foundation mechanics

SUBMITTAL

ISTHA RR-20-4544
I-88 Reagan Memorial Tollway
M-8 Maintenance Facility WB Access Road
Kane County, MP 117.4 to 117.5

Date: 5/28/2021

SUBMITTAL TITLE: A-51 Earthwork Construction Plan

VOLUME_SECTION_CSI CODE: JT669030

SPECIFICATION DEVIATION OR SUBSTITUION REQUEST: No.

This package is inclusive of the Tollway A-51 form & corresponding Earthwork Construction Plan.

Foundation Mechanics hereby certifies a thorough review has been conducted verifying conformance with contract documents.

PREPARED BY: Tim DeSimone

MOBILE: 630-701-5098

Illinois Tollway **A-51**
Earthwork Construction Plan (ECP)

The Contractor shall submit this Earthwork Construction Plan (ECP), describing the methods and manners in which earthwork and soils will be managed during construction activities. The A-51 ECP is applicable for all field personnel working in areas regulated under the special provision(s). The Regulated Substances Health and Safety Plan (RSHASP), an attachment to the A-51 ECP, shall pertain to the Contractor, Illinois Tollway representatives and any visitors at the site. After approval, the A-51 ECP shall be revised, as necessary, to reflect changed conditions in the field.

Section 1.

A. Project Information

Contract Number	Route	Mile Posts	County
RR-20-4544	I-88 Reagan Memorial Tollway	117.4 to 117.5	Kane

Municipality(ies)
North Aurora

B. Endorsement

This plan must be approved by the Contractor's Quality Manager or Project Manager to comply with the plans, specifications and special provisions for management of regulated substances during construction activities.

Print Name	Title	Company/Firm
Tim DeSimone	Quality Control Manager	Foundation Mechanics

☒ By checking this box and typing my name below, I certify this plan has been approved by the Contractor's Quality Manager or Project Manager.

Signature	Date
Tim DeSimone	5/25/2021

Section 2. Earthwork Management Plan

Do you plan to stockpile more than 10,000 cubic yards of excavated material within the contract limits for a time greater than 7 days? ☐ Yes ☒ No

If yes, provide a plan sheet as Attachment 1 showing locations and volume of earthwork stockpile, windrow, filling in low areas or other. Contractor will provide the duration of the stockpile at each location by stage.

When the Contractor proposes to stockpile excavated material outside the contract limits or off Tollway right-of-way, the Contractor shall obtain and file with the Engineer permission in writing, from the property owner, for the use of the property for this purpose in accordance with 107.22 of the Supplemental Specifications. The Contractor shall provide a plan sheet as Attachment 1 showing locations and volume of earthwork stockpile, windrow, filling in low areas or other. Contractor will provide the duration of the stockpile at each location by stage.

Describe earthwork stockpile management by contract stage. Include how different waste streams, reuse types, suitable vs. unsuitable soil will be kept separate.

Mark all of the following earthwork items which differed from the contract quantities. (update throughout contract)

☐ Earth Excavation
☐ Rock Excavation
☐ Furnished Excavation
☐ Removal and Disposal of Unsuitable Material
☐ Structure Excavation
☐ Topsoil Excavation and Placement
☐ Topsoil Excavation and Disposal
☐ Topsoil Furnish and Place, 4"
☐ Non-Special Waste Disposal, Type 1
☐ Hazardous Waste Disposal
☐ Incidental Earth Excavation
☐ Performance based items

For all marked items, describe preferred method of management (add attachments as necessary, such as maps, survey points and any additional information requested by the Engineer)

Do you plan to temporarily place material outside the contract excavation limits or permanently waste excess material outside the contract grade lines? ☐ Yes ☒ No

If yes, the Contractor is required to submit the A-50 process for review and approval by the Tollway.

Section 3. Experience and Qualifications (Disposal of Regulated Substances and Uncontaminated Soil special provision)

Does the contract include the Disposal of Regulated Substances and Uncontaminated Soil special provision AND more than 300 cubic yards of earthwork excavation? ☒ Yes ☐ No

If yes, complete Section 3. If no, Section 3 is not required.

A. Experience

The Contractor, or firm, herein referred to collectively as Contractor, performing the regulated substances monitoring, field screening and/or additional sampling shall be pre-qualified in Hazardous Waste (Simple or Advanced) by IDOT, or demonstrate acceptable project experience. Acceptable project experience includes, but is not limited to, having completed at least five (5) documented Leaking Underground Storage Tank (LUST); and/or five (5) Site Remediation Program (SRP) cleanups following 35 Ill. Adm. Code 734, 740 or 742 within the last ten (10) years. Acceptable qualifications shall also be demonstrated with project experience in remediation and regulated substances operations in accordance with applicable federal, State or local regulatory requirements. Documentation of qualifications shall be provided to the Engineer for evaluation and acceptance. Acceptable project documentation shall include, at a minimum, the regulatory identification numbers, project completion dates and description of the Contractor's role in the projects.

The qualified soils monitoring personnel performing work shall have a minimum of one-year of experience in roadway construction, OSHA 40-Hour HAZWOPER Training and current certification of completion for the Annual 8-Hour HAZWOPER Refresher.

Provide a list of proposed subcontractors, relevant project experience and the work that each will perform related to environmental or regulated substances services.

Company/Firm's Name	Company/Firm's Address
True North Consultants	1000 E. Warrenville Road, Suite 140
Contact Name	**Contact Title**
Brian Mihelich	Executive Vice President
Phone Number	**Email Address**
630-717-2880	bmihelich@consulttruenorth.com

Work To Be Performed

Soil Disposal Analysis, Earthwork Construction Plan, Earthwork Final Construction Report, On-site Monitoring/Oversight of Regulated Substances, and

Personnel*	Duties	Years Related Experience	HAZWOPER 40-Hour (Y/N)	8-Hour HAZWOPER Refresher Date	8-Hour Supervisor Training (Y/N)
Brian Mihelich	Earthwork Construction Plan, Soil Disposal Analysis, Onsite Monitoring of Regulated Substances	28	Y	5/2/2021	Y
Michael Brennan	Preparation of RSHASP	21	Y	4/30/2021	Y
Marjory Bredrup	Earthwork Construction Plan, Soil Disposal Analysis, Onsite Monitoring of Regulated Substances	11	Y	10/1/2020	N
Melissa Kupczyk	Earthwork Construction Plan, Soil Disposal Analysis, Onsite Monitoring of Regulated Substances	3	Y	5/13/2021	N
Roy Bass	Onsite Monitoring of Regulated Substances	7	Y	4/15/2021	Y
Tyler Clark	Onsite Monitoring of Regulated Substances	3	Y	4/26/2021	Y
Marina Greenwell	Onsite Monitoring of Regulated Substances	3	Y	4/23/2021	Y
Mark Dreher	Onsite Monitoring of Regulated Substances	2	Y	4/23/2021	Y
Brody Poss	Soil Disposal Analysis, Onsite Monitoring of Regualted Substances	1	Y	4/21/2021	Y
Maddy Rodgers	Onsite Monitoring of Regulated Substances	1	Y	1/3/2021	N
Alison Graczyk	Soil Disposal Analysis, Onsite Monitoring of Regualted Substances	1	Y	4/20/2021	Y
Joseph Hiltenbrand	Soil Disposal Analysis, Onsite Monitoring of Regualted Substances	1	Y	4/20/2021	Y

* Personnel includes those physically conducting soils monitoring, soil disposal and other regulated substances field activities, the person preparing the RSHASP and related duties.

Is the contractor or firm pre-qualified in Hazardous Waste by IDOT? ☒ Yes ☐ No

☒ Hazardous Waste - Simple ☐ Hazardous Waste - Advanced

SEFC ID Number	Date Approved (Not Submitted)
See attached letter	January 13, 2020

If not pre-qualified, complete Section 3.B.

B. Contractors and Subcontractors Completing Regulated Substance Work or Disposal of Uncontaminated Soil

Project Experience (5 projects minimum)

Project # 1 Name	IEPA LCP Number

IEMA Incident Number

Applicable Regulation(s)

Period Firm Worked on Project

From Date To Date

Company/Firm's Responsibilities

Project Status (Include NFR or 4Y Date, if applicable)

Project # 2 Name

IEPA LCP Number

IEMA Incident Number

Applicable Regulation(s)

Period Firm Worked on Project

From Date To Date

Company/Firm's Responsibilities

Project Status (Include NFR or 4Y Date, if applicable)

Project # 3 Name

IEPA LCP Number

IEMA Incident Number

Applicable Regulation(s)

Period Firm Worked on Project

From Date To Date

Company/Firm's Responsibilities

Project Status (Include NFR or 4Y Date, if applicable)

Project # 4 Name

IEPA LCP Number

IEMA Incident Number

Applicable Regulation(s)

Period Firm Worked on Project

From Date To Date

Company/Firm's Responsibilities

Project Status (Include NFR or 4Y Date, if applicable)

Project # 5 Name

IEPA LCP Number

IEMA Incident Number

Applicable Regulation(s)

Period Firm Worked on Project

From Date To Date

Company/Firm's Responsibilities

Project Status (Include NFR or 4Y Date, if applicable)

C. Attach resume for soils monitoring and other personnel required to have specialized training for the work to be performed as Attachment 2.

D. Contractor must attach a copy of the current certification of completion of the Annual 8-Hour HAZWOPER Refresher for each person assigned soils monitoring duties as Attachment 3. (Include personnel preparing the RSHASP)

Does the Contractor or subcontractor have any current or former ties within, adjoining or potentially affecting this construction project?

☐ Yes ☒ No

If yes, please describe

Section 4. Soil Disposal Operation Plan (SDOP) (Disposal of Regulated Substances and Uncontaminated Soil special provision)

Does the contract include Disposal of Regulated Substances and Uncontaminated Soil special provision AND more than

300 cubic yards of earthwork excavation? ☒ Yes ☐ No

If yes, complete Section 4. If no, Section 4 is not required.

A. Mark all Earthwork Management concerns that apply.

☒ Soil Management

☐ UST Removal

☐ Engineered Barriers

☐ Groundwater Management

☐ Backfill Plugs

☒ Landfill Waste Disposal Characterization Sample(s) 1 Number of Landfill Waste Disposal Characterization Samples

☐ Other, describe below

B. Outline the procedures to mobilize all required subcontractors' materials and equipment in a timely fashion and provisions to continue work in the regulated substances areas identified in the plans and special provision.

See ECP Narrative Section 2.0 for subcontractor list and responsibilities. ISTHA and Engineer will be given 48 hr notice for the start of treatment activities.

C. Describe the methods that will be used to manage soil and/or groundwater for each regulated area. Include a description of disposal methods and name of receiving facility for regulated substances and uncontaminated soil, if applicable, or state if the material will remain on-site. If material is taken to a location other than a CCDD/USFO facility or landfill, provide an approval letter from the property owner as Attachment 4.

(Best Management Practice - copy and paste regulated substances special provision and discuss each area)

See ECP Narrative Section 4.0

D. Provide as Attachment 5: site maps illustrating location(s) of soil and/or ground waste management areas, engineered barriers, backfilled plugs, landfill waste disposal characterization sample locations, stations and other pertinent information.

Section 5. Regulated Substances Health and Safety Plan (RSHASP) (Hazardous Waste or Disposal Type 1)

Does the contract include 1) hazardous waste OR 2) non-special waste (Disposal Type 1) as defined in the Disposal of Regulated Substances and Uncontaminated Soil special provision AND more than 300 cubic yards of earthwork excavation? ☒ Yes ☐ No

If yes, complete Section 5. If no, Section 5 is not required.

The contractor shall develop a project specific RSHASP and submit the plan as Attachment 6.

The RSHASP shall specify procedures and equipment to protect site workers and observers from hazards encountered during activities in locations containing regulated substances. **A qualified Industrial Hygienist or Health and Safety Specialist shall prepare the Regulated Substances Health and Safety Plan. The Contractor's Corporate Officer responsible for worker health and safety shall approve and sign the plan before submittal to the Illinois Tollway.**

A qualified Industrial Hygienist is defined as having a minimum of five years of experience in the industrial hygiene field, an academic degree in a related science field, and successful completion of two days of testing presented by the American Board of Industrial Hygiene. A Certified Industrial Hygienist (CIH) meets the above definition.

A qualified Health and Safety Specialist is defined as having a minimum of three years of experience in hazardous waste

operations, familiar with applicable health and safety procedures and protocols and holds current training status according to 29 CFR 1910.120. This person may be a Certified Safety Professional (CSP) or an Illinois Registered Professional Engineer. A CSP has a minimum of four years of professional safety experience, has a baccalaureate degree in safety and has successfully completed the safety fundamentals examination and subsequent specialty examination presented by the Board of Certified Safety Professionals.

The Contractor's corporate officer responsible for the Contractor's health and safety program and approval of the RSHASP shall be able to identify hazards; assess employee exposure and risk; have knowledge of Occupational Safety and Health Administration (OSHA) standards, hazards correction techniques and practices, work place safety and health program requirements. This person shall also be able to effectively communicate this knowledge both orally and in writing or contract for these abilities with a qualified Industrial Hygienist or Health and Safety Specialist.

The responsibility for the implementation and enforcement of all health and safety requirements lies solely with the Contractor. The Contractor shall take all necessary precautions for the safety of, and provide the necessary protection to prevent damage, injury or loss to construction personnel performing work within the exclusion and decontamination zones. The Contractor shall ensure all workers involved in any activities within the regulated substances locations or associated with the regulated substances are conversant with all the requirements of RSHASP and have signed off and dated personal acknowledgment of the plan. The Contractor shall post copies of RSHASP at various locations throughout the work area to facilitate spontaneous review.

A. Zones. Three distinct zones (exclusion, decontamination, and support) shall apply to projects adjacent to or within documented leaking underground storage tank (LUST) incidents, or under management in accordance with the requirements of the Site Remediation Program (SRP) Resource Conservation and Recovery Act (RCRA) or Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or as deemed necessary in the special provision(s).

1. Exclusion Zones are the areas where contamination does or could occur. These zones have the highest inhalation exposure potential and/or a high probability of skin contact with potential contaminants/contaminated material. The exclusion zone designation shall remain until the entire excavated area has been completely backfilled. The Contractor shall ensure that neither their employees nor subcontractors execute maintenance nor repair operations on equipment located in the exclusion zone.

2. Decontamination Zones are areas established to prevent the transfer of contaminants outside the exclusion zones. This zone eliminates the possibility of the physical transfer of contaminating substances on people, equipment, or in the air to unregulated areas. A combination of decontamination, distance from active work areas, zone restrictions, and work function shall eliminate the possibility of physical transfer of contamination. This zone has the next highest inhalation hazard, but does not pose a high probability of skin contact. This zone shall contain the equipment decontamination facility, areas designated for personnel decontamination and emergency equipment.

3. Support zones shall include the remaining areas of the job site. This zone shall contain the change and shower rooms, lunch and break areas, operation direction and support facilities (including supplies, equipment storage and maintenance areas). No equipment or personnel shall enter the support zone from the exclusion zone without passing through the personnel or equipment decontamination zone. Eating, drinking, smoking, etc., shall be allowed only in this zone.

   The Contractor shall ensure each worker has the proper personal protective equipment for the zone and location in which he/ she is to perform construction or material management activities. The Contractor shall be responsible for providing all personal protective equipment required by the Illinois Tollway and Contractor personnel. The Contractor shall define the provisions for personal protective equipment in the RSHASP.

   The Contractor, through the RSHASP, shall determine the appropriate level of protection. The Contractor shall ensure the appropriate protective equipment is being used during activities in the exclusion zone and decontamination zone. The Contractor shall notify the Engineer of any variations from the defined levels of protection as stipulated in the Contractor's health and safety plan in writing before implementation of the modifications.

B. Decontamination. All personnel who have participated in construction or soil management activities within the exclusion zone shall go through decontamination. Additionally, the Contractor shall perform a wet and/or dry decontamination process on excavation and construction equipment as specified when equipment is in contact with contaminated material. No equipment or vehicle shall track visible material from a contaminated facility.

1. Personnel Decontamination. All outer protective clothing used by personnel who contact contaminated material while in the exclusion zone shall be collected in plastic bags and placed in leak-proof sealable containers, such as 55 gal (208 L) open-top drums. The Contractor shall transport all containers to a secure staging area for temporary storage. The Contractor shall inform the Engineer of the time and manner of disposal of containers containing contaminated protective clothing. The Contractor shall be responsible for transporting and disposing of the containers. The Contractor shall be responsible for ensuring the personnel decontamination portion of this zone contains clean, unused 6 mil (150 micron) polyethylene sheeting.

2. Equipment Decontamination.

   a. Dry Decontamination. The Contractor shall perform dry decontamination on equipment that has contacted material classified as a non-special waste, special waste or hazardous waste before moving that equipment to any other location, whether the new location is contaminated or uncontaminated. Dry equipment decontamination shall consist of the removal of material from excavation and construction equipment parts, such as shovels, wheel tracks, and buckets. During dry decontamination, the Contractor shall ensure that removed contaminated material does not contact the ground surface. The Contractor shall place all contaminated material removed during dry decontamination with contaminated material of similar classification and dispose of it with other excavated material from the facility location.

   b. Wet Decontamination. The Contractor shall perform the wet decontamination process when construction/soil management activities associated with non-special waste, special waste, or hazardous waste are followed by construction/soil management activities associated with uncontaminated excavation or fill material. If the Engineer observes residual and/ or non-special waste, special waste or hazardous waste material during the initial (or subsequent) inspection of equipment, the Engineer will require the Contractor to perform either wet and/or dry decontamination before approving equipment for use at another location. Before departure from the project area, all equipment and vehicles contacting contaminated material shall be wet decontaminated by the Contractor.

      Personnel shall perform all wet equipment decontamination within the decontamination zone on equipment decontamination pad(s). The Contractor shall be responsible for the construction and maintenance of the decontamination pad(s) and for all equipment, materials and personnel. The pad(s) shall be designed to prevent loss of decontamination liquids to the surrounding environment through vertical infiltration and/or surface runoff from any part of the pad(s).

      The Contractor shall place all removed wastes from the decontamination pad(s) in leak-proof containers and store temporarily in a secure staging area. The Contractor shall containerize the solids separate from the liquids. The Contractor shall be responsible for the transport and disposal of all waste generated from the decontamination process.

C. Health and Safety Training. The Contractor shall indicate the designated environmental professional and the project safety officer responsible for monitoring activities within designated exclusion or decontamination zones have successfully completed the initial 40-hour Health and Safety Training Course and are current with refresher training pursuant to applicable federal, State and/or local standards, including OSHA requirements under 29 CFR 1910.120 (HAZWOPER). The personnel required to have training in accordance with 29 CFR 1910.120 shall have certifications of completion for the Annual 8-Hour HAZWOPER Refresher with them on the jobsite while working in areas regulated under the special provision(s). The designated environmental professional responsible for monitoring activities shall also have successfully completed an additional 8-Hour Supervisor Training Course pursuant to applicable federal, State and/or local standards, including OSHA requirements under 29 CFR 1910.120. The Contractor is responsible for ensuring that other contractor and subcontractor personnel required to be trained under 29 CFR 1920.120 have received

required training and updates.

D. Medical Exams. The Contractor shall indicate all personnel in his/her work force who are required to have the training described in Section 5C of this form have received and passed a current medical examination as required under applicable federal, State and/or local standards. The Contractor is responsible for ensuring that other contractor and subcontractor personnel subject to medical monitoring under 29 CFR 1910.120 have received and passed a current medical examination under applicable federal, State and/or local standards.

RSHASP is attached: ☒ Yes ☐ No

Are medical exams for field personnel required under 29 CFR 1910.120? ☒ Yes ☐ No

If yes, are medical exams current for field personnel? ☒ Yes ☐ No

Section 6. Regulated Substances Erosion Control Plan (RSECP) (Hazardous Waste or Disposal Type 1)

Does the contract include 1) hazardous waste OR 2) non-special waste (Disposal Type 1) as defined in the Disposal of Regulated Substances and Uncontaminated Soil special provision AND more than 300 cubic yards of earthwork excavation? ☒ Yes ☐ No

If yes, complete Section 6. If no, Section 6 is not required.

The Contractor shall prevent flow of precipitation storm water into excavated areas that contain regulated substances. The Contractor shall divert all storm water away from the exclusion and decontamination zones using appropriate storm water erosion control methods.

Provide a description of how the Contractor plans to prevent precipitation storm water flowing into excavated areas and how all storm water will be diverted away from the exclusion and decontamination zones.

See ECP Section 7.0

Failure to use appropriate measures to divert storm water will subject the Contractor to removing and properly containing the water at their own expense. The Contractor shall provide pumps and collect standing water from the excavation before continuing removal activities or other construction activities. The Contractor shall collect the removed water, place it in leak-proof storage containers and store it in a secure staging area for future testing by the Contractor. The Contractor shall ensure the storage containers have access points to facilitate sampling. The Contractor shall inform the Engineer about management and disposal requirements for the water following the evaluation of the analytical results.

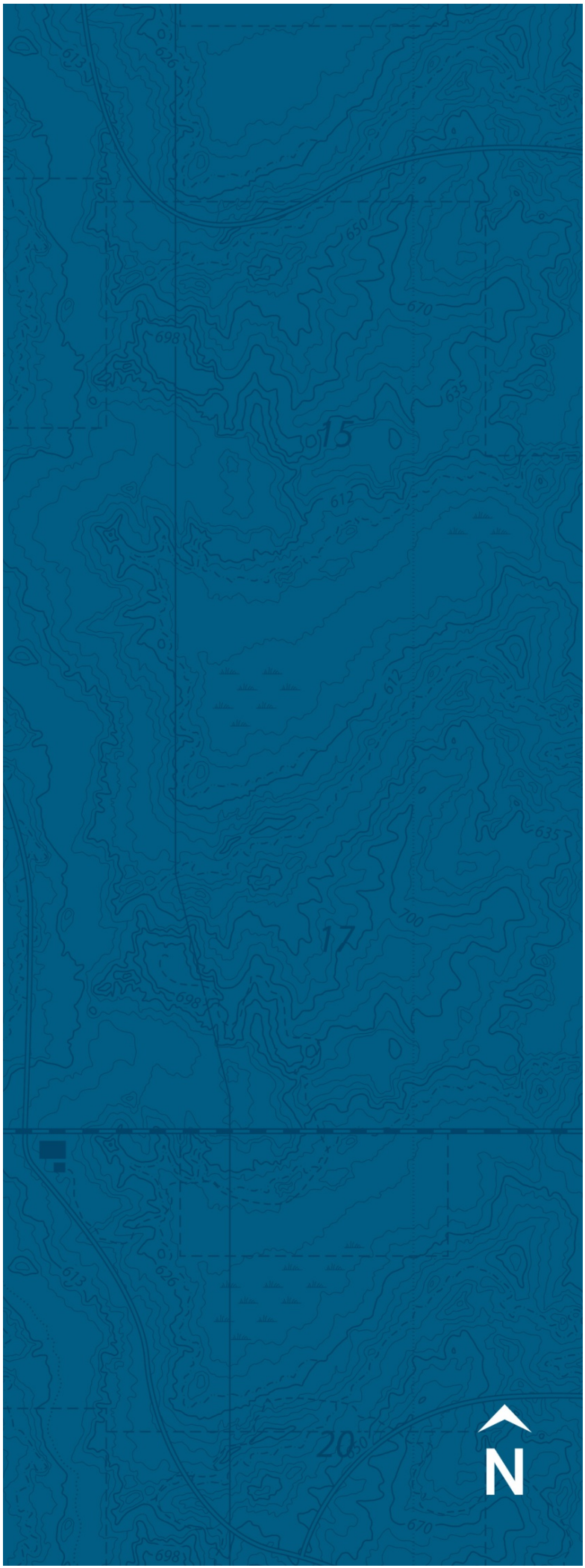
Provide a description of the Contractor's plan to collect, transfer, test, store and dispose of potentially impacted water from construction areas.

