC		< 0.38	< 0.40	< 0.36
2-Chloronaphthalene	NC	NC		< 0.19	< 0.20	< 0.18
2-Chlorophenol	10,000	53,000		< 0.19	< 0.20	< 0.18
4-Chlorophenyl phenyl ether	NC	NC		< 0.19	< 0.20	< 0.18
Dibenzofuran	NC	NC		< 0.19	< 0.20	< 0.18
1,2-Dichlorobenzene	18,000	310		< 0.19	< 0.20	< 0.18
1,3-Dichlorobenzene	NC	NC		< 0.19	< 0.20	< 0.18
1,4-Dichlorobenzene	NC	340		< 0.19	< 0.20	< 0.18
3,3´-Dichlorobenzidine	280	NC		< 0.19	< 0.20	< 0.18
2,4-Dichlorophenol	610	NC		< 0.19	< 0.20	< 0.18
Diethyl phthalate	1,000,000	2,000		< 0.19	< 0.20	< 0.18
2,4-Dimethylphenol	41,000	NC		< 0.19	< 0.20	< 0.18
Dimethyl phthalate	NC	NC		< 0.19	< 0.20	< 0.18
4,6-Dinitro-2-methylphenol	NC	NC		< 0.38	< 0.40	< 0.36
2,4-Dinitrophenol	410	NC		< 0.95	< 1.0	< 0.90
2,4-Dinitrotoluene	180	NC		< 0.038	< 0.040	< 0.036
2,6-Dinitrotoluene	180	NC		< 0.038	< 0.040	< 0.036
Di-n-butyl phthalate	200,000	2,300		< 0.19	< 0.20	< 0.18
Di-n-octyl phthalate	4,100	10,000		< 0.19	< 0.20	< 0.18
Hexachlorobenzene	78	2.6		< 0.19	< 0.20	< 0.18
Hexachlorobutadiene	NC	NC		< 0.19	< 0.20	< 0.18
Hexachlorocyclopentadiene	14,000	1.1		< 0.19	< 0.20	< 0.18
Hexachloroethane	2,000	NC		< 0.19	< 0.20	< 0.18
Isophorone	410,000	4,600		< 0.19	< 0.20	< 0.18
2-Methylnaphthalene	NC	NC		< 0.19	< 0.20	< 0.18
2-Methylphenol	100,000	NC		< 0.19	< 0.20	< 0.18
4-Methylphenol	NC	NC		< 0.19	< 0.20	< 0.18
2-Nitroaniline	NC	NC		< 0.19	< 0.20	< 0.18
3-Nitroaniline	NC	NC		< 0.19	< 0.20	< 0.18
4-Nitroaniline	NC	NC		< 0.19	< 0.20	< 0.18
2-Nitrophenol	NC	NC		< 0.19	< 0.20	< 0.18
4-Nitrophenol	NC	NC		< 0.38	< 0.40	< 0.36
Nitrobenzene	1,000	9.4		< 0.038	< 0.040	< 0.036
N-Nitrosodi-n-propylamine	18	NC		< 0.038	< 0.040	< 0.036
N-Nitrosodimethylamine	NC	NC		< 0.19	< 0.20	< 0.18
N-Nitrosodiphenylamine	25,000	NC		< 0.038	< 0.040	< 0.036
2, 2'-oxybis(1-Chloropropane)	NC	NC		< 0.19	< 0.20	< 0.18
Pentachlorophenol	520	NC		< 0.038	< 0.040	< 0.036
Phenol	61,000	NC		< 0.19	< 0.20	< 0.18
Pyridine	NC	NC		< 0.77	< 0.81	< 0.72
1,2,4-Trichlorobenzene	2,000	920		< 0.19	< 0.20	< 0.18
2,4,5-Trichlorophenol	200,000	NC		< 0.19	< 0.20	< 0.18
2,4,6-Trichlorophenol	11,000	540		< 0.19	< 0.20	< 0.18

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 3c
Soil Analytical Results
PNAs Compared to Construction Worker SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	CONSTRUCTION WORKER		Sample	SB-1	SB-2	SB-4	SB-5	SB-6	SB-7	SB-8
			Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	Depth (ft)	3-5	3-5	3-5	3-5	3-5	3-5	3-5
PNAs										
Acenaphthene	120,000	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.043
Acenaphthylene	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	< 0.036
Anthracene	610,000	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.12
Benzo(a)anthracene	170	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.52
Benzo(a)pyrene	17	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.59
Benzo(b)fluoranthene	170	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.64
Benzo(g,h,i)perylene	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.46
Benzo(k)fluoranthene	1,700	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.51
Chrysene	17,000	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.67
Dibenzo(a,h)anthracene	17	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.19
Fluoranthene	82,000	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	1.2
Fluorene	82,000	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.065
Indeno(1,2,3-cd)pyrene	170	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.4
Naphthalene	4,100	1.8		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	< 0.036
Phenanthrene	NC	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.66
Pyrene	61,000	NC		< 0.038	< 0.041	< 0.038	< 0.039	< 0.038	< 0.040	0.96

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Bold Shaded Values = Exceeds TACO Tier 1 SRO

TABLE 3d
Soil Analytical Results
Inorganics and pH Compared to Construction Worker SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	CONSTRUCTION WORKER		Sample	SB-1	SB-2	SB-4	SB-5	SB-6	SB-7	SB-8
			Date	3/8/2021	3/8/2021	3/8/2021	3/8/2021	3/8/2021	3/5/2021	3/5/2021
	Ingestion	*Inhalation*	Depth (ft)	3-5	3-5	3-5	3-5	3-5	3-5	3-5
Inorganics (mg/kg)										
Antimony	82	NC		< 2.1	< 2.3	< 2.3	< 2.0	< 2.0	< 2.1	< 1.9
Arsenic	61	25,000		6.3	16	12	11	10	8	22
Barium	14,000	870,000		100	230	120	100	96	160	28
Beryllium	410	44,000		0.72	0.96	0.85	0.78	0.83	0.69	< 0.47
Cadmium	200	59,000		< 0.53	< 0.58	< 0.57	< 0.50	< 0.50	< 0.52	< 0.47
Calcium	NC	NC		84000	6700	95000	85000	68000	49000	150000
Chromium	4,100	690		26	27	27	26	27	18	15
Cobalt	12,000	NC		7.6	20	18	16	15	13	4.9
Copper	8,200	NC		24	41	33	31	28	20	27
Cyanide	4,100	NC		< 0.29	< 0.32	< 0.29	< 0.29	< 0.29	< 0.30	< 0.27
Iron	NC	NC		26000	36000	33000	29000	29000	23000	33000
Lead	700	NC		15	24	21	18	17	18	20
Magnesium	730,000	NC		41000	8100	48000	40000	32000	29000	95000
Manganese	4,100	8,700		300	700	670	630	470	1000	470
Mercury (Total)[c]	61	0.1		< 0.023	< 0.025	< 0.020	< 0.019	< 0.022	0.023	0.022
Nickel	4,100	440,000		27	46	42	41	39	23	14
Potassium	NC	NC		2900	1600	3100	3400	3100	1900	1000
Selenium	1,000	NC		< 1.1	< 1.2	< 1.1	< 1.0	< 1.0	1	< 0.95
Silver	1,000	NC		< 1.1	< 1.2	< 1.1	< 1.0	< 1.0	< 1.0	< 0.95
Sodium	NC	NC		1100	1400	1600	1600	1100	290	2800
Thallium	160	NC		< 1.1	< 1.2	< 1.1	< 1.0	< 1.0	< 1.0	< 0.95
Vanadium	1,400	NC		26	35	34	31	31	34	13
Zinc	61,000	NC		59	86	68	67	63	77	66
pH	NC	NC		7.81	7.43	7.82	7.97	8.02	7.98	8.68

NOTES

1. Total Metal results expressed in milligrams per kilogram (mg/kg). TCLP/SPLP results expressed in milligrams per kilogram (mg/L).
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. Bold Shaded Values = Exceeds TACO Tier 1 SRO
5. [c] = Inhalation Exposure Routes for Mercury excluded under footnote s of the TACO Appendix B Table B of Section 742. Inhalation remediation objective only applies at sites where elemental mercury is a contaminant of concern.

TABLE 3e
Soil Analytical Results
PCBs Compared to Construction Worker SROs
Bowman 75th Street Improvements
DuPage County, Illinois

	CONSTRUCTION WORKER		Sample Date	SB-1 3/8/2021	SB-2 3/8/2021	SB-4 3/8/2021	SB-5 3/8/2021	SB-6 3/8/2021	SB-7 3/5/2021	SB-8 3/5/2021
	Ingestion	*Inhalation*	Depth (ft)	3-5	3-5	3-5	3-5	3-5	3-5	3-5
Pesticides										
4,4´-DDD	520	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
4,4´-DDE	370	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
4,4´-DDT	100	2,100		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Aldrin	6.1	9.3		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
alpha-BHC	20	2.1		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
alpha-Chlordane	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
beta-BHC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Chlordane	100	22		< 0.019	< 0.020	< 0.018	< 0.019	< 0.018	< 0.019	< 0.017
delta-BHC	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Dieldrin	7.8	3.1		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Endosulfan I	1,200	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Endosulfan II	1,200	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Endosulfan sulfate	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Endrin	61	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Endrin aldehyde	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Endrin ketone	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
gamma-BHC	96	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
gamma-Chlordane	NC	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Heptachlor	28	16		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Heptachlor epoxide	2.7	13		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Methoxychlor	1,000	NC		< 0.0019	< 0.0020	< 0.0018	< 0.0019	< 0.0018	< 0.0019	< 0.0017
Toxaphene	110	240		< 0.038	< 0.042	< 0.038	< 0.039	< 0.038	< 0.040	< 0.036
PCBs										
Aroclor 1016	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094	< 0.091	< 0.096	< 0.086
Aroclor 1221	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094	< 0.091	< 0.096	< 0.086
Aroclor 1232	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094	< 0.091	< 0.096	< 0.086
Aroclor 1242	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094	< 0.091	< 0.096	< 0.086
Aroclor 1248	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094	< 0.091	< 0.096	< 0.086
Aroclor 1254	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094	< 0.091	< 0.096	< 0.086
Aroclor 1260	NC	NC		< 0.093	< 0.10	< 0.092	< 0.094	< 0.091	< 0.096	< 0.086
Total PCBs	1	NC		ND	ND	ND	ND	ND	ND	ND

NOTES

1. All results expressed in milligrams per kilogram (mg/kg)
2. NC = No toxicity criteria for this exposure route
3. NA = Not Analyzed
4. ND = Not Detected at the reporting limit
5. Bold Shaded Values = Exceeds TACO Tier 1 SRO