See ECP Section 7.0

The Contractor shall control and minimize the release of dust during non-special waste, special waste or hazardous waste removal activities. The Contractor may use water or acceptable chemicals to control dust emissions. Within the RSECP, the Contractor shall include a description of intended dust control measures.

Provide a description of the Contractor's plan for dust control measures.

See ECP Section 7.0



Earthwork Construction Plan (ECP)

ISTHA RR-20-4544
Reagan Memorial Tollway (I-88)
M-8 Maintenance Facility and Westbound Access Road

M.P. 117.4 to M.P. 117.5
IL 25 to Plaza 61
Kane County, Illinois

PREPARED FOR

Foundation Mechanics
8604 West Catalpa Avenue, Suite 907
Chicago, Illinois 60656

PREPARED BY

True North Consultants, Inc.
1000 East Warrenville Road, Suite 140
Naperville, Illinois 60563
Tele: 630.717.2880

PROJECT NUMBER

T121215

SUBMITTED ON

May 28, 2021

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APPENDICES

1.0 INTRODUCTION

1.1 Purpose

True North Consultants, Inc. (True North, the Environmental Consultant) has prepared this Earthwork Construction Plan (ECP) on behalf of Foundation Mechanics (Foundation, the Contractor) to outline the provisions necessary to mobilize subcontractors and procedures to continue work in special provision areas. This ECP includes the Soil Disposal Operation Plan (SDOP); Regulated Substances Health and Safety Plan (RSHASP) and Regulated Substances Erosion Control Plan (RSECP).

1.2 Background

The project is located along the Reagan Memorial Tollway (I-88) from mile post 117.4 to mile post 117.5, in Kane County, Illinois (Site). Figure 1 identifies the approximate location of the project area.

The work consists of the construction of a Tollway maintenance vehicle access ramp from WB I-88 to Mettel Road, installation of a new retaining wall, lighting and drainage improvements, maintenance of traffic, earthwork, landscape and erosion control work, and other incidental and miscellaneous items of work as shown on the Plans.

Previous environmental site assessment and investigation activities were performed at the Site. The findings of those assessment and investigation activities are summarized in the following documents:

- *Phase I Environmental Site Assessment, Reagan Memorial Tollway (I-88) M8 Access Study, Aurora, Kane County, Illinois. Prepared by Huff & Huff Incorporated, December 9, 2020.*
- *Phase II Limited Subsurface Investigation, M8 Access Study, Reagan Memorial Tollway, Aurora, Illinois. Prepared by Huff & Huff Incorporated, December 9, 2020.*

The above referenced documents are on file with the Illinois State Toll Highway Authority (ISTHA) and contain the specifics regarding the investigations.

1.3 Objectives

The objectives of this Plan are to:

- Outline procedures to mobilize required subcontractors,
- Identify proposed subcontractors, their services and qualifications,
- Define procedures to work within areas determined to be contaminated,
- Identify site specific health & safety procedures for working in contaminated areas, and

- Identify soil erosion control measures within contaminated areas.

1.4 Document Organization

The Plan is organized as follows:

INTRODUCTION – The introduction describes the purpose, background, objectives and content of the plan.

PROPOSED CONTRACTORS – Lists the subcontractors, analytical laboratories, waste haulers and disposal facilities that are planned to be utilized during the excavation, transportation and disposal of soil from the Site.

SUBSURFACE CONDITIONS – Identifies the findings of environmental conditions of soils

SOIL DISPOSAL OPERATION PLAN – Identifies the proposed management strategy of clean uncontaminated, non-hazardous special waste and/or non-hazardous non-special waste soils.

EXCAVATION ACTIVITIES – Describes the field monitoring procedures to be performed during excavation activities, data quality objectives, a contingency plan for disposal of hazardous waste, non-hazardous special waste and/or non-hazardous non-special waste, emergency contacts and safety protocols

REGULATED SUBSTANCES HEALTH AND SAFETY PLAN – Identifies the general site-specific health & safety activities necessary to work within special provision areas.

REGULATED SUBSTANCES EROSION CONTROL PLAN – Identifies the general soil erosion control activities necessary to work within special provision areas.

2.0 PROPOSED SUBCONTRACTORS

Proposed subcontractor mobilization shall include all activities and associated costs for transportation of contractor's personnel, equipment, and operating supplies to the project. Mobilization of subcontractors will occur on an as-needed basis for various aspects of the project. Foundation Mechanics is the General Contractor. V3 Companies will be responsible for the lead stabilization treatment. SCK Incorporated will be responsible for the earthwork excavation and loading of soils. True North Consultants, Inc. will provide Soil Disposal Analysis, Earthwork Construction Plan, Earthwork Final Construction Report, On-site Monitoring of Regulated Substances, and oversight and confirmation sampling during the lead stabilization activities. Free Flow Technologies, Ltd. Is providing the treatment reagent for lead stabilization. Other environmental consultants listed below performed the prior Preliminary Site Investigation and Phase II Environmental Site Assessment at the Site. Viking Brothers will provide trucking services.

The following subcontractors, environmental consultants, accredited analytical laboratories, waste haulers and permitted disposal facilities will be utilized during the soil management activities:

General Contractor
Foundation Mechanics
8604 West Catalpa Avenue, Suite 907
Chicago, Illinois 60656
Tim DeSimone
timd@foundationmech.com
773.234.3087

Subcontractor
V3 Companies
7325 Janes Avenue, #100
Woodridge, Illinois 60517
Keith Butkus
kbutkus@v3co.com
630.897.7799

SCK Incorporated
245 Hampshire Lane
Lakewood, Illinois 60014
Tom Kelecius
815.600.9125

Environmental Consultants
True North Consultants, Inc.
1000 East Warrenville Road, Suite 140

Naperville, Illinois 60563
Brian Mihelich
bmihelich@consulttruenorth.com
630.717.2880

Free Flow Technologies, Ltd.
4920 Forest Hills Road, #200
Loves Park, Illinois 61111
Cris Proctor
cproctor@freeflowtech.com
815.636.0166

Consultants that performed previous environmental investigations:
Huff & Huff, Inc
915 Harger Road, Suite 330
Oak Brook, Illinois 60523
Shane Cuplin, P.G
630.684.9100

Analytical Laboratory
First Environmental Laboratories, Inc.
1600 Shore Road
Naperville, Illinois 60563
Ryan Gerrick
ryan@firstenv.com
630.778.1200

Permitted Disposal Facilities
Heartland Recycling-Aurora - CCDD Facility
213 Mettel Road
Aurora, Illinois 60505
630.391.0022

Prairie Material Yard 91 - CCDD Facility
1S398 North Lorang Road
Elburn, Illinois 60119
630.557.2396

Winnebago Landfill – Non-Hazardous, Non-Special Waste Disposal
8403 Lindenwood Road
Rockford, Illinois 61109
815.209.6693

Hauler

Viking Brothers, Inc.
1665 Eastwood Drive, B
Aurora, Illinois 60506
Craig Melby
630.897.7799

Qualifications for True North Consultants are provided in Appendix A.

3.0 SUBSURFACE CONDITIONS

A Phase II Environmental Site Assessment (ESA) dated December 9, 2020, was performed by Huff & Huff, Inc. (H&H). The purpose of the Phase II ESA was to identify and quantify Contaminants of Concern (COCs) in the soil associated with RECs identified in a Phase I ESA conducted within and adjacent to the proposed Project Area. H&H completed an evaluation of laboratory analytical data in order to provide recommendations for excavated materials management and handling in accordance with the "Illinois Tollway Environmental Studies Manual" (Tollway, 2020) solid waste evaluation criteria and with respect to soil classification and the suitability of soil reuse and disposal at a Clean Construction and Demolition Debris (CCDD) facility, a Subtitle C landfill or Subtitle D landfill.

Forty-one (41) soil borings were advanced at the Site. The general geology encountered below the existing asphalt and/or topsoil in all soil borings varies, due to the portions of the Site formerly used as a quarry and now contain non-native fill material. In general, the geology was reported as a mixture of sandy clay along with sand, gravel and other aggregates, and woodchips. Two distinct fill areas were identified, one containing silt and sand, black in color with traces of blue, red, pink, and yellow silt and the other that included pieces of bricks, glass, and cinders. Soil samples from each boring were screened by H&H personnel with a calibrated photoionization detector (PID) to determine the presence of photoionizable vapors that are potentially indicative of the presence of volatile organic compounds (VOCs) in the soil. Elevated PID screening readings were not observed in the soil borings. The highest PID reading noted was 2.4 ppm, with no accompanying odors or staining. Groundwater or saturated conditions were not encountered during the soil sampling events.

In order to determine the potential for soils that may require special handling and management prior to reconstruction activities, H&H collected a total of forty-one (41) soil samples. H&H analyzed selected soil samples for a combination of some or all of the following parameters:

- Volatile Organic Compounds (VOCs);
- Benzene, Toluene, Ethylbenzene, Xylene (BTEX);
- Methyl tert-butyl ether (MTBE);
- Semi-volatile Organic Compounds (SVOCs);
- Polynuclear Aromatic Hydrocarbons (PNAs);
- Total Resource Conservation and Recovery Act (RCRA) Metals;
- Pesticides;
- Herbicides;
- Polychlorinated Biphenyls (PCBs)
- Toxicity Characteristic Leaching Procedure (TCLP);
- and soil pH

H&H compared the soil analytical results to the Maximum Allowable Concentrations (MAC). The MAC Table, dated August 27, 2012, is incorporated under Title 35 of the Illinois Administrative Code (IAC), Part 1100, Subpart F.

Based on the results of the ESA sampling activities, H&H concluded that soils represented by soil samples SB-1BNW (below 680), SB-1BW2 (below 680), SB-1D (below 680), HA-1BN (below 677), SB-1BW-N (below 677), SB-1BE-N (below 677), SB-1BE-N2 (below 677), SB-1BE2-N (below 677), SB-1BE2-N2 (below 677), SB-1BE3-N (below 677), SB-1BE3-N2 (below 677), SB-1A-N (below 677), SB-1A-N2 (below 677), SB-1BN (below 679.6), SB-1BW (below 676.6), SB-RWB-07 (below 678.4), SB-1B (below 682.5), SB-1S (below 682.5), SB-1BE (below 684.5), SB-1BNE (below 683.1), SB-1BE2 (below 683.8), SB-1BE3 (below 681.7), SB-1A (GS to 680), and SB-1AE (GS to 680) are not considered suitable for CCDD disposal due to elevated concentrations of various metals. Soils represented by these samples did not meet all MAC criteria and were classified by H&H as Type 1 (not approved for reuse) or as hazardous material. Figures from H&H's ESA identifying these specific project locations and corresponding soil classifications are presented in Appendix B. A copy of H&H's tables identifying the soil classification of each soil sample is presented in Appendix C.

Soils that met MAC criteria were classified by H&H as Type 2 or Type 4. Copies of H&H's LPC-663 Certification is presented in Appendix D.

Additionally, H&H compared the soil analytical results to the TACO Tier 1 Construction Worker Soil Remediation Objectives. Soil samples SB-1BNW (below 680), SB-1BW2 (below 680), SB-1C (below 680), SB-1D (below 680), SB-1BN (below 679.6), SB-1BW (below 676.6), SB-RWB-07 (below 678.4), SB-1B (below 682.5), SB-1S (below 682.5), SB-1BE (below 684.5), SB-1BNE (below 683.1), SB-1BE2 (below 683.8), SB-1BE3 (below 681.7) exceeded the Construction Worker ingestion and/or inhalation SROs for various metals. Construction Worker Precautions will need to be implemented during construction activities in the area represented by these samples. These precautions are outlined in Section 6.

4.0 SOIL MANAGEMENT OPERATION PLAN

4.1 CCDD Soils

Based on the analytical results from H&H's Phase II ESA, areas within the project area qualify for LPC-663 certification and can be managed at a permitted Clean Construction & Demolition Debris (CCDD) facility or Uncontaminated Soil Fill Operation (USFO) as uncontaminated soil. Soil from the project site classified as Type 2 and Type 4 can be managed at a permitted CCDD/USFO facility or managed on site. Figures identifying the areas classified as Type 2 and Type 4 are presented in Appendix B. Tables showing the soil classifications by soil boring ID are presented in Appendix C. A copy of H&H's LPC-663 Certification is presented in Appendix D. Supporting documentation for these certifications is on file with ISTHA. In the event that unsuitable material is encountered during excavation, the material will be managed as non-hazardous, non-special waste, and disposed of as per section 4.2 below.

4.2 Non-Hazardous, Non-Special Waste Soils

Soils represented by H&H soil samples SB-1BNW (below 680), SB-1BW2 (below 680), SB-1D (below 680), HA-1BN (below 677), SB-1BW-N (below 677), SB-1BE-N (below 677), SB-1BE-N2 (below 677), SB-1BE2-N (below 677), SB-1BE2-N2 (below 677), SB-1BE3-N (below 677), SB-1BE3-N2 (below 677), SB-1A-N (below 677), SB-1A-N2 (below 677),SB-1A (GS to 680), and SB-1AE (GS to 680) are characterized as Type 1 and do not meet the criteria for CCDD management.

Soils that are represented by H&H soil samples SB-1BNW (below 680), SB-1BW2 (below 680), SB-1D (below 680), HA-1BN (below 677), SB-1BW-N (below 677), SB-1BE-N (below 677), SB-1BE-N2 (below 677), SB-1BE2-N (below 677), SB-1BE2-N2 (below 677), SB-1BE3-N (below 677), SB-1BE3-N2 (below 677), SB-1A-N (below 677), SB-1A-N2 (below 677),SB-1A (GS to 680), and SB-1AE (GS to 680) will be managed at the Winnebago landfill facility listed in Section 2.0 of this Plan, in accordance with all applicable local, State, and Federal regulations.

4.3 Hazardous Waste Soils

Soils represented by H&H soil samples SB-1BN (Below 679.6), SB-1BW (below 676.6), SB-RWB-07 (below 678.4), SB-1B (below 682.5), SB-1S (below 682.5), SB-1BE (below 684.5), SB-1BNE (below 683.1), SB-1BE2 (below 683.8), and SB-1BE3 (below 681.7) are categorized as hazardous waste. Material represented by these borings will be treated in situ and will remain in place once treatment objectives are met. The soil treatment procedure is outlined in section 5.1.

5.0 EXCAVATION ACTIVITIES

5.1 In-Situ Treatment of Soils with Toxicity Characteristics of Hazardous Waste

Per ISTHA special provisions, treatment of the silt fill will be completed in-situ and will conform to the treatment process approved by the Engineer and ISTHA.

5.1.1 Pre-Treatment Procedures

Prior to treatment of the silt fill, the boundaries of the affected area will be clearly marked. All Type 4 overburden located above the identified silt fill will be removed to an elevation of two (2) feet above the elevation of the identified treatment zone. The process of removing the remaining overburden to the necessary elevation will be closely monitored to ensure that silt fill material is not removed with the overburden. The overburden material characterized as Type 4 will be stockpiled in the adjacent zones for reuse once treatment is complete.

5.1.2 Treatment Activities

Once all overburden material is removed, the Contractor will utilize a slide rail system with trench boxes to separate the section currently being treated. Confirmation samples will be collected and submitted for TCLP analysis. The treatment zone will be worked in a checkerboard style until the entire zone is complete.

5.1.3 Restoration Activities

Once treatment objectives have been verified, Contractor will conduct physical tests on treated fill to ensure it meets the American Association of State Highway and Transportation Officials (AASHTO) standards. If the treated silt fill does not meet the stabilization requirements, the Contractor will amend as necessary, ensuring that the stabilization amendments do not interfere with the treatment reagent or increase the leachability of the treated material.

5.1.4 Monitoring and Sampling

All soil disturbance and remediation work within the silt fill and Type 4 overburden will be continuously monitored. Details from treatment and sampling activities will be recorded in field logs. Upon execution of treatment reagent, confirmation samples will be collected and submitted for TCLP analysis. All analytical results will be recorded in tabular form and submitted along with analytical reports.

5.2 Field Monitoring Procedures

Per ISTHA specification 669.04, qualified and trained personnel will perform regulated substances monitoring when loading soils classified as Type 1. The qualified personnel shall be on-site continuously during loading and haul-off of material containing regulated substances.

Per ISTHA specification 669.04, qualified and trained personnel will perform field screening when loading soils anticipated for CCDD or USFO management. Based on the nature of the removal activities, field screening will entail screening of soils which have been previously determined to be managed at a CCDD or USFO facility. The field screening will involve a calibrated photoionization detector PID with a 10.6eV lamp to determine the presence of photoionizable vapors that are potentially indicative of the presence of VOC compounds in the soil. Additionally, qualified personnel will make visual and olfactory observations during the monitoring activities. Additional monitoring activities may be performed if unforeseen conditions are encountered. If unforeseen conditions are encountered, Foundation or True North personnel will immediately notify ISTHA. The results of PID screening and/or any visual or olfactory indications of contamination will be recorded in field logs.

5.3 Decontamination Protocol

Decontamination protocols will be strictly adhered to in order to minimize the potential for cross-contamination between sample locations and contamination of areas off-site. The Contractor will perform dry decontamination on equipment that has contacted material classified as a special or non-special waste. All equipment will be decontaminated before moving that piece of equipment to another location. Dry decontamination will consist of the removal of visible material from excavation and construction equipment. Equipment will include, but not be limited to the following: shovels, buckets, wheels, tracks, and tires. During dry decontamination procedures, the Contractor will ensure that contaminated soil that is removed from equipment does not contact the ground surface. All contaminated material removed during dry contamination will be placed with contaminated material of similar classification and disposed of with other excavated material from the project limits. All decontamination will take place within designated excavation areas.

5.4 Contingency Plan

If previously unidentified contaminated soils are encountered during excavation activities, then Foundation will cease activities as directed by ISTHA and immediately inform True North who will assess Site conditions and make recommendations to ISTHA. Upon assessment of the Site conditions, coordination of alternative soil management strategy (non-hazardous, special or non-special waste disposal), and mitigation of any threats to construction workers health have been addressed, the excavation activities will resume. If necessary, and upon direction from ISTHA, additional soil samples will be collected and analyzed to characterize and delineate the extent of contamination.

5.5 Transportation

Backhoes and other excavation equipment will be utilized to excavate soils. Soils will be loaded directly into trucks for transport to the designated disposal facility or transported to

onsite staging areas. Completed load tickets and/or manifests required for transportation and disposal will be provided. Excavated soils will be transported by an appropriate hauler to the designated disposal facility.

5.6 On-Site Staging Plan

If necessary, temporary staging shall be accomplished within the project limits of Contract RR-20-4544. It is not anticipated that more than 10,000 CY of excavated material will be stockpiled, and excavated material will not remain staged for a duration greater than seven (7) days. Staging areas will not be located within 200 feet of a public or private water supply well; nor within 100 feet of sensitive environmental receptor areas, including wetlands, rivers, streams, lakes, or designated habitat zones.

5.7 Final Earthwork Construction Plan

The Earthwork Final Construction Report (EFCR), along with Form A53 and required attachments shall be submitted to the Engineer prior to the contract final completion date specified in SP 103.1.

6.0 REGULATED SUBSTANCES HEALTH AND SAFETY PLAN (RSHASP)

All construction/excavation activities will conform to Occupational Health & Safety Agency (OSHA) regulations governing work activities performed on-Site. This RSHASP was prepared by Mike Brennan, a qualified industrial hygienist. Mr. Brennan's resume is included in Appendix A.

The Contractor will be responsible conforming and enforcing all requirements of the HASP and for oversight and management of all personnel, including subcontractors, relative to construction worker health and safety on this project. This plan will be amended if conditions change during the project.

Based on a review of the results of the H&H Phase II ESA, multiple samples exceeded the TACO Tier 1 Construction Worker SROs. Samples SB-1BNW (below 680), SB-1BW2 (below 680), SB-1C (below 680), SB-1D (below 680), SB-1BN (below 679.6), SB-1BW (below 676.6), SB-RWB-07 (below 678.4), SB-1B (below 682.5), SB-1S (below 682.5), SB-1BE (below 684.5), SB-1BNE (below 683.1), SB-1BE2 (below 683.8), SB-1BE3 (below 681.7) exceeded the Construction Worker ingestion/inhalation SROs. The concentration of lead, arsenic, and mercury in the soil has the potential to compromise the health and safety of workers and is addressed in section 6.4.

6.1 General Construction Site Hazards

Heat/Cold Stress	Know signs/symptoms of heat/cold-related illnesses; monitor yourself and coworkers. Block out direst sun or other heat sources. Use cooling fans/air-conditioning, rest regularly. Drink lots of water, about 1 cup every 15 minutes. Wear lightweight, light color, loose-fitting clothing.
Slips, Trips & Falls	Be aware of adverse sloped, excavations, loose soil surfaces and possible wet or slippery conditions.
Heavy Equipment	Be aware of heavy equipment operations. Wear appropriate hearing protection as needed and hard hats if overhead work is being performed.
Vehicle Traffic	Be aware of general traffic and established traffic control and barricades around the work areas.

6.2 General Construction Worker Precautions in Non-special Waste Areas

- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in non-special waste areas.

- Hands and face must be thoroughly washed as soon as possible upon leaving non-special waste areas.

- Whenever decontamination procedures for outer garments are in effect, the entire body should be thoroughly washed as soon as possible after the protective garment is removed.