APPENDICES

APPENDIX A **Soil Boring Logs**

APPENDIX B **Laboratory Analytical Reports**

APPENDIX A

Soil Boring Logs

BORING NUMBER SB-1

GSG

CLIENT Bowman
PROJECT NAME 75th Street Improvements
PROJECT NUMBER 21-1011
PROJECT LOCATION DuPage County, IL
DATE STARTED 3/8/21 **COMPLETED** 3/8/21
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR GSG Drilling
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe Dual-Tube (7822DT)
AT TIME OF DRILLING ---
LOGGED BY JB **CHECKED BY** Ted Cagney
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					12 inches of topsoil and organic material	PID = 0
					1.0 SILTY CLAY (CL/ML) - Brown	PID = 0
2.5	DT 1	100	Sample SB-1-1			PID = 0
						PID = 0
5.0						PID = 0
					6.0 SILTY CLAY, gray mottling (CL/ML) - Brown	PID = 0
7.5	DT 2	100				PID = 0
						PID = 0
10.0					10.0	PID = 0

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-2

GSG

CLIENT Bowman
PROJECT NAME 75th Street Improvements
PROJECT NUMBER 21-1011
PROJECT LOCATION DuPage County, IL
DATE STARTED 3/8/21 **COMPLETED** 3/8/21
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR GSG Drilling
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe Dual-Tube (7822DT)
AT TIME OF DRILLING ---
LOGGED BY JB **CHECKED BY** Ted Cagney
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					12 inches of topsoil and organic material	PID = 0
					1.0 SILTY CLAY, with sand (CL/ML) - Brown/Gray	PID = 0
2.5	DT 1	100	Sample SB-2-1			PID = 0
						PID = 0
						PID = 0
5.0						PID = 0
						PID = 0
7.5	DT 2	100				PID = 0
						PID = 0
						PID = 0
10.0					10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-4

GSG

CLIENT Bowman
PROJECT NAME 75th Street Improvements
PROJECT NUMBER 21-1011
PROJECT LOCATION DuPage County, IL
DATE STARTED 3/8/21 **COMPLETED** 3/8/21
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR GSG Drilling
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe Dual-Tube (7822DT)
AT TIME OF DRILLING ---
LOGGED BY JB **CHECKED BY** Ted Cagney
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					12 inches of topsoil and organic material	PID = 0
					1.0 SILTY CLAY, trace gravel, gray mottling (CL/ML) - Brown	PID = 0
2.5	DT 1	100	Sample SB-4-1			PID = 0
						PID = 0
5.0						PID = 0
						PID = 0
7.5	DT 2	100				PID = 0
						PID = 0
						PID = 0
10.0					10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-5

GSG

CLIENT Bowman
PROJECT NAME 75th Street Improvements
PROJECT NUMBER 21-1011
PROJECT LOCATION DuPage County, IL
DATE STARTED 3/8/21 **COMPLETED** 3/8/21
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR GSG Drilling
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe Dual-Tube (7822DT)
AT TIME OF DRILLING ---
LOGGED BY JB **CHECKED BY** Ted Cagney
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					12 inches of topsoil and organic material	PID = 0
					1.0 SILTY CLAY, trace sand (CL/ML) - Brown	PID = 0
2.5	DT 1	80	Sample SB-5-1			PID = 0
						PID = 0
5.0						PID = 0
						PID = 0
7.5	DT 2	90				PID = 0
						PID = 0
						PID = 0
10.0					10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-6

GSG

CLIENT Bowman
PROJECT NAME 75th Street Improvements
PROJECT NUMBER 21-1011
PROJECT LOCATION DuPage County, IL
DATE STARTED 3/8/21 **COMPLETED** 3/8/21
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR GSG Drilling
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe Dual-Tube (7822DT)
AT TIME OF DRILLING ---
LOGGED BY JB **CHECKED BY** Ted Cagney
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					12 inches of topsoil and organic material	PID = 0
					1.0 SILTY CLAY, trace sand, gray/brown mottling (CL/ML) - Gray/Brown	PID = 0
2.5	DT 1	100	Sample SB-5-1			PID = 0
						PID = 0
5.0						PID = 0
						PID = 0
7.5	DT 2	100				PID = 0
						PID = 0
						PID = 0
10.0					10.0	

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US.GDT - 3/22/21 16:16 - T:\BOWMAN\DUPAGE COUNTY\ENVIRONMENTAL\PSI\EXHIBITS\GINT\CREATE P2.GPJ

BORING NUMBER SB-7

GSG

CLIENT Bowman
PROJECT NAME 75th Street Improvements
PROJECT NUMBER 21-1011
PROJECT LOCATION DuPage County, IL
DATE STARTED 3/5/21 **COMPLETED** 3/5/21
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR GSG Drilling
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe Dual-Tube (7822DT)
AT TIME OF DRILLING ---
LOGGED BY JB **CHECKED BY** Ted Cagney
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0.3 3 inches of topsoil and organic material	
					SILTY CLAY, trace gravel (CL/ML) - Brown	PID = 0
						PID = 0
2.5	DT 1	100				PID = 0
			Sample SB-6-1			PID = 0
5.0						PID = 0
						PID = 0
						PID = 0
7.5	DT 2	100				PID = 0
						PID = 0
10.0					10.0	PID = 0

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-8

GSG

CLIENT Bowman
PROJECT NAME 75th Street Improvements
PROJECT NUMBER 21-1011
PROJECT LOCATION DuPage County, IL
DATE STARTED 3/5/21 **COMPLETED** 3/5/21
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR GSG Drilling
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe Dual-Tube (7822DT)
AT TIME OF DRILLING ---
LOGGED BY JB **CHECKED BY** Ted Cagney
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					0.3 3 inches of topsoil and organic material	
					FILL: SANDY GRAVEL, brown and black	PID = 0
						PID = 0
2.5	DT 1	100				PID = 0
			Groundwater encountered at 4 feet		4.0	PID = 0
					SILTY CLAY, with gravel and sand (CL/ML) - Brown	
			Sample SB-8-1			PID = 0
5.0						
						PID = 0
						PID = 0
7.5	DT 2	100				PID = 0
						PID = 0
						PID = 0
10.0					10.0	

Bottom of borehole at 10.0 feet.

APPENDIX B

Laboratory Analytical Reports

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

March 11, 2021

GSG Consultants, Inc.
2942 W. Van Buren St.
Chicago, IL 60612
Telephone: (312) 733-6262
Fax: (312) 733-5612

Analytical Report for STAT Work Order: 21030175 Revision 0

RE: 75th St Naperville Sampling

Dear GSG Consultants, Inc.:

STAT Analysis received 2 samples for the referenced project on 3/5/2021 11:57:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Justice Kwateng
Project Manager

STAT Analysis Corporation

Date: March 11, 2021

Client: GSG Consultants, Inc.
Project: 75th St Naperville Sampling
Work Order: 21030175 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
21030175-001A	SB-7		3/5/2021 10:00:00 AM	3/5/2021
21030175-001B	SB-7		3/5/2021 10:00:00 AM	3/5/2021
21030175-002A	SB-8		3/5/2021 10:10:00 AM	3/5/2021
21030175-002B	SB-8		3/5/2021 10:10:00 AM	3/5/2021

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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-001

Client Sample ID: SB-7
Collection Date: 3/5/2021 10:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **3/5/2021**		Analyst: **JDT**
Acetone	ND	0.082		mg/Kg-dry	1	3/6/2021
Benzene	ND	0.0054		mg/Kg-dry	1	3/6/2021
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	3/6/2021
Bromoform	ND	0.0054		mg/Kg-dry	1	3/6/2021
Bromomethane	ND	0.011		mg/Kg-dry	1	3/6/2021
2-Butanone	ND	0.082		mg/Kg-dry	1	3/6/2021
Carbon disulfide	ND	0.054		mg/Kg-dry	1	3/6/2021
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	3/6/2021
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	3/6/2021
Chloroethane	ND	0.011		mg/Kg-dry	1	3/6/2021
Chloroform	ND	0.0054		mg/Kg-dry	1	3/6/2021
Chloromethane	ND	0.011		mg/Kg-dry	1	3/6/2021
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	3/6/2021
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	3/6/2021
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	3/6/2021
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	3/6/2021
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	3/6/2021
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	3/6/2021
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	3/6/2021
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	3/6/2021
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	3/6/2021
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	3/6/2021
2-Hexanone	ND	0.022		mg/Kg-dry	1	3/6/2021
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	3/6/2021
Methylene chloride	ND	0.011		mg/Kg-dry	1	3/6/2021
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	3/6/2021
Styrene	ND	0.0054		mg/Kg-dry	1	3/6/2021
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	3/6/2021
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	3/6/2021
Toluene	ND	0.0054		mg/Kg-dry	1	3/6/2021
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	3/6/2021
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	3/6/2021
Trichloroethene	ND	0.0054		mg/Kg-dry	1	3/6/2021
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	3/6/2021
Xylenes, Total	ND	0.017		mg/Kg-dry	1	3/6/2021
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/5/2021**		Analyst: **TEM**
Acenaphthene	ND	0.040		mg/Kg-dry	1	3/8/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	3/8/2021

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-001

Client Sample ID: SB-7
Collection Date: 3/5/2021 10:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**		Prep Date: **3/5/2021**		Analyst: **TEM**	
Aniline	ND	0.40		mg/Kg-dry	1	3/8/2021
Anthracene	ND	0.040		mg/Kg-dry	1	3/8/2021
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	3/8/2021
Benzidine	ND	0.40		mg/Kg-dry	1	3/8/2021
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	3/8/2021
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	3/8/2021
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	3/8/2021
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	3/8/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	3/8/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	3/8/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	3/8/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	3/8/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	3/8/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/8/2021
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	3/8/2021
Carbazole	ND	0.20		mg/Kg-dry	1	3/8/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	3/8/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	3/8/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	3/8/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	3/8/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/8/2021
Chrysene	ND	0.040		mg/Kg-dry	1	3/8/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	3/8/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	3/8/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/8/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/8/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/8/2021
3,3´-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	3/8/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	3/8/2021
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	3/8/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	3/8/2021
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	3/8/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	3/8/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	3/8/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	3/8/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	3/8/2021
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	3/8/2021
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	3/8/2021

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-001

Client Sample ID: SB-7
Collection Date: 3/5/2021 10:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/5/2021**		Analyst: **TEM**
Fluoranthene	ND	0.040		mg/Kg-dry	1	3/8/2021
Fluorene	ND	0.040		mg/Kg-dry	1	3/8/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	3/8/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	3/8/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	3/8/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	3/8/2021
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	3/8/2021
Isophorone	ND	0.20		mg/Kg-dry	1	3/8/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	3/8/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	3/8/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	3/8/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	3/8/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/8/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/8/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/8/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	3/8/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	3/8/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	3/8/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	3/8/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	3/8/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	3/8/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	3/8/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	3/8/2021
Phenanthrene	ND	0.040		mg/Kg-dry	1	3/8/2021
Phenol	ND	0.20		mg/Kg-dry	1	3/8/2021
Pyrene	ND	0.040		mg/Kg-dry	1	3/8/2021
Pyridine	ND	0.81		mg/Kg-dry	1	3/8/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	3/8/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/8/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/8/2021
PCBs	**SW8082A (SW3550B)**			Prep Date: **3/8/2021**		Analyst: **GVC**
Aroclor 1016	ND	0.096		mg/Kg-dry	1	3/8/2021
Aroclor 1221	ND	0.096		mg/Kg-dry	1	3/8/2021
Aroclor 1232	ND	0.096		mg/Kg-dry	1	3/8/2021
Aroclor 1242	ND	0.096		mg/Kg-dry	1	3/8/2021
Aroclor 1248	ND	0.096		mg/Kg-dry	1	3/8/2021
Aroclor 1254	ND	0.096		mg/Kg-dry	1	3/8/2021
Aroclor 1260	ND	0.096		mg/Kg-dry	1	3/8/2021

Qualifiers:
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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-001

Client Sample ID: SB-7
Collection Date: 3/5/2021 10:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Pesticides		**SW8081B (SW3550B)**		Prep Date: **3/8/2021**		Analyst: **GVC**
4,4´-DDD	ND	0.0019		mg/Kg-dry	1	3/8/2021
4,4´-DDE	ND	0.0019		mg/Kg-dry	1	3/8/2021
4,4´-DDT	ND	0.0019		mg/Kg-dry	1	3/8/2021
Aldrin	ND	0.0019		mg/Kg-dry	1	3/8/2021
alpha-BHC	ND	0.0019		mg/Kg-dry	1	3/8/2021
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	3/8/2021
beta-BHC	ND	0.0019		mg/Kg-dry	1	3/8/2021
Chlordane	ND	0.019		mg/Kg-dry	1	3/8/2021
delta-BHC	ND	0.0019		mg/Kg-dry	1	3/8/2021
Dieldrin	ND	0.0019		mg/Kg-dry	1	3/8/2021
Endosulfan I	ND	0.0019		mg/Kg-dry	1	3/8/2021
Endosulfan II	ND	0.0019		mg/Kg-dry	1	3/8/2021
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	3/8/2021
Endrin	ND	0.0019		mg/Kg-dry	1	3/8/2021
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	3/8/2021
Endrin ketone	ND	0.0019		mg/Kg-dry	1	3/8/2021
gamma-BHC	ND	0.0019		mg/Kg-dry	1	3/8/2021
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	3/8/2021
Heptachlor	ND	0.0019		mg/Kg-dry	1	3/8/2021
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	3/8/2021
Methoxychlor	ND	0.0019		mg/Kg-dry	1	3/8/2021
Toxaphene	ND	0.040		mg/Kg-dry	1	3/8/2021
Metals by ICP/MS		**SW6020A (SW3050B)**		Prep Date: **3/8/2021**		Analyst: **JG**
Aluminum	12000	21		mg/Kg-dry	10	3/8/2021
Antimony	ND	2.1		mg/Kg-dry	10	3/8/2021
Arsenic	8.0	1.0		mg/Kg-dry	10	3/8/2021
Barium	160	1.0		mg/Kg-dry	10	3/8/2021
Beryllium	0.69	0.52		mg/Kg-dry	10	3/8/2021
Cadmium	ND	0.52		mg/Kg-dry	10	3/8/2021
Calcium	49000	63		mg/Kg-dry	10	3/8/2021
Chromium	18	1.0		mg/Kg-dry	10	3/8/2021
Cobalt	13	1.0		mg/Kg-dry	10	3/8/2021
Copper	20	2.6		mg/Kg-dry	10	3/8/2021
Iron	23000	31		mg/Kg-dry	10	3/8/2021
Lead	18	0.52		mg/Kg-dry	10	3/8/2021
Magnesium	29000	31		mg/Kg-dry	10	3/8/2021
Manganese	1000	1.0		mg/Kg-dry	10	3/8/2021
Nickel	23	1.0		mg/Kg-dry	10	3/8/2021

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Date Reported: March 11, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-001

Client Sample ID: SB-7
Collection Date: 3/5/2021 10:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020A (SW3050B)**			Prep Date: **3/8/2021**		Analyst: **JG**
Potassium	1900	31		mg/Kg-dry	10	3/8/2021
Selenium	1.0	1.0		mg/Kg-dry	10	3/8/2021
Silver	ND	1.0		mg/Kg-dry	10	3/8/2021
Sodium	290	63		mg/Kg-dry	10	3/9/2021
Thallium	ND	1.0		mg/Kg-dry	10	3/8/2021
Vanadium	34	1.0		mg/Kg-dry	10	3/8/2021
Zinc	77	5.2		mg/Kg-dry	10	3/8/2021
Mercury	**SW7471B**			Prep Date: **3/10/2021**		Analyst: **LB**
Mercury	0.023	0.021		mg/Kg-dry	1	3/10/2021
Cyanide, Total	**SW9012A**			Prep Date: **3/8/2021**		Analyst: **AJR**
Cyanide	ND	0.30		mg/Kg-dry	1	3/8/2021
pH (25 °C)	**SW9045C**			Prep Date: **3/8/2021**		Analyst: **FN**
pH	7.98			pH Units	1	3/8/2021
Percent Moisture	**D2974**			Prep Date: **3/8/2021**		Analyst: **FN**
Percent Moisture	17.2	0.2	*	wt%	1	3/9/2021

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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-002

Client Sample ID: SB-8
Collection Date: 3/5/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **3/5/2021**		Analyst: **JDT**
Acetone	ND	0.077		mg/Kg-dry	1	3/6/2021
Benzene	ND	0.0051		mg/Kg-dry	1	3/6/2021
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	3/6/2021
Bromoform	ND	0.0051		mg/Kg-dry	1	3/6/2021
Bromomethane	ND	0.010		mg/Kg-dry	1	3/6/2021
2-Butanone	ND	0.077		mg/Kg-dry	1	3/6/2021
Carbon disulfide	ND	0.051		mg/Kg-dry	1	3/6/2021
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	3/6/2021
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	3/6/2021
Chloroethane	ND	0.010		mg/Kg-dry	1	3/6/2021
Chloroform	ND	0.0051		mg/Kg-dry	1	3/6/2021
Chloromethane	ND	0.010		mg/Kg-dry	1	3/6/2021
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	3/6/2021
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	3/6/2021
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	3/6/2021
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	3/6/2021
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	3/6/2021
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	3/6/2021
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	3/6/2021
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	3/6/2021
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	3/6/2021
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	3/6/2021
2-Hexanone	ND	0.021		mg/Kg-dry	1	3/6/2021
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	3/6/2021
Methylene chloride	ND	0.010		mg/Kg-dry	1	3/6/2021
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	3/6/2021
Styrene	ND	0.0051		mg/Kg-dry	1	3/6/2021
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	3/6/2021
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	3/6/2021
Toluene	ND	0.0051		mg/Kg-dry	1	3/6/2021
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	3/6/2021
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	3/6/2021
Trichloroethene	ND	0.0051		mg/Kg-dry	1	3/6/2021
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	3/6/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	3/6/2021
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/5/2021**		Analyst: **TEM**
Acenaphthene	0.043	0.036		mg/Kg-dry	1	3/8/2021
Acenaphthylene	ND	0.036		mg/Kg-dry	1	3/8/2021

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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-002

Client Sample ID: SB-8
Collection Date: 3/5/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**		Prep Date: **3/5/2021**		Analyst: **TEM**	
Aniline	ND	0.36		mg/Kg-dry	1	3/8/2021
Anthracene	0.12	0.036		mg/Kg-dry	1	3/8/2021
Benz(a)anthracene	0.52	0.036		mg/Kg-dry	1	3/8/2021
Benzidine	ND	0.36		mg/Kg-dry	1	3/8/2021
Benzo(a)pyrene	0.59	0.036		mg/Kg-dry	1	3/8/2021
Benzo(b)fluoranthene	0.64	0.036		mg/Kg-dry	1	3/8/2021
Benzo(g,h,i)perylene	0.46	0.036		mg/Kg-dry	1	3/8/2021
Benzo(k)fluoranthene	0.51	0.036		mg/Kg-dry	1	3/8/2021
Benzoic acid	ND	0.90		mg/Kg-dry	1	3/8/2021
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	3/8/2021
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	3/8/2021
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	3/8/2021
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	3/8/2021
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	3/8/2021
Butyl benzyl phthalate	0.52	0.18		mg/Kg-dry	1	3/8/2021
Carbazole	ND	0.18		mg/Kg-dry	1	3/8/2021
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	3/8/2021
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	3/8/2021
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	3/8/2021
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	3/8/2021
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	3/8/2021
Chrysene	0.67	0.036		mg/Kg-dry	1	3/8/2021
Dibenz(a,h)anthracene	0.19	0.036		mg/Kg-dry	1	3/8/2021
Dibenzofuran	ND	0.18		mg/Kg-dry	1	3/8/2021
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	3/8/2021
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	3/8/2021
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	3/8/2021
3,3´-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	3/8/2021
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	3/8/2021
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	3/8/2021
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	3/8/2021
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	3/8/2021
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	3/8/2021
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	3/8/2021
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	3/8/2021
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	3/8/2021
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	3/8/2021
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	3/8/2021

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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-002