- Contact with contaminated or suspected contaminated surfaces should be avoided. Whenever possible, do not walk-through puddles, leachate, and discolored surfaces, kneel on ground, lean, sit or place non-essential equipment not actively being used for excavation on exposed soil surfaces in non-special waste areas.

- All personnel must be familiar with standard operating safety procedures and any additional instruction and information contained in the Site Health and Safety Plan.

- Personnel will be aware of symptoms for toxic chemicals on-site.

6.3 General Operations in Non-Special Waste Areas

- All personnel going on-site must be adequately trained and briefed on anticipated hazards, equipment to be worn, safety practices to be followed, emergency procedures and communications.

- Any required respiratory protective devices and clothing must be worn by all personnel going into area designated for wearing protective equipment.

- Visual contact must be maintained between pairs on-site and safety personnel.

- During continual operations, on-site workers act as safety backup to each other. Off-site personnel provide emergency assistance.

- Entrance and exit locations must be designated and emergency escape routes delineated. Warning signals for site excavation must be established.

- Communications using radios, hand signals or other means must be maintained at all times. Emergency communications should be prearranged in case of radio failure, necessity for evacuation of site, or other reasons.

- Personnel and equipment in the contaminated area should be minimized, consistent with effective site operations.

- Heavy Equipment: Be aware of heavy equipment operations. Wear appropriate hearing protection as needed and hard hats if overhead work is being performed.

- Vehicle Traffic: Be aware of general traffic and established traffic control and barricades around the work areas.

- Frequent and regular inspections of site operations will be conducted to ensure compliance with the Site Health and Safety Plan. If any changes to operation occur, the Site Health and Safety Plan must be modified to reflect changes.

6.4 Chemical Contaminants of Concern

Based on the H&H Phase II ESA, the possible contaminants of concern (COCs) are:

- Heavy Metal Compounds (Inorganics)

Additional work practices and engineering controls that shall be implemented for work activities performed within the areas surrounding H&H samples SB-1BNW (below 680), SB-1BW2 (below 680), SB-1C (below 680), SB-1D (below 680), SB-1BN (below 679.6), SB-1BW (below 676.6), SB-RWB-07 (below 678.4), SB-1B (below 682.5), SB-1S (below 682.5), SB-1BE (below 684.5), SB-1BNE (below 683.1), SB-1BE2 (below 683.8), SB-1BE3 (below 681.7), due to the concentrations of lead, arsenic, and mercury that exceeded the TACO Tier 1 Construction Worker SRO. The approximate areas are identified on H&H's Figure 5B, which is presented in Appendix B.

The chemical hazards associated with site operations include the potential inhalation, ingestion, and skin or eye contact with materials that are impacted by site COCs as follows:

Hazards – The potential routes of exposure from the identified COCs include inhalation and/or ingestion of lead and/or arsenic and/or mercury contaminated soil and the direct contact with the materials. The potential for inhalation, ingestion, or dermal exposure to COCs during mobilization activities, demobilization activities, backfilling activities, and those activities that do not result in the active disturbance of soils are anticipated to be low. The potential for inhalation, ingestion, or dermal exposure to COCs during excavation activities, and from construction activities is anticipated to be low to moderate. A listing of the Occupational Health and Safety Administration (OSHA) Permissible Exposure Limit (PEL) and a basic description of the contaminants of concern are found in the Table below.

Summary of Chemical Hazards

Contaminant	Exposure Route(s)	OSHA PEL	Symptoms of Exposure
Lead	Inhalation, Ingestion, Eye Contact	50 µg/m3	Headache, Confusion, Malaise (feeling of discomfort), Nausea, Vomiting, Abdominal Pain, Constipation, Irritability.

Arsenic	Inhalation, Ingestion	10 µg/m³ (TWA)	Ulceration of nasal septum, dermatitis, gastrointestinal disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, potential occupational carcinogen.
Mercury	Inhalation, Ingestion, Skin Contact	100 µg/m³ (TWA)	Headache, drowsiness or insomnia, weakness, irritability, loss of appetite, tremors

Controls - The COCs identified at the Site include lead, arsenic, and mercury and the primary route of exposure is anticipated to be the ingestion or inhalation of contaminated soils and/or dermal contact with contaminated soils. All work activities will be performed from the exterior of the excavation to the extent feasible. Direct contact with potentially impacted soils will be avoided. Dermal contact with COCs may be controlled by use of proper PPE and good housekeeping procedures. Handwashing facilities will be provided on site to provide for decontamination when leaving the work area. If indications of ingestion or inhalation are identified, the project will be halted until appropriate control measures can be implemented.

If additional analytical data becomes available, this Plan will be amended to address additional COCs detected, and Safety Data Sheets (SDS) for the specific chemicals will be attached to this Plan.

6.5 Site Work Zones and Site Control

Appropriate site control measures shall be implemented to control worker exposure to non-special waste and hazardous waste areas under contract documents.

The construction limits of this project will be divided into three distinct zones: Exclusion Zone, Contamination Reduction Zone/Decontamination Zone and Support Zone. These zones are designed to limit contamination to a designated work area and limits worker exposure to non-special waste within these work areas. A Figure identifying the approximate limits of the Exclusion Zone and Contamination Reduction Zone/Decontamination Zone is presented in Appendix E. The Support Zone boundary is defined as the remaining areas within the construction limits of this project, and therefore the Support Zone boundary is not identified on the Figure. These zones are described in detail in sections 6.6 to 6.8 of this report.

6.6 Exclusion Zones

Exclusion Zones (EZ) shall be designated as the excavations within areas identified on the Work Zone Map for this Plan, presented in Appendix E. These zones have the highest probability of skin contact with regulated substances or contaminated material. The exclusion zone designation shall remain until the excavated area has been backfilled or construction activities to the design elevations have been completed. The Contractor should limit their employees and subcontractors from performing maintenance, repair operations or other unnecessary activities within the exclusion zones whenever possible.

6.7 Contamination Reduction Zones

Contamination Reduction Zones (CRZ) shall be established as greater than two (2) feet from the Exclusion Zone excavation limits but within twelve (12) feet of the excavation or the construction limits, whichever is less. These zones minimize the possibility of physical transfer of regulated substances or contaminated materials on personnel, equipment and in the air to unregulated outside areas. A combination of decontamination, distance from active work areas, zone restrictions, and work function shall minimize the possibility of physical transfer of regulated substances or contaminated materials. These zones have the next highest inhalation exposure potential but pose minimal probability of skin contact with regulated substances or contaminated materials. These zones shall contain all personnel and equipment decontamination operations.

6.8 Support Zones

The Support Zones (SZ) shall include the remaining areas within the construction limits of this project. These zones contain worker break areas, support facilities including supplies, equipment storage and maintenance areas. No personnel or equipment shall be allowed to enter the Support Zones from Exclusion Zones without proper decontamination as identified in this Plan.

6.9 HAZWOPER Training

All workers performing excavation activities in designated exclusion zones must possess a minimum of 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training in accordance with the training requirements of 29 CFR 1910.120. Managers and supervisors require the same level of training plus an additional eight hours of training. All personnel shall provide proof of current 40-hour HAZWOPER training prior to performing work activities within exclusion zones.

Where site characterization has been performed indicating that an area is free of potential exposure and/or proposed work assignments would not expose the crew to hazardous substances, the activities may be carried out as normal construction operations if the

competent person determines there is minimal or no risk of exposure.

6.10 Personal Protective Equipment (PPE)

PPE is required to safeguard site personnel from various hazards. Varying levels of protection may be required depending on COC levels and the degree of physical hazard. This section presents the various levels of protection and defines the conditions of use for each level. PPE will be selected based on the potential for contact, site conditions, ambient air quality, and the judgment of supervising site personnel and health and safety professionals. The PPE used will be chosen to be effective against the COCs present on site. Specifically, the level of PPE selected will be based on air monitoring of the work environment, and an assessment by the Site Supervisor and HSO of the potential for skin contact with COCs. Table 6-1 summarizes the available levels of personal protection.

Table: PPE Selection Matrix

Task / Work Activity	Anticipated Level of Protection
Mobilization of Personnel, Materials & Equipment	Level D
Excavation of Uncontaminated Soils Outside Exclusion Zone	Level D
Excavation of Contaminated Soils Inside Exclusion Zone	Level C / Level D (dependent on monitoring results)
On-Site Monitoring & Testing	Level C / Level D (dependent on monitoring results)
Backfilling with Uncontaminated Soil	Level D
Stockpiling, Loading and Hauling of Soils	Level C / Level D (dependent on monitoring results)
Demobilization	Level D

6.10.1 Level D Protection

The minimum level of protection that is required of Foundation personnel and subcontractors at the site is Level D, which is worn when activities do not involve potential dermal contact with contaminants and air monitoring indicates that no inhalation hazard exists. Level D protection includes the following equipment:

- Standard work clothes or uniforms;
- Steel-toe work boots, meeting ANSI Z41;
- Safety glasses with side shields or goggles, meeting ANSI Z87;
- Hard hat, meeting ANSI Z89, when falling object hazards are present; and
- Hearing protection (if noise levels exceed 85 dBA, then hearing protection with a USEPA NRR of at least 20 dBA must be used).

6.10.02 Level C Protection

Level C protection will be required when the airborne concentration of COCs reaches a level of concern, typically one-half of the OSHA Permissible Exposure Limit (PEL) or ACGIH TLV. The following additional equipment will be used for Level C protection:

- Full face or half-face, National Institute for Occupational Safety and Health-

(NIOSH-) approved, air-purifying respirator with high efficiency filter;
- Chemically resistant outer layer boot covers;
- Chemically resistant inner/outer layer gloves; and
- Tyvek® or KleenGuard® coveralls or equivalent with ankles and cuffs taped to boots and gloves when skin contact with COC-impacted media is anticipated.

6.10.03 Site Respiratory Protection Program

Respiratory protection is an integral part of employee health and safety at the site due to potentially hazardous concentrations of airborne COCs. The site respiratory protection program will consist of the following elements (as a minimum):
- All onsite personnel who may use respiratory protection will have an assigned respirator.
- All onsite personnel who may use respiratory protection will have been fit-tested and trained in the use of a half-mask, air-purifying respirator within the past 12 months.
- All onsite personnel who may use respiratory protection must, within the past year, have been medically certified as being capable of wearing a respirator.
- If respirators are used, the respirator cartridge is to be properly disposed of at the end of each work shift, or when load-up or breakthrough occurs.
- All onsite personnel who may use respiratory protection must be clean-shaven..
- Respirators will be inspected and a negative-pressure test performed prior to each use.
- When used, the respirator will be thoroughly cleaned at the end of the work shift. The respirator will be stored in a clean plastic bag in a clean, dry location, in a manner that will not distort the face piece.

6.10.04 Donning Procedures

Depending on the level of protection selected, specific donning procedures may be required. The procedures presented below mandatory if Level C PPE is used. All personnel entering the EZ must put on the required PPE in accordance with the requirements of this HASP.

- Put on work clothes or coveralls.
- Tape the legs of the coveralls to the boots with duct tape.
- Put on the required protective gloves.
- Tape the wrists of the protective coveralls to the gloves.
- Don the required respirator and perform appropriate fit check.
- Put hood or head covering over head and respirator straps.
- Don remaining PPE, such as safety glasses or goggles and hard hat.
- When these procedures are instituted, one person must remain outside the work area to confirm that each person entering has the proper protective equipment.

6.10.05 Doffing Procedures

Depending on the level of protection selected, specific doffing procedures may be required. The procedures presented below are mandatory if Level C PPE is used. Once any personnel leaves the EZ, PPE will be removed in accordance with the procedures listed to minimize the spread of COCs.

- Upon entering the CRZ, rinse contaminated materials from the boots.
- Clean reusable protective equipment.
- Remove protective garments, equipment, and respirator. All disposable clothing should be disposed of properly.
- Wash hands, face, and neck.
- Proceed to clean area.
- Clean and disinfect respirator for next use.
- All disposable equipment, garments, and PPE must be bagged in plastic bags labeled for disposal.

6.11Air Monitoring

Air monitoring will be conducted to evaluate employee exposure to airborne constituents, determine appropriate levels of protective equipment, and establish specific work zones. Air monitoring will be conducted initially utilizing passive monitoring badges and/or active monitoring methods to evaluate compliance with applicable occupational exposure limits. The primary constituents of concern (COCs) for the project include the COCs identified above the TACO Tier 1 RO's for construction worker exposure. The primary COCs include: lead, arsenic, and mercury.

6.11.01 Ambient Air Monitoring

Perimeter and/or boundary air monitoring will be required for all work activities that have the potential to generate elevated concentrations of the primary COCs. The purpose of monitoring will be to determine the concentrations of airborne contaminants within the specified work zones, the appropriate boundaries of regulated areas, and the concentrations of contaminants present along the project boundaries or the boundaries of established buffer zones. In addition, the results of monitoring shall be used to evaluate the effectiveness of work practice and engineering controls and to verify that existing controls are sufficient to reduce potential exposure to the surrounding community.

Air samples shall collect within and around the boundaries of the exclusion zone and/or project boundaries during active excavation activities. Monitoring will be performed at the initiation of work activities and periodically thereafter (if necessary) utilizing passive monitoring badges or active sampling methods to verify and document that concentrations of concentrations of concern do not exceed defined action levels. If the initial exposure assessment demonstrates

concentrations of contaminants of concern to be less than applicable action limits, monitoring may be substituted with direct read instrumentation which will allow for the real time assessment of contaminants of concern.

6.11.02 Health and Safety Action Levels

Action levels have been established to define the point at which increased protection or cessation of activities is required based upon the concentration of contaminants in the work area. All work activities performed within defined exclusion zones shall be initiated in Level C but may be reduced to Level D depending upon the results of air monitoring and the specific work activity involved. The following represents the appropriate actions to be taken at the designated action levels.

Table: Contaminant Action Levels

Contaminant / Condition	Action Level	Action
Arsenic	> 5 µg/m³ (TWA)	Cease Operations, Upgrade PPE as applicable if Controls Are Not Sufficient
Lead	> 30 µg/m³ (TWA)	Cease Operations, Upgrade PPE as applicable if Controls Are Not Sufficient
Mercury	> 0.2 µg/m³ (TWA)	Cease Operations, Upgrade PPE as applicable if Controls Are Not Sufficient

In addition to the aforementioned criteria, an upgrade to Level C is required if:

- Any symptoms of exposure are reported
- Requested by an individual performing the task
- Irritation to the eyes, nose, throat or skin occurs

6.12 Decontamination Procedures

All personnel who have directly participated in construction within excavations will go through the identified decontamination processes. In addition, the Contractor will perform dry decontamination on excavation and construction equipment when equipment is in contact with soils containing regulated substances. The Contractor will minimize equipment or vehicles visible material tracking from the project.

6.13 Personal Decontamination

All personnel who have directly participated in construction within excavations will go through the identified decontamination processes.

- If Level C is utilized, follow the doffing procedures listed above.
- If utilized, remove any respiratory protection equipment being used, place in plastic bags and seal in 55-gallon drums for cleaning and inspection.

- Remove all disposable protective clothing and equipment used by personnel and place in plastic bags for proper disposal.

6.14 Equipment Decontamination

Dry Decontamination: If necessary, the Contractor will perform dry decontamination on equipment that has contacted material classified as a special or non-special waste. All equipment will be decontaminated before moving that piece of equipment to another location. Dry decontamination will consist of the removal of visible material from excavation and construction equipment. Equipment will include, but not be limited to the following: shovels, buckets, wheels, tracks and tires. During dry decontamination procedures, the contractor will ensure that contaminated soil that is removed from equipment does not contact the ground surface. All contaminated material removed during dry decontamination will be placed with contaminated material of similar classification and disposed of with other excavated material from the project limits.

Wet Decontamination: If applicable, the Contractor will perform the wet decontamination process when construction/soil management activities associated with non-special waste, special waste, or hazardous waste when followed by construction/soil management activities associated with uncontaminated excavation or fill material.

6.15 Employee Education and Training

The Contractor's employees supervising and monitoring construction activities within identified areas containing non-special waste and/or hazardous waste soils have successfully completed and maintained Health and Safety training pursuant to applicable federal, state and/or local standards, including OSHA requirements under 29 CFR 1910.120. All workers involved in construction activities within identified areas containing non-special waste should participate in site specific health and safety meetings. These meetings, in association with the provisions of this Plan, provide workers with knowledge of the potential hazards, operating procedures and health and safety provisions associated with the removal and disposal of non-special waste under this contract. A copy of this RSHASP will be made available to all Contractor on-site personnel. An example of a sign off sheet acknowledging review of the RSHASP is presented in Appendix F.

6.16 Medical Surveillance Program

Employees involved in direct contact with soils identified as potentially containing regulated substances should participate in regular physical examinations and medical monitoring in compliance with 29 CFR 1910. Any employee that is required to wear

respiratory protective equipment must also be evaluated in accordance with 29 CFR Part 1910.134.

6.17 Emergency Medical Response Plan

Any person who becomes ill or injured will be decontaminated as well as possible, giving consideration to which risk will be greater, the spread of contamination or the health of the individual. If the injury or illness is minor, full decontamination should be completed and first aid administered prior to transport. Safety equipment will be available on-site consisting of a first aid kit. If the patient's condition is serious, at least partial decontamination should be completed (i.e., complete disrobing of the victim and redressing in clean coveralls or wrapping in a blanket). First aid should be administered while waiting for an ambulance or paramedics. In the case of an emergency, Foundation personnel will contact the appropriate emergency responders.

ISTHA will be immediately notified of possible concerns for site contamination and site operation if signs of contamination are encountered during excavation activities.

Any emergency responders or medical facilities treating an ill or injured person who has been in contact with contaminated materials associated with this project should be apprised of this Plan and its content. The following list will be posted of all emergency numbers near each on-site or site available by phone.

Emergency Responder and Medical Facility Information

HOSPITAL OR MEDICAL FACILITY:
Name: AMITA Health Mercy Medical Center Aurora
Address: 1325 North Highland Avenue, Aurora, Illinois 60506
Phone: Emergency – 911
Non-Emergency – 708.681.3200

AMBULANCE SERVICE:
Name: First Care Ambulance
Address: 1941 Selmarten Road, Aurora, Illinois 60505
Phone: Emergency – 911
Non-Emergency – 847.268.9898

FIRE PROTECTION:
Name: North Aurora Fire Department
Address: 2 Monroe Street, North Aurora, Illinois 60542
Phone: Emergency – 911
Non-Emergency – 630.897.9698

POLICE:
Name: North Aurora Police Deptarment
Address: 200 S. Lincolnway, North Aurora, Illinois 60542
Phone: Emergency – 911
Non- Emergency – 630.897.8705

ILLINOIS EMERGENCY MANAGEMENT AGENCY (IEMA):
Phone: 800-782-7860

IEPA – EMERGENCY RESPONSE UNIT:
Phone: 217-782-7637

POSION CONTROL CENTER:
Phone: 800-382-9300

CHEMTREC:
Phone: 800-424-9300

CENTERS FOR DISEASE CONTROL (BIOLOGICAL AGENTS):
Phone: 404-633-5313

NATIONAL RESPONSE CENTER (NRC):
Phone: 800-424-8802

Health and Safety Training

All Contractor personnel who will be working within an area containing soils characterized as Type 1 or hazardous will have successfully completed appropriate health and safety training pursuant to applicable federal, state and/or local standards, including OSHA requirements under 29 CFR 1910.120.

Site-Specific Training

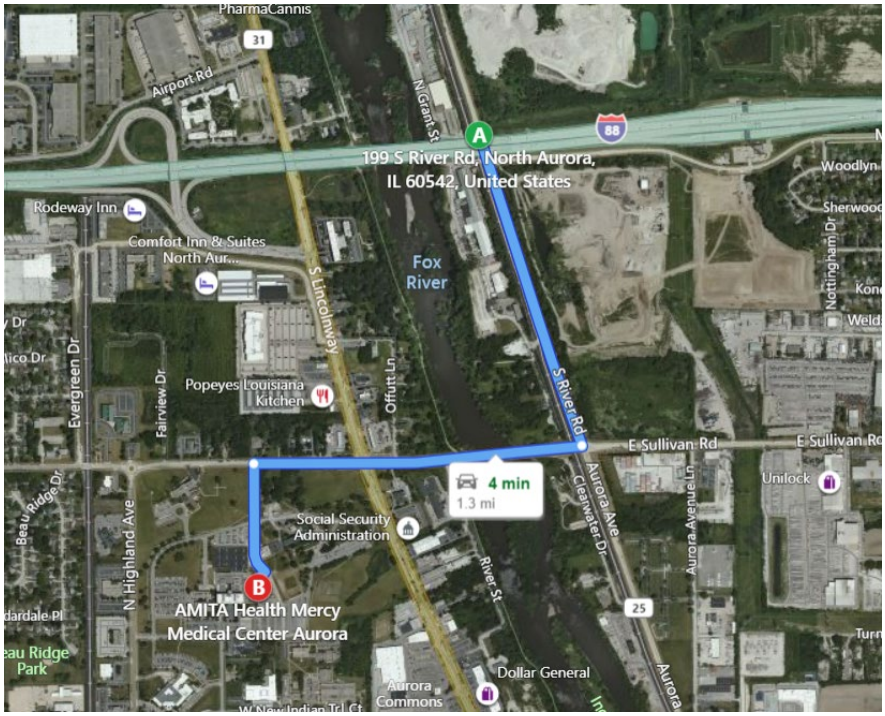
A pre-entry safety briefing will occur at project start-up and periodically, as needed as site conditions change. Evacuation, if necessary, will use protocols established by the North Aurora Fire Protection District responders.

Directions to the Hospital

It is the responsibility of Foundation personnel to verify the directions to the hospital prior to the start of work. The nearest hospital to the project site is AMITA Health Mercy Medical Center Aurora. In the event it is necessary to transport personnel to the hospital, the following driving directions are provided:

Driving Directions from Site:

1. Head southeast on IL-25/S River Rd toward Mettel Rd (0.5 mi)
2. Turn right onto Sullivan Rd (0.5 mi)
3. Turn left onto Mercy Ln (0.2 mi)
4. Turn right (161 ft)
5. Arrive at AMITA Health Mercy Medical Center Aurora on the right



6.17First Aid Measures

In the event that personnel exposure symptoms occur, the following general procedures will be used:

Eye Contact: Flush eyes immediately with copious amount of water, repeat until irritation is eliminated. If prolonged irritation occurs for more than 15 minutes, seek medical attention;

Skin Contact: Wash exposed area with soap and water. If dermatitis or severe reddening occurs, seek medical attention;

Inhalation: Move worker into fresh air, if symptoms occur for more than 15 minutes, seek medical attention;

Ingestion: Do not induce vomiting, seek immediate medical attention.