Client Sample ID: SB-8
Collection Date: 3/5/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/5/2021**		Analyst: **TEM**
Fluoranthene	1.2	0.036		mg/Kg-dry	1	3/8/2021
Fluorene	0.065	0.036		mg/Kg-dry	1	3/8/2021
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	3/8/2021
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	3/8/2021
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	3/8/2021
Hexachloroethane	ND	0.18		mg/Kg-dry	1	3/8/2021
Indeno(1,2,3-cd)pyrene	0.40	0.036		mg/Kg-dry	1	3/8/2021
Isophorone	ND	0.18		mg/Kg-dry	1	3/8/2021
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	3/8/2021
2-Methylphenol	ND	0.18		mg/Kg-dry	1	3/8/2021
4-Methylphenol	ND	0.18		mg/Kg-dry	1	3/8/2021
Naphthalene	ND	0.036		mg/Kg-dry	1	3/8/2021
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	3/8/2021
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	3/8/2021
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	3/8/2021
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	3/8/2021
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	3/8/2021
Nitrobenzene	ND	0.036		mg/Kg-dry	1	3/8/2021
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	3/8/2021
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	3/8/2021
N-Nitrosodiphenylamine	ND	0.036		mg/Kg-dry	1	3/8/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	3/8/2021
Pentachlorophenol	ND	0.036		mg/Kg-dry	1	3/8/2021
Phenanthrene	0.66	0.036		mg/Kg-dry	1	3/8/2021
Phenol	ND	0.18		mg/Kg-dry	1	3/8/2021
Pyrene	0.96	0.036		mg/Kg-dry	1	3/8/2021
Pyridine	ND	0.72		mg/Kg-dry	1	3/8/2021
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	3/8/2021
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	3/8/2021
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	3/8/2021
PCBs	**SW8082A (SW3550B)**			Prep Date: **3/8/2021**		Analyst: **GVC**
Aroclor 1016	ND	0.086		mg/Kg-dry	1	3/8/2021
Aroclor 1221	ND	0.086		mg/Kg-dry	1	3/8/2021
Aroclor 1232	ND	0.086		mg/Kg-dry	1	3/8/2021
Aroclor 1242	ND	0.086		mg/Kg-dry	1	3/8/2021
Aroclor 1248	ND	0.086		mg/Kg-dry	1	3/8/2021
Aroclor 1254	ND	0.086		mg/Kg-dry	1	3/8/2021
Aroclor 1260	ND	0.086		mg/Kg-dry	1	3/8/2021

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Date Reported: March 11, 2021
Date Printed: March 11, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-002

Client Sample ID: SB-8
Collection Date: 3/5/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Pesticides		**SW8081B (SW3550B)**		Prep Date: **3/8/2021**		Analyst: **GVC**
4,4´-DDD	ND	0.0017		mg/Kg-dry	1	3/8/2021
4,4´-DDE	ND	0.0017		mg/Kg-dry	1	3/8/2021
4,4´-DDT	ND	0.0017		mg/Kg-dry	1	3/8/2021
Aldrin	ND	0.0017		mg/Kg-dry	1	3/8/2021
alpha-BHC	ND	0.0017		mg/Kg-dry	1	3/8/2021
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	3/8/2021
beta-BHC	ND	0.0017		mg/Kg-dry	1	3/8/2021
Chlordane	ND	0.017		mg/Kg-dry	1	3/8/2021
delta-BHC	ND	0.0017		mg/Kg-dry	1	3/8/2021
Dieldrin	ND	0.0017		mg/Kg-dry	1	3/8/2021
Endosulfan I	ND	0.0017		mg/Kg-dry	1	3/8/2021
Endosulfan II	ND	0.0017		mg/Kg-dry	1	3/8/2021
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	3/8/2021
Endrin	ND	0.0017		mg/Kg-dry	1	3/8/2021
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	3/8/2021
Endrin ketone	ND	0.0017		mg/Kg-dry	1	3/8/2021
gamma-BHC	ND	0.0017		mg/Kg-dry	1	3/8/2021
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	3/8/2021
Heptachlor	ND	0.0017		mg/Kg-dry	1	3/8/2021
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	3/8/2021
Methoxychlor	ND	0.0017		mg/Kg-dry	1	3/8/2021
Toxaphene	ND	0.036		mg/Kg-dry	1	3/8/2021
Metals by ICP/MS		**SW6020A (SW3050B)**		Prep Date: **3/8/2021**		Analyst: **JG**
Aluminum	3300	19		mg/Kg-dry	10	3/8/2021
Antimony	ND	1.9		mg/Kg-dry	10	3/8/2021
Arsenic	22	0.95		mg/Kg-dry	10	3/8/2021
Barium	28	0.95		mg/Kg-dry	10	3/8/2021
Beryllium	ND	0.47		mg/Kg-dry	10	3/8/2021
Cadmium	ND	0.47		mg/Kg-dry	10	3/8/2021
Calcium	150000	570		mg/Kg-dry	100	3/9/2021
Chromium	15	0.95		mg/Kg-dry	10	3/8/2021
Cobalt	4.9	0.95		mg/Kg-dry	10	3/8/2021
Copper	27	2.4		mg/Kg-dry	10	3/8/2021
Iron	33000	28		mg/Kg-dry	10	3/8/2021
Lead	20	0.47		mg/Kg-dry	10	3/8/2021
Magnesium	95000	28		mg/Kg-dry	10	3/8/2021
Manganese	470	0.95		mg/Kg-dry	10	3/8/2021
Nickel	14	0.95		mg/Kg-dry	10	3/8/2021

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Date Reported: March 11, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030175 Revision 0
Project: 75th St Naperville Sampling
Lab ID: 21030175-002

Client Sample ID: SB-8
Collection Date: 3/5/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020A (SW3050B)**			Prep Date: **3/8/2021**		Analyst: **JG**
Potassium	1000	28		mg/Kg-dry	10	3/8/2021
Selenium	ND	0.95		mg/Kg-dry	10	3/8/2021
Silver	ND	0.95		mg/Kg-dry	10	3/8/2021
Sodium	2800	57		mg/Kg-dry	10	3/9/2021
Thallium	ND	0.95		mg/Kg-dry	10	3/8/2021
Vanadium	13	0.95		mg/Kg-dry	10	3/8/2021
Zinc	66	4.7		mg/Kg-dry	10	3/8/2021
Mercury	**SW7471B**			Prep Date: **3/10/2021**		Analyst: **LB**
Mercury	0.022	0.017		mg/Kg-dry	1	3/10/2021
Cyanide, Total	**SW9012A**			Prep Date: **3/8/2021**		Analyst: **AJR**
Cyanide	ND	0.27		mg/Kg-dry	1	3/8/2021
pH (25 °C)	**SW9045C**			Prep Date: **3/8/2021**		Analyst: **FN**
pH	8.68			pH Units	1	3/8/2021
Percent Moisture	**D2974**			Prep Date: **3/8/2021**		Analyst: **FN**
Percent Moisture	8.0	0.2	*	wt%	1	3/9/2021

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CHAIN OF CUSTODY RECORD

Nº: 914897 **Page : 1 of 1**

Company: GSG Consultants, Inc.
Project Number: Client Tracking No.:
Project Name: 75th Street Naperville Sampling
Project Location:
Sampler(s): JB, JEB
Report To: Ted Cagney Phone:
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 ___ e-mail: tcagney@gsg-consultants.com

Quote No.:
P.O. No.:
Turn Around Time (Days): 1 2 3 4 (5-7) 10
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Target Compound List	Additional Information:	Lab No.:
SB-7	03/05/21	1000	S		✓		5	X		001
SB-8	03/05/21	1010	S		✓		5	X		002

Relinquished by: (Signature)	Date/Time: 03/05/21 11:57	
Received by: (Signature)	Date/Time: 3/5/21 1157	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	

Comments:

Laboratory Work Order No.: 2103075

Received on Ice: Yes [X] No [ ]

Temperature: On Ice °C

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

STAT Analysis Corporation

Sample Receipt Checklist

Client Name GSG

Date and Time Received: 3/5/2021 11:57:00 AM

Work Order Number 21030175

Received by: EAA

Checklist completed by: _____ 3/5/21 (Signature / Date)

Reviewed by: CE 3/5/21 (Initials / Date)

Matrix: Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature On Ice °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response:

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

March 15, 2021

GSG Consultants, Inc.
2942 W. Van Buren St.
Chicago, IL 60612
Telephone: (312) 733-6262
Fax: (312) 733-5612

Analytical Report for STAT Work Order: 21030212 Revision 0

RE: 75th Street, Drilling Naperville

Dear GSG Consultants, Inc.:

STAT Analysis received 5 samples for the referenced project on 3/8/2021 11:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Justice Kwateng
Project Manager

Client: GSG Consultants, Inc.
Project: 75th Street, Drilling Naperville
Work Order: 21030212 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
21030212-001A	SB-1		3/8/2021 9:00:00 AM	3/8/2021
21030212-001B	SB-1		3/8/2021 9:00:00 AM	3/8/2021
21030212-002A	SB-2		3/8/2021 9:10:00 AM	3/8/2021
21030212-002B	SB-2		3/8/2021 9:10:00 AM	3/8/2021
21030212-003A	SB-4		3/8/2021 9:20:00 AM	3/8/2021
21030212-003B	SB-4		3/8/2021 9:20:00 AM	3/8/2021
21030212-004A	SB-5		3/8/2021 9:30:00 AM	3/8/2021
21030212-004B	SB-5		3/8/2021 9:30:00 AM	3/8/2021
21030212-005A	SB-6		3/8/2021 9:40:00 AM	3/8/2021
21030212-005B	SB-6		3/8/2021 9:40:00 AM	3/8/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-001

Client Sample ID: SB-1
Collection Date: 3/8/2021 9:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **3/8/2021**		Analyst: **CBG**
Acetone	ND	0.076		mg/Kg-dry	1	3/9/2021
Benzene	ND	0.0050		mg/Kg-dry	1	3/9/2021
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	3/9/2021
Bromoform	ND	0.0050		mg/Kg-dry	1	3/9/2021
Bromomethane	ND	0.010		mg/Kg-dry	1	3/9/2021
2-Butanone	ND	0.076		mg/Kg-dry	1	3/9/2021
Carbon disulfide	ND	0.050		mg/Kg-dry	1	3/9/2021
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	3/9/2021
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	3/9/2021
Chloroethane	ND	0.010		mg/Kg-dry	1	3/9/2021
Chloroform	ND	0.0050		mg/Kg-dry	1	3/9/2021
Chloromethane	ND	0.010		mg/Kg-dry	1	3/9/2021
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	3/9/2021
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	3/9/2021
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	3/9/2021
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	3/9/2021
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	3/9/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	3/9/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	3/9/2021
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	3/9/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	3/9/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	3/9/2021
Methylene chloride	ND	0.010		mg/Kg-dry	1	3/9/2021
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	3/9/2021
Styrene	ND	0.0050		mg/Kg-dry	1	3/9/2021
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	3/9/2021
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	3/9/2021
Toluene	ND	0.0050		mg/Kg-dry	1	3/9/2021
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	3/9/2021
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	3/9/2021
Trichloroethene	ND	0.0050		mg/Kg-dry	1	3/9/2021
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	3/9/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	3/9/2021
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Acenaphthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Acenaphthylene	ND	0.038		mg/Kg-dry	1	3/10/2021

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-001

Client Sample ID: SB-1
Collection Date: 3/8/2021 9:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Aniline	ND	0.39		mg/Kg-dry	1	3/10/2021
Anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzidine	ND	0.38		mg/Kg-dry	1	3/10/2021
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzoic acid	ND	0.96		mg/Kg-dry	1	3/10/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	3/10/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
Carbazole	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	3/10/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Chrysene	ND	0.038		mg/Kg-dry	1	3/10/2021
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	3/10/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
3,3´-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	3/10/2021
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	3/10/2021
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	3/10/2021
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	3/10/2021
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-001

Client Sample ID: SB-1
Collection Date: 3/8/2021 9:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Fluorene	ND	0.038		mg/Kg-dry	1	3/10/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	3/10/2021
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Isophorone	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Naphthalene	ND	0.038		mg/Kg-dry	1	3/10/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	3/10/2021
Nitrobenzene	ND	0.038		mg/Kg-dry	1	3/10/2021
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	3/10/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	3/10/2021
N-Nitrosodiphenylamine	ND	0.038		mg/Kg-dry	1	3/10/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	3/10/2021
Pentachlorophenol	ND	0.038		mg/Kg-dry	1	3/10/2021
Phenanthrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Phenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Pyridine	ND	0.78		mg/Kg-dry	1	3/10/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
PCBs	**SW8082A (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **GVC**
Aroclor 1016	ND	0.093		mg/Kg-dry	1	3/9/2021
Aroclor 1221	ND	0.093		mg/Kg-dry	1	3/9/2021
Aroclor 1232	ND	0.093		mg/Kg-dry	1	3/9/2021
Aroclor 1242	ND	0.093		mg/Kg-dry	1	3/9/2021
Aroclor 1248	ND	0.093		mg/Kg-dry	1	3/9/2021
Aroclor 1254	ND	0.093		mg/Kg-dry	1	3/9/2021
Aroclor 1260	ND	0.093		mg/Kg-dry	1	3/9/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-001

Client Sample ID: SB-1
Collection Date: 3/8/2021 9:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Pesticides		**SW8081B (SW3550B)**		Prep Date: **3/9/2021**		Analyst: **GVC**
4,4´-DDD	ND	0.0019		mg/Kg-dry	1	3/9/2021
4,4´-DDE	ND	0.0019		mg/Kg-dry	1	3/9/2021
4,4´-DDT	ND	0.0019		mg/Kg-dry	1	3/9/2021
Aldrin	ND	0.0019		mg/Kg-dry	1	3/9/2021
alpha-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	3/9/2021
beta-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
Chlordane	ND	0.019		mg/Kg-dry	1	3/9/2021
delta-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
Dieldrin	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endosulfan I	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endosulfan II	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endrin	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endrin ketone	ND	0.0019		mg/Kg-dry	1	3/9/2021
gamma-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	3/9/2021
Heptachlor	ND	0.0019		mg/Kg-dry	1	3/9/2021
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	3/9/2021
Methoxychlor	ND	0.0019		mg/Kg-dry	1	3/9/2021
Toxaphene	ND	0.038		mg/Kg-dry	1	3/9/2021
Metals by ICP/MS		**SW6020A (SW3050B)**		Prep Date: **3/11/2021**		Analyst: **JG**
Aluminum	15000	21		mg/Kg-dry	10	3/11/2021
Antimony	ND	2.1		mg/Kg-dry	10	3/12/2021
Arsenic	6.3	1.1		mg/Kg-dry	10	3/11/2021
Barium	100	1.1		mg/Kg-dry	10	3/11/2021
Beryllium	0.72	0.53		mg/Kg-dry	10	3/12/2021
Cadmium	ND	0.53		mg/Kg-dry	10	3/11/2021
Calcium	84000	63		mg/Kg-dry	10	3/11/2021
Chromium	26	1.1		mg/Kg-dry	10	3/11/2021
Cobalt	7.6	1.1		mg/Kg-dry	10	3/11/2021
Copper	24	2.6		mg/Kg-dry	10	3/11/2021
Iron	26000	32		mg/Kg-dry	10	3/11/2021
Lead	15	0.53		mg/Kg-dry	10	3/11/2021
Magnesium	41000	32		mg/Kg-dry	10	3/11/2021
Manganese	300	1.1		mg/Kg-dry	10	3/11/2021
Nickel	27	1.1		mg/Kg-dry	10	3/11/2021

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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-001

Client Sample ID: SB-1
Collection Date: 3/8/2021 9:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020A (SW3050B)**			Prep Date: **3/11/2021**		Analyst: **JG**
Potassium	2900	32		mg/Kg-dry	10	3/11/2021
Selenium	ND	1.1		mg/Kg-dry	10	3/11/2021
Silver	ND	1.1		mg/Kg-dry	10	3/11/2021
Sodium	1100	63		mg/Kg-dry	10	3/11/2021
Thallium	ND	1.1		mg/Kg-dry	10	3/11/2021
Vanadium	26	1.1		mg/Kg-dry	10	3/11/2021
Zinc	59	5.3		mg/Kg-dry	10	3/11/2021
Mercury	**SW7471B**			Prep Date: **3/10/2021**		Analyst: **LB**
Mercury	ND	0.023		mg/Kg-dry	1	3/10/2021
Cyanide, Total	**SW9012A**			Prep Date: **3/9/2021**		Analyst: **AJR**
Cyanide	ND	0.29		mg/Kg-dry	1	3/9/2021
pH (25 °C)	**SW9045C**			Prep Date: **3/8/2021**		Analyst: **FN**
pH	7.81			pH Units	1	3/9/2021
Percent Moisture	**D2974**			Prep Date: **3/8/2021**		Analyst: **FN**
Percent Moisture	13.9	0.2	*	wt%	1	3/9/2021

Qualifiers:

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-002

Client Sample ID: SB-2
Collection Date: 3/8/2021 9:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **3/8/2021**		Analyst: **CBG**
Acetone	ND	0.097		mg/Kg-dry	1	3/9/2021
Benzene	ND	0.0065		mg/Kg-dry	1	3/9/2021
Bromodichloromethane	ND	0.0065		mg/Kg-dry	1	3/9/2021
Bromoform	ND	0.0065		mg/Kg-dry	1	3/9/2021
Bromomethane	ND	0.013		mg/Kg-dry	1	3/9/2021
2-Butanone	ND	0.097		mg/Kg-dry	1	3/9/2021
Carbon disulfide	ND	0.065		mg/Kg-dry	1	3/9/2021
Carbon tetrachloride	ND	0.0065		mg/Kg-dry	1	3/9/2021
Chlorobenzene	ND	0.0065		mg/Kg-dry	1	3/9/2021
Chloroethane	ND	0.013		mg/Kg-dry	1	3/9/2021
Chloroform	ND	0.0065		mg/Kg-dry	1	3/9/2021
Chloromethane	ND	0.013		mg/Kg-dry	1	3/9/2021
Dibromochloromethane	ND	0.0065		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethane	ND	0.0065		mg/Kg-dry	1	3/9/2021
1,2-Dichloroethane	ND	0.0065		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethene	ND	0.0065		mg/Kg-dry	1	3/9/2021
cis-1,2-Dichloroethene	ND	0.0065		mg/Kg-dry	1	3/9/2021
trans-1,2-Dichloroethene	ND	0.0065		mg/Kg-dry	1	3/9/2021
1,2-Dichloropropane	ND	0.0065		mg/Kg-dry	1	3/9/2021
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	3/9/2021
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	3/9/2021
Ethylbenzene	ND	0.0065		mg/Kg-dry	1	3/9/2021
2-Hexanone	ND	0.026		mg/Kg-dry	1	3/9/2021
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	3/9/2021
Methylene chloride	ND	0.013		mg/Kg-dry	1	3/9/2021
Methyl tert-butyl ether	ND	0.0065		mg/Kg-dry	1	3/9/2021
Styrene	ND	0.0065		mg/Kg-dry	1	3/9/2021
1,1,2,2-Tetrachloroethane	ND	0.0065		mg/Kg-dry	1	3/9/2021
Tetrachloroethene	ND	0.0065		mg/Kg-dry	1	3/9/2021
Toluene	ND	0.0065		mg/Kg-dry	1	3/9/2021
1,1,1-Trichloroethane	ND	0.0065		mg/Kg-dry	1	3/9/2021
1,1,2-Trichloroethane	ND	0.0065		mg/Kg-dry	1	3/9/2021
Trichloroethene	ND	0.0065		mg/Kg-dry	1	3/9/2021
Vinyl chloride	ND	0.0065		mg/Kg-dry	1	3/9/2021
Xylenes, Total	ND	0.019		mg/Kg-dry	1	3/9/2021
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Acenaphthene	ND	0.041		mg/Kg-dry	1	3/10/2021
Acenaphthylene	ND	0.041		mg/Kg-dry	1	3/10/2021

Qualifiers:
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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-002

Client Sample ID: SB-2
Collection Date: 3/8/2021 9:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**		Prep Date: **3/9/2021**		Analyst: **DM**	
Aniline	ND	0.42		mg/Kg-dry	1	3/10/2021
Anthracene	ND	0.041		mg/Kg-dry	1	3/10/2021
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	3/10/2021
Benzidine	ND	0.41		mg/Kg-dry	1	3/10/2021
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	3/10/2021
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	3/10/2021
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	3/10/2021
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	3/10/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	3/10/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	3/10/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	3/10/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	3/10/2021
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	3/10/2021
Carbazole	ND	0.21		mg/Kg-dry	1	3/10/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	3/10/2021
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	3/10/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	3/10/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	3/10/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	3/10/2021
Chrysene	ND	0.041		mg/Kg-dry	1	3/10/2021
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	3/10/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	3/10/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	3/10/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	3/10/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	3/10/2021
3,3´-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	3/10/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	3/10/2021
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	3/10/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	3/10/2021
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	3/10/2021
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	3/10/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	3/10/2021
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	3/10/2021
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	3/10/2021
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	3/10/2021
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	3/10/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-002