6.18 Corporate Officer Approval and Signature

In accordance with Article 669.06 of the Illinois Standard Specifications for Road and Bridge Construction, adopted April 1, 2016, the Site Health and Safety Plan is required to be approved and signed by a corporate office responsible for worker health and safety at Foundation Mechanics. The undersigned approves this Site Health and Safety Plan.

Name	Position	Signature	Date

7.0 REGULATED SUBSTANCES EROSION CONTROL PLAN (RSECP)

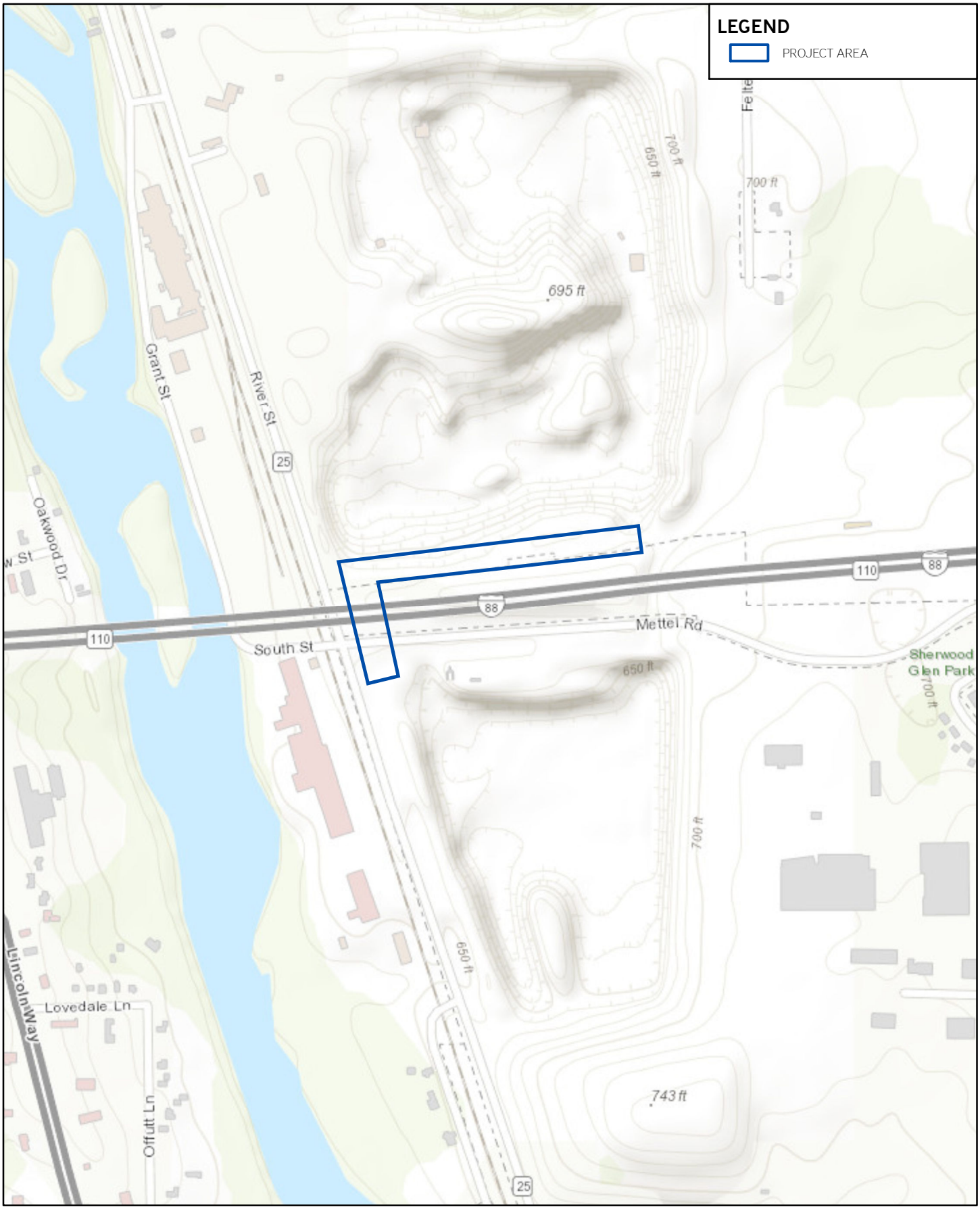
The Contractor shall minimize the potential for stormwater to come into contact with contaminated soils. These measures may include, but are not limited to, grading and/or the placement of bales, silt fences or equivalent barriers over and/or around inactive excavations and/or associated excavated soil to attempt to prevent stormwater from special provision areas from running into excavated contaminated areas shall be employed as directed by ISTHA. All soils containing regulated substances should be managed appropriately and as quickly as possible. The Contractor will maintain sloped site drainage away from any open excavation made to remove the subject material. The Contractor will plan work such that there is enough available suitable or TACO suitable material available to fill the excavations as soon as possible behind the removal operations in order to maintain drainage and eliminate any contamination risk.

The Contractor shall schedule and arrange the transport and disposal of each load of contaminated material produced. All transport and disposal arrangements shall be made to ensure no contaminated material remains within the project area at the close of business each day. Exceptions to this specification require prior approval from the Engineer within 24 hours of close of business.

The Contractor shall excavate and dispose of all waste material as mandated by the contaminants without temporary staging. If circumstances require the Contractor to use temporary staging, the Contractor shall designate a secure location within the project limits for temporary staging. Contaminated material can be stored in bulk fashion on storage pads. The design and construction of such storage pad(s) for bulk material shall be subject to approval by ISTHA. Water found to be in the working area will primarily be allowed to infiltrate into the excavation. Should the schedule or volume of water be such that it requires removal, it will be pumped into a temporary storage container until it can be characterized. Should the water test negatively for any contaminants, it will be released onto the project site via non erodible surfaces. Should it test positively, a licensed disposal site will be contacted, and the material will be disposed of with proper documentation.

Appropriate dust control measures will be employed by the Contractor per their Dust Control Plan during the course of the project. These measures may include water or other acceptable chemicals for dust suppression as needed.

FIGURES



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CLIENT
FOUNDATION MECHANICS
8604 WEST CATALPA AVENUE
SUITE 907
CHICAGO, ILLINOIS

SITE
RR-20-4544
REAGAN MEMORIAL TOLLWAY (I-88)
M.P. 117.4 TO M.P. 117.5
KANE COUNTY, ILLINOIS

PROJECT	TI21215
DATE	5/24/2021
SCALE	1 inch=750 feet

FIGURE
1

APPENDIX A

Qualifications

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 13, 2020

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Michelle Schmidt
True North Consultants, Inc.
1000 East Warrenville Road
140
Naperville, IL 60563

Dear Michelle Schmidt,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2018. Your firm's total annual transportation fee capacity will be $1,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 184.62% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2019. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Jack Elston, P.E.
Bureau Chief
Bureau of Design and Environment

SEFC PREQUALIFICATIONS FOR True North Consultants, Inc.

CATEGORY	STATUS
Special Services - Hazardous Waste: Simple	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

TRUE NORTH
CONSULTANTS

BRIAN S. MIHELICH

EXECUTIVE VICE PRESIDENT

SUMMARY OF EXPERIENCE

- Over 21 years of professional experience in public and private industry, government and consulting sector work.
- Demonstrated experience performing IDOT special waste/plans, soil analyses and PID oversight for contractors.
- Provides extensive experience in residential, commercial, industrial, institutional, governmental and agricultural property assessments inclusive of CCDD, Phase I ESAs, Phase II ESAs, test pit investigations, hazardous material inventories and geophysical surveys.
- Experience with current National Environmental Policy Act (NEPA) compliance requirements, including familiarity with Environmental Reports, Environmental Assessments and Environmental Impact Statements.
- Offers extensive experience in public and private sector brownfield redevelopment projects including grant acquisition and management at federal and state levels.
- Maintains established relationships with state and local regulators. Active participant in various industry associations
- Provides extensive experience in field data acquisition and analysis for soil, groundwater, surface water and hazardous waste investigations.
- Additional experience includes four years as an industrial hygienist for both the Occupational Health & Safety Administration (OHSA) and private industry.

RELEVANT EXPERIENCE

IDOT REGULATED SUBSTANCES MANAGEMENT - Mr. Mihelich has performed reporting, sampling and oversight on over 50 IDOT right-of-ways (ROWs) projects throughout District 1 to ensure compliance with IDOT 669 Standard Specifications for Road and Bridge Construction Projects. These services we performed on behalf of the contractors and specifically included development of special waste plans and reports (Site Contamination Operation Plan, Site Health and Safety Plan, Site Contamination Erosion Control Plan and Final Construction Reports); waste disposal analyses sampling, and PID oversight screening during regulated substance removal Additional services included delineation sampling of PSI results which involved utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

EDUCATION

M.S. Environmental Science—Indiana University, Bloomington, Indiana

B.S. Physical Resource Management with Minors in Chemistry and Geology — University of Wisconsin at Green Bay (Summa Cum Laude)

CERTIFICATIONS & TRAINING

40-Hour Hazardous Waste Operations & Emergency Response (HAZWOPER) and 8-Hour HAZWOPER Refresher Training

10-Hour DOT Hazmat Advanced General Awareness Training

30-Hour OSHA Construction Training
Neilsen Environmental Field School
Complete Groundwater Monitoring Field Course

Department of Transportation (DOT) Hazardous Materials Training
International Air Transportation Association (IATA) Dangerous Goods Regulations Training

AFFILIATIONS

Chicagoland Associated General Contractors

Land Recycling & Reclamation Association

Underground Contractors Association

Great Lake Construction Association

Illinois Road and Transportation Builders Association

Illinois Association of Aggregate Producers

American Public Works Association

Trusted Partner. Leading Environmental Solutions.

BRIAN S. MIHELICH EXECUTIVE VICE PRESIDENT

PHASE I ENVIRONMENTAL SITE ASSESSMENTS - Mr. Mihelich has performed over 500 Phase I ESAs and transaction screens both locally and nationally (California, Colorado, Oregon, Washington, Illinois, Indiana, Iowa, New York, Pennsylvania, Arizona, Wisconsin, Virginia, Tennessee, Michigan, Missouri, Ohio, North Carolina, Texas, Georgia and Florida). Property types have included individual or portfolio residential, light and heavy industrial/manufacturing facilities, commercial buildings, institutional and governmental facilities and agricultural properties. Assessment activities include site reconnaissance, historical data collection and analysis, regulatory database review, and report preparation. Reporting has been prepared in accordance with the latest versions of ASTM 1527, ASTM 1528, and Federal AAI standards as well as client-specific specifications.

PHASE II ENVIRONMENTAL SITE ASSESSMENTS - Mr. Mihelich has performed over 75 Phase II ESAs throughout the Chicago land area, Illinois, Indiana, North Carolina, Ohio, Michigan, Florida, Texas, Wisconsin, and California as a project manager and technician. Mr. Mihelich has played an integral role in the planning, performance, and reporting of subsurface investigations for vacant/idle land, light and heavy industrial/manufacturing, commercial, institutional and governmental facilities and agricultural properties. Soils and groundwater have been assessed using direct push and rotary drill procedures for sampling in conformance with applicable ASTM standards. Activities included in the assessment process include utility clearance, preparation of health and safety plans, geophysical surveys, soil boring advancement, monitoring well installations, chemical screening of soil samples, soil and groundwater sample collection and logging, surveying, and report preparation and submittal.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING - Mr. Mihelich has performed over 750 limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicago land area to determine compliance with Illinois Law governing soil management and disposal. Mr. Mihelich has completed assessments for municipal and private clients ranging in size from small soil excavations of less than 20 tons to large scale projects over 30,000 tons of excavated soil. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

REMEDIATION/CONSTRUCTION MANAGEMENT - Mr. Mihelich has extensive remedial design and management experience of environmental impacted properties throughout the Chicago land area and Illinois. This experience includes the oversight and coordination of UST permitting, removal, and sampling and reporting services at former gas stations, dry cleaners and industrial properties. Additionally, Mr. Mihelich has designed and managed the removal of impacted soils and groundwater as non-special waste, special waste and hazardous waste in addition to developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction Demolition Debris (CCDD). These projects include properties less than 0.25 acre in size up to 10 acres in size and have also included a one-mile stretch of municipal roadway undergoing infrastructure improvements. Several of the projects Mr. Mihelich has been involved in have secured focused and comprehensive No Further Remediation (NFR) letters through the Illinois Environmental Protection Agency (EPA) Site Remediation Program (SRP) requiring the placement of engineered barriers, implementation of administrative controls and creation of soil management zones (SMZs).

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) REPORTS – Mr. Mihelich oversees True North's NEPA practice which includes the development of environmental documents required to satisfy federal (National Environmental Policy Act) and various state and local regulations. Mr. Mihelich has been involved NEPA-related work in over 20 states across the U.S which has included identifying, assessing and considering the impacts of federal actions in accordance with the NEPA, Section 106 of the National Preservation Act (NHPA), Section 7 of the Endangered Species Act (ESA) and all other applicable federal, state and local environmental laws.

TRUE NORTH CONSULTANTS

BRIAN S. MIHELICH EXECUTIVE VICE PRESIDENT

BROWNFIELD REDEVELOPMENT - Mr. Mihelich has been responsible for the preparation and submittal of Illinois EPA Municipal Brownfields Redevelopment Grant (MBRG) Program applications to successfully secure grants for Il Illinois communities over the past seven years. Mr. Mihelich has utilized these funds on behalf of municipalities to perform Phase I ESAs, Phase II ESAs, remedial action, and SRP reporting inclusive of the Focused/Comprehensive Site Investigation Reports (F/CSIRs), Remedial Objectives Reports (ROR), Remedial Action Plans (RAP), and Remedial Action Completion Reports (RACR) per Title 35 IAC Parts 740 & 742.

STORAGE TANK MANAGEMENT Various Projects— Mr. Mihelich has been a project manager on at least 50 inactive service station projects. The investigations were used to manage and guide service stations per Title 35 IAC Parts 731, 732, 734 "The Leaking Underground Tank Program" and Part 740 "Site Remediation Program". Project activities included utility clearance, preparation of health and safety plans, drilling soil boring, monitoring well installations, chemical screening of soil samples, soil sample collection and logging, groundwater sampling, surveying, report preparation and submittal, project control/budget monitoring, and reporting.

DRY CLEANER PROJECTS Mr. Mihelich has completed 20 Phase I ESAs, Phase II ESAs, and associated SRP reporting at active plant-on-premises dry cleaners. All investigative activities were completed in conjunction with the requirements of the Illinois Dry Cleaner Trust Fund.

TRAINING/PRESENTATIONS –Mr. Mihelich has presented at multiple seminars on Clean Construction & Demolition Debris (CCDD) requirements in Construction throughout the State of Illinois for public and private organizations including the Illinois Society of Professional Engineers (ISPE), American Public Works Association (APWA), several large construction associations and various commercial development firms.

Certificate of Completion

This certifies that

Brian Mihelich

has successfully completed

8 Hour HAZWOPER Supervisor Refresher Training

This certification alone does NOT indicate INITIAL 8 Hour OSHA Supervisor Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(8)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course (Version 2) is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs

Julius P. Griggs
Instructor #892

210502517130

Certificate Number

5/2/2021

Issue Date

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(855) 784-2677 or 805 306-8027
https://www.safetyunlimited.com

Proof of initial certification and subsequent refresher training is NOT required to take refresher training

TRUE NORTH CONSULTANTS

MICHAEL D. BRENNAN

EXECUTIVE VICE PRESIDENT

SUMMARY OF EXPERIENCE

- Over 28 years of environmental, health and safety consulting experience.
- Offers extensive industrial hygiene experience entailing the recognition, evaluation, and control of those factors which may cause sickness, impaired health conditions, or significant discomfort to human health.
- Provides experience in asbestos management including project design, inspection, planning, and abatement oversight.
- Diverse occupational safety and environmental compliance experience including safety training, reporting, auditing, accident/injury investigation, and community right-to-know issues.
- Extensive experience in facility decommissioning and demolition management.
- Offers extensive experience and knowledge relating to the performance of indoor air quality investigations, mold and moisture investigations, and smoke contaminant investigations.
- Experienced in the application of a wide variety of monitoring and analytical methods required for the detection and evaluation of human exposure to environmental contaminants, and the engineering and control methods used to mitigate hazardous conditions.

RELEVANT EXPERIENCE

ASBESTOS MANAGEMENT – Mr. Brennan has over twenty-five years of experience in the management of asbestos-containing materials including asbestos inspections, training, OSHA consulting, abatement bid requisition, operations & maintenance program development, and remediation management. During this period, Mr. Brennan has conducted over five-hundred asbestos surveys including facility-wide asbestos surveys of various industrial, commercial, public buildings and residential facilities.

REMEDIATION MANAGEMENT – Mr. Brennan has extensive remediation experience associated with those environmental conditions that may impact the indoor environment. Mr. Brennan previously served as project administrator for a large public-school system. During this time, Mr. Brennan managed over 100 environmental remediation projects in order to protect students, faculty, and building occupants from the various environmental conditions that may adversely affect human health. Environmental projects managed included: asbestos abatement; lead mitigation, animal excrement removal; duct cleaning; mold and microbial remediation; UST/AST removal; and PCB ballast and fluorescent & high intensity discharge light removal.

LICENSES/REGISTRATIONS

Licensed Asbestos Management Planner—Illinois

Licensed Asbestos Project Manager & Air Sampling Professional - Illinois

Licensed Asbestos Building Inspector—Illinois, Indiana, Wisconsin, Michigan, Ohio

Licensed Lead Risk Assessor—Illinois

OSHA Certified Trainer—10 Hour General Industry

EDUCATION

M.B.A. Strategy, Execution, & Valuation—DePaul University, Chicago, Illinois

B.S. Environmental Health—Illinois State University, Bloomington-Normal, Illinois

CERTIFICATIONS & TRAINING

40 Hour Hazardous Water Operation & Emergency Response (HAZWOPER) Training

ACGIH Mold, Moisture, & Remediation Workshop (2003)

National Institute of Occupational Safety & Health (NIOSH) 582 Course – "Asbestos Fiber Counting" Accredited

MICHAEL D. BRENNAN EXECUTIVE VICE PRESIDENT

PHASE I ENVIRONMENTAL SITE ASSESSMENTS – Mr. Brennan has performed numerous Phase I ESAs and transaction screens throughout the Midwest. Property types have included residential, light and heavy industrial/manufacturing facilities, commercial buildings, and agricultural properties. Assessment activities includes site reconnaissance, historical data collection and analysis, regulatory database review, and report preparation. Reporting has been prepared in accordance with the latest versions of ASTM 1527, ASTM 1528,, and Federal AAI standards as well as client-specific specifications.

HEALTH & SAFETY CONSULTING – As an OSHA certified trainer, Mr. Brennan has provided health and safety consulting for both general industry and the construction industry. Mr. Brennan previously served as the Environmental, Health and Safety manager for a Fortune 500 manufacturing company as was responsible for all aspects of EH&S compliance and management relating to facility operations. Mr. Brennan is also responsible for the development of Health and Safety Plans (HASPs) for environmental remediation projects. Recently, Mr. Brennan developed of health and safety plans for several established construction firms involved in the seven-year Midway Airport Airside Paving Project. Activities performed included assisting with site-specific health and safety training, evaluation of site conditions, exposure monitoring, and environmental reporting.

INDUSTRIAL HYGIENE – Mr. Brennan has extensive experience in the recognition, evaluation, and control of physical and chemical hazards within the industrial and construction environment. Mr. Brennan recently completed an industrial hygiene survey of a large chemical distribution company. Services included the evaluation of laboratory hood performance, evaluation of chemical storage practices; facility design evaluation; industrial ventilation evaluation within multiple chemical fill rooms; and exposure monitoring and baseline evaluations of employee exposure for selected processes and fill rooms. Project involved the knowledge and application of a wide variety of occupational health and safety standards and guidelines including those published by the Occupational Safety and Health Administration; National Fire Protection Association; American Society of Heating, Refrigerating and Air-Conditioning Engineers; National Institute of Occupational Safety and Health, and the American Conference of Governmental Industrial Hygienists.

DECOMMISSIONING & DEMOLITION MANAGEMENT – As the former EH&S manager for a Fortune 500 manufacturing firm, Mr. Brennan was responsible for managing the decommissioning of a 500,000 square foot production facility prior to the disposition of the property to an outside investment group. Mr. Brennan has managed the decommissioning of numerous structures throughout the Midwest and is actively engaged in the various aspects of environmental compliance and management associated with Site development and facility demolition/decommissioning. In addition, Mr. Brennan was involved in a comprehensive plant-wide decommissioning and decontamination costing evaluation encompassing approximately 4 square miles of building and utility space. Activities performed during the project included the inventory of environmental related contingent liabilities at the site, recommendations for the various D&D options identified, and costing for the abatement/remediation of identified environmental liabilities.

MOLD & INDOOR AIR QUALITY INVESTIGATION - Mr. Brennan has attended the American Conference of Governmental Industrial Hygienists (ACGIH) Mold, Moisture and Remediation workshop for the assessment of mold and moisture impacts on the indoor environment. During the past 25 years, Mr. Brennan has conducted hundreds of mold investigations for residential, educational, and commercial facilities. In addition, Mr. Brennan was responsible for conducting wide-scale indoor air quality investigation in response to employee health complaints within a multi-story commercial office building. The scope of the investigation included: a preliminary investigation of the subject facility; occupant interviews; mechanical system evaluation; thermal comfort conditions evaluation; water sampling; mold and bacteria sampling; and volatile organic compound sampling. Upon receipt of analytical results, a report of findings was submitted to the client with recommendations of corrective actions for identified site conditions.

TRUE NORTH CONSULTANTS

MICHAEL D. BRENNAN EXECUTIVE VICE PRESIDENT

TRAINING/PRESENTATIONS – Mr. Brennan has prepared and presented 2-Hour Asbestos Awareness Training and 16-Hour Asbestos Operations and Maintenance to a variety of recipients inclusive of school districts, construction contractors, and industrial clients.

Certificate of Completion

This certifies that

Michael D. Brennan

has successfully completed

8 Hour HAZWOPER Supervisor Refresher Training

This certification alone does NOT indicate INITIAL 8 Hour OSHA Supervisor Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(8)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course (Version 1) is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs
Julius P. Griggs
Instructor #892

2104305375984
Certificate Number

4/30/2021
Issue Date

ACCREDITED IACET PROVIDER

Scan this code or visit safetyunlimited.com/v to verify certificate.