Client Sample ID: SB-2
Collection Date: 3/8/2021 9:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Fluoranthene	ND	0.041		mg/Kg-dry	1	3/10/2021
Fluorene	ND	0.041		mg/Kg-dry	1	3/10/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	3/10/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	3/10/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	3/10/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	3/10/2021
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	3/10/2021
Isophorone	ND	0.21		mg/Kg-dry	1	3/10/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	3/10/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	3/10/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	3/10/2021
Naphthalene	ND	0.041		mg/Kg-dry	1	3/10/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	3/10/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	3/10/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	3/10/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	3/10/2021
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	3/10/2021
Nitrobenzene	ND	0.041		mg/Kg-dry	1	3/10/2021
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	3/10/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	3/10/2021
N-Nitrosodiphenylamine	ND	0.041		mg/Kg-dry	1	3/10/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	3/10/2021
Pentachlorophenol	ND	0.041		mg/Kg-dry	1	3/10/2021
Phenanthrene	ND	0.041		mg/Kg-dry	1	3/10/2021
Phenol	ND	0.21		mg/Kg-dry	1	3/10/2021
Pyrene	ND	0.041		mg/Kg-dry	1	3/10/2021
Pyridine	ND	0.84		mg/Kg-dry	1	3/10/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	3/10/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	3/10/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	3/10/2021
PCBs	**SW8082A (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **GVC**
Aroclor 1016	ND	0.10		mg/Kg-dry	1	3/9/2021
Aroclor 1221	ND	0.10		mg/Kg-dry	1	3/9/2021
Aroclor 1232	ND	0.10		mg/Kg-dry	1	3/9/2021
Aroclor 1242	ND	0.10		mg/Kg-dry	1	3/9/2021
Aroclor 1248	ND	0.10		mg/Kg-dry	1	3/9/2021
Aroclor 1254	ND	0.10		mg/Kg-dry	1	3/9/2021
Aroclor 1260	ND	0.10		mg/Kg-dry	1	3/9/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-002

Client Sample ID: SB-2
Collection Date: 3/8/2021 9:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Pesticides		**SW8081B (SW3550B)**		Prep Date: **3/9/2021**		Analyst: **GVC**
4,4´-DDD	ND	0.0020		mg/Kg-dry	1	3/9/2021
4,4´-DDE	ND	0.0020		mg/Kg-dry	1	3/9/2021
4,4´-DDT	ND	0.0020		mg/Kg-dry	1	3/9/2021
Aldrin	ND	0.0020		mg/Kg-dry	1	3/9/2021
alpha-BHC	ND	0.0020		mg/Kg-dry	1	3/9/2021
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	3/9/2021
beta-BHC	ND	0.0020		mg/Kg-dry	1	3/9/2021
Chlordane	ND	0.020		mg/Kg-dry	1	3/9/2021
delta-BHC	ND	0.0020		mg/Kg-dry	1	3/9/2021
Dieldrin	ND	0.0020		mg/Kg-dry	1	3/9/2021
Endosulfan I	ND	0.0020		mg/Kg-dry	1	3/9/2021
Endosulfan II	ND	0.0020		mg/Kg-dry	1	3/9/2021
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	3/9/2021
Endrin	ND	0.0020		mg/Kg-dry	1	3/9/2021
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	3/9/2021
Endrin ketone	ND	0.0020		mg/Kg-dry	1	3/9/2021
gamma-BHC	ND	0.0020		mg/Kg-dry	1	3/9/2021
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	3/9/2021
Heptachlor	ND	0.0020		mg/Kg-dry	1	3/9/2021
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	3/9/2021
Methoxychlor	ND	0.0020		mg/Kg-dry	1	3/9/2021
Toxaphene	ND	0.042		mg/Kg-dry	1	3/9/2021
Metals by ICP/MS		**SW6020A (SW3050B)**		Prep Date: **3/11/2021**		Analyst: **JG**
Aluminum	16000	23		mg/Kg-dry	10	3/11/2021
Antimony	ND	2.3		mg/Kg-dry	10	3/12/2021
Arsenic	16	1.2		mg/Kg-dry	10	3/11/2021
Barium	230	1.2		mg/Kg-dry	10	3/11/2021
Beryllium	0.96	0.58		mg/Kg-dry	10	3/12/2021
Cadmium	ND	0.58		mg/Kg-dry	10	3/11/2021
Calcium	6700	69		mg/Kg-dry	10	3/11/2021
Chromium	27	1.2		mg/Kg-dry	10	3/11/2021
Cobalt	20	1.2		mg/Kg-dry	10	3/11/2021
Copper	41	2.9		mg/Kg-dry	10	3/11/2021
Iron	36000	35		mg/Kg-dry	10	3/11/2021
Lead	24	0.58		mg/Kg-dry	10	3/11/2021
Magnesium	8100	35		mg/Kg-dry	10	3/11/2021
Manganese	700	1.2		mg/Kg-dry	10	3/11/2021
Nickel	46	1.2		mg/Kg-dry	10	3/11/2021

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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-002

Client Sample ID: SB-2
Collection Date: 3/8/2021 9:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020A (SW3050B)**			Prep Date: **3/11/2021**		Analyst: **JG**
Potassium	1600	35		mg/Kg-dry	10	3/11/2021
Selenium	ND	1.2		mg/Kg-dry	10	3/11/2021
Silver	ND	1.2		mg/Kg-dry	10	3/11/2021
Sodium	1400	69		mg/Kg-dry	10	3/11/2021
Thallium	ND	1.2		mg/Kg-dry	10	3/11/2021
Vanadium	35	1.2		mg/Kg-dry	10	3/11/2021
Zinc	86	5.8		mg/Kg-dry	10	3/11/2021
Mercury	**SW7471B**			Prep Date: **3/10/2021**		Analyst: **LB**
Mercury	ND	0.025		mg/Kg-dry	1	3/10/2021
Cyanide, Total	**SW9012A**			Prep Date: **3/9/2021**		Analyst: **AJR**
Cyanide	ND	0.32		mg/Kg-dry	1	3/9/2021
pH (25 °C)	**SW9045C**			Prep Date: **3/8/2021**		Analyst: **FN**
pH	7.43			pH Units	1	3/9/2021
Percent Moisture	**D2974**			Prep Date: **3/8/2021**		Analyst: **FN**
Percent Moisture	21.1	0.2	*	wt%	1	3/9/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-003

Client Sample ID: SB-4
Collection Date: 3/8/2021 9:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **3/8/2021**		Analyst: **CBG**
Acetone	ND	0.072		mg/Kg-dry	1	3/9/2021
Benzene	ND	0.0048		mg/Kg-dry	1	3/9/2021
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	3/9/2021
Bromoform	ND	0.0048		mg/Kg-dry	1	3/9/2021
Bromomethane	ND	0.0096		mg/Kg-dry	1	3/9/2021
2-Butanone	ND	0.072		mg/Kg-dry	1	3/9/2021
Carbon disulfide	ND	0.048		mg/Kg-dry	1	3/9/2021
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	3/9/2021
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	3/9/2021
Chloroethane	ND	0.0096		mg/Kg-dry	1	3/9/2021
Chloroform	ND	0.0048		mg/Kg-dry	1	3/9/2021
Chloromethane	ND	0.0096		mg/Kg-dry	1	3/9/2021
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	3/9/2021
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	3/9/2021
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	3/9/2021
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	3/9/2021
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	3/9/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	3/9/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	3/9/2021
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	3/9/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	3/9/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	3/9/2021
Methylene chloride	ND	0.0096		mg/Kg-dry	1	3/9/2021
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	3/9/2021
Styrene	ND	0.0048		mg/Kg-dry	1	3/9/2021
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	3/9/2021
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	3/9/2021
Toluene	ND	0.0048		mg/Kg-dry	1	3/9/2021
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	3/9/2021
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	3/9/2021
Trichloroethene	ND	0.0048		mg/Kg-dry	1	3/9/2021
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	3/9/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	3/9/2021
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Acenaphthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Acenaphthylene	ND	0.038		mg/Kg-dry	1	3/10/2021

Qualifiers:
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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-003

Client Sample ID: SB-4
Collection Date: 3/8/2021 9:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Aniline	ND	0.39		mg/Kg-dry	1	3/10/2021
Anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzidine	ND	0.38		mg/Kg-dry	1	3/10/2021
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzoic acid	ND	0.97		mg/Kg-dry	1	3/10/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	3/10/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
Carbazole	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	3/10/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Chrysene	ND	0.038		mg/Kg-dry	1	3/10/2021
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	3/10/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
3,3´-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	3/10/2021
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	3/10/2021
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	3/10/2021
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	3/10/2021
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-003

Client Sample ID: SB-4
Collection Date: 3/8/2021 9:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Fluorene	ND	0.038		mg/Kg-dry	1	3/10/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	3/10/2021
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Isophorone	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Naphthalene	ND	0.038		mg/Kg-dry	1	3/10/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	3/10/2021
Nitrobenzene	ND	0.038		mg/Kg-dry	1	3/10/2021
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	3/10/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	3/10/2021
N-Nitrosodiphenylamine	ND	0.038		mg/Kg-dry	1	3/10/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	3/10/2021
Pentachlorophenol	ND	0.038		mg/Kg-dry	1	3/10/2021
Phenanthrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Phenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Pyridine	ND	0.78		mg/Kg-dry	1	3/10/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
PCBs	**SW8082A (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **GVC**
Aroclor 1016	ND	0.092		mg/Kg-dry	1	3/9/2021
Aroclor 1221	ND	0.092		mg/Kg-dry	1	3/9/2021
Aroclor 1232	ND	0.092		mg/Kg-dry	1	3/9/2021
Aroclor 1242	ND	0.092		mg/Kg-dry	1	3/9/2021
Aroclor 1248	ND	0.092		mg/Kg-dry	1	3/9/2021
Aroclor 1254	ND	0.092		mg/Kg-dry	1	3/9/2021
Aroclor 1260	ND	0.092		mg/Kg-dry	1	3/9/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-003

Client Sample ID: SB-4
Collection Date: 3/8/2021 9:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Pesticides		**SW8081B (SW3550B)**		Prep Date: **3/9/2021**		Analyst: **GVC**
4,4´-DDD	ND	0.0018		mg/Kg-dry	1	3/9/2021
4,4´-DDE	ND	0.0018		mg/Kg-dry	1	3/9/2021
4,4´-DDT	ND	0.0018		mg/Kg-dry	1	3/9/2021
Aldrin	ND	0.0018		mg/Kg-dry	1	3/9/2021
alpha-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	3/9/2021
beta-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
Chlordane	ND	0.018		mg/Kg-dry	1	3/9/2021
delta-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
Dieldrin	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endosulfan I	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endosulfan II	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endrin	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endrin ketone	ND	0.0018		mg/Kg-dry	1	3/9/2021
gamma-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	3/9/2021
Heptachlor	ND	0.0018		mg/Kg-dry	1	3/9/2021
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	3/9/2021
Methoxychlor	ND	0.0018		mg/Kg-dry	1	3/9/2021
Toxaphene	ND	0.038		mg/Kg-dry	1	3/9/2021
Metals by ICP/MS		**SW6020A (SW3050B)**		Prep Date: **3/11/2021**		Analyst: **JG**
Aluminum	17000	23		mg/Kg-dry	10	3/11/2021
Antimony	ND	2.3		mg/Kg-dry	10	3/12/2021
Arsenic	12	1.1		mg/Kg-dry	10	3/11/2021
Barium	120	1.1		mg/Kg-dry	10	3/11/2021
Beryllium	0.85	0.57		mg/Kg-dry	10	3/12/2021
Cadmium	ND	0.57		mg/Kg-dry	10	3/11/2021
Calcium	95000	69		mg/Kg-dry	10	3/11/2021
Chromium	27	1.1		mg/Kg-dry	10	3/11/2021
Cobalt	18	1.1		mg/Kg-dry	10	3/11/2021
Copper	33	2.9		mg/Kg-dry	10	3/11/2021
Iron	33000	34		mg/Kg-dry	10	3/11/2021
Lead	21	0.57		mg/Kg-dry	10	3/11/2021
Magnesium	48000	34		mg/Kg-dry	10	3/11/2021
Manganese	670	1.1		mg/Kg-dry	10	3/11/2021
Nickel	42	1.1		mg/Kg-dry	10	3/11/2021

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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-003

Client Sample ID: SB-4
Collection Date: 3/8/2021 9:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020A (SW3050B)**			Prep Date: **3/11/2021**		Analyst: **JG**
Potassium	3100	34		mg/Kg-dry	10	3/11/2021
Selenium	ND	1.1		mg/Kg-dry	10	3/11/2021
Silver	ND	1.1		mg/Kg-dry	10	3/11/2021
Sodium	1600	69		mg/Kg-dry	10	3/11/2021
Thallium	ND	1.1		mg/Kg-dry	10	3/11/2021
Vanadium	34	1.1		mg/Kg-dry	10	3/11/2021
Zinc	68	5.7		mg/Kg-dry	10	3/11/2021
Mercury	**SW7471B**			Prep Date: **3/10/2021**		Analyst: **LB**
Mercury	ND	0.020		mg/Kg-dry	1	3/11/2021
Cyanide, Total	**SW9012A**			Prep Date: **3/9/2021**		Analyst: **AJR**
Cyanide	ND	0.29		mg/Kg-dry	1	3/9/2021
pH (25 °C)	**SW9045C**			Prep Date: **3/8/2021**		Analyst: **FN**
pH	7.82			pH Units	1	3/9/2021
Percent Moisture	**D2974**			Prep Date: **3/8/2021**		Analyst: **FN**
Percent Moisture	14.4	0.2	*	wt%	1	3/9/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-004

Client Sample ID: SB-5
Collection Date: 3/8/2021 9:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **3/8/2021**		Analyst: **CBG**
Acetone	ND	0.078		mg/Kg-dry	1	3/9/2021
Benzene	ND	0.0052		mg/Kg-dry	1	3/9/2021
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	3/9/2021
Bromoform	ND	0.0052		mg/Kg-dry	1	3/9/2021
Bromomethane	ND	0.010		mg/Kg-dry	1	3/9/2021
2-Butanone	ND	0.078		mg/Kg-dry	1	3/9/2021
Carbon disulfide	ND	0.052		mg/Kg-dry	1	3/9/2021
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	3/9/2021
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	3/9/2021
Chloroethane	ND	0.010		mg/Kg-dry	1	3/9/2021
Chloroform	ND	0.0052		mg/Kg-dry	1	3/9/2021
Chloromethane	ND	0.010		mg/Kg-dry	1	3/9/2021
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	3/9/2021
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	3/9/2021
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	3/9/2021
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	3/9/2021
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	3/9/2021
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	3/9/2021
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	3/9/2021
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	3/9/2021
2-Hexanone	ND	0.021		mg/Kg-dry	1	3/9/2021
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	3/9/2021
Methylene chloride	ND	0.010		mg/Kg-dry	1	3/9/2021
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	3/9/2021
Styrene	ND	0.0052		mg/Kg-dry	1	3/9/2021
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	3/9/2021
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	3/9/2021
Toluene	ND	0.0052		mg/Kg-dry	1	3/9/2021
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	3/9/2021
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	3/9/2021
Trichloroethene	ND	0.0052		mg/Kg-dry	1	3/9/2021
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	3/9/2021
Xylenes, Total	ND	0.016		mg/Kg-dry	1	3/9/2021
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Acenaphthene	ND	0.039		mg/Kg-dry	1	3/10/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	3/10/2021

Qualifiers:
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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-004

Client Sample ID: SB-5
Collection Date: 3/8/2021 9:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Aniline	ND	0.39		mg/Kg-dry	1	3/10/2021
Anthracene	ND	0.039		mg/Kg-dry	1	3/10/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	3/10/2021
Benzidine	ND	0.39		mg/Kg-dry	1	3/10/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	3/10/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	3/10/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	3/10/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	3/10/2021
Benzoic acid	ND	0.98		mg/Kg-dry	1	3/10/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	3/10/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
Carbazole	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	3/10/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	3/10/2021
Chrysene	ND	0.039		mg/Kg-dry	1	3/10/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	3/10/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	3/10/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
3,3´-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	3/10/2021
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	3/10/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	3/10/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	3/10/2021
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	3/10/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-004

Client Sample ID: SB-5
Collection Date: 3/8/2021 9:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Fluoranthene	ND	0.039		mg/Kg-dry	1	3/10/2021
Fluorene	ND	0.039		mg/Kg-dry	1	3/10/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	3/10/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	3/10/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	3/10/2021
Isophorone	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	3/10/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	3/10/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	3/10/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	3/10/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	3/10/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	3/10/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	3/10/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	3/10/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	3/10/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	3/10/2021
Phenol	ND	0.20		mg/Kg-dry	1	3/10/2021
Pyrene	ND	0.039		mg/Kg-dry	1	3/10/2021
Pyridine	ND	0.79		mg/Kg-dry	1	3/10/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	3/10/2021
PCBs	**SW8082A (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **GVC**
Aroclor 1016	ND	0.094		mg/Kg-dry	1	3/9/2021
Aroclor 1221	ND	0.094		mg/Kg-dry	1	3/9/2021
Aroclor 1232	ND	0.094		mg/Kg-dry	1	3/9/2021
Aroclor 1242	ND	0.094		mg/Kg-dry	1	3/9/2021
Aroclor 1248	ND	0.094		mg/Kg-dry	1	3/9/2021
Aroclor 1254	ND	0.094		mg/Kg-dry	1	3/9/2021
Aroclor 1260	ND	0.094		mg/Kg-dry	1	3/9/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-004

Client Sample ID: SB-5
Collection Date: 3/8/2021 9:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Pesticides		**SW8081B (SW3550B)**		Prep Date: **3/9/2021**		Analyst: **GVC**
4,4´-DDD	ND	0.0019		mg/Kg-dry	1	3/9/2021
4,4´-DDE	ND	0.0019		mg/Kg-dry	1	3/9/2021
4,4´-DDT	ND	0.0019		mg/Kg-dry	1	3/9/2021
Aldrin	ND	0.0019		mg/Kg-dry	1	3/9/2021
alpha-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	3/9/2021
beta-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
Chlordane	ND	0.019		mg/Kg-dry	1	3/9/2021
delta-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
Dieldrin	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endosulfan I	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endosulfan II	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endrin	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	3/9/2021
Endrin ketone	ND	0.0019		mg/Kg-dry	1	3/9/2021
gamma-BHC	ND	0.0019		mg/Kg-dry	1	3/9/2021
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	3/9/2021
Heptachlor	ND	0.0019		mg/Kg-dry	1	3/9/2021
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	3/9/2021
Methoxychlor	ND	0.0019		mg/Kg-dry	1	3/9/2021
Toxaphene	ND	0.039		mg/Kg-dry	1	3/9/2021
Metals by ICP/MS		**SW6020A (SW3050B)**		Prep Date: **3/11/2021**		Analyst: **JG**
Aluminum	15000	20		mg/Kg-dry	10	3/11/2021
Antimony	ND	2.0		mg/Kg-dry	10	3/12/2021
Arsenic	11	1.0		mg/Kg-dry	10	3/11/2021
Barium	100	1.0		mg/Kg-dry	10	3/11/2021
Beryllium	0.78	0.50		mg/Kg-dry	10	3/12/2021
Cadmium	ND	0.50		mg/Kg-dry	10	3/11/2021
Calcium	85000	60		mg/Kg-dry	10	3/12/2021
Chromium	26	1.0		mg/Kg-dry	10	3/11/2021
Cobalt	16	1.0		mg/Kg-dry	10	3/11/2021
Copper	31	2.5		mg/Kg-dry	10	3/11/2021
Iron	29000	30		mg/Kg-dry	10	3/12/2021
Lead	18	0.50		mg/Kg-dry	10	3/11/2021
Magnesium	40000	30		mg/Kg-dry	10	3/11/2021
Manganese	630	1.0		mg/Kg-dry	10	3/11/2021
Nickel	41	1.0		mg/Kg-dry	10	3/11/2021

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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-004

Client Sample ID: SB-5
Collection Date: 3/8/2021 9:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020A (SW3050B)**			Prep Date: **3/11/2021**		Analyst: **JG**
Potassium	3400	30		mg/Kg-dry	10	3/11/2021
Selenium	ND	1.0		mg/Kg-dry	10	3/11/2021
Silver	ND	1.0		mg/Kg-dry	10	3/11/2021
Sodium	1600	60		mg/Kg-dry	10	3/11/2021
Thallium	ND	1.0		mg/Kg-dry	10	3/11/2021
Vanadium	31	1.0		mg/Kg-dry	10	3/11/2021
Zinc	67	5.0		mg/Kg-dry	10	3/11/2021
Mercury	**SW7471B**			Prep Date: **3/10/2021**		Analyst: **LB**
Mercury	ND	0.019		mg/Kg-dry	1	3/11/2021
Cyanide, Total	**SW9012A**			Prep Date: **3/9/2021**		Analyst: **AJR**
Cyanide	ND	0.29		mg/Kg-dry	1	3/9/2021
pH (25 °C)	**SW9045C**			Prep Date: **3/8/2021**		Analyst: **FN**
pH	7.97			pH Units	1	3/9/2021
Percent Moisture	**D2974**			Prep Date: **3/8/2021**		Analyst: **FN**
Percent Moisture	15.2	0.2	*	wt%	1	3/9/2021

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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-005