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https://www.safetyunlimited.com

Proof of initial certification and subsequent refresher training is NOT required to take refresher training

TRUE NORTH CONSULTANTS

MARJORY MCMAHON BREDRUP

SENIOR CONSULTANT

SUMMARY OF EXPERIENCE

- Over eleven years of professional experience in private industry and consulting sector work.
- Demonstrates experience performing IDOT special waste plans and reports, soil analyses and PID oversight services for contractors.
- Offers knowledge of current National Environmental Policy Act (NEPA) compliance requirements, including familiarity with Environmental Assessments and Environmental Impact Statements.
- Provides experience in streetscape, tank removal and new construction oversight
- Experience with specifications, regulations, design and execution of soil and groundwater remediation and management projects.
- Experienced in field data acquisition, techniques, methods and analysis for soil and groundwater investigations.
- Offers knowledge of current Clean Construction and Demolition Debris (CCDD) legislation and proposed rule changes.

RELEVANT EXPERIENCE

IDOT REGULATED SUBSTANCES MANAGEMENT – Ms. Bredrup has performed reporting, sampling and oversight on several IDOT right-of-ways (ROWs) projects throughout District 1 to ensure compliance with IDOT 669 Standard Specifications for Road and Bridge Construction Projects. The services performed on behalf of the contractors and specifically included development of special waste plans and reports (Site Contamination Operation Plan, Site Health and Safety Plan, Site Contamination Erosion Control Plan and Final Construction Reports); waste disposal analyses sampling, and PID oversight screening during regulated substance removal. Additional services included delineation sampling of PSI results which involved utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

PHASE I ENVIRONMENTAL SITE ASSESSMENTS – Ms. Bredrup has performed Phase I ESAs and transaction screens locally. Property types have included residential, light and heavy industrial/manufacturing facilities, commercial buildings, institutional and governmental facilities and agricultural properties. Assessment activities include site

LICENSES/REGISTRATIONS

Asbestos Building Inspector – Illinois

EDUCATION

B.S. Environmental Biology, Eastern Illinois University

M.A. Geography and Environmental Studies, Northeastern Illinois University

CERTIFICATIONS & TRAINING

40-Hour Hazardous Waste Operation & Emergency Response (HAZWOPER) Training

8-Hour Hazardous Waste Operation & Emergency Response (HAZWOPER) Refresher Training

AFFILIATIONS

Illinois Association of Aggregate Producers, Clean Fill Division

National Association of Women in Construction – Metro Chicago Chapter #325, Member

Underground Contractors Association, Emerging Leaders Program

MARJORY MCMAHON BREDRUP SENIOR CONSULTANT

reconnaissance, historical data collection and analysis, regulatory database review, and report preparation. Reporting has been prepared in accordance with the latest versions of ASTM 1527, ASTM 1528, and Federal AAI standards as well as client-specific specifications.

PHASE II ENVIRONMENTAL SITE ASSESSMENTS – Ms. Bredrup has performed limited Phase II ESAs throughout the Chicagoland area as an assistant project manager and technician. Ms. Bredrup has played an integral role in the planning, performance, and reporting of subsurface investigations for vacant/idle land, light and heavy industrial/manufacturing, commercial, institutional and governmental facilities and agricultural properties. Soils and groundwater have been assessed using direct push and rotary drill procedures for sampling in conformance with applicable ASTM standards. Activities included in the assessment process include utility clearance, preparation of health and safety plans, geophysical surveys, soil boring advancement, monitoring well installations, chemical screening of soil samples, soil and groundwater sample collection and logging, surveying, and report preparation and submittal.

REMEDIATION DESIGN/CONSTRUCTION MANAGEMENT – Ms. Bredrup has seven years of remedial management experience of environmental impacted properties throughout the Chicago land area. This experience includes the oversight and coordination of UST permitting, removal, and sampling and reporting services at former gas stations and dry cleaners. Ms. Bredrup has been involved in the planning and design of remedial efforts inclusive of soil remediation. Remedial efforts have included the remediation of hazardous waste soil impacted with dry cleaning solvents, petroleum and lead impacted soils from leaking USTs, and creation of soil management zones (SMZs) used to maintain contaminated soils on-site.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING – Ms. Bredrup has performed numerous limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicago land area to determine compliance with Illinois Law governing soil management and disposal. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction and Demolition Debris (CCDD), and report preparation and submittal.

STORAGE TANK MANAGEMENT – Ms. Bredrup has been involved in several phases of underground storage tank management including consulting, tank removals, assessment, remediation, and reporting.

PERMIT COMPLIANCE – Ms. Bredrup has three years of experience as the Environmental Department Manager of a corporation that consisted of a CCDD facility, Waste Transfer Station, Quarry and Shingle Recycling facility. Responsibilities included drafting CCDD legislation on behalf of quarry and aggregate operators, permitting facilities for the acceptance of CCDD materials, ensuring facility compliance with CCDD regulations and environmental due-diligence practices.

Certificate of Completion

This certifies that

Marjory Bredrup

has successfully completed

8 Hour HAZWOPER Refresher Training

Refresher certification does NOT necessarily indicate initial 24 or 40 Hour HAZWOPER certification

In Accordance w/Federal OSHA Regulation 29 CFR 1910.120(e) & (p)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course (Version 1) is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044).

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs

Julius P. Griggs
Instructor #892

2010015180025

Certificate Number

10/1/2020

Issue Date

ACCREDITED IACET PROVIDER

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SAFETY UNLIMITED, Inc.
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https://www.safetyunlimited.com

Proof of initial certification and subsequent refresher training is NOT required to take refresher training

TRUE NORTH CONSULTANTS

MELISSA L. KUPCZYK

STAFF CONSULTANT

SUMMARY OF EXPERIENCE

- Professional experience in the private industry from 2015 to 2017 (ATI Environmental Inc) and currently with True North Consultants.
- Demonstrates experience utilizing and maintaining field equipment, such as peristaltic pumps, multiparameter water quality meters, and photoionization detectors.
- Experience performing IDOT special waste/plans, soil analyses and PID oversight services for contractors.
- Familiar with specifications for soil and groundwater remediation and management projects.
- Provides experience in field data acquisition and analysis for soil, groundwater, and surface water investigations.
- Offers knowledge of current Clean Construction and Demolition Debris (CCDD) legislation and proposed rule changes.

RELEVANT EXPERIENCE

IDOT REGULATED SUBSTANCES MANAGEMENT – Ms. Bredrup has performed reporting, sampling, and oversight on several IDOT right-of-ways (ROWs) projects throughout District 1 to ensure compliance with IDOT 669 Standard Specifications for Road and Bridge Construction Projects. The services performed on behalf of the contractors and specifically included development of special waste plans and reports (Site Contamination Operation Plan, Site Health and Safety Plan, Site Contamination Erosion Control Plan and Final Construction Reports); waste disposal analyses sampling, and PID oversight screening during regulated substance removal. Additional services included delineation sampling of PSI results which involved utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

PHASE I ENVIRONMENTAL SITE ASSESSMENTS – Ms. Kupczyk has assisted with limited Phase I ESAs within Illinois for property types that include gas stations and surrounding properties as a project scientist with True North. Assessment activities include site reconnaissance, historical data collection and analysis, regulatory database review, and report preparation. Reporting has been prepared in accordance with the latest versions of ASTM 1527, ASTM 1528, and Federal AAI standards as well as client-specific specifications.

EDUCATION

B.S. Environmental Geoscience, Northern Illinois University

B.S. Environmental Studies, Northern Illinois University

CERTIFICATIONS & TRAINING

40-Hour Hazardous Waste Operations & Emergency Response (HAZWOPER) Training

8-Hour Hazardous Waste Operations & Emergency Response (HAZWOPER) Refresher Training

MELISSA L. KUPCZYK

STAFF CONSULTANT

PHASE II ENVIRONMENTAL SITE ASSESSMENTS – Ms. Kupczyk has performed limited Phase II ESAs throughout the Chicago land area as a consultant with True North. Ms. Kupczyk has played an integral role in the performance and reporting of subsurface investigations for vacant/idle land, light and heavy industrial/manufacturing, commercial, institutional, and governmental facilities and agricultural properties. Soils and groundwater have been assessed using direct push and rotary drill procedures for sampling in conformance with applicable ASTM standards. Activities included in the assessment process include utility clearance, preparation of health and safety plans, soil boring advancement, chemical screening of soil samples, soil sample collection and logging, surveying, and report preparation and submittal.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING – Ms. Kupczyk has performed limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicago land area to determine compliance with Illinois Law governing soil management and disposal. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction and Demolition Debris (CCDD), and report preparation and submittal.

OTHER FIELD SAMPLING - Experience collecting a variety of environmental samples from nuclear power generating facilities, including groundwater, surface water, air filters, radiation dosimeters, and vegetation. Worked on site at multiple nuclear power plants in support of onsite chemistry personnel to ensure that monthly and quarterly sampling procedures were completed in accordance with NRC and IEPA guidelines.

Certificate of Completion

This certifies that

Melissa Kupczyk

has successfully completed

8 Hour HAZWOPER Refresher Training

Refresher certification does NOT necessarily indicate initial 24 or 40 Hour HAZWOPER certification

In Accordance w/Federal OSHA Regulation 29 CFR 1910.120(e) & (p)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course (Version 2) is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044).

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs

Julius P. Griggs
Instructor #892

2105135234266

Certificate Number

5/13/2021

Issue Date

ACCREDITED IACET PROVIDER

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https://www.safetyunlimited.com

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Proof of initial certification and subsequent refresher training is NOT required to take refresher training

TRUE NORTH CONSULTANTS

BRODY POSS

PROJECT CONSULTANT

SUMMARY OF EXPERIENCE

- Demonstrated experience performing IDOT special waste/plans, soil analyses and PID oversight services for contractors.
- Familiar with specifications for soil and groundwater remediation and management projects.
- Provides experience in field data acquisition and analysis for soil and groundwater investigations.
- Offers knowledge of current Clean Construction and Demolition Debris (CCDD) legislation and proposed rule changes.

RELEVANT EXPERIENCE

DOT REGULATED SUBSTANCES MANAGEMENT – Mr. Poss has performed reporting, sampling and oversight on DOT right-of-ways (ROWs) projects throughout District 1 to ensure compliance with IDOT 669 Standard Specifications for Road and Bridge Construction Projects. These services we performed on behalf of the contractors and specifically included development of special waste plans and reports (Site Contamination Operation Plan, Site Health and Safety Plan, Site Contamination Erosion Control Plan and Final Construction Reports); waste disposal analyses sampling, and PID oversight screening during regulated substance removal Additional services included delineation sampling of PSI results which involved utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING – Mr. Poss has performed limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicago land area to determine compliance with Illinois Law governing soil management and disposal. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction and Demolition Debris (CCDD), and report preparation and submittal.

EDUCATION

B.S. Environmental Science, University of Wisconsin, Madison

CERTIFICATIONS & TRAINING

40 Hour Hazardous Water Operation & Emergency Response (HAZWOPER) Training

Certificate of Completion

This certifies that

Brody Poss

has successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs
Julius P. Griggs
Instructor #892

2104214352021
Certificate Number

4/21/2021
Issue Date

ACCREDITED IACET PROVIDER

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Annual Refresher Training NOT Required

SAFETY UNLIMITED, Inc.
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TRUE NORTH CONSULTANTS

Ali Graczyk

PROJECT CONSULTANT

SUMMARY OF EXPERIENCE

- Demonstrated experience performing IDOT special waste/plans, soil analyses and PID oversight services for contractors.
- Familiar with specifications for soil and groundwater remediation and management projects.
- Provides experience in field data acquisition and analysis for soil and groundwater investigations.
- Offers knowledge of current Clean Construction and Demolition Debris (CCDD) legislation and proposed rule changes.

RELEVANT EXPERIENCE

DOT REGULATED SUBSTANCES MANAGEMENT – Ms. Graczyk has performed reporting, sampling and oversight on DOT right-of-ways (ROWs) projects throughout District 1 to ensure compliance with IDOT 669 Standard Specifications for Road and Bridge Construction Projects. These services we performed on behalf of the contractors and specifically included development of special waste plans and reports (Site Contamination Operation Plan, Site Health and Safety Plan, Site Contamination Erosion Control Plan and Final Construction Reports); waste disposal analyses sampling, and PID oversight screening during regulated substance removal Additional services included delineation sampling of PSI results which involved utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING – Ms. Graczyk has performed limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicago land area to determine compliance with Illinois Law governing soil management and disposal. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction and Demolition Debris (CCDD), and report preparation and submittal.

EDUCATION

B.S. Environmental Science, Loyola University Chicago

CERTIFICATIONS & TRAINING

40 Hour Hazardous Waste Operation & Emergency Response (HAZWOPER) Training

8 Hour Hazardous Waste Operation & Emergency Response (HAZWOPER) Supervisor Training

DOT General Awareness of Hazardous Material

IDOT BDE 2021 Regulated Substances, Construction Projects & Special Provisions Refresher Training Course

Certificate of Completion

This certifies that

Alison Graczyk

has successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs

Julius P. Griggs
Instructor #892

2104204370380

Certificate Number

4/20/2021

Issue Date

ACCREDITED IACET PROVIDER

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Annual Refresher Training NOT Required

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TRUE NORTH CONSULTANTS

Joe Hiltenbrand

PROJECT CONSULTANT

SUMMARY OF EXPERIENCE

- Demonstrated experience performing IDOT special waste/plans, soil analyses and PID oversight services for contractors.
- Familiar with specifications for soil and groundwater remediation and management projects.
- Provides experience in field data acquisition and analysis for soil and groundwater investigations.
- Offers knowledge of current Clean Construction and Demolition Debris (CCDD) legislation and proposed rule changes.

RELEVANT EXPERIENCE

DOT REGULATED SUBSTANCES MANAGEMENT – Mr. Hiltenbrand has performed reporting, sampling and oversight on DOT right-of-ways (ROWs) projects throughout District 1 to ensure compliance with IDOT 669 Standard Specifications for Road and Bridge Construction Projects. These services we performed on behalf of the contractors and specifically included development of special waste plans and reports (Site Contamination Operation Plan, Site Health and Safety Plan, Site Contamination Erosion Control Plan and Final Construction Reports); waste disposal analyses sampling, and PID oversight screening during regulated substance removal Additional services included delineation sampling of PSI results which involved utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING – Mr. Hiltenbrand has performed limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicago land area to determine compliance with Illinois Law governing soil management and disposal. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction and Demolition Debris (CCDD), and report preparation and submittal.

GENERAL UTILITY CONTRACTING – Mr. Hiltenbrand worked as a contractor for ComEd, creating work plans for vegetation removal to facilitate capital relocation projects. Activities included working alongside several electric utility contractors for relocation projects along both IDOT and Lake County DOT, securing proper permitting for tree crews to perform work.

EDUCATION

B.S. Natural Resources and Environmental Science, University of Kentucky

CERTIFICATIONS & TRAINING

40 Hour Hazardous Waste Operation & Emergency Response (HAZWOPER) Training

DOT General Awareness of Hazardous Material

BDE 2021 Regulated Substances, Construction Projects & Special Provisions Refresher Training Course

Certificate of Completion

This certifies that

Joseph Hiltenbrand

has successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs

Julius P. Griggs
Instructor #892

2104204371617

Certificate Number

4/20/2021

Issue Date

ACCREDITED IACET PROVIDER

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Annual Refresher Training NOT Required

TRUE NORTH CONSULTANTS

MARINA GREENWELL

STAFF CONSULTANT

SUMMARY OF EXPERIENCE

- Demonstrated experience performing IDOT special waste/plans, soil analyses and PID oversight services for contractors.
- Offers knowledge of current National Environmental Policy Act (NEPA) compliance requirements, including familiarity with Environmental Reports, Environmental Assessments and Environmental Impact Statements.
- Familiar with specifications for soil and groundwater remediation and management projects.
- Provides experience in field data acquisition, techniques, methods and analysis for soil and groundwater investigations.
- Offers knowledge of current Clean Construction and Demolition Debris (CCDD) legislation and proposed rule changes.

RELEVANT EXPERIENCE

DOT REGULATED SUBSTANCES MANAGEMENT – Ms. Greenwell has performed reporting, sampling and oversight on IDOT right-of-ways (ROWs) projects throughout District I to ensure compliance with IDOT 669 Standard Specifications for Road and Bridge Construction Projects. These services we performed on behalf of the contractors and specifically included development of special waste plans and reports (Site Contamination Operation Plan, Site Health and Safety Plan, Site Contamination Erosion Control Plan and Final Construction Reports); waste disposal analyses sampling, and PID oversight screening during regulated substance removal Additional services included delineation sampling of PSI results which involved utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

PHASE II ENVIRONMENTAL SITE ASSESSMENTS – Ms. Greenwell has assisted with multiple Phase II ESAs throughout the Chicago land area. Ms. Greenwell has played an integral role in the performance and reporting of subsurface investigations for vacant/idle land, light and heavy industrial/manufacturing, commercial, institutional and governmental facilities and agricultural properties. Soils and groundwater have been assessed using direct push and rotary drill procedures for sampling in conformance with applicable ASTM standards. Activities included in the assessment process include utility clearance, preparation of health and safety plans, geophysical surveys, soil boring advancement, monitoring well installations, chemical screening of soil samples, soil and

EDUCATION

B.S. Environmental Science, Bethel University-Saint Paul, MN

CERTIFICATIONS & TRAINING

40-Hour Hazardous Waste Operations & Emergency Response (HAZWOPER) Training

8-Hour Hazardous Waste Operations & Emergency Response (HAZWOPER) Refresher Training

groundwater sample collection and logging, surveying, and report preparation and submittal.

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) REPORTS – Ms. Greenwell has completed multiple Environmental Assessments, Environmental Reports and Limited NEPA Assessments across the United States. Assessment activities included identifying, assessing and considering the impacts of federal actions in accordance with the NEPA, Section 106 of the National Preservation Act (NHPA), Section 7 of the Endangered Species Act (ESA) and all other applicable federal, state and local environmental laws.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING – Ms. Greenwell has performed soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicago land area to determine compliance with Illinois Law governing soil management and disposal. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction and Demolition Debris (CCDD), and report preparation and submittal.

Certificate of Completion

This certifies that

Marina Jawad

has successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs
Julius P. Griggs
Instructor #892

2104234269083
Certificate Number

4/23/2021
Issue Date

ACCREDITED IACET PROVIDER

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Annual Refresher Training NOT Required

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https://www.safetyunlimited.com

TRUE NORTH CONSULTANTS

KAITLYN PHILLIPS

ASSOCIATE CONSULTANT

SUMMARY OF EXPERIENCE

- Over 2 years of environmental, health and safety consulting experience.
- Provides experience in scientific writing.
- Provides experience in field data acquisition and analysis for hazardous waste investigations.

RELEVANT EXPERIENCE

SOIL ASSESSMENT AND MANAGEMENT CONSULTING – Ms. Phillips has performed limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the northern Virginia land area to determine compliance with Virginia Law governing soil management and disposal. Activities included in the assessment process include historical and regulatory records review, utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, developing soil management plans to delineate soils for disposal at a licensed waste facility or Clean Construction and Demolition Debris (CCDD), and report preparation and submittal.

INDUSTRIAL HYGIENE – Ms. Phillips has experience in the recognition, evaluation, and control of physical and chemical hazards within the industrial and construction environment.

LICENSES/REGISTRATIONS

16 Hour Mold Inspection and Assessment

EDUCATION

B.S., Biological Sciences, Virginia Polytechnic Institute and State University, Blacksburg, Virginia

M.S.P.H, Environmental Sciences and Engineering, University of North Carolina – Chapel Hill, Chapel Hill, North Carolina

CERTIFICATIONS & TRAINING

40 Hour Hazardous Water Operation & Emergency Response (HAZWOPER) Training

Certificate of Completion

This certifies that

Mark Dreher

has successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs
Julius P. Griggs
Instructor #892

2104234288143
Certificate Number

4/23/2021
Issue Date

ACCREDITED IACET PROVIDER

Scan this code or visit safetyunlimited.com/v to verify certificate.

Annual Refresher Training NOT Required

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OSHA Compliant Safety Training Since 1993

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https://www.safetyunlimited.com

TRUE NORTH CONSULTANTS

Madelyn G. Rodgers

PROJECT CONSULTANT

SUMMARY OF EXPERIENCE

- A combined one year of Environmental and Industrial Hygiene experience.
- Offers industrial hygiene experience entailing the recognition, evaluation, and control of those factors which may cause sickness, impaired health conditions, or significant discomfort to human health.
- Provides experience in asbestos and lead management including inspection, air monitoring, and abatement oversight.
- Offers experience and knowledge relating to the performance of indoor air quality investigations, lead-based paint, and asbestos surveys.
- Prepared with knowledge and experience in outdoor environmental restoration.
- Experienced in the application of a wide variety of monitoring and analytical methods required for the detection and evaluation of human exposure to environmental contaminants, and the engineering and control methods used to mitigate hazardous conditions.

RELEVANT EXPERIENCE

ASBESTOS MANAGEMENT – Ms. Rodgers has six months of experience in the management of asbestos-containing materials including asbestos inspections, air monitoring, and abatement management.

REMEDIATION MANAGEMENT – Ms. Rodgers has remediation experience associated with those environmental conditions that may impact the indoor environment. Ms. Rodgers has assisted in environmental remediation projects to ensure the protection of students, faculty, and building occupants from the various environmental conditions that may adversely affect human health. Environmental projects managed include asbestos abatement and lead-based paint abatement.

INDUSTRIAL HYGIENE – Ms. Rodgers has experience in the recognition, evaluation, and control of physical and chemical hazards within the industrial and construction environment. Ms. Rodgers has assisted in multiple industrial projects performing inspections, air sampling, contractor compliance personal monitoring for asbestos and lead-based paint abatement and building demolition work. These projects involved the knowledge and application of a wide variety of occupational health and safety standards and guidelines including those published by the Occupational Safety and Health Administration and National Institute of Occupational Safety and Health.

EDUCATION

B.S. Environmental Health—Illinois State University, Bloomington-Normal, Illinois

CERTIFICATIONS & TRAINING

Certified Environmental Specialist Professional (ESP)

OSHA 10-Hour General Industry

OSHA 30-Hour Construction Safety & Health

OSHA 40-Hour Hazardous Waste Operations and Emergency Response Training

Trusted Partner. Leading Environmental Solutions.

Madelyn G. Rodgers PROJECT CONSULTANT

MOLD & INDOOR AIR QUALITY INVESTIGATION – Ms. Rodgers has conducted mold and indoor air quality investigations for residential and educational facilities.

Certificate of Completion

This certifies that

Madelyn Rodgers

has successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs
Julius P. Griggs
Instructor #892

2104164374125
Certificate Number

4/16/2021
Issue Date

ACCREDITED IACET PROVIDER

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https://www.safetyunlimited.com

Annual Refresher Training NOT Required

CERTIFICATE OF COMPLETION

This certifies that

Madelyn Rodgers

has successfully completed the course

HAZWOPER 40 HR

Course Duration
40.0

Completion Date
01/03/2021

Samantha Montalbano
Chief Operating Officer

(CUT HERE)

This is your pocket card which may be used as proof of completion of your training.
This training is intended to provide supervisor awareness for recognizing and preventing hazards on a construction site. Workers must receive additional training as required for the specific hazards of their job or federal, state, and local requirements.

Questions? support@360training.com 877.881.2235

visit: www.360training.com/osha-campus

(FOLD)

This certifies that the person named below has successfully completed the

Madelyn Rodgers

HAZWOPER 40 HR

01/03/2021
Completion date

Curtis Chambers
Trainer Name

(CUT HERE)

TRUE NORTH CONSULTANTS

ROY W. BASS, JR.

PROJECT CONSULTANT

SUMMARY OF EXPERIENCE

- 15 years of Project Management - Asbestos Abatement & Demolition Projects
- 25 years of experience as forestry foreman
- Provides experience in asbestos management and abatement inclusive of inspection and abatement oversight
- Provides experience in field data acquisition and analysis for soil, groundwater, surface water and hazardous waste investigations

RELEVANT EXPERIENCE

ASBESTOS MANAGEMENT – Mr. Bass has over 19 years of experience of project management dealing with pre-purchase property inspection, asbestos surveys of structures and the demolition of the structures inclusive of residential and commercial facilities. Mr. Bass has performed over 50 different asbestos inspection projects from small houses to structures of over 90,000 total square feet. Mr. Bass's project management experience includes the preparation of asbestos abatement and demolition specifications, performance of walk-throughs for bidding purposes, on-site inspection of work activities and evaluation of payout requests.

SOIL ASSESSMENT AND MANAGEMENT CONSULTING - Mr. Bass has performed limited soil assessments of commercial, industrial, residential, vacant properties and right-of-ways (ROWs) throughout the Chicagoland area to determine compliance with Illinois regulations governing soil management and disposal. Activities included in the assessment process utility clearance, soil boring advancement, physical soil screening with PID, soil sample collection and logging, and report preparation and submittal.

LICENSES/REGISTRATIONS

IDPH Licensed Asbestos Building Inspector—Illinois & Wisconsin & Indiana

IDPH Licensed Asbestos Project Manager / Air Sampling Professional – Illinois

EDUCATION

High School Diploma

One year of College

CERTIFICATIONS & TRAINING

40 Hour Hazardous Waste Operation & Emergency Response (HAZWOPER) Training

40 Hour OSHA General Industry

ROY W. BASS, JR. PROJECT CONSULTANT

Trusted Partner. Leading Environmental Solutions.

Certificate of Completion

This certifies that

Roy W. Bass Jr.

has successfully completed

8 Hour HAZWOPER Supervisor Refresher Training

This certification alone does NOT indicate INITIAL 8 Hour OSHA Supervisor Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(8)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course (Version 2) is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs
Julius P. Griggs
Instructor #892

2104155374177
Certificate Number

4/15/2021
Issue Date

ACCREDITED IACET PROVIDER

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TRUE NORTH CONSULTANTS

TYLER J. CLARK, CMI

STAFF CONSULTANT

SUMMARY OF EXPERIENCE

- Over 3 years of Industrial Hygiene experience.
- Offers extensive industrial hygiene experience entailing the recognition, evaluation, and control of those factors which may cause sickness, impaired health conditions, or significant discomfort to human health.
- Provides experience in asbestos management including inspection, air monitoring, and abatement oversight.
- Offers experience and knowledge relating to the performance of indoor air quality investigations, mold and moisture investigations and asbestos surveys.
- Experienced in the application of a wide variety of monitoring and analytical methods required for the detection and evaluation of human exposure to environmental contaminants, and the engineering and control methods used to mitigate hazardous conditions.

RELEVANT EXPERIENCE

ASBESTOS MANAGEMENT – Mr. Clark has over two years of experience in the management of asbestos-containing materials including asbestos inspections, air monitoring, and abatement management.

REMEDIATION MANAGEMENT – Mr. Clark has extensive remediation experience associated with those environmental conditions that may impact the indoor environment. Mr. Clark has managed environmental remediation projects to ensure the protection of students, faculty, and building occupants from the various environmental conditions that may adversely affect human health. Environmental projects managed included: asbestos abatement; and mold and microbial remediation.

INDUSTRIAL HYGIENE – Mr. Clark has extensive experience in the recognition, evaluation, and control of physical and chemical hazards within the industrial and construction environment Mr. Clark has served as an industrial hygiene professional on multiple commercial, retail and industrial projects performing inspections, air sampling, contractor compliance personal monitoring for asbestos and mold abatement and building demolition work. These projects involved the knowledge and application of a wide variety of occupational health and safety standards and guidelines including those published by the Occupational Safety and Health Administration (OSHA) and National Institute of Occupational Safety and Health (NIOSH).

LICENSES/REGISTRATIONS

Licensed Asbestos Project Manager & Air Sampling Professional - Illinois

Licensed Asbestos Building Inspector—Wisconsin

EDUCATION

B.S. Environmental Health—Illinois State University, Bloomington-Normal, Illinois

CERTIFICATIONS & TRAINING

Certified Microbial Investigator (CMI)

OSHA 30-Hour Construction Safety & Health

OSHA 40-Hour Hazardous Waste Operations and Emergency Response Training

Air Sampling and Fiber Counting (NIOSH 582) Equivalent

TYLER J. CLARK, CMI STAFF CONSULTANT

MOLD & INDOOR AIR QUALITY INVESTIGATION - Mr. Clark has conducted mold investigations for residential, educational, and commercial facilities. In addition, Mr. Clark was responsible for conducting wide-scale mold and indoor air quality investigations within numerous medical facilities. The scope of the investigations typically included: a preliminary investigation of the Site; occupant interviews; moisture mapping, and mold sampling. Upon receipt of analytical results, a report of findings is submitted to the Client with recommendations of corrective actions for identified Site conditions.

Certificate of Completion

This certifies that

Tyler Clark

has successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs
Julius P. Griggs
Instructor #892

2104284375617
Certificate Number

4/28/2021
Issue Date

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Annual Refresher Training NOT Required

CERTIFICATE OF COMPLETION

This certifies that

Caitlin Saville

has successfully completed the course

HAZWOPER 8 hr Annual Refresher

Course Duration
8.0

Completion Date
04/04/2021

Samantha Montalbano
Chief Operating Officer

6801 N Capital of Texas Hwy, Bldg 1, Suite 250 | Austin, TX 78731 | 877.881.2235 | www.360training.com

(CUT HERE)

This is your pocket card which may be used as proof of completion of your training.
This training is intended to provide supervisor awareness for recognizing and preventing hazards on a construction site. Workers must receive additional training as required for the specific hazards of their job or federal, state, and local requirements.

(FOLD)

Questions? support@360training.com

visit: www.360training.com/osha-campus 877.881.2235

This certifies that the person named below has successfully completed the

Caitlin Saville

HAZWOPER 8 hr Annual Refresher

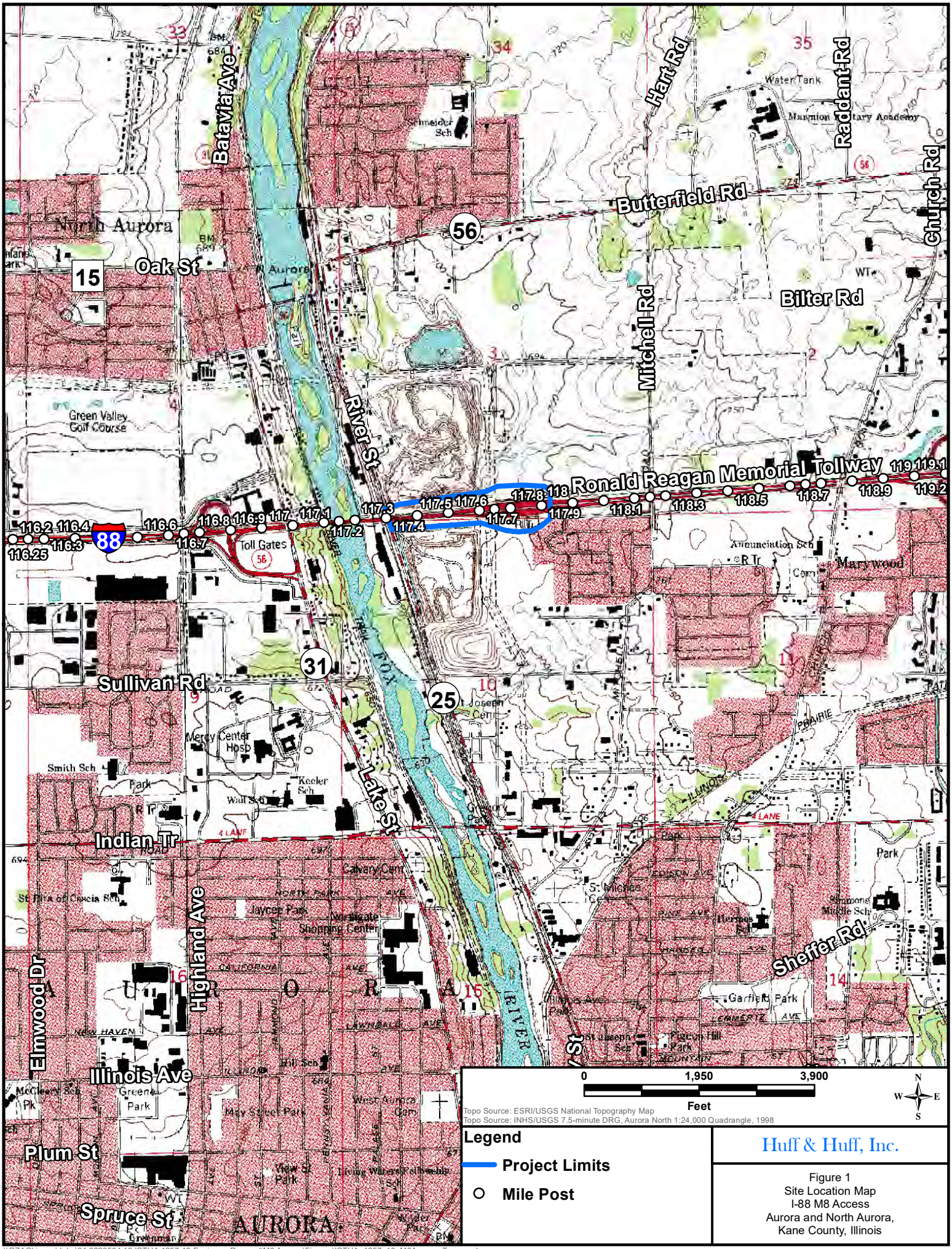
Curtis Chambers
Trainer Name

04/04/2021
Completion date

(CUT HERE)

APPENDIX B

Huff & Huff Phase II ESA Figures



Topo Source: ESRI/USGS National Topography Map
Topo Source: INHS/USGS 7.5-minute DRG, Aurora North 1:24,000 Quadrangle, 1998

Legend

- Project Limits
- Mile Post

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Figure 1
Site Location Map
I-88 M8 Access
Aurora and North Aurora,
Kane County, Illinois

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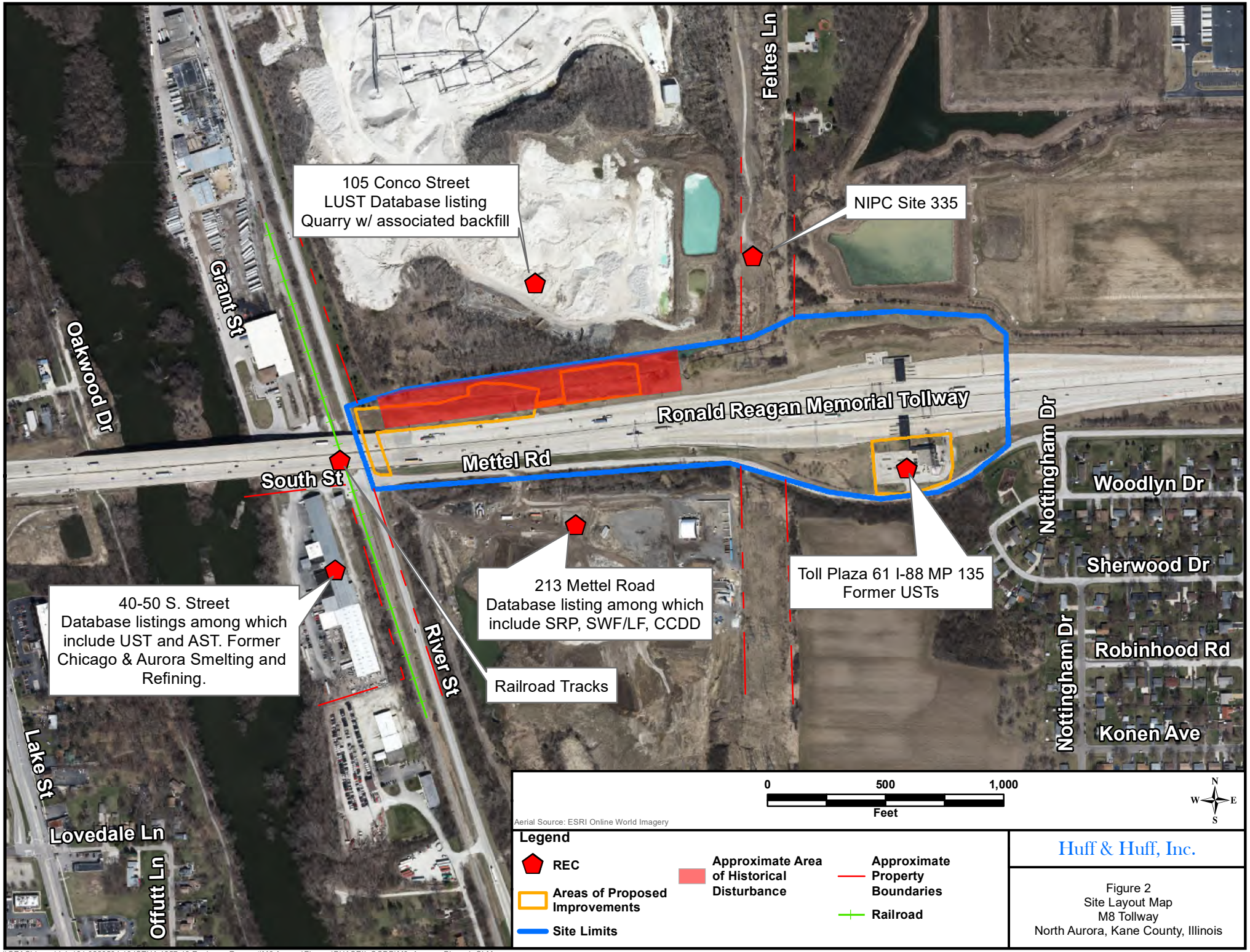

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Figure 2
Site Layout Map
M8 Tollway
North Aurora, Kane County, Illinois

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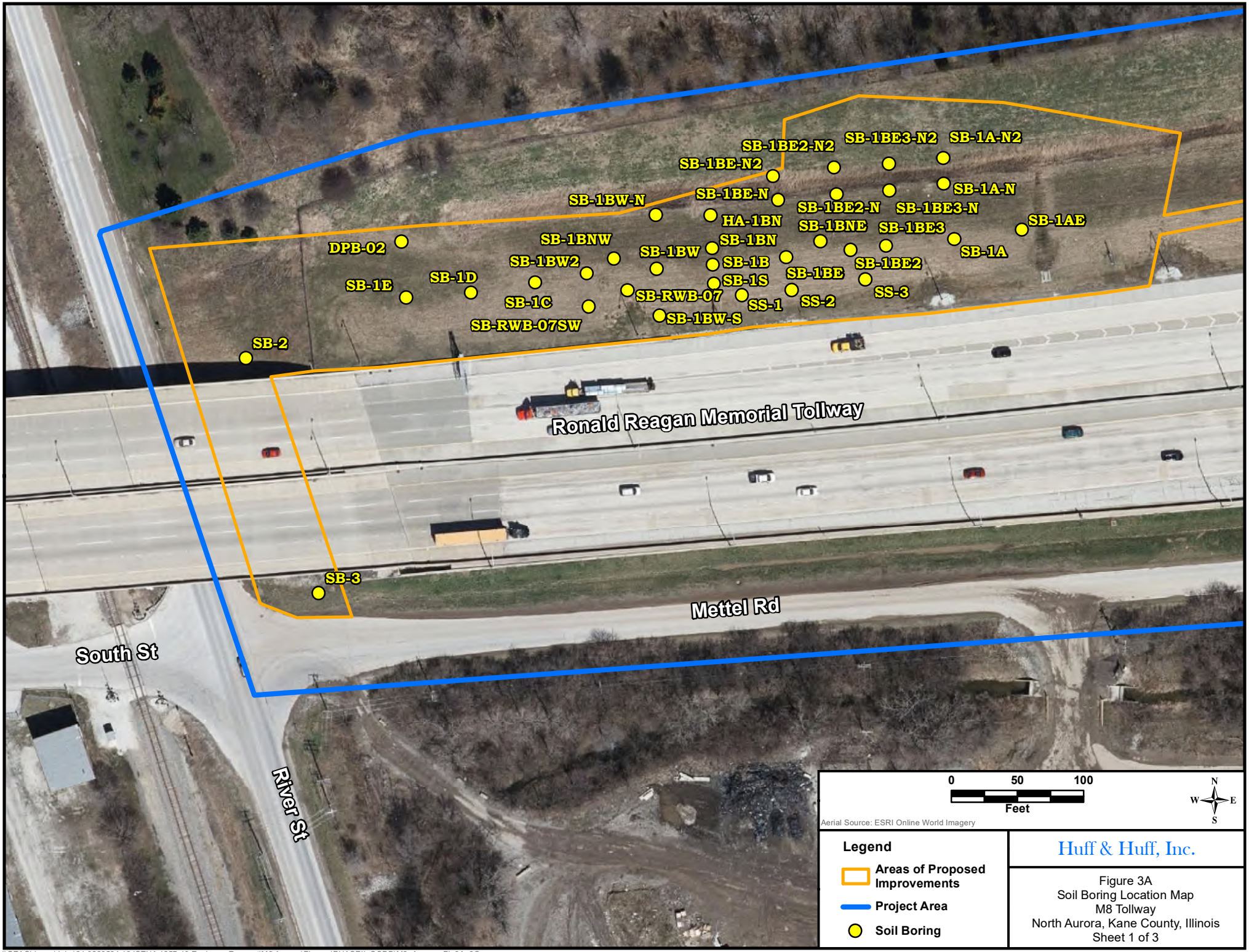

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Huff & Huff, Inc.

Figure 3B
Soil Boring Location Map
M8 Tollway
North Aurora, Kane County, Illinois
Sheet 2 of 3

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Huff & Huff, Inc.

Figure 3C
Soil Boring Location Map
M8 Tollway
North Aurora, Kane County, Illinois
Sheet 3 of 3

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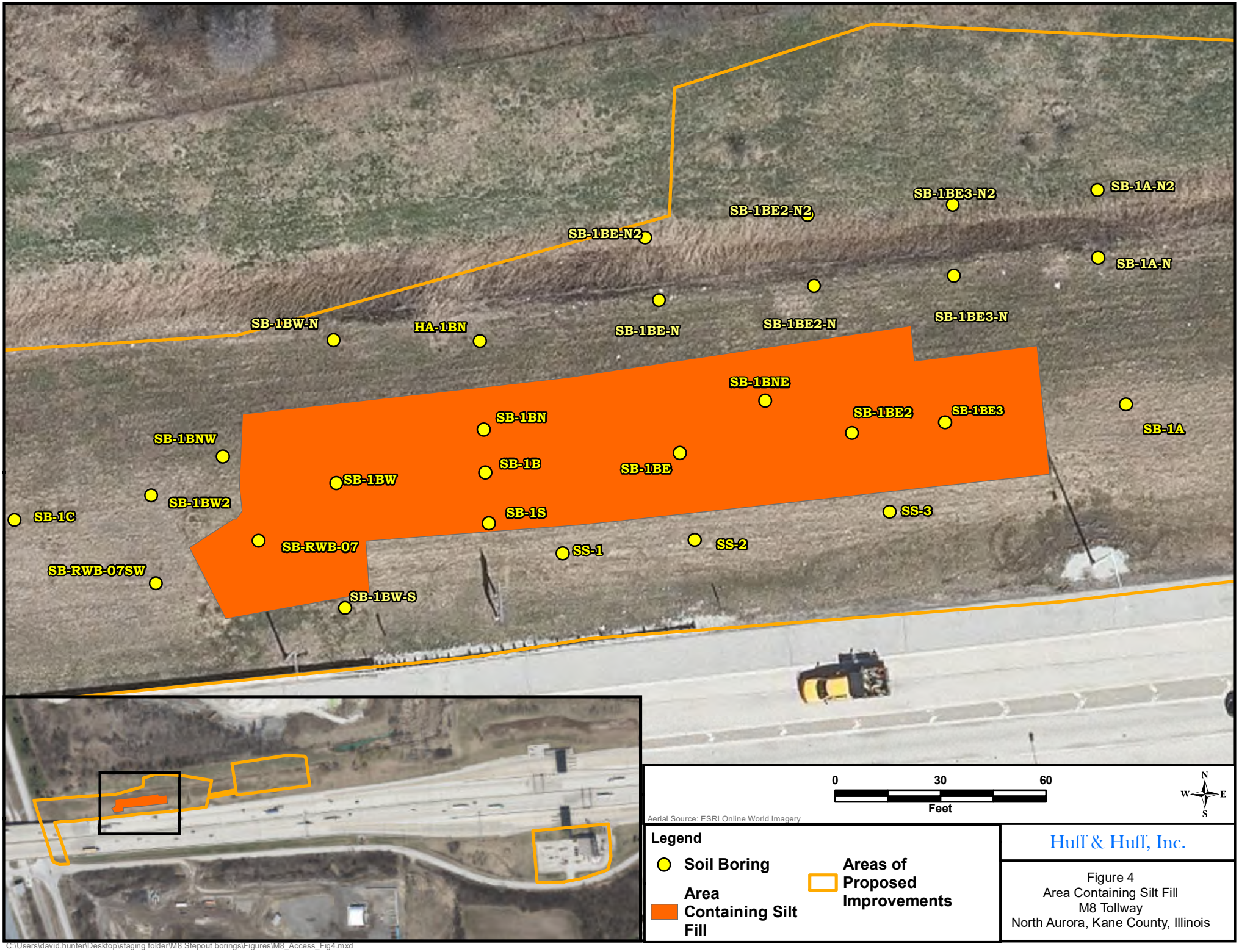

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Figure 4
Area Containing Silt Fill
M8 Tollway
North Aurora, Kane County, Illinois

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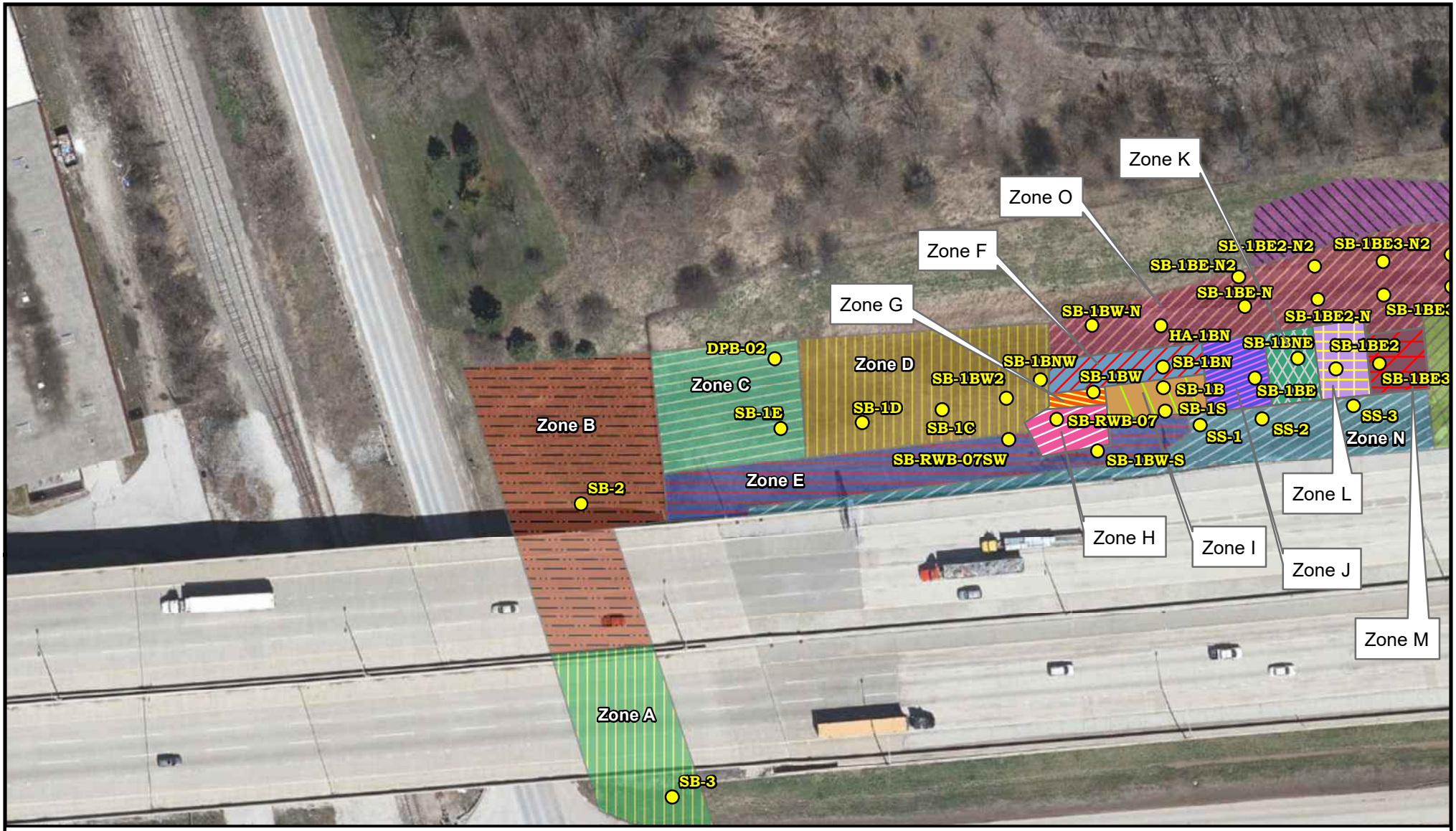

Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

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Figure 5A
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 1 of 4

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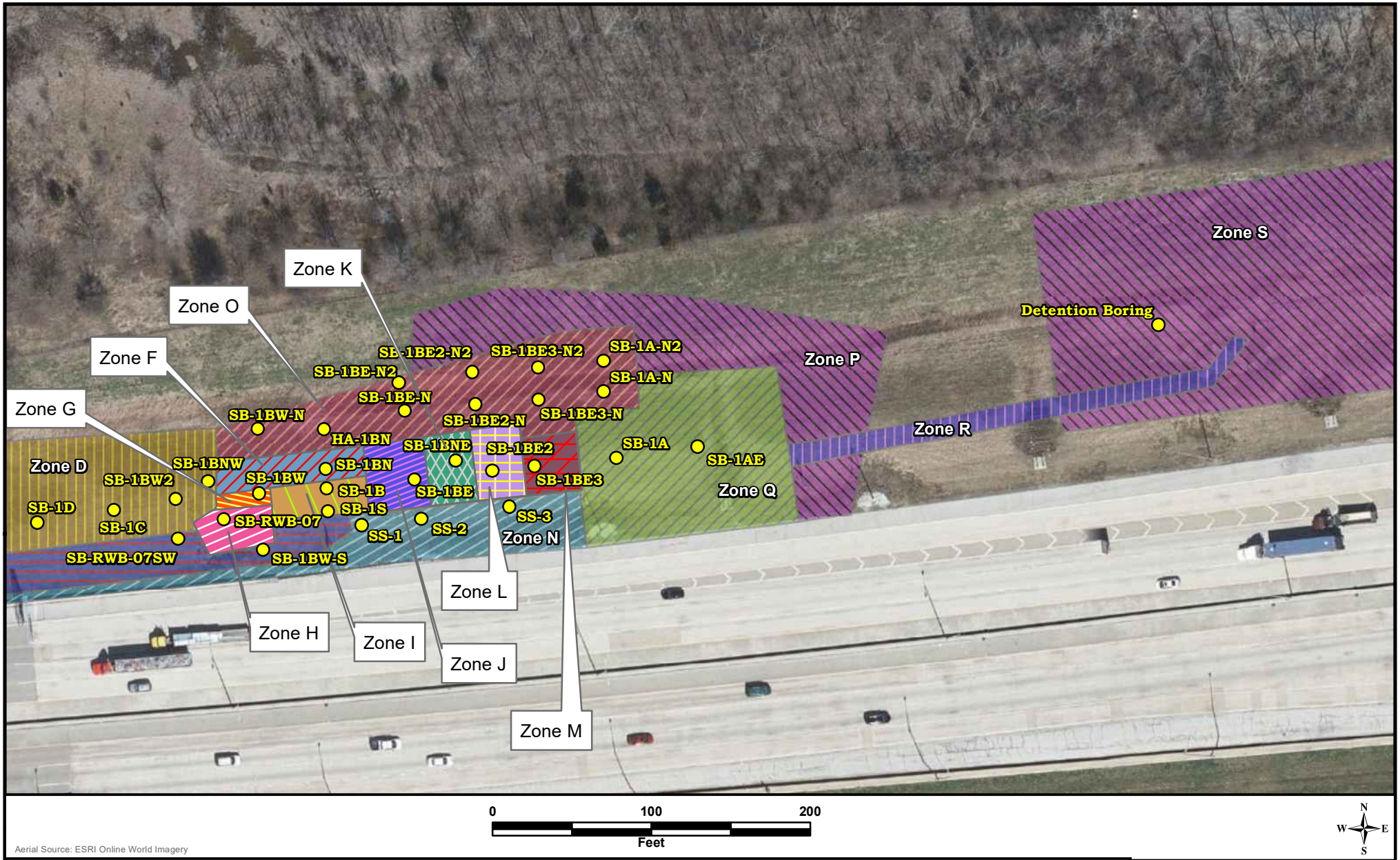

Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

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Figure 5B
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 2 of 4

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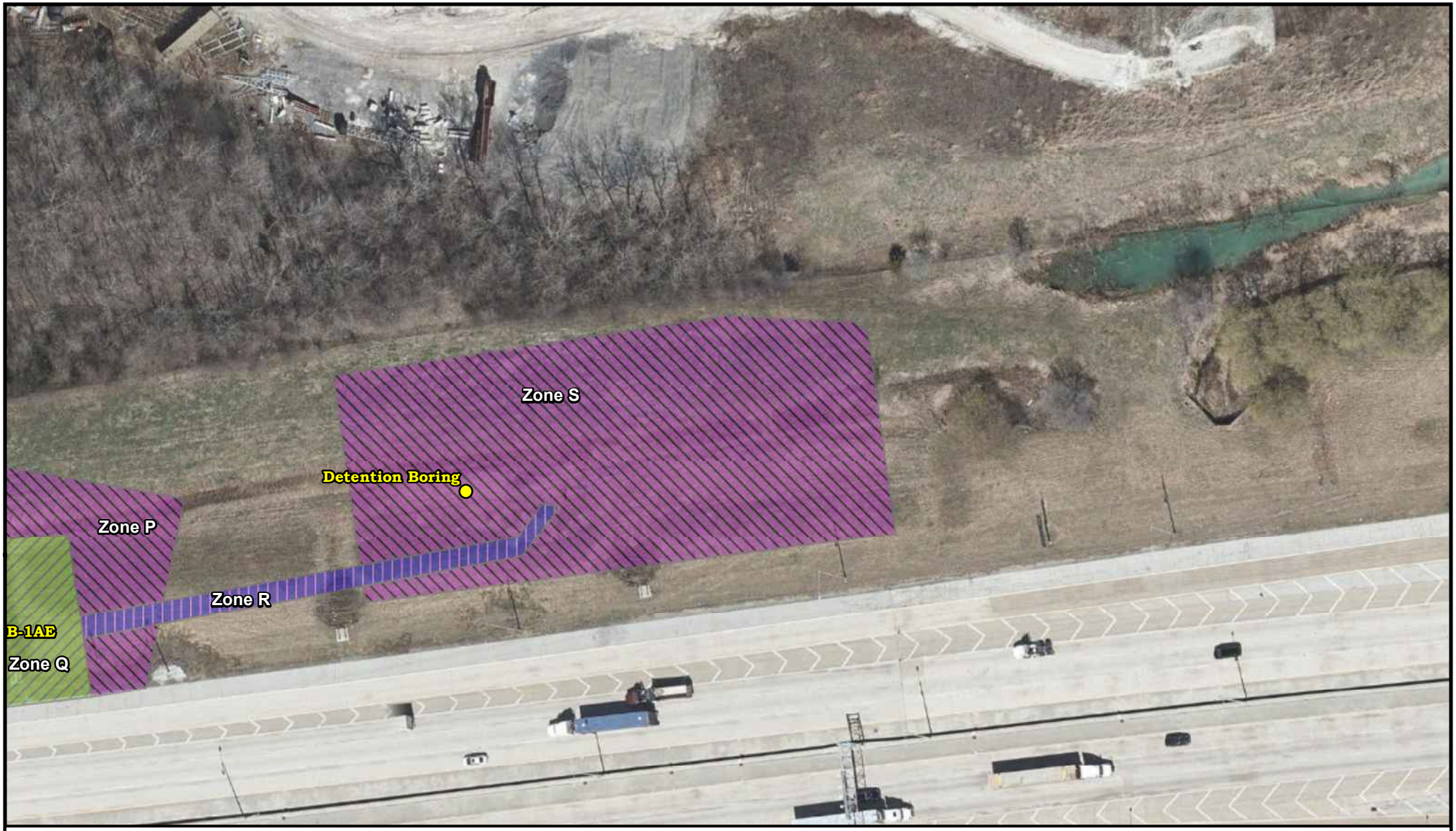

0 100 200
Feet

N
W E
S

Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

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Figure 5C
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 3 of 4

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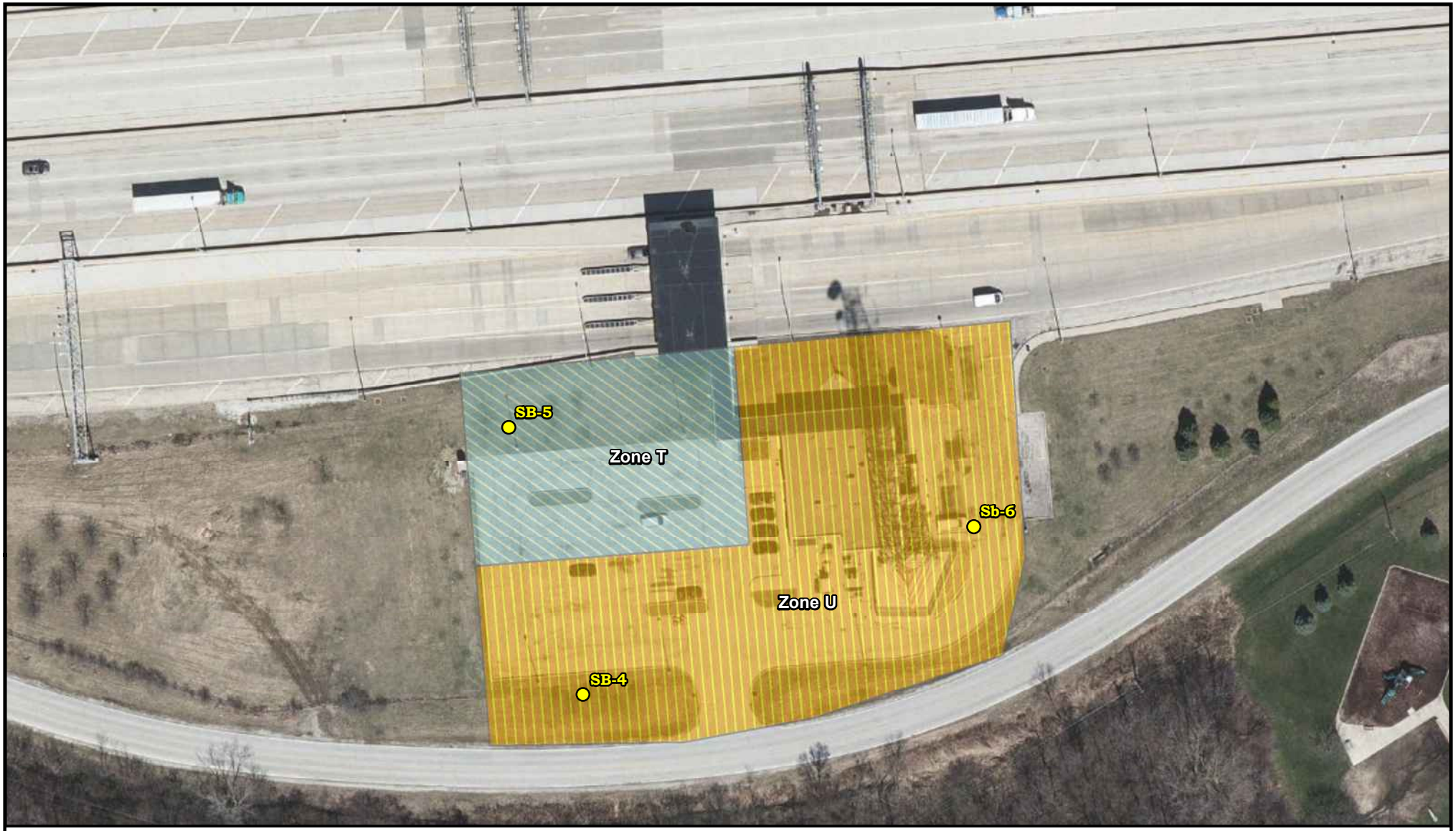

Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

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Figure 5D
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 4 of 4

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APPENDIX C

Huff & Huff Phase II ESA Soil Classification Tables

feet), (0.03 mg/L) at SB-1BW-N (10 to 12 feet), (0.01 mg/L) at SB-1BE-N (10 to 11 feet), (0.041 mg/L) at SB-1BN (13 to 14 feet), and (0.031 mg/L) at SB-1BW2 (14 to 16 feet) were above the MAC value of 0.005 mg/L.

- Lead (0.051 mg/L) at SB-1A (12 to 15 feet), (15.2 mg/L) at SB-1B (12 to 15 feet), (3.04 mg/L) at SB-1BE (10 to 12 feet), (6.94 mg/L) at SB-1BE (15 to 17 feet), (15.9 mg/L) at SB-1BE (17 to 20 feet), (4.58 mg/L) at SB-1BE (20 to 21 feet), (1.06 mg/L) at SB-1BE2 (11 to 13 feet), (1.37 mg/L) at SB-1BE2 (15 to 17 feet), (14.6 mg/L) at SB-1BE2 (17 to 20 feet), (19.7 mg/L) at SB-1BE2 (22 to 25 feet), (2.35 mg/L) at SB-1BE3 (13 to 15 feet), (16.1 mg/L) at SB-1BW (16 to 18 feet), (2.7 mg/L) at SB-1BNE (10 to 12 feet), (8.74 mg/L) at SB-1BNE (17 to 20 feet), (0.081 mg/L) at SB-1BNE (23 to 25 feet), (0.164 mg/L) at SB-RWB-07 (17 to 18 feet), (0.604 mg/L) at SB-1BN (13 to 14 feet), (0.745 mg/L) at SB-1BW2 (14 to 16 feet), (0.051 mg/L) at SB-1BW-S (15 to 17 feet), (0.202 mg/L) at SB-1BW-N (10 to 12 feet), (0.026 mg/L) at HA-1BN (10 to 11 feet), (0.01 mg/L) at SB-1BE-N (10 to 11 feet), (0.03 mg/L) at SB-1BE2-N (7 to 10 feet), and (0.01 mg/L) at SB-1A-N (5 to 7 feet) were above the MAC value of 0.0075 mg/L.
- Lead (15.2 mg/L) at SB-1B (12 to 15 feet), (6.94 mg/L) at SB-1BE (15 to 17 feet) (15.9 mg/L) at SB-1BE (17 to 20 feet), (14.6 mg/L) at SB-1BE2 (17 to 20 feet), (19.7 mg/L) at SB-1BE2 (22 to 25 feet), (16.1 mg/L) at SB-1BW (16 to 18 feet), and (8.74 mg/L) at SB-1BNE (17 to 20 feet), exceed the threshold (5 mg/L) at which the soil is considered to exhibit characteristics of a hazardous waste. The threshold exceedances are associated with the Silt Fill material.

Based on the leachable lead levels within the Silt Fill material, each location containing Silt Fill is considered to represent soils with characteristics of hazardous waste. **Figure 4** depicts the area containing Silt Fill identified during the sampling events. The following table summarizes the ISTHA Soil Types as defined in the Illinois Tollway Special Provision for Disposal of Regulated Substances and Uncontaminated Soil, dated October 18,2019. The table also identifies soil exclusion zones based on comparison to the MACs. **Figures 5A through 5D** depict the ISTHA Soil Types and associated depths of the classifications.

Table ES-2 – Soil Disposal Description Summary

Soil Boring ID	Zone (Figure 5)	Soil Sample ID	Soil Classification	Parameter(s) Exceeding MAC(s)	Elevation Limits for Eligible for CCDD or USFO Disposal?	Soil Disposal Classification (Max Excavation Depth) [1]
SB-3	Zone A	SB-3 (1-3)	Type 4 Soil	None	GS to 666: Yes	GS to 666: CCDD (Unrestricted)
					Below 666: No	Below 666: **Non-Special Waste (Landfill)**
SB-2	Zone B	SB-2 (1-3)	Type 4 Soil	None	GS to 670: Yes	GS to 670: CCDD (Unrestricted)
					Below 670: No	Below 670: **Non-Special Waste (Landfill)**
DPB-02	Zone C	DPB-02 (5-7)	Type 4 Soil	None	GS to 678	GS to 678: CCDD (Unrestricted)
SB-1E	Zone C	SB-1E (10-12)	Type 4 Soil	None	GS to 678	GS to 678: CCDD (Unrestricted)
SB-1BNW	Zone D	Fill Material Not Noted	Type 4 Soil	None	GS to 680: Yes	GS to 680: CCDD (Unrestricted)
		Noted Fill Material	Type 1 Soil	None	Below 680: No	Below 680: **Non-Special Waste (Landfill) (Construction Worker Caution)**
SB-1BW2	Zone D	Fill Material Not Noted	Type 4 Soil	None	GS to 680: Yes	GS to 680: CCDD (Unrestricted)
		SB-1BW2 (13-14)	Type 1 Soil	Arsenic	Below 680: No	Below 680': **Non-Special Waste (Landfill) (Construction Worker Caution)**
		SB-1BW2 (14-16)	Type 1 Soil	Arsenic, Lead		
		SB-1BW2 (16-17)	Type 1 Soil	Arsenic		

Table ES-2 (Continued)– Soil Disposal Description Summary						
SB-1C	Zone D	SB-1C (5-7)	Type 4 Soil	None	GS to 680: Yes	GS to 680: CCDD (Unrestricted)
		SB-1C (12-15)	Type 4 Soil	None	Below 680: No	Below 680: **Non-Special Waste (Landfill) (Construction Worker Caution)**
SB-1D	Zone D	SB-1D (5-7)	Type 4 Soil	None	GS to 680: Yes	GS to 680: CCDD (Unrestricted)
		SB-1D (12-15)	Type 4 Soil	None		
		SB-1D (17-20)	Type 1 Soil	Mercury	Below 680: No	Below 680: **Non-Special Waste (Landfill) (Construction Worker Caution)**
		SB-1D (25-27)	Type 1 Soil	Arsenic		
SB-RWB-07SW	Zone E	Fill Material Not Noted	Type 4 Soil	None	GS to 680	GS to 680: CCDD (Unrestricted)
SB-1BW-S	Zone E	SB-1BW-S (15-17')	Type 4 Soil	None	GS to 680	GS to 680: CCDD (Unrestricted)
HA-1BN	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		HA-1BN (15-17)	Type 1 Soil	Lead	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BW-N	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		SB-1BW-N (10-12)	Type 1 Soil	Arsenic, Chromium Lead	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BE-N	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		SB-1BE-N (10-11)	Type 1 Soil	Arsenic, Lead, Selenium	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BE-N2	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		Fill Material Not Noted	Type 1 Soil	None	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BE2-N	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		SB-1BE2-N (7-10)	Type 1 Soil	Lead	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BE2-N2	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		Fill Material Not Noted	Type 1 Soil	None	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BE3-N	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		SB-1BE3-N (7-10)	Type 1 Soil	None	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BE3-N2	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		Fill Material Not Noted	Type 1 Soil	None	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1A-N	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		SB-1A-N (5-7)	Type 1 Soil	Lead	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1A-N2	Zone O	Fill Material Not Noted	Type 4 Soil	None	GS to 677: Yes	GS to 677: CCDD (Unrestricted)
		Fill Material Not Noted	Type 1 Soil	None	Below 677: No	Below 677: **Non-Special Waste (Landfill)**
SB-1BN	Zone F	SB-1BN (12-13)	Type 4 Soil	None	GS to 679.6: Yes	GS to 679.6: CCDD (Unrestricted)
		SB-1BN (13-14)	Hazardous	Arsenic, Cadmium, Lead, Mercury	Below 679.6: No	Below 679.6: **Hazardous Waste (Construction Worker Caution)**
		SB-1BN (14-15)	Type 4 Soil	None		

Table ES-2 (Continued)– Soil Disposal Description Summary						
SB-1BW	Zone G	Fill Material Not Noted	Type 4 Soil	None	GS to 676.6: Yes	GS to 676.6: CCDD (Unrestricted)
		SB-1BW (16-18')	Hazardous	NA	Below 676.6: No	Below 676.6: **Hazardous Waste (Construction Worker Caution)**
SB-RWB-07	Zone H	Fill Material Not Noted	Type 4 Soil	None	GS to 678.4: Yes	GS to 678.4: CCDD (Unrestricted)
		SB-RWB-07 (17-18')	Hazardous	NA	Below 678.4: No	Below 678.4: **Hazardous Waste (Construction Worker Caution)**
SB-1B	Zone I	SB-1B (1-3)	Type 4 Soil	None	GS to 682.5: Yes	GS to 682.5: CCDD (Unrestricted)
		SB-1B (10-12)	Type 4 Soil	None		
		SB-1B (12-15)	Hazardous	Cadmium, Lead, Selenium, Silver	Below 682.5: No	Below 682.5: **Hazardous Waste (Construction Worker Caution)**
		SB-1B (15-17)	Type 4 Soil	None		
SB-1S	Zone I	Fill Material Not Noted	Type 4 Soil	None	GS to 682.5: Yes	GS to 682.5: CCDD (Unrestricted)
		Fill Material Not Noted	Hazardous	NA	Below 682.5: No	Below 682.5: **Hazardous Waste (Construction Worker Caution)**
SB-1BE	Zone J	SB-1BE (7-10)	Type 4 Soil	None	GS to 684.5: Yes	GS to 684.5: CCDD (Unrestricted)
		SB-1BE (10-12)	Hazardous	Cadmium, Chromium, Lead	Below 684.5: No	Below 684.5: **Hazardous Waste (Construction Worker Caution)**
		SB-1BE (15-17)	Hazardous	Cadmium, Chromium, Lead		
		SB-1BE (17-20)	Hazardous	Cadmium, Chromium, Lead		
		SB-1BE (20-21)	Hazardous	As, Cd, Cr, Pb, Se, Ag		
		SB-1BE (21-22)	Unrestricted [2]	None		
SB-1BNE	Zone K	Fill Material Not Noted	Type 4 Soil	None	GS to 683.1: Yes	GS to 683.1: CCDD (Unrestricted)
		SB-1BNE (10-12)	Hazardous	Chromium, Chromium, Lead, Selenium, Silver	Below 683.1: No	Below 683.1: **Hazardous Waste (Construction Worker Caution)**
		SB-1BNE (17-20)	Hazardous	Chromium, Lead		
		SB-1BNE (23-25)	Type 4 Soil	None		
SB-1BE2	Zone L	Fill Material Not Noted	Type 4 Soil	None	GS to 683.8: Yes	GS to 683.8: CCDD (Unrestricted)
		SB-1BE2 (11-13)	Hazardous	Cadmium, Chromium, Lead, Silver	Below 683.8: No	Below 683.8: **Hazardous Waste (Construction Worker Caution)**
		SB-1BE2 (15-17)	Hazardous	Cadmium, Chromium, Lead, Silver		
		SB-1BE2 (17-20)	Hazardous	Cadmium, Chromium, Lead, Mercury		
		SB-1BE2 (22-25)	Hazardous	Cadmium, Chromium, Lead, Silver		
		SB-1BE2 (26-28)	Type 4 Soil	None		

Table ES-2 (Continued)– Soil Disposal Description Summary						
SB-1BE3	Zone M	SB-1BE3 (1-3)	Type 4 Soil	None	GS to 681.7: Yes	GS to 681.7: CCDD (Unrestricted)
		SB-1BE3 (10-13)	Type 4 Soil	None		
		SB-1BE3 (13-15)	Hazardous	Cadmium, Chromium, Lead	Below 681.7: No	Below 681.7: **Hazardous Waste (Construction Worker Caution)**
		SB-1BE3 (15-17)	Type 4 Soil	None		
SS-1	Zone N/Zone R	SS-1 (10-12)	Type 4 Soil	None	GS to 675	GS to 675: CCDD (Unrestricted)
SS-2	Zone N/Zone R	SS-2 (12-15)	Type 4 Soil	None	GS to 675	GS to 675: CCDD (Unrestricted)
SS-3	Zone N/Zone R	SS-3 (12-15)	Type 4 Soil	None	GS to 675	GS to 675: CCDD (Unrestricted)
Detention Pond	Zone S/Zone P	Detention Pond (1-2)	Type 4 Soil	None	0-2' BGS	GS extending to depths of two feet (Unrestricted)
SB-1A	Zone Q	SB-1A (1-3)	Type 1 Soil	Arsenic	GS to 680: Yes	GS to 686: **Non-Special Waste (Landfill)**
		SB-1A (5-7)	Type 4 Soil	None	Below 680: No	686 to 680: CCDD (Unrestricted)
		SB-1A (12-15)	Type 4 Soil			
SB-1AE	Zone Q	Noted Material	Type 1 Soil	None	GS to 680: Yes	GS to 686: **Non-Special Waste (Landfill)**
		Fill Material Not Noted	Type 4 Soil	None	Below 680: No	Below 686: CCDD (Unrestricted)
SB-5	Zone T	SB-5 (0-1)	Type 2 Soil	PNAs	GS to 695	GS to 695: CCDD (ineligible for disposal outside of a populated area)
SB-4	Zone U	SB-4 (3-5)	Type 4 Soil	None	GS to 695	GS to 695: CCDD (Unrestricted)
SB-6	Zone U	SB-6 (1-3)	Type 4 Soil	None	GS to 695	GS to 695: CCDD (Unrestricted)

[1] Based on maximum excavation depth planned per Contract Plans. To avoid summarizing the full boring depth based on most-restrictive soil classification per sample depths analyzed, multiple options are summarized based on planned excavation depth throughout Project Area.
[2] Soil types corresponding to classifications in the Illinois Tollway Special Provision for Disposal of Regulated Substances and Uncontaminated Soil, dated October 18,2019.

Bold/Shaded **Non-Special or Hazardous Waste**

The LSI subsurface investigation described in this report has been performed in accordance with generally accepted methods and practices of the professional engineering and environmental consulting professions.

APPENDIX D

Huff & Huff LPC-663 Certification

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663
Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Reagan Memorial Tollway (I-88) M8 Access Study Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
Reagan Memorial Tollway (I-88), between Mile Posts (M.P.) 117.4 and 117.9

City: Aurora State: IL Zip Code: 60031

County: Kane Township: Aurora

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.79678 Longitude: - 88.31203
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ◯ Map Interpolation ◯ Photo Interpolation ◯ Survey ◉ Other

Approximate center of Project Area using Google Earth (decimal degrees)

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois State Toll Highway Authority
Street Address: 2700 Ogden Avenue
PO Box: _____
City: Downers Grove State: IL
Zip Code: 60515 Phone: 630-241-6800
Contact: Bryan Wagner Env Policy&Program Mgr
Email, if available: bwagner@getipass.com

Site Operator

Name: _____
Street Address: _____
PO Box: _____
City: _____ State: _____
Zip Code: _____ Phone: _____
Contact: _____
Email, if available: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: Reagan Memorial Tollway (I-88) M8 Access Study Latitude: 41.79678 Longitude: - 88.31203

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

Potentially impacted properties (PIPs) were identified during environmental due diligence. Forty-one (41) soil borings were advanced within the Project Area on May 13, July 13, July 14, July 27, and September 9, 2020. See attached narrative for further details.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

Fifty-seven (57) samples were analyzed for one or more of: VOCs/BTEX/MTBE, SVOCs/PNAs, RCRA metals, PCBs, Pest/Herb, and soil pH. Select borings are within a CCDD Exclusion Area as depicted in the attached figures and NOT included for CCDD disposal, remaining areas are eligible for CCDD disposal. See attached attached narrative for further details.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Jeremy J. Reynolds, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Huff & Huff, Inc., a subsidiary of GZA GeoEnvironmental, Inc.
Street Address:	915 Harger Road, Suite 330
City:	Oak Brook State: IL Zip Code: 60523
Phone:	630-684-9100

Jeremy J. Reynolds, P.G.
Printed Name:

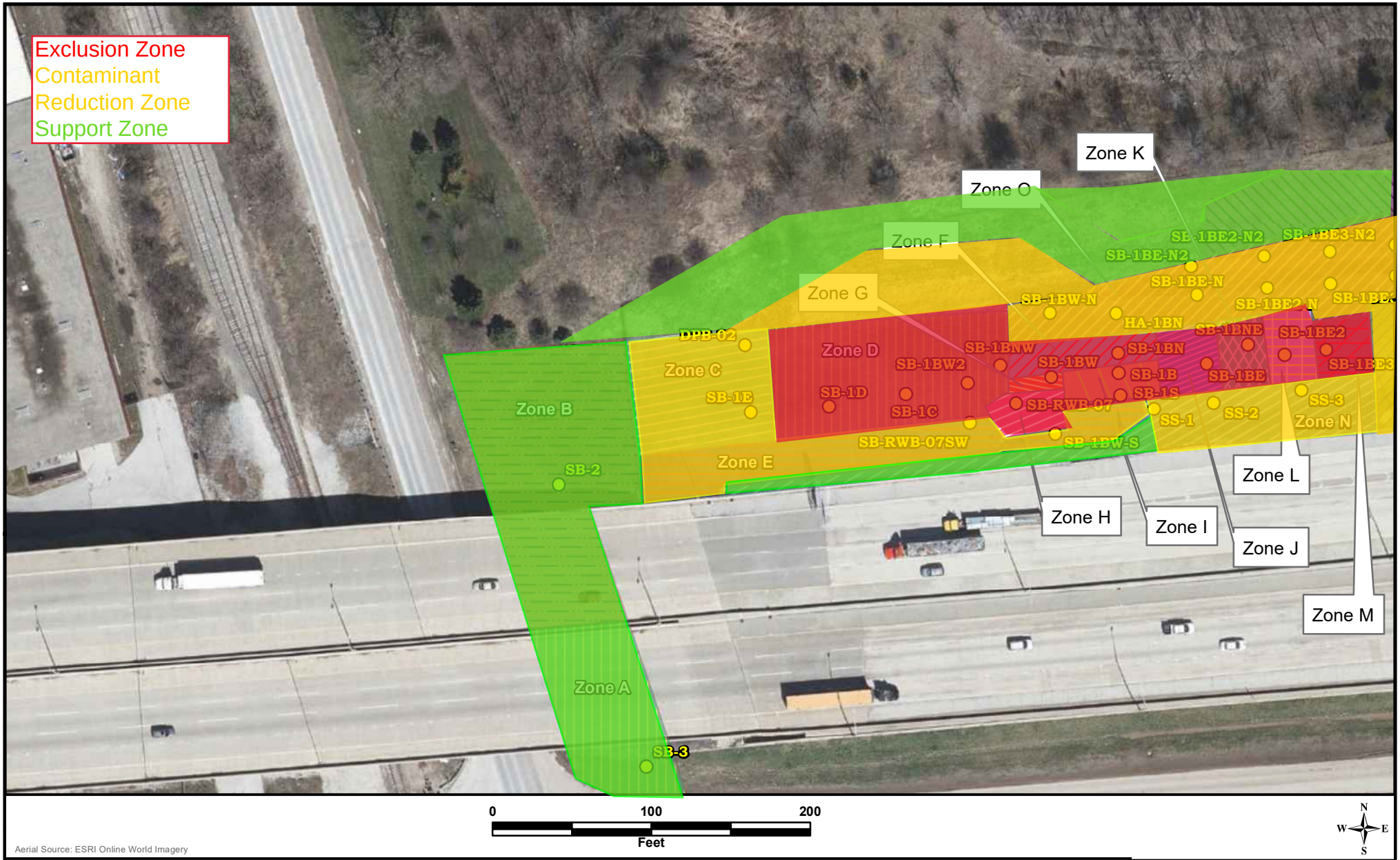
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Dec 9, 2020
Date:

P.E or L.P.G. Seal:

APPENDIX E

Work Zone Maps



Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

Huff & Huff, Inc.

Figure 5A
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 1 of 4

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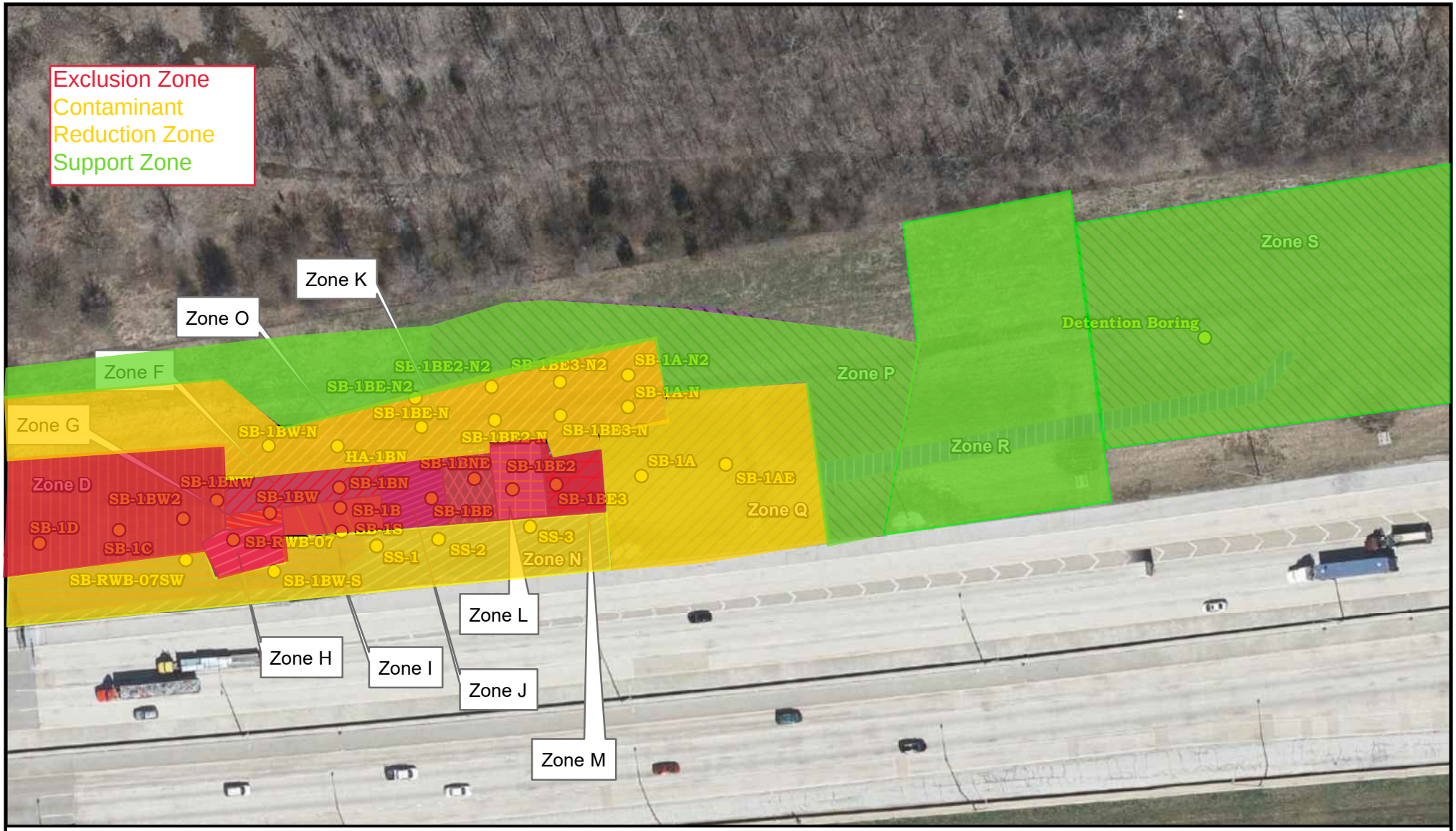

Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

Huff & Huff, Inc.

Figure 5B
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 2 of 4

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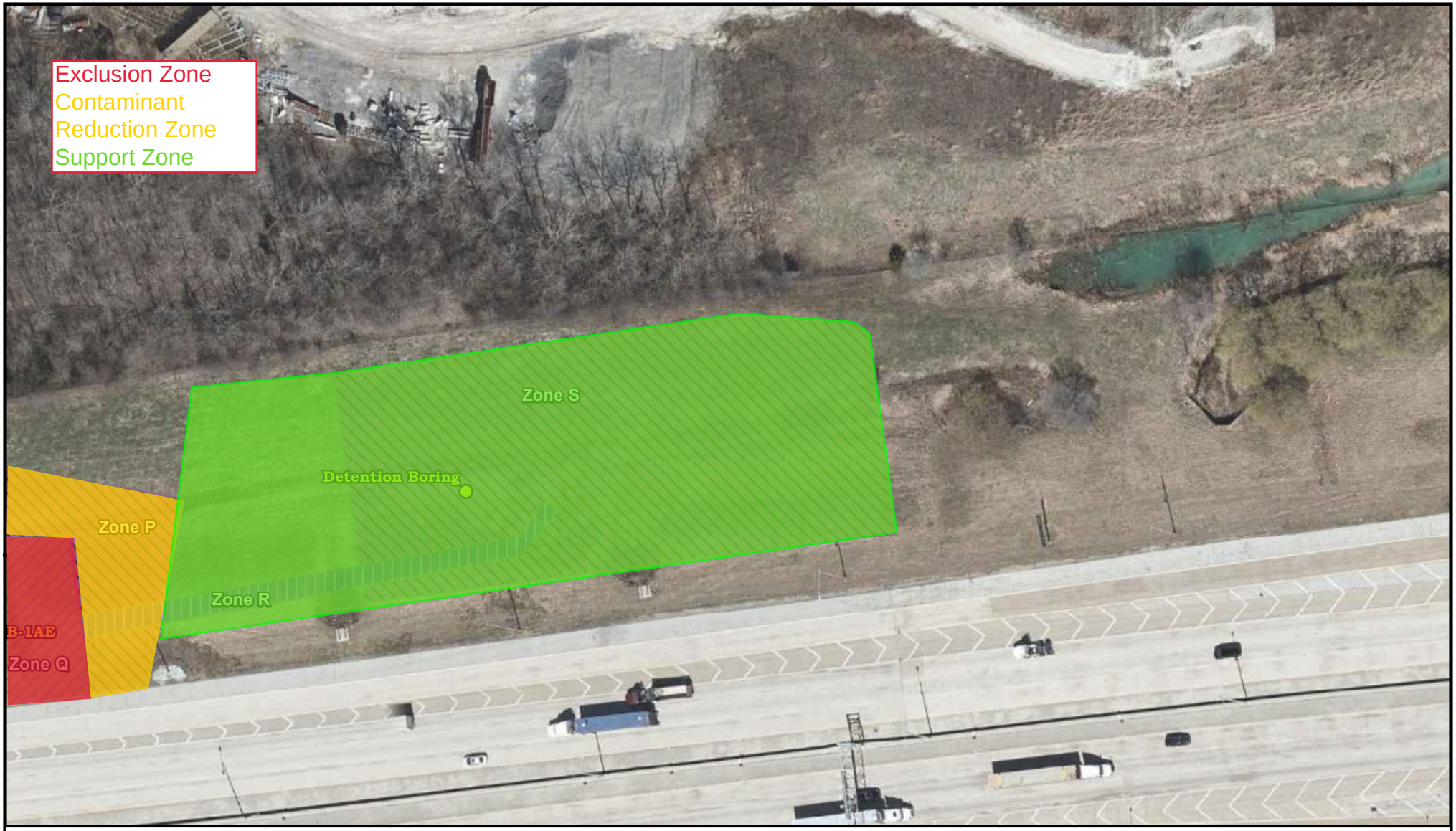

Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

Huff & Huff, Inc.

Figure 5C
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 3 of 4

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Aerial Source: ESRI Online World Imagery

Legend

- Soil Boring
- Type 4 (GS to 679.6), Haz Waste (below 679.6)
- Type 4 (GS to 676.6), Haz Waste (below 676.6)
- Type 4 (GS to 678.4), Haz Waste (below 678.4)
- Type 4 (GS to 682.5), Haz Waste (below 682.5)
- Type 4 (GS to 684.5), Haz Waste (below 684.5)
- Type 4 (GS to 683.1), Haz Waste (below 683.1)
- Type 4 (GS to 683.8), Haz Waste (below 683.8)
- Type 4 (GS to 681.7), Haz Waste (below 681.7)
- Type 1 (GS to 686), Type 4 (680-686)
- Type 2 (GS to 695)
- Type 4 (0-2ft)
- Type 4 (GS to 675)
- Type 4 (GS to 666), Type 1 (below 666)
- Type 4 (GS to 670), Type 1 (below 670)
- Type 4 (GS to 675)
- Type 4 (GS to 677), Type 1 (below 677)
- Type 4 (GS to 678)
- Type 4 (GS to 680)
- Type 4 (GS to 680), Type 1 (below 680)
- Type 4 (GS to 695)

Huff & Huff, Inc.

Figure 5D
Soil Classification and Soil Boring Location
M8 Tollway
North Aurora, Kane County, Illinois
Page 4 of 4

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APPENDIX F

RSHASP Sign Off Sheet

ISTHA RR-20-4544
RSHASP Review & Compliance

The following on-site personnel have been provided a copy of the RSHASP for review and acknowledgement:

Name	Position	Date	Signature