Client Sample ID: SB-6
Collection Date: 3/8/2021 9:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **3/8/2021**		Analyst: **CBG**
Acetone	ND	0.071		mg/Kg-dry	1	3/9/2021
Benzene	ND	0.0047		mg/Kg-dry	1	3/9/2021
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	3/9/2021
Bromoform	ND	0.0047		mg/Kg-dry	1	3/9/2021
Bromomethane	ND	0.0095		mg/Kg-dry	1	3/9/2021
2-Butanone	ND	0.071		mg/Kg-dry	1	3/9/2021
Carbon disulfide	ND	0.047		mg/Kg-dry	1	3/9/2021
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	3/9/2021
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	3/9/2021
Chloroethane	ND	0.0095		mg/Kg-dry	1	3/9/2021
Chloroform	ND	0.0047		mg/Kg-dry	1	3/9/2021
Chloromethane	ND	0.0095		mg/Kg-dry	1	3/9/2021
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	3/9/2021
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	3/9/2021
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	3/9/2021
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	3/9/2021
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	3/9/2021
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	3/9/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	3/9/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	3/9/2021
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	3/9/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	3/9/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	3/9/2021
Methylene chloride	ND	0.0095		mg/Kg-dry	1	3/9/2021
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	3/9/2021
Styrene	ND	0.0047		mg/Kg-dry	1	3/9/2021
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	3/9/2021
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	3/9/2021
Toluene	ND	0.0047		mg/Kg-dry	1	3/9/2021
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	3/9/2021
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	3/9/2021
Trichloroethene	ND	0.0047		mg/Kg-dry	1	3/9/2021
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	3/9/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	3/9/2021
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Acenaphthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Acenaphthylene	ND	0.038		mg/Kg-dry	1	3/10/2021

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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-005

Client Sample ID: SB-6
Collection Date: 3/8/2021 9:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Aniline	ND	0.38		mg/Kg-dry	1	3/10/2021
Anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzidine	ND	0.38		mg/Kg-dry	1	3/10/2021
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Benzoic acid	ND	0.95		mg/Kg-dry	1	3/10/2021
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	3/10/2021
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	3/10/2021
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	3/10/2021
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	3/10/2021
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	3/10/2021
Carbazole	ND	0.19		mg/Kg-dry	1	3/10/2021
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	3/10/2021
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	3/10/2021
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	3/10/2021
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	3/10/2021
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	3/10/2021
Chrysene	ND	0.038		mg/Kg-dry	1	3/10/2021
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	3/10/2021
Dibenzofuran	ND	0.19		mg/Kg-dry	1	3/10/2021
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	3/10/2021
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	3/10/2021
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	3/10/2021
3,3´-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	3/10/2021
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	3/10/2021
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	3/10/2021
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	3/10/2021
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	3/10/2021
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	3/10/2021
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	3/10/2021
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	3/10/2021
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	3/10/2021
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	3/10/2021
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	3/10/2021

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Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-005

Client Sample ID: SB-6
Collection Date: 3/8/2021 9:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **DM**
Fluoranthene	ND	0.038		mg/Kg-dry	1	3/10/2021
Fluorene	ND	0.038		mg/Kg-dry	1	3/10/2021
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	3/10/2021
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	3/10/2021
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	3/10/2021
Hexachloroethane	ND	0.19		mg/Kg-dry	1	3/10/2021
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Isophorone	ND	0.19		mg/Kg-dry	1	3/10/2021
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	3/10/2021
2-Methylphenol	ND	0.19		mg/Kg-dry	1	3/10/2021
4-Methylphenol	ND	0.19		mg/Kg-dry	1	3/10/2021
Naphthalene	ND	0.038		mg/Kg-dry	1	3/10/2021
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	3/10/2021
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	3/10/2021
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	3/10/2021
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	3/10/2021
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	3/10/2021
Nitrobenzene	ND	0.038		mg/Kg-dry	1	3/10/2021
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	3/10/2021
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	3/10/2021
N-Nitrosodiphenylamine	ND	0.038		mg/Kg-dry	1	3/10/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	3/10/2021
Pentachlorophenol	ND	0.038		mg/Kg-dry	1	3/10/2021
Phenanthrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Phenol	ND	0.19		mg/Kg-dry	1	3/10/2021
Pyrene	ND	0.038		mg/Kg-dry	1	3/10/2021
Pyridine	ND	0.77		mg/Kg-dry	1	3/10/2021
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	3/10/2021
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	3/10/2021
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	3/10/2021
PCBs	**SW8082A (SW3550B)**			Prep Date: **3/9/2021**		Analyst: **GVC**
Aroclor 1016	ND	0.091		mg/Kg-dry	1	3/9/2021
Aroclor 1221	ND	0.091		mg/Kg-dry	1	3/9/2021
Aroclor 1232	ND	0.091		mg/Kg-dry	1	3/9/2021
Aroclor 1242	ND	0.091		mg/Kg-dry	1	3/9/2021
Aroclor 1248	ND	0.091		mg/Kg-dry	1	3/9/2021
Aroclor 1254	ND	0.091		mg/Kg-dry	1	3/9/2021
Aroclor 1260	ND	0.091		mg/Kg-dry	1	3/9/2021

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Date Reported: March 15, 2021
Date Printed: March 15, 2021

ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-005

Client Sample ID: SB-6
Collection Date: 3/8/2021 9:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Pesticides		**SW8081B (SW3550B)**		Prep Date: **3/9/2021**		Analyst: **GVC**
4,4´-DDD	ND	0.0018		mg/Kg-dry	1	3/9/2021
4,4´-DDE	ND	0.0018		mg/Kg-dry	1	3/9/2021
4,4´-DDT	ND	0.0018		mg/Kg-dry	1	3/9/2021
Aldrin	ND	0.0018		mg/Kg-dry	1	3/9/2021
alpha-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	3/9/2021
beta-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
Chlordane	ND	0.018		mg/Kg-dry	1	3/9/2021
delta-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
Dieldrin	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endosulfan I	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endosulfan II	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endrin	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	3/9/2021
Endrin ketone	ND	0.0018		mg/Kg-dry	1	3/9/2021
gamma-BHC	ND	0.0018		mg/Kg-dry	1	3/9/2021
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	3/9/2021
Heptachlor	ND	0.0018		mg/Kg-dry	1	3/9/2021
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	3/9/2021
Methoxychlor	ND	0.0018		mg/Kg-dry	1	3/9/2021
Toxaphene	ND	0.038		mg/Kg-dry	1	3/9/2021
Metals by ICP/MS		**SW6020A (SW3050B)**		Prep Date: **3/11/2021**		Analyst: **JG**
Aluminum	16000	20		mg/Kg-dry	10	3/11/2021
Antimony	ND	2.0		mg/Kg-dry	10	3/12/2021
Arsenic	10	1.0		mg/Kg-dry	10	3/11/2021
Barium	96	1.0		mg/Kg-dry	10	3/11/2021
Beryllium	0.83	0.50		mg/Kg-dry	10	3/12/2021
Cadmium	ND	0.50		mg/Kg-dry	10	3/11/2021
Calcium	68000	60		mg/Kg-dry	10	3/12/2021
Chromium	27	1.0		mg/Kg-dry	10	3/11/2021
Cobalt	15	1.0		mg/Kg-dry	10	3/11/2021
Copper	28	2.5		mg/Kg-dry	10	3/11/2021
Iron	29000	30		mg/Kg-dry	10	3/12/2021
Lead	17	0.50		mg/Kg-dry	10	3/11/2021
Magnesium	32000	30		mg/Kg-dry	10	3/11/2021
Manganese	470	1.0		mg/Kg-dry	10	3/11/2021
Nickel	39	1.0		mg/Kg-dry	10	3/11/2021

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Date Reported: March 15, 2021
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ANALYTICAL RESULTS

Client: GSG Consultants, Inc.
Work Order: 21030212 Revision 0
Project: 75th Street, Drilling Naperville
Lab ID: 21030212-005

Client Sample ID: SB-6
Collection Date: 3/8/2021 9:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020A (SW3050B)**			Prep Date: **3/11/2021**		Analyst: **JG**
Potassium	3100	30		mg/Kg-dry	10	3/11/2021
Selenium	ND	1.0		mg/Kg-dry	10	3/11/2021
Silver	ND	1.0		mg/Kg-dry	10	3/11/2021
Sodium	1100	60		mg/Kg-dry	10	3/11/2021
Thallium	ND	1.0		mg/Kg-dry	10	3/11/2021
Vanadium	31	1.0		mg/Kg-dry	10	3/11/2021
Zinc	63	5.0		mg/Kg-dry	10	3/11/2021
Mercury	**SW7471B**			Prep Date: **3/10/2021**		Analyst: **LB**
Mercury	ND	0.022		mg/Kg-dry	1	3/11/2021
Cyanide, Total	**SW9012A**			Prep Date: **3/9/2021**		Analyst: **AJR**
Cyanide	ND	0.29		mg/Kg-dry	1	3/9/2021
pH (25 °C)	**SW9045C**			Prep Date: **3/8/2021**		Analyst: **FN**
pH	8.02			pH Units	1	3/9/2021
Percent Moisture	**D2974**			Prep Date: **3/8/2021**		Analyst: **FN**
Percent Moisture	13.4	0.2	*	wt%	1	3/9/2021

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CHAIN OF CUSTODY RECORD

Nº: 914900 **Page : 1 of 1**

Company: GSG Consultants, Inc.
Project Number: Client Tracking No.:
Project Name: 75th Street Drilling Naperville
Project Location:
Sampler(s): JB, JEB
Report To: Ted Cagney Phone:
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 ___ e-mail: tcagney@gsg-consultants.com

Target Compound List

Quote No.:
P.O. No.:
Turn Around Time (Days): 1 2 3 4 (5-7) 10
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Additional Information:	Lab No.:
SB-1	03/08/21	0900	S		X		5		001
SB-2	↓	0910	↓		↓		↓		002
SB-4		0920							003
SB-5		0930							004
SB-6		0940							005

Relinquished by: (Signature) Date/Time: 03/08/21 1100
Received by: (Signature) Date/Time: 3/8/21 1100
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:

Preservation Code: A = None B = HNO_3 C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: 21030212

Received on Ice: Yes ✓ No

Temperature: 5.8 °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name GSG

Date and Time Received: 3/8/2021 11:00:00 AM

Work Order Number 21030212

Received by: EAA

Checklist completed by: EL 3/8/21 (Signature / Date)

Reviewed by: CT 3/8/21 (Initials / Date)

Matrix:

Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature	5.8 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐	
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:	
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?	

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted: Date contacted: Contacted by:

Response: