ISMP Notifications/Work Plans (ECSD) and Approvals Summary Sheet			
Submittal	**Date**	**Agency Approval**	**Approval Date**
ISMP Notification/Work Plan - Shotput and Discus Area	11/4/2022	Approved with Contingencies	11/11/2022
ISMP Notification/Work Plan Addendum #1 - Shotput and Discus Area	4/21/2023	Approval as Modified	4/26/2023
ISMP Notification/Work Plan Addendum #2 - Shotput and Discus Area	6/15/2023	Approval as Modified	7/3/2023
ISMP Notification/Work Plan Addendum #7 - Baseball Field Scoreboard	12/9/2022	Approved with Contingencies	12/14/2022
ISMP Notification/Work Plan - Addendum #8 - ECSD Fence Installation	6/2/2023	Approval as Modified	6/14/2023
ISMP Notification/Work Plan - Excavation of Native Soils during NAF Restoration	6/30/2023	Approval as Modified	7/20/2023
ISMP Notification/Work Plan - Augering of Native Soils during NAF Restoration	6/30/2023	Approval as Modified	7/20/2023
ISMP Notification/Work Plan - Softball Field Perimeter Fence Drain Corrective Measures	3/1/2024	Approved	3/13/2024
ISMP/EWP Notification/Work Plan - Batting Cage Installation Augering Activities	3/18/2025	Approved as Modified	3/26/2025

From: McCartney, W Scott <w.scott.mccartney@wsp.com>
Sent: Friday, November 11, 2022 12:20 PM
To: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>; Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@wsp.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole M <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Paul Brookner <PBrookner@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

Andrew:

The Agency has reviewed the ISMP Notification for ECSD Shotput Discus Area dated November 4, 2022 for fence post installation and asphalt removal in the Shotput-Discus Area and is **Approved Contingent Upon:**

1. Approval of this ISMP Work Plan is limited to fence post installation and asphalt removal only and does not include approval for future construction of the Shotput-Discus Area which may be subject to additional ISMP requirements.

2. The Work Plan only addresses the installation of two fence posts; however, all fence post installations within the Shotput-Discus Area shown on Appendix A – Site Improvement Plan are subject to QEP oversight to ensure the proper handling and management of soils where native materials are encountered.

3. Provisions must be in place to prevent impact to the IRM Soil Cover if materials are generated or transported within the completed IRM Soil Cover areas.

4. Removal and restoration within the asphalt removal area must include a minimum 2-foot clean soil cover underlain with a geotextile demarcation layer. The demarcation layer must be appropriately tied into existing soil cover and demarcation and the minimum 2-foot clean soil cover in the asphalt removal area must be documented and confirmed by a NYS licensed surveyor.

5. The excavation in the asphalt removal area is subject to documentation sampling where native soils are encountered. Documentation samples must be collected at a frequency consistent with approved ISMP work plans (i.e., bottom samples one for every 900 square feet and sidewall samples every 30 linear feet; sidewall samples will be required for excavations 6” or greater in

depth). Documentation samples must be completed for full suite parameters (SVOCs, VOCs, PCBs, and Metals) with 25% of samples collected for emerging contaminants.

Please provide a schedule for the work activities and reporting of completion/site restoration.

Thanks,

Scott

From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Friday, November 4, 2022 11:58 AM
To: Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@woodplc.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole M <nicole.bonsteel2@woodplc.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@woodplc.com>; Glowark, Brandon <brandon.glowark@woodplc.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; Whelan, Vincent <vincent.whelan@woodplc.com>; McCartney, W Scott <w.scott.mccartney@woodplc.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Paul Brookner <PBrookner@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Morning Tim,

On behalf of ECSD, attached is an ISMP Notification/Work Plan for installation of fence posts within the Shotput/Discus Area and removal of existing asphalt between the Shotput/Discus area and the South Main Street sidewalk. This work will be performed following decompaction activities and with completion of an Activity Log. Let us know if you have any questions during Agency review.

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com

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Sterling Environmental Engineering, P.C.

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL DISCUS-SHOTPUT AREA
ELMIRA, NEW YORK

Prepared For:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared By:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

November 3, 2022

"Serving our clients and the environment since 1993"

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL DISCUS-SHOTPUT AREA
ELMIRA, NEW YORK

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1.0 INTRODUCTION

Sterling Environmental Engineering, P.C., (STERLING) has prepared this Notification/Work Plan to notify the New York State Department of Environmental Conservation (NYSDEC) of planned ground intrusive work at the Former Sperry Remediation Site in compliance with the provisions of the Interim Site Management Plan (ISMP) as part of the Elmira High School 2020 Stadium Renovations on behalf of the Elmira City School District (ECSD). The improvements for this ISMP notification include fence post installation activities and asphalt removal within the Shotput-Discus Area as part of the Capital Improvement Project by the Elmira City School District (ECSD).

Ground intrusive activities are required to be performed in accordance with the Excavation Work Plan (EWP), Appendix G of the ISMP. The format and content of this Notification/Work Plan is based on the requirement provided in Section G-1 of the EWP.

The ISMP activity that is the subject of this notification consists of the excavation and management of soil during fence post installation and asphalt removal.

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive activity:

1. The installation of two (2) fence posts along the western property boundary will consist of a 12-inch diameter auger to remove soil down to a depth of 5 feet below the final cover system grade (see Appendix A for the fence post locations). The borings may extend deeper than placed demarcation layer and backfill and into uncharacterized native soil. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. Approximately 0.15 CY of soil is estimated for removal for each fence post (i.e., 0.3 CY total). The installation details are provided as Detail 3 on design drawing, Drawing No. L6.4 in Appendix C.

2. Approximately 200 sf (100-feet long by 2-feet wide) of existing asphalt will be removed along the western property line between the South Main Street sidewalk and the IRM 5A2 excavation limits (see Appendix B for the asphalt removal location). Existing asphalt and underlying subbase will be removed to a depth of 6-inches for replacement with topsoil and grass. Approximately , generating 3.7 CY of combined asphalt and subbase material will be removed for disposal.

Soil removed from the fence post borings and cover reconstruction activities will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The fence post installation is located at the edge of the IRM 5A2 excavation limits and is expected to extend deeper than the remediation excavation depth and into native material. The asphalt removal will occur outside the western limit of the IRM 5A2 excavation and will not remove native soil. Appendix C contains IRM 5A2 completion maps showing the current environmental condition. All soil and removed material (e.g., asphalt and subbase) will be transported to the material storage area (MSA) for sampling and/or disposal or reuse in accordance with applicable sections below.

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4.0 WORK SCHEDULE

Construction activities described in this ISMP are scheduled to be initiated as soon as possible following NYSDEC approval and availability of a QEP. The duration of the work is expected to be approximately 2 days.

5.0 APPLICABLE COMPONENTS OF EWP

The following is a list of the sections of the EWP addressed in this notification and the party responsible for each work item.

Applicable	EWP Section	Description of Work	Responsibility
X	G-1	Notification to the NYSDEC	ECSD
X	G-2	Roles and Responsibilities	ECSD
X	G-3	Soil Screening Methods	ECSD and Geosyntec
X	G-4	Soil Staging Methods	Geosyntec
X	G-5	Materials Excavation and Load-Out	ECSD and Geosyntec
X	G-6	Materials Transport Off-Site	Geosyntec
X	G-7	Materials Disposal Off-Site	Geosyntec
X	G-8	Materials Reuse On-Site	Geosyntec
NA	G-9	Confirmation Sampling	NA
X	G-10	Fluids Management	Geosyntec
X	G-11	Cover System Restoration	ECSD
X	G-12	Backfill from Off-Site Sources	ECSD
NA	G-13	Stormwater Pollution Prevention	ECSD
X	G-14	Excavation Contingency and Dewatering Plan	ECSD
X	G-15	Community Air Monitoring Plan	ECSD and Geosyntec
NA	G-16	Odor Control Plan	NA
X	G-17	Dust Control Plan	Geosyntec
NA	G-18	Other Nuisances	NA
X	G-19	Access Controls	ECSD

A description of how the proposed work will conform with each applicable section of the EWP is provided in the following sections.

5.1 Notification (EWP G-1)

This Notification/Work Plan constitutes the notification to the NYSDEC required by Section G-1 of the ISMP/EWP for planned ground intrusive activities. Information contained in this notification was obtained primarily from Hunt Engineering (HUNT), engineering consultant for ECSD, and Geosyntec, environmental and engineering consultant for Unisys. The fence post installations, including soil excavation and transport to the designated MSA, will be performed by ECSD's contractor.

5.2 Roles and Responsibilities (EWP G-2)

Per Section G-2 of the ISMP/EWP, a Qualified Environmental Professional (QEP) will be required and responsible for any ISMP-related monitoring and compliance during any ground intrusive or other relevant work performed at the EHS. Geosyntec will provide the following QEPs to perform oversight for ground intrusive or other relevant work associated with the sidewalk installations.

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Ms. Miranda Stelmach
Mstelmach@Geosyntec.com
Cell: 920-676-4194

These QEP's report to Geosyntec's Project Manager, Mr. Aron Krasnopoler. The Geosyntec Project Director is Mr. Paul Brookner. Mr. Brookner and Mr. Krasnopoler can be contacted at:

Mr. Aron Krasnopoler
AKrasnopoler@Geosyntec.com
Cell: 202-550-7724

Mr. Paul Brookner
PBrookner@Geosyntec.com
Cell: 612-599-7473

ECSD will provide a QEP for the work described herein if this ISMP-related work is performed when IRM-related work is not being performed and a Geosyntec QEP is not available, or Geosyntec cannot otherwise provide a QEP. The site contact for ECSD is:

Mr. Joe Magliocca
jmagliocca@elmiracityschools.com
Cell: 607-684-1508

Geosyntec will be responsible for the following work:

- Provide QEP for all monitoring required by the ISMP notification.
- Perform soil screening and monitoring required by the ISMP during ground disturbance.
- Notify the NYSDEC if excavated soil is to be characterized for reuse on site.
- Arrange for and properly manage soil transport and load out for offsite disposal, or for on-site reuse.
- Coordinate with ECSD representatives and contractors to decontaminate equipment.
- Community air monitoring.
- Manage all decontamination wastes.

ECSD and its contractors will be responsible for the following work:

- Remove soil during excavation activities and handle in accordance with the appropriate sections of the ISMP/EWP, as described below.
- Transport of excavated soil to approved storage area.
- Installation of fence posts per engineering drawings and details.
- Removal of existing asphalt and undelaying subbase to a depth of 6-inches below final grade outside of IRM 5A2 limits, and the installation of topsoil.
- Coordinate with Unisys/Geosyntec representatives and contractors to decontaminate equipment.
- Provide a QEP for all monitoring required by the ISMP notification if one is unavailable or not provided by Geosyntec.
- Provide As-Built drawings prepared by an NYS licensed surveyor of the excavation and extent of demarcation at the completion of the work.

5.3 Soil Screening Methods (EWP G-3)

Soil screening of all soil removed during post installations will be performed by the QEP and as described in, and as required by, Section G-3 of the ISMP/EWP.

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5.4 Soil Staging Methods (EWP G-4)

Augured soil will be stockpiled as described in, and as required by, Section G-4 of the ISMP/EWP and in conjunction with work in progress for ongoing IRMs. The soil from the installation of the posts will be augured, collected, and transported by the ECSD contractor to an approved material storage area (MSA) where the material will be stockpiled and managed by Geosyntec and the Unisys remediation contractor with other soil generated by on-going IRMs. Spoils from all post locations will be collected by placing a geofabric or poly sheeting surrounding each location with a hole cut in the center to allow the augur to advance. Spoils will be collected on the geofabric or poly sheeting, and the ESCD contractor will hand shovel collected spoils into a lined truck for immediate transport to the designated MSA for management by Geosyntec and the Unisys remediation. Augured soil from post locations extending into uncharacterized soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs and will be managed as impacted soil.

Excavated materials associated with the asphalt area will be excavated, collected, and transported by the ECSD contractor to an approved MSA where the material will be stockpiled and managed by Geosyntec and the Unisys remediation contractor with other material generated by on-going IRMs. Materials will be collected by placing a geofabric or poly sheeting surrounding the excavation location for collection of any spillage of excavated materials. Materials will be placed from the excavation into a lined haul truck from a designated wheel loader for immediate transport to the designated MSA for management by Geosyntec and the Unisys remediation contractor.

CAMP monitoring will be performed during ground intrusive activities by the QEP. CAMP monitoring also will be performed in the soil stockpile area in accordance with IRM requirements, as described in Section 5.15.

5.5 Materials Excavation and Load-Out (EWP G-5)

Load-out of augured soil and excavated materials will be performed by the ECSD contractor, and as described in, and as required by, Section G-5 of the ISMP/EWP. Trucks will be loaded on geotextile and decontaminated by dry methods to ensure no loose soil remains on the truck tires or sides. Loaded trucks will be tarped and then used to relocate the material to the designated approved MSA by traveling along South Main Street. Geosyntec and the Unisys remedial contractor will be responsible for load-out if soil is to be disposed off-site.

5.6 Material Transport Off-Site (EWP G-6)

Transportation of the augured soil and excavated materials will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. Geosyntec or the Unisys remediation contractor will arrange for transportation of the augured soil and excavated materials to be disposed off-site in conjunction with transportation and disposal associated with the ongoing IRMs.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of augured soil from the post installation and materials from the asphalt excavation. Augured soil from post locations extending into uncharacterized soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs. All material will be stockpiled in an approved designated MSA for management by Geosyntec and its remediation contractor with other generated materials by the ongoing IRM, including any required sampling and characterization required by the selected, permitted landfill. The likely landfill for disposal is Hyland Landfill in Ontario, NY, operated by Casella Waste Systems.

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5.8 Material Reuse On-Site (EWP G-8)

If on-site reuse of augured soils is contemplated, the NYSDEC will be informed and laboratory analyses will be performed to determine whether the soil meets the criteria for reuse on-site, either within a soil cover system, or as fill material below a soil cover system, in accordance with Section G-8 of the ISMP/EWP. Soil quality would need to meet the requirements in NYSDEC DER-10 Appendix 5 to be reused. The number and type of soil samples would be in accordance with Section G-8 of the ISMP/EWP. A Request to Import/Reuse Fill or Soil form would be submitted to the NYSDEC by Geosyntec for approval if reuse of the soil onsite is supported by the laboratory analytical data.

5.9 Confirmation Sampling (EWP G-9)

Confirmation sampling will not be performed during the post installation activities because the nature of the work does not allow collection of native soil from the completed boreholes. Confirmation sampling will not be performed for the asphalt removal because the work is outside of the remediation limits and will not extend into native soil.

5.10 Fluids Management (EWP G-10)

Following auguring at each location, loose soil is to be dry-brushed from the auger onto the placed geofabric or poly sheeting to prevent cross-contamination. If needed, the auger will be wrapped in poly sheeting while in transit between boring locations to prevent residual soil from contacting the ground surface.

Fluids management will be performed as described in, and as required by, Section G-10 of the ISMP/EWP. Fluids associated with the proposed work will consist of water to decontaminate construction equipment that contacts potentially contaminated soil. Equipment that contacts potentially contaminated soil will be decontaminated by the Unisys remediation contractor before being used elsewhere on-site, or before leaving the site. Decontamination procedures will consist of first removing all loose soil followed by power washing at an existing approved decontamination pad being used for the ongoing IRM. More aggressive decontamination may be needed if unanticipated gross contamination is encountered. Geosyntec and the Unisys remediation contractor will manage decontamination wastes with decontamination wastes generated from the ongoing IRM.

Haul trucks transporting excavated soils from ISMP activities to the designated IRM5A2 MSA will be decontaminated on pre-approved decontamination areas prior to exiting the IRM5A2 work area. No wet decontamination will occur outside of active IRM work areas.

5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in accordance with the details shown on Drawing L6.4, provided in Appendix D, and in compliance with Section G-11 of the ISMP/EWP. The cover system for this activity will consist of poured concrete for the full augured depth of the post foundation.

A demarcation layer is required as described in Section G-11 of the Excavation Work Plan “to provide a visual reference to the top of the remaining contamination zone”. The installation of a demarcation layer is not feasible within the post borings and the poured concrete will serve as demarcation to the top of the remaining contamination zone for specific post locations extending into uncharacterized soil.

As-built documentation from a NYS licensed surveyor will be provided for all restored Engineering Controls, per Section G-11 of the EWP.

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5.12 Backfill from Off-Site Sources (EWP G-12)

The detail shown on Drawing L6.4, provided in Appendix D, indicates that the augured post borings will be backfilled with concrete surrounding a sleeve to hold the posts in place. No imported backfill is required to install the posts.

The excavated asphalt area will be backfilled with topsoil to match surrounding grades.

5.13 Stormwater Pollution Prevention (EWP G-13)

A Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) has been submitted to the NYSDEC Division of Water (DOW) for the FFC project by ECSD. No changes have been made to the SWPPP.

5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during soil excavation, or if groundwater is encountered and ponds within the excavation, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. If CAMP monitoring is performed when IRM-related work is not being performed and a Geosyntec QEP is not available, or Geosyntec cannot otherwise provide a QEP to perform CAMP monitoring, either for the ISMP work area of the broader IRM work area, ECSD will provide a QEP to perform the CAMP monitoring. Daily CAMP monitoring data will be provided to NYSDEC whether the monitoring is performed by Geosyntec or ECSD.

The auguring activities, post installation activities, backfilling, and cover restoration have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent the work zone. The following controls will be implemented, as applicable, for community protection:

- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that excavating or soil load-out occurs.

CAMP monitoring equipment will be placed in the vicinity of the active work area to monitor particulate concentration (see locations provided in Appendix A). Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

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5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to reduce or eliminate dust or airborne particulates during ground intrusive activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

The work area will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures will include temporary fencing around the work zone to prevent access to the work zone by unauthorized personnel.

6.0 HEALTH AND SAFETY

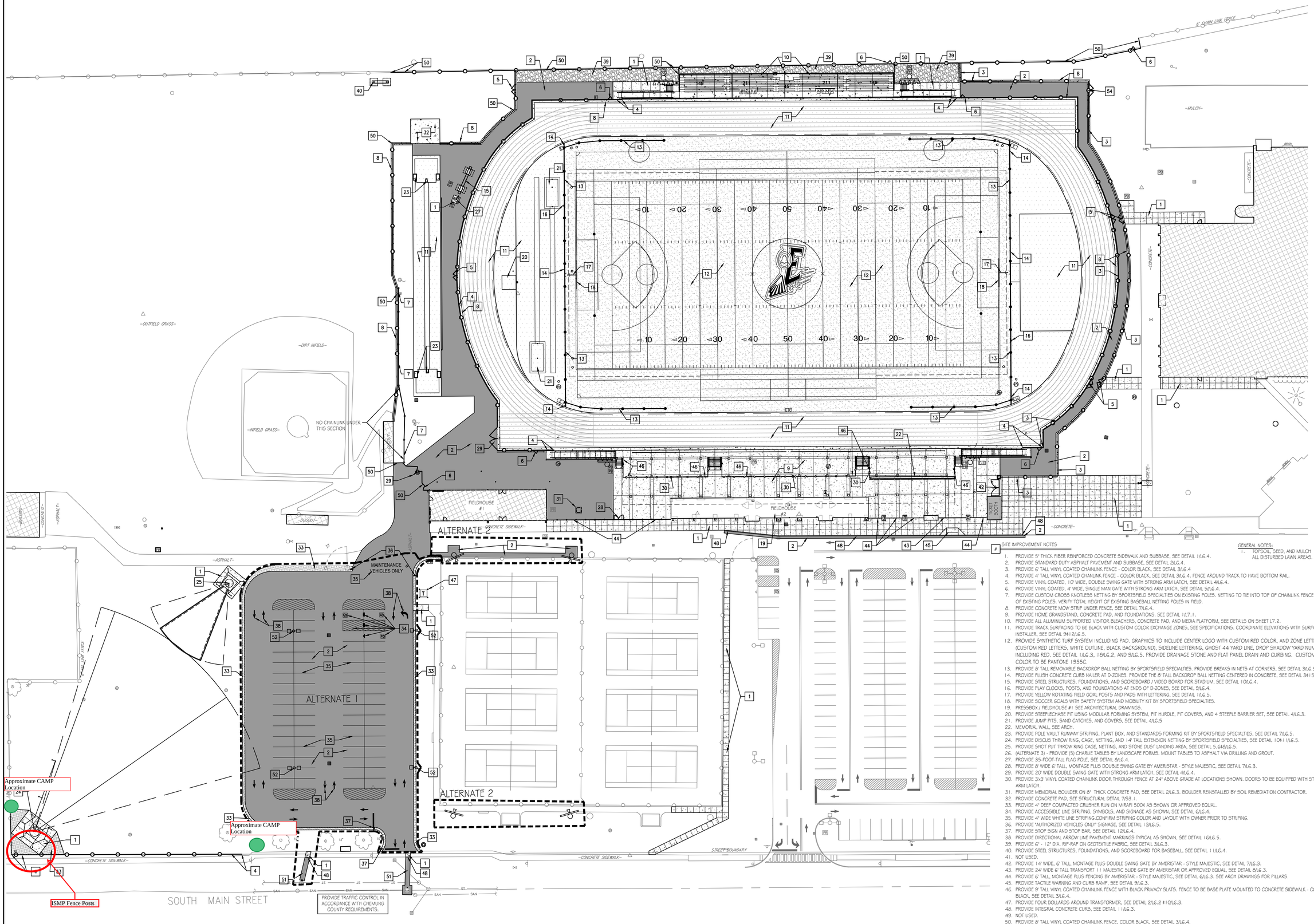
The work will be performed in compliance with the ISMP/EWP and 29 CFR (Code of Federal Regulations) 1910.120. Contractor personnel will be required to have 40-hour Hazwoper training. A copy of the contractor's Health and Safety Plan (HASP) will be provided to the NYSDEC in electronic format if it differs from the HASP in Appendix 4 of the ISMP.

S:\Sterling\Projects\2021 Projects\Elmira High School - 2021-01\Reports & Work Plans\ISMP Notifications\Discus Area\2022-11-03 Fence Posts & Asphalt\2022-11-03_ECSD Discus-Shotput ISMP.docx

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APPENDIX A

FENCE POST INSTALLATION LOCATION



1 SITE IMPROVEMENT PLAN

SCALE: 1"=30'

SITE IMPROVEMENT NOTES

1. PROVIDE 5' THICK FIBER REINFORCED CONCRETE SIDEWALK AND SUBBASE, SEE DETAIL 1/L6.4.
2. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 2/L6.4.
3. PROVIDE 6' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4
4. PROVIDE 4' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4. FENCE AROUND TRACK TO HAVE BOTTOM RAIL.
5. PROVIDE VINYL COATED, 10' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
6. PROVIDE VINYL COATED, 4' WIDE, SINGLE MAN GATE WITH STRONG ARM LATCH, SEE DETAIL 5/L6.4.
7. PROVIDE CUSTOM CROSS KNOTLESS NETTING BY SPORTSFIELD SPECIALTIES ON EXISTING POLES. NETTING TO TIE INTO TOP OF CHAINLINK FENCE TO TOP OF EXISTING POLES. VERIFY TOTAL HEIGHT OF EXISTING BASEBALL NETTING POLES IN FIELD.
8. PROVIDE CONCRETE MOW STRIP UNDER FENCE, SEE DETAIL 7/L6.4.
9. PROVIDE HOME GRANDSTAND, CONCRETE PAD, AND FOUNDATIONS. SEE DETAIL 1/L7.1.
10. PROVIDE ALL ALUMINUM SUPPORTED VISITOR BLEACHERS, CONCRETE PAD, AND MEDIA PLATFORM, SEE DETAILS ON SHEET L7.2.
11. PROVIDE TRACK SURFACING TO BE BLACK WITH CUSTOM COLOR EXCHANGE ZONES, SEE SPECIFICATIONS. COORDINATE ELEVATIONS WITH SURFACING INSTALLER. SEE DETAIL 9+12/L6.5.
12. PROVIDE SYNTHETIC TURF SYSTEM INCLUDING PAD. GRAPHICS TO INCLUDE CENTER LOGO WITH CUSTOM RED COLOR, AND ZONE LETTERING, (CUSTOM RED LETTERS, WHITE OUTLINE, BLACK BACKGROUND), SIDELINE LETTERING, GHOST 44 YARD LINE, DROP SHADOW YARD NUMBERS INCLUDING RED. SEE DETAIL 1/L6.3, 18/L6.2, AND 9/L6.5. PROVIDE DRAINAGE STONE AND FLAT PANEL DRAIN AND CURBING. CUSTOM RED COLOR TO BE PANTONE 1955C.
13. PROVIDE 8' TALL REMOVABLE BACKDROP BALL NETTING BY SPORTSFIELD SPECIALTIES. PROVIDE BREAKS IN NETS AT CORNERS, SEE DETAIL 3/L6.5.
14. PROVIDE FLUSH CONCRETE CURB NAILER AT D-ZONES. PROVIDE THE 8' TALL BACKDROP BALL NETTING CENTERED IN CONCRETE, SEE DETAIL 3+15/L6.5.
15. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD / VIDEO BOARD FOR STADIUM, SEE DETAIL 10/L6.4.
16. PROVIDE PLAY CLOCKS, POSTS, AND FOUNDATIONS AT ENDS OF D-ZONES, SEE DETAIL 9/L6.4.
17. PROVIDE YELLOW ROTATING FIELD GOAL POSTS AND PADS WITH LETTERING. SEE DETAIL 1/L6.5.
18. PROVIDE SOCCER GOALS WITH SAFETY SYSTEM AND MOBILITY KIT BY SPORTSFIELD SPECIALTIES.
19. PRESSBOX / FIELDHOUSE #1 SEE ARCHITECTURAL DRAWINGS.
20. PROVIDE STEEPLECHASE PIT USING MODULAR FORMING SYSTEM, PIT HURDLE, PIT COVERS, AND 4 STEEPLE BARRIER SET, SEE DETAIL 4/L6.3.
21. PROVIDE JUMP PITS, SAND CATCHES, AND COVERS, SEE DETAIL 4/L6.5
22. MEMORIAL WALL SEE ARCH.
23. PROVIDE POLE VAULT RUNWAY STRIPING, PLANT BOX, AND STANDARDS FORMING KIT BY SPORTSFIELD SPECIALTIES, SEE DETAIL 7/L6.5.
24. PROVIDE DISCUS THROW RING, CAGE, NETTING, AND 14' TALL EXTENSION NETTING BY SPORTSFIELD SPECIALTIES, SEE DETAIL 10+11/L6.5.
25. PROVIDE SHOT PUT THROW RING CAGE, NETTING, AND STONE DUST LANDING AREA, SEE DETAIL 5,6+8/L6.5.
26. (ALTERNATE 3) - PROVIDE (5) CHARLIE TABLES BY LANDSCAPE FORMS. MOUNT TABLES TO ASPHALT VIA DRILLING AND GROUT.
27. PROVIDE 35-FOOT-TALL FLAG POLE, SEE DETAIL 6/L6.4
28. PROVIDE 8' WIDE 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
29. PROVIDE 20' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
30. PROVIDE 3'x3' VINYL COATED CHAINLINK DOOR THROUGH FENCE AT 24' ABOVE GRADE AT LOCATIONS SHOWN. DOORS TO BE EQUIPPED WITH STRONG ARM LATCH.
31. PROVIDE MEMORIAL BOULDER ON 8" THICK CONCRETE PAD, SEE DETAIL 2/L6.3. BOULDER REINSTALLED BY SOIL REMEDIATION CONTRACTOR.
32. PROVIDE CONCRETE PAD, SEE STRUCTURAL DETAIL 7/S3.1.
33. PROVIDE 4" DEEP COMPACTED CRUSHER RUN ON MIRAFI 500X AS SHOWN OR APPROVED EQUAL.
34. PROVIDE ACCESSIBLE LINE STRIPING, SYMBOLS, AND SIGNAGE AS SHOWN, SEE DETAIL 6/L6.4.
35. PROVIDE 4" WIDE WHITE LINE STRIPING.CONFIRM STRIPING COLOR AND LAYOUT WITH OWNER PRIOR TO STRIPING.
36. PROVIDE "AUTHORIZED VEHICLES ONLY" SIGNAGE, SEE DETAIL 13/L6.5.
37. PROVIDE STOP SIGN AND STOP BAR, SEE DETAIL 12/L6.4.
38. PROVIDE DIRECTIONAL ARROW LINE PAVEMENT MARKINGS TYPICAL AS SHOWN, SEE DETAIL 1 6/L6.5.
39. PROVIDE 6' - 12" DIA. RIP-RAP ON GEOTEXTILE FABRIC, SEE DETAIL 3/L6.3.
40. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD FOR BASEBALL, SEE DETAIL 1 1/L6.4.
41. NOT USED.
42. PROVIDE 14' WIDE, 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
43. PROVIDE 24' WIDE 6' TALL TRANSPORT 11 MAJESTIC SLIDE GATE BY AMERISTAR OR APPROVED EQUAL, SEE DETAIL 8/L6.3.
44. PROVIDE 6' TALL, MONTAGE PLUS FENCING BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 6/L6.3. SEE ARCH DRAWINGS FOR PILLARS.
45. PROVIDE TACTILE WARNING AND CURB RAMP, SEE DETAIL 9/L6.3.
46. PROVIDE 9' TALL VINYL COATED CHAINLINK FENCE WITH BLACK PRIVACY SLATS. FENCE TO BE BASE PLATE MOUNTED TO CONCRETE SIDEWALK - COLOR BLACK, SEE DETAIL 3/L6.4.
47. PROVIDE FOUR BOLLARDS AROUND TRANSFORMER, SEE DETAIL 2/L6.2 #10/L6.3.
48. PROVIDE INTEGRAL CONCRETE CURB, SEE DETAIL 11/L6.3.
49. NOT USED.
50. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE, COLOR BLACK, SEE DETAIL 3/L6.4.
51. PROVIDE ASPHALT PAVEMENT AND SUBBASE TO MATCH WHAT IS IN STREET SECTION.
52. PROVIDE LIGHT POLES, FIXTURES, AND POLE BASES. SEE ELECTRICAL PLANS, SEE DETAIL 2/L6.2.
53. NOT USED
54. PROVIDE VINYL COATED, 12' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH. SEE DETAIL 4/L6.4.

GENERAL NOTES:

1. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

DRAWN BY :	SSV
CHECKED BY :	LG
DATE :	6/30/2020
SCALE :	AS NOTED

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	
2	12/29/2020	REISSUED FOR BID	
3			
4			
5			
6			
7			
8			

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SITE IMPROVEMENT PLAN

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS

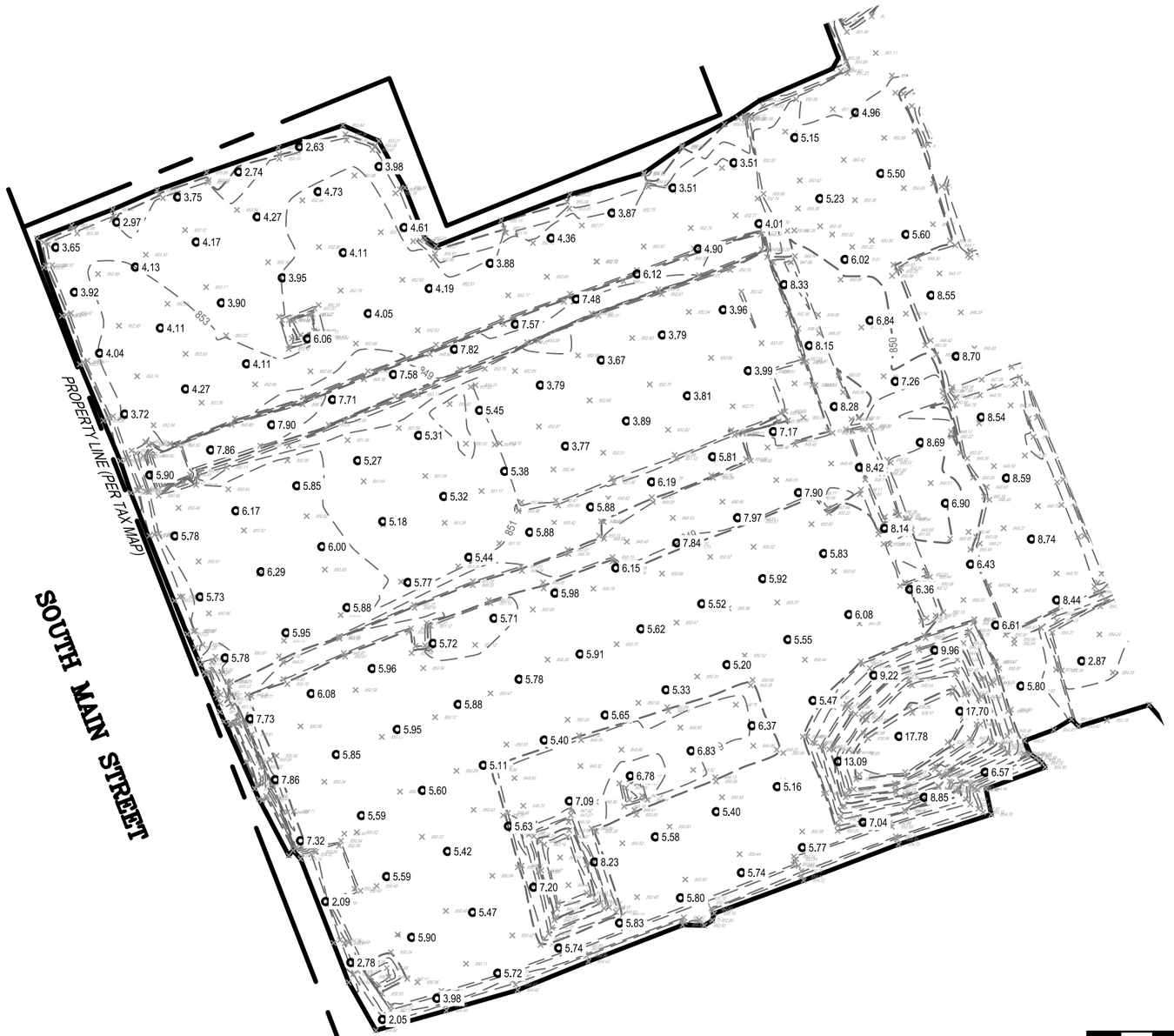
ELMIRA CITY SCHOOL DISTRICT

777 SOUTH MAIN STREET, ELMIRA, NY 14904

L2.1

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE #1 SED # 07-06-00-01-0-044-005 / FIELDHOUSE #2 SED # 07-06-00-01-7-079-001 / PRESSBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-079-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-081-001



LEGEND:

- CONCRETE MONUMENT
- EXISTING IRON PIN
- EXISTING IRON PIPE
- 5/8" REBAR WITH SURVEY CAP SET
- MANHOLE
- CATCH BASIN
- WATER OR GAS VALVE
- UTILITY POLE
- UTILITY POLE W/STREET LIGHT
- UTILITY POLE ANCHOR
- FIRE HYDRANT
- STREET SIGN
- BURIED CABLE MARKER
- SURVEY CONTROL POINT
- FENCE LINE
- CONTOUR LINE
- × 849.31 NAVD88 GROUND ELEVATION IN FEET
- 3.09 FILL DEPTH SPOT LOCATIONS

GRID NORTH
N
STATE PLANE, NYC

NOTES:

– SUB GRADE SURFACE REFLECTS FIELD LOCATIONS MADE 11–4, 11–10, 11–17 & 12–10 2021 AND 3–4, 3–28, 4–5, 6–14, 6–22, 7–1, 7–19, 8–5, 8–22, 9–2, 9–8 & 9–26 2022

– FILL DEPTH SPOT LOCATIONS WERE DERIVED FROM THE COMPARISON OF 3D SURFACES. SUB GRADE 3D SURFACE WAS CREATED FROM SURVEY MEASUREMENTS TAKEN WHEN EXCAVATION WAS AT FULL DEPTH AND PROPOSED FINISHED GRADE 3D SURFACE WAS PROVIDED. THE SUBSEQUENT COMPARISON OF THESE TWO 3D SURFACES RESULTS IN THE FILL DEPTHS (SOIL COVER) SHOWN.

– PROPOSED FINISHED GRADE SURFACE PROVIDED BY HUNT–EAS SEE BID DOCUMENTS FOR PROJECT NUMBERS 2012–228 & 2012–238.

SCALE: 1" = 50'

0 25 50 100 150

DATE 10-14-2022

HUNT
ENGINEERS • ARCHITECTS • SURVEYORS
AIRPORT CORPORATE PARK, 100 HUNT CENTER
HORSEHEADS, NEW YORK 14845
607•358•1000
FAX•358•1800

SOIL COVER TO FINISHED GRADE

IRM5A2 REMEDIATION AREA

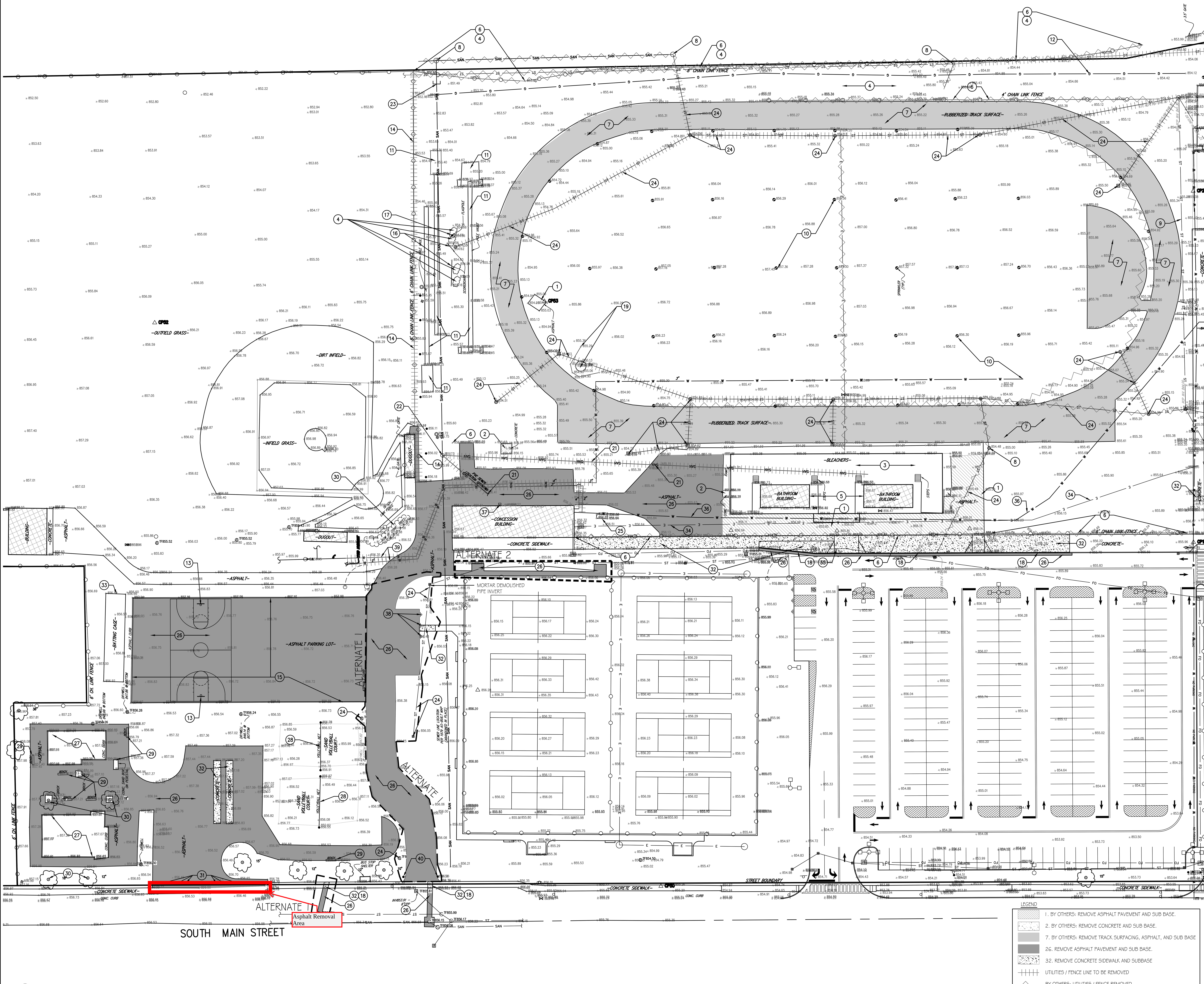
SHOT & DISCUS AREA / PARKING LOT AREA

ELMIRA HIGH SCHOOL

SCALE:	DWG.BY:	CHK.BY:	TAX PARCEL NO:	JOB NO:
1" = 50'	S.D.L.			5659–004

APPENDIX B

ASPHALT REMOVAL AREA



LEGEND

1. BY OTHERS: REMOVE ASPHALT PAVEMENT AND SUB BASE.
2. BY OTHERS: REMOVE CONCRETE AND SUB BASE.
7. BY OTHERS: REMOVE TRACK SURFACING, ASPHALT, AND SUB BASE
26. REMOVE ASPHALT PAVEMENT AND SUB BASE.
32. REMOVE CONCRETE SIDEWALK AND SUBBASE
UTILITIES / FENCE LINE TO BE REMOVED
BY OTHERS: UTILITIES / FENCE REMOVED

1 SITE DEMOLITION PLAN
SCALE: 1"=30'

SITE DEMOLITION NOTES

1. BY OTHERS: REMOVE ASPHALT PAVEMENT AND SUBBASE.
2. BY OTHERS: REMOVE CONCRETE AND SUBBASE.
3. BY OTHERS: REMOVE BLEACHERS / PRESSBOX AND FOUNDATIONS. SED # 07-06-00-7-051-002
4. REMOVE TREES/SHRUBS, STUMPS, AND ROOT FLARES IN THEIR ENTIRETY.
5. BY OTHERS: REMOVE RESTROOMS BUILDINGS AND FOUNDATIONS. SED # 07-06-00-7-070-002.
6. BY OTHERS: REMOVE CHAIN LINK FENCE AND FOUNDATIONS.
7. BY OTHERS: REMOVE TRACK SURFACING, ASPHALT, AND SUB BASE.
8. BY OTHERS: REMOVE STORM/SANITARY STRUCTURE
9. STORM STRUCTURES AND PIPING TO REMAIN.
10. BY OTHERS: REMOVE IRRIGATION SYSTEM AND LOW VOLTAGE WIRING INSIDE TRACK. DISCONNECT SYSTEM CONTROLS AT CONCESSIONS STAND BUILDING AND CAP WATER LINE TO ZONE.
11. BY OTHERS: REMOVE JUMP PITS, RUNWAYS, AND CONCRETE STANDARD'S PADS.
12. BY OTHERS: NYSEG TO DECOMMISSION EXISTING GAS LINE. REMOVE AS REQUIRED FOR SOIL REMOVAL. REMAINING PIPING WILL BE ABANDONED.
13. REMOVE BASKETBALL GOALS AND RELINQUISH TO OWNER.
14. REMOVE CHAIN LINK FENCE AND FOUNDATIONS.
15. REMOVE ASPHALT CURBS.
16. BY OTHERS: REMOVE SCOREBOARD AND FOUNDATIONS
17. REMOVE FLAG POLE AND FOUNDATION.
18. REMOVE INTEGRAL CONCRETE CURBING AS PER NEW CONCRETE SIDEWALK WORK.
19. BY OTHERS: REMOVE DISCUS AND SHOT PUT RINGS AND CAGE.
20. WATERLINE TO BE CAPPED IN BUILDING, SEE MEP.
21. REMOVE SANITARY PIPE.
22. BACKFILL SANITARY MANHOLE WITH GRANULAR FILL COMPACTED IN 6" LIFTS. REMOVE TOP OF MANHOLE AS REQUIRED FOR NEW WORK.
23. CAP SEWER LINE.
24. REMOVE STORM STRUCTURE AND PIPING. CONCRETE MATERIAL DISPOSED OF BY SOIL REMEDIATION CONTRACTOR.
25. REMOVE HOT BOX ENCLOSURE, PAD, AND ABOVE GROUND PIPING.
26. SAWCUT AND REMOVE ASPHALT PAVEMENT AND SUB BASE.
27. REMOVE FORMER PLAYGROUND SURFACING AND CURBING.
28. REMOVE VOLLEY BALL COURTS AND NETS.
29. REMOVE SITE FURNISHING.
30. REMOVE TREES/SHRUBS, STUMPS, AND ROOT FLARES IN THEIR ENTIRETY.
31. REMOVE ALL WHEEL STOPS IN THIS AREA.
32. SAWCUT AND REMOVE CONCRETE SIDEWALK AND SUBBASE.
33. REMOVE AND SALVAGE BATTING CAGE RELINQUISH TO OWNER.
34. ELECTRIC TO REMAIN TEMPORARILY FROM HIGH SCHOOL TO CONCESSION BUILDING. CONNECTION TO BE MAINTAINED BY SOIL REMEDIATION CONTRACTOR DURING SOIL WORK.
35. PROTECT COMMUNICATION CONDUIT FROM HIGH SCHOOL TO PULL BOX.
36. PORTIONS OF WATERLINE TO HAVE BEEN PREVIOUSLY REMOVED, REMOVE PIPE IF HIT DURING CONSTRUCTION.
37. REMOVE WATER FOUNTAIN, AND CAP LINE APPROPRIATELY.
38. REMOVE SIGN AND FOUNDATIONS.
39. REMOVE IRRIGATION MAINS.
40. ALTERNATE #1 - REMOVE GATE AND FOUNDATIONS.

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

HIGH SCHOOL SED #: 07-06-00-01-0-016-023 / FIELDHOUSE #1 SED #: 07-06-00-01-2-044-002 / FIELDHOUSE #2 SED #: 07-06-00-01-7-078-001 / PRESSBOX SED #: 07-06-00-01-7-079-001 / TICKET BOOTH SED #: 07-06-00-01-7-081-001 / FIELDHOUSE #2 SED #: 07-06-00-01-7-078-001

DRAWN BY :	SSV
CHECKED BY :	LG
DATE :	6/30/2020
SCALE :	AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	
2	12/09/2020	REISSUED FOR BID	
3			
4			
5			
6			
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9			

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SITE DEMOLITION PLAN

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS
ELMIRA CITY SCHOOL DISTRICT
777 SOUTH MAIN STREET, ELMIRA, NY 14904

L1.1

PROJECT NO: 2012.228

APPENDIX C

IRM 5A2 COMPLETION MAPS

FL-S209
Elev: 855.89

FL-S208
Elev: 856.22

FL-S207
Elev: 856.28

FL-S206
Elev: 855.921

FL-S205
Elev: 856

~~FL-S210~~
~~Elev: 855.76~~

855

FL-S204
Elev: 855.30

853

854

0-2' interval was excavated to the property line. additional samples have been collected and the western extent will be re-surveyed on 8/4.

~~FL-S211~~
~~Elev: 855.83~~

~~FL-S212~~
~~Elev: 855.30~~

849

852

FL-S203
Elev: 855.49

FL-S202
Elev: 855.53

FL-S201
Elev: 855.24

FL-S200
Elev: 855.16

856

854

~~B1076A~~
~~Elev: 853.90~~

~~S859~~
~~Elev: 854.23~~

~~FL-S213~~
~~Elev: 855.03~~

853

850

851

852

849

849

853

853

PCBs Concentrations

Total PCBs

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

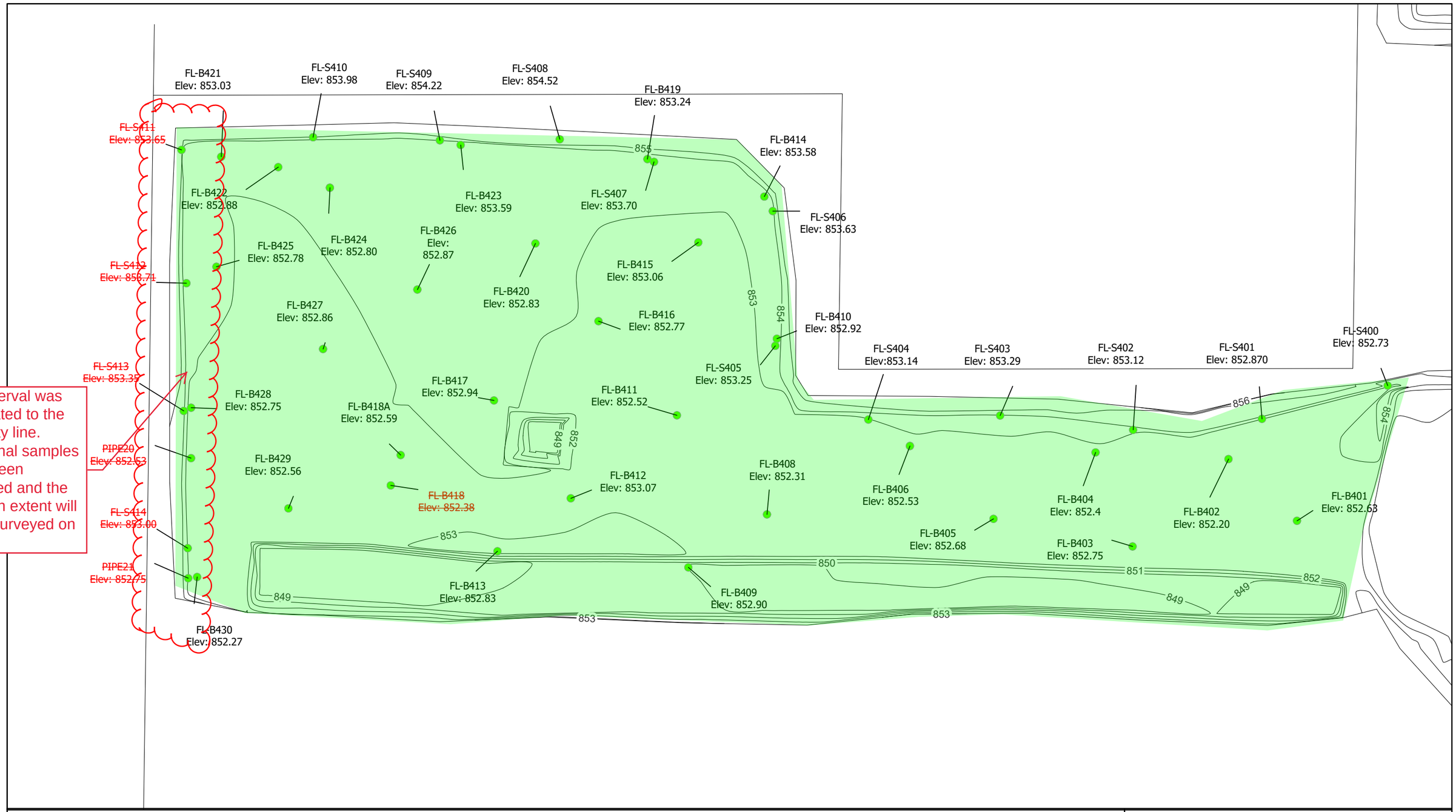
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Minneapolis, MN | August 2022

Figure 1A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx



PCBs Concentrations

Total PCBs

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 20 Feet

Confirmation Samples -PCBs (2-4 ft bgs)

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Figure 1B

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FL-S209
Elev: 855.89

FL-S208
Elev: 856.22

FL-S207
Elev: 856.28

FL-S206
Elev: 855.921

FL-S205
Elev: 856

~~FL-S210~~
~~Elev: 855.76~~

~~FL-S211~~
~~Elev: 855.83~~

~~FL-S212~~
~~Elev: 855.30~~

~~FL-S213~~
~~Elev: 855.03~~

Arsenic >= RRSCO
at property line with
trees at fence line

DUP146 (FL-S202)
As 16 mg/kg
FL-S202
As 13 mg/kg

FL-S201
As 40 mg/kg

FL-S203
Elev: 855.49

FL-S202
Elev: 855.53

FL-S201
Elev: 855.24

FL-S200
Elev: 855.16

B1076A
Elev: 853.90

S859
Elev: 854.23

855
853
854
856
852
849
850
851

- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - Metals (0-2 ft bgs)

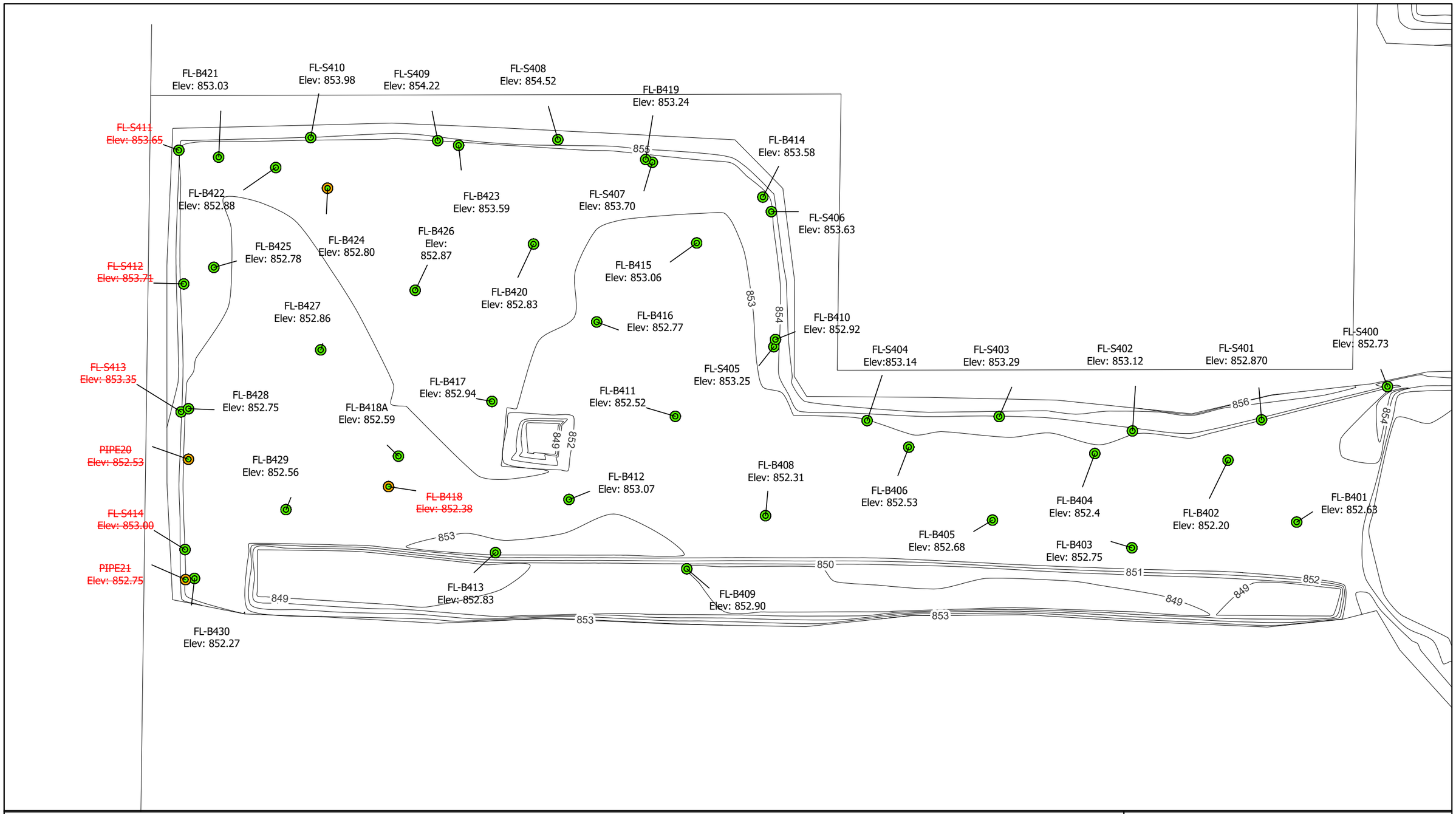
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Elmira, New York

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Figure 2A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx



Confirmation Samples - Metals (2-4 ft bgs)

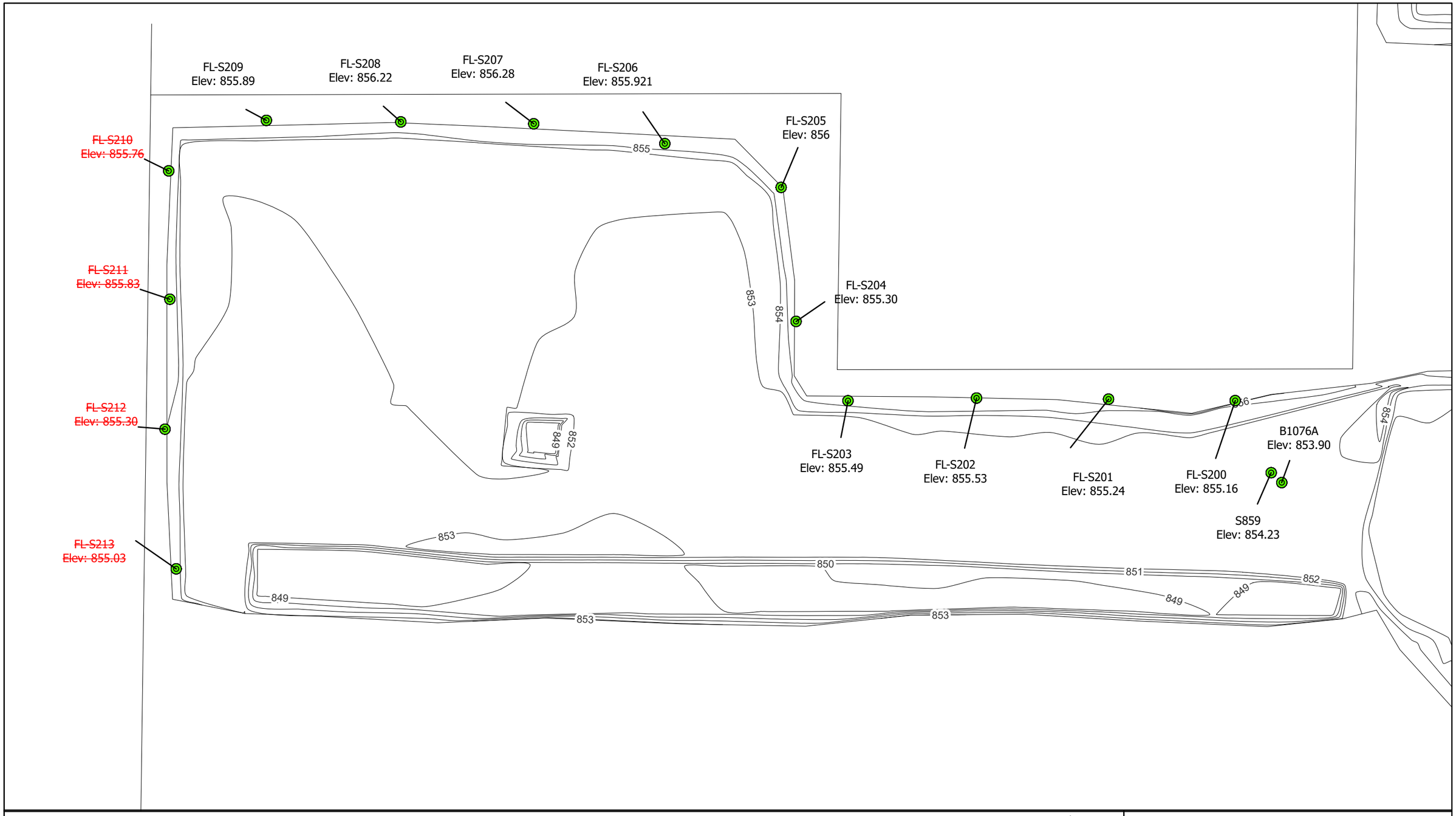
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Figure 2B

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- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed PoG SCO for PCE and/or TCE
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

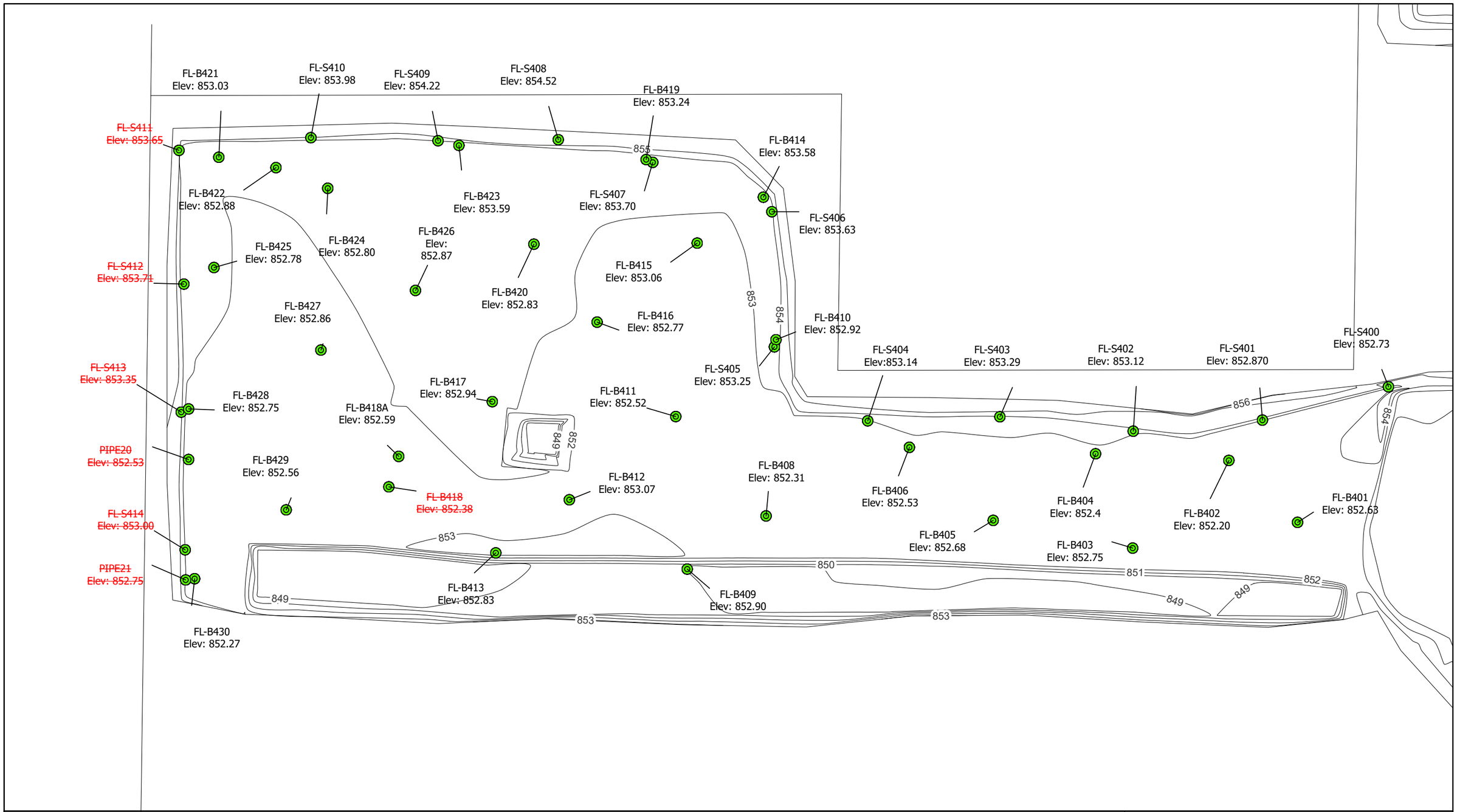
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Former Sperry Remington - North Portion #808022
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Figure 3A

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- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed PoG SCO for PCE and/or TCE
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

Confirmation Samples - VOCs (2-4 ft bgs)

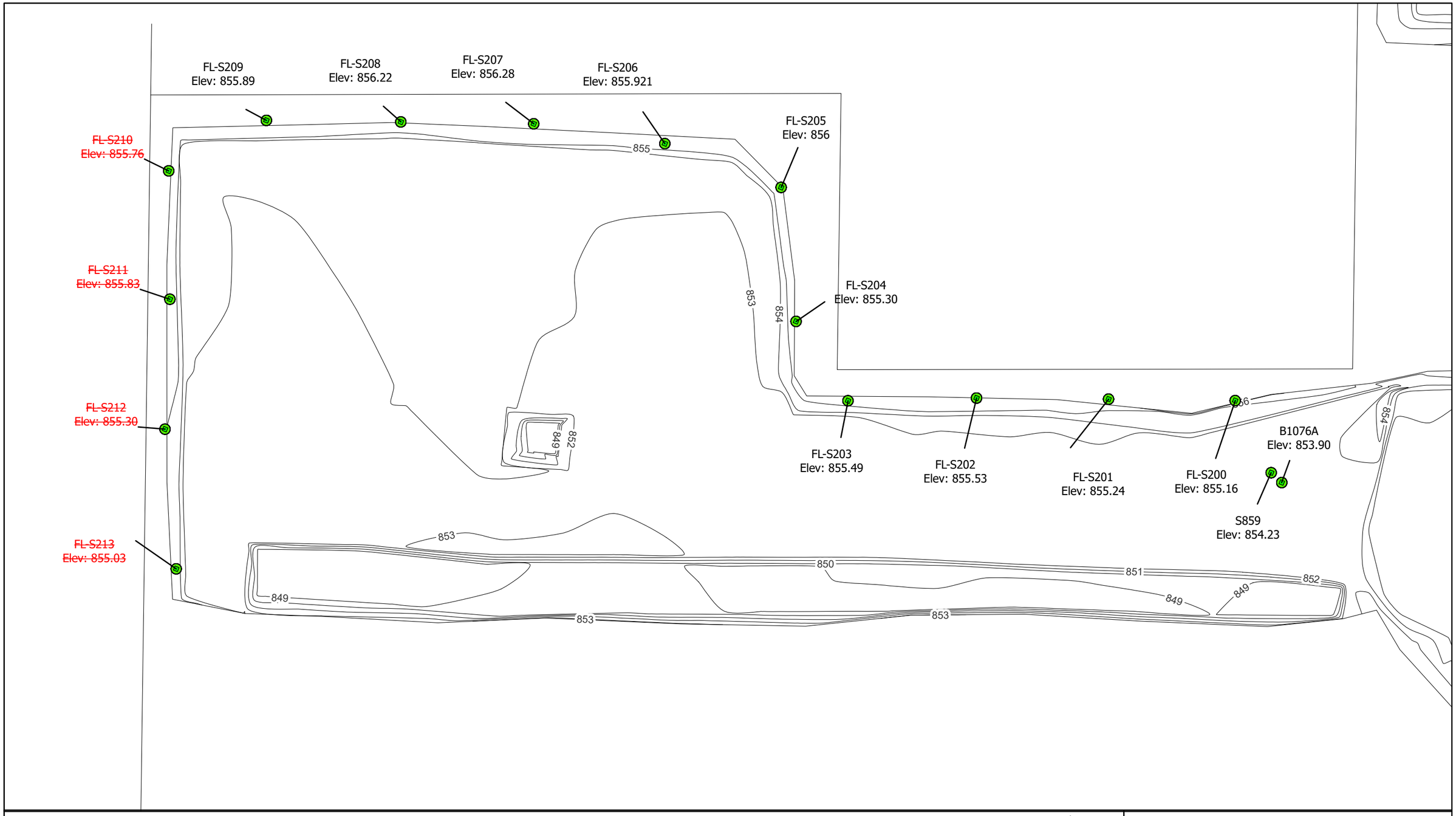
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Figure 3B

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Total PAHs =>100 mg/kg

Total PAHs <100 mg/kg

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - SVOCs (0-2 ft bgs)

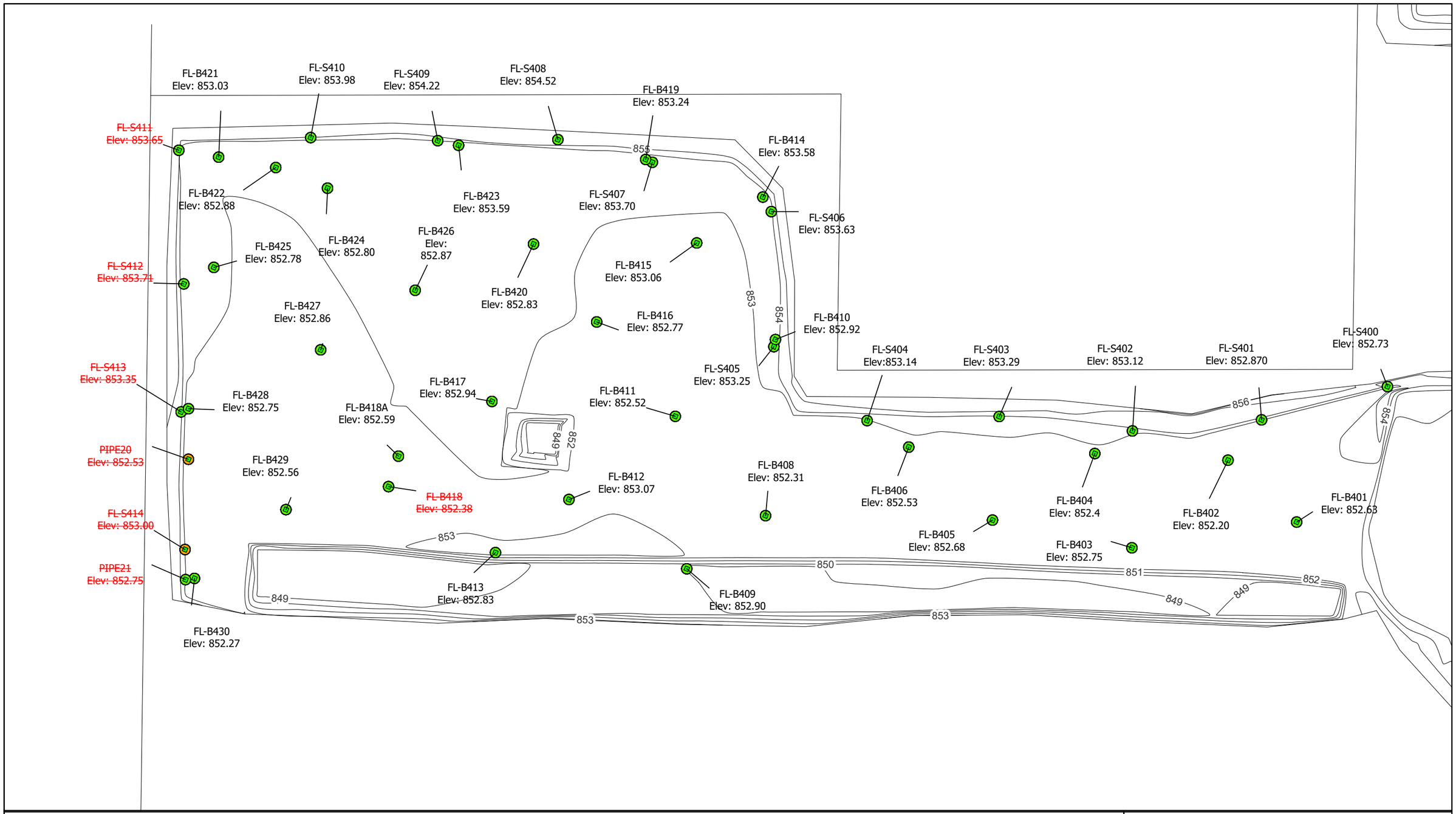
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Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 4A

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Confirmation Samples - SVOCs (2-4 ft bgs)

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Elmira, New York

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Figure 4B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx

FL-S224
Elev: 855.14

~~FL-S214~~
~~Elev: 854.99~~

FL-S225
Elev: 855.19

~~FL-S215~~
~~Elev: 855.07~~

FL-S226
Elev: 855.17

~~FL-S216~~
~~Elev: 855.46~~

FL-S227
Elev: 855.22

~~FL-S217~~
~~Elev: 855.33~~

FL-S228
Elev: 855.52

~~FL-S218~~
~~Elev: 855.09~~

FL-S229
Elev: 855.44

- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- Dry Well
- Dry Well Buffer (30 ft)
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

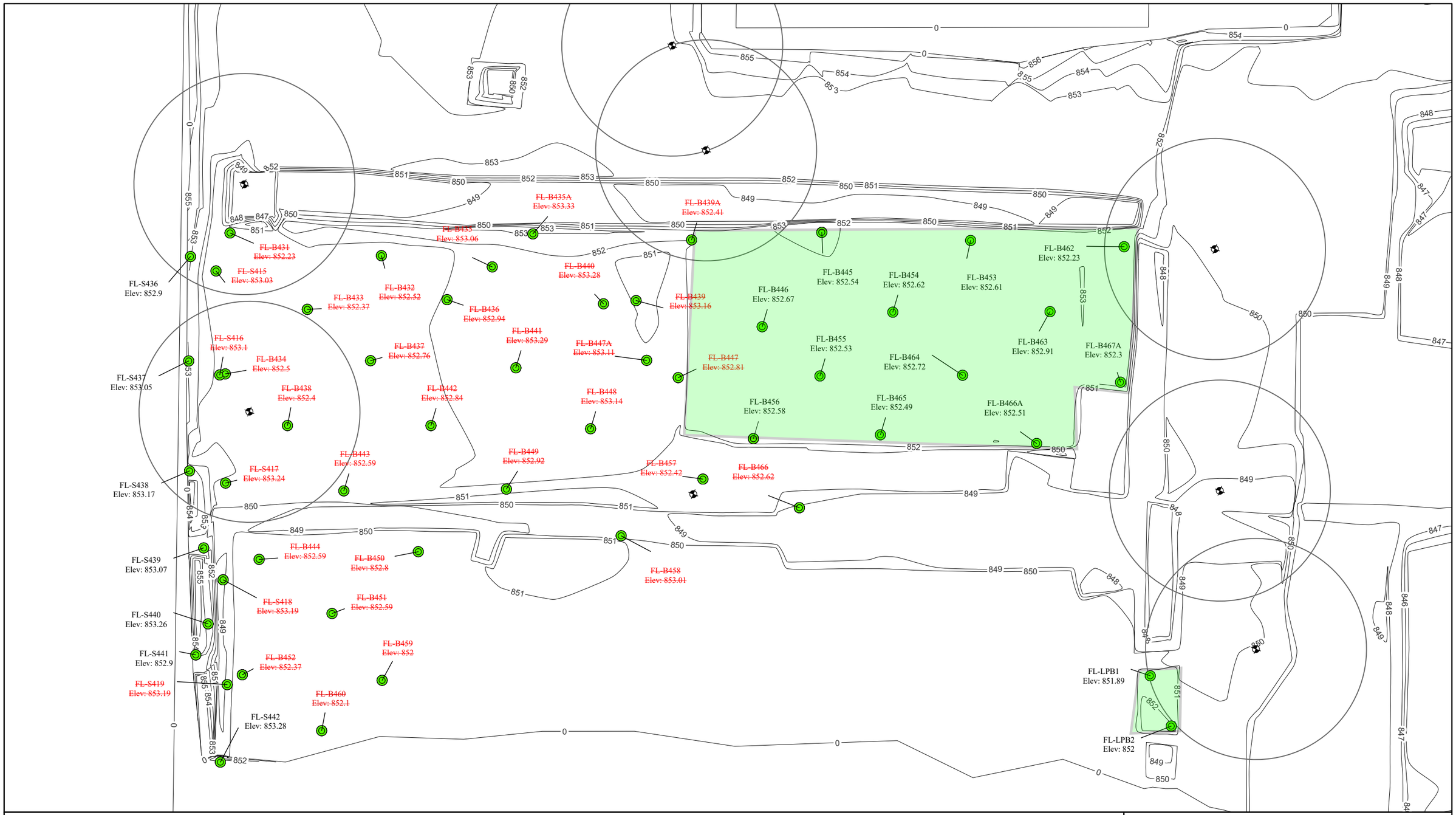
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 1A

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Exceeds PoG Action Level

Does Not Exceed PoG Action Level

PCBs Concentrations
TOTAL PCBs (mg/kg)

< 10

10 - 50

> 50

Dry Well

Dry Well Buffer (30 ft)

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - PCBs (2-4 ft bgs)

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Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 1B

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FL-S225
Hg 0.95 mg/kg
At property line
Above infiltration zone of DW-3B

Excavation has been completed to the western property line. Further excavation to the west would impact the sidewalk on S. Main St.

FL-S224
Elev: 855.14

~~FL-S214~~
~~Elev: 854.99~~

~~FL-S215~~
~~Elev: 855.07~~

FL-S225
Elev: 855.19

FL-S226
Elev: 855.17

~~FL-S216~~
~~Elev: 855.46~~

FL-S227
Elev: 855.22

~~FL-S217~~
~~Elev: 855.33~~

FL-S228
Elev: 855.52

~~FL-S218~~
~~Elev: 855.09~~

FL-S229
Elev: 855.44

Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Exceeds RR SCO
Does Not Exceed RR SCO
Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N
0 25 Feet

Confirmation Samples - Metals (0-2 ft bgs)

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Figure 2A

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FL-B456
Hg 0.85 mg/kg
Above infiltration zone
of DW-6

DW-6

- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- Dry Well
- Dry Well Buffer (30 ft)
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 25 Feet

Confirmation Samples - Metals (2-4 ft bgs)

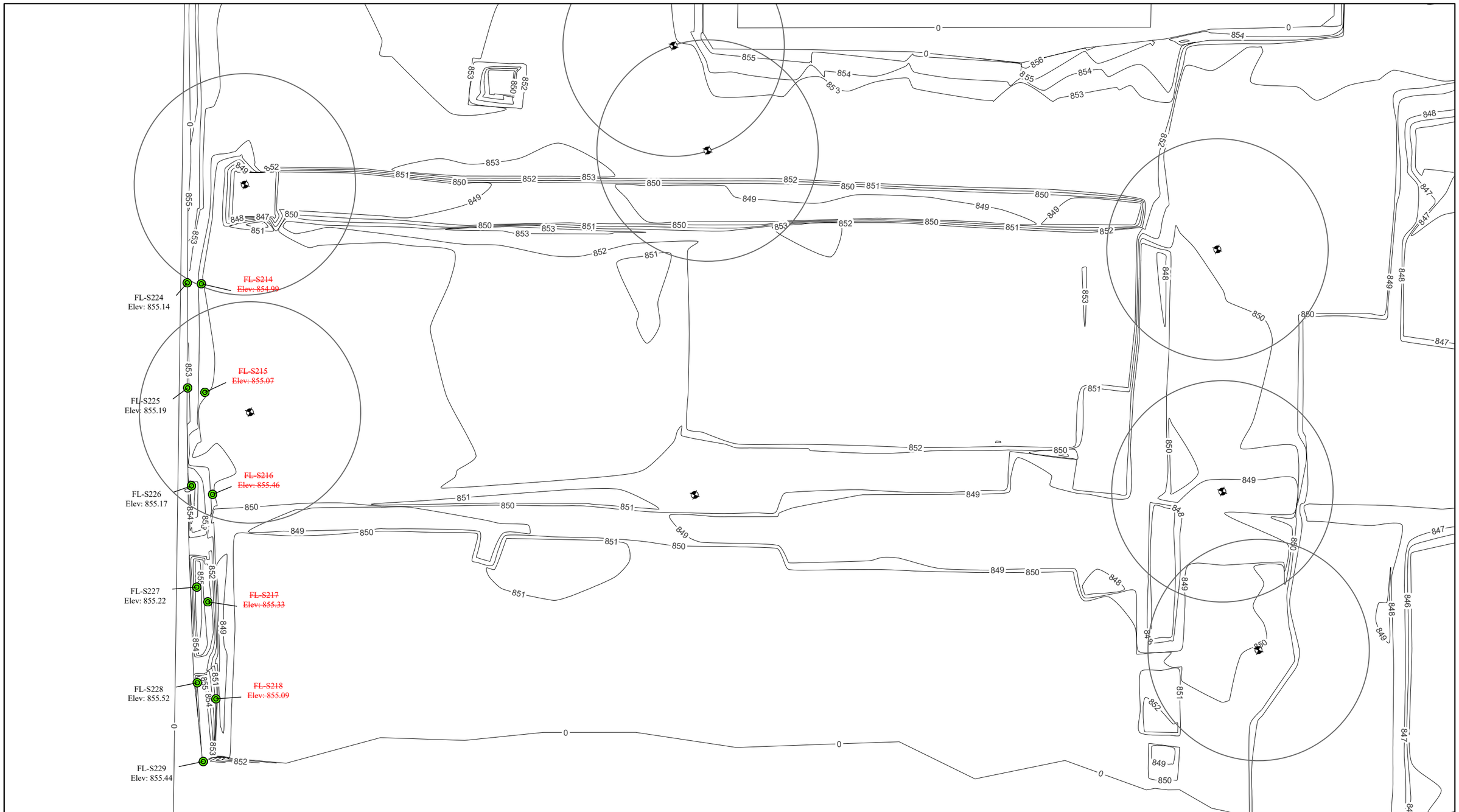
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Figure 2B

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Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Exceeds RR SCO
Does Not Exceed RR SCO
Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

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Elmira, New York

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Figure 3A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S436
Elev: 852.9

FL-S437
Elev: 853.05

FL-S438
Elev: 853.17

FL-S439
Elev: 853.07

FL-S440
Elev: 853.26

FL-S441
Elev: 852.9

FL-S442
Elev: 853.28

~~FL-S415~~
~~Elev: 853.03~~

~~FL-S416~~
~~Elev: 853.1~~

~~FL-S417~~
~~Elev: 853.24~~

~~FL-S418~~
~~Elev: 853.19~~

~~FL-S419~~
~~Elev: 853.19~~

~~FL-B431~~
~~Elev: 852.23~~

~~FL-B432~~
~~Elev: 852.52~~

~~FL-B433~~
~~Elev: 852.37~~

~~FL-B434~~
~~Elev: 852.5~~

~~FL-B435~~
~~Elev: 853.06~~

~~FL-B435A~~
~~Elev: 853.33~~

~~FL-B436~~
~~Elev: 852.94~~

~~FL-B437~~
~~Elev: 852.76~~

~~FL-B438~~
~~Elev: 852.4~~

~~FL-B439~~
~~Elev: 853.16~~

~~FL-B439A~~
~~Elev: 852.41~~

~~FL-B440~~
~~Elev: 853.28~~

~~FL-B441~~
~~Elev: 853.29~~

~~FL-B442~~
~~Elev: 852.84~~

~~FL-B443~~
~~Elev: 852.59~~

~~FL-B444~~
~~Elev: 852.59~~

~~FL-B447~~
~~Elev: 852.81~~

~~FL-B447A~~
~~Elev: 853.11~~

~~FL-B448~~
~~Elev: 853.14~~

~~FL-B449~~
~~Elev: 852.92~~

~~FL-B450~~
~~Elev: 852.8~~

~~FL-B451~~
~~Elev: 852.59~~

~~FL-B452~~
~~Elev: 852.37~~

~~FL-B457~~
~~Elev: 852.42~~

~~FL-B458~~
~~Elev: 853.01~~

~~FL-B459~~
~~Elev: 852~~

~~FL-B460~~
~~Elev: 852.1~~

~~FL-B466~~
~~Elev: 852.62~~

FL-B445
Elev: 852.54

FL-B446
Elev: 852.67

FL-B453
Elev: 852.61

FL-B454
Elev: 852.62

FL-B455
Elev: 852.53

FL-B456
Elev: 852.58

FL-B462
Elev: 852.23

FL-B463
Elev: 852.91

FL-B464
Elev: 852.72

FL-B465
Elev: 852.49

FL-B466A
Elev: 852.51

FL-B467A
Elev: 852.3

FL-LPB1
Elev: 851.89

FL-LPB2
Elev: 852

Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Exceeds RR SCO
Does Not Exceed RR SCO
Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - VOCs (2-4 ft bgs)

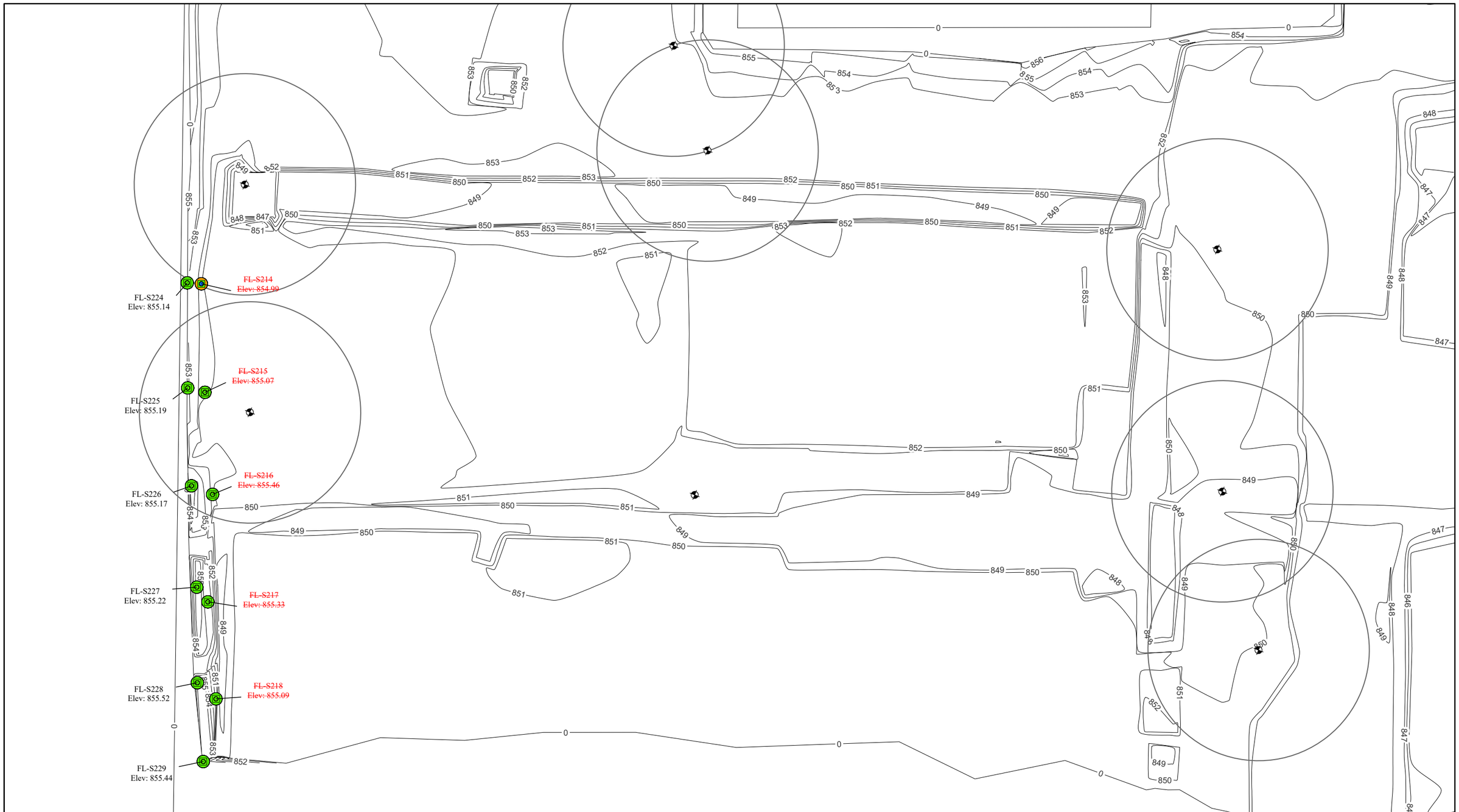
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Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 3B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx



- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg
- Exceeds RR SCO
- Does Not Exceed RR SCO
- Dry Well
- Dry Well Buffer (30 ft)
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - SVOCs (0-2 ft bgs)

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Figure 4A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S436
Elev: 852.9

FL-S437
Elev: 853.05

FL-S438
Elev: 853.17

FL-S439
Elev: 853.07

FL-S440
Elev: 853.26

FL-S441
Elev: 852.9

FL-S442
Elev: 853.28

FL-B431
Elev: 852.23

FL-S415
Elev: 853.03

FL-B433
Elev: 852.37

FL-B432
Elev: 852.52

FL-B436
Elev: 852.94

FL-B435
Elev: 853.06

FL-B435A
Elev: 853.33

FL-B440
Elev: 853.28

FL-B439
Elev: 853.16

FL-B439A
Elev: 852.41

FL-S416
Elev: 853.1

FL-B434
Elev: 852.5

FL-B437
Elev: 852.76

FL-B441
Elev: 853.29

FL-B447A
Elev: 853.11

FL-B447
Elev: 852.81

FL-B438
Elev: 852.4

FL-B442
Elev: 852.84

FL-B448
Elev: 853.14

FL-S417
Elev: 853.24

FL-B443
Elev: 852.59

FL-B449
Elev: 852.92

FL-B457
Elev: 852.42

FL-B466
Elev: 852.62

FL-B444
Elev: 852.59

FL-B450
Elev: 852.8

FL-B458
Elev: 853.01

FL-S418
Elev: 853.19

FL-B451
Elev: 852.59

FL-B452
Elev: 852.37

FL-B459
Elev: 852

FL-S419
Elev: 853.19

FL-B460
Elev: 852.1

FL-B445
Elev: 852.54

FL-B446
Elev: 852.67

FL-B454
Elev: 852.62

FL-B453
Elev: 852.61

FL-B462
Elev: 852.23

FL-B455
Elev: 852.53

FL-B464
Elev: 852.72

FL-B463
Elev: 852.91

FL-B467A
Elev: 852.3

FL-B456
Elev: 852.58

FL-B465
Elev: 852.49

FL-B466A
Elev: 852.51

FL-LPB1
Elev: 851.89

FL-LPB2
Elev: 852

Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Total PAHs =>100 mg/kg
Total PAHs <100 mg/kg

Exceeds RR SCO
Does Not Exceed RR SCO

Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - SVOCs (2-4 ft bgs)

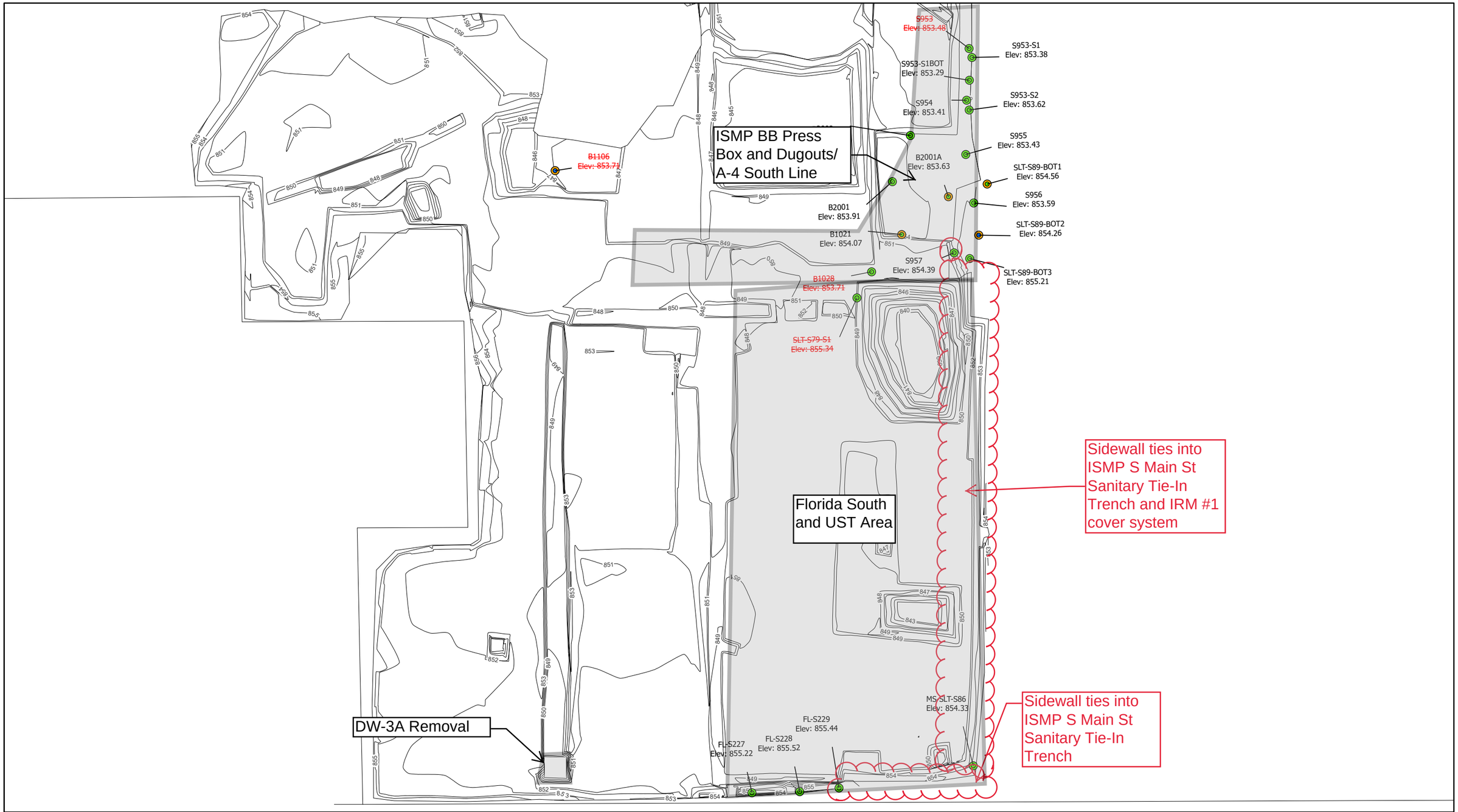
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Elmira, New York

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Figure 4B

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- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

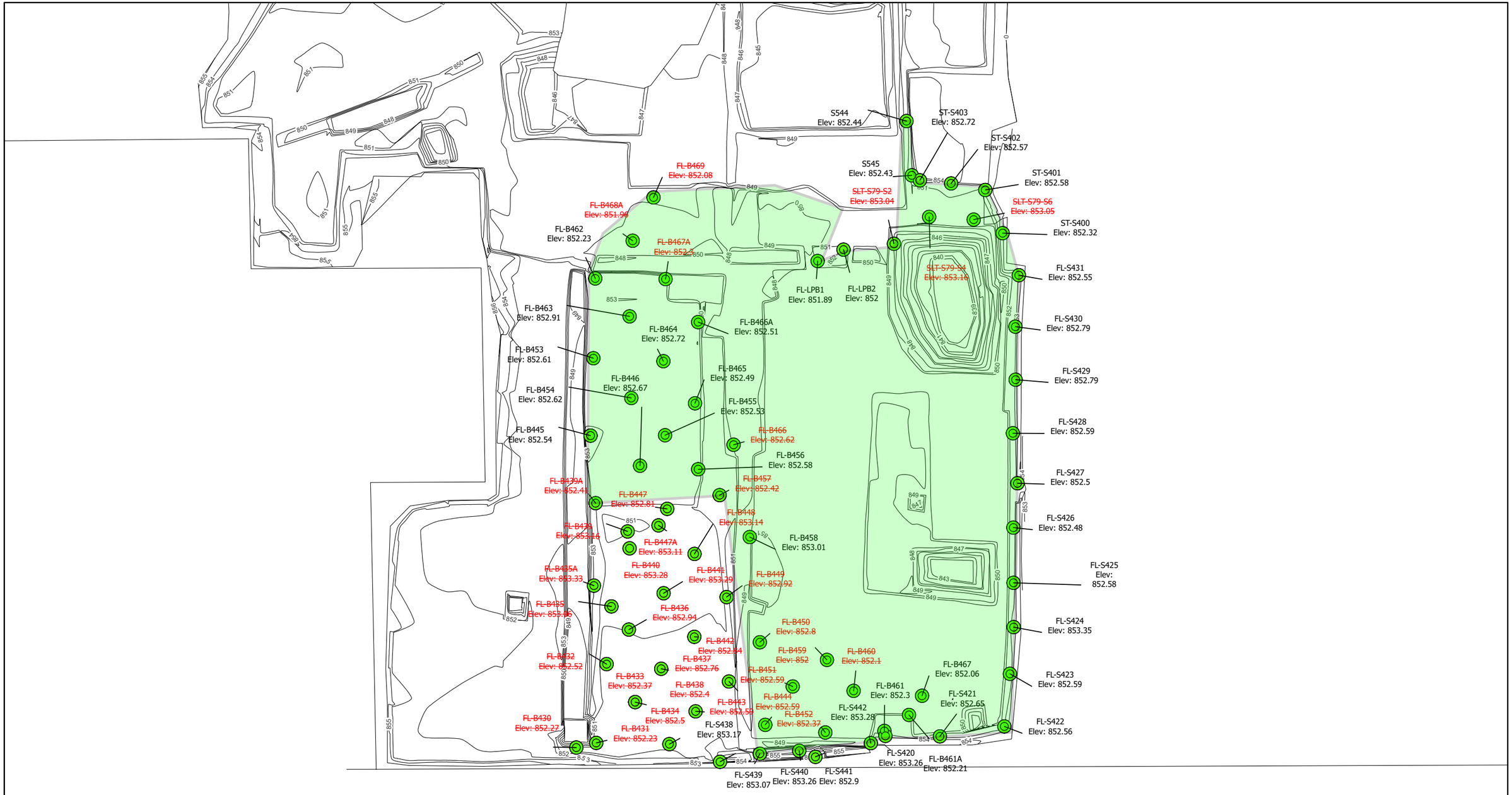
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Elmira, New York

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Figure 1A

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Exceeds PoG Action Level

Does Not Exceed PoG Action Level

PCBs Concentrations

TOTAL PCBs (mg/kg)

- < 10
- 10 - 50
- > 50

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - PCBs (2-4 ft bgs)

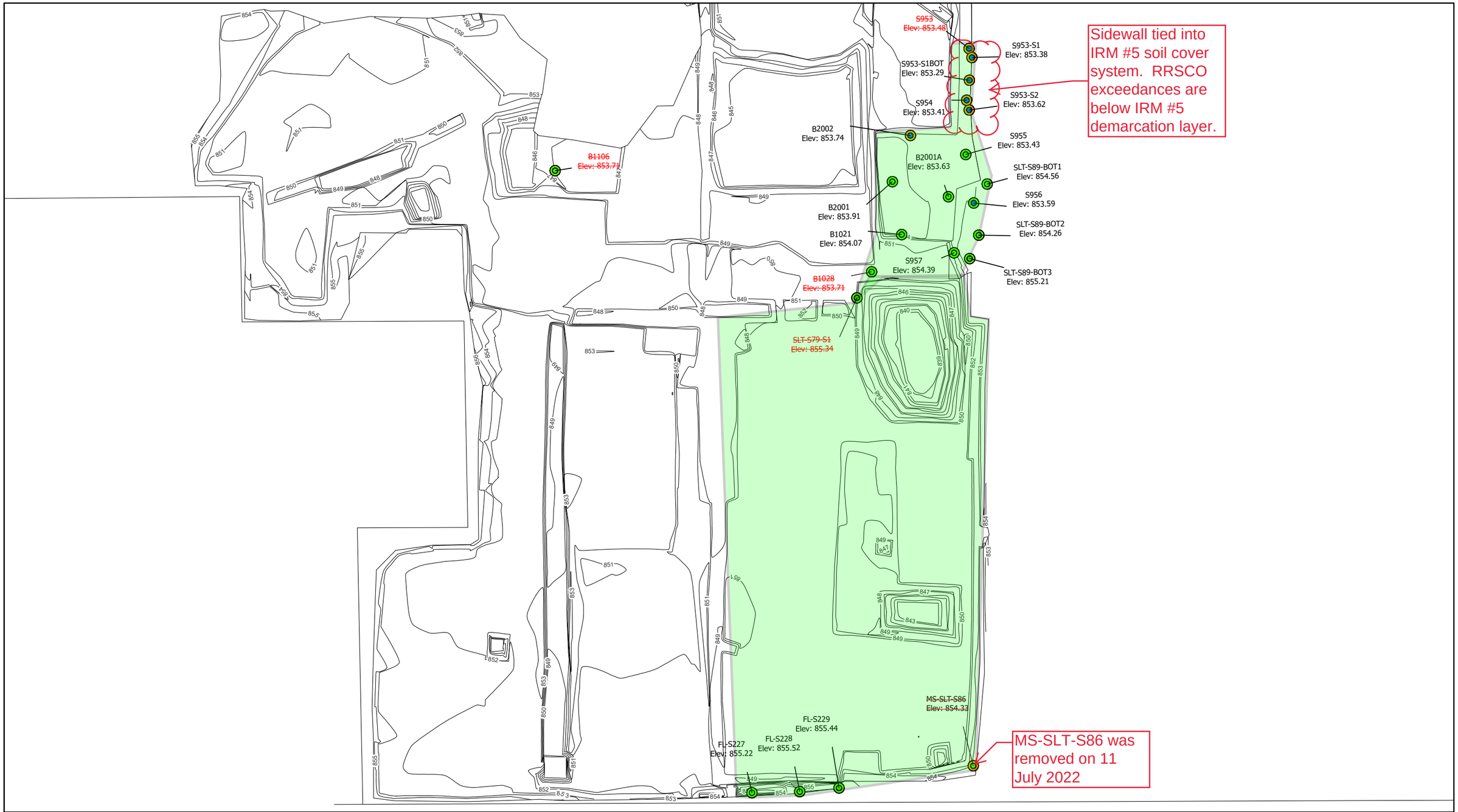
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Figure 1B

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- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - Metals (0-2 ft bgs)

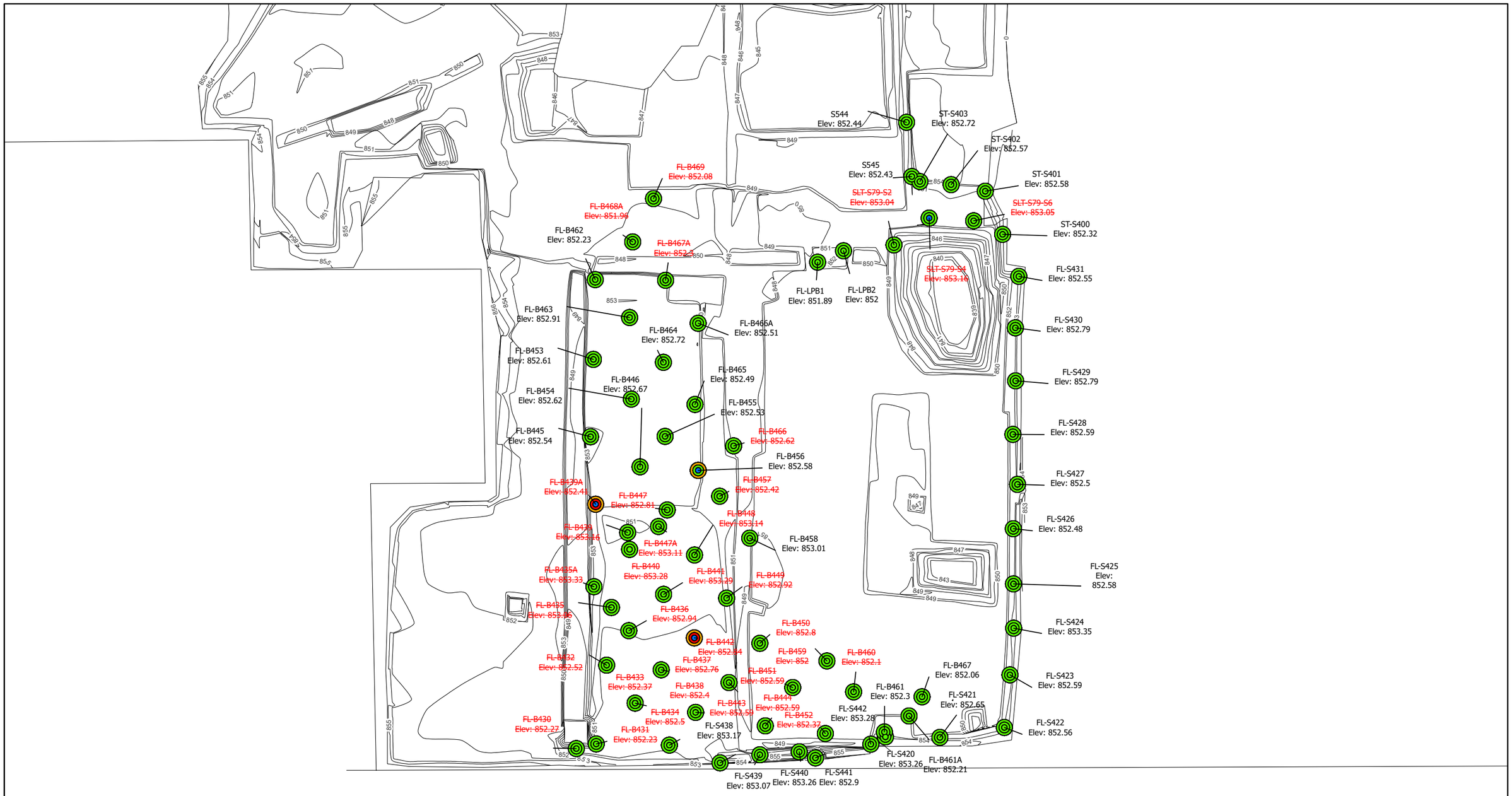
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Elmira, New York

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Figure 2A

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- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - Metals (2-4 ft bgs)

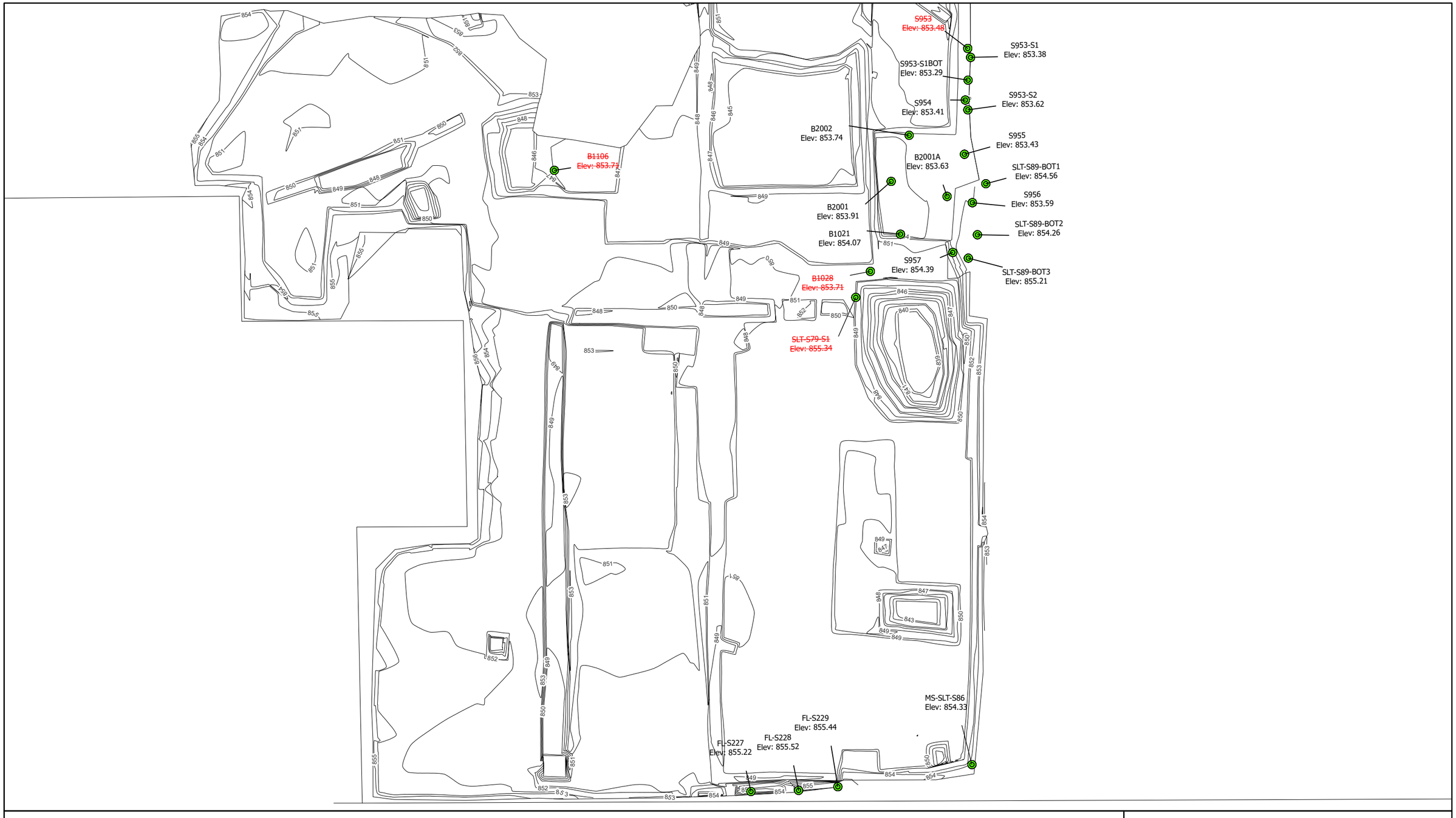
IRM5A
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Figure 2B

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- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 50 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

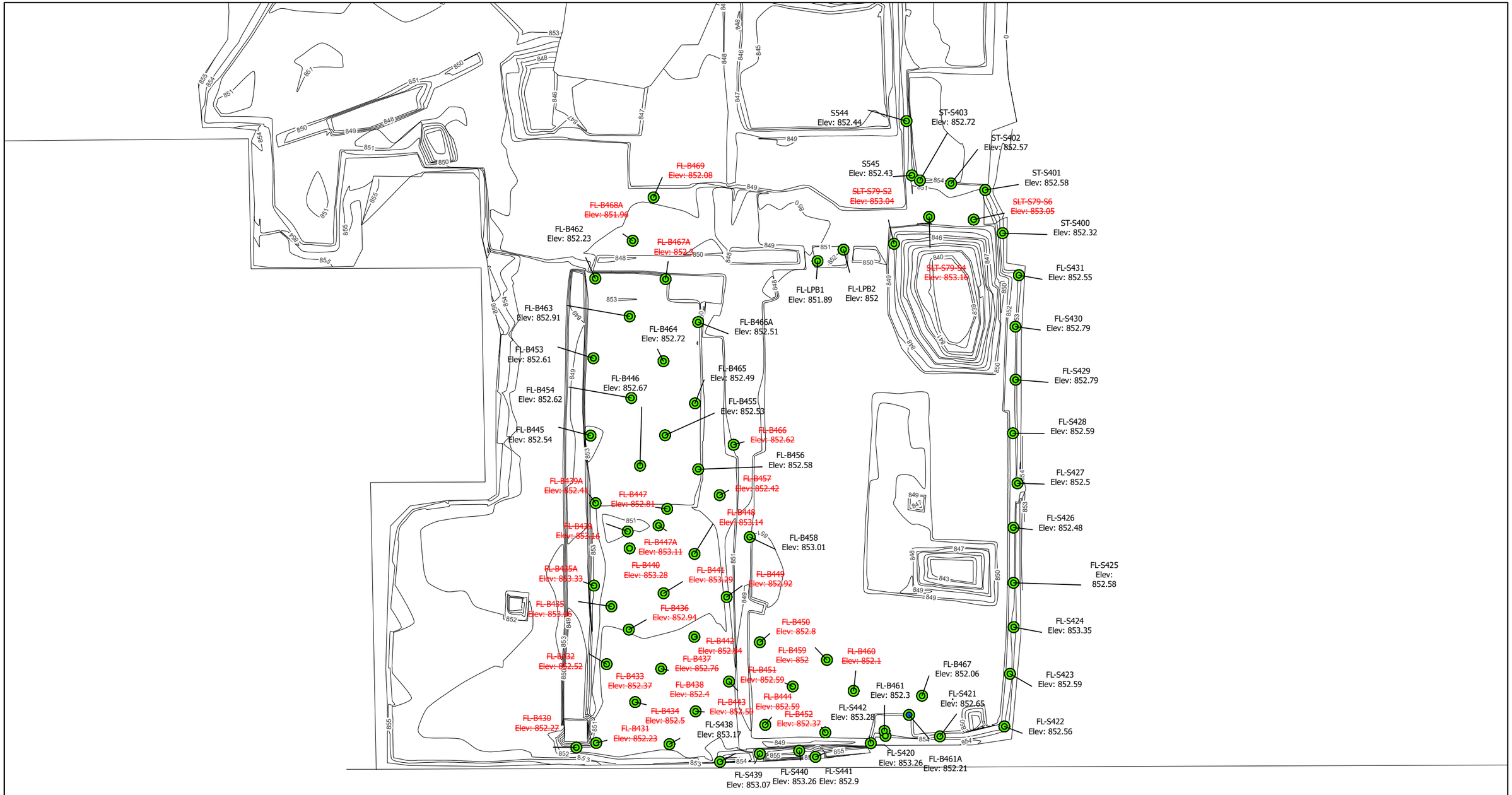
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Minneapolis, MN | September 2022

Figure 3A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Southern.aprx



- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO

—— As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - VOCs (2-4 ft bgs)

IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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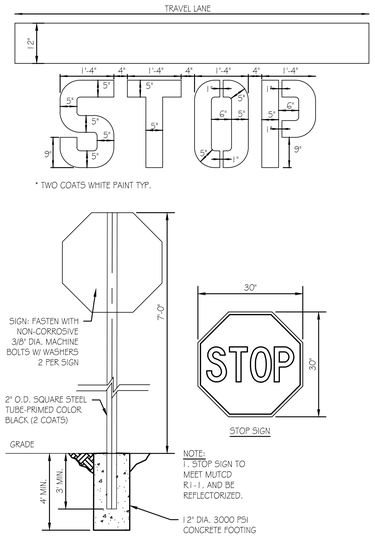
Minneapolis, MN | September 2022

Figure 3B

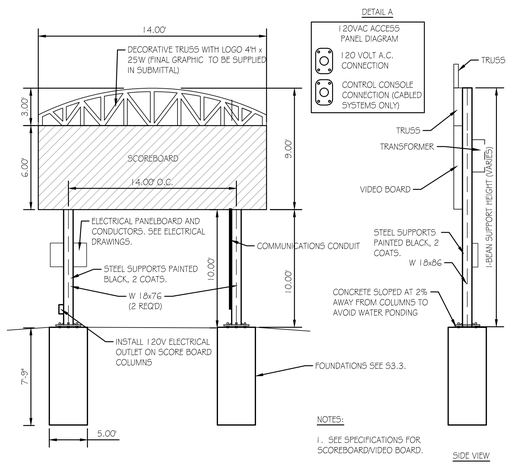
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APPENDIX D

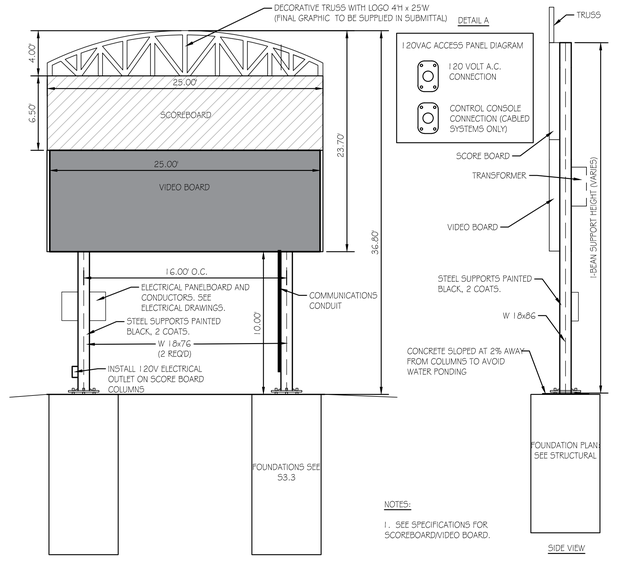
ECSD CONSTRUCTION DETAILS



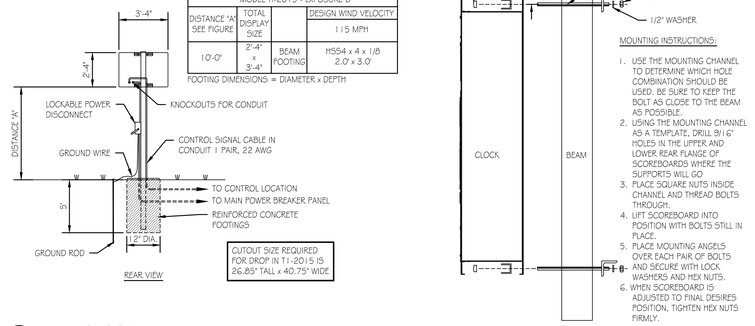
12 STOP SIGN DETAILS
SCALE: N.T.S.



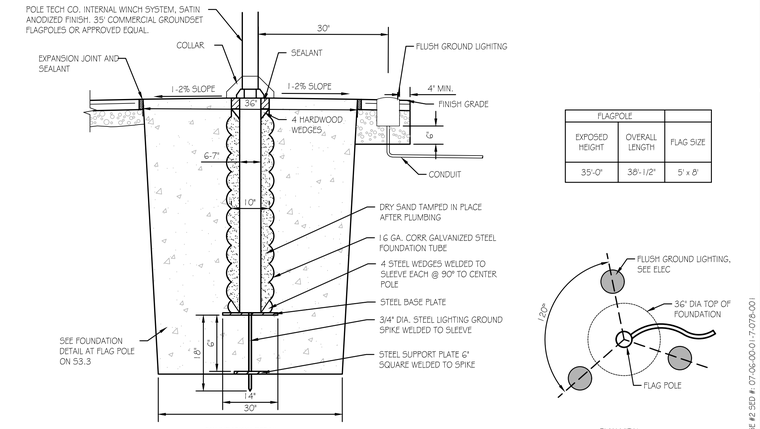
11 BASEBALL SCOREBOARD
SCALE: N.T.S.



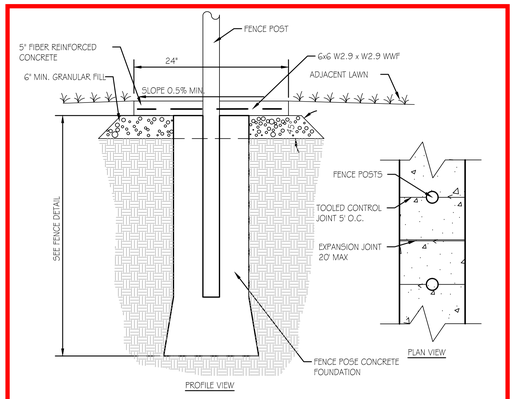
10 STADIUM SCOREBOARD
SCALE: N.T.S.



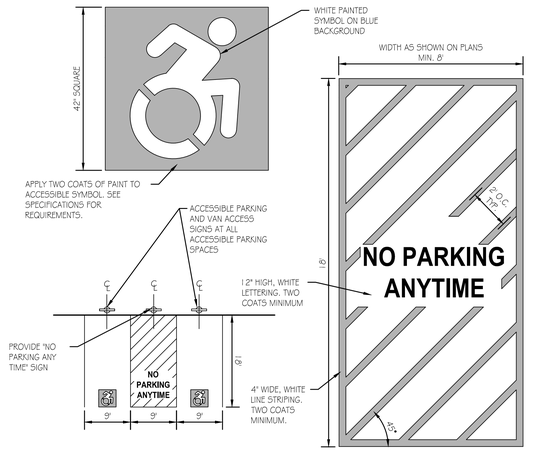
9 PLAY CLOCK
SCALE:1"=20'



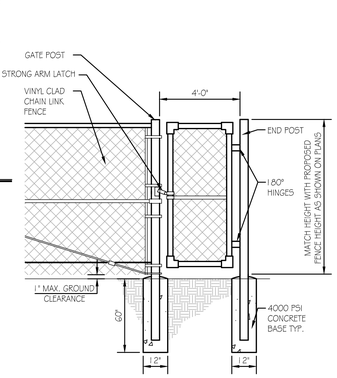
8 FLAG POLE DETAIL
SCALE: N.T.S.



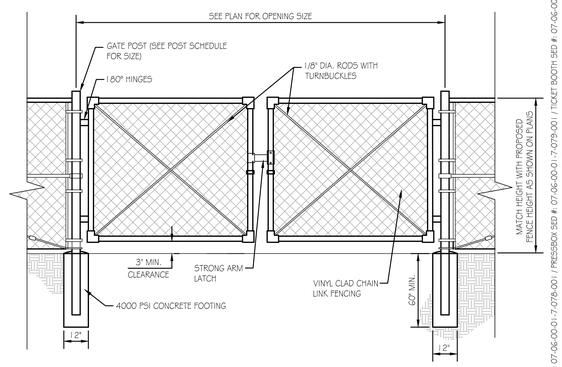
7 CONCRETE MOW STRIP UNDER FENCE
SCALE: N.T.S.



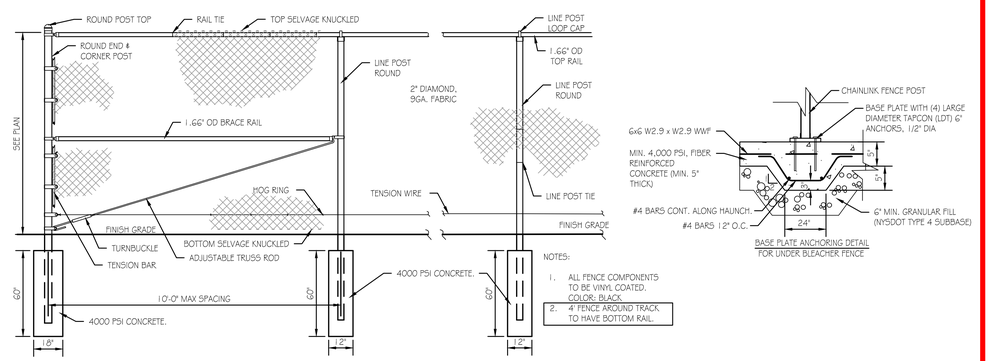
6 ACCESSIBLE PARKING SIGNAGE AND LAYOUT
SCALE: N.T.S.



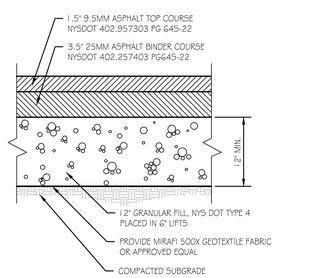
5 MAN-GATE W/ STRONG ARM LATCH
SCALE: N.T.S.



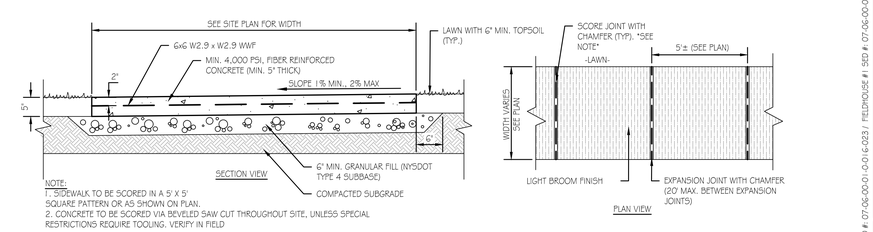
4 DOUBLE SWING GATE WITH STRONG ARM LATCH DETAIL
SCALE: N.T.S.



3 CHAIN LINK FENCE DETAILS
SCALE: N.T.S.



2 STANDARD DUTY ASPHALT PAVEMENT
SCALE: N.T.S.



1 CONCRETE SIDEWALK
SCALE: N.T.S.

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	
2	12/29/2020	REISSUED FOR BID	
3			
4			
5			
6			
7			
8			

DRAWN BY : SSV
CHECKED BY : LG
DATE : 6/30/2020
SCALE : AS NOTED

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Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architect's Seal, Is A Violation Of Section 7209, Subdivision 2 Of The New York State Education Law.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 Ph 607-358-1800 Offices Rochester | Horseheads | Towanda

SITE DETAILS
ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS
ELMIRA CITY SCHOOL DISTRICT
777 SOUTH MAIN STREET, ELMIRA, NY 14904

L6.4

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE # SED # 07-06-00-01-2-044-002 / FIELDHOUSE #2 SED # 07-06-00-01-7-078-001 / PRESSBOX SED # 07-06-00-01-7-078-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-081-001 / TICKET BOOTH SED # 07-06-00-01-7-079-001

From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Thursday, May 25, 2023 4:20 PM
To: McCartney, W Scott <w.scott.mccartney@wsp.com>; Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@wsp.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; david.pratt@dec.ny.gov; Aube, Rene <rene.aube@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; Grasmeyer, Luke <grasmeyerl@hunt-eas.com>; mdunn <mdunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; jconfer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

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Scott,

Please see below for an updated schedule for the ISMP Notice Addendum # 1 (Light Pole installation) subject to change based on availability of laboratory data:

- Earliest Laboratory Report Deliverable Date: 6/8/2023
- Report Deliverable Date: 6/30/2023

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com
www.sterlingenvironmental.com

From: McCartney, W Scott <w.scott.mccartney@wsp.com>
Sent: Thursday, May 25, 2023 1:39 PM
To: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>; Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@wsp.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Miranda Stelmach

<MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

Andrew,

Can you please provide an updated schedule for the ISMP Notice Addendum # 1 (Light Pole installation) including a date for the report deliverable.

Thanks,

Scott

From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Friday, May 5, 2023 12:59 PM
To: Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@wsp.com>; McCartney, W Scott <w.scott.mccartney@wsp.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

Good Afternoon Tim,

Attached is written acceptance of the Approved as Modified to the ISMP Notice Addendum #1. The schedule is currently pending contractor availability. A completed activity log will be submitted in advance of the work with a calendar schedule including report deliverables.

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com
www.sterlingenvironmental.com

From: Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>
Sent: Wednesday, April 26, 2023 3:56 PM
To: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>; Howe, Alexander <alexander.howe@wsp.com>; McCartney, W Scott <w.scott.mccartney@wsp.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole M <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; vincent.whelan <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

Hi Andrew,

Hope you are having a pleasant day. Attached please find the ISMP Notice Addendum 1 approved as modified. Please contact me if you have any questions.

Thank you,

Tim

Timothy A. Schneider P.E.
Pronouns: he / him / his
Professional Engineer 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5480 | F: (585) 226-8139 | timothy.schneider@dec.ny.gov
www.dec.ny.gov |  |  | 

This electronic message may contain privileged or confidential information. If you are not the intended recipient of this e-mail, please delete it from your system and advise the sender.

From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Friday, April 21, 2023 12:16 PM
To: Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@wsp.com>; McCartney, W Scott <w.scott.mccartney@wsp.com>; akrasnopoler@geosyntec.com; Amanda.Castignetti@SterlingEnvironmental.com; Bonsteel, Nicole M <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; vincent.whelan <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>

Cc: Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

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Good Afternoon Tim & Alex,

The ISMP Notification/Work Plan has been updated to address Agency comments. Please note that the light pole bases have been redesigned to limit excavation to a depth of 5 feet below final grade. This causes the two northern light poles to be entirely above demarcation layer. Therefore, the work plan has been revised to only include the two southern light poles that will extend below demarcation layer. This also greatly reduces the soil quantity requiring handling for characterization. The work plan includes temporary onsite staging to allow for characterization prior to offsite disposal.

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com
www.sterlingenvironmental.com

From: Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>
Sent: Tuesday, March 28, 2023 11:40 AM
To: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>; Howe, Alexander <alexander.howe@wsp.com>; McCartney, W Scott <w.scott.mccartney@wsp.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole M <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; vincent.whelan <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Paul Brookner <PBrookner@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

Hi Andrew,

Hope you are having a pleasant day. Attached please find Agency comments for revision for the above notice.

Best,

Tim

Timothy A. Schneider P.E.

Pronouns: he / him / his
Professional Engineer 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5480 | F: (585) 226-8139 | timothy.schneider@dec.ny.gov
www.dec.ny.gov |

This electronic message may contain privileged or confidential information. If you are not the intended recipient of this e-mail, please delete it from your system and advise the sender.

From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Thursday, March 16, 2023 5:03 PM
To: Howe, Alexander <alexander.howe@wsp.com>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; akrasnopoler@geosyntec.com; Amanda.Castignetti@SterlingEnvironmental.com; Bonsteel, Nicole M <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; vincent.whelan <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Paul Brookner <PBrookner@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

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Alex,

The ISMP Notification/Work Plan has been updated to address Agency comments. The haul route map has been added as an appendix. Health & Safety protocols have been added for completing the light pole foundation excavations in proximity to the underground electric utility. The figure in Appendix C has been updated to show the IRM1 limits with current and proposed site features as well as the location of the underground electric utility in relation to the light poles. A redline word file is attached to facilitate your review.

Please let me know if you need anything else.

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com
www.sterlingenvironmental.com

From: Howe, Alexander <alexander.howe@wsp.com>
Sent: Thursday, March 9, 2023 12:12 PM
To: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@wsp.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole M <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; vincent.whelan <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Paul Brookner <PBrookner@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

Hello Andrew,

The Agency has completed an initial review of the addendum to the ISMP Notification/Work Plan and find the document incomplete. Please update with the following:

1. Section 5.5: Materials Excavation and Load out – EWP G-5: Soils transport to the offsite MSA must use the approved Truck Haul Routes as defined within IRM#5A2 – Addendum #6 and presented on Figure 3.
2. Appendix A - Light Pole Locations: Provided figure must define the location of the energized buried electrical line located running parallel to the IRM#5A2 “Florida Area” excavation located between the proposed parking area and tennis courts. Provide discussion on safe excavation methods for work adjacent to the energized buried electrical line.
3. Supporting figures presented in Appendix C – Summary of Environmental Conditions, must use updated drawings defining the limits of IRM#1 and the updated tennis court layout. Additionally, any future submittals must use the updated construction drawings with respect to IRM#1.

Regards,

Alex

Alexander Howe, PG
Senior Geologist

M+ 1 207-776-8242

From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Friday, March 3, 2023 11:49 AM
To: McCartney, W Scott <w.scott.mccartney@wsp.com>; Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Howe, Alexander <alexander.howe@wsp.com>; akrasnopoler@geosyntec.com; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Bonsteel, Nicole M <nicole.bonsteel@wsp.com>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Aube, Rene P. <rene.aube@wsp.com>; Glowark, Brandon <brandon.glowark@wsp.com>; Krueger, Kevin D. <Kevin.Krueger@unisys.com>; vincent.whelan <vincent.whelan@wsp.com>; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Paul Brookner <PBrookner@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Dunn <MDunn@buildwelliver.com>; Mike Fulkerson <mfulkerson@buildwelliver.com>; Jordyn Confer <jconfer@edgerinc.com>
Subject: RE: NYSDEC #c808022 - ISMP Notification for ECSD Shotput Discus Area

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Morning Scott,

On behalf of ECSD, attached is an addendum to the ISMP Notification/Work Plan for activities in the shotput-discus area that received contingent approval on November 11, 2022. ECSD has identified four light pole foundations that require excavation into native soil for installation. This work is currently scheduled for the week of March 13th and will be performed following Agency approval and with completion of an Activity Log. Let us know if you have any questions.

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com
www.sterlingenvironmental.com

Sterling Environmental Engineering, P.C.

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL DISCUS-SHOTPUT AREA
ELMIRA, NEW YORK

ADDENDUM #1

Prepared for:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared by:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

November 3, 2022

Revisions to ISMP Notification/Work Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	4/21/2023	Updated to include excavation for light pole foundations	

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL DISCUS-SHOTPUT AREA
ELMIRA, NEW YORK

ADDENDUM #1

1.0 INTRODUCTION

This Addendum is submitted to the New York State Department of Environmental Conservation (NYSDEC) because the ISMP Notification/Work Plan for the EHS Discus-Shotput Area dated November 3, 2022, contingently approved by the NYSDEC on November 11, 2022, is being amended to include installation of light pole foundations as part of the Capital Improvement Project by the Elmira City School District (ECSD).

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive activity:

1. The installation of two (2) concrete light pole foundations and electrical conduit within the new parking area for the discus-shotput area will consist of excavating to a depth of 5 feet below the final cover system grade (see Appendix A for the light pole locations). The excavation sidewalls will be sloped to prevent material sloughing, which will result in excavation dimensions of approximately 9 feet by 9 feet at the ground surface and 4 feet by 4 feet at the base. Precast concrete foundations will be installed in the excavations and backfilled with approved materials up to the final surface grade. Each excavation is estimated to generate approximately 9 CY (i.e., 18 CY total excavated soil). Approximately 50% of the excavated soil is estimated to be soil above demarcation layer that can be reused as backfill. The remaining 50% of excavated soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste characterization sampling followed by offsite disposal. Electrical conduit will be installed at a depth of 24 inches or less and is expected to be entirely above demarcation layer. The light pole base installation details are provided in Appendix B.

The two (2) light pole foundations are located approximately 6 to 7 feet north of the active underground electrical utility that extends east-west from South Main Street to the ground mounted transformer as shown on the drawing in Appendix C. ECSD's contractor will adhere to the following safety measures for completing the foundation excavations in proximity to the underground utility:

1. The alignment of the underground electrical utility will be field staked using as-built GPS data.
2. The limits of the light pole foundation excavation will be field staked.
3. The underground electrical conduit will be exposed to by hand digging to visually confirm the location and depth of the conduit.
4. The light pole foundation excavation will proceed in the presence of a spotter to ensure excavation activities do not impact the utility.

Soil removed from the light pole excavation locations and cover reconstruction activities will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

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3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The two (2) light pole foundations are located along the southern boundary of the IRM 5A2 excavation and overlap with the IRM 1 excavation limits. The locations of the light pole foundations in relation to the IRM excavation areas are shown in Appendix C. The excavations are expected to remove imported soil before encountering demarcation layer signifying the transition to underlying native soils. The imported soil above demarcation layer will be excavated first and stockpiled separately from underlying native soil. The environmental condition of native soil is presented in IRM completion maps included in Appendix D. All soil removed from beneath demarcation layer will be containerized into a lined roll-off container for temporary staging on ECSD property to allow for waste characterization sampling followed by offsite disposal.

4.0 SCHEDULE

Construction activities described in this addendum will be initiated following NYSDEC approval. A completed ISMP Activity Log will be submitted indicating the actual start date. The work is expected to take approximately one week to complete. Completion documentation, including documentation sample data and an as-built survey, is expected to be compiled for reporting to NYSDEC within 6 weeks of completing the light pole installation.

5.2 Roles and Responsibilities (EWP G-2)

The Roles and Responsibilities are unchanged from the approved ISMP Notification/Work Plan and will be documented in a completed ISMP Activity Log prior to initiating the work. Based on current IRM activities, it is expected that Geosyntec will be unavailable to provide a Qualified Environmental Professional (QEP) for this ISMP activity. Therefore, STERLING will provide a QEP to oversee this ISMP activity, perform community air monitoring, and collect excavation documentation samples.

5.3 Soil Screening Methods (EWP G-3)

Soil screening of all soil removed during construction activities will be performed by a QEP and as described in, and as required by, Section G-3 of the ISMP/EWP.

5.4 Soil Staging Methods (EWP G-4)

Excavated soil will be staged as described in, and as required by, Section G-4 of the ISMP/EWP. Excavated soil from above demarcation layer will be stockpiled for reuse as backfill. The excavated native soil from beneath demarcation layer and below prior remediation limits will be removed, loaded directly into a poly-lined roll-off container, and transported by the ECSD contractor to a designated area on ECSD property for temporary staging to allow for waste characterization sampling followed by offsite disposal. Uncharacterized soil will not be transported for offsite storage. CAMP monitoring will be performed during ground intrusive activities by the QEP, as described in Section 5.15.

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5.5 Materials Excavation and Load-Out (EWP G-5)

Load-out of excavated soil will be performed by the ECSD contractor, and as described in, and as required by, Section G-5 of the ISMP/EWP. The roll-off container will be loaded on geotextile and decontaminated by dry methods to ensure no loose soil remains on the sides. The loaded roll-off container will be tarped and then relocated to a designated location on ECSD property for temporary staging to allow for waste characterization sampling followed by offsite disposal. Loaded roll-off containers will travel along South Main Street to the High School Service Entrance, as shown in Appendix E. Geosyntec and the Unisys remedial contractor will be responsible for load-out and offsite disposal following waste characterization.

5.6 Materials Transport Off-Site (EWP G-6)

Transportation of the excavated soil will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. Geosyntec or the Unisys remediation contractor will arrange for transportation of the excavated soil for offsite disposal following waste characterization.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of excavated soil. Excavations of uncharacterized native soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs. Excavated soil will be managed in a lined roll-off container for temporary staging on ECSD property to allow for waste characterization sampling followed by offsite disposal. Geosyntec or the Unisys remediation contractor will arrange for transportation of the excavated soil for offsite disposal following waste characterization. The likely landfill for disposal is Hyland Landfill in Ontario, NY, operated by Casella Waste Systems.

5.8 Material Reuse On-Site (EWP G-8)

Excavated soil from above demarcation layer will be stockpiled for reuse as backfill material. If on-site reuse of excavated soils from beneath demarcation layer is contemplated, the NYSDEC will be informed and laboratory analyses will be performed to determine whether the soil meets the criteria for reuse on-site, either within a soil cover system, or as fill material below a soil cover system, in accordance with Section G-8 of the ISMP/EWP. Soil quality would need to meet the requirements in NYSDEC DER-10 Appendix 5 to be reused. The number and type of soil samples would be in accordance with Section G-8 of the ISMP/EWP. A Request to Import/Reuse Fill or Soil form would be submitted to the NYSDEC for approval if reuse of the soil onsite is supported by the laboratory analytical data.

5.9 Confirmation Sampling (EWP G-9)

Documentation samples will be collected from each excavation at a frequency of one (1) per excavation bottom, and one (1) from each excavation sidewall within native soils (i.e., five (5) documentation samples per excavation). Documentation samples will be collected for full suite parameters (SVOCs, VOCs, PCBs, and metals) with 25% of samples collected for emerging contaminants.

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5.10 Fluids Management (EWP G-10)

Fluid management is not expected with the proposed ISMP work. Excavations will not extend to the groundwater table. Equipment that comes into contact with native soils will be limited to the excavator bucket, which will be decontaminated by dry methods over a lined roll-off container to remove any loose soil to prevent cross-contamination.

No wet decontamination will occur outside of active IRM work areas.

5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in compliance with Section G-11 of the ISMP/EWP.

A demarcation layer is required as described in Section G-11 of the Excavation Work Plan "to provide a visual reference to the top of the remaining contamination zone". A demarcation layer will be draped across the excavation prior to installing the precast concrete foundation. The demarcation layer will tie into surrounding demarcation layer associated with completed IRM excavations. The demarcation layer will consist of orange snow fencing material, geotextile, or equivalent material.

As-built documentation from a NYS licensed land surveyor will be provided for all restored Engineering Controls, per Section G-11 of the ISMP/EWP. The surveyor will coordinate with the excavation contractor to obtain as-built documentation without entering the excavation.

5.12 Backfill from Off-Site Sources (EWP G-12)

Following placement of the precast concrete foundations, the excavations will be backfilled with approved imported fill. All material to be used as backfill from off-site sources have been approved by the NYSDEC and "Request to Import/Reuse Fill or Soil forms" have been submitted to the NYSDEC.

5.13 Stormwater Pollution Prevention (EWP G-13)

A Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) has been submitted to the NYSDEC Division of Water (DOW) for the FFC project by ECSD. No changes have been made to the SWPPP.

5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during soil excavation, or if groundwater is encountered and ponds within the excavation, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. Daily CAMP monitoring data will be provided to NYSDEC.

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The construction activities have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent to the work zone as shown in Appendix A. The following controls will be implemented, as applicable, for community protection:

- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that excavating or soil load-out occurs.

CAMP monitoring equipment will be placed in the vicinity of the active work area to monitor particulate concentration. Monitoring locations will be adjusted daily based on the wind direction. Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to reduce or eliminate dust or airborne particulates during ground intrusive activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

The work area will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures will include temporary fencing around the work zone to prevent access to the work zone by unauthorized personnel.

S:\Sterling\Projects\2021 Projects\Elmira High School - 2021-01\Reports\ISMP Notifications\Discus Area\2023-02-24 Light Pole Bases\2023-04-21_c808022_Discus-Shotput ISMP_Addendum 1.docx

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APPENDIX A

LIGHT POLE LOCATIONS

CAMP Monitoring stations to be located upwind and downwind of ISMP Work Area. Station locations to be adjusted daily based on wind direction.

Light pole bases extending below demarcation layer.

SITE IMPROVEMENT NOTES

1. PROVIDE 5' THICK FIBER REINFORCED CONCRETE SIDEWALK AND SUBBASE, SEE DETAIL 1/L6.4.
2. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 2/L6.4.
3. PROVIDE 6' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4
4. PROVIDE 4' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4. FENCE AROUND TRACK TO HAVE BOTTOM RAIL.
5. PROVIDE VINYL COATED, 10' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
6. PROVIDE VINYL COATED, 4' WIDE, SINGLE MAN GATE WITH STRONG ARM LATCH, SEE DETAIL 5/L6.4.
7. PROVIDE CUSTOM CROSS KNOTLESS NETTING BY SPORTSFIELD SPECIALTIES ON EXISTING POLES. NETTING TO TIE INTO TOP OF CHAINLINK FENCE TO TOP OF EXISTING POLES. VERIFY TOTAL HEIGHT OF EXISTING BASEBALL NETTING POLES IN FIELD.
8. PROVIDE CONCRETE MOW STRIP UNDER FENCE, SEE DETAIL 7/L6.4.
9. PROVIDE HOME GRANDSTAND, CONCRETE PAD, AND FOUNDATIONS. SEE DETAIL 1/L7.1.
10. PROVIDE ALL ALUMINUM SUPPORTED VISITOR BLEACHERS, CONCRETE PAD, AND MEDIA PLATFORM, SEE DETAILS ON SHEET L7.2.
11. PROVIDE TRACK SURFACING TO BE BLACK WITH CUSTOM COLOR EXCHANGE ZONES, SEE SPECIFICATIONS. COORDINATE ELEVATIONS WITH SURFACING INSTALLER. SEE DETAIL 8+12/L6.5.
12. PROVIDE SYNTHETIC TURF SYSTEM INCLUDING PAD. GRAPHICS TO INCLUDE CENTER LOGO WITH CUSTOM RED COLOR, AND ZONE LETTERING, (CUSTOM RED LETTERS, WHITE OUTLINE, BLACK BACKGROUND), SIDELINE LETTERING, GHOST 44 YARD LINE, DROP SHADOW YARD NUMBERS INCLUDING RED. SEE DETAIL 1/L6.3, 18/L6.2, AND 9/L6.5. PROVIDE DRAINAGE STONE AND FLAT PANEL DRAIN AND CURBING. CUSTOM RED COLOR TO BE PANTONE 1955C.
13. PROVIDE 8' TALL REMOVABLE BACKDROP BALL NETTING BY SPORTSFIELD SPECIALTIES. PROVIDE BREAKS IN NETS AT CORNERS, SEE DETAIL 3/L6.5.
14. PROVIDE FLUSH CONCRETE CURB NAILER AT D-ZONES. PROVIDE THE 8' TALL BACKDROP BALL NETTING CENTERED IN CONCRETE, SEE DETAIL 3+15/L6.5.
15. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD / VIDEO BOARD FOR STADIUM, SEE DETAIL 10/L6.4.
16. PROVIDE PLAY CLOCKS, POSTS, AND FOUNDATIONS AT ENDS OF D-ZONES, SEE DETAIL 9/L6.4.
17. PROVIDE YELLOW ROTATING FIELD GOAL POSTS AND PADS WITH LETTERING. SEE DETAIL 1/L6.5.
18. PROVIDE SOCCER GOALS WITH SAFETY SYSTEM AND MOBILITY KIT BY SPORTSFIELD SPECIALTIES.
19. PRESSBOX / FIELDHOUSE #1 SEE ARCHITECTURAL DRAWINGS.
20. PROVIDE STEEPLECHASE PIT USING MODULAR FORMING SYSTEM, PIT HURDLE, PIT COVERS, AND 4 STEEPLE BARRIER SET, SEE DETAIL 4/L6.3.
21. PROVIDE JUMP PITS, SAND CATCHES, AND COVERS, SEE DETAIL 4/L6.5
22. MEMORIAL WALL. SEE ARCH.
23. PROVIDE POLE VAULT RUNWAY STRIPING, PLANT BOX, AND STANDARDS FORMING KIT BY SPORTSFIELD SPECIALTIES, SEE DETAIL 7/L6.5.
24. PROVIDE DISCUS THROW RING, CAGE, NETTING, AND 14' TALL EXTENSION NETTING BY SPORTSFIELD SPECIALTIES, SEE DETAIL 10+1/L6.5.
25. PROVIDE SHOT PUT THROW RING CAGE, NETTING, AND STONE DUST LANDING AREA, SEE DETAIL 5,6+8/L6.5.
26. (ALTERNATE 3) - PROVIDE (5) CHARLIE TABLES BY LANDSCAPE FORMS. MOUNT TABLES TO ASPHALT VIA DRILLING AND GROUT.
27. PROVIDE 35-FOOT-TALL FLAG POLE, SEE DETAIL 6/L6.4
28. PROVIDE 8' WIDE 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
29. PROVIDE 20' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
30. PROVIDE 3'x3' VINYL COATED CHAINLINK DOOR THROUGH FENCE AT 24' ABOVE GRADE AT LOCATIONS SHOWN. DOORS TO BE EQUIPPED WITH STRONG ARM LATCH.
31. PROVIDE MEMORIAL BOULDER ON 8" THICK CONCRETE PAD, SEE DETAIL 2/L6.3. BOULDER REINSTALLED BY SOIL REMEDIATION CONTRACTOR.
32. PROVIDE CONCRETE PAD, SEE STRUCTURAL DETAIL 7/S3.1.
33. PROVIDE 4" DEEP COMPACTED CRUSHER RUN ON MIRAFI 500X AS SHOWN OR APPROVED EQUAL.
34. PROVIDE ACCESSIBLE LINE STRIPING, SYMBOLS, AND SIGNAGE AS SHOWN, SEE DETAIL 6/L6.4.
35. PROVIDE 4" WIDE WHITE LINE STRIPING.CONFIRM STRIPING COLOR AND LAYOUT WITH OWNER PRIOR TO STRIPING.
36. PROVIDE "AUTHORIZED VEHICLES ONLY" SIGNAGE, SEE DETAIL 13/L6.5.
37. PROVIDE STOP SIGN AND STOP BAR, SEE DETAIL 12/L6.4.
38. PROVIDE DIRECTIONAL ARROW LINE PAVEMENT MARKINGS TYPICAL AS SHOWN, SEE DETAIL 1 6/L6.5.
39. PROVIDE 6" - 12" DIA. RIP-RAP ON GEOTEXTILE FABRIC, SEE DETAIL 3/L6.3.
40. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD FOR BASEBALL, SEE DETAIL 1 1/L6.4.
41. NOT USED.
42. PROVIDE 14' WIDE, 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
43. PROVIDE 24' WIDE 6' TALL TRANSPORT 11 MAJESTIC SLIDE GATE BY AMERISTAR OR APPROVED EQUAL, SEE DETAIL 8/L6.3.
44. PROVIDE 6' TALL, MONTAGE PLUS FENCING BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 6/L6.3. SEE ARCH DRAWINGS FOR PILLARS.
45. PROVIDE TACTILE WARNING AND CURB RAMP, SEE DETAIL 9/L6.3.
46. PROVIDE 9' TALL VINYL COATED CHAINLINK FENCE WITH BLACK PRIVACY SLATS. FENCE TO BE BASE PLATE MOUNTED TO CONCRETE SIDEWALK - COLOR BLACK, SEE DETAIL 3/L6.4.
47. PROVIDE FOUR BOLLARDS AROUND TRANSFORMER, SEE DETAIL 2/L6.2 #10/L6.3.
48. PROVIDE INTEGRAL CONCRETE CURB, SEE DETAIL 11/L6.3.
49. NOT USED.
50. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE, COLOR BLACK, SEE DETAIL 3/L6.4.
51. PROVIDE ASPHALT PAVEMENT AND SUBBASE TO MATCH WHAT IS IN STREET SECTION.
52. PROVIDE LIGHT POLES, FIXTURES, AND POLE BASES. SEE ELECTRICAL PLANS, SEE DETAIL 2/L6.2.
53. NOT USED
54. PROVIDE VINYL COATED, 12' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH. SEE DETAIL 4/L6.4.

GENERAL NOTES:
1. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.

1 **SITE IMPROVEMENT PLAN**
SCALE: 1"=30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

DRAWN BY :	SSV
CHECKED BY :	LG
DATE :	6/30/2020
SCALE :	AS NOTED

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	95%ED FOR BID	
2	12/29/2020	REISSUED FOR BID	
3			
4			
5			
6			
7			
8			

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Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architect's Seal, Is A Violation Of Section 7209, Of The New York State Education Law.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 Ph 607-358-1000 Rochester | Horseheads | Towanda

SITE IMPROVEMENT PLAN
ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS
ELMIRA CITY SCHOOL DISTRICT
777 SOUTH MAIN STREET, ELMIRA, NY 14904

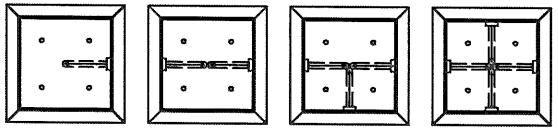
L2.1
PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010 6/2023 / FIELDHOUSE #1 SED # 07-06-00-01-2-044-002 / FIELDHOUSE #2 SED # 07-06-00-01-7-079-001 / PRESSBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-079-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-081-001

APPENDIX B

LIGHT POLE INSTALLATION DETAIL

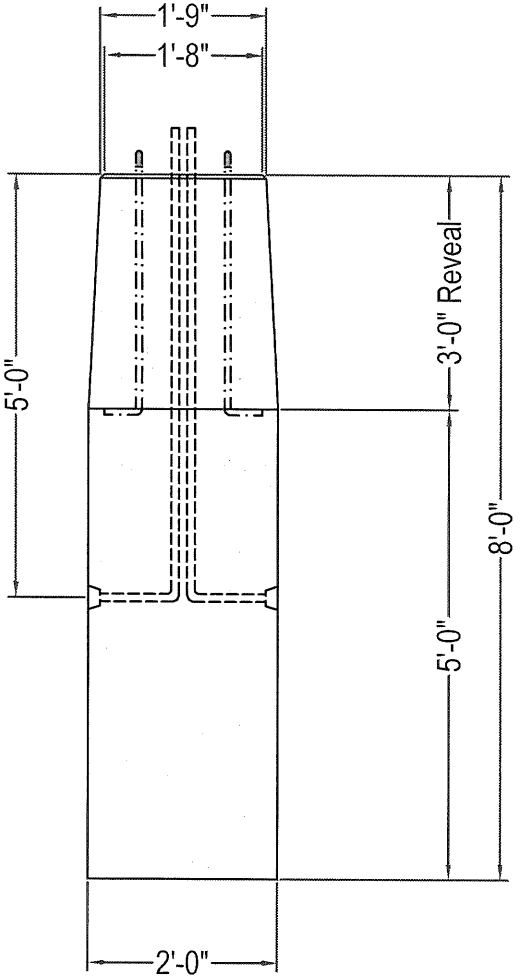
Typical Conduit Directions



TAPERED LIGHT POLE BASE

NOTES:

CONCRETE: 5000 psi @ 28 days
REF: 4ea - #5 rebar in vertical direction
#4 rebar @ 12" o.c. in horizontal direction
3" clearance from all sides
CHAMFER: all exposed edges
Contractor to supply ZWV with all conduits, anchor bolts, and templates



Zeiser
Wilbert
VAULT, INC.
CONCRETE PRODUCTS

750 Howard Street Elmira, NY 14904
Fax: (607) 737-0291
Phone: (607) 733-0568
1-800-472-4335

Title: Tapered Light Pole Base

Scale: Not To Scale

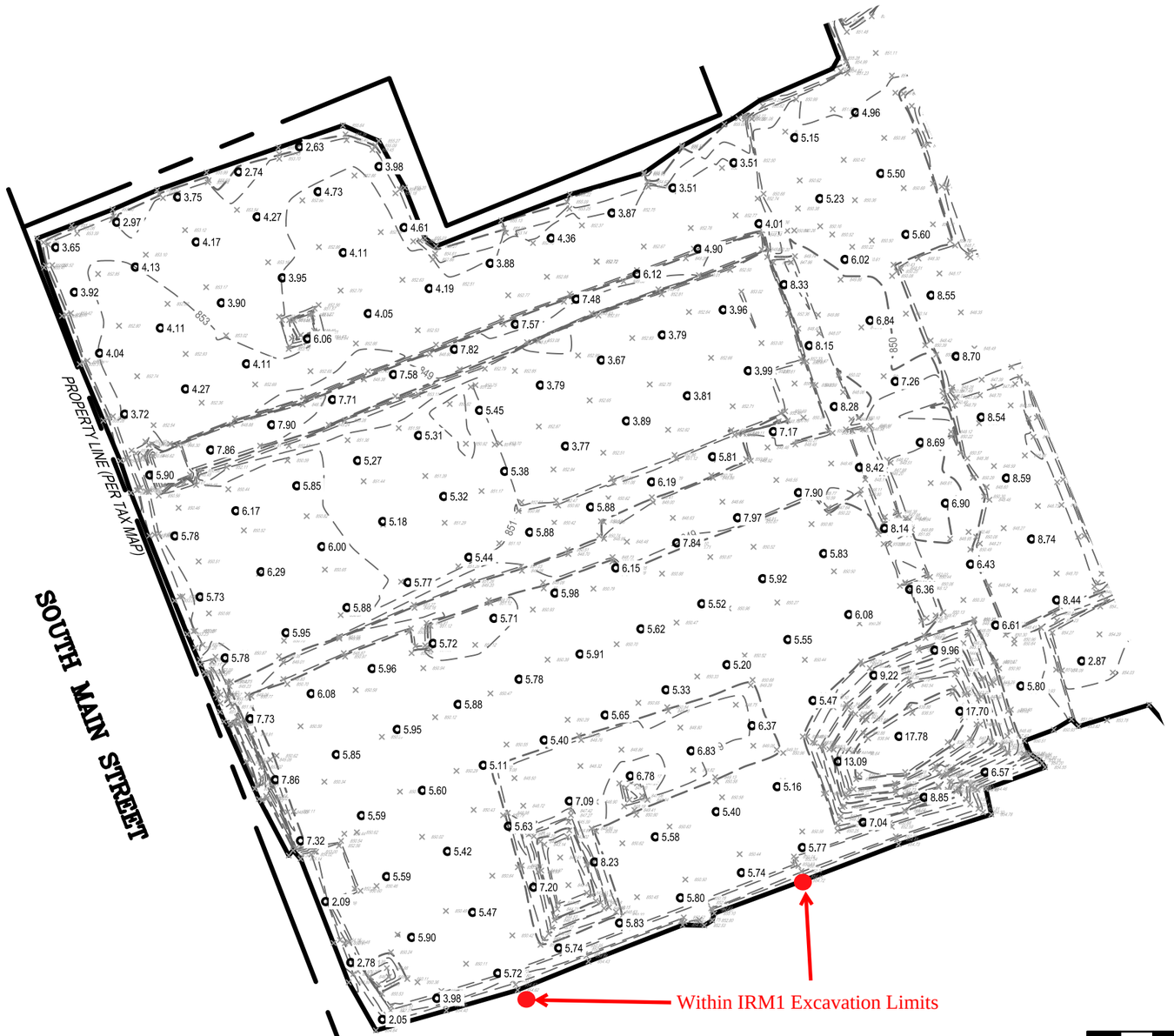
Drawn By: JPS

Drawing No.: 02140900

Date: 2-24-09

APPENDIX C

SUMMARY OF ENVIRONMENTAL CONDITIONS
COMPLETED IRM EXCAVATION LIMITS



LEGEND:

- CONCRETE MONUMENT
- EXISTING IRON PIN
- EXISTING IRON PIPE
- 5/8" REBAR WITH SURVEY CAP SET
- MANHOLE
- CATCH BASIN
- WATER OR GAS VALVE
- UTILITY POLE
- UTILITY POLE W/STREET LIGHT
- UTILITY POLE ANCHOR
- FIRE HYDRANT
- STREET SIGN
- BURIED CABLE MARKER
- SURVEY CONTROL POINT
- FENCE LINE
- CONTOUR LINE
- × 849.31 NAVD88 GROUND ELEVATION IN FEET
- 3.09 FILL DEPTH SPOT LOCATIONS

GRID NORTH — STATE PLANE, NYC

SCALE: 1" = 50'

0 25 50 100 150

NOTES:

– SUB GRADE SURFACE REFLECTS FIELD LOCATIONS MADE 11–4, 11–10, 11–17 & 12–10 2021 AND 3–4, 3–28, 4–5, 6–14, 6–22, 7–1, 7–19, 8–5, 8–22, 9–2, 9–8 & 9–26 2022

– FILL DEPTH SPOT LOCATIONS WERE DERIVED FROM THE COMPARISON OF 3D SURFACES. SUB GRADE 3D SURFACE WAS CREATED FROM SURVEY MEASUREMENTS TAKEN WHEN EXCAVATION WAS AT FULL DEPTH AND PROPOSED FINISHED GRADE 3D SURFACE WAS PROVIDED. THE SUBSEQUENT COMPARISON OF THESE TWO 3D SURFACES RESULTS IN THE FILL DEPTHS (SOIL COVER) SHOWN.

– PROPOSED FINISHED GRADE SURFACE PROVIDED BY HUNT–EAS SEE BID DOCUMENTS FOR PROJECT NUMBERS 2012–228 & 2012–238.

DATE 10-14-2022

HUNT
ENGINEERS • ARCHITECTS • SURVEYORS
AIRPORT CORPORATE PARK, 100 HUNT CENTER
HORSEHEADS, NEW YORK 14845
607•358•1000
FAX•358•1800

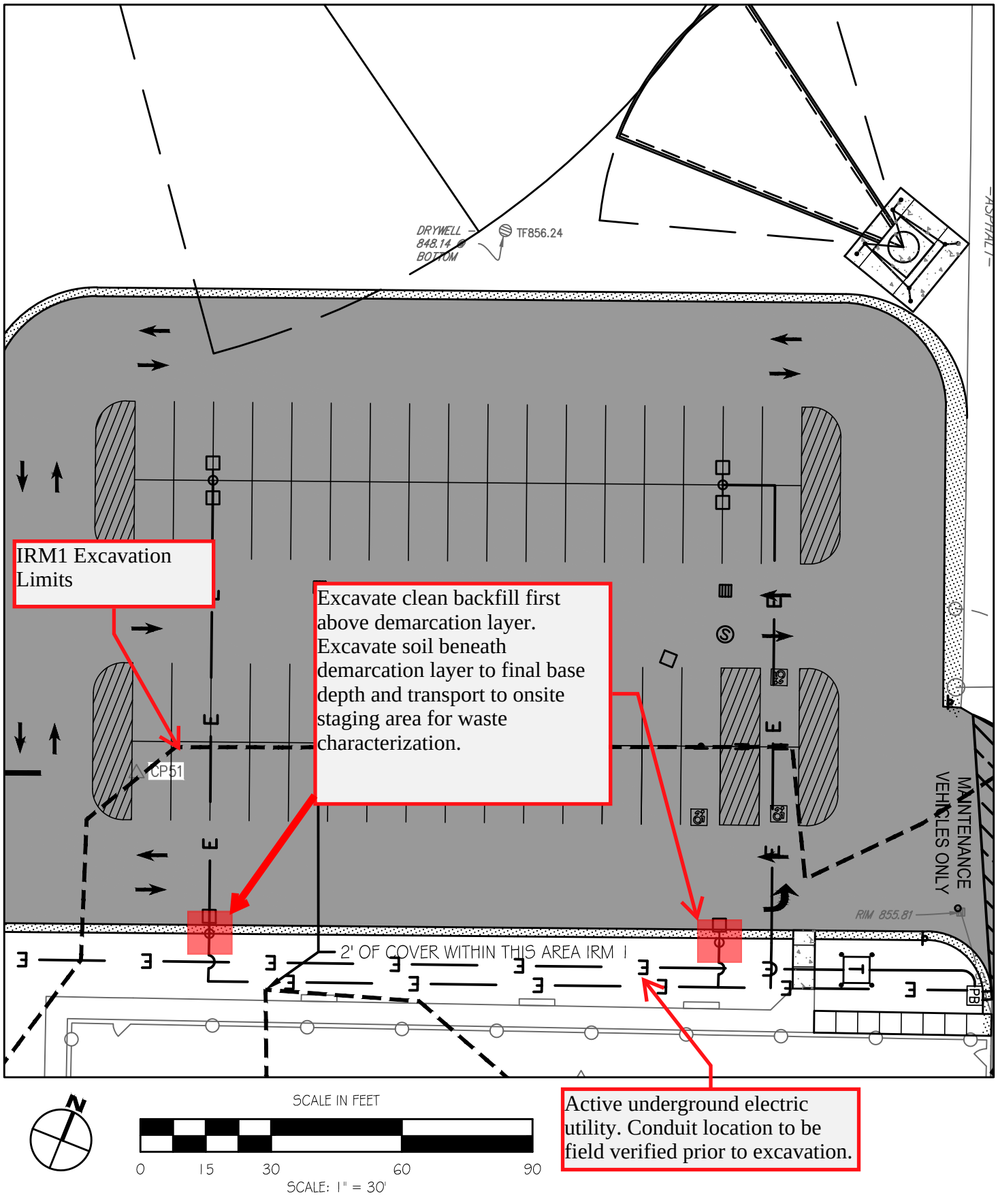
SOIL COVER TO FINISHED GRADE

IRM5A2 REMEDIATION AREA

SHOT & DISCUS AREA / PARKING LOT AREA

ELMIRA HIGH SCHOOL

SCALE:	DWG.BY:	CHK.BY:	TAX PARCEL NO:	JOB NO:
1" = 50'	S.D.L.			5659–004



LIGHT POLE IRM 1

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS

ELMIRA CITY SCHOOL DISTRICT

777 SOUTH MAIN STREET, ELMIRA, NY, 14904

Copyright: 2020

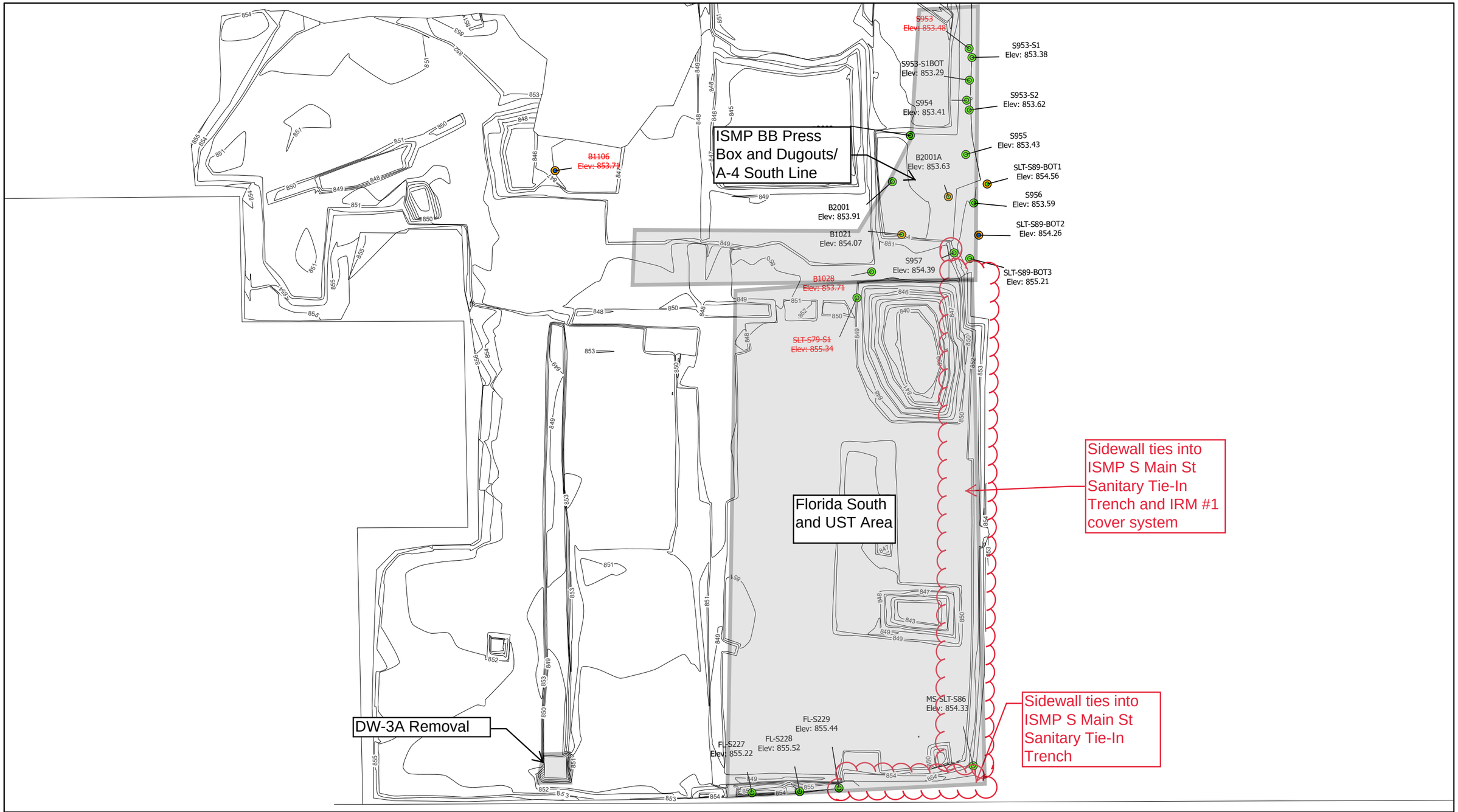
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950
TOWANDA, PA 570 - 265 - 4868

DATE: 3/8/23

PROJECT NO: 2012.228

APPENDIX D

SUMMARY OF ENVIRONMENTAL CONDITIONS
IRM COMPLETION DATA MAPS



- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

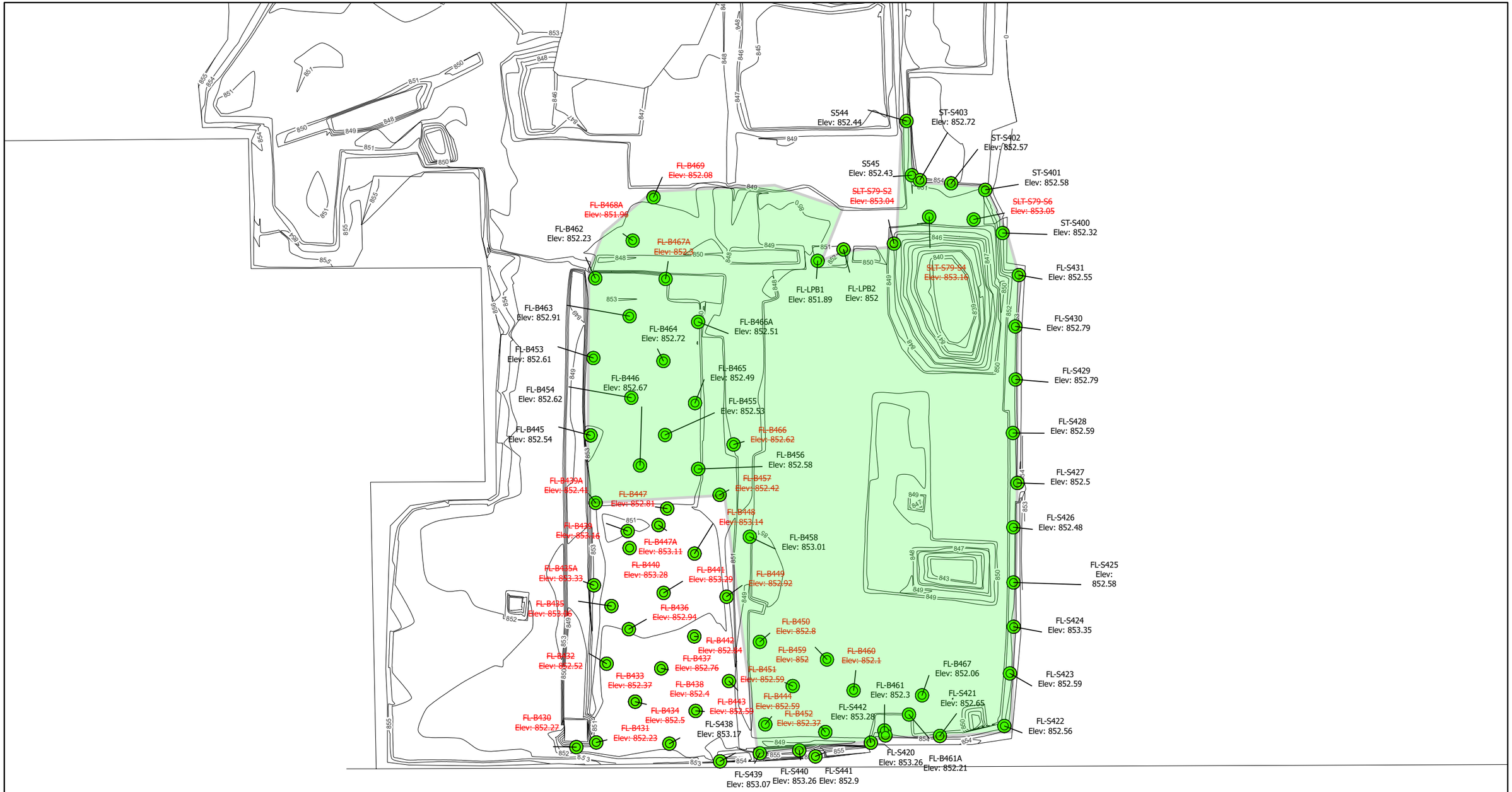
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Minneapolis, MN | September 2022

Figure 1A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Southern.aprx



Exceeds PoG Action Level

Does Not Exceed PoG Action Level

PCBs Concentrations

TOTAL PCBs (mg/kg)

- < 10
- 10 - 50
- > 50

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - PCBs (2-4 ft bgs)

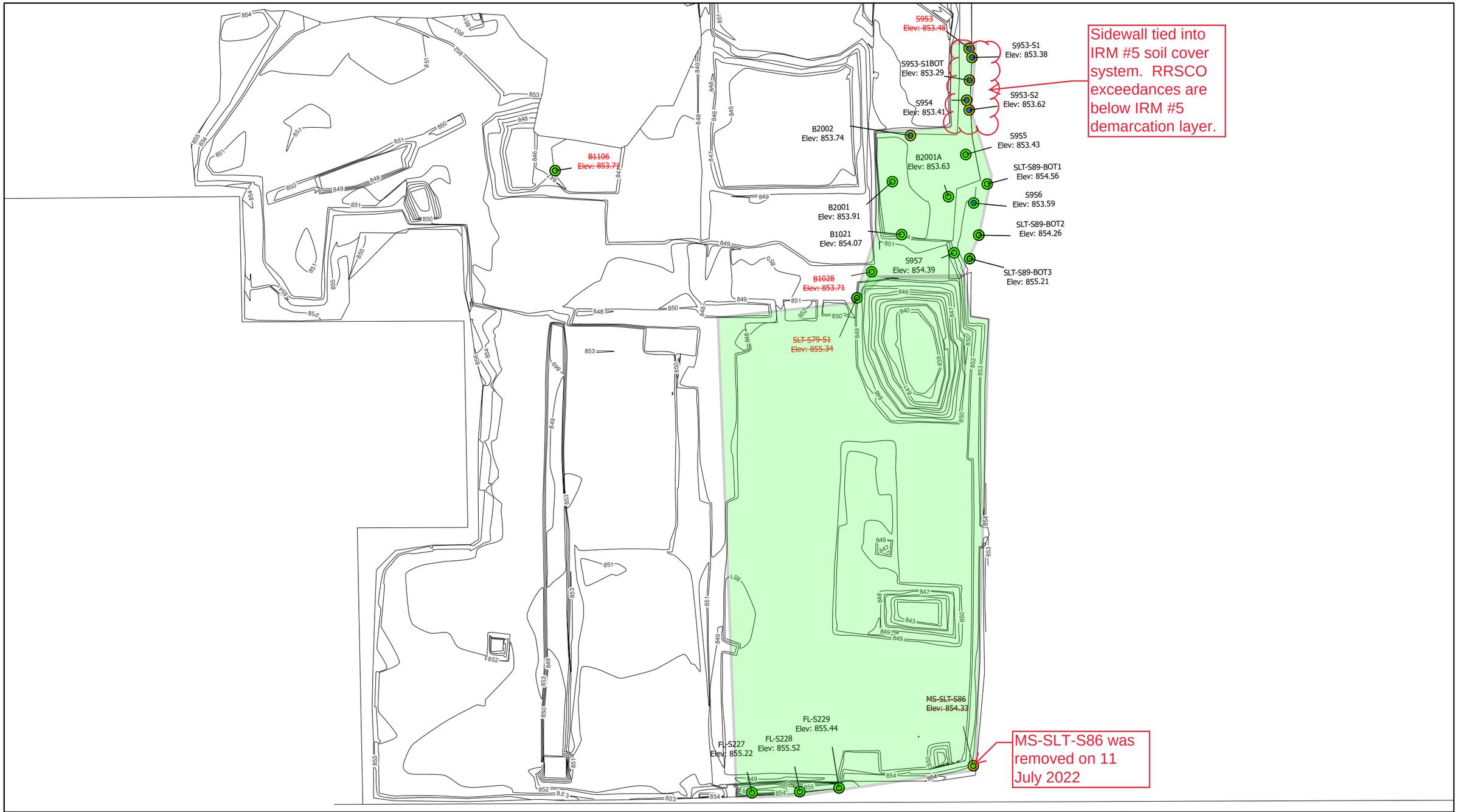
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 1B

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- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - Metals (0-2 ft bgs)

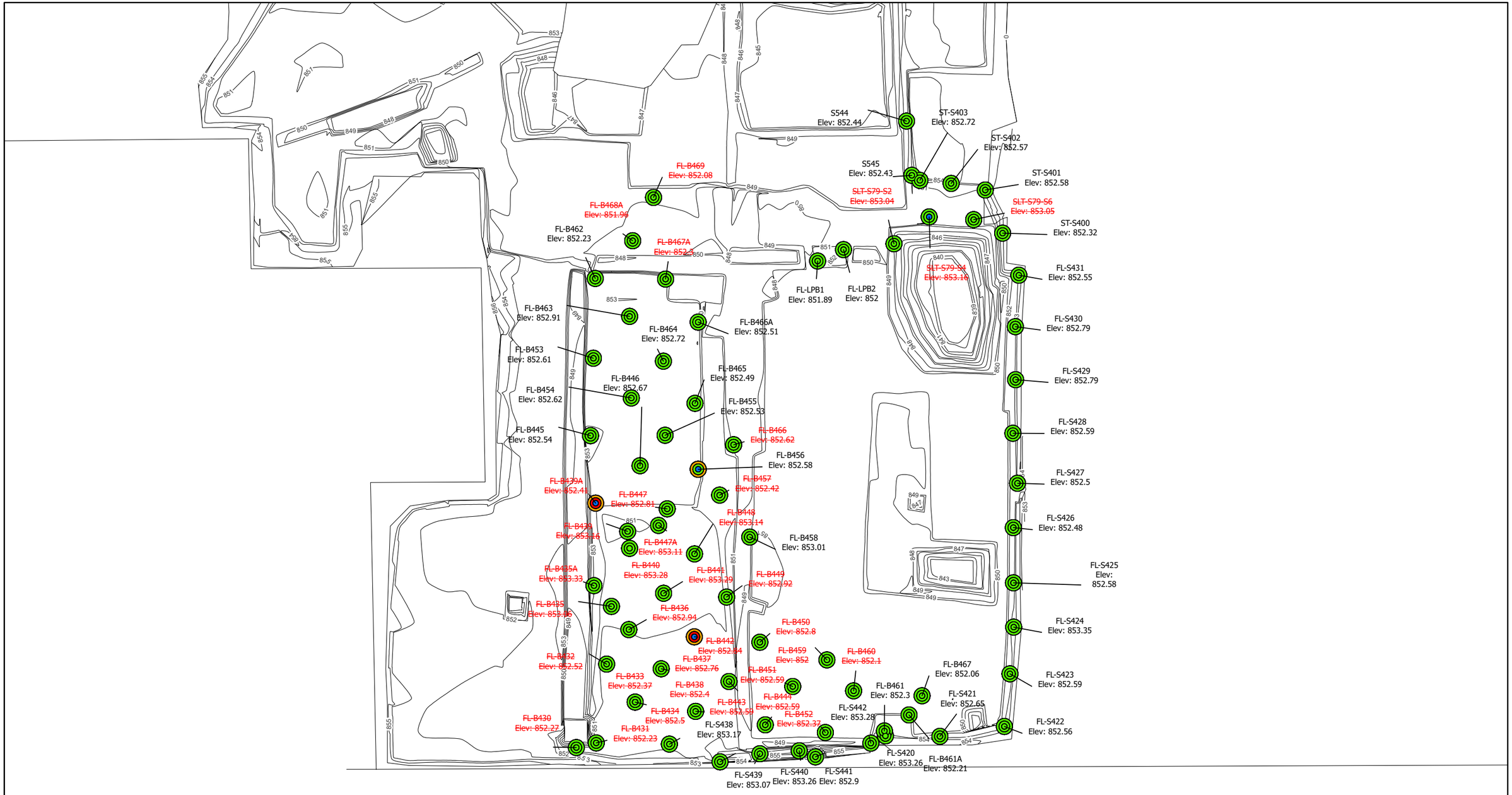
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 2A

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- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - Metals (2-4 ft bgs)

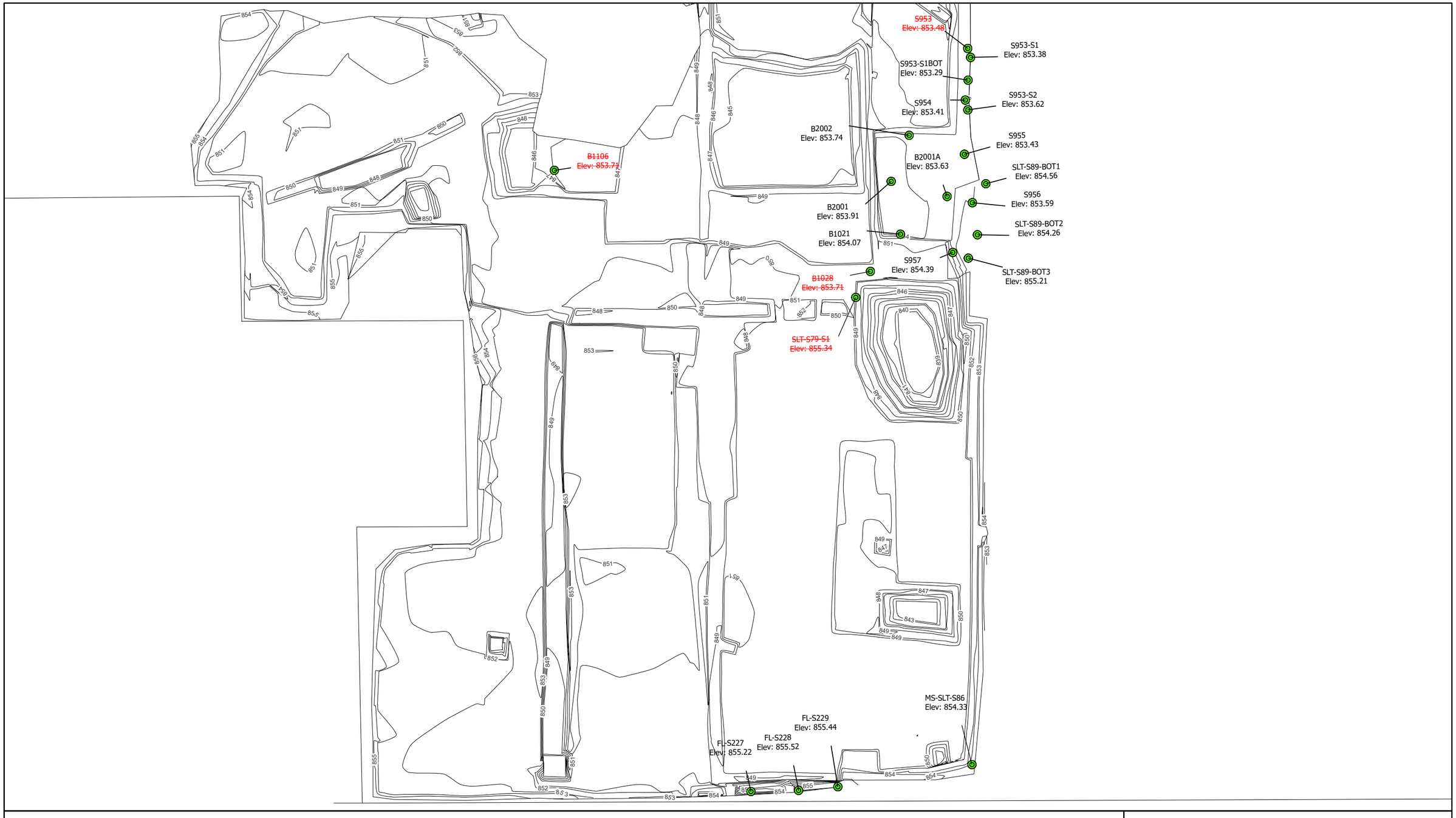
IRM5A
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 2B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Southern.aprx



- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO

—— As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

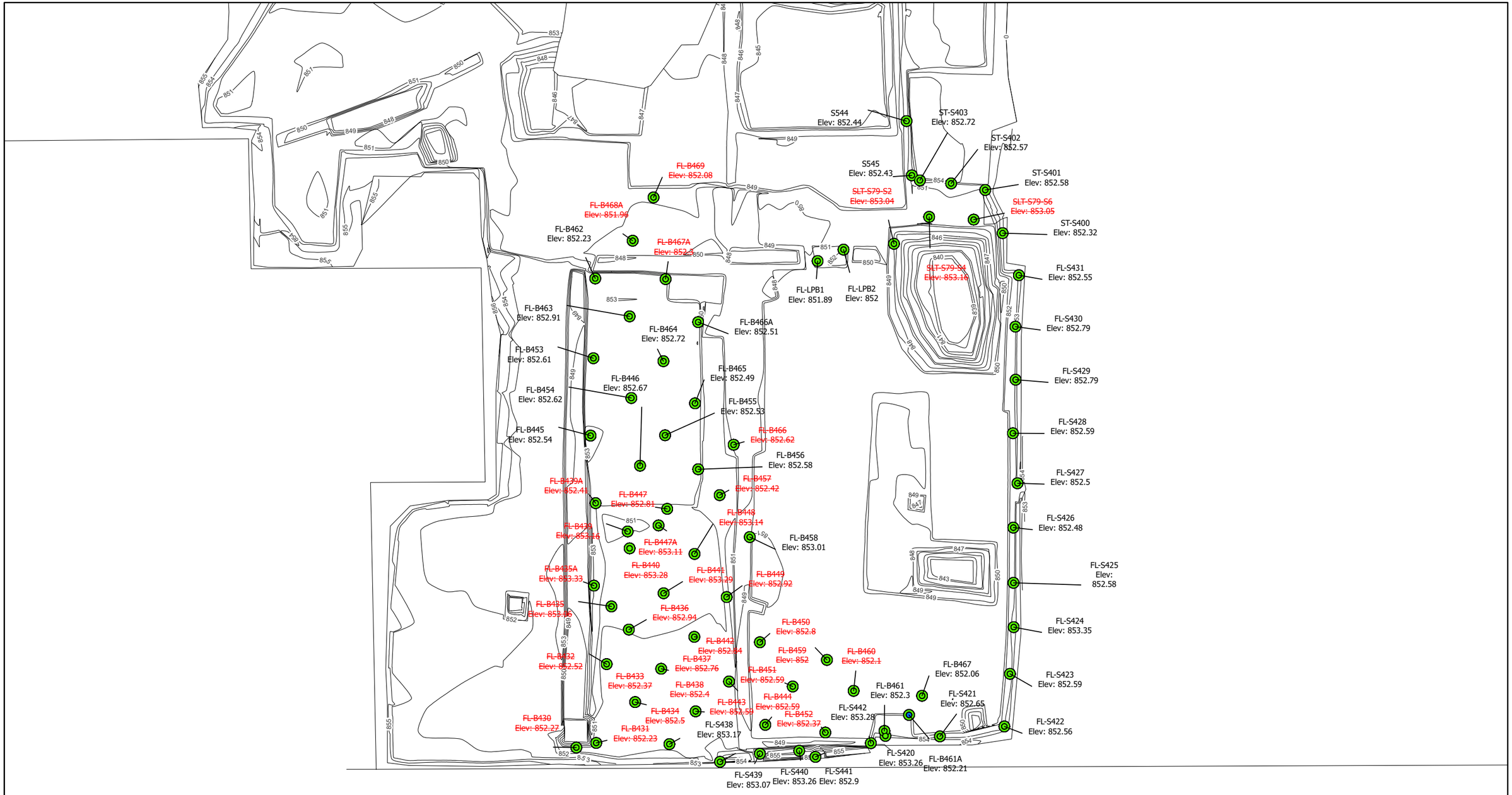
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 3A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Southern.aprx



- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
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SVOCs - Semivolatile organic compounds
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SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 50 Feet

Confirmation Samples - VOCs (2-4 ft bgs)

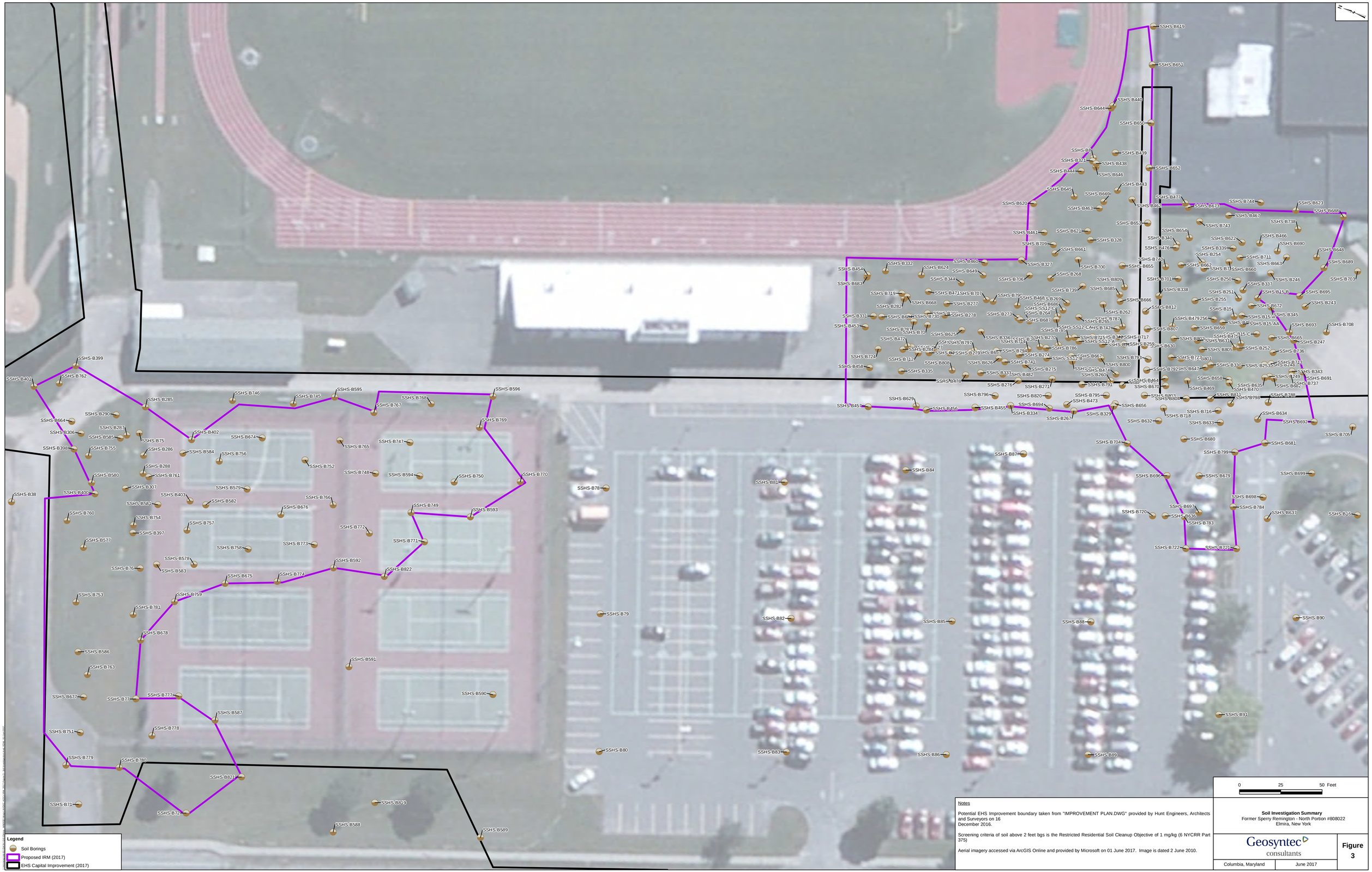
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

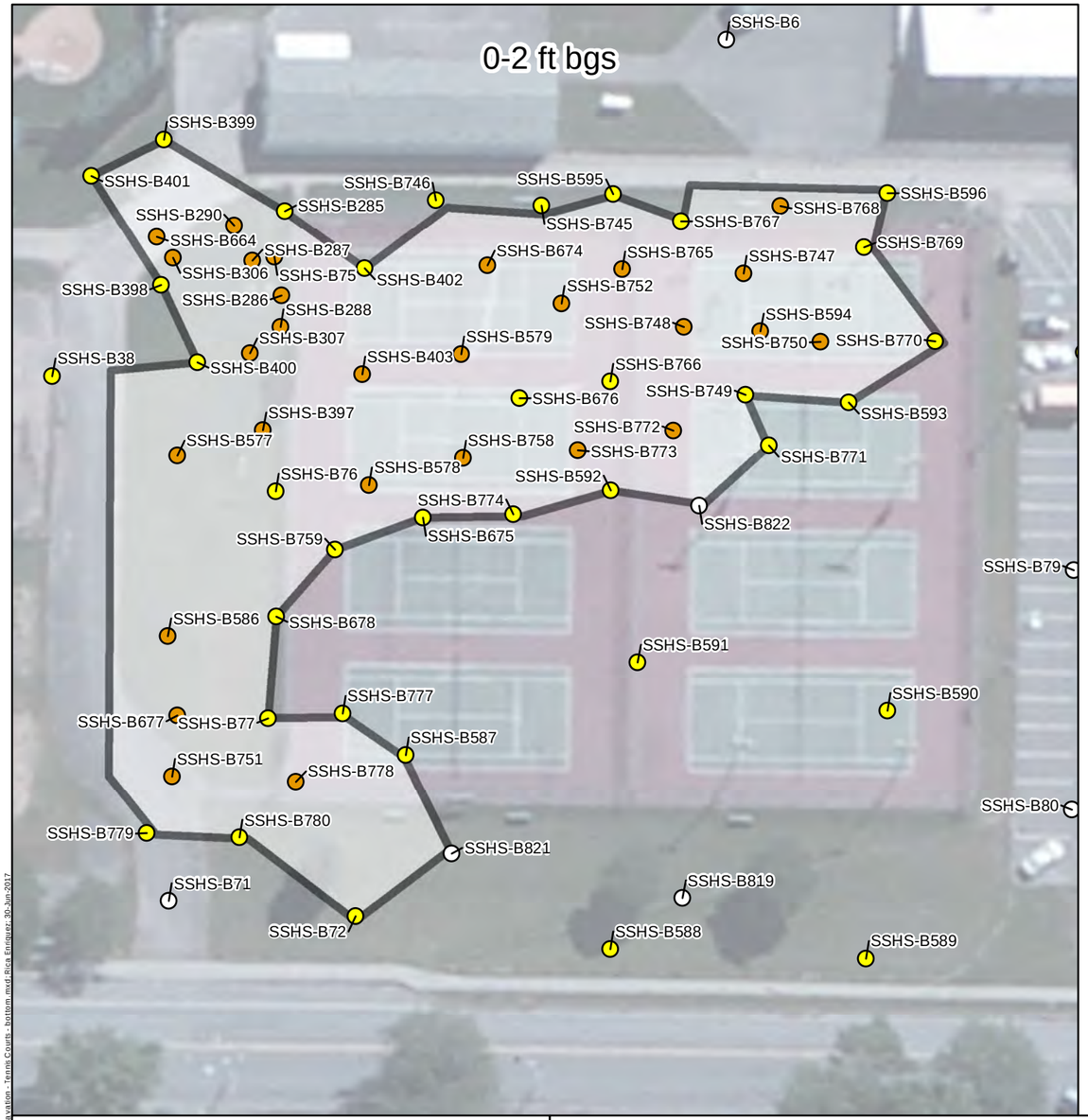
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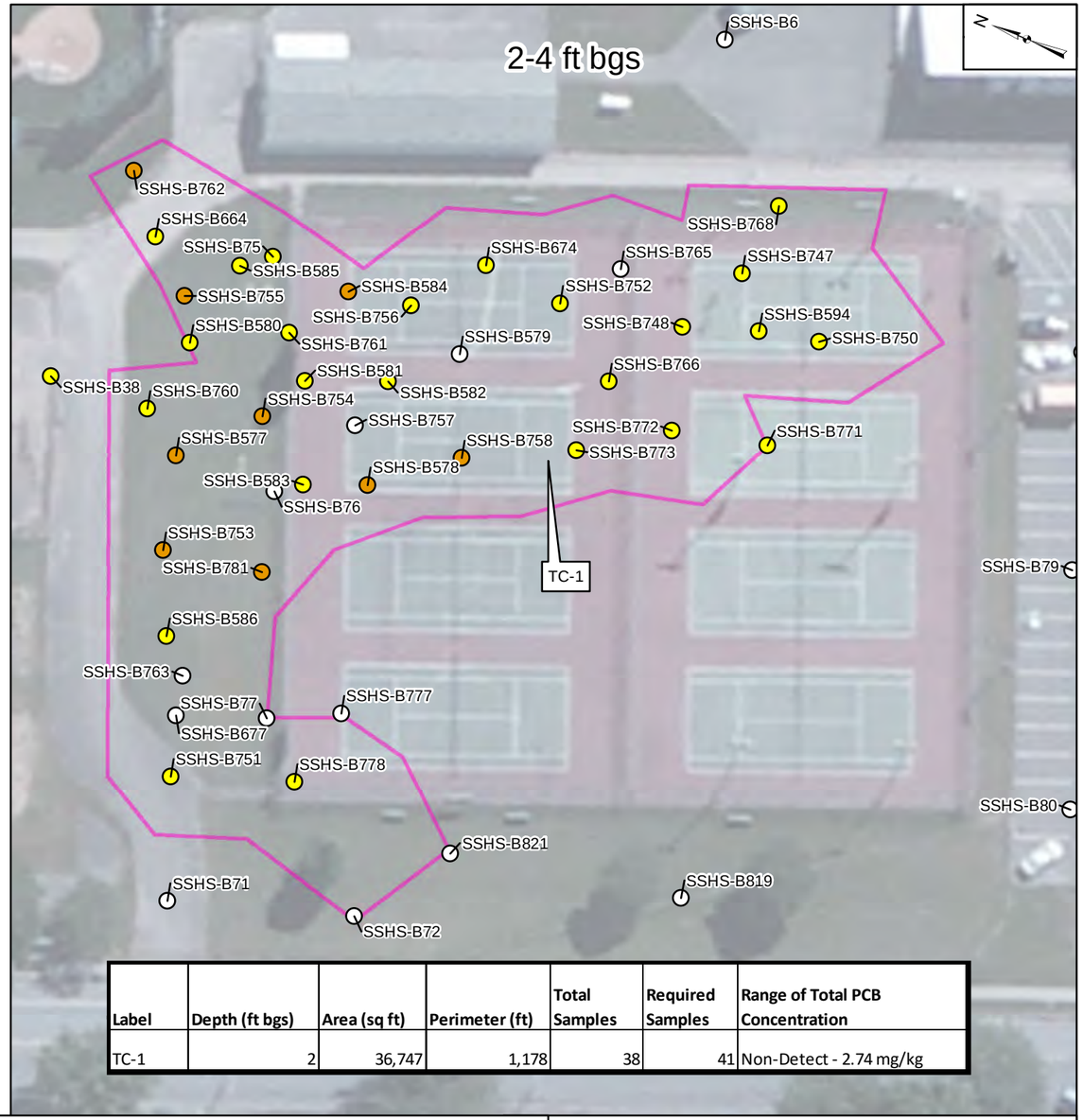
Minneapolis, MN | September 2022

Figure 3B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Southern.aprx


SSHS-B619
SSHS-B651
SSHS-B440
SSHS-B644
SSHS-B650
SSHS-B439
SSHS-B438
SSHS-B652
SSHS-B646
SSHS-B443
SSHS-B669
SSHS-B477
SSHS-B744
SSHS-B623
SSHS-B620
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SSHS-B467
SSHS-B655
SSHS-B743
SSHS-B738
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SSHS-B677
SSHS-B77
SSHS-B777
SSHS-B590
SSHS-B587
SSHS-B751
SSHS-B778
SSHS-B779
SSHS-B780
SSHS-B821
SSHS-B71
SSHS-B72
SSHS-B819
SSHS-B588
SSHS-B589
N
Legend
Soil Borings
Proposed IRM (2017)
EHS Capital Improvement (2017)
0
25
50 Feet
Notes
Potential EHS Improvement boundary taken from "IMPROVEMENT PLAN.DWG" provided by Hunt Engineers, Architects and Surveyors on 16 December 2016.
Screening criteria of soil above 2 feet bgs is the Restricted Residential Soil Cleanup Objective of 1 mg/kg (6 NYCRR Part 375)
Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 01 June 2017. Image is dated 2 June 2010.
Soil Investigation Summary
Former Sperry Remington - North Portion #808022
Elmira, New York
Geosyntec consultants
Columbia, Maryland
June 2017
Figure 3





Label	Depth (ft bgs)	Area (sq ft)	Perimeter (ft)	Total Samples	Required Samples	Range of Total PCB Concentration
TC-1	2	36,747	1,178	38	41	Non-Detect - 2.74 mg/kg

Legend

Total PCB Concentration

- Non-Detect
- >0 to 1 mg/kg
- >1 to 10 mg/kg
- >10 to 50 mg/kg
- >50 mg/kg

- Proposed Limits of Excavation (2 ft bgs)
- Proposed Excavation Bottom (2 ft bgs)

Notes
PCB - Polychlorinated Biphenyl
ft bgs - Feet below ground surface
mg/kg - milligram per kilogram

Screening criteria of soil above 2 feet bgs is the Restricted Residential Soil Cleanup Objective of 1 mg/kg (6 NYCRR Part 375)

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 30 June 2017. Image is dated 2 June 2010.

50 25 0 50 Feet

Proposed Bottom Samples - Tennis Courts

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec consultants

Columbia, Maryland | June 2017

Figure 4

J:\mlmmaps\ds-01\DATA\GIS\Elmira - #808083\Maps\NYDEC AOCs\APR 2017\Excavation - Tennis Courts - bottom.mxd Rick Eichhorn 30-Jun-2017

APPENDIX E

TRUCK HAUL ROUTE



FRA Fence

EHS Site Boundary

STCC Property Boundary

0 137.5 275 550 825 Feet

Notes and Disclaimer

Georeferenced items may include historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Source Imagery: NearMap (Image Date: April 2, 2022)

STCC - Southern Tier Commerce Center FRA - Former Recreation Area ft bgs - feet below ground surface

Site Map
IRM #5 - Amendment #6

Former Sperry Remington Site – North Portion
Elmira, New York

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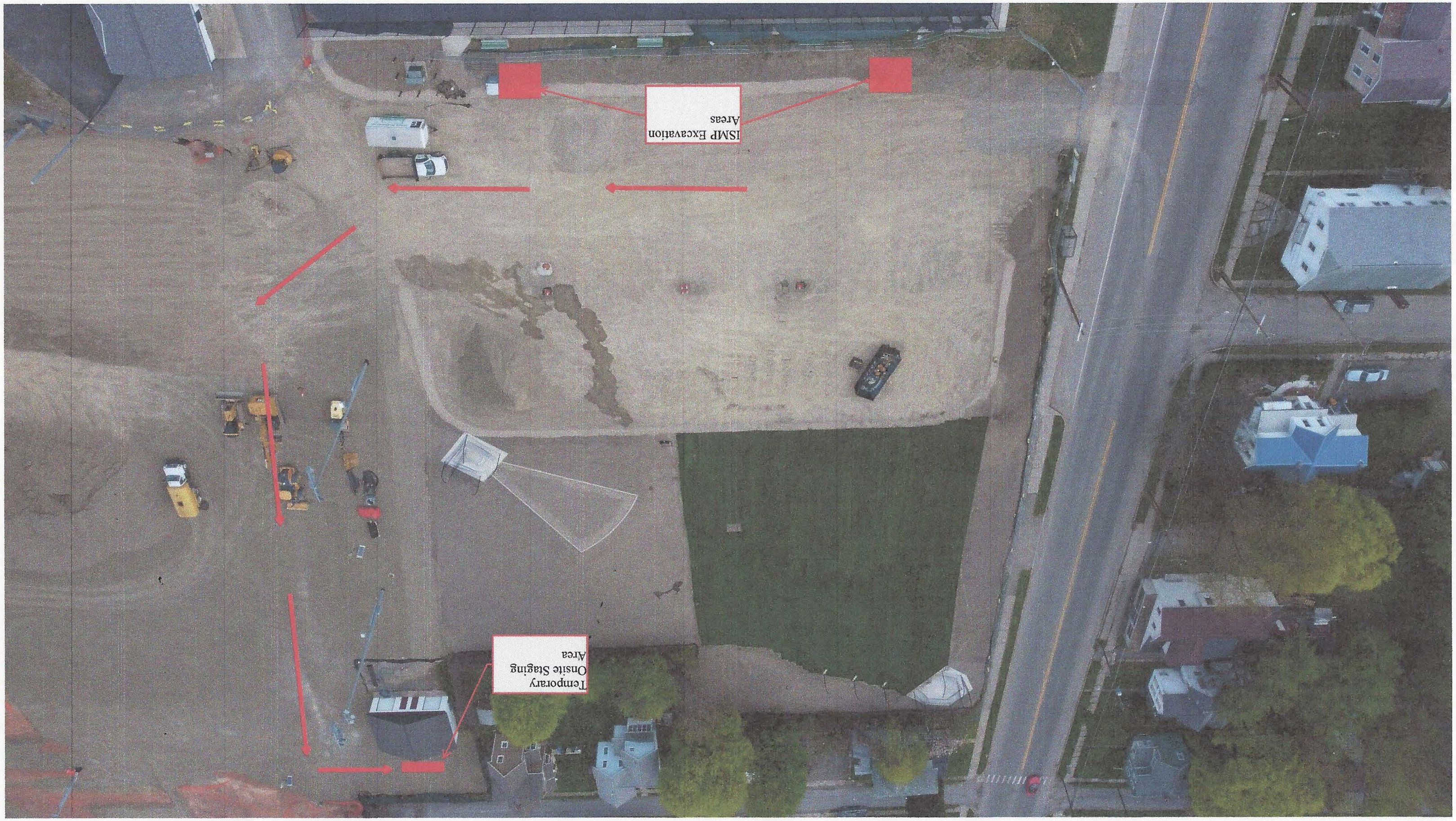
Columbia, Maryland | November 2022

Figure **1**

\\Minneapolis\Work\GIS\Elmira - #1993\Maps\Addendum #1\Figure 1 - Site Map.mxd 2-Nov-2022

ISMP Activity Tracking Form
Former Sperry-Remington Site
NYSDEC #c808022

1. ISMP ACTIVITY NAME:	Discus-Shotput Area Addendum #1 (Light Pole Bases)
2. APPROVED ISMP NOTICE, PLANS, AND DETAILS: • List All Changes Approved by NYSDEC PM:	ISMP Notification/Workplan for Discus-Shotput Area Addendum #1 – Approved as Modified April 26, 2023. Work includes excavation and soil management for installation of two light pole bases that will extend below demarcation layer. -Uncharacterized soil to be containerized in lined roll-off container for temporary staging at pre-approved location (see attached) to allow for waste characterization and offsite disposal.
3. CAMP REQUIRED (YES/NO)	Yes. Upwind and Downwind particulate monitoring. May be modified to include PCB and/or VOC based on any changes to site conditions.
4. CONFIRMATION SAMPLING REQUIRED: (YES/NO) • If "Yes", Describe.	Yes, documentation samples must be collected. One sample from the excavation bottom and four samples from excavation sidewalls (one sample from each sidewall). Sidewall samples must be collected from below demarcation layer. Sample locations and elevations will be surveyed by an NYS licensed surveyor.
5. NYS SURVEY DOCUMENTATION REQUIRED: (YES/NO) • If "Yes", Describe.	Yes, As-Built sample locations, excavation extents, placement of demarcation layer, and cover system restoration will be documented by a NYS licensed land surveyor.
6. ENGINEERING CONTROLS TO BE INSTALLED OR MODIFIED: (YES/NO) • If "Yes", Describe.	Yes, the cover system will be restored above placed demarcation layer consisting of soil and/or concrete for the light pole bases.
7. START DATE:	May 22, 2023 -Construction duration expected to be less than 1 week -Sample data to be received 3 weeks after completion of work -As-built documentation to be submitted 6 weeks after completion of work.
8. ACKNOWLEDGEMENTS (sign/date) • **Engineer of Record** • **QEP** • **ECSD Contractor** • **MACTEC**	Ann Kample 05/18/2023 05/17/2023 Michael R Jamieson 05/19/2023


ISMP Excavation
Areas
Temporary
Onsite Staging
Area

ISMP Activity Tracking Form
Former Sperry-Remington Site
NYSDEC #c808022

1. ISMP ACTIVITY NAME:	Discus-Shotput Area Asphalt Removal
2. APPROVED ISMP NOTICE, PLANS, AND DETAILS: • List All Changes Approved by NYSDEC PM:	ISMP Notification/Workplan for Discus-Shotput Area – Contingent Approval dated November 11, 2022. Work includes removing asphalt pavement from the ground surface. No soil excavation will be performed. The contingent approval requires a 2-foot clean soil cover. Soil cover verification sampling will be performed following asphalt removal. A soil cover verification work plan is being developed for Agency review.
3. CAMP REQUIRED (YES/NO)	Yes. Upwind and Downwind particulate monitoring.
4. CONFIRMATION SAMPLING REQUIRED: (YES/NO) • If "Yes", Describe.	No. This activity is for removal of asphalt pavement only. Following asphalt removal, the area will be subject to soil cover verification sampling under a separate work plan.
5. NYS SURVEY DOCUMENTATION REQUIRED: (YES/NO) • If "Yes", Describe.	No. This activity is for removal of asphalt pavement only. Following asphalt removal, the area will be subject to soil cover verification sampling under a separate work plan.
6. ENGINEERING CONTROLS TO BE INSTALLED OR MODIFIED: (YES/NO) • If "Yes", Describe.	No. This activity is for removal of asphalt pavement only. Following asphalt removal, the area will be restored with concrete sidewalk and vegetative cover after soil cover verification sampling has been completed under a separate work plan.
7. START DATE:	May 22, 2023
8. ACKNOWLEDGEMENTS (sign/date) • **Engineer of Record** • **QEP** • **ECSD Contractor** • **MACTEC**	Ann Kanopka 05/19/2023 05/19/2023 Michael R Gilbertson 05/19/2023

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

Via E-mail

July 3, 2023

Mr. Andrew Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: ISMP Notification/Work Plan Elmira High School Discus-Shotput Area Addendum #2
Former Sperry Remington Site – North Portion (#c808022)
777 South Main Street, City of Elmira, Chemung County, NY

Dear Mr. Millspaugh:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with New York State Department of Health (NYSDOH), has completed its review of the document entitled "IMSP Notification/Work Plan Elmira High School Discus-Shotput Area – Addendum #2", dated June 15, 2023 and **Approve as Modified** below:

General Comment

1. The Agency only authorizes work within the BCP limits, it is ECSD's responsibly to coordinate with adjacent property owners for access to complete modifications to ground cover outside of BCP property limits.
2. Provide calendar schedule for the performance of the removal of the asphalt cover, confirmation sampling, soil cover verification sampling, backfilling of the excavated area and reporting.

Section 5.11 Cover System Restoration (EWP G-11)

3. Installation of a demarcation layer is required below the 6 inches of topsoil surveyed by a NYS licensed land surveyor prior to backfilling.
4. As-Built documentation must define the following:
   a. Detail type of approved cover system
   b. Soil Cover Verification sampling as part of an approved work plan must be conducted prior to restoration and results for the subject area included in the As-Built documentation.
   c. Identify the lateral extent of the cover system including a cross section detail with demarcation layer location and limit for the subject area.
   d. If applicable, soil quality exceedance locations and depth relative to final design grades of applicable clean up objective must be identified (i.e., RRSCO for 0-2 ft bgs and subsurface IRM Action Level for >2 ft bgs).

Section 5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

5. Excavation and soil handling must stop, and the area must be secured in the event native soils are encountered. An additional ISMP notification work plan will be required to continue on-site excavations in native materials.

Section 5.15 Community Air Monitoring Plan (EWP G-15)

6. A figure with the proposed CAMP locations must be provided as part of the activity log for review prior to implementation of this work.

Section 5.19 Access Controls (EWP G-19)

7. Public access to the excavation area must be prevented through access controls until either the backfill of the area is complete, or soil cover verification samples have determined the area meets the restricted residential soil cleanup objectives.

Within 10 days, please elect in writing your acceptance of the above Approved as Modified and provide a calendar schedule including report deliverables. Please contact me at (585) 226-5480 if you have any questions regarding this letter.

Sincerely,



Timothy Schneider, P.E.
Professional Engineer 1

J. Magliocca / S. Cyr
D. Pratt / M. Cruden / K. Zappia
S. Bogardus / J. Deming
K. Krueger / M. Howe / J. Huha

Sterling Environmental Engineering, P.C.

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL DISCUS-SHOTPUT AREA
ELMIRA, NEW YORK

ADDENDUM #2

Prepared for:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared by:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

November 3, 2022

Revisions to ISMP Notification/Work Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	4/21/2023	Updated to include excavation for light pole foundations	4/26/2023
2	6/15/2023	Updated to include revisions to removal and management of asphalt pavement.	

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL DISCUS-SHOTPUT AREA
ELMIRA, NEW YORK

ADDENDUM #1

1.0 INTRODUCTION

This Addendum is submitted to the New York State Department of Environmental Conservation (NYSDEC) because the ISMP Notification/Work Plan for the EHS Discus-Shotput Area dated November 3, 2022, contingently approved by the NYSDEC on November 11, 2022, is being amended to include revisions to the excavation and management of existing asphalt pavement as part of the Capital Improvement Project by the Elmira City School District (ECSD).

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive activity:

1. Approximately 140 sf of existing asphalt will be removed along the western property line between the South Main Street sidewalk and the IRM 5A2 excavation limits (see Appendix A for the asphalt removal location). Approximately 50 sf of existing asphalt is located on ECSD property with the remaining approximately 90 sf located off ECSD property. Existing asphalt and underlying subbase will be removed to a depth of 6-inches for replacement with topsoil and grass. Approximately 0.9 CY of combined asphalt and subbase material will be removed for disposal from ECSD property and approximately 1.7 CY of combined asphalt and subbase material will be removed for disposal from off ECSD property. Historic design drawings are included in Appendix B that show the existing asphalt was scheduled to be constructed with 2 inches of asphalt over 6 inches of compacted subbase.

Asphalt and subbase will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The asphalt removal will occur outside the western limit of the IRM 5A2 excavation and will not remove native soil. Historic design drawings are included in Appendix B that show the existing asphalt was scheduled to be constructed with 2 inches of asphalt over 6 inches of compacted subbase. Asphalt removal will be performed with QEP oversight to confirm asphalt and subbase removal does not extend into native soil. All removed asphalt and subbase will be managed as construction & demolition debris for offsite recycling and/or disposal.

4.0 SCHEDULE

Construction activities described in this addendum will be initiated following NYSDEC approval. A completed ISMP Activity Log will be submitted indicating the actual start date. The work is expected to take approximately one day to complete. Completion documentation, including an as-built survey, is

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expected to be compiled for reporting to NYSDEC within 6 weeks of completing the work.

5.2 Roles and Responsibilities (EWP G-2)

The Roles and Responsibilities are unchanged from the approved ISMP Notification/Work Plan and will be documented in a completed ISMP Activity Log prior to initiating the work. Based on current IRM activities, it is expected that Geosyntec will be unavailable to provide a Qualified Environmental Professional (QEP) for this ISMP activity. Therefore, STERLING will provide a QEP to oversee this ISMP activity, perform community air monitoring, and collect excavation documentation samples.

5.3 Soil Screening Methods (EWP G-3)

Soil screening of all soil removed during construction activities will be performed by a QEP and as described in, and as required by, Section G-3 of the ISMP/EWP. The QEP will observe asphalt and subbase removal to confirm that native soil is not encountered.

5.4 Soil Staging Methods (EWP G-4)

Excavated asphalt and subbase will be staged as described in, and as required by, Section G-4 of the ISMP/EWP. Excavated asphalt and subbase will be loaded directly into an awaiting truck for offsite disposal and/or recycling. Uncharacterized native soil will not be excavated, handled, or transported for offsite storage. CAMP monitoring will be performed during ground intrusive activities by the QEP, as described in Section 5.15.

5.5 Materials Excavation and Load-Out (EWP G-5)

Load-out of excavated soil will be performed by the ECSD contractor, and as described in, and as required by, Section G-5 of the ISMP/EWP. The loaded roll-off truck will be tarped prior to transport offsite for disposal and/or recycling.

5.6 Materials Transport Off-Site (EWP G-6)

Transportation of the excavated asphalt and subbase will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. ECSD's contractor will coordinate offsite disposal and/or recycling of excavated asphalt and subbase.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of excavated soil. No excavation of uncharacterized native soil requiring offsite disposal will occur with this ISMP activity.

5.8 Material Reuse On-Site (EWP G-8)

No excavation of material for onsite reuse will occur with this ISMP activity.

5.9 Confirmation Sampling (EWP G-9)

The approximately 50 sf area of asphalt removal on ECSD property requires soil cover verification to document acceptable soil cover in accordance with ongoing IRM activities. Geosyntec is preparing a soil

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cover verification work plan for sample collection in this area, which will be submitted under separate cover.

5.10 Fluids Management (EWP G-10)

Fluid management is not expected with the proposed ISMP work. Excavations will not extend to the groundwater table and equipment will not come into contact with native soil.

No decontamination will be required.

5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in compliance with Section G-11 of the ISMP/EWP by installing 6 inches of topsoil with seed to establish a vegetated surface. The approximately 50 sf area of asphalt removal on ECSD property requires soil cover verification to document acceptable soil cover in accordance with ongoing IRM activities. Geosyntec is preparing a soil cover verification work plan for sample collection in this area, which will be submitted under separate cover.

As-built documentation from a NYS licensed land surveyor will be provided for all restored Engineering Controls, per Section G-11 of the ISMP/EWP.

5.12 Backfill from Off-Site Sources (EWP G-12)

The excavated asphalt area will be backfilled with topsoil to match surrounding grades. All material to be used as backfill from off-site sources have been approved by the NYSDEC and "Request to Import/Reuse Fill or Soil forms" have been submitted to the NYSDEC.

5.13 Stormwater Pollution Prevention (EWP G-13)

A Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) has been submitted to the NYSDEC Division of Water (DOW) for the FFC project by ECSD. No changes have been made to the SWPPP.

5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during soil excavation, or if groundwater is encountered and ponds within the excavation, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. Daily CAMP monitoring data will be provided to NYSDEC.

The construction activities have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent to the work zone. The following controls will be implemented, as applicable, for community protection:

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- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that excavating or soil load-out occurs.

CAMP monitoring equipment will be placed in the vicinity of the active work area to monitor particulate concentration. Monitoring locations will be adjusted daily based on the wind direction. Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to reduce or eliminate dust or airborne particulates during ground intrusive activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

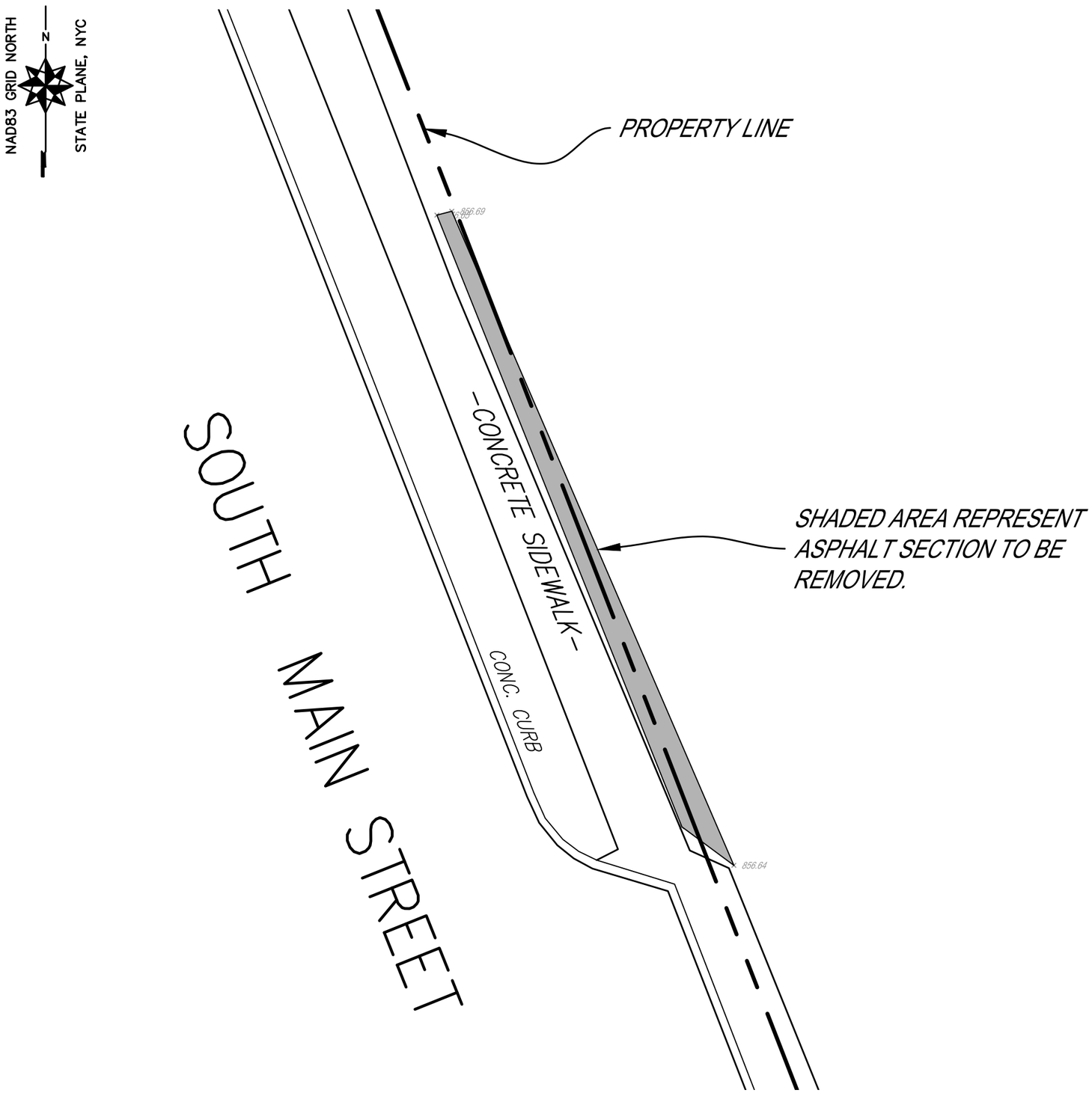
The work area will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures will include temporary fencing around the work zone to prevent access to the work zone by unauthorized personnel.

S:\Sterling\Projects\2021 Projects\Elmira High School - 2021-01\Reports\ISMP Notifications\Discus Area\2023-06-15_Asphalt Removal\2023-06-15_c808022_Discus-Shotput ISMP_Addendum 2.docx

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APPENDIX A

ASPHALT REMOVAL LOCATION



SCALE: 1" = 10'

0 5 10 20 30

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950 TOWANDA, PA 570 - 265 - 4868
BINGHAMTON, NY 607 - 798 - 8081 ALBANY, NY 607 - 798 - 8081
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

MAP EXHIBIT OF:

ASPHALT STRIP TO BE REMOVED

ELMIRA HIGH SCHOOL

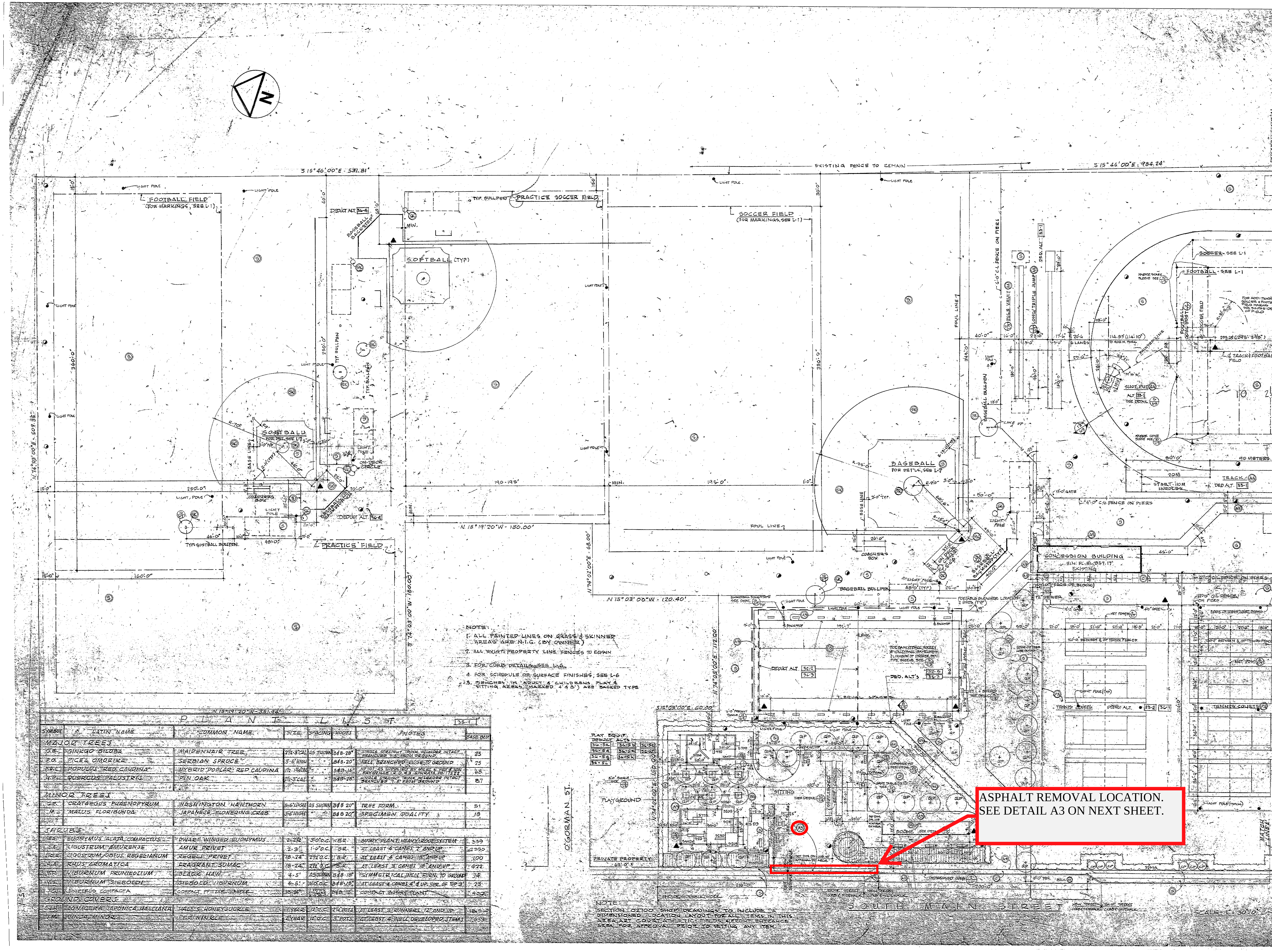
CITY OF ELMIRA

CHEMUNG COUNTY, NEW YORK

SCALE:	DWG.BY:	CHK.BY:	TAX PARCEL NO:	JOB N0:
1" = 10'	S.D.L.			2012-239

APPENDIX B

HISTORIC ASPHALT DETAILS



NOTE:
1. ALL PAINTED LINES ON GRASS & SKINNED AREAS ARE N.I.C. (BY OWNER)
2. ALL EXIST. PROPERTY LINE FENCES TO REMAIN
3. FOR CURB DETAILS, SEE L-6.
4. FOR SCHEDULE OF SURFACE FINISHES, SEE L-6
5. BENCHES IN ADULT & CHILDRENS PLAY & SITTING AREAS (MARKED 4' & 8') ARE BACKED TYPE

PLANT LIST

SYMBOL	LATIN NAME	COMMON NAME	SIZE	SPACING	ROOTS	NOTES	35-1 BASE BID
MAJOR TREES							
G.B.	GINKGO BILOBA	MAIDENHAIR TREE	2½-3 CAL	AS SHOWN	B&B-28"	SINGLE STRAIGHT TRUNK W/LEADER INTACT BRANCHED 7-8' FROM GROUND	25
P.O.	PICEA OMORIKA	SERBIAN SPRUCE	5-6' HIGH	"	B&B-20"	WELL BRANCHED CLOSE TO GROUND	25
P.R.C.	POPULUS "RED CAUDINA"	HYBRID POPLAR RED CAUDINA	1½-1¾ CAL	"	B&B-14"	HP 101 AS SUPPLIED BY MILES W. FRY & SON FRYSVILLE - R.D. #3 EPHRATA, PA. 17522	68
Q.P.	QUERCUS PALUSTRIS	PIN OAK	2½-3 CAL	"	B&B-26"	SINGLE STRAIGHT TRUNK W/LEADER INTACT BRANCHED 7-8' FROM GROUND	87
MINOR TREES							
C.P.	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORN	5-6' HIGH	AS SHOWN	B&B 20"	TREE FORM	51
M.	MALUS FLORIBUNDA	JAPANESE FLOWERING CRAB	5-6' HIGH	"	B&B 20"	SPECIMEN QUALITY	18
SHRUBS							
E.A.	EUONYMUS ALATA COMPACTUS	DWARF WINGED EUONYMUS	2-2½'	3'-0" O.C.	B.R.	BUSHY PLANT, HEAVY ROOT SYSTEM	339
L.A.	LIGUSTRUM AMURENSE	AMUR PRIVET	2-3'	1'-0" O.C.	B.R.	AT LEAST 4 CANES, 2' AND UP	2350
L.O.R.	LIGUSTRUM OBTUS. REGELIANUM	REGELS PRIVET	18-24"	2½' O.C.	B.R.	AT LEAST 4 CANES 18" AND UP	100
R.A.	RHUS AROMATICA	FRAGRANT SUMAC	18-24"	2½' O.C.	B.R.	AT LEAST 3 CANES 18" AND UP	472
V.P.	VIBURNUM PRUNIFOLIUM	BLACK HAW	4-5'	AS SHOWN	B&B 18"	SYMMETRICAL WELL FURN. TO GROUND	14
V.S.	VIBURNUM SIEBOLDI	SIEBOLD VIBURNUM	4-5'	6'-0" O.C.	B&B 18"	AT LEAST 4 CANES 4' & UP. SPR. OF TOP 3'	23
J.C.	JUNIPERUS COMPACTA	COMPACT PFITZER JUNIPER	18-24"	2 ROWS STAGGER 3'-0" O.C.	B&B 12"	COMPACT BUSHY PLANT	409
GROUND COVERS							
L.J.H.	LONICERA JAPONICA HALLIANA	HALL'S HONEYSUCKLE	1 YEAR	12" O.C.	2¼ POTS	AT LEAST 3 RUNNERS 12" AND UP	18,560
V.M.	VINCA MINOR	PERIWINKLE	2 YEAR	12" O.C.	3" POTS	AT LEAST 4 WELL DEVELOPED STEMS	1,633

NOTE:
SECTION 02700 SHOP DRAWINGS TO INCLUDE A DIMENSIONED LOCATION LAYOUT FOR ALL ITEMS IN THIS AREA, ART COURT, ATHLETIC FIELDS & FRONT ENTRANCE AREA FOR APPROVAL PRIOR TO SETTING ANY ITEM.

ASPHALT REMOVAL LOCATION.
SEE DETAIL A3 ON NEXT SHEET.

FANNING-HOWEY ASSOCIATES, INC.
ARCHITECTS - ENGINEERS - CONSULTANTS
540 EAST MARKET STREET, P.O. BOX 71, CELINA, OHIO 45822
600 NINTH STREET, P.O. BOX 604, MICHIGAN CITY, INDIANA 46360

KAMINSKY & SHIFFER ARCHITECTS PC
44 EAST 29th STREET, NEW YORK, NEW YORK 10016

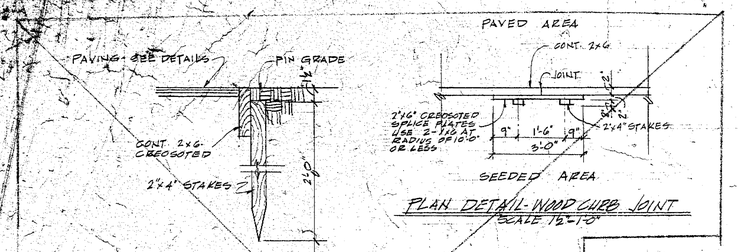
GILLUM-COLACO
CONSULTING STRUCTURAL ENGINEERS
2 PARK AVENUE, NEW YORK, NEW YORK 10016

PERSONIUS WADSWORTH MOLTER
CONSULTING ENGINEERS
401 LEVEL ACRES DRIVE, HORSEHEADS, NEW YORK 14845

This drawing has been prepared for the City School District of the City of Elmira, New York, to be used in the construction of Southside Community Recreational Center and Educational Facility, Elmira, New York. This drawing is the property of Fanning/Howey Associates, Inc. and is not to be used for any purpose other than the above described project at the location indicated herein.

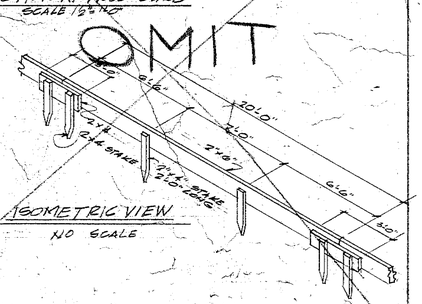
SOUTHSIDE

JOB NO. 7604 B
DATE APR. 5, '79
DRAWN BB, DW
CHECKED BB
SHEET TITLE: GENERAL & PLANTING PLAN-NORTH
SHEET NO. L-2 VI



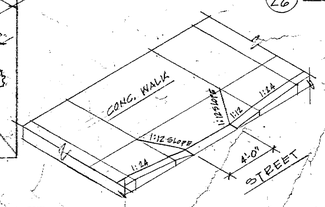
PLAN DETAIL-WOOD CURB JOINT
SCALE 1½"=1'-0"

SECTION AT WOOD CURB
SCALE 1½"=1'-0"

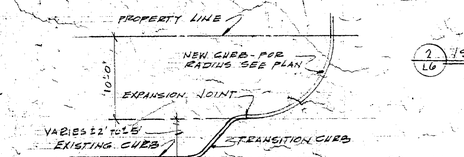


ISOMETRIC VIEW
NO SCALE

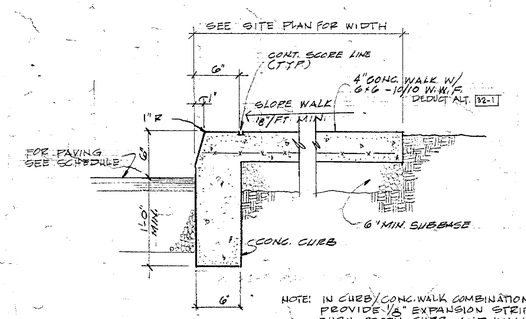
1/L6 TYPE (2) DETAILS OF WOOD CURB



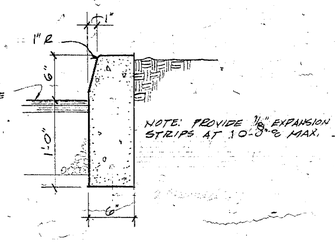
2/L6 ISOMETRIC-DEPRESSED CURB AT SIDEWALK
NO SCALE



15/L6 TRANSITION CURB PLAN
NO SCALE



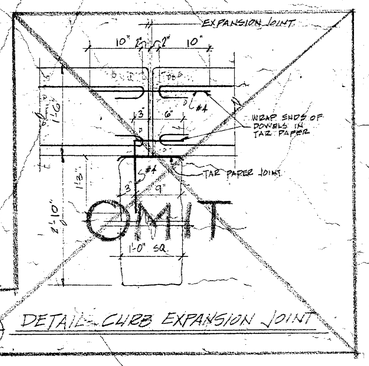
NOTE: IN CURB/CONC. WALK COMBINATION PROVIDE ½" EXPANSION STRIPS THRU BOTH CURB AND WALK AT INTERVALS NOT TO EXCEED 10'-0" ℄



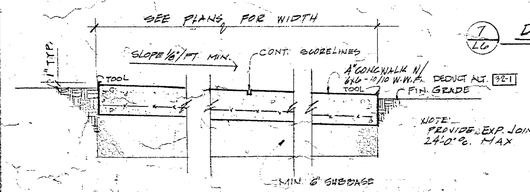
NOTE: PROVIDE ½" EXPANSION STRIPS AT 10'-0" ℄ MAX.

3/L6 DETAIL - CURB/CONC. WALK COMBINED TYPE (1A)
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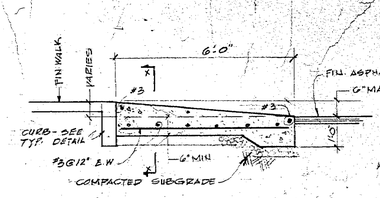
4/L6 TYPICAL CONC. CURB TYPE (1)
SCALE 1½"=1'-0"



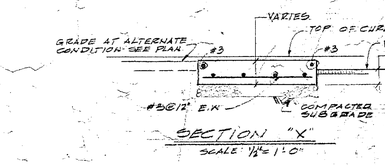
5/L6 DETAIL - CURB EXPANSION JOINT



6/L6 TYP. CONC. WALK
SCALE 1½"=1'-0"

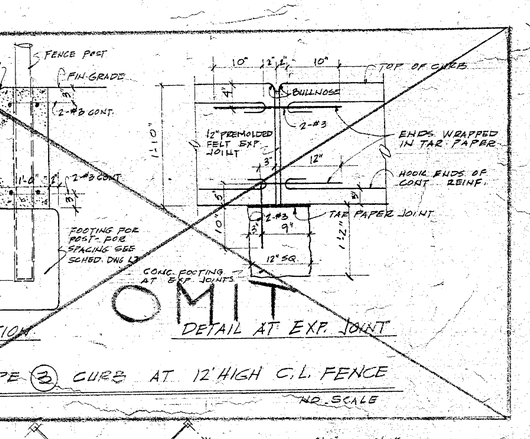


SECTION THRU RAMP (14/L6)
SCALE: ½"=1'-0"

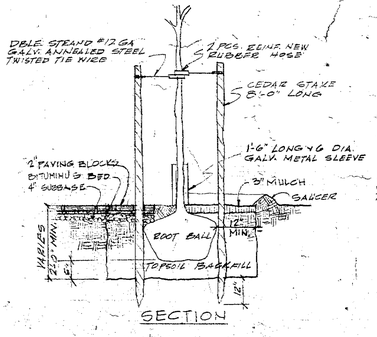


SECTION "X"
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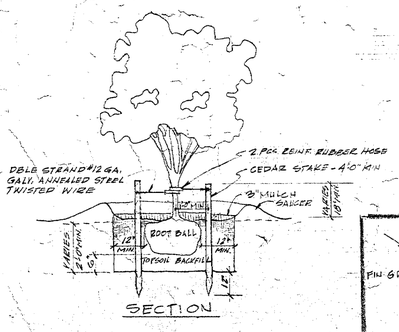
7/L6 DETAILS OF HANDICAPPED PARKING LOT RAMP



8/L6 TYP. CONC. PAD AT BUILDING DOOR
SCALE 1½"=1'-0"



SECTION

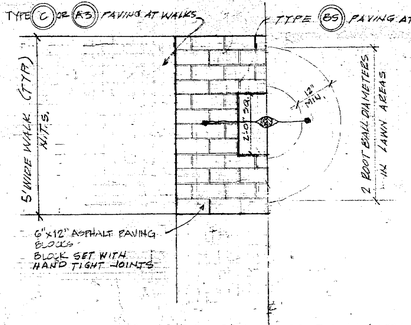


SECTION

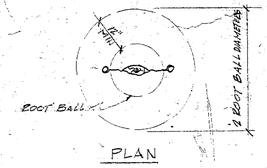
SECTION

DETAIL AT EXP. JOINT

11/L6 TYPE (3) CURB AT 12' HIGH C.L. FENCE
NO SCALE

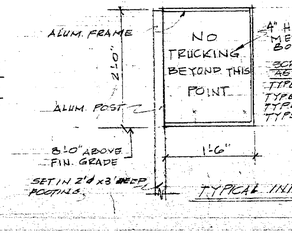


9/L6 DETAIL FOR STAKING OF MAJOR TREES & DETAIL OF BLOCK PAVERS AT TREE PITS
SCALE: 1½"=1'-0"



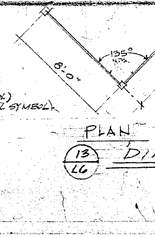
PLAN

10/L6 DETAIL FOR STAKING OF MINOR TREES 6' TO 10' HIGH
SCALE 1½"=1'-0"

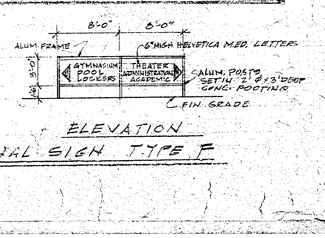


SCRIPT FOR SIGNS AS FOLLOWS
TYPE A "NO TRUCKING BEYOND THIS POINT"
TYPE B "HANDICAPPED PARKING" (WITH SYMBOL)
TYPE C "NO PARKING" (WITH INTERNATIONAL SYMBOL)
TYPE D "BUS PARKING"

TYPICAL INFORMATION SIGN (12/L6)



PLAN



ELEVATION

13/L6 DIRECTIONAL SIGN TYPE F

SCHEDULE OF SURFACES

SYMBOL	TYPE	CONSTRUCTION	REMARKS
A-1	HEAVY DUTY ASPHALTIC PVMT.	1" ASPHALTIC CONC. SURFACE; 2" BASE COURSE; 12" COMPACTED SUBBASE	
A-2	LIGHT DUTY ASPHALTIC PVMT.	1" ASPHALTIC CONC. SURFACE; 2" BASE COURSE; 6" COMPACTED SUBBASE	
A-3	ASPHALTIC WALKS	2" ASPHALTIC CONC. SURFACE; 6" COMPACTED STONE SUBBASE	COLORED ASPHALTIC WALKS SAME EXCEPT A PIGMENT WILL BE ADDED. COLOR TO BE SELECTED BY ARCHITECT.
A-A	TRACK SURFACING	1" RESILIENT SURFACE; 2" BINDER/LEVELING COURSE; 4" COMPACTED SUBBASE	DED. ALT. 33-1
A-A	ALTERNATE TRACK SURFACING	SEALER; 2" BINDER/LEVELING COURSE; 4" COMPACTED SUBBASE	ALTERNATE - SEE SPECIFICATIONS DED. ALT. 33-1
PA	TENNIS COURT SURFACING	SYNTHETIC (PLEXIPAVE OR EQUAL) FINISH; 2" ASPHALTIC CONC.; 6" COMPACTED STONE SUBBASE	
C	CONCRETE WALKS	4" CONC. SLAB; 6" COMPACTED SUBBASE	PROVIDE EXPANSION JOINTS EVERY 400 SQ. FT. (APPROXIMATELY) AND AS NOTED.
PL	PLANTED AREAS	SEE SPECIFICATIONS	
S	SEEDED AREAS	6" TOPSOIL	SEE SPECIFICATIONS
SK	SKINNED AREAS	SEE SPECIFICATIONS	HORSESHOE PIT; BALLFIELDS; BOCCIE COURT
CS	CONCRETE SLAB	6" CONCRETE SLAB; 6" COMPACTED SUBBASE	ICE SKATING RINK; SEE SPEC. FOR EXP. JTS.
BS	ASPHALT BLOCK PAVERS	6"x12"x2" DEEP ASPHALT BLOCK PAVERS; 3/4" MINIMUM SETTING BED; 4" COMPACTED SUBBASE; SAND FILLER	TREE PITS
A4	TEMPORARY ASPHALTIC PAVEMENT	1½ ASPHALTIC CONC. SURFACE	

FANNING-HOWEY ASSOCIATES, INC.
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101 LEWIS AVENUE, NEW YORK, NEW YORK 10010
PERSONIUS WADSWORTH MOLTER
CONSULTING ENGINEERS
101 LEWIS AVENUE, NEW YORK, NEW YORK 10010

SOUTHSIDE

This drawing has been prepared for the City School District of the City of Elmira, New York, to be used in the construction of Southside Community Recreational Center and Educational Facility, Elmira, New York. This drawing is the property of Fanning/Howey Associates, Inc. and is not to be used for any purpose other than the above described project at the location indicated herein.

JOB NO. 76098
DATE APRIL 5-77
DRAWN
CHECKED
REVISION

SHEET TITLE
SITE DETAILS SHEET 1

SHEET NO.
L-6V1
OF

Sterling Environmental Engineering, P.C.

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #7

Prepared for:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared by:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Addendum #7 – December 9, 2022

Revisions to ISMP Notification/Work Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	5/20/2021	Updated location of new baseball field scoreboard due to inground structures.	5/25/2021
2	5/28/2021	Updated to include soil excavation by the ECSD contractor.	6/3/2021
3	4/6/2022	Updated to include removal of temporary concrete washout and soils adjacent to Fieldhouse 1.	4/12/2022
4	5/2/2022	Updated to include installation of posts for football netting surrounding field end zones.	5/4/2022
5	5/19/2022	Updated to include installation of posts for chain link and decorative fencing within the Football Field Complex.	5/26/2022
6	8/17/2022	Updated to include installation of Fieldhouse 2 trench drain.	8/19/2022
7	12/9/2022	Updated to include reconstruction of baseball field scoreboard foundation	

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #7

1.0 INTRODUCTION

This Addendum is submitted to the New York State Department of Environmental Conservation (NYSDEC) because the ISMP Notification/Work Plan for the EHS FFC Cover System dated March 30, 2021 (revised April 26, 2021), approved by the NYSDEC on May 4, 2021, is being amended to include reconstruction of baseball field scoreboard foundation in support of construction of the FFC Cover System as part of the Capital Improvement Project by the Elmira City School District (ECSD).

2.0 DESCRIPTION OF WORK

The baseball field scoreboard was installed at too high an elevation and requires reconstruction to lower the foundation elevation. The location of the baseball field scoreboard is shown in Appendix A. The ISMP Notification/Work Plan is being amended to include the following activities:

1. Soil excavation around the baseball field scoreboard foundation from the pre-remediation ground surface to expose the concrete pile cap and helical piles. The concrete foundations will be demolished, and the helical piles will be cut off approximately 4 inches below the bottom existing concrete foundation and a new concrete pile cap will be installed. A detail of the scoreboard foundation work is included in Appendix B. A demarcation layer will be placed at the base of the excavation and tie into the existing demarcation layer at approximately 2.5 ft bgs associated with the IRM 5A2 NAF excavation surrounding the scoreboard. The excavation area will be backfilled with approved materials. The native soil surrounding the scoreboard foundation is shown in the image below.



Baseball Field Scoreboard and Remaining Native Soil

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Excavated soil will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The construction of the baseball field scoreboard was performed under Addendum 1 of the FFC Cover System ISMP Notification/Work Plan.

The area surrounding the scoreboard has been excavated to a depth of 2.5 ft bgs as part of IRM 5A2 NAF remediation activities and a demarcation layer is in place. Sampling was performed of the remaining native soil surrounding the scoreboard. The IRM 5A2 Area 3 completion package and email correspondence is included in Appendix C. Native soil remains approximately 2 ft around the scoreboard foundation. This soil will be excavated and managed as nonhazardous soil at a designated MSA associated with ongoing IRM activities. The depth of excavation surrounding the scoreboard is estimated to be up to 4 ft bgs, which corresponds to approximately 23 CY of soil for management.

4.0 SCHEDULE

Construction activities described in this addendum are planned for December 19, 2022 and will be initiated following NYSDEC approval.

5.2 Roles and Responsibilities (EWP G-2)

The Roles and Responsibilities are unchanged from the approved FFC ISMP Notification/Work Plan and will be documented in a completed ISMP Activity Log prior to initiating the work.

5.3 Soil Screening Methods (EWP G-3)

Soil screening of all soil removed during construction activities will be performed by a Qualified Environmental Professional (QEP) and as described in, and as required by, Section G-3 of the ISMP/EWP.

5.4 Soil Staging Methods (EWP G-4)

Excavated soil will be stockpiled as described in, and as required by, Section G-4 of the ISMP/EWP and in conjunction with work in progress for ongoing IRMs. Excavated soil will be removed, loaded, and transported by the ECSD contractor to an approved MSA where the material will be stockpiled and managed by Geosyntec and the Unisys remediation contractor with other soil generated by on-going IRMs. Excavated soils will be loaded directly into a transport truck to the greatest extent possible. If soils need to be temporarily stockpiled, the soils will be placed on poly sheeting on the ground surface adjacent to the excavation. Excavated native soil from beneath demarcation layer or outside of prior remediation limits will be managed as uncharacterized and transported to the MSA for sampling and/or disposal or reuse. CAMP monitoring will be performed during ground intrusive activities by the QEP, as described in Section 5.15.

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5.5 Materials Excavation and Load-Out (EWP G-5)

Load-out of excavated soil will be performed by the ECSD contractor, and as described in, and as required by, Section G-5 of the ISMP/EWP. Trucks will be loaded on geotextile and decontaminated by dry methods to ensure no loose soil remains on the truck tires or sides. Loaded trucks will be tarped and then used to relocate the material to the designated approved MSA by traveling along improved haul roads (mats, geotextile, poly sheeting, or other) to prevent contamination of clean cover systems. A haul route is shown in Appendix D. Geosyntec and the Unisys remedial contractor will be responsible for load-out if soil is to be disposed off-site.

5.6 Materials Transport Off-Site (EWP G-6)

Transportation of the excavated soil will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. Geosyntec or the Unisys remediation contractor will arrange for transportation of the excavated soil to be disposed off-site in conjunction with work in progress for on-going IRMs.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of excavated soil. Excavations of uncharacterized native soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs. Excavated soil will be stockpiled in an approved designated MSA for management by Geosyntec and its remediation contractor with other soil generated by the ongoing IRM, including any required sampling and characterization required by the selected, permitted landfill. The likely landfill for disposal is Hyland Landfill in Ontario, NY, operated by Casella Waste Systems.

5.8 Material Reuse On-Site (EWP G-8)

If on-site reuse of excavated soils is contemplated, the NYSDEC will be informed and laboratory analyses will be performed to determine whether the soil meets the criteria for reuse on-site, either within a soil cover system, or as fill material below a soil cover system, in accordance with Section G-8 of the ISMP/EWP. Soil quality would need to meet the requirements in NYSDEC DER-10 Appendix 5 to be reused. The number and type of soil samples would be in accordance with Section G-8 of the ISMP/EWP. A Request to Import/Reuse Fill or Soil form would be submitted to the NYSDEC by Geosyntec for approval if reuse of the soil onsite is supported by the laboratory analytical data.

5.9 Confirmation Sampling (EWP G-9)

Confirmation sampling of the excavated area will be performed at a frequency of 1 bottom sample per 900 sf of excavation. As shown in the photograph on Page 1, native soil will be excavated to surrounding grade such that there will be no sidewalls to sample. Based on the excavation footprint, 1 bottom sample will be collected.

5.10 Fluids Management (EWP G-10)

Following soil excavation, loose soil is to be dry-brushed from the excavator bucket onto placed geofabric or poly sheeting to prevent cross-contamination.

Fluids associated with the proposed work will consist of water to decontaminate equipment that contacts potentially contaminated soil. Equipment that contacts potentially contaminated soil will be decontaminated by the Unisys remediation contractor before being used elsewhere on site, or before leaving the site.

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Excavation equipment requiring wet decontamination will be decontaminated in a pre-approved decontamination area. Decontamination procedures will consist of first removing all loose soil followed by power washing at an existing approved decontamination pad being used for the ongoing IRM. More aggressive decontamination may be needed if unanticipated gross contamination is encountered. Geosyntec and the Unisys remediation contractor will manage decontamination wastes with decontamination wastes generated from the ongoing IRM.

Haul trucks transporting excavated soils from ISMP activities to the designated IRM5A2 MSA will be decontaminated on pre-approved decontamination areas prior to exiting the IRM5A2 work area. No wet decontamination will occur outside of active IRM work areas.

5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in accordance with the cover system plan provided in Appendix A, and in compliance with Section G-11 of the ISMP/EWP.

A demarcation layer is required as described in Section G-11 of the Excavation Work Plan "to provide a visual reference to the top of the remaining contamination zone". A demarcation layer will be installed at a depth of 2.5 ft bgs to tie in with the existing demarcation layer associated with the IRM5A2 NAF excavation. The demarcation layer will consist of orange snow fencing material, white geotextile, or equivalent material.

As-built documentation from a NYS licensed land surveyor will be provided for all restored Engineering Controls, per Section G-11 of the EWP.

5.12 Backfill from Off-Site Sources (EWP G-12)

The excavation will be backfilled with approved imported fill. All material to be used as backfill from off-site sources have been approved by the NYSDEC and "Request to Import/Reuse Fill or Soil forms" have been submitted to the NYSDEC.

5.13 Stormwater Pollution Prevention (EWP G-13)

A Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) has been submitted to the NYSDEC Division of Water (DOW) for the FFC project by ECSD. No changes have been made to the SWPPP.

5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during soil excavation, or if groundwater is encountered and ponds within the excavation, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. If CAMP monitoring is performed when IRM-related work is not being performed and a Geosyntec QEP is not available, or Geosyntec cannot otherwise provide a QEP to perform CAMP monitoring, either for the ISMP work area of the broader IRM

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work area, ECSD will provide a QEP to perform the CAMP monitoring. Daily CAMP monitoring data will be provided to NYSDEC whether the monitoring is performed by Geosyntec or ECSD.

The construction activities have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent the work zone. The following controls will be implemented, as applicable, for community protection:

- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that excavating or soil load-out occurs.

CAMP monitoring equipment will be placed in the vicinity of the active work area to monitor particulate concentration (see locations provided in Appendix D). Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to reduce or eliminate dust or airborne particulates during ground intrusive activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

The work area will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures will include temporary fencing around the work zone to prevent access to the work zone by unauthorized personnel.

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APPENDIX A

BASEBALL FIELD SCOREBOARD LOCATION

Football Field Complex ISMP Notification Area

Football Field Scoreboard Helical Piles

Baseball Scoreboard Helical Piles

Goal Post Helical Pile

Goal Post Helical Pile

Flagpole Helical Pile

Helical Pile Installation Locations
(Ground Intrusive Locations)

6' CHAIN LINK FENCE

WOOD RETAINING WALL

-MULCH-

RET. WALL

BENCH

-CONCRETE-

6' CHAIN LINK FENCE

-CONCRETE-

-OUTFIELD GRASS-

-DIRT INFIELD-

-INFIELD GRASS-

-DUGOUT-

-BUILDING-

-CONCRETE-

-ASPHALT-

-ASPHALT-

-ASPHALT-

MAINTENANCE VEHICLES ONLY

FIELDHOUSE #1

-CONCRETE SIDEWALK-

FIELDHOUSE #2

TICKET BOOTH

-CONCRETE-

-CONCRETE SIDEWALK-

CONC. CURB

-CONCRETE SIDEWALK-

CONC. CURB

STREET BOUNDARY

SOUTH MAIN STREET

LEGEND:

- BUILDING (NEW) - SEE DETAIL 2/C2.0
- BUILDING (EXISTING) - SEE DETAIL 1/C2.0
- ASPHALT PAVEMENT - SEE DETAILS 1-8/C3.0; 10,11/C3.1; 2-6,12/C3.2; 13,15/C3.3
- CONCRETE PAVEMENT - SEE DETAILS 1-4/C3.0; 4,11,6-8/C3.1; 1,3-5,7,10/C3.2; 8,11,14/C3.3
- TRACK SURFACING - SEE DETAILS 4/C3.0; 4/C3.1; 2,4,9,15/C3.3
- SYNTHETIC TURF SURFACING WITH LINER - SEE DETAILS 4/C3.0; 1,3,9,15/C3.3
- LAWN/NATURAL GRASS - SEE DETAILS 1-9/C3.0; 13/C3.1; 6,8,10,11C/3.3
- COMPACTED CRUSHED STONE
- RIP-RAP - SEE DETAIL 3/C3.1
- SANITARY TRENCH
- STORM TRENCH

1 **COVER SYSTEM MAP**
SCALE: 1"=30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

DRAWN BY : JKC
CHECKED BY : LG
DATE : 6/30/2020
SCALE : AS NOTED

#	DATE	DESCRIPTION OF REVISION	BY
1	9/30/2020	ISSUED FOR BID	
2	12/29/2020	REISSUED FOR BID	

Unauthorized Alteration Or Addition To Plans, Bearing A Licensed Engineers Or Architects Seal, Is A Violation Of Section 7209 Of The New York State Education Law.
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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 Ph 607-358-1000 Fx 607-358-1000 Offices Rochester | Horseheads | Towanda

COVER SYSTEM MAP
ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS
ELMIRA CITY SCHOOL DISTRICT
777 SOUTH MAIN STREET, ELMIRA, NY 14904

HIGH SCHOOL SED # 07-06-00-01-0-01 6-023 / FIELDHOUSE #1 SED # 07-06-00-01-2-044-002 / FIELDHOUSE #2 SED # 07-06-00-01-7-078-001 / PRESSBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH - SOUTH SED # 07-06-00-01-7-081-001

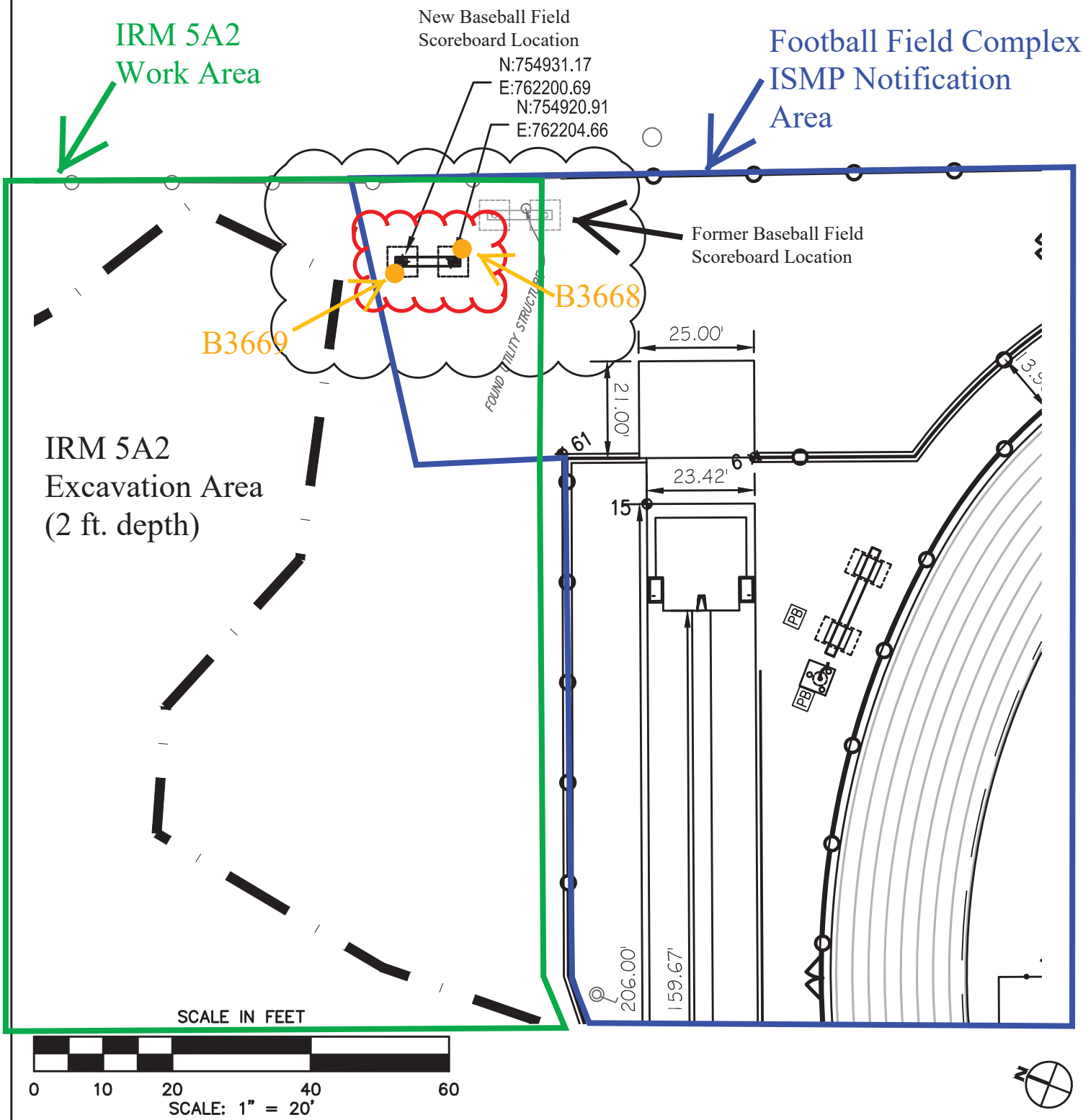
C1.0

PROJECT NO: 2012.226

Limits of IRM 5A2 Excavation

Approximate location of nearest environmental soil boring by Geosyntec.

Revised Baseball Field Scoreboard Location



REVISED LOCATION BASEBALL SCOREBOARD ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS ELMIRA CITY SCHOOL DISTRICT 777 SOUTH MAIN STREET, ELMIRA, NY, 14904	HUNT ENGINEERS | ARCHITECTS | SURVEYORS HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950 TOWANDA, PA 570 - 265 - 4868	CA-L10 DATE: 5/3/2021 PROJECT NO: 2012.228

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APPENDIX B

BASEBALL FIELD SCOREBOARD FOUNDATION RECONSTRUCTION DETAIL

FIELD REPORT

Date:	08/29/2022	Field Report #:	FR-1
Project Name:	Elmira Stadium Renovation		
Project Number:	2012-030	Distribution:	HUNT, WELLIVER, EDGER

SYSTEMS INSPECTED:

XXX	Foundations	XXX	Structural Elements	_____	Electrical Systems	_____	Plumbing Systems
_____	Fire Protection and Detection	_____	Heating, Ventilation Air Condition Systems	_____	Exiting Features	_____	Other (Please List)

The following items were discussed in the field on (Add Date). Items in italic were added after the meeting.

OBSERVATION, ITEMS TO VERIFY OR ACTION REQUIRED:

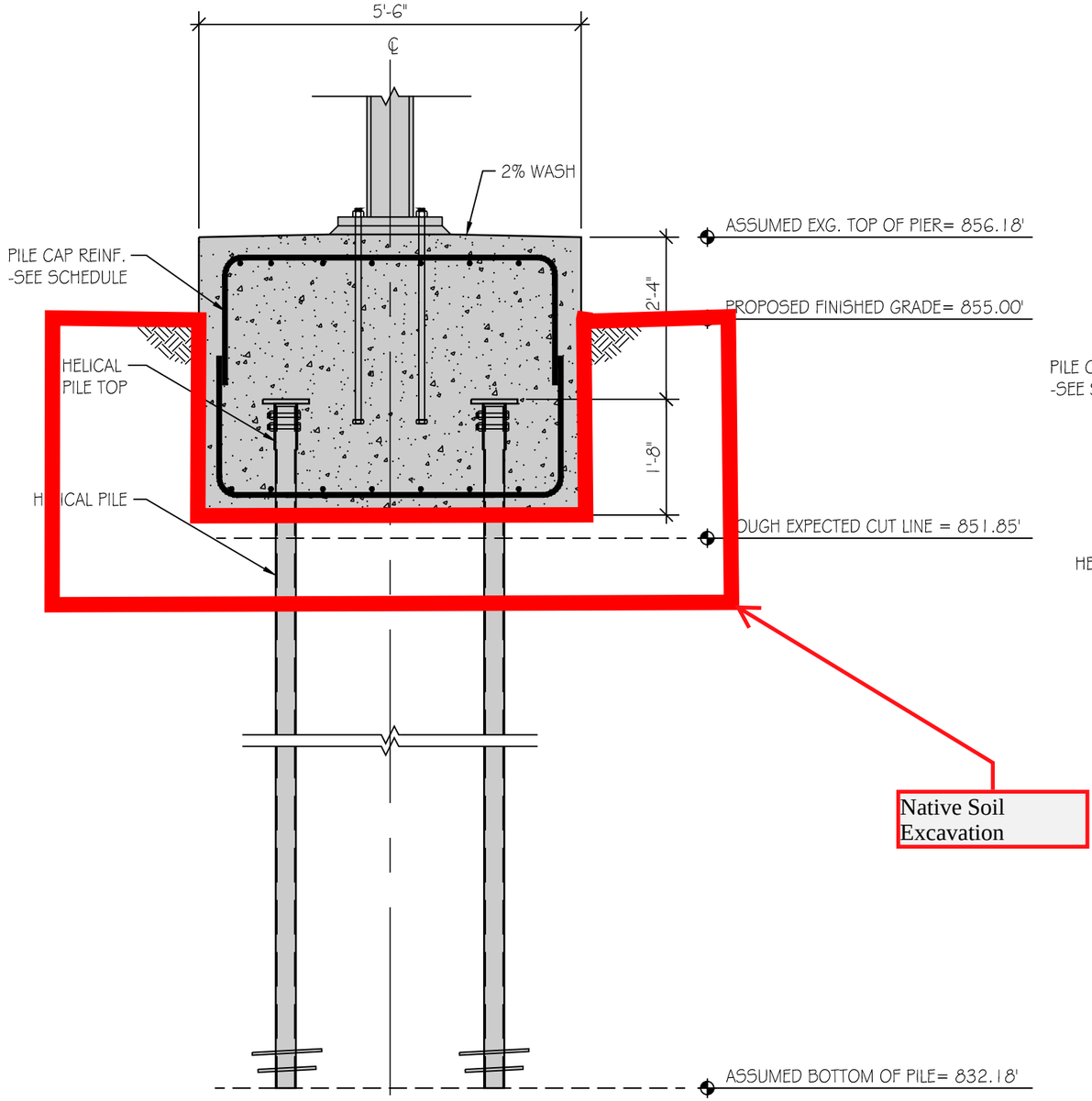
The pile caps that support the baseball scoreboard were placed at the incorrect elevation.

HUNT has attempted to minimize the effect of this elevation difference by regrading the site, but is unable to bring grade up to the top of pile cap. The pile caps need to be lowered to an acceptable elevation. After discussions with EDGER it was decided that the best way to remove the pile cap would be to cut the supporting piles from the pile cap and replace the pile cap.

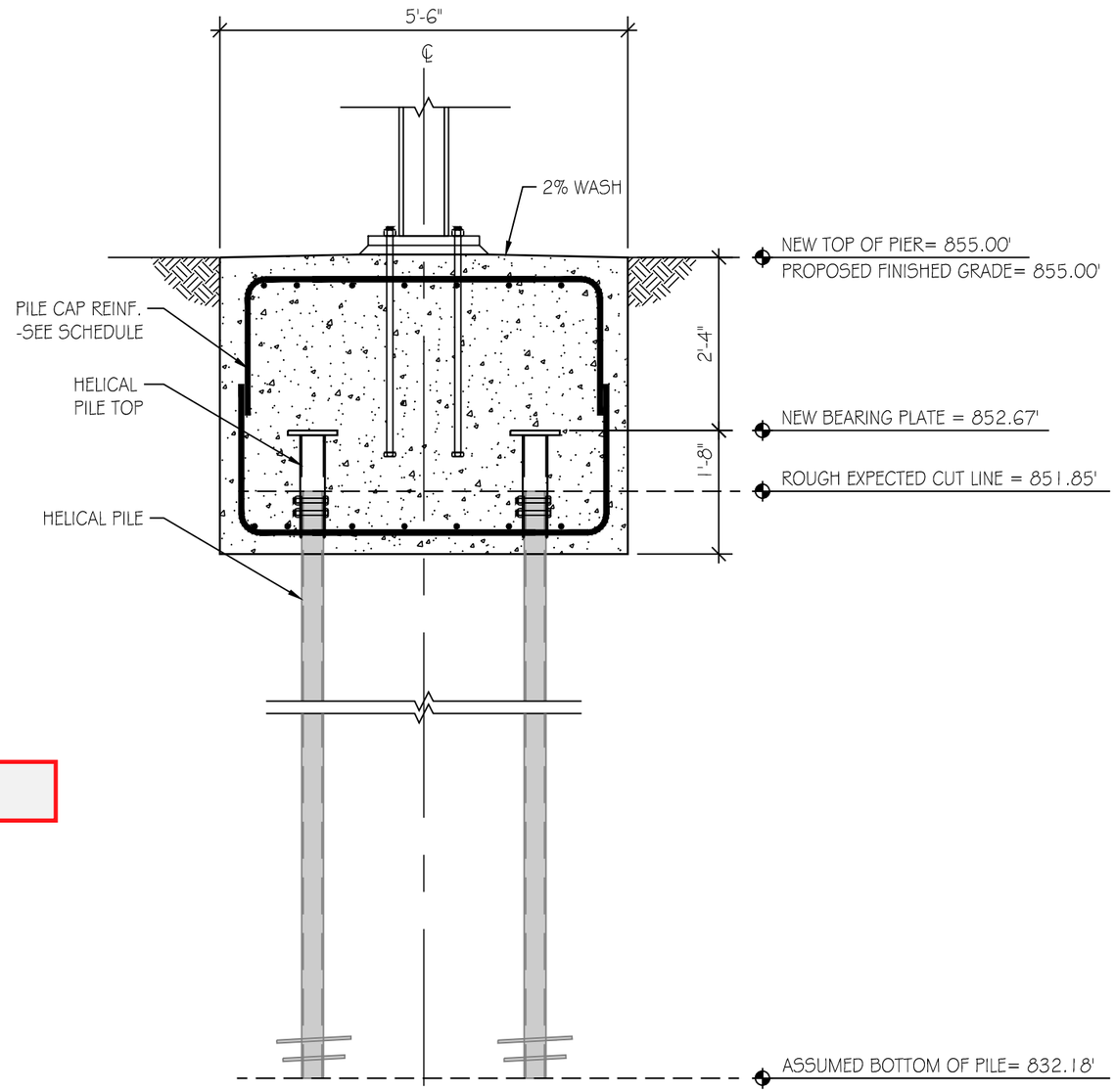
Attached to this report is a detail that shows the existing conditions and the proposed remedial detail. It is expected that EDGER would cut the top of the helical piles under the pile cap and remove the pile cap. Afterwards, new pile tops will need to be fabricated by IDEAL. The height of these pile tops will vary based on the height that the piles are cut off at. The piles will need to be drilled to allow the pile tops to be installed. Afterwards, a new concrete pile caps would be placed as originally detailed.

Please review and forward any corrections, omissions, or additions to the author of this report.

REPORT BY: HUNT



2 EXISTING F24 FOUNDATION AT BASEBALL SCOREBOARD
1/2" = 1'-0"



1 PROPOSED F24 FOUNDATION AT BASEBALL SCOREBOARD
1/2" = 1'-0"

DRAWN BY:	R.W.M.
CHECKED BY:	B.S.S.
DATE:	08/25/2022
SCALE:	AS SHOWN
REVISION:	

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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949
TOWANDA, PA 570 - 265 - 4668

PROPOSED HELICAL MODIFICATION
HIGH SCHOOL ATHLETIC COMPLEX ALTERATIONS
ELMIRA CITY SCHOOL DISTRICT
777 SOUTH MAIN STREET, ELMIRA, NEW YORK 14904

SK-1

PROJECT NO: 2012-228

APPENDIX C

SUMMARY OF ENVIRONMENTAL CONDITIONS

Andrew Millspaugh

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Wednesday, August 24, 2022 8:16 AM
To: McCartney, W Scott; Aron Krasnopoler; Schneider, Timothy A (DEC); Bogardus, Sara (HEALTH); david.pratt@dec.ny.gov; Surani, Shaun J (HEALTH); Bonsteel, Nicole M; Howe, Alexander; Stelmack, Mark J.; Glowark, Brandon; Fizzano, Thomas G; Granato, Donald; Whelan, Vincent
Cc: Etter, Terry R.; Paul Brookner; Amanda McNally; Kaitlin Ouverson; Lawrence Endicott; Sutton, Scott; Kyle Cunningham; cyrs (cyrs@hunt-eas.com); grasmeyerl@hunt-eas.com; Mike Fulkerson - Welliver; Mike Dunn; Andrew Millspaugh; Amanda Castignetti
Subject: RE: NYSDEC #c808022 - IRM 5A2 - A-3 Completion Package

Categories: Projects

Good Morning Scott,

Please find attached updated figures in response to the eastern portion of Area 3 contingent approval. Of the remaining native material, two sidewalls were collected from 0-2' bgs as represented by SB-S1 and SB-S2. Soil verification samples were also collected at their respective intervals as depicted on the attached figures under sample IDs SB1, SB2, and SB3.

RRSCOs were noted for PCBs, metals, and SVOCs within sidewall and soil verification samples. IRM subsurface action levels were noted for chromium at 160 mg/kg for sample SB-S2. As discussions regarding the future of the scoreboard foundation is still ongoing, sample exceedances will be documented in place and managed under future ISMP related work if this area is to be disturbed or modified.

Thanks,

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

Geosyntec consultants
engineers | scientists | innovators

From: McCartney, W Scott <w.scott.mccartney@woodplc.com>
Sent: Wednesday, August 3, 2022 11:45 AM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Schneider, Timothy A (DEC) <timothy.schneider@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; david.pratt@dec.ny.gov; Surani, Shaun J (HEALTH) <Shaun.Surani@health.ny.gov>; Bonsteel, Nicole M <nicole.bonsteel2@woodplc.com>; Howe, Alexander <alexander.howe@woodplc.com>; Stelmack, Mark J. <mark.stelmack@woodplc.com>; Glowark, Brandon <brandon.glowark@woodplc.com>; Fizzano, Thomas G <thomas.fizzano@woodplc.com>; Granato, Donald <donald.granato@woodplc.com>; Whelan, Vincent <vincent.whelan@woodplc.com>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Paul Brookner <PBrookner@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Kaitlin Ouverson <KOuverson@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Sutton, Scott <Scott.Sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; cyrs (cyrs@hunt-eas.com) <cyrs@hunt-eas.com>; grasmeyerl@hunt-eas.com; Mike Fulkerson - Welliver <mfulkerson@buildwelliver.com>; Mike Dunn <MDunn@buildwelliver.com>; Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>; Amanda

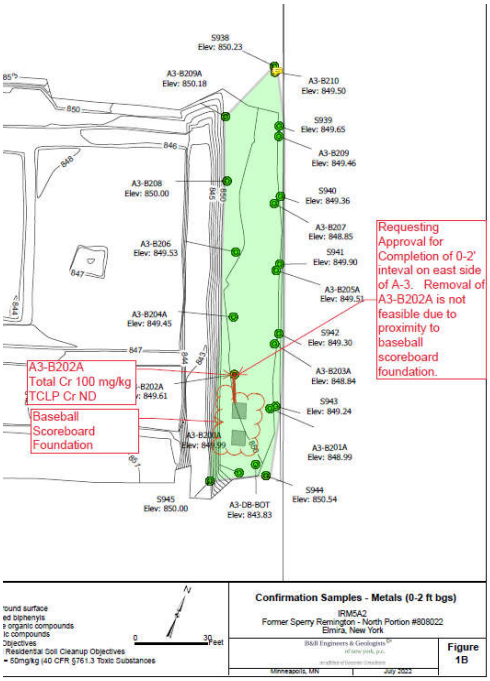
Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>
Subject: RE: NYSDEC #c808022 - IRM 5A2 - A-3 Completion Package

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Hello Aron,

The supporting data has been reviewed. Authorization is hereby provided for partial backfilling of **IRM5A2 – A – 3 excavations as depicted below, contingent upon**:

- Collect sidewall samples for the remaining in place soil below the baseball score board foundations (i.e., 0 -2 ft bgs).
- Soils remaining in place between the two foundation bollards is subject to soil cover verification and the required sampling.
- Please note additional remedial investigation and/or remediation may be necessary to support stormwater infiltration in this area.

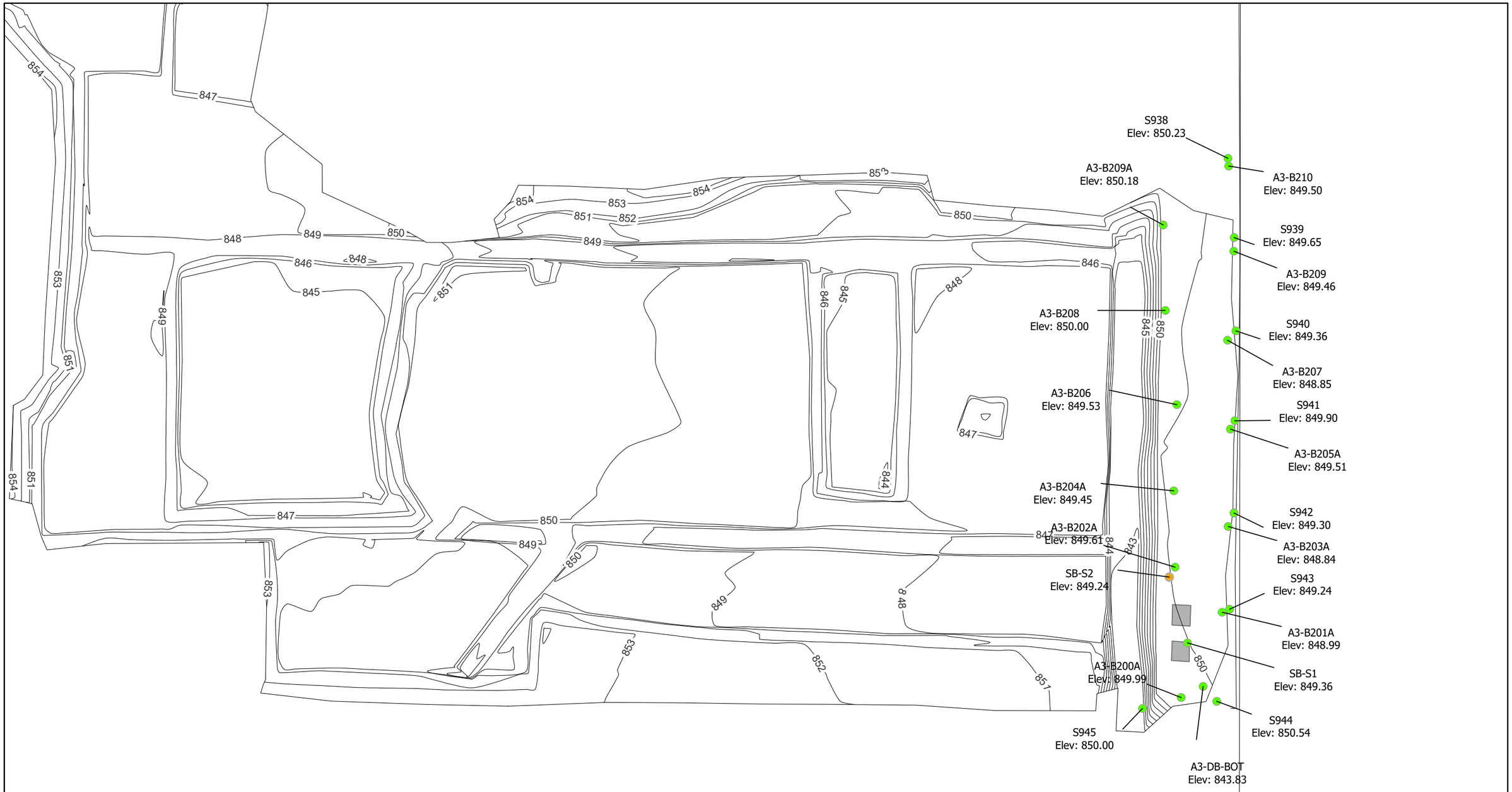




Thanks,

Scott

W. Scott McCartney, P.E.
Associate Engineer
Mobile: (484) 612-2070
Email: w.scott.mccartney@woodplc.com
www.woodplc.com



PCBs Concentrations

Total PCBs

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

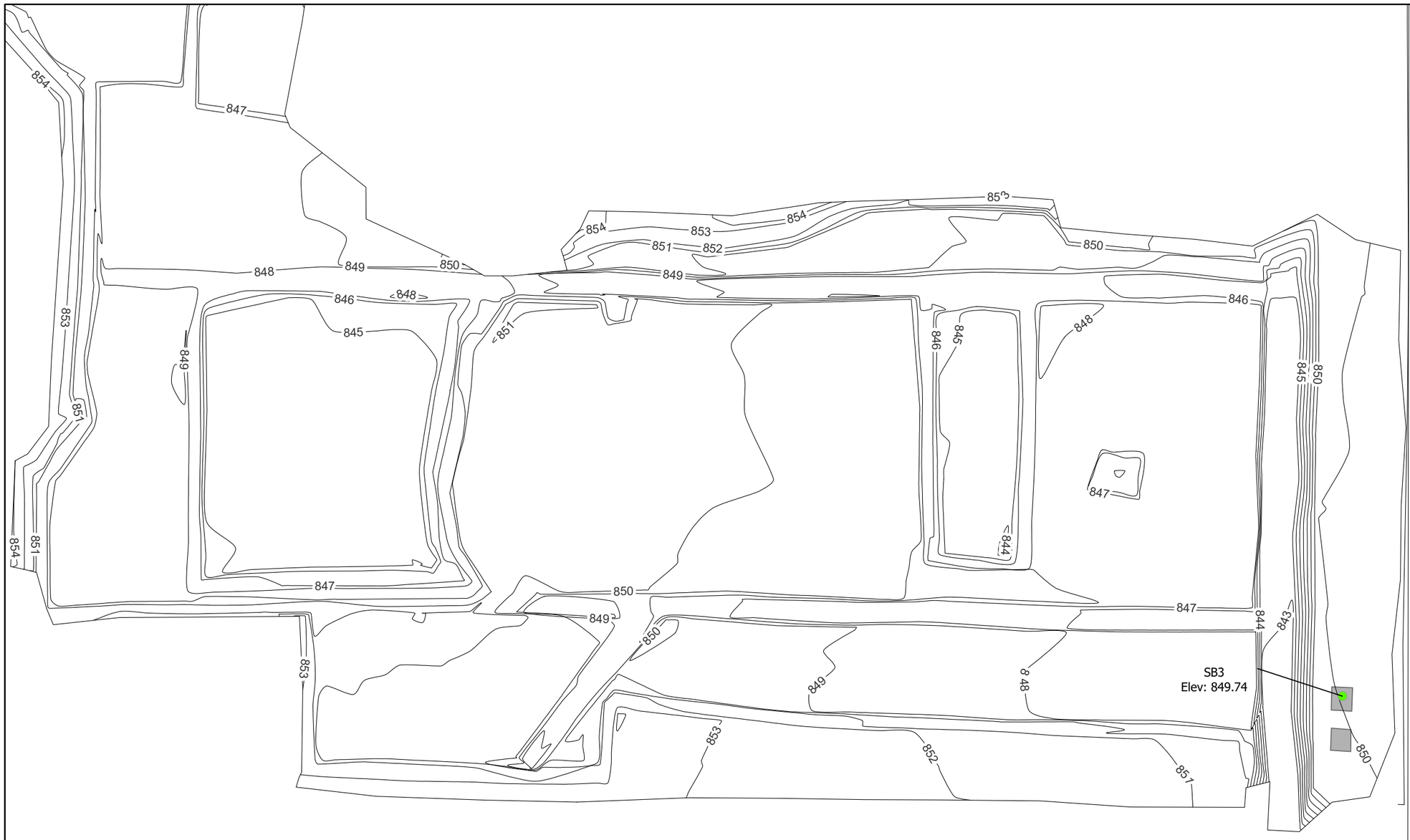
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Figure 1A

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PCBs Concentrations

Total PCBs

- < 1 mg/kg
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- 10 - 50 mg/kg
- > 50 mg/kg
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - PCBs (0-0.17 ft bgs)

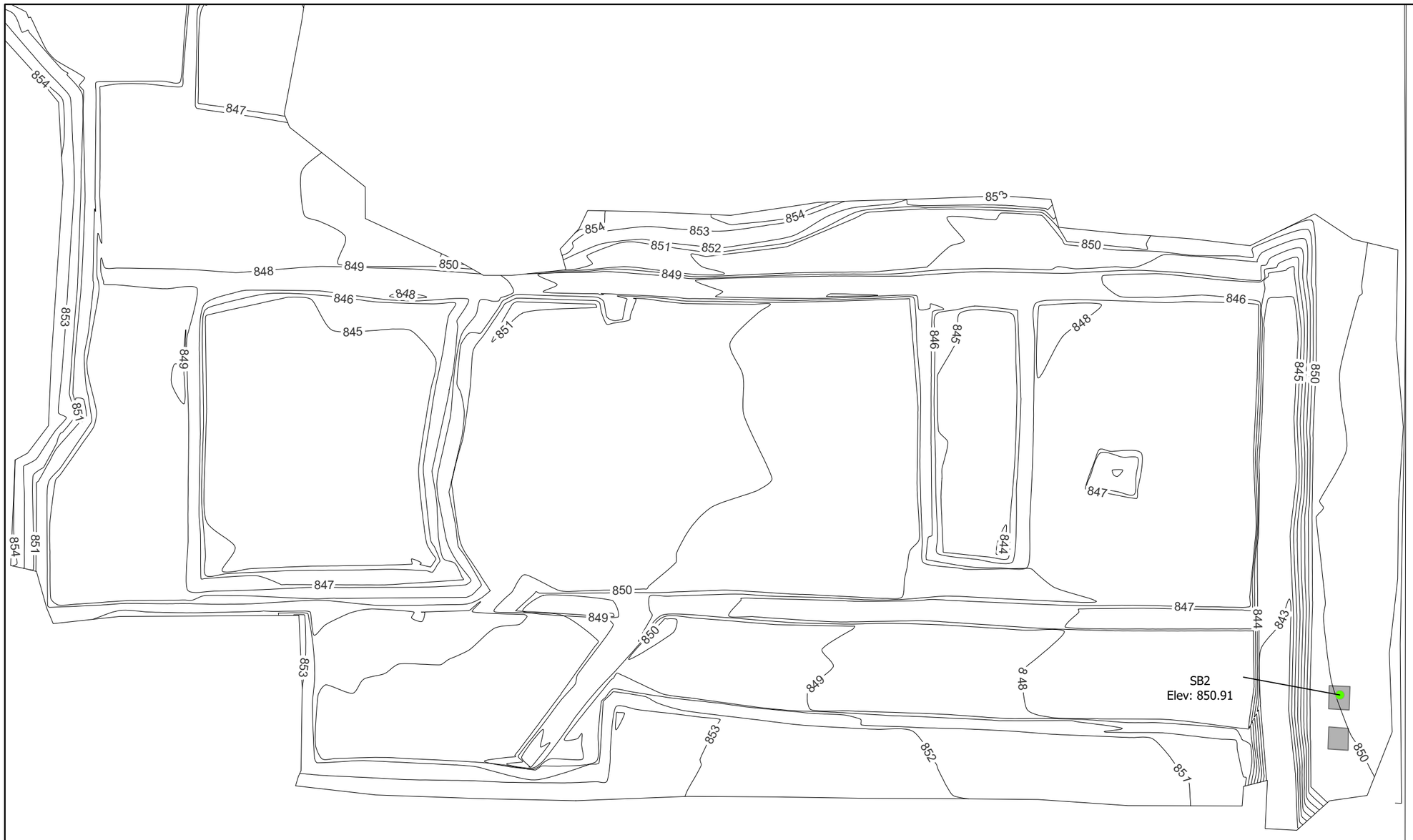
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Figure 1B

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PCBs Concentrations

Total PCBs

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - PCBs (0.17-1 ft bgs)

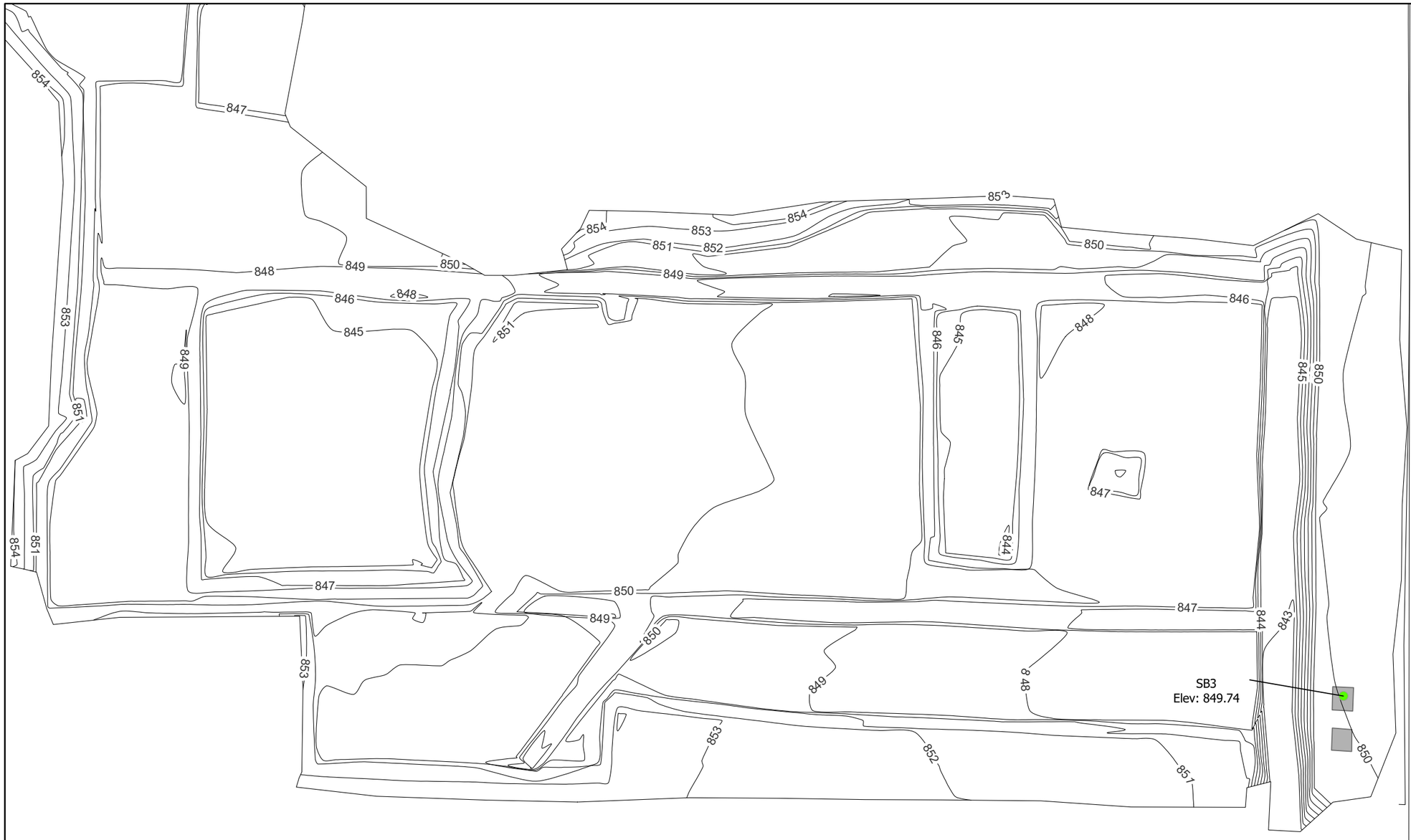
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Figure 1C

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PCBs Concentrations

Total PCBs

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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VOCs: Volatile organic compounds
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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - PCBs (1-2 ft bgs)

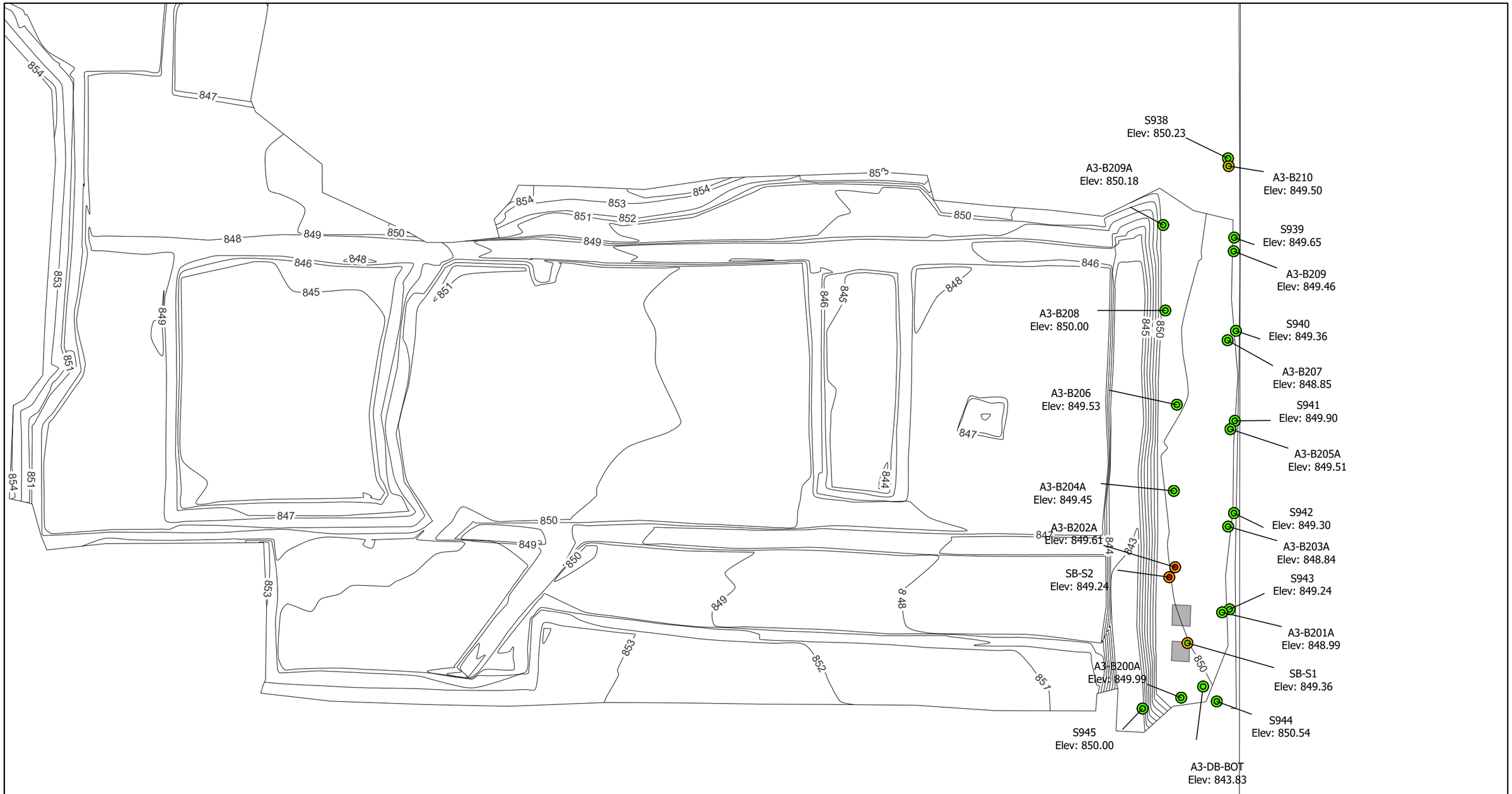
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Figure 1D

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- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

Confirmation Samples - Metals (0-2 ft bgs)

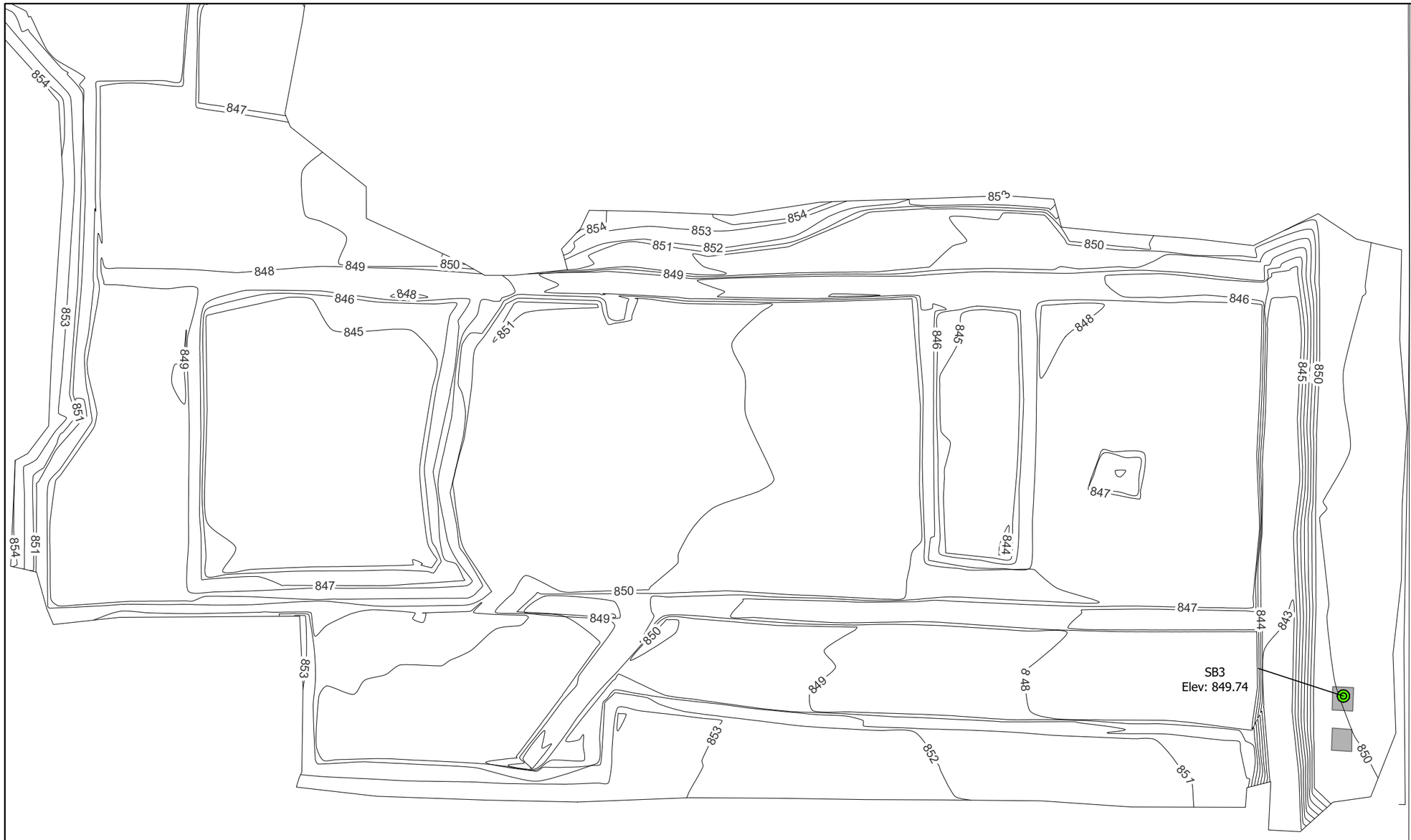
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Figure 2A

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- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - Metals (0-0.17 ft bgs)

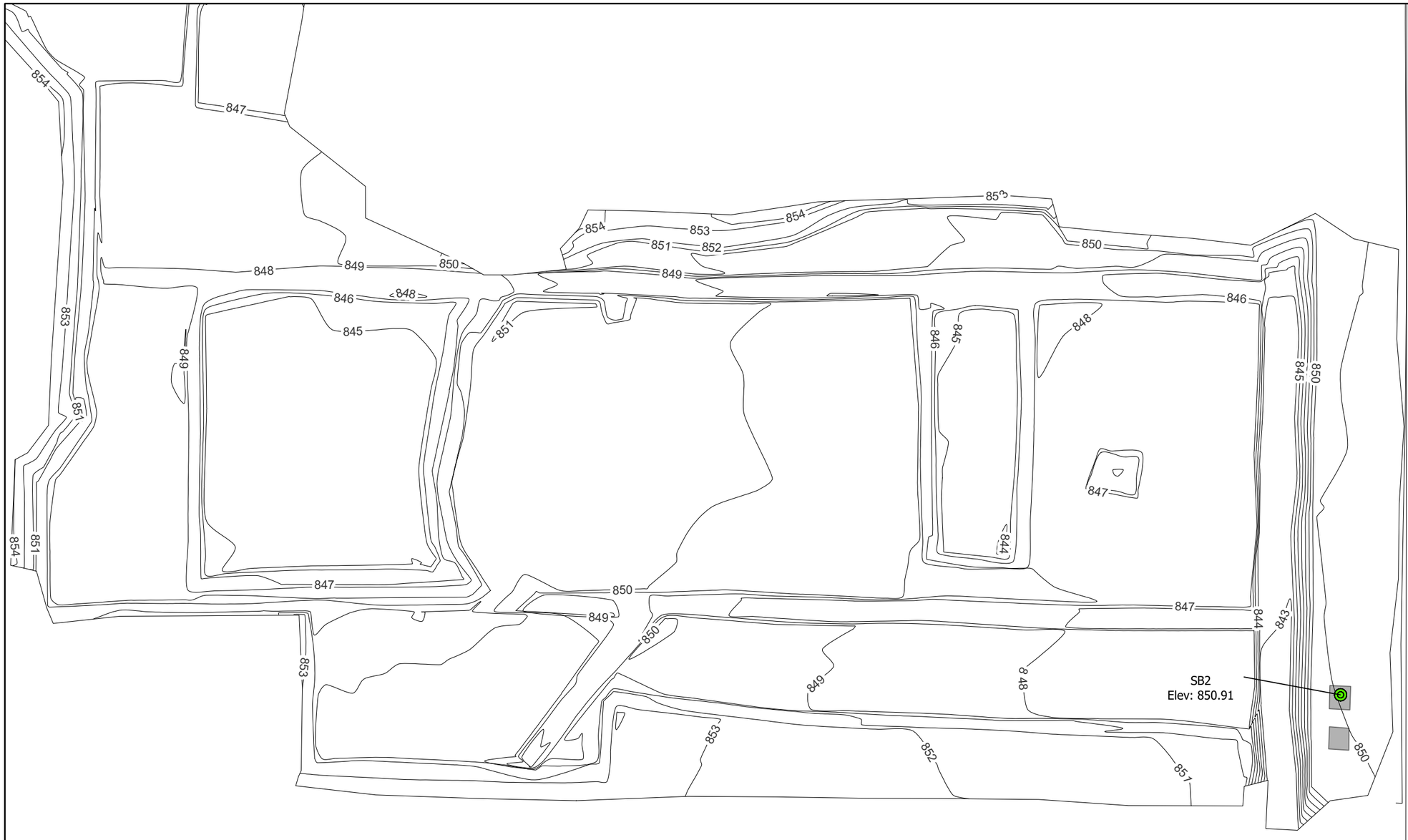
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Figure 2B

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- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - Metals (0.17-1 ft bgs)

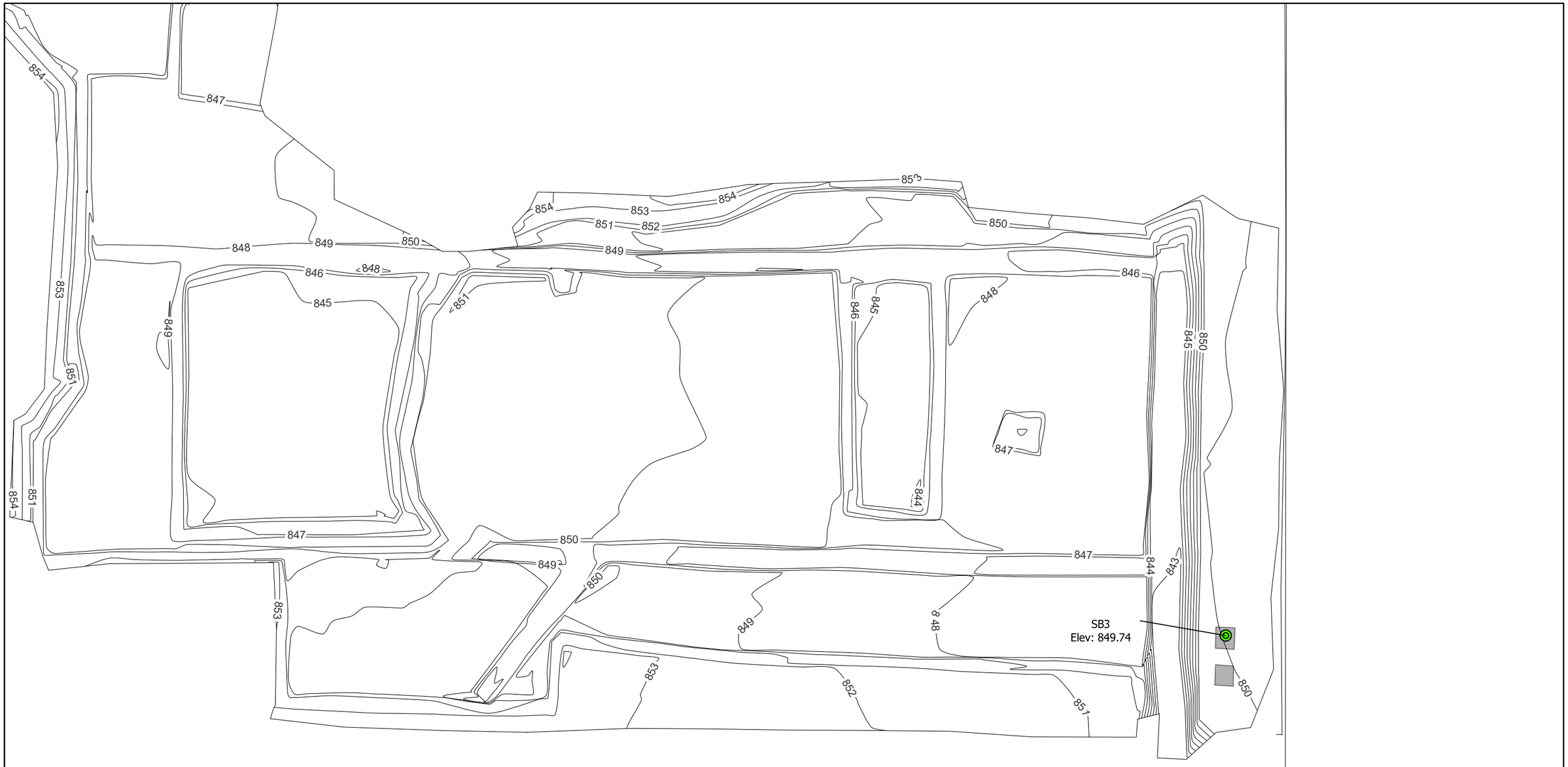
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Figure 2C

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- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - Metals (1-2 ft bgs)

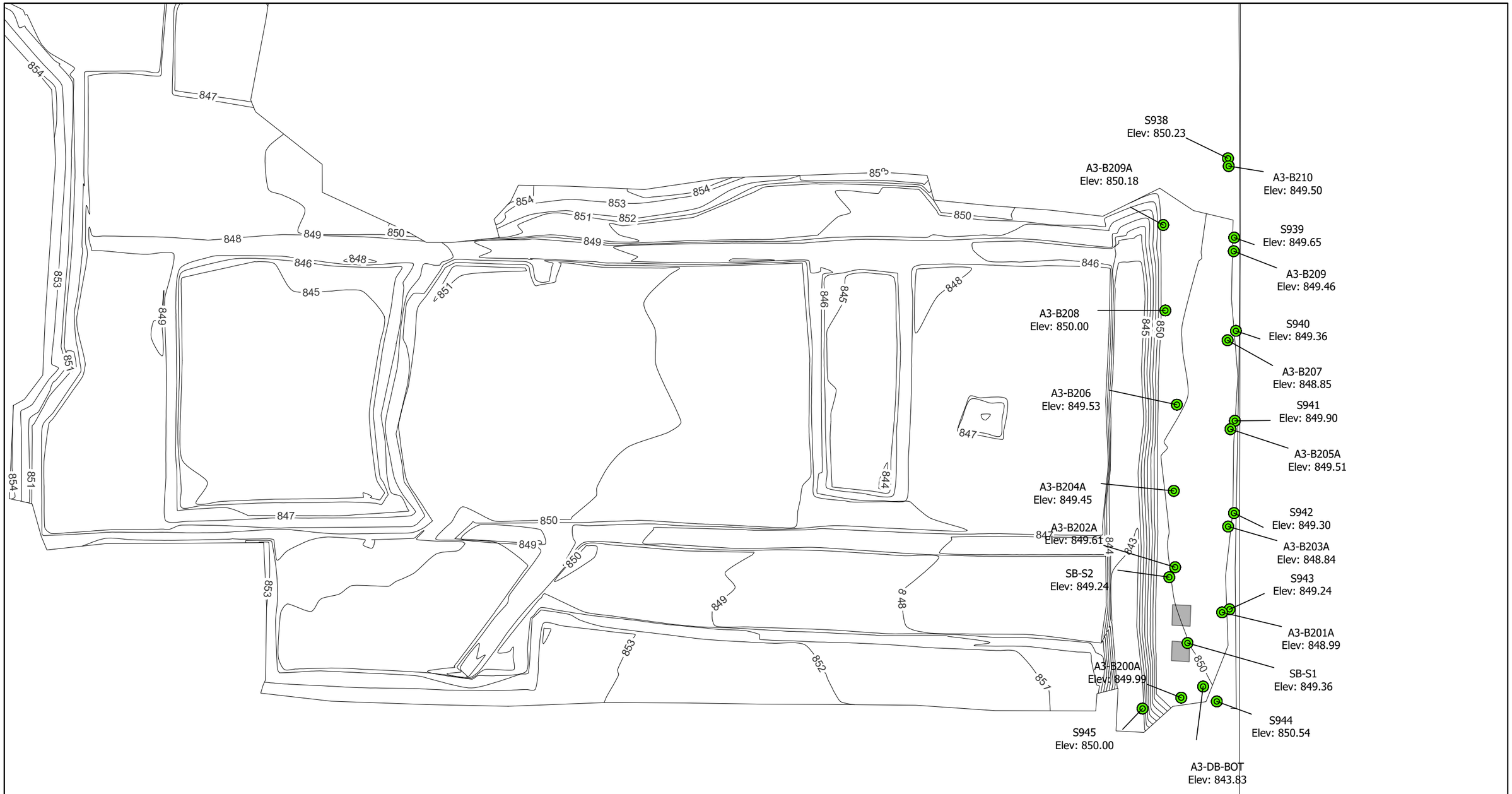
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Figure 2D

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3 Annex.aprx



- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed PoG SCO for PCE and/or TCE
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

ft bgs - Feet below ground surface
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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

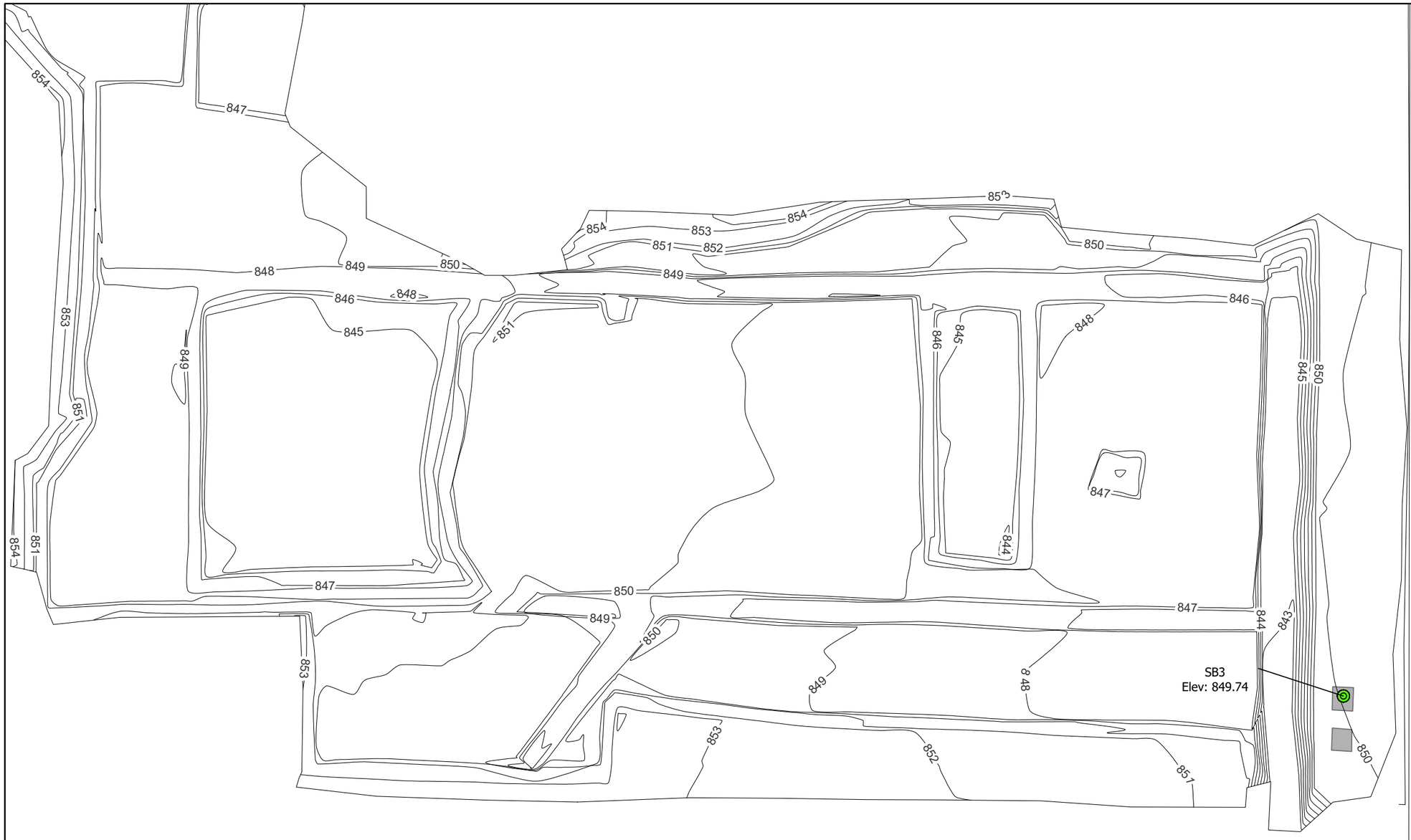
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Figure 3A

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- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed PoG SCO for PCE and/or TCE
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
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N

0 30 Feet

Confirmation Samples - VOCs (0-0.17 ft bgs)

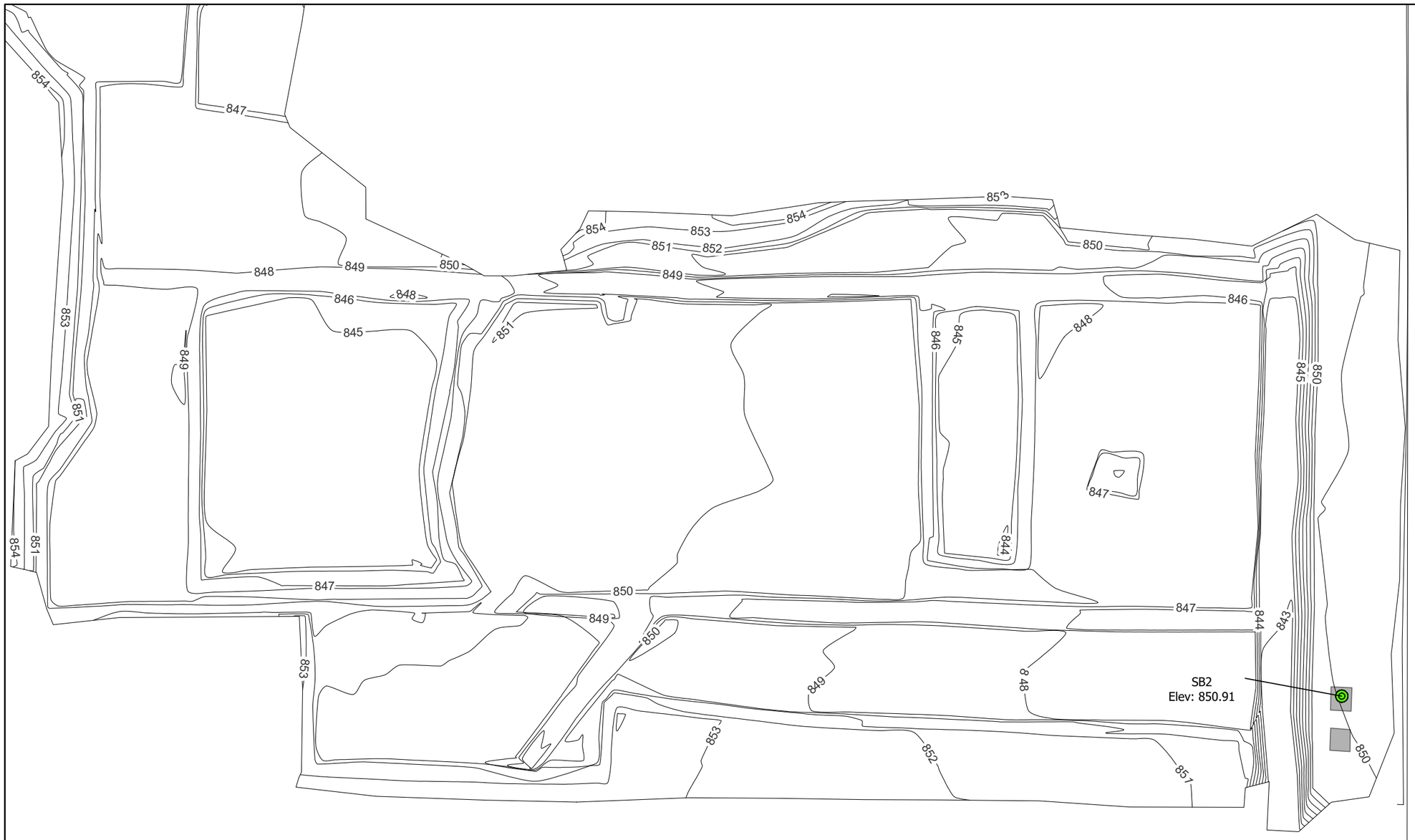
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Figure 3B

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- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed PoG SCO for PCE and/or TCE
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - VOCs (0.17-1 ft bgs)

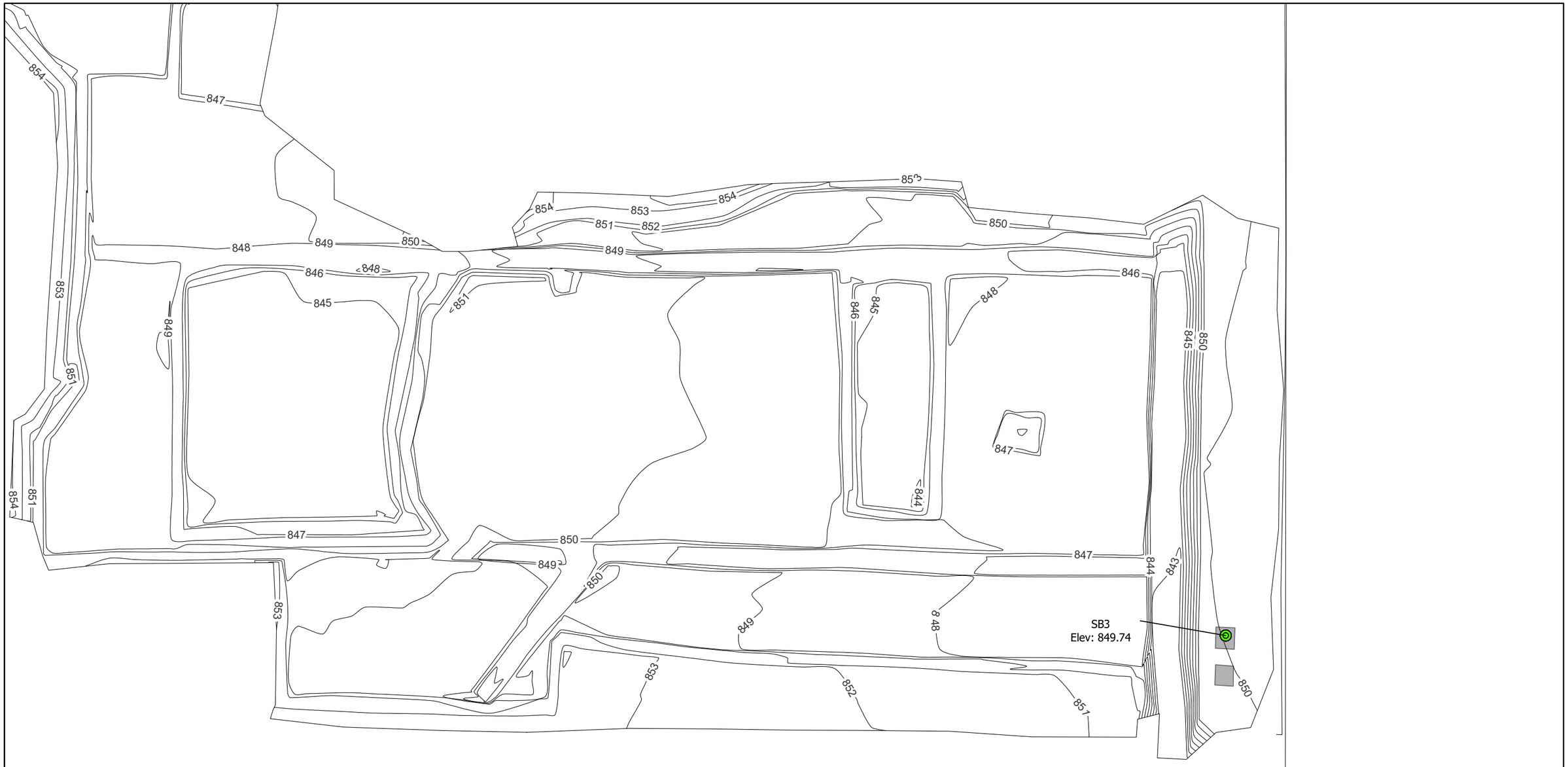
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Figure 3C

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- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed PoG SCO for PCE and/or TCE
- Exceeds RR SCO
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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - VOCs (1-2 ft bgs)

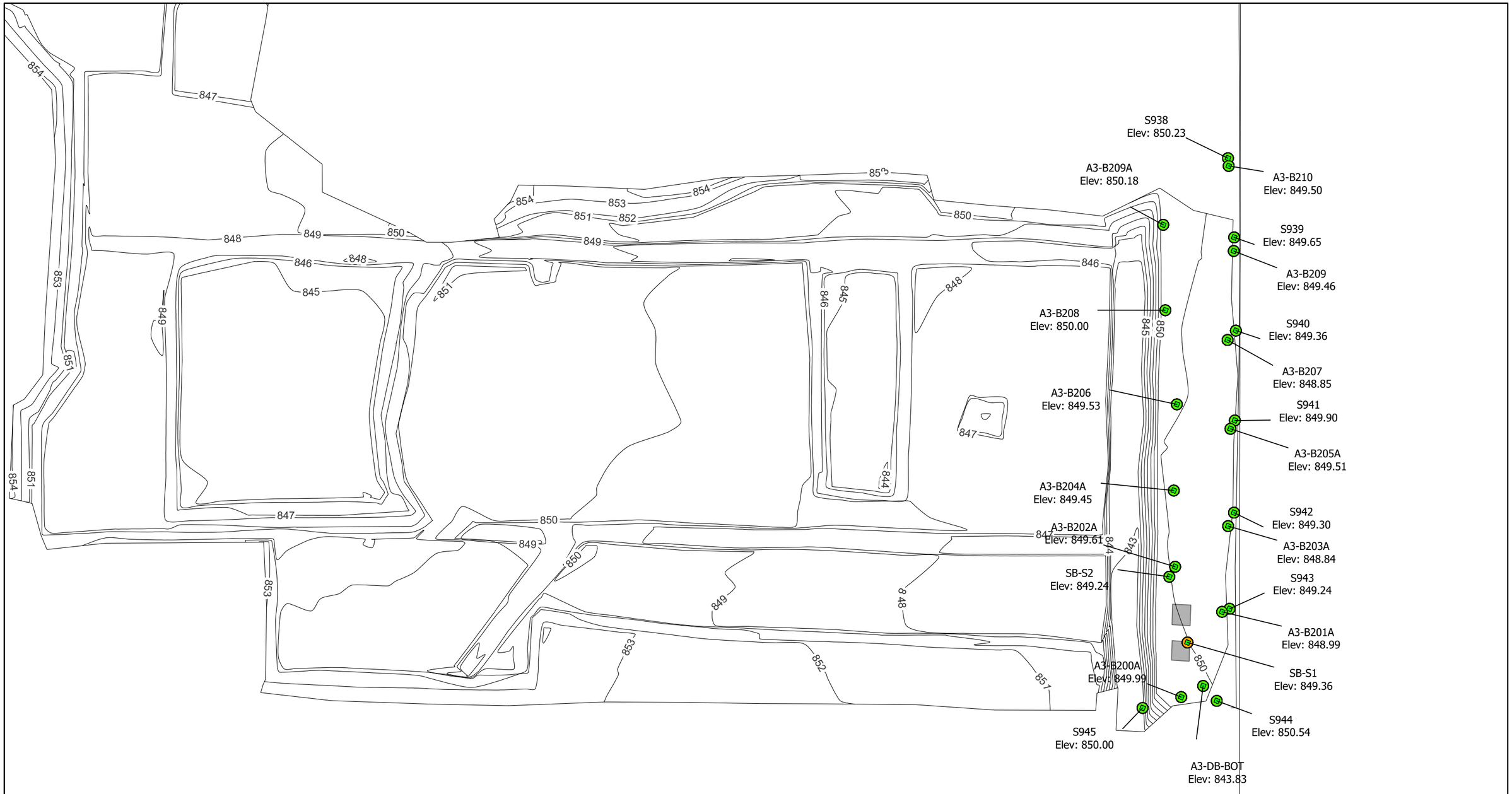
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Figure 3D

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- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg
- Exceeds RR SCO
- Does Not Exceed RR SCO
- As-Built Sub-Grade Elevation Contours
- Scoreboard Foundation

Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - SVOCs (0-2 ft bgs)

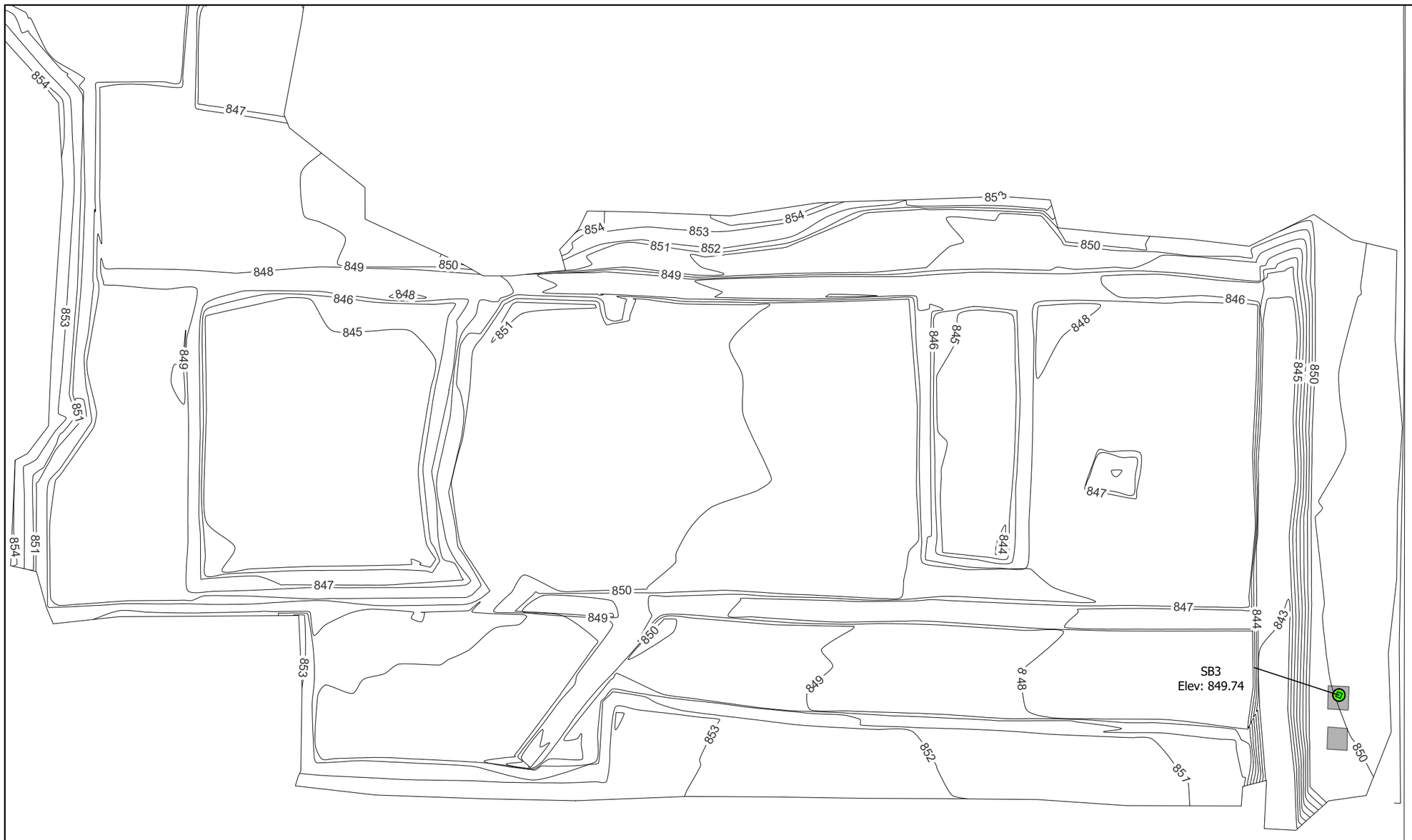
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Figure 4A

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- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg
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N

0 30 Feet

Confirmation Samples - SVOCs (0-0.17 ft bgs)

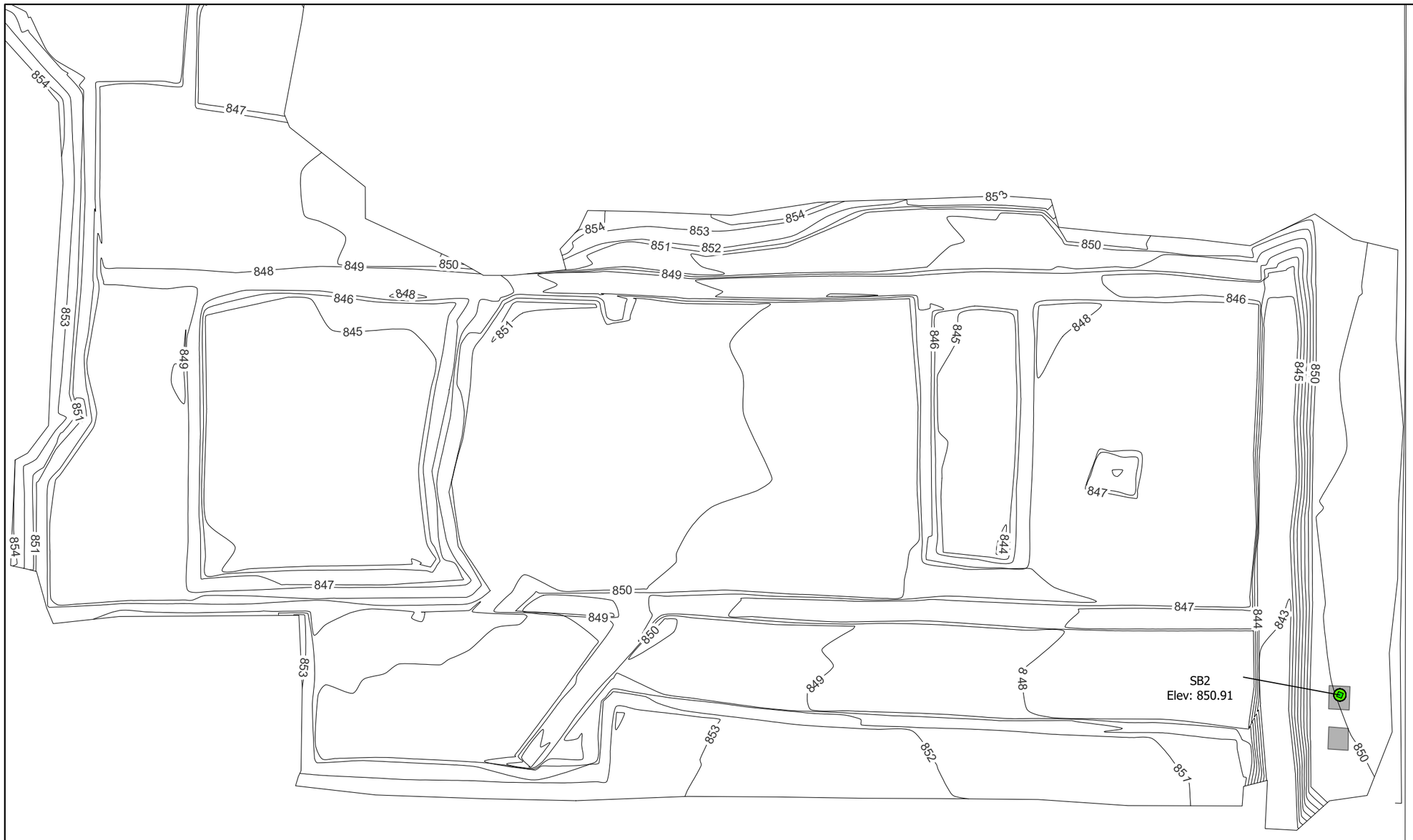
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Figure 4B

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- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg
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Notes

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TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - SVOCs (0.17-1 ft bgs)

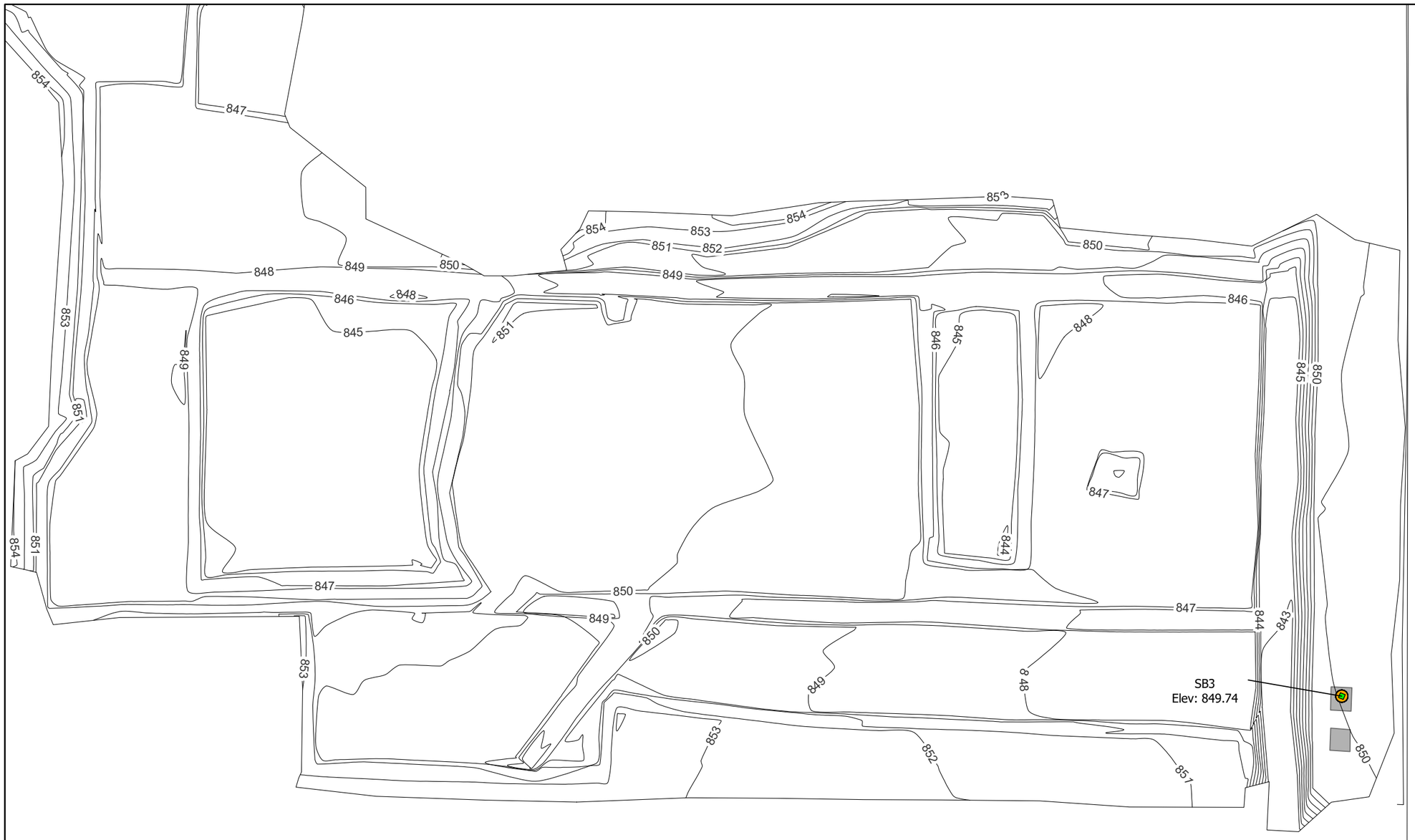
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Figure 4C

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- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg
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N

0 30 Feet

Confirmation Samples - SVOCs (1-2 ft bgs)

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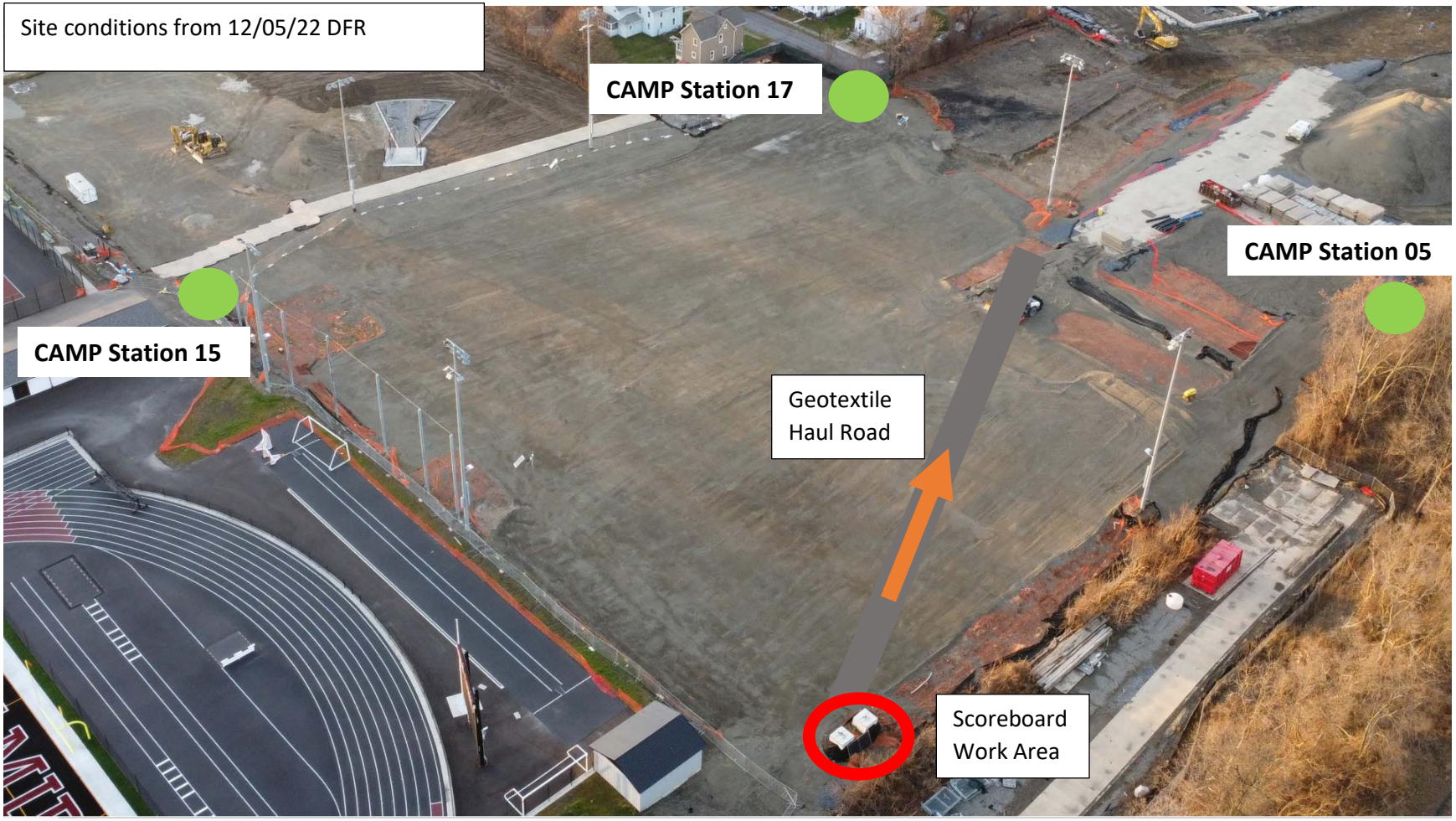
Figure 4D

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APPENDIX D

HAUL ROUTE AND CAMP LOCATIONS

APPENDIX D
FFC COVER SYSTEM ISMP NOTIFICATION / WORK PLAN ADDENDUM #7



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

Via E-mail

June 14, 2023

Mr. Andrew Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: ISMP Notification/Work Plan Elmira High School FFC Cover System
Addendum #8
Former Sperry Remington Site – North Portion (#c808022)
777 South Main Street, City of Elmira, Chemung County, NY

Dear Mr. Millspaugh:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with New York State Department of Health (NYSDOH), has completed its review of the document entitled "IMSP Notification/Work Plan Elmira High School FFC Cover System – Addendum #8", dated June 2, 2023 and **Approve as modified** below:

General Comment

1. Agency approval authorizes work within the BCP/property limits only.

Section 5.4 Soil Staging Methods (EWP G-4)

2. Geotextile or ploy sheeting must be placed on the ground below the temporary roll-off during loading activities.
3. Use of the temporary roll-off is limited to soils generated as part of this ISMP submittal.
4. The staged temporary roll-off must be inspected by the QEP on a weekly basis or after heavy rainfall.
5. The transport of soils via wheeled bucket loader will be directly supervised by the QEP, limited to ¾ capacity and decontaminated at the conclusion of work using exiting IRM infrastructure.

Section 5.15 Community Air Monitoring Plan (EWP G-15)

6. CAMP monitoring will be required during all soil handling and a CAMP location should be included downwind of the roll-off area during loading activities.
7. A figure with the proposed CAMP locations must be provided as part of the activity log for review prior to implementation of this work.

Within 10 days, please elect in writing your acceptance of the above Approved as Modified and provide a calendar schedule including report deliverables. Please contact me at (585) 226-5480 if you have any questions regarding this letter.

Sincerely,

Timothy Schneider, P.E.
Professional Engineer 1

J. Magliocca / S. Cyr
D. Pratt / M. Cruden / K. Zappia
S. Bogardus / J. Deming
K. Krueger / M. Howe / J. Huha

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #8

Prepared for:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared by:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Addendum #8 – 06/02/2023

Revisions to ISMP Notification/Work Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	5/20/2021	Updated location of new baseball field scoreboard due to inground structures.	5/25/2021
2	5/28/2021	Updated to include soil excavation by the ECSD contractor.	6/3/2021
3	4/6/2022	Updated to include removal of temporary concrete washout and soils adjacent to Fieldhouse 1.	4/12/2022
4	5/2/2022	Updated to include installation of posts for football netting surrounding field end zones.	5/4/2022
5	5/19/2022	Updated to include installation of posts for chain link and decorative fencing within the Football Field Complex.	5/26/2022
6	8/17/2022	Updated to include installation of Fieldhouse 2 trench drain.	8/19/2022
7	12/9/2022	Updated to include reconstruction of baseball field scoreboard foundation	2/6/2023
8	06/02/2023	Updated to include installation fence posts along the north and southeast of the football field and along the western boundary of the shotput/discus area.	

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ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #8

1.0 INTRODUCTION

This Addendum is submitted to the New York State Department of Environmental Conservation (NYSDEC) because the ISMP Notification/Work Plan for the EHS FFC Cover System dated March 30, 2021 (revised April 26, 2021), approved by the NYSDEC on May 4, 2021, is being amended to include fence post installation activities as part of the Capital Improvement Project by the Elmira City School District (ECSD).

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive activities:

1. The installation of approximately 210 feet of fencing with fence posts installed at a 10-foot spacing along the northern boundary of the football field (see Appendix A for the fence alignment). Approximately 23 fence posts will be installed consisting of augering post foundations to a depth of 5 feet below the final cover system grade. Post foundations will be excavated using 12-in diameter augers for regular fence post and 18-in diameter augers for end and corner posts. Each 12-in diameter foundation (approximately 18 posts) is estimated to generate 0.15 CY of soil, and each 18-in diameter foundation (approximately 5 posts) is estimated to generate 0.33 CY of soil. The total removed soil volume is estimated to be up to 4.4 CY. All augered soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste characterization sampling followed by offsite disposal. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Details 3 and 4 on Design Drawing No. L6.4 in Appendix B.

2. The installation of 1 fence post located southeast of the football field and south of the grandstands (see Appendix A for the post location). The fence post is being installed to support a pedestrian gate. The work consists of augering the post foundation to a depth of 5 feet below the final cover system grade. The post foundation will be excavated using a 12-inch diameter auger and is estimated to generate approximately 0.15 CY of soil. All augered soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste characterization sampling followed by offsite disposal. The boring will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the post in place. The installation details are provided as Detail 3 on Design Drawing No. L6.4 in Appendix B

3. The installation of approximately 200 feet of fencing with fence posts installed at a 10-foot spacing along the west boundary of the shotput/discus area (see Appendix A for the fence alignment). Approximately 21 fence posts will be installed consisting of augering post foundations to a depth of 5 feet below the final cover system grade. Post foundations will be excavated using 12-in diameter augers for regular fence post and 18-in diameter augers for end and corner posts. Each 12-in diameter foundation (approximately 19 posts) is estimated to generate 0.15 CY of soil, and each 18-in diameter foundation (approximately 2 posts) is estimated to generate 0.33 CY of soil. The total removed soil volume is estimated to be up to 3.5 CY. All augered soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste

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characterization sampling followed by offsite disposal. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Details 3 and 4 on Design Drawing No. L6.4 in Appendix B.

Soil removed from the fence post borings will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The fence alignments provided in Appendix A are located within the IRM5 and IRM5A2 excavation limits. The environmental condition and depth of completed IRM excavation is presented in IRM completion maps included in Appendix C. Based on the depths of post installation extending deeper than 2 feet below the final cover system grade, the installation is expected to encounter uncharacterized native soil. All soil removed from the fence post locations will be containerized into a lined roll-off dumpster for temporary staging on ECSD property to allow for waste characterization sampling followed by offsite disposal.

4.0 SCHEDULE

Construction activities described in this addendum will be initiated following NYSDEC approval. A completed ISMP Activity Log will be submitted indicating the actual start date. The work is expected to take approximately one week to complete. Completion documentation, including an as-built survey, is expected to be compiled for reporting to NYSDEC within 4 weeks of completing the fence post installation.

5.1 Notification (EWP G-1)

This Notification/Work Plan constitutes the notification to the NYSDEC required by Section G-1 of the ISMP/EWP for planned ground intrusive activities. Information contained in this notification was obtained primarily from Hunt Engineering (HUNT), engineering consultant for ECSD, and Geosyntec, environmental and engineering consultant for Unisys. The fence post installations, including soil excavation and transport to the designated staging areas, will be performed by ECSD's contractor.

5.2 Roles and Responsibilities (EWP G-2)

The Roles and Responsibilities are unchanged from the approved ISMP Notification/Work Plan and will be documented in a completed ISMP Activity Log prior to initiating the work. Based on current IRM activities, it is expected that Geosyntec will be unavailable to provide a Qualified Environmental Professional (QEP) for this ISMP activity. Therefore, STERLING will provide a QEP to oversee this ISMP activity and perform community air monitoring.

5.3 Soil Screening Methods (EWP G-3)

Soil screening of all soil removed during augering activities will be performed by a QEP and as described in, and as required by, Section G-3 of the ISMP/EWP.

5.4 Soil Staging Methods (EWP G-4)

Augered soil will be staged as described in, and as required by, Section G-4 of the ISMP/EWP. Prior to augering the post holes, geotextile fabric or poly sheeting will be placed along the fence post alignment.

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Holes will be cut through the fabric/sheeting at the fence post locations based on the auger size (i.e., 12-in or 18-in). During augering, the spoils will be collected on the surrounding fabric/sheeting. At the completion of augering, the soil will be transferred into an awaiting bucket loader or similar equipment to transport the soil to a centrally located lined roll-off. Once all soil is containerized in the lined roll-off, the roll-off will be tarped and relocated to a temporary staging area on ECSD property to allow for waste characterization sampling followed by offsite disposal. See Appendix D for temporary transit routes and staging areas. Uncharacterized soil will not be transported for offsite storage. CAMP monitoring will be performed during ground intrusive activities by the QEP, as described in Section 5.15.

5.5 Materials Excavation and Load-Out (EWP G-5)

Load-out of augered soil will be performed by the ECSD contractor, and as described in, and as required by, Section G-5 of the ISMP/EWP. Soil will be containerized in a lined roll-off that will be tarped and then relocated to a designated location on ECSD property for temporary staging to allow for waste characterization sampling. The transit route and temporary staging area is shown in Appendix D. Once characterized, the soil will be relocated to the STCC MSA for staging with other IRM soils pending offsite disposal. Geosyntec and the Unisys remedial contractor will be responsible for load-out and offsite disposal following waste characterization.

5.6 Materials Transport Off-Site (EWP G-6)

Transportation of the excavated soil will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. Geosyntec or the Unisys remediation contractor will coordinate for transportation of the excavated soil for offsite disposal following waste characterization.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of augered soil. Excavations of uncharacterized native soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs. Augered soil will be managed in a lined roll-off dumpster for temporary staging on ECSD property to allow for waste characterization sampling followed by offsite disposal. Geosyntec or the Unisys remediation contractor will coordinate for transportation of the excavated soil for offsite disposal following waste characterization. The likely landfill for disposal is Hyland Landfill in Ontario, NY, operated by Casella Waste Systems.

5.8 Material Reuse On-Site (EWP G-8)

If on-site reuse of augered soils from fence post locations is contemplated, the NYSDEC will be informed and laboratory analyses will be performed to determine whether the soil meets the criteria for reuse on-site, either within a soil cover system, or as fill material below a soil cover system, in accordance with Section G-8 of the ISMP/EWP. Soil quality would need to meet the requirements in NYSDEC DER-10 Appendix 5 to be reused. The number and type of soil samples would be in accordance with Section G-8 of the ISMP/EWP. A Request to Import/Reuse Fill or Soil form would be submitted to the NYSDEC for approval if reuse of the soil onsite is supported by the laboratory analytical data.

5.9 Confirmation Sampling (EWP G-9)

Confirmation sampling will not be performed during the post installation activities because the nature of the work does not allow collection of native soil from the completed boreholes.

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5.10 Fluids Management (EWP G-10)

Following augering at each location, loose soil is to be dry-brushed from the auger over geofabric or poly sheeting to prevent cross-contamination. If needed, the auger will be wrapped in poly sheeting while in transit between boring locations to prevent residual soil from contacting the ground surface.

Fluid management is not expected with the proposed ISMP work. Post holes will not extend to the groundwater table. Equipment that comes into contact with native soils will be limited to the augers, which will be decontaminated by dry methods over geofabric or poly sheeting to remove any loose soil to prevent cross-contamination.

No wet decontamination will occur outside of active IRM work areas.

5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in accordance with the details shown on Design Drawing L6.4, provided in Appendix B, and in compliance with Section G-11 of the ISMP/EWP. The cover system for this activity will consist of poured concrete for the full augered depth of the post foundation.

A demarcation layer is required as described in Section G-11 of the Excavation Work Plan "to provide a visual reference to the top of the remaining contamination zone". The installation of a demarcation layer is not feasible within the post borings and the poured concrete will serve as demarcation to the top of the remaining contamination zone for specific post locations extending into uncharacterized soil.

As-built documentation from a NYS licensed land surveyor will be provided for all restored Engineering Controls, per Section G-11 of the ISMP/EWP.

5.12 Backfill from Off-Site Sources (EWP G-12)

The detail shown on Drawing L6.4, provided in Appendix B, indicates that the augered post borings will be backfilled with concrete surrounding a sleeve to hold the posts in place. No imported backfill is required to install the posts.

5.13 Stormwater Pollution Prevention (EWP G-13)

A Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) has been submitted to the NYSDEC Division of Water (DOW) for the FFC project by ECSD. No changes have been made to the SWPPP.

5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during soil excavation, or if groundwater is encountered and ponds within the excavation, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

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5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. Daily CAMP monitoring data will be provided to NYSDEC.

The augering activities, post installation activities, backfilling, and cover restoration have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent to the work zone. The following controls will be implemented, as applicable, for community protection:

- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that augering or soil load-out occurs.

CAMP monitoring equipment will be placed in the vicinity of the active work area to monitor particulate concentration. Monitoring locations will be adjusted daily based on the wind direction. Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to reduce or eliminate dust or airborne particulates during ground intrusive activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

The work area will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures will include temporary fencing around the work zone to prevent access to the work zone by unauthorized personnel.

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APPENDIX A

FENCING INSTALLATION LOCATIONS

One Fence Post Installation

Northern FFC Fence Installation - see Drawing CA-L16R for revised alignment.

Discus/Shot-Put area fencing.

ALTERNATE 1

ALTERNATE 2

ALTERNATE 2

SOUTH MAIN STREET

PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH CHEMUNG COUNTY REQUIREMENTS.

NO CHAINLINK UNDER THIS SECTION

MAINTENANCE VEHICLES ONLY

FIELDHOUSE #1

FIELDHOUSE #2

PRESSBOX

TICKET BOOTH

DUGOUT

~OUTFIELD GRASS~

~DIRT INFIELD~

~INFIELD GRASS~

~CONCRETE SIDEWALK~

~CONCRETE~

~ASPHALT~

~BUILDING~

~MULCH~

~BRICK~

6' CHAIN LINK FENCE

STREET BOUNDARY

1 SITE IMPROVEMENT PLAN

SCALE: 1"=30'

SITE IMPROVEMENT NOTES

1. PROVIDE 5' THICK FIBER REINFORCED CONCRETE SIDEWALK AND SUBBASE, SEE DETAIL 1/L6.4.
2. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 2/L6.4.
3. PROVIDE 6' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4
4. PROVIDE 4' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4. FENCE AROUND TRACK TO HAVE BOTTOM RAIL.
5. PROVIDE VINYL COATED, 10' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
6. PROVIDE VINYL COATED, 4' WIDE, SINGLE MAN GATE WITH STRONG ARM LATCH, SEE DETAIL 5/L6.4.
7. PROVIDE CUSTOM CROSS KNOTLESS NETTING BY SPORTSFIELD SPECIALTIES ON EXISTING POLES. NETTING TO TIE INTO TOP OF CHAINLINK FENCE TO TOP OF EXISTING POLES. VERIFY TOTAL HEIGHT OF EXISTING BASEBALL NETTING POLES IN FIELD.
8. PROVIDE CONCRETE MOW STRIP UNDER FENCE, SEE DETAIL 7/L6.4.
9. PROVIDE HOME GRANDSTAND, CONCRETE PAD, AND FOUNDATIONS. SEE DETAIL 1/L7.1.
10. PROVIDE ALL ALUMINUM SUPPORTED VISITOR BLEACHERS, CONCRETE PAD, AND MEDIA PLATFORM, SEE DETAILS ON SHEET L7.2.
11. PROVIDE TRACK SURFACING TO BE BLACK WITH CUSTOM COLOR EXCHANGE ZONES, SEE SPECIFICATIONS. COORDINATE ELEVATIONS WITH SURFACING INSTALLER. SEE DETAIL 8+12/L6.5.
12. PROVIDE SYNTHETIC TURF SYSTEM INCLUDING PAD. GRAPHICS TO INCLUDE CENTER LOGO WITH CUSTOM RED COLOR, AND ZONE LETTERING, (CUSTOM RED LETTERS, WHITE OUTLINE, BLACK BACKGROUND), SIDELINE LETTERING, GHOST 44 YARD LINE, DROP SHADOW YARD NUMBERS INCLUDING RED. SEE DETAIL 1/L6.3, 18/L6.2, AND 9/L6.5. PROVIDE DRAINAGE STONE AND FLAT PANEL DRAIN AND CURBING. CUSTOM RED COLOR TO BE PANTONE 1955C.
13. PROVIDE 8' TALL REMOVABLE BACKDROP BALL NETTING BY SPORTSFIELD SPECIALTIES. PROVIDE BREAKS IN NETS AT CORNERS, SEE DETAIL 3/L6.5.
14. PROVIDE FLUSH CONCRETE CURB NAILER AT D-ZONES. PROVIDE THE 8' TALL BACKDROP BALL NETTING CENTERED IN CONCRETE, SEE DETAIL 3+15/L6.5.
15. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD / VIDEO BOARD FOR STADIUM, SEE DETAIL 10/L6.4.
16. PROVIDE PLAY CLOCKS, POSTS, AND FOUNDATIONS AT ENDS OF D-ZONES, SEE DETAIL 9/L6.4.
17. PROVIDE YELLOW ROTATING FIELD GOAL POSTS AND PADS WITH LETTERING. SEE DETAIL 1/L6.5.
18. PROVIDE SOCCER GOALS WITH SAFETY SYSTEM AND MOBILITY KIT BY SPORTSFIELD SPECIALTIES.
19. PRESSBOX / FIELDHOUSE #1 SEE ARCHITECTURAL DRAWINGS.
20. PROVIDE STEEPLECHASE PIT USING MODULAR FORMING SYSTEM, PIT HURDLE, PIT COVERS, AND 4 STEEPLE BARRIER SET, SEE DETAIL 4/L6.3.
21. PROVIDE JUMP PITS, SAND CATCHES, AND COVERS, SEE DETAIL 4/L6.5
22. MEMORIAL WALL SEE ARCH.
23. PROVIDE POLE VAULT RUNWAY STRIPING, PLANT BOX, AND STANDARDS FORMING KIT BY SPORTSFIELD SPECIALTIES, SEE DETAIL 7/L6.5.
24. PROVIDE DISCUS THROW RING, CAGE, NETTING, AND 14' TALL EXTENSION NETTING BY SPORTSFIELD SPECIALTIES, SEE DETAIL 10+1/L6.5.
25. PROVIDE SHOT PUT THROW RING CAGE, NETTING, AND STONE DUST LANDING AREA, SEE DETAIL 5,6+8/L6.5.
26. (ALTERNATE 3) - PROVIDE (5) CHARLIE TABLES BY LANDSCAPE FORMS. MOUNT TABLES TO ASPHALT VIA DRILLING AND GROUT.
27. PROVIDE 35-FOOT-TALL FLAG POLE, SEE DETAIL 6/L6.4.
28. PROVIDE 8' WIDE 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
29. PROVIDE 20' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
30. PROVIDE 3'x3' VINYL COATED CHAINLINK DOOR THROUGH FENCE AT 24' ABOVE GRADE AT LOCATIONS SHOWN. DOORS TO BE EQUIPPED WITH STRONG ARM LATCH.
31. PROVIDE MEMORIAL BOULDER ON 8" THICK CONCRETE PAD, SEE DETAIL 2/L6.3. BOULDER REINSTALLED BY SOIL REMEDIATION CONTRACTOR.
32. PROVIDE CONCRETE PAD, SEE STRUCTURAL DETAIL 7/S3.1.
33. PROVIDE 4" DEEP COMPACTED CRUSHER RUN ON MIRAFI 500X AS SHOWN OR APPROVED EQUAL.
34. PROVIDE ACCESSIBLE LINE STRIPING, SYMBOLS, AND SIGNAGE AS SHOWN, SEE DETAIL 6/L6.4.
35. PROVIDE 4" WIDE WHITE LINE STRIPING.CONFIRM STRIPING COLOR AND LAYOUT WITH OWNER PRIOR TO STRIPING.
36. PROVIDE "AUTHORIZED VEHICLES ONLY" SIGNAGE, SEE DETAIL 13/L6.5.
37. PROVIDE STOP SIGN AND STOP BAR, SEE DETAIL 12/L6.4.
38. PROVIDE DIRECTIONAL ARROW LINE PAVEMENT MARKINGS TYPICAL AS SHOWN, SEE DETAIL 1 6/L6.5.
39. PROVIDE 6' - 12" DIA. RIP-RAP ON GEOTEXTILE FABRIC, SEE DETAIL 3/L6.3.
40. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD FOR BASEBALL, SEE DETAIL 1 1/L6.4.
41. NOT USED.
42. PROVIDE 14' WIDE, 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
43. PROVIDE 24' WIDE 6' TALL TRANSPORT 11 MAJESTIC SLIDE GATE BY AMERISTAR OR APPROVED EQUAL, SEE DETAIL 8/L6.3.
44. PROVIDE 6' TALL, MONTAGE PLUS FENCING BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 6/L6.3. SEE ARCH DRAWINGS FOR PILLARS.
45. PROVIDE TACTILE WARNING AND CURB RAMP, SEE DETAIL 9/L6.3.
46. PROVIDE 9' TALL VINYL COATED CHAINLINK FENCE WITH BLACK PRIVACY SLATS. FENCE TO BE BASE PLATE MOUNTED TO CONCRETE SIDEWALK - COLOR BLACK, SEE DETAIL 3/L6.4.
47. PROVIDE FOUR BOLLARDS AROUND TRANSFORMER, SEE DETAIL 2/L6.2 #10/L6.3.
48. PROVIDE INTEGRAL CONCRETE CURB, SEE DETAIL 11/L6.3.
49. NOT USED.
50. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE, COLOR BLACK, SEE DETAIL 3/L6.4.
51. PROVIDE ASPHALT PAVEMENT AND SUBBASE TO MATCH WHAT IS IN STREET SECTION.
52. PROVIDE LIGHT POLES, FIXTURES, AND POLE BASES. SEE ELECTRICAL PLANS, SEE DETAIL 2/L6.2.
53. NOT USED
54. PROVIDE VINYL COATED, 12' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH. SEE DETAIL 4/L6.4.

GENERAL NOTES:

1. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.

SCALE IN FEET

0 15 30 60 90

SCALE: 1" = 30'

DRAWN BY :	SSV
CHECKED BY :	LG
DATE :	6/30/2020
SCALE :	AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	
2	12/29/2020	REISSUED FOR BID	

Unauthorized Alteration Or Addition To Plans, Drawings, Or Specifications Shall, In A Violation Of Section 7209 Of The New York State Education Law.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 Ph 607-358-1000 Ph 607-358-1000 Offices Rochester | Horseheads | Towanda

SITE IMPROVEMENT PLAN

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS

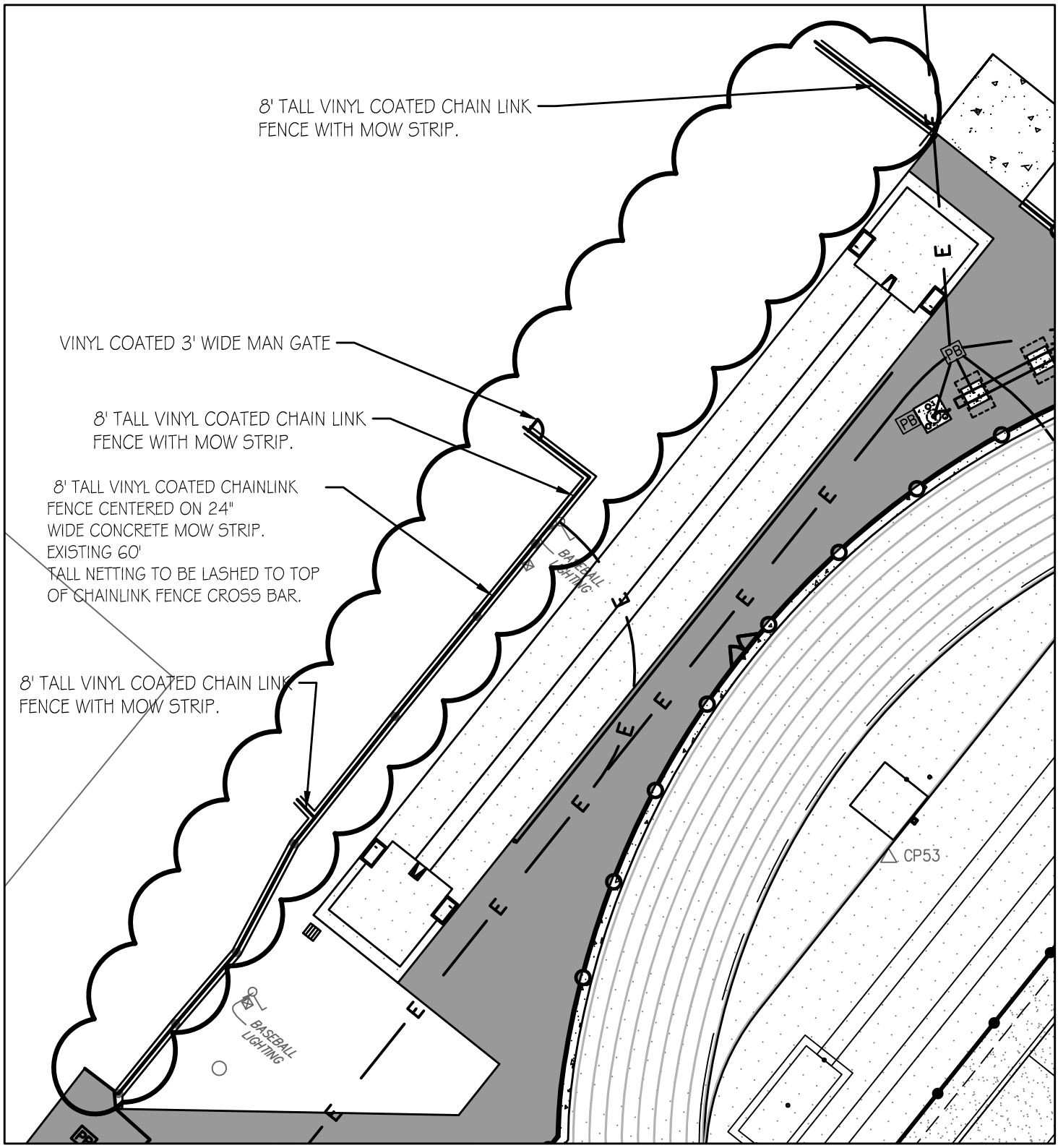
ELMIRA CITY SCHOOL DISTRICT

777 SOUTH MAIN STREET, ELMIRA, NY 14904

L2.1

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE #1 SED # 07-06-00-01-2-044-002 / FIELDHOUSE #2 SED # 07-06-00-01-7-079-001 / PRESSBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-079-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-081-001



NORTH FENCE REVISION

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS

ELMIRA CITY SCHOOL DISTRICT

777 SOUTH MAIN STREET, ELMIRA, NY, 14904

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TOWANDA, PA 570 - 265 - 4868

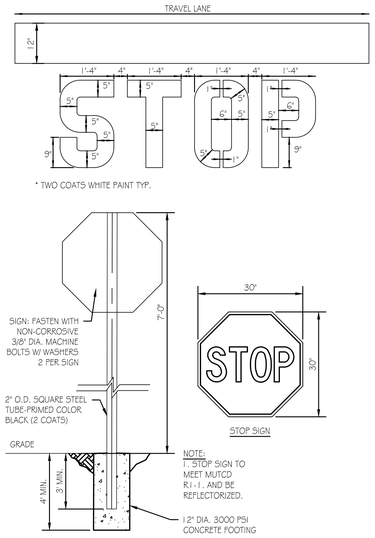
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DATE: 5/4/23

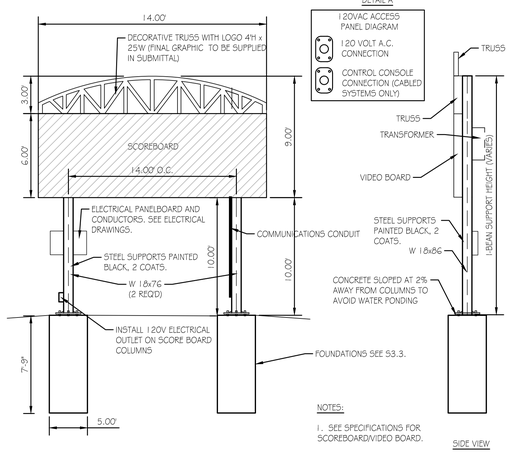
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APPENDIX B

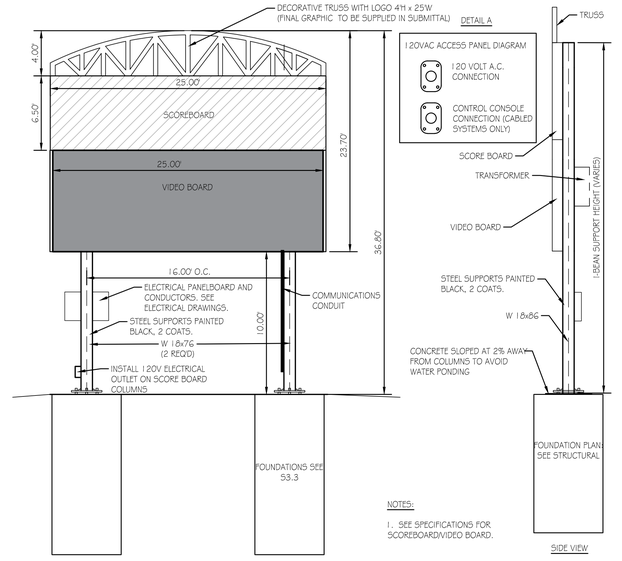
2020 CAPITAL IMPROVEMENTS CONSTRUCTION DRAWINGS



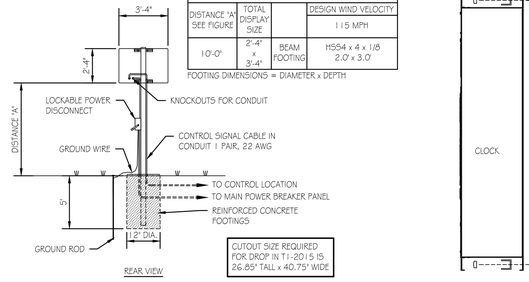
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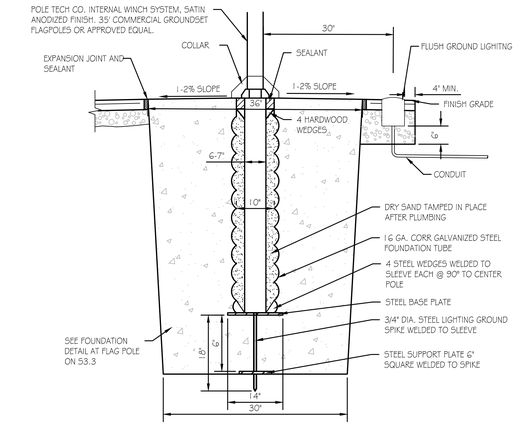
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10 STADIUM SCOREBOARD
SCALE: N.T.S.



9 PLAY CLOCK
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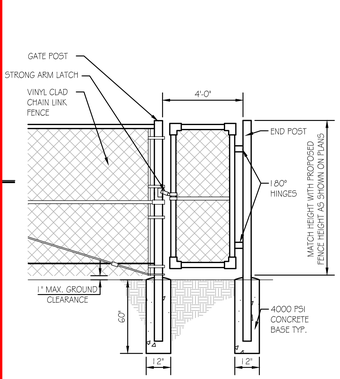


FLAGPOLE		
EXPOSED HEIGHT	OVERALL LENGTH	FLAG SIZE
35'-0"	38'-1/2"	5' x 8'

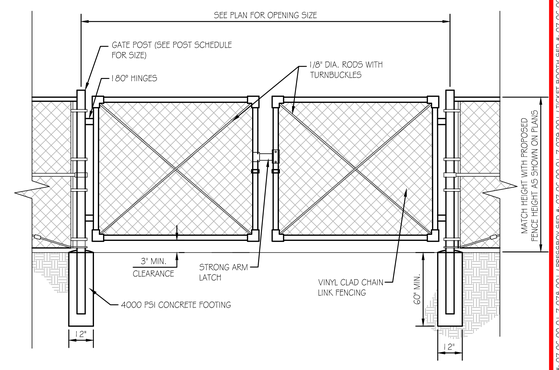
8 FLAG POLE DETAIL
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7 CONCRETE MOW STRIP UNDER FENCE
SCALE: N.T.S.

6 ACCESSIBLE PARKING SIGNAGE AND LAYOUT
SCALE: N.T.S.



5 MAN-GATE W/ STRONG ARM LATCH
SCALE: N.T.S.



4 DOUBLE SWING GATE WITH STRONG ARM LATCH DETAIL
SCALE: N.T.S.

3 CHAIN LINK FENCE DETAILS
SCALE: N.T.S.

2 STANDARD DUTY ASPHALT PAVEMENT
SCALE: N.T.S.

1 CONCRETE SIDEWALK
SCALE: N.T.S.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 Ph 607-358-1800 Offices Rochester | Horseheads | Towanda

DRAWN BY :	SSV
CHECKED BY :	LG
DATE :	6/30/2020
SCALE :	AS NOTED

Copyright - 2020
Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architect's Seal, Is A Violation Of Section 7209, Subdivision 2 Of The New York State Education Law.

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	
2	12/09/2020	REISSUED FOR BID	
3			
4			
5			
6			
7			
8			

SITE DETAILS
ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS
ELMIRA CITY SCHOOL DISTRICT
777 SOUTH MAIN STREET, ELMIRA, NY 14904

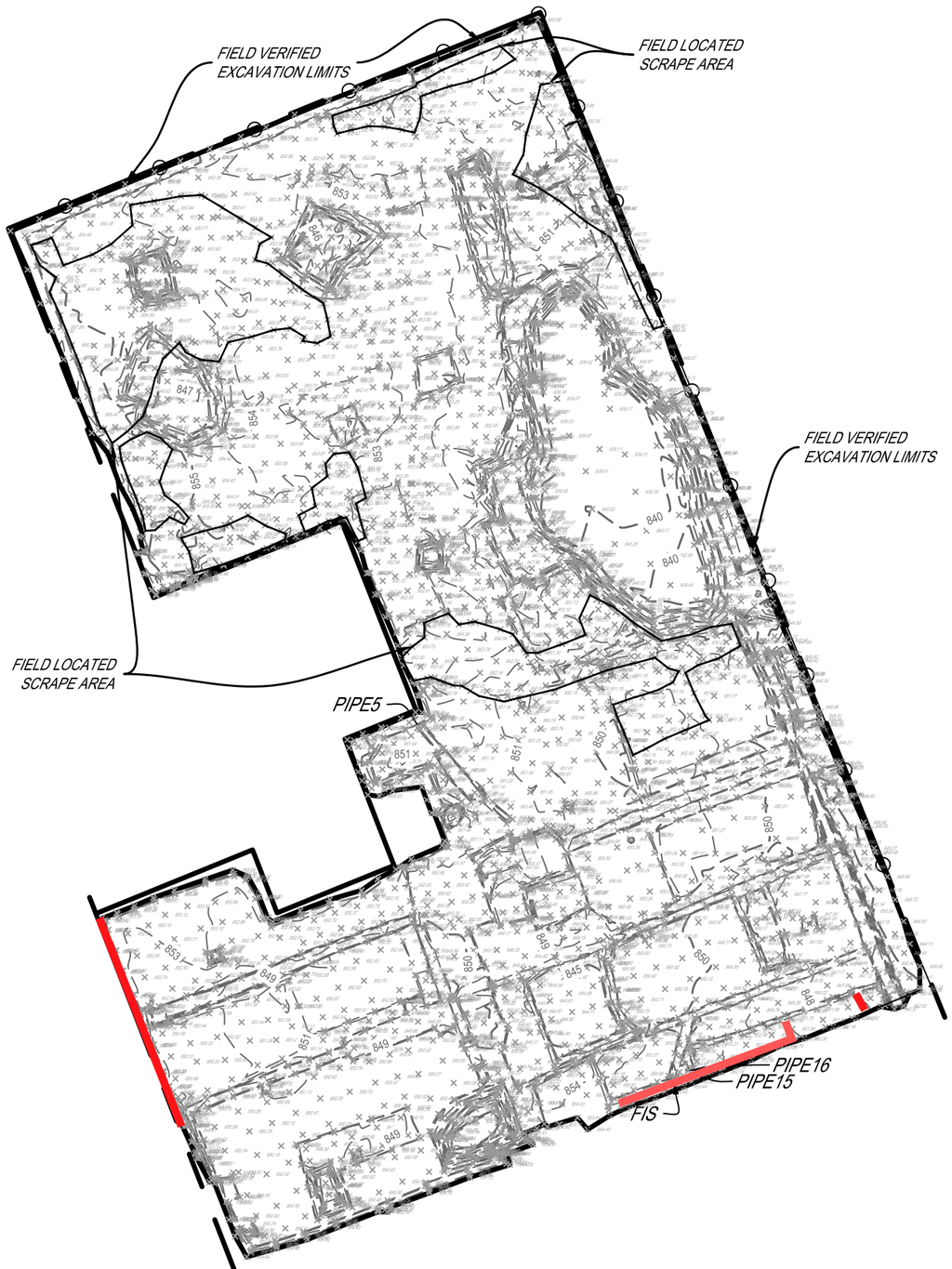
L6.4

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE # SED # 07-06-00-01-2-044-002 / FIELDHOUSE #2 SED # 07-06-00-01-7-078-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-081-001 / FIELDHOUSE #2 SED #

APPENDIX C

IRM COMPLETION DRAWINGS



LEGEND:

- CONCRETE MONUMENT
- EXISTING IRON PIN
- EXISTING IRON PIPE
- 5/8" REBAR WITH SURVEY CAP SET
- MANHOLE
- CATCH BASIN
- WATER OR GAS VALVE
- UTILITY POLE
- UTILITY POLE W/STREET LIGHT
- UTILITY POLE ANCHOR
- FIRE HYDRANT
- STREET SIGN
- BURIED CABLE MARKER
- SURVEY CONTROL POINT
- FENCE LINE
- CONTOUR LINE
- × 849.31 — NAVD88 GROUND ELEVATION IN FEET
- S001 — SAMPLE LOCATIONS (HORIZONTAL VALUES ONLY)

GRID NORTH — STATE PLANE, NYC

NOTES:

- SUB GRADE SURFACE REFLECTS FIELD LOCATIONS MADE 11-4, 11-10, 11-17 & 12-10 2021 AND 3-4, 3-28, 4-5, 6-14, 6-22, 7-1, 7-19, 8-5, 8-22, 9-2, 9-8, 9-26, 10-14, 11-14, 11-18, 12-14 & 12-27 2022 AND 1-13, 3-2, 4-26, 5-1 & 5-4 2023

- TO DATE EXCAVATED VOLUME= 92,350 CUYD

SCALE: 1" = 125'

0 50 125 250 375

DATE 5-5-2023

HUNT
ENGINEERS • ARCHITECTS • SURVEYORS
AIRPORT CORPORATE PARK, 100 HUNT CENTER
HORSEHEADS, NEW YORK 14845
607•358•1000
FAX•358•1800

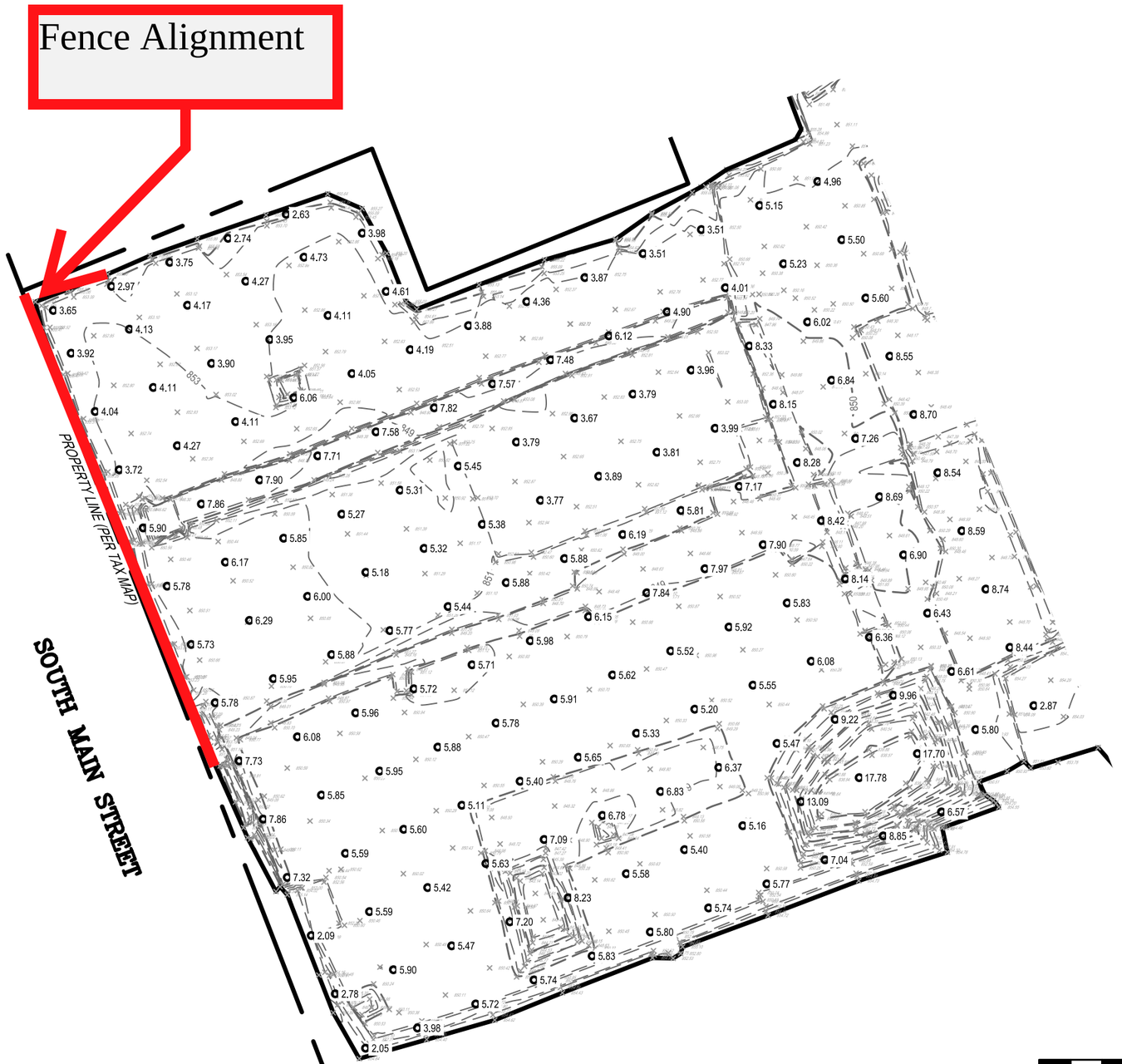
PARTIAL EXCAVATION DEPTHS

IRM5A2 REMEDIATION AREA

NORTH ATHLETIC FIELDS

ELMIRA HIGH SCHOOL

SCALE:	DWG.BY:	CHK.BY:	TAX PARCEL NO:	JOB NO:
1" = 125'	S.D.L.			5659-004



LEGEND:

- CONCRETE MONUMENT
- EXISTING IRON PIN
- EXISTING IRON PIPE
- 5/8" REBAR WITH SURVEY CAP SET
- MANHOLE
- CATCH BASIN
- WATER OR GAS VALVE
- UTILITY POLE
- UTILITY POLE W/STREET LIGHT
- UTILITY POLE ANCHOR
- FIRE HYDRANT
- STREET SIGN
- BURIED CABLE MARKER
- SURVEY CONTROL POINT
- FENCE LINE
- CONTOUR LINE
- × 849.31 NAVD88 GROUND ELEVATION IN FEET
- 3.09 FILL DEPTH SPOT LOCATIONS

GRID NORTH — STATE PLANE, NYC

NOTES:

– SUB GRADE SURFACE REFLECTS FIELD LOCATIONS MADE 11–4, 11–10, 11–17 & 12–10 2021 AND 3–4, 3–28, 4–5, 6–14, 6–22, 7–1, 7–19, 8–5, 8–22, 9–2, 9–8 & 9–26 2022

– FILL DEPTH SPOT LOCATIONS WERE DERIVED FROM THE COMPARISON OF 3D SURFACES. SUB GRADE 3D SURFACE WAS CREATED FROM SURVEY MEASUREMENTS TAKEN WHEN EXCAVATION WAS AT FULL DEPTH AND PROPOSED FINISHED GRADE 3D SURFACE WAS PROVIDED. THE SUBSEQUENT COMPARISON OF THESE TWO 3D SURFACES RESULTS IN THE FILL DEPTHS (SOIL COVER) SHOWN.

– PROPOSED FINISHED GRADE SURFACE PROVIDED BY HUNT–EAS SEE BID DOCUMENTS FOR PROJECT NUMBERS 2012–228 & 2012–238.

SCALE: 1" = 50'

0 25 50 100 150

DATE 10-14-2022

HUNT
ENGINEERS • ARCHITECTS • SURVEYORS
AIRPORT CORPORATE PARK, 100 HUNT CENTER
HORSEHEADS, NEW YORK 14845
607•358•1000
FAX•358•1800

SOIL COVER TO FINISHED GRADE

IRM5A2 REMEDIATION AREA

SHOT & DISCUS AREA / PARKING LOT AREA

ELMIRA HIGH SCHOOL

SCALE:	DWG.BY:	CHK.BY:	TAX PARCEL NO:	JOB NO:
1" = 50'	S.D.L.			5659–004

Fence Post Location

To be addressed in IRM 6

Electric pull box

Legend

Historical In-Situ PCB Exceedances (0-2 ft bgs)

- < 1 mg/kg
- 1-10 mg/kg
- 10-50 mg/kg
- >50 mg/kg

Historical In-Situ PCB Exceedances (0-2 ft bgs)

- < 1 mg/kg
- 1-10 mg/kg
- 10-50 mg/kg
- >50 mg/kg

IRM4A/5 PCB Concentrations (2-14 ft bgs)

- <10 mg/kg
- 10-50 mg/kg
- >50 mg/kg

IRM4A/5 PCB Exceedances (0-2 ft bgs)

- < 1 mg/kg
- 1-10 mg/kg

IRM4A/5 PCB Exceedances (14-16 ft bgs)

- <3.2 mg/kg

IRM4A/5 PCB Concentrations (2-14 ft bgs - Structures)

- <10 mg/kg
- 10-50 mg/kg
- >50 mg/kg

- Excavation Contours
- Catch Basin
- Slide Rail Area

Sewer Lines

- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)

0 5 Feet

Confirmation Samples - PCBs

IRM4A/5 (Area 4)

Former Sperry Remington - North Portion #808022

Elmira, New York

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

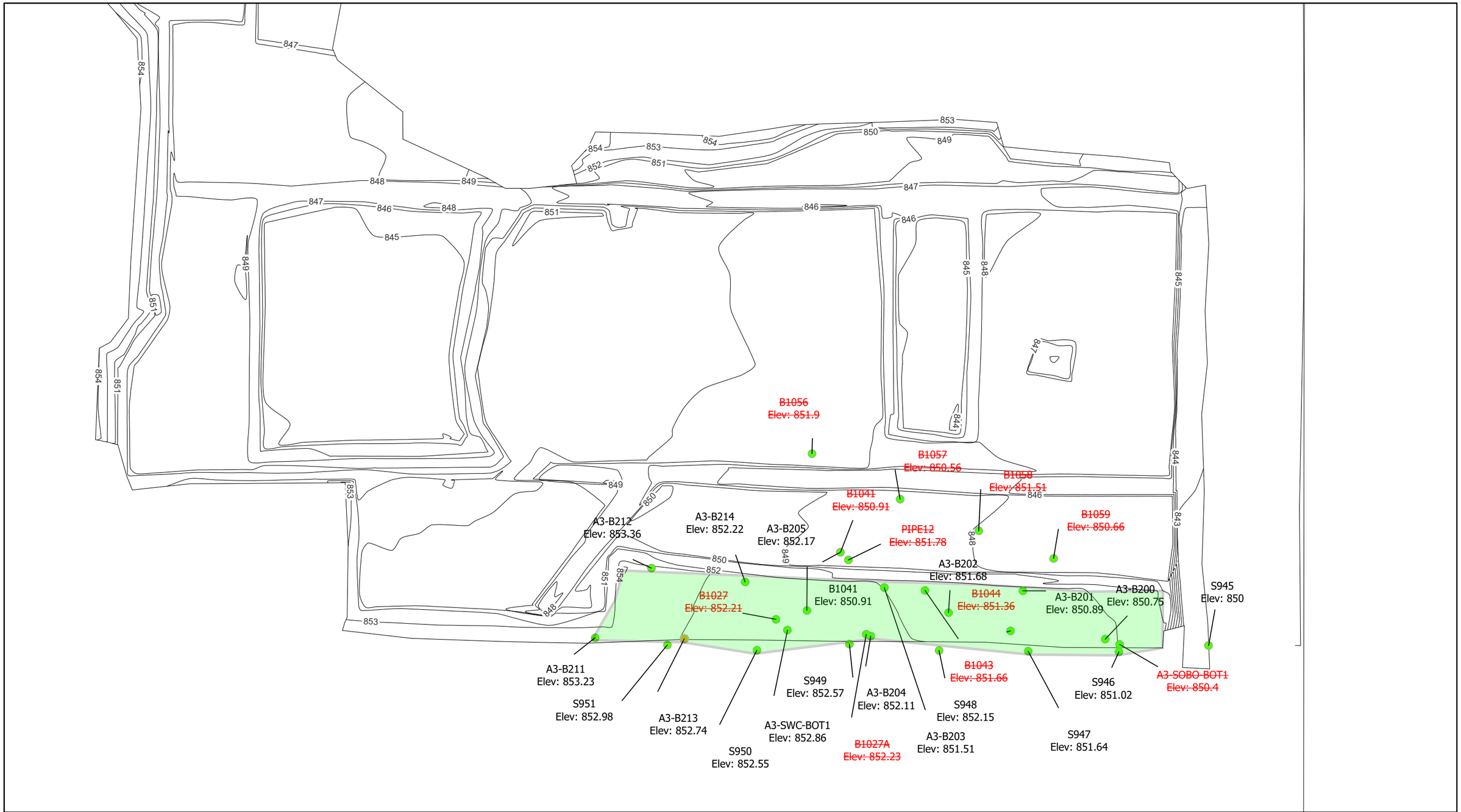
Columbia, Maryland

June 2021

Figure 1g

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\IRM_2018\FB_Field_2018\June 2019\Workplan_Figures\Poly_Maps\IRM 4 figures\Stepdowns\ConfirmationSamples_5_P2_PCBs_Area4.mxd

Green Areas: Approval for Backfill Requested



PCBs Concentrations

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 30 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 1A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx

A3-S418
Elev: 852.78

A3-S417
Elev: 852.23

A3-S416
Elev: 852.36

A3-S408
Elev: 851.5

A3-S407
Elev: 850.97

A3-S406
Elev: 850.51

A3-S405
Elev: 849.53

FISR-S41
Elev: 848.85

FISR-S33
Elev: 848.88

FISR-S25
Elev: 849.28

FISR-S17
Elev: 848.96

FISR-S9
Elev: 848.87

FISR-S1
Elev: 848.76

FISR-S3
Elev: 847.95

~~A3-DIPIPE~~
~~Elev: 852.4~~

~~CB3BOT~~
~~Elev: 852.15~~

~~CB3~~
~~Elev: 852.79~~

~~CB3-S1~~
~~Elev: 850.07~~

~~FISR-S37~~
~~Elev: 849.64~~

~~FISR-S29~~
~~Elev: 849.97~~

~~FISR-S21~~
~~Elev: 849.36~~

~~FISR-S13~~
~~Elev: 849.1~~

Tie-In to A-4 Completion Package 7/6/22 under Agency review

A3-S415
Elev: 852.98

A3-S414
Elev: 852.59

A3-S413
Elev: 852.62

A3-S412
Elev: 852.43

A3-S411
Elev: 852.23

A3-S410A
Elev: 852.2

A3-S410
Elev: 851.75

A3-S409
Elev: 851.24

A3-S404
Elev: 851.26

~~A3-CB2~~
~~Elev: 853.92~~

A3-S403
Elev: 850.38

A3-S402
Elev: 850.32

A3-S401
Elev: 849.62

A3-S400
Elev: 848.87

~~PIPE13~~
~~Elev: 852.24~~

PCBs Concentrations

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 30 Feet

Confirmation Samples - PCBs (2-4 ft bgs)

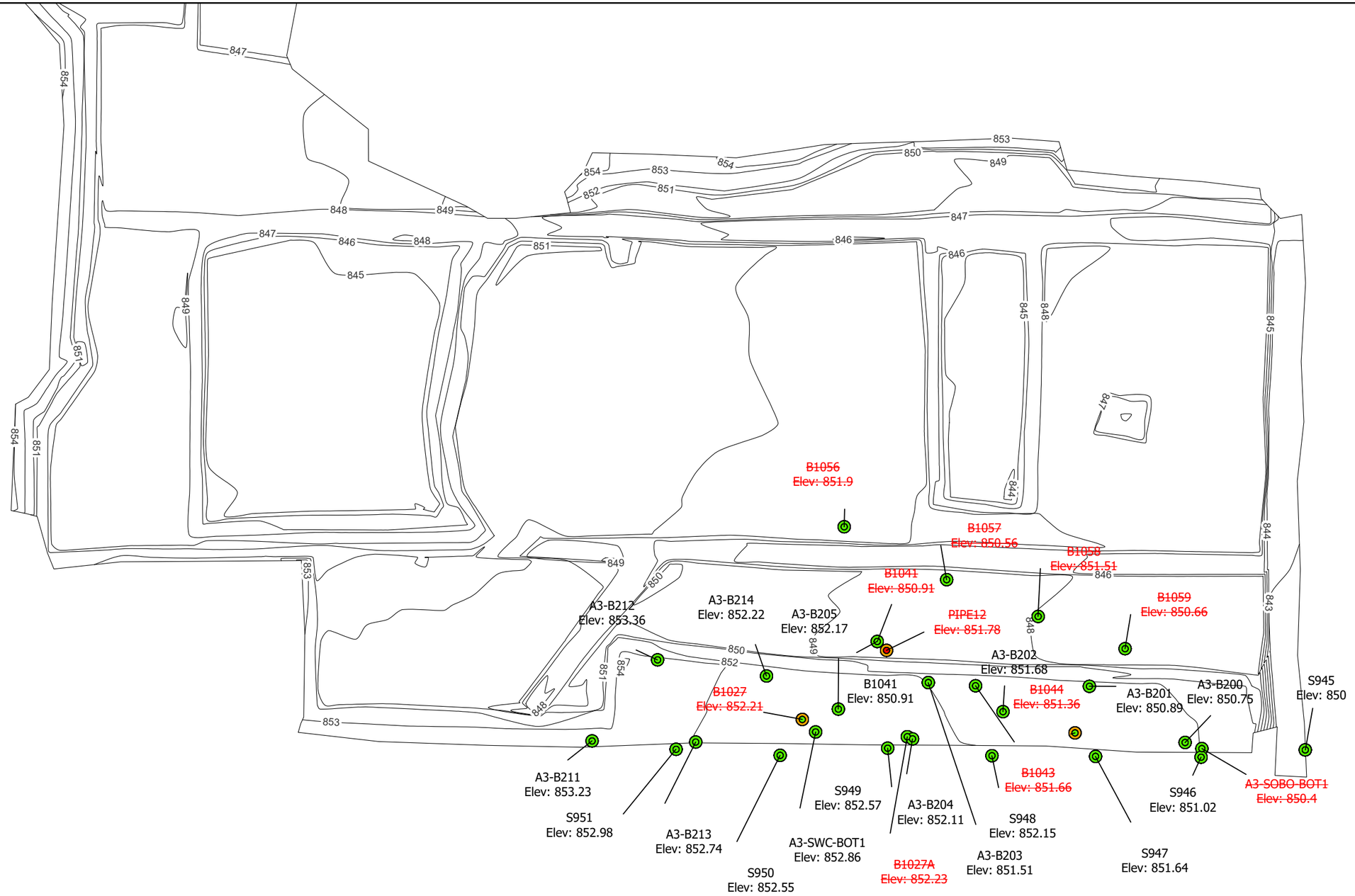
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 1B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx



Exceeds Subsurface Action Level

Does Not Exceed Subsurface Action Level

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 30 Feet

Confirmation Samples - Metals (0-2 ft bgs)

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Elmira, New York

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Figure 2A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx

A3-S418
Elev: 852.78

A3-S417
Elev: 852.23

A3-S416
Elev: 852.36

A3-S408
Elev: 851.5

A3-S407
Elev: 850.97

A3-S406
Elev: 850.51

A3-S405
Elev: 849.53

FISR-S41
Elev: 848.85

~~A3-DIPIPE~~
~~Elev: 852.4~~

~~CB3BOT~~
~~Elev: 852.15~~

~~CB3~~
~~Elev: 852.79~~

~~CB3-S1~~
~~Elev: 850.07~~

~~FISR-S37~~
~~Elev: 849.64~~

FISR-S33
Elev: 848.88

~~FISR-S29~~
~~Elev: 849.97~~

FISR-S25
Elev: 849.28

FISR-S17
Elev: 848.96

~~FISR-S21~~
~~Elev: 849.36~~

FISR-S9
Elev: 848.87

A3-S415
Elev: 852.98

A3-S414
Elev: 852.59

A3-S413
Elev: 852.62

A3-S412
Elev: 852.43

A3-S411
Elev: 852.23

A3-S410
Elev: 851.75

A3-S410A
Elev: 852.2

A3-S409
Elev: 851.24

A3-S404
Elev:
851.26

~~A3-CB2~~
~~Elev: 853.92~~

A3-S403
Elev: 850.38

A3-S402
Elev: 850.32

A3-S401
Elev: 849.62

A3-S400
Elev: 848.87

~~PIPE13~~
~~Elev: 852.24~~

~~FISR-S13~~
~~Elev: 849.1~~

FISR-S1
Elev: 848.76

FISR-S3
Elev: 847.95

S412 Hg 4.4 mg/kg
To be removed with tie in to FFC, ISMP dugout excavation and FIS SW LAT IDW corrective

Exceeds Subsurface Action Level

Does Not Exceed Subsurface Action Level

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - Metals (2-4 ft bgs)

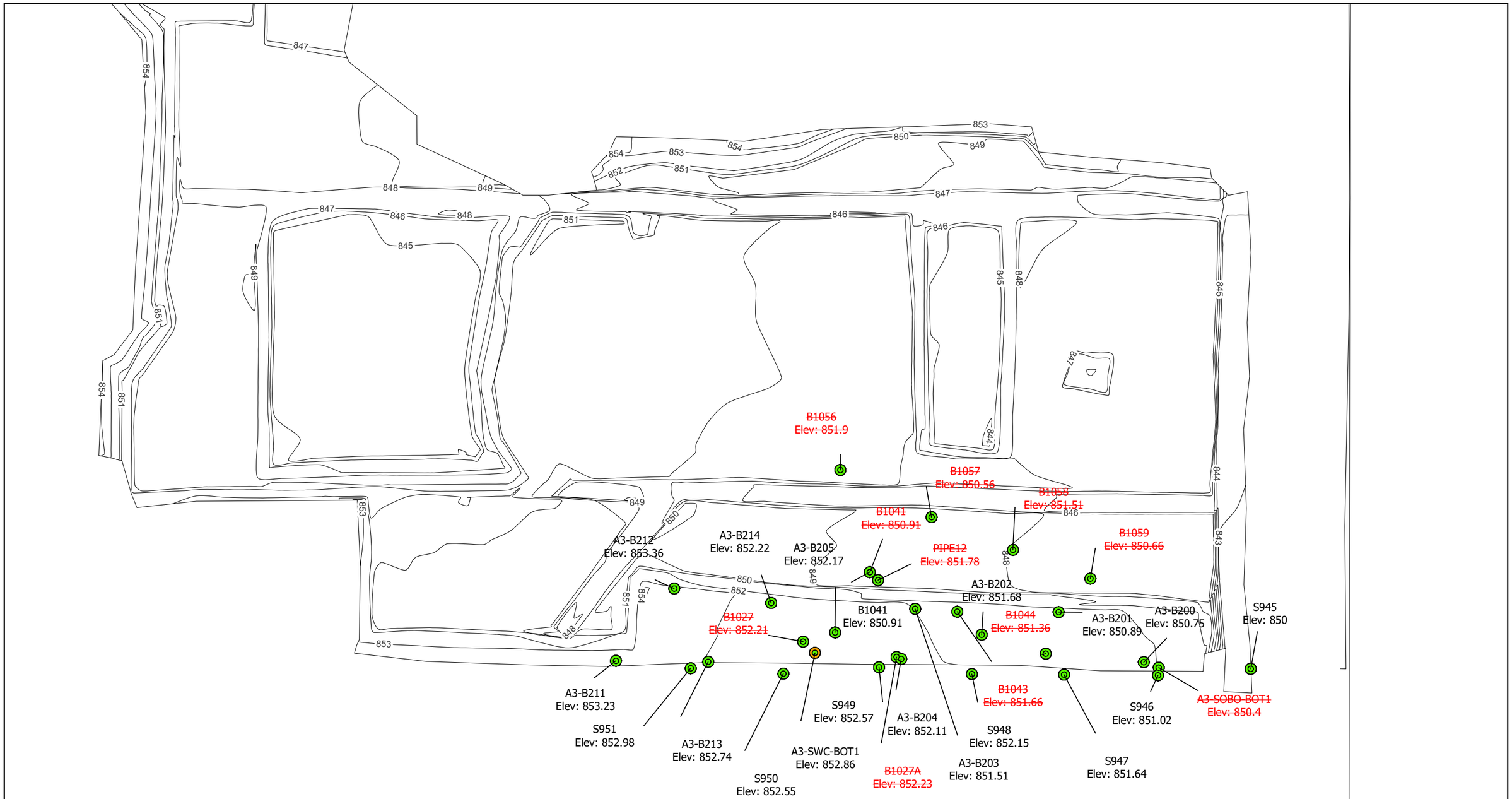
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Elmira, New York

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Figure 2B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx



Exceeds PoG SCO for PCE and/or TCE

Does Not Exceed PoG SCO for PCE and/or TCE

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 30 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

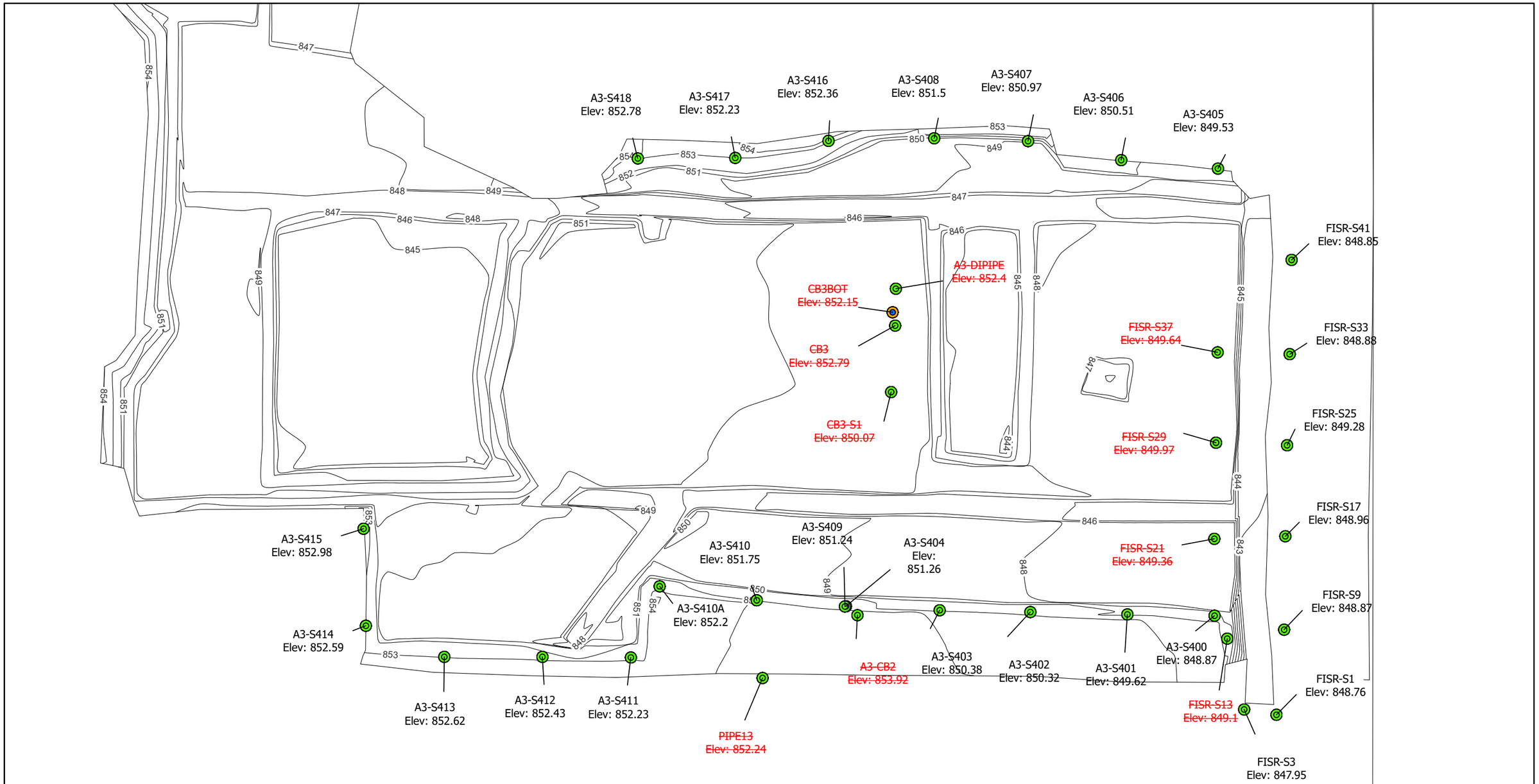
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Figure 3A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx



Exceeds PoG SCO for PCE and/or TCE

Does Not Exceed PoG SCO for PCE and/or TCE

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 30 Feet

Confirmation Samples - VOCs (2-4 ft bgs)

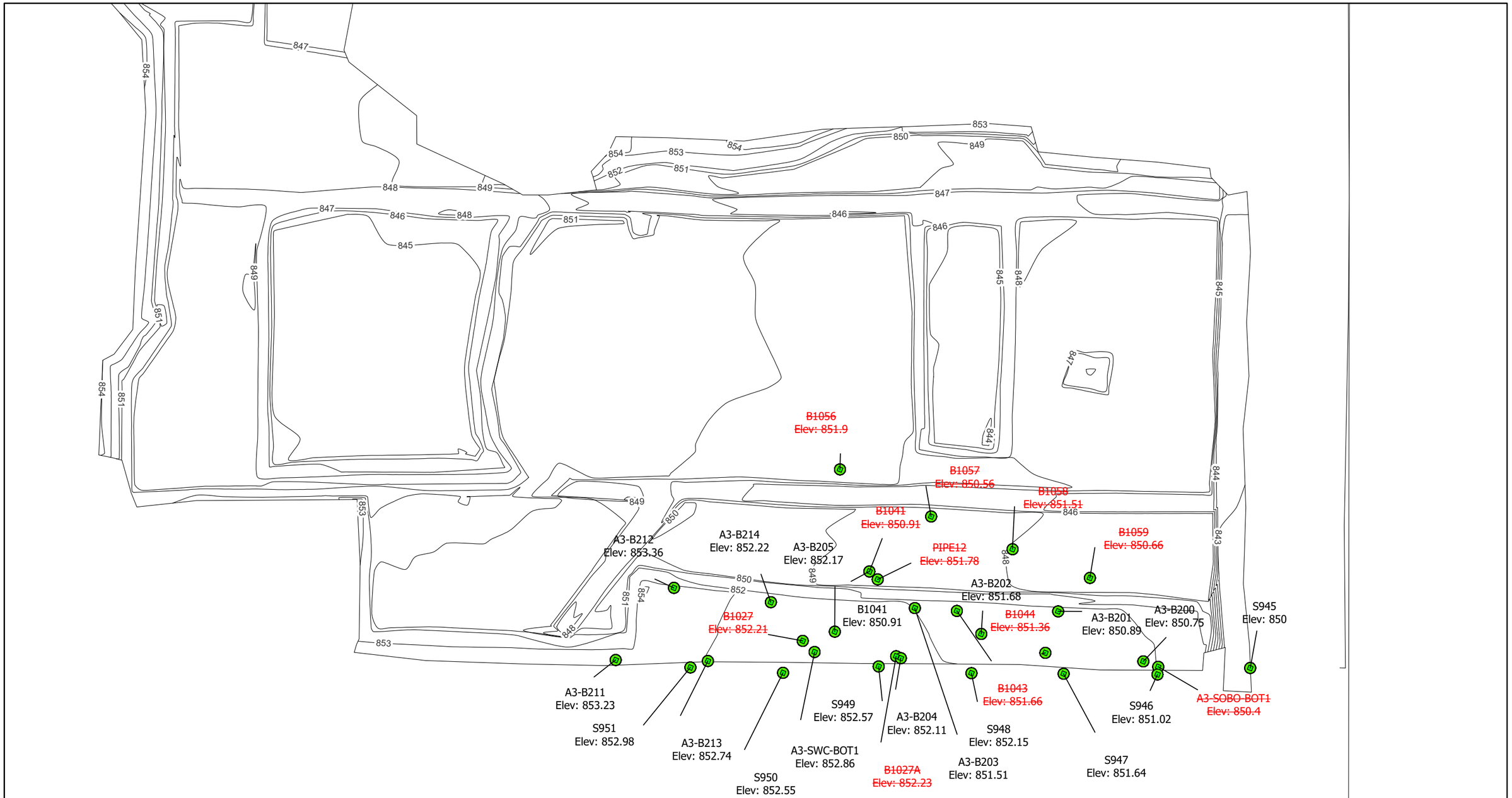
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Figure 3B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx



Total PAHs =>100 mg/kg

Total PAHs <100 mg/kg

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 30 Feet

Confirmation Samples - SVOCs (0-2 ft bgs)

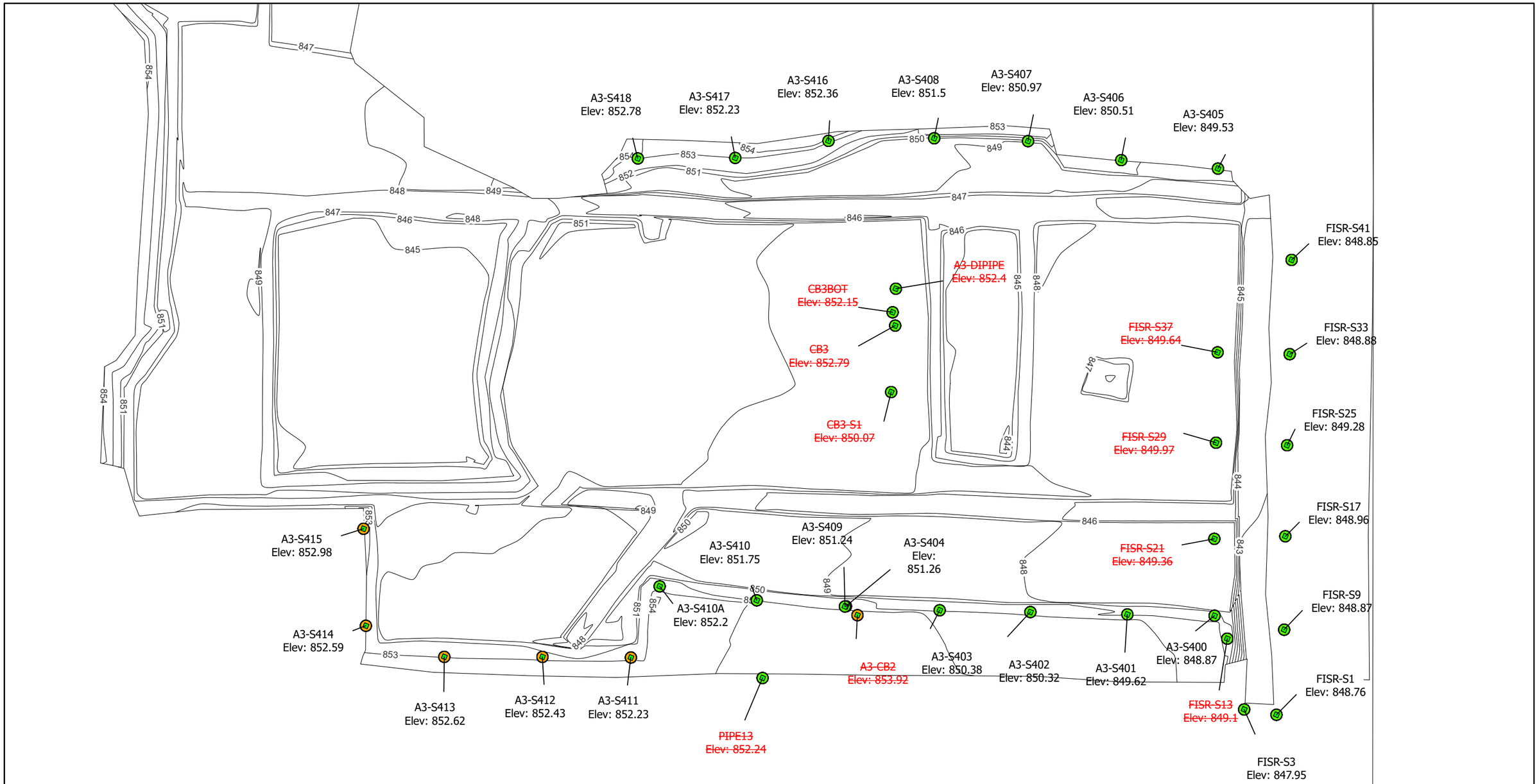
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Figure 4A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx



Total PAHs =>100 mg/kg

Total PAHs <100 mg/kg

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - SVOCs (2-4 ft bgs)

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Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 4B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area 3.aprx

FL-S224
Elev: 855.14

~~FL-S214~~
~~Elev: 854.99~~

FL-S225
Elev: 855.19

~~FL-S215~~
~~Elev: 855.07~~

FL-S226
Elev: 855.17

~~FL-S216~~
~~Elev: 855.46~~

FL-S227
Elev: 855.22

~~FL-S217~~
~~Elev: 855.33~~

FL-S228
Elev: 855.52

~~FL-S218~~
~~Elev: 855.09~~

FL-S229
Elev: 855.44

- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- Dry Well
- Dry Well Buffer (30 ft)
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 25 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

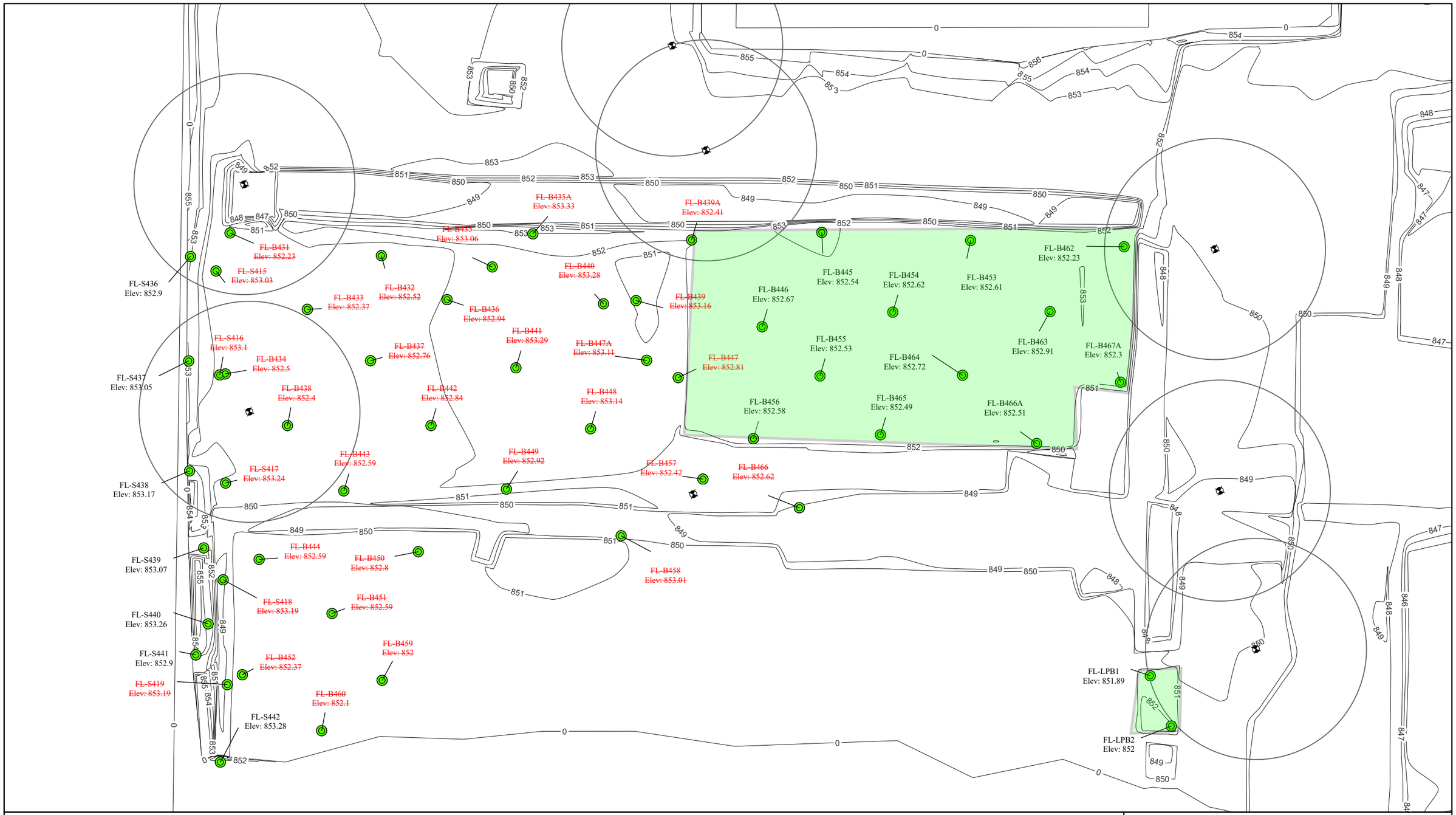
IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Minneapolis, MN | August 2022

Figure 1A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx



Exceeds PoG Action Level

Does Not Exceed PoG Action Level

PCBs Concentrations
TOTAL PCBs (mg/kg)

< 10

10 - 50

> 50

Dry Well

Dry Well Buffer (30 ft)

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - PCBs (2-4 ft bgs)

IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

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Minneapolis, MN | August 2022

Figure 1B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

DW-3A was removed to address PCB PoG SCO exceedance at FL-FISN-S41

FL-DW3A-S1 Elev: 850.71
FL-FISN-S41 Elev: 850.10
FL-FISN-S37 Elev: 850.84
FL-FISN-S33 Elev: 850.99
FL-FISN-S29 Elev: 851.12
FL-FISN-S25 Elev: 851.47
FL-FISN-S21 Elev: 851.39
PIPE19 Elev: 852.91
FL-FISN-S17 Elev: 850.84
FL-FISN-S13 Elev: 851.09
FL-FISN-S9 Elev: 850.99
FL-FISN-S5 Elev: 850.96
FL-FISN-S1 Elev: 850.32
FL-DW3A-S4 Elev: 850.56
FL-B601 Elev: 850.48
FL-B612 Elev: 850.44
PIPE19A Elev: 852.91
PIPE17-S3 Elev: 850.09
FL-S609 Elev: 851.14
FL-FISN-S39 Elev: 850.57
FL-FISN-S35 Elev: 850.86
FL-FISN-S31 Elev: 851.37
FL-FISN-S27 Elev: 851.66
FL-FISN-S23 Elev: 851.25
PIPE19BOT Elev: 851.91
FL-FISN-S19 Elev: 851.05
FL-FISN-S15 Elev: 850.92
FL-FISN-S11 Elev: 850.99
FL-FISN-S7 Elev: 850.85
FL-FISN-S3 Elev: 850.66
PIPE17-S5 Elev: 850.56
FL-B600 Elev: 850.44
FL-B602 Elev: 850.44
FL-B600A Elev: 850.235
FL-B435-BOT Elev: 851.26
FL-S616 Elev: 851.12
FL-B695 Elev: 849.66
FL-S610 Elev: 851.41
FL-B608 Elev: 851.22
FL-B604 Elev: 850.69
FL-B605 Elev: 850.62
FL-B605A Elev: 850.39
FL-B439A-BOT Elev: 850.97
PIPE17-S7 Elev: 850.23
FL-B602A Elev: 850.34
FL-B613 Elev: 851.18
FL-B617 Elev: 850.19
FL-B690 Elev: 850.39
PIPE17-S9 Elev: 850.59
FL-B696 Elev: 849.9
FL-B603 Elev: 850.53
FL-B442-BOT Elev: 850.93
FL-S617 Elev: 851.2
FL-B606 Elev: 850.66
FL-S618 Elev: 851.28
FL-S621 Elev: 850.84
FL-S622 Elev: 851.08
PIPE17-S11 Elev: 850.22
FL-B697 Elev: 849.70
FL-S611 Elev: 851.28
FL-B609 Elev: 850.76
FL-B614 Elev: 851.04
FL-B619 Elev: 850.62
FL-B626 Elev: 850.72
FL-B650 Elev: 850.34
FL-B603A Elev: 850.49
FL-B606A Elev: 850.4
FL-B615 Elev: 851.09
FL-B699 Elev: 850.13
FL-S612 Elev: 851.14
FL-B607 Elev: 850.8
FL-B657 Elev: 851.12
FL-DW6BOT Elev: 850.63
FL-B632 Elev: 850.77
FL-B651 Elev: 850.7
FL-B638 Elev: 850.31
FL-B691 Elev: 850.18
FL-B698 Elev: 849.81
FL-S613 Elev: 851.44
FL-B610 Elev: 850.68
FL-B652 Elev: 850.69
FL-B621 Elev: 850.99
FL-B663 Elev: 850.32
FL-B669 Elev: 850.61
FL-B700 Elev: 849.71
FL-B617 Elev: 850.19
FL-B620 Elev: 851.13
FL-B616 Elev: 850.86
FL-B674 Elev: 850.61
FL-B673 Elev: 850.56
FL-B639 Elev: 850.4
FL-B678 Elev: 850.56
FL-B701 Elev: 849.94
FL-S614 Elev: 851.25
FL-B653 Elev: 850.14
FL-B627 Elev: 850.59
FL-B664 Elev: 850.67
FL-B633 Elev: 850.63
FLSP-S10 Elev: 850.22
FL-B622 Elev: 850.6
FL-B644 Elev: 850.62
FL-B685 Elev: 850.09
FL-B618 Elev: 850.35
FL-B658 Elev: 850.82
FL-B628 Elev: 850.33
FL-B654 Elev: 850.25
FL-B611 Elev: 850.52
FL-B680 Elev: 850.53
FL-LPS2 Elev: 850.11
FL-B675 Elev: 850.45
FL-S615 Elev: 850.86
FL-B670 Elev: 850.78
FL-B665 Elev: 850.31
FL-B634 Elev: 850.86
FL-B640 Elev: 850.37
FL-B679 Elev: 850.36
FL-B702 Elev: 849.78
FL-B655 Elev: 850.32
FL-B686 Elev: 850.81
FL-B648 Elev: 850.3
FL-LPS1 Elev: 849.98
PIPE24-S8 Elev: 850.99
FL-B659 Elev: 850.17
FL-B692 Elev: 850.23
FL-B665A Elev: 850.31
FL-B703 Elev: 849.99

Exceeds PoG Action Level
Does Not Exceed PoG Action Level

PCBs Concentrations
TOTAL PCBs (mg/kg)
< 10
10 - 50
> 50

Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

0 25 Feet

Confirmation Samples - PCBs (4-6 ft bgs)

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Elmira, New York

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Figure 1C

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S225
Hg 0.95 mg/kg
At property line
Above infiltration zone of DW-3B

Excavation has been completed to the western property line. Further excavation to the west would impact the sidewalk on S. Main St.

~~FL-S214~~
~~Elev: 854.99~~

FL-S224
Elev: ~~855~~.14

~~FL-S215~~
~~Elev: 855.07~~

FL-S225
Elev: 855.19

~~FL-S216~~
~~Elev: 855.46~~

FL-S226
Elev: ~~855~~.17

~~FL-S217~~
~~Elev: 855.33~~

FL-S227
Elev: ~~855~~.22

~~FL-S218~~
~~Elev: 855.09~~

FL-S228
Elev: ~~855~~.52

FL-S229
Elev: ~~855~~.44

Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Exceeds RR SCO
Does Not Exceed RR SCO
Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N
0 25 Feet

Confirmation Samples - Metals (0-2 ft bgs)

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Elmira, New York

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Figure 2A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S436
Elev: 852.9

FL-S437
Elev: 853.05

FL-S438
Elev: 853.17

FL-S439
Elev: 853.07

FL-S440
Elev: 853.26

FL-S441
Elev: 852.9

FL-S442
Elev: 853.28

FL-B431
Elev: 852.23

FL-S415
Elev: 853.03

FL-B433
Elev: 852.37

FL-B432
Elev: 852.52

FL-B436
Elev: 852.94

FL-S416
Elev: 853.1

FL-B434
Elev: 852.5

FL-B437
Elev: 852.76

FL-B438
Elev: 852.4

FL-B442
Elev: 852.84

FL-S417
Elev: 853.24

FL-B443
Elev: 852.59

FL-B449
Elev: 852.92

FL-B435A
Elev: 853.33

FL-B435
Elev: 853.06

FL-B440
Elev: 853.28

FL-B439A
Elev: 852.41

FL-B439
Elev: 853.16

FL-B441
Elev: 853.29

FL-B447A
Elev: 853.11

FL-B447
Elev: 852.81

FL-B448
Elev: 853.14

FL-B457
Elev: 852.42

FL-B466
Elev: 852.62

FL-B456
Elev: 852.58

FL-B444
Elev: 852.59

FL-B450
Elev: 852.8

FL-B458
Elev: 853.01

FL-S418
Elev: 853.19

FL-B451
Elev: 852.59

FL-B459
Elev: 852

FL-S419
Elev: 853.19

FL-B452
Elev: 852.37

FL-B460
Elev: 852.1

FL-B445
Elev: 852.54

FL-B446
Elev: 852.67

FL-B455
Elev: 852.53

FL-B454
Elev: 852.62

FL-B453
Elev: 852.61

FL-B462
Elev: 852.23

FL-B463
Elev: 852.91

FL-B464
Elev: 852.72

FL-B467A
Elev: 852.3

FL-B465
Elev: 852.49

FL-B466A
Elev: 852.51

FL-LPB1
Elev: 851.89

FL-LPB2
Elev: 852

FL-B456
Hg 0.85 mg/kg
Above infiltration zone
of DW-6

DW-6

Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Exceeds Subsurface Action Level
Does Not Exceed Subsurface Action Level

Exceeds RR SCO
Does Not Exceed RR SCO

Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - Metals (2-4 ft bgs)

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Figure 2B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S610
As 17 mg/kg
At property line
Upgradient of DW-3B

Approx. location of FL-S619
See data table for results
As-built coordinates pending

Approx. location of FL-S620
See data table for results
As-built coordinates pending

- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Exceeds Subsurface Action Level
- Does Not Exceed Subsurface Action Level
- Exceeds RR SCO
- Does Not Exceed RR SCO
- Dry Well
- Dry Well Buffer (30 ft)
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - Metals (4-6 ft bgs)

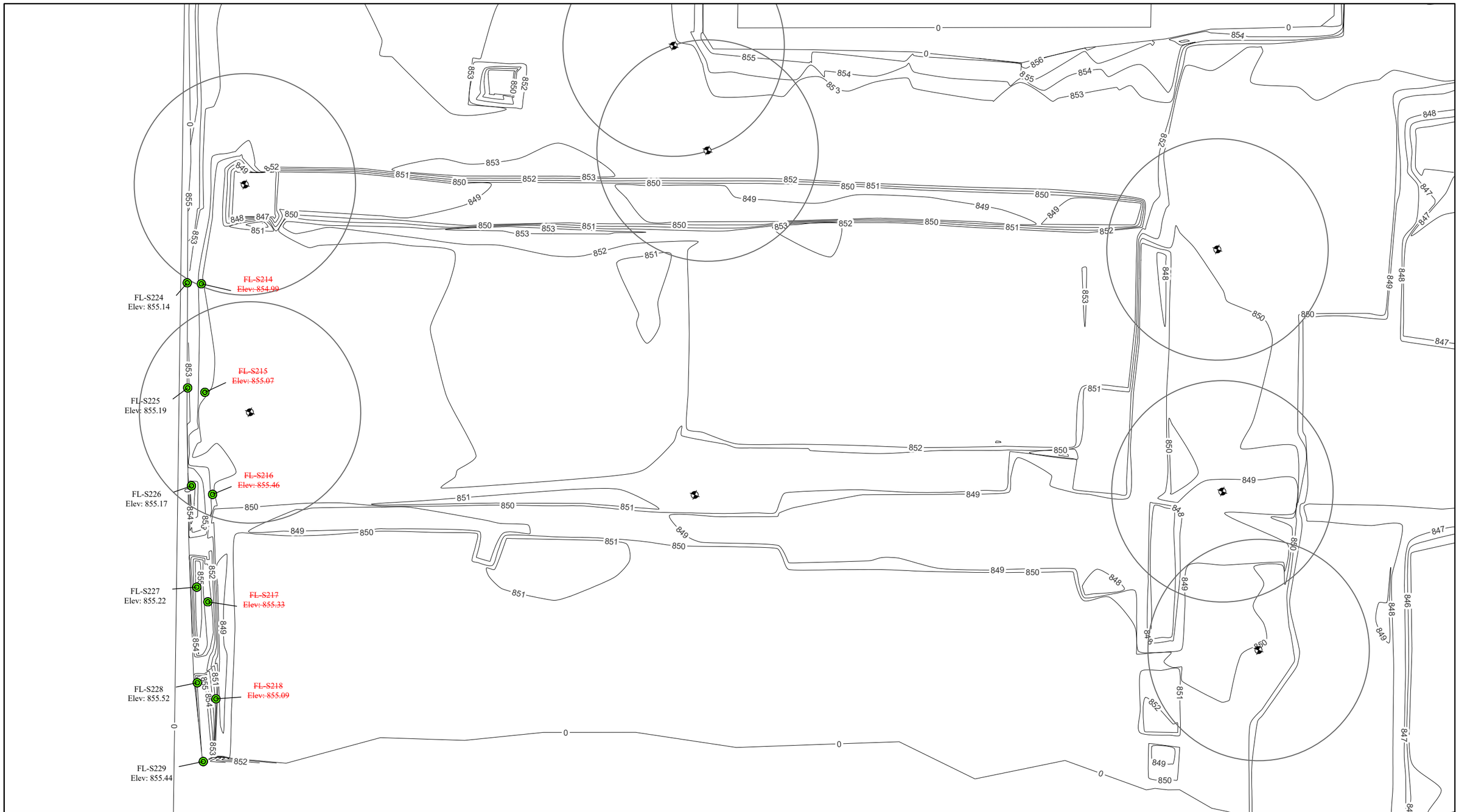
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Figure 2C

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Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Exceeds RR SCO
Does Not Exceed RR SCO
Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

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Figure 3A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S436
Elev: 852.9

FL-S437
Elev: 853.05

FL-S438
Elev: 853.17

FL-S439
Elev: 853.07

FL-S440
Elev: 853.26

FL-S441
Elev: 852.9

FL-S442
Elev: 853.28

~~FL-S415~~
~~Elev: 853.03~~

~~FL-S416~~
~~Elev: 853.1~~

~~FL-S417~~
~~Elev: 853.24~~

~~FL-S418~~
~~Elev: 853.19~~

~~FL-S419~~
~~Elev: 853.19~~

~~FL-B431~~
~~Elev: 852.23~~

~~FL-B432~~
~~Elev: 852.52~~

~~FL-B433~~
~~Elev: 852.37~~

~~FL-B434~~
~~Elev: 852.5~~

~~FL-B435~~
~~Elev: 853.06~~

~~FL-B435A~~
~~Elev: 853.33~~

~~FL-B436~~
~~Elev: 852.94~~

~~FL-B437~~
~~Elev: 852.76~~

~~FL-B438~~
~~Elev: 852.4~~

~~FL-B439~~
~~Elev: 853.16~~

~~FL-B439A~~
~~Elev: 852.41~~

~~FL-B440~~
~~Elev: 853.28~~

~~FL-B441~~
~~Elev: 853.29~~

~~FL-B442~~
~~Elev: 852.84~~

~~FL-B443~~
~~Elev: 852.59~~

~~FL-B444~~
~~Elev: 852.59~~

~~FL-B447~~
~~Elev: 852.81~~

~~FL-B447A~~
~~Elev: 853.11~~

~~FL-B448~~
~~Elev: 853.14~~

~~FL-B449~~
~~Elev: 852.92~~

~~FL-B450~~
~~Elev: 852.8~~

~~FL-B451~~
~~Elev: 852.59~~

~~FL-B452~~
~~Elev: 852.37~~

~~FL-B457~~
~~Elev: 852.42~~

~~FL-B458~~
~~Elev: 853.01~~

~~FL-B459~~
~~Elev: 852~~

~~FL-B460~~
~~Elev: 852.1~~

~~FL-B466~~
~~Elev: 852.62~~

FL-B445
Elev: 852.54

FL-B446
Elev: 852.67

FL-B453
Elev: 852.61

FL-B454
Elev: 852.62

FL-B455
Elev: 852.53

FL-B456
Elev: 852.58

FL-B462
Elev: 852.23

FL-B463
Elev: 852.91

FL-B464
Elev: 852.72

FL-B465
Elev: 852.49

FL-B466A
Elev: 852.51

FL-B467A
Elev: 852.3

FL-LPB1
Elev: 851.89

FL-LPB2
Elev: 852

Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Exceeds RR SCO
Does Not Exceed RR SCO
Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - VOCs (2-4 ft bgs)

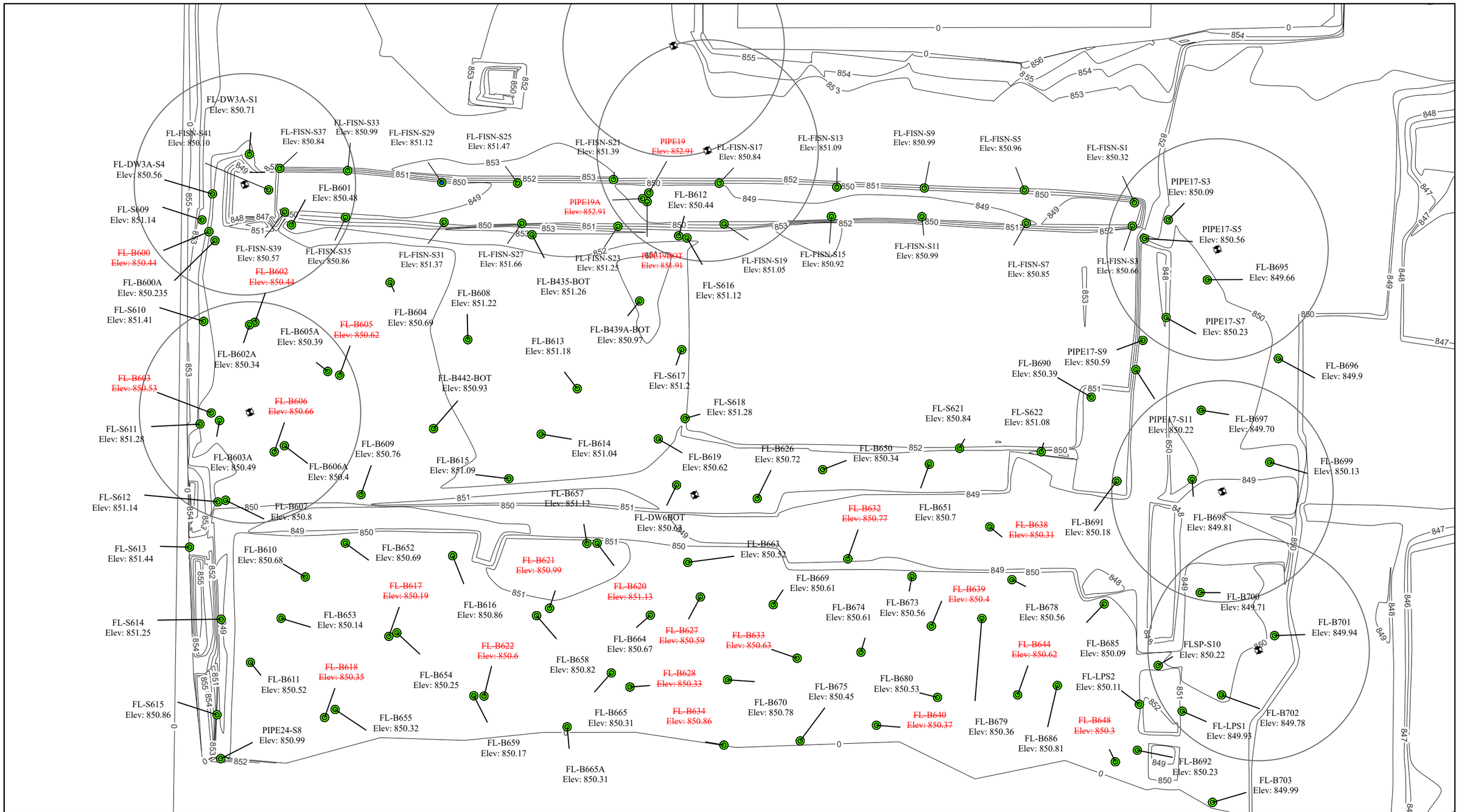
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Figure 3B

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Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

Confirmation Samples - VOCs (4-6 ft bgs)

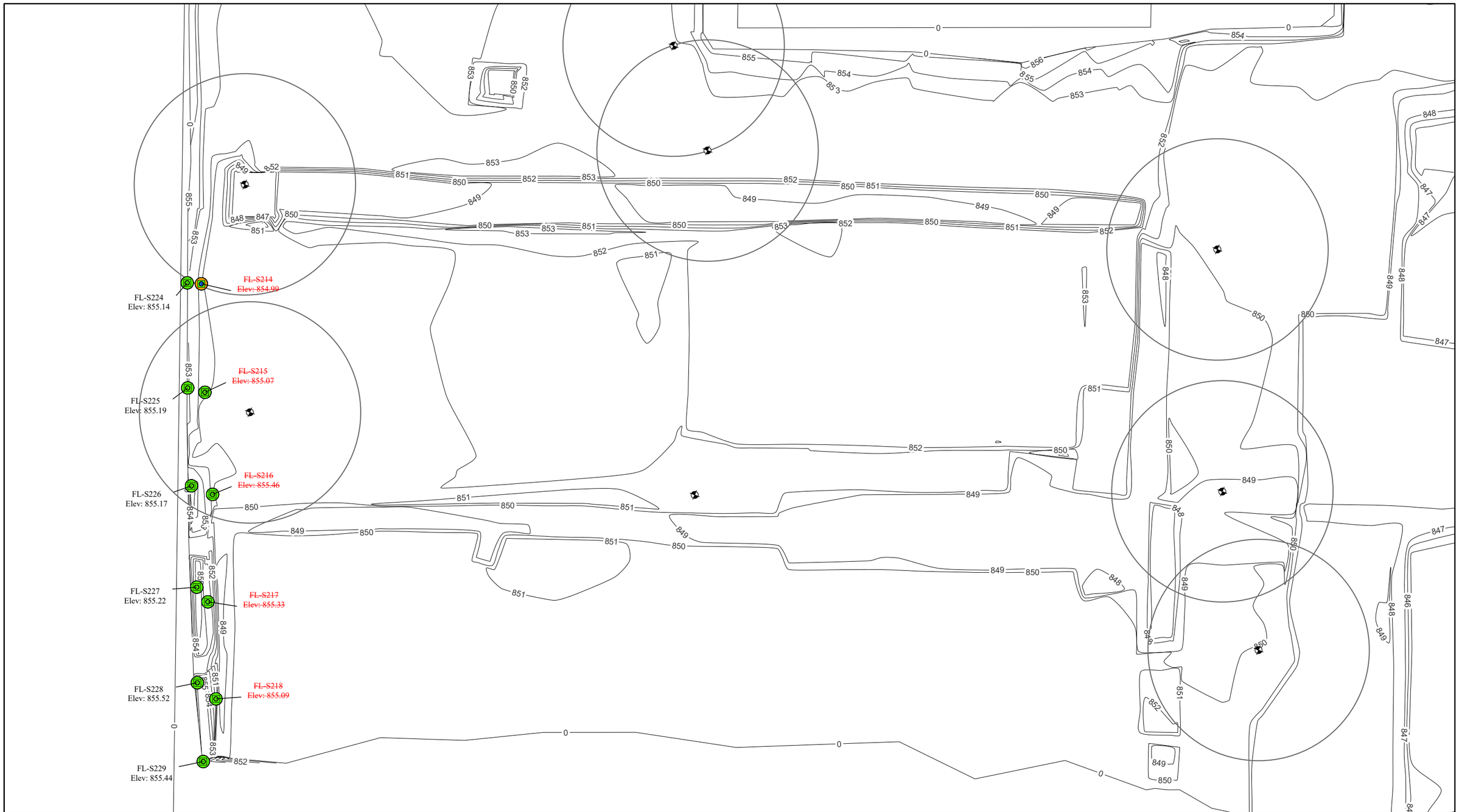
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Figure 3C

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- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg
- Exceeds RR SCO
- Does Not Exceed RR SCO
- Dry Well
- Dry Well Buffer (30 ft)
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - SVOCs (0-2 ft bgs)

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Figure 4A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S436
Elev: 852.9

FL-S437
Elev: 853.05

FL-S438
Elev: 853.17

FL-S439
Elev: 853.07

FL-S440
Elev: 853.26

FL-S441
Elev: 852.9

FL-S442
Elev: 853.28

FL-B431
Elev: 852.23

FL-S415
Elev: 853.03

FL-B433
Elev: 852.37

FL-B432
Elev: 852.52

FL-B436
Elev: 852.94

FL-B435
Elev: 853.06

FL-B435A
Elev: 853.33

FL-B439A
Elev: 852.41

FL-B440
Elev: 853.28

FL-B439
Elev: 853.16

FL-B446
Elev: 852.67

FL-B445
Elev: 852.54

FL-B454
Elev: 852.62

FL-B453
Elev: 852.61

FL-B462
Elev: 852.23

FL-S416
Elev: 853.1

FL-B434
Elev: 852.5

FL-B437
Elev: 852.76

FL-B441
Elev: 853.29

FL-B447A
Elev: 853.11

FL-B447
Elev: 852.81

FL-B455
Elev: 852.53

FL-B464
Elev: 852.72

FL-B463
Elev: 852.91

FL-B467A
Elev: 852.3

FL-B438
Elev: 852.4

FL-B442
Elev: 852.84

FL-B448
Elev: 853.14

FL-B456
Elev: 852.58

FL-B465
Elev: 852.49

FL-B466A
Elev: 852.51

FL-S417
Elev: 853.24

FL-B443
Elev: 852.59

FL-B449
Elev: 852.92

FL-B457
Elev: 852.42

FL-B466
Elev: 852.62

FL-B444
Elev: 852.59

FL-B450
Elev: 852.8

FL-B458
Elev: 853.01

FL-S418
Elev: 853.19

FL-B451
Elev: 852.59

FL-B459
Elev: 852

FL-S419
Elev: 853.19

FL-B452
Elev: 852.37

FL-B460
Elev: 852.1

FL-LPB1
Elev: 851.89

FL-LPB2
Elev: 852

Exceeds PoG Action Level
Does Not Exceed PoG Action Level
Total PAHs =>100 mg/kg
Total PAHs <100 mg/kg

Exceeds RR SCO
Does Not Exceed RR SCO

Dry Well
Dry Well Buffer (30 ft)
As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - SVOCs (2-4 ft bgs)

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Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 4B

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FL-FISN-S35 was removed with removal of DW-3A

FL-DW3A-S1 Elev: 850.71
FL-FISN-S41 Elev: 850.10
FL-FISN-S37 Elev: 850.84
FL-FISN-S33 Elev: 850.99
FL-FISN-S29 Elev: 851.12
FL-FISN-S25 Elev: 851.47
FL-FISN-S21 Elev: 851.39
PIPE19 Elev: 852.91
FL-FISN-S17 Elev: 850.84
FL-FISN-S13 Elev: 851.09
FL-FISN-S9 Elev: 850.99
FL-FISN-S5 Elev: 850.96
FL-FISN-S1 Elev: 850.32
FL-DW3A-S4 Elev: 850.56
FL-B601 Elev: 850.48
PIPE19A Elev: 852.91
FL-B612 Elev: 850.44
PIPE17-S3 Elev: 850.09
FL-S609 Elev: 851.14
FL-B600 Elev: 850.44
FL-FISN-S39 Elev: 850.57
FL-FISN-S35 Elev: 850.86
FL-FISN-S31 Elev: 851.37
FL-FISN-S27 Elev: 851.66
FL-FISN-S23 Elev: 851.25
PIPE19BOT Elev: 851.91
FL-FISN-S19 Elev: 851.05
FL-FISN-S15 Elev: 850.92
FL-FISN-S11 Elev: 850.99
FL-FISN-S7 Elev: 850.85
FL-FISN-S3 Elev: 850.66
PIPE17-S5 Elev: 850.56
FL-B602 Elev: 850.44
FL-B600A Elev: 850.235
FL-B695 Elev: 849.66
FL-B435-BOT Elev: 851.26
FL-S616 Elev: 851.12
FL-B608 Elev: 851.22
FL-B604 Elev: 850.69
FL-S610 Elev: 851.41
FL-B605 Elev: 850.62
FL-B605A Elev: 850.39
FL-B439A-BOT Elev: 850.97
PIPE17-S7 Elev: 850.23
FL-B602A Elev: 850.34
FL-B613 Elev: 851.18
FL-B617 Elev: 850.19
FL-B616 Elev: 850.86
FL-B620 Elev: 851.13
FL-B621 Elev: 850.99
FL-B652 Elev: 850.69
FL-B610 Elev: 850.68
FL-B653 Elev: 850.14
FL-B664 Elev: 850.67
FL-B627 Elev: 850.59
FL-B633 Elev: 850.63
FL-B658 Elev: 850.82
FL-B654 Elev: 850.25
FL-B622 Elev: 850.6
FL-B618 Elev: 850.35
FL-B611 Elev: 850.52
FL-B628 Elev: 850.33
FL-B665 Elev: 850.31
FL-B634 Elev: 850.86
FL-B670 Elev: 850.78
FL-B675 Elev: 850.45
FL-B680 Elev: 850.53
FL-B640 Elev: 850.37
FL-B679 Elev: 850.36
FL-B686 Elev: 850.81
FL-B648 Elev: 850.3
FL-B690 Elev: 850.39
PIPE17-S9 Elev: 850.59
FL-B696 Elev: 849.9
FL-B603 Elev: 850.53
FL-B606 Elev: 850.66
FL-B603A Elev: 850.49
FL-B606A Elev: 850.4
FL-B609 Elev: 850.76
FL-B615 Elev: 851.09
FL-B614 Elev: 851.04
FL-B619 Elev: 850.62
FL-B626 Elev: 850.72
FL-B650 Elev: 850.34
FL-S618 Elev: 851.28
FL-S617 Elev: 851.2
FL-B442-BOT Elev: 850.93
FL-S621 Elev: 850.84
FL-S622 Elev: 851.08
PIPE17-S11 Elev: 850.22
FL-B697 Elev: 849.70
FL-S611 Elev: 851.28
FL-B699 Elev: 850.13
FL-S612 Elev: 851.14
FL-B607 Elev: 850.8
FL-B657 Elev: 851.12
FL-DW6BOT Elev: 850.63
FL-B632 Elev: 850.77
FL-B651 Elev: 850.7
FL-B638 Elev: 850.31
FL-B691 Elev: 850.18
FL-B698 Elev: 849.81
FL-S613 Elev: 851.44
FL-B663 Elev: 850.32
FL-B669 Elev: 850.61
FL-B674 Elev: 850.61
FL-B673 Elev: 850.56
FL-B639 Elev: 850.4
FL-B678 Elev: 850.56
FL-B700 Elev: 849.71
FL-S614 Elev: 851.25
FL-B701 Elev: 849.94
FL-B685 Elev: 850.09
FLSP-S10 Elev: 850.22
FL-B644 Elev: 850.62
FL-LPS2 Elev: 850.11
FL-S615 Elev: 850.86
FL-B702 Elev: 849.78
FL-LPS1 Elev: 849.93
PIPE24-S8 Elev: 850.99
FL-B655 Elev: 850.32
FL-B659 Elev: 850.17
FL-B665A Elev: 850.31
FL-B692 Elev: 850.23
FL-B703 Elev: 849.99

- Exceeds PoG Action Level
- Does Not Exceed PoG Action Level
- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg
- Exceeds RR SCO
- Does Not Exceed RR SCO
- Dry Well
- Dry Well Buffer (30 ft)
- As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 25 Feet

Confirmation Samples - SVOCs (4-6 ft bgs)

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Figure 4C

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida Central.aprx

FL-S209
Elev: 855.89

FL-S208
Elev: 856.22

FL-S207
Elev: 856.28

FL-S206
Elev: 855.921

FL-S205
Elev: 856

~~FL-S210~~
~~Elev: 855.76~~

855

FL-S204
Elev: 855.30

~~FL-S211~~
~~Elev: 855.83~~

0-2' interval was excavated to the property line. additional samples have been collected and the western extent will be re-surveyed on 8/4.

853

854

856

~~FL-S212~~
~~Elev: 855.30~~

849

852

FL-S203
Elev: 855.49

FL-S202
Elev: 855.53

FL-S201
Elev: 855.24

FL-S200
Elev: 855.16

~~B1076A~~
~~Elev: 853.90~~

854

~~S859~~
~~Elev: 854.23~~

~~FL-S213~~
~~Elev: 855.03~~

853

850

851

852

849

849

849

853

853

PCBs Concentrations

Total PCBs

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

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Figure 1A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx

2-4' interval was excavated to the property line. additional samples have been collected and the western extent will be re-surveyed on 8/4.

FL-B421
Elev: 853.03

FL-S410
Elev: 853.98

FL-S409
Elev: 854.22

FL-S408
Elev: 854.52

FL-B419
Elev: 853.24

~~FL-S411~~
~~Elev: 853.65~~

FL-B414
Elev: 853.58

FL-B422
Elev: 852.88

FL-B423
Elev: 853.59

FL-S407
Elev: 853.70

FL-S406
Elev: 853.63

FL-B425
Elev: 852.78

FL-B424
Elev: 852.80

FL-B426
Elev:
852.87

~~FL-S412~~
~~Elev: 853.71~~

FL-B415
Elev: 853.06

FL-B420
Elev: 852.83

FL-B427
Elev: 852.86

FL-B416
Elev: 852.77

FL-B410
Elev: 852.92

~~FL-S413~~
~~Elev: 853.35~~

FL-S404
Elev:853.14

FL-S403
Elev: 853.29

FL-S402
Elev: 853.12

FL-S401
Elev: 852.870

FL-S400
Elev: 852.73

FL-S405
Elev: 853.25

FL-B428
Elev: 852.75

FL-B417
Elev: 852.94

FL-B411
Elev: 852.52

FL-B418A
Elev: 852.59

~~PIPE20~~
~~Elev: 852.53~~

FL-B429
Elev: 852.56

FL-B408
Elev: 852.31

FL-B412
Elev: 853.07

~~FL-B418~~
~~Elev: 852.38~~

FL-B406
Elev: 852.53

FL-B404
Elev: 852.4

FL-B402
Elev: 852.20

FL-B401
Elev: 852.63

~~FL-S414~~
~~Elev: 853.00~~

FL-B405
Elev: 852.68

FL-B403
Elev: 852.75

~~PIPE21~~
~~Elev: 852.75~~

FL-B413
Elev: 852.83

FL-B409
Elev: 852.90

FL-B430
Elev: 852.27

855
856
854
853
852
851
850
849
853

PCBs Concentrations

Total PCBs

- < 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples -PCBs (2-4 ft bgs)

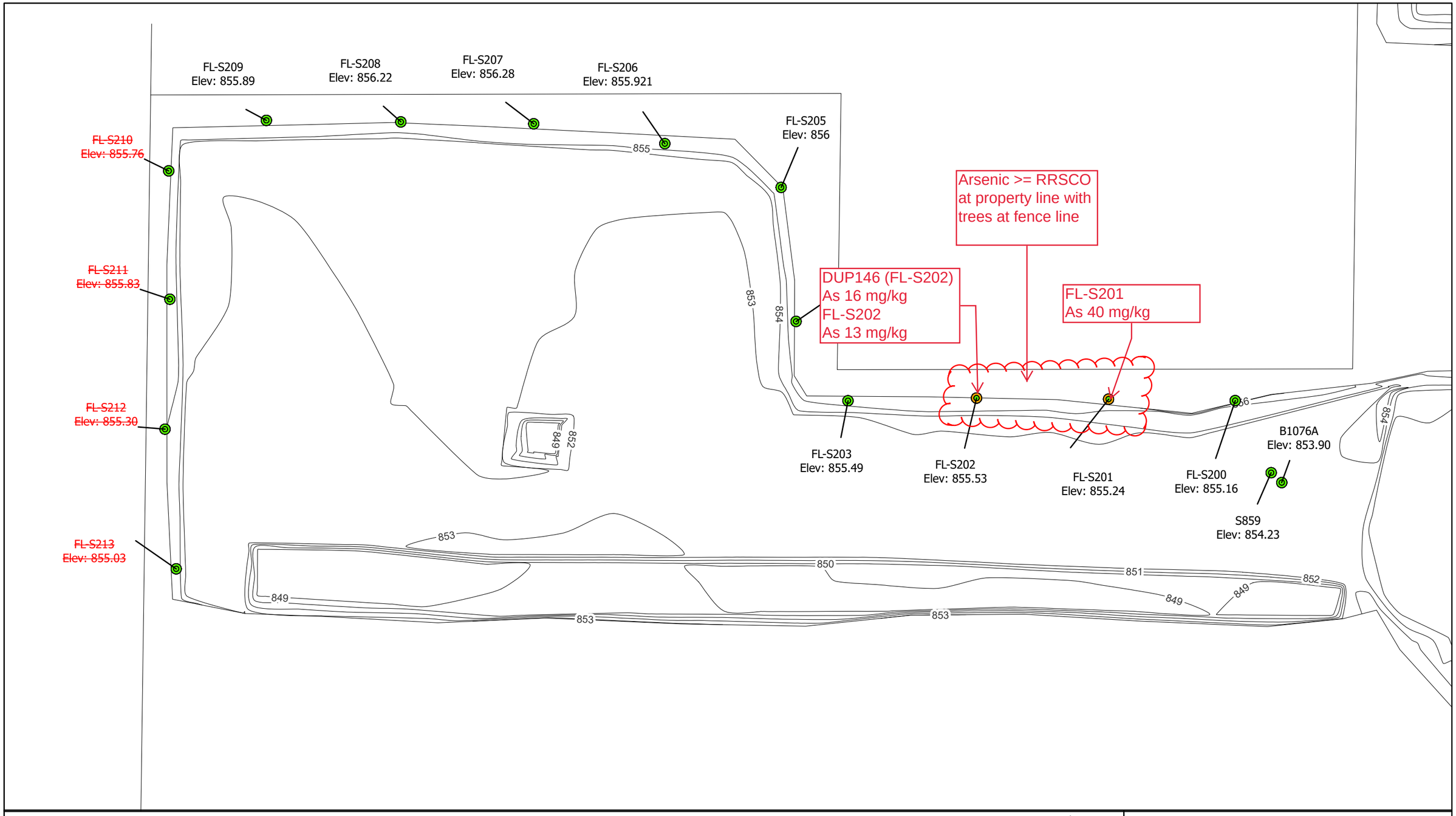
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Figure 1B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx



Exceeds Subsurface Action Level

Does Not Exceed Subsurface Action Level

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - Metals (0-2 ft bgs)

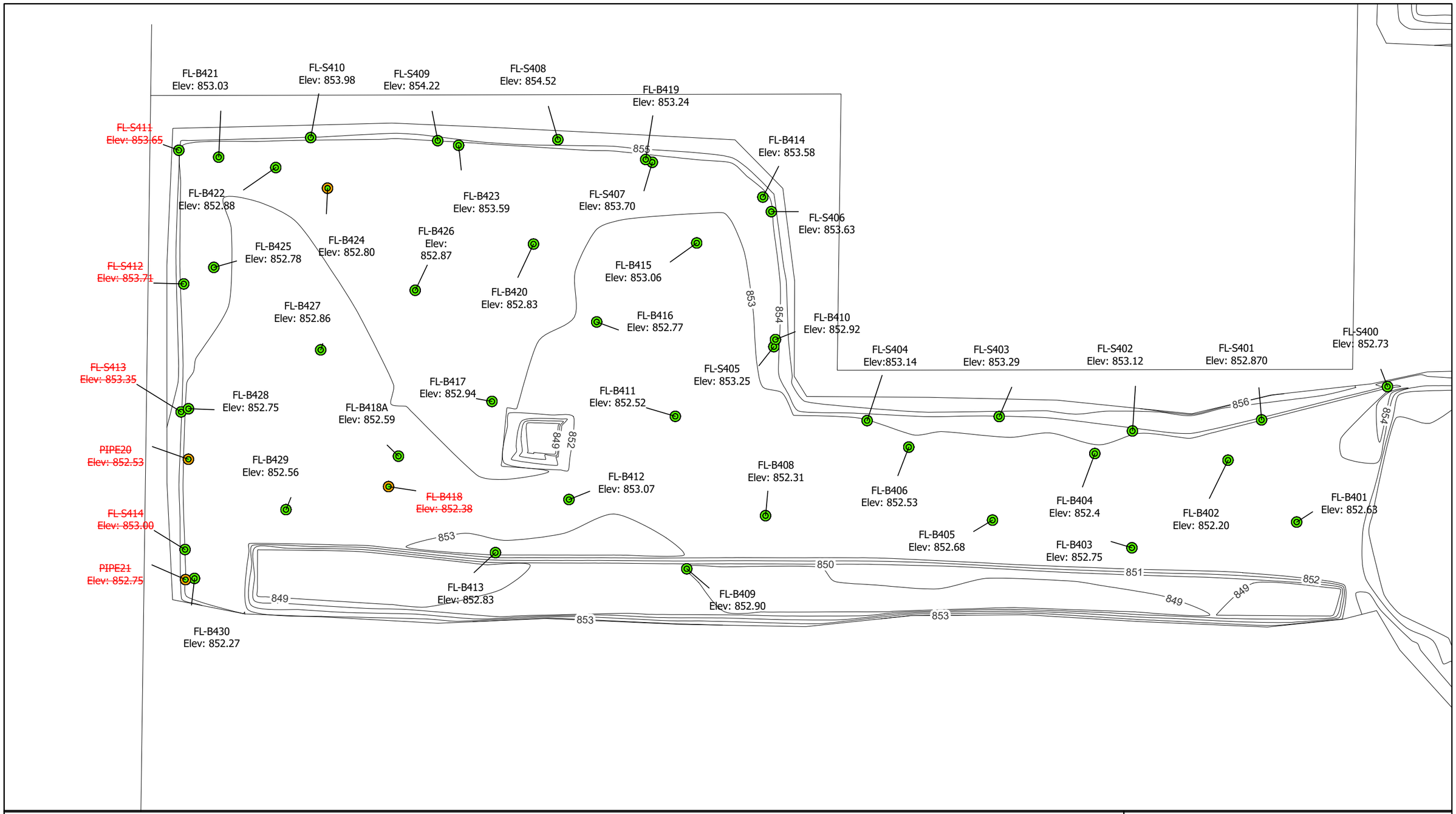
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Elmira, New York

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Figure 2A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx



Exceeds Subsurface Action Level

Does Not Exceed Subsurface Action Level

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

Confirmation Samples - Metals (2-4 ft bgs)

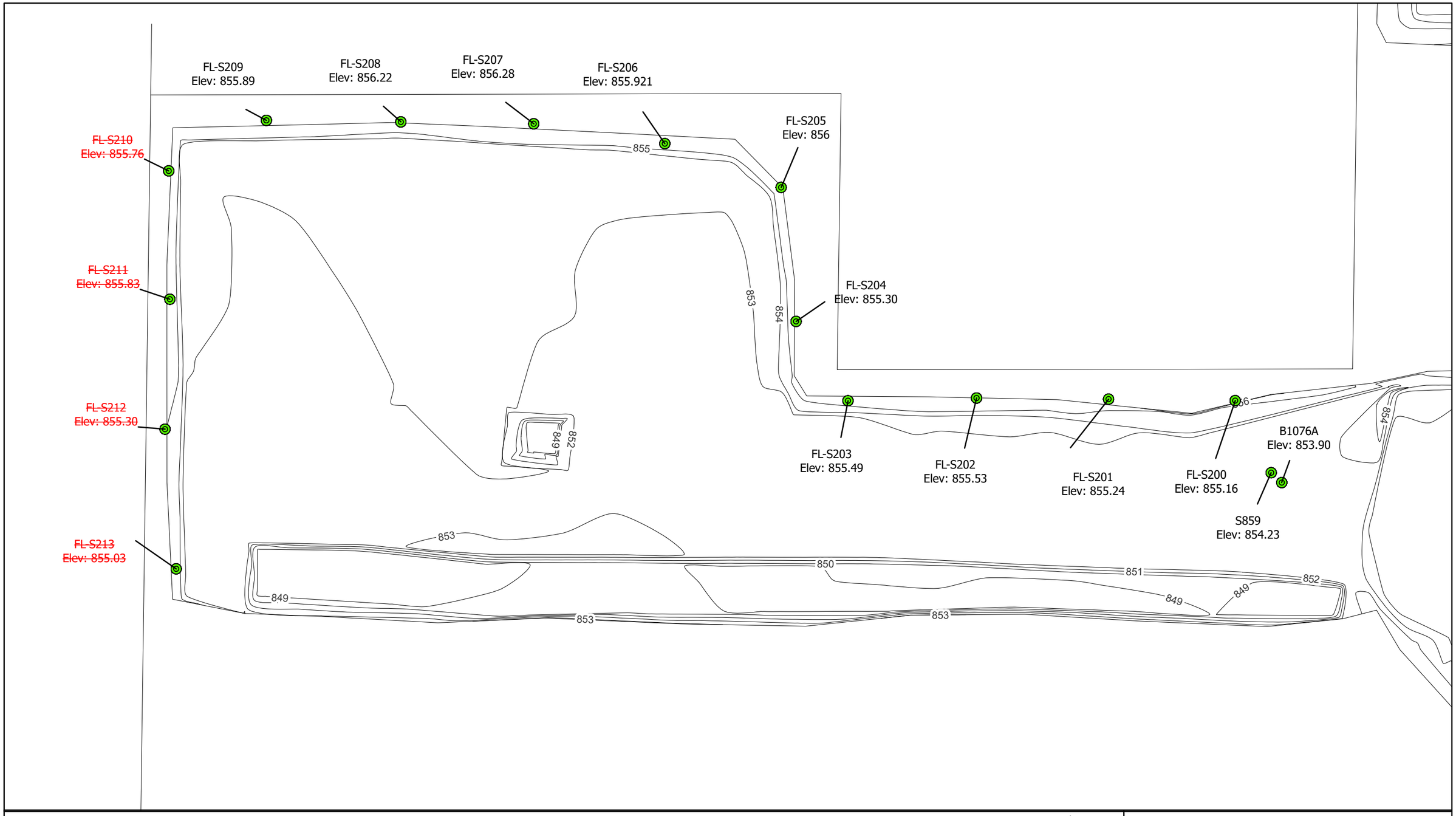
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Figure 2B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx



Exceeds PoG SCO for PCE and/or TCE

Does Not Exceed PoG SCO for PCE and/or TCE

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

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Figure 3A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx

FL-B421
Elev: 853.03

FL-S410
Elev: 853.98

FL-S409
Elev: 854.22

FL-S408
Elev: 854.52

FL-B419
Elev: 853.24

~~FL-S411~~
~~Elev: 853.65~~

855

FL-B414
Elev: 853.58

FL-B422
Elev: 852.88

FL-B423
Elev: 853.59

FL-S407
Elev: 853.70

FL-S406
Elev: 853.63

FL-B425
Elev: 852.78

FL-B424
Elev: 852.80

FL-B426
Elev:
852.87

~~FL-S412~~
~~Elev: 853.71~~

FL-B420
Elev: 852.83

FL-B415
Elev: 853.06

853

854

FL-B427
Elev: 852.86

FL-B416
Elev: 852.77

FL-B410
Elev: 852.92

FL-S404
Elev:853.14

FL-S403
Elev: 853.29

FL-S402
Elev: 853.12

FL-S401
Elev: 852.870

FL-S400
Elev: 852.73

~~FL-S413~~
~~Elev: 853.35~~

FL-S405
Elev: 853.25

FL-B417
Elev: 852.94

FL-B411
Elev: 852.52

856

FL-B428
Elev: 852.75

FL-B418A
Elev: 852.59

849

852

854

~~PIPE20~~
~~Elev: 852.53~~

FL-B429
Elev: 852.56

FL-B412
Elev: 853.07

FL-B408
Elev: 852.31

~~FL-B418~~
~~Elev: 852.38~~

FL-B406
Elev: 852.53

FL-B404
Elev: 852.4

FL-B402
Elev: 852.20

FL-B401
Elev: 852.63

~~FL-S414~~
~~Elev: 853.00~~

FL-B405
Elev: 852.68

FL-B403
Elev: 852.75

853

850

851

852

~~PIPE21~~
~~Elev: 852.75~~

FL-B413
Elev: 852.83

FL-B409
Elev: 852.90

849

849

849

853

853

FL-B430
Elev: 852.27

Exceeds PoG SCO for PCE and/or TCE

Does Not Exceed PoG SCO for PCE and/or TCE

Exceeds RR SCO

Does Not Exceed RR SCO

As-Built Sub-Grade Elevation Contours

Notes

ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 20 Feet

Confirmation Samples - VOCs (2-4 ft bgs)

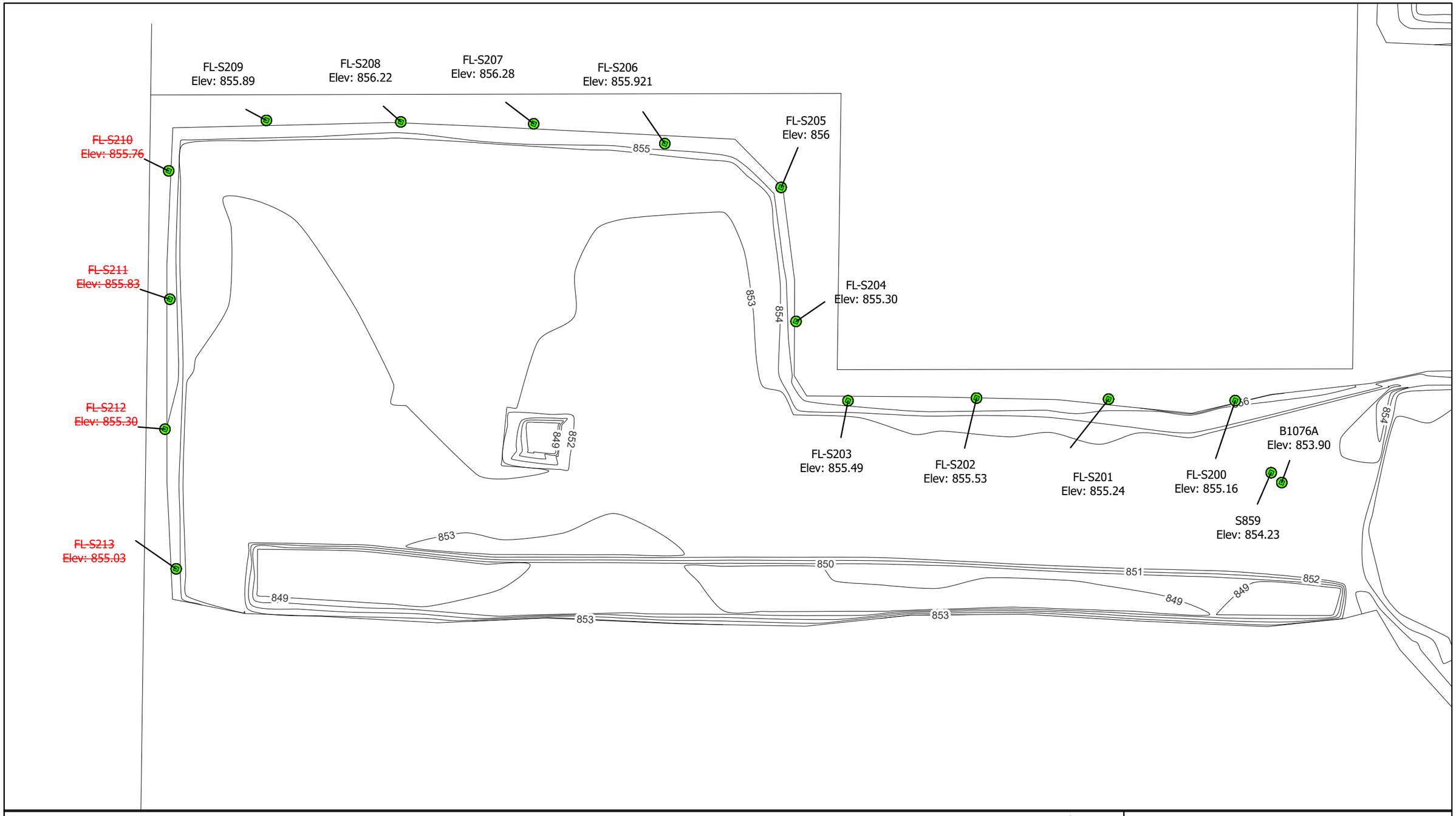
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Figure 3B

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx



Confirmation Samples - SVOCs (0-2 ft bgs)

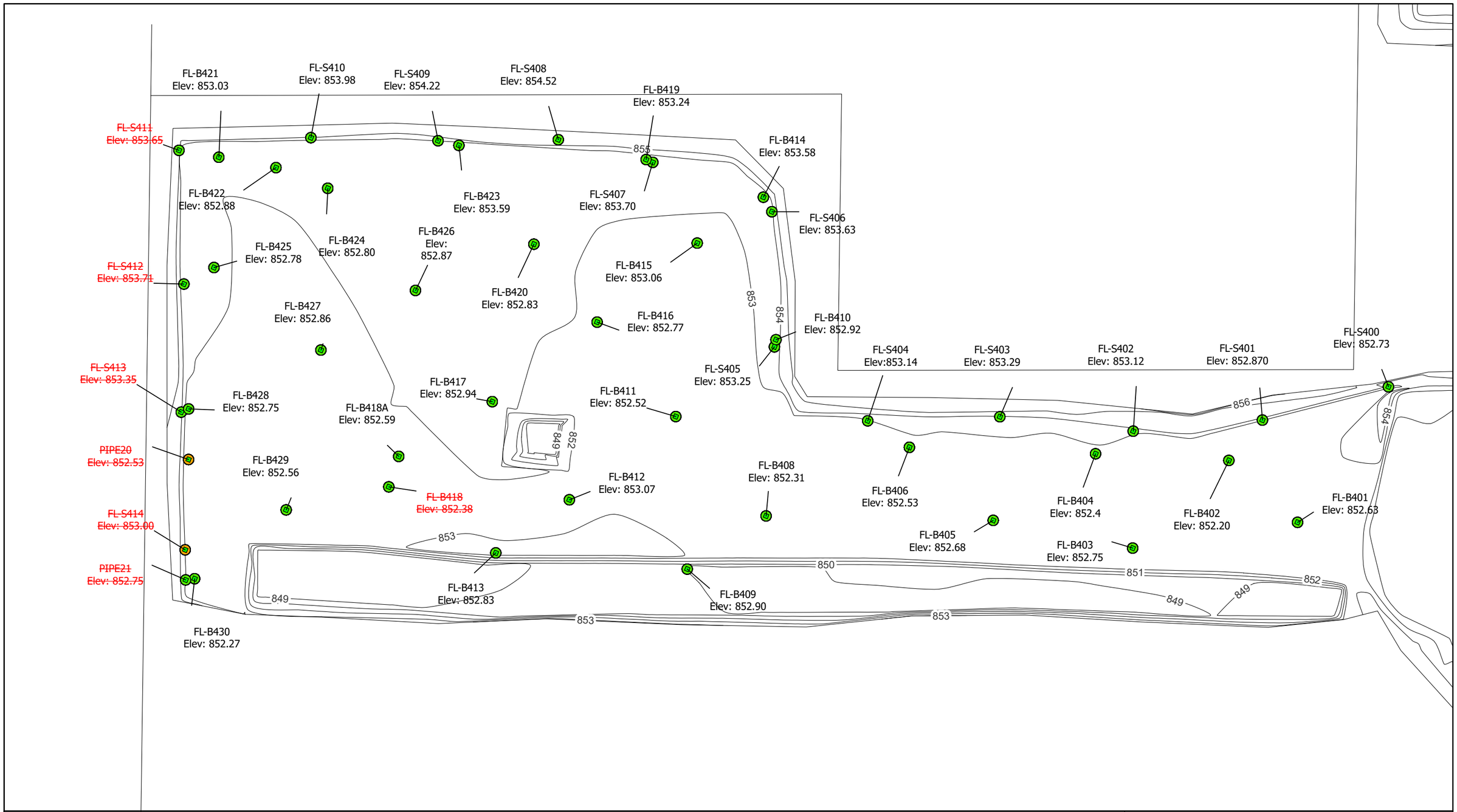
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Figure 4A

J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx



Confirmation Samples - SVOCs (2-4 ft bgs)

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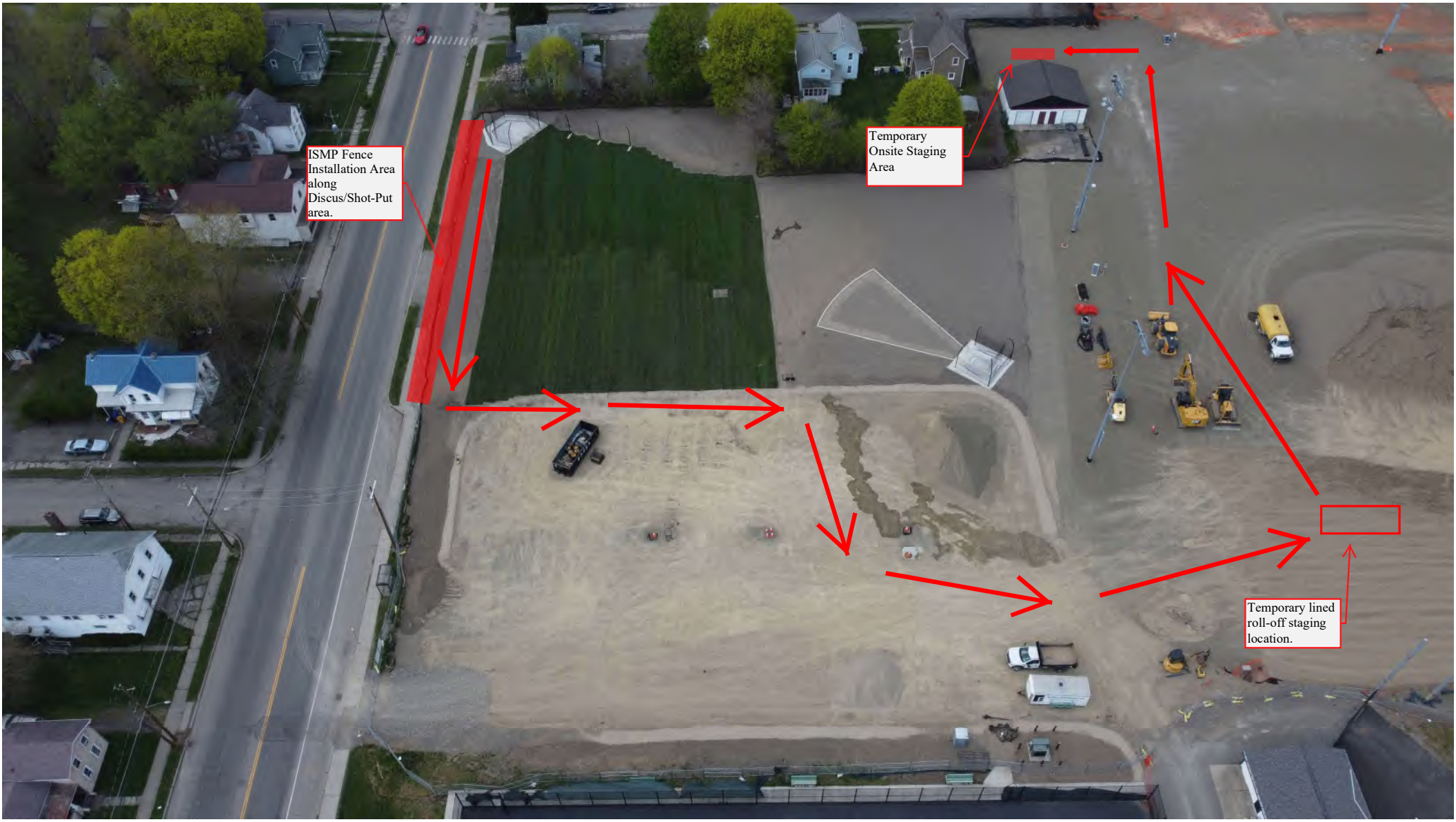
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Figure 4B

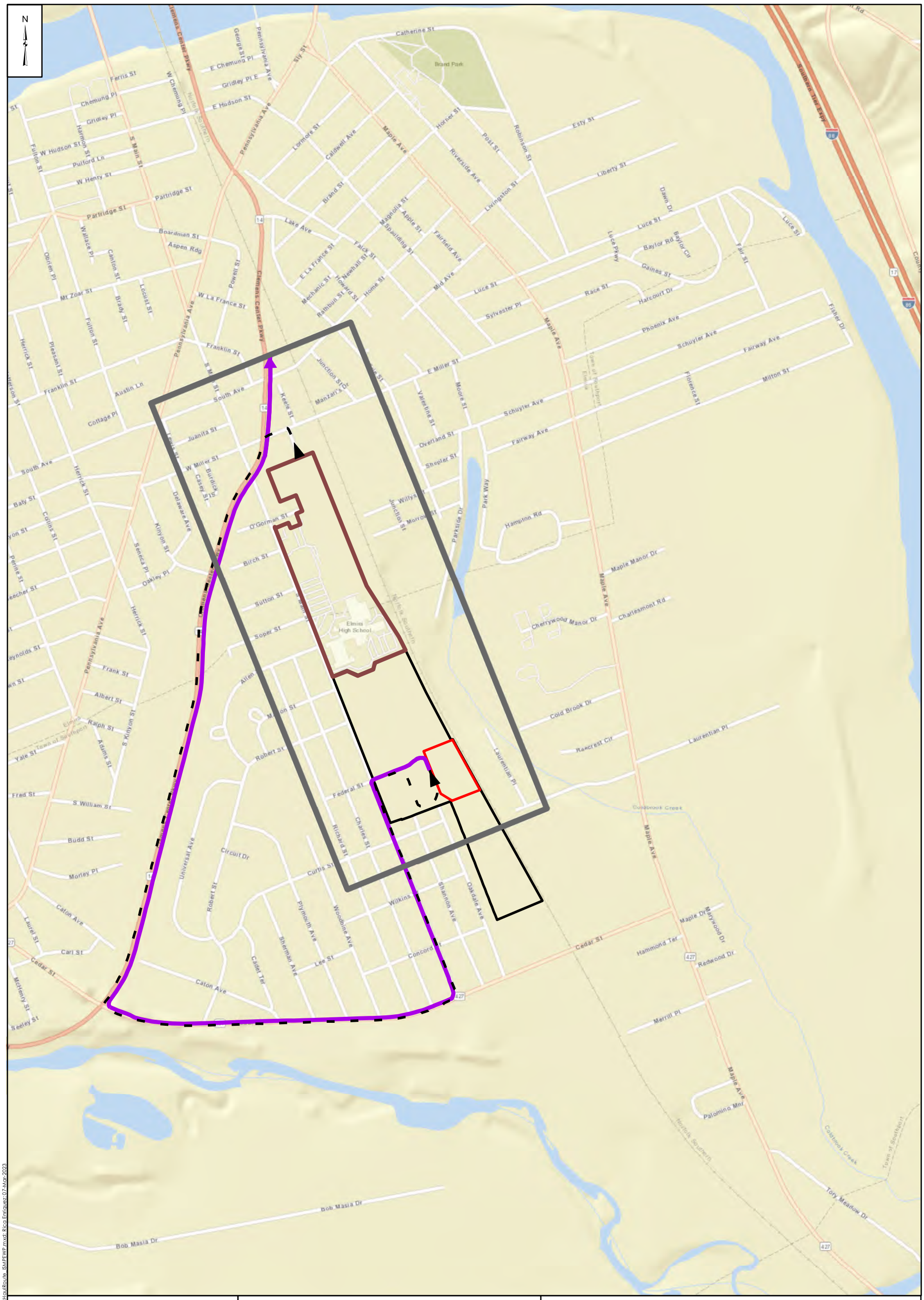
J:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira Area Florida.aprx

APPENDIX D

ROLL-OFF TRANSIT AND STAGING LOCATION


ISMP Fence Installation Area along Discus/Shot-Put area.
Temporary Onsite Staging Area
Temporary lined roll-off staging location.


Temporary Onsite Staging Area
Temporary lined roll-off staging location.
ISMP Excavation Area - Northern FFC fence location.



Intra-Site Transport

EHS Site Boundary

STCC Property Boundary

Off-Site MSA

Notes

Routes have been selected to avoid planned road construction in Elmira during the IRM, difficult traffic areas as well as to utilize routes with the most marked pedestrian crossings to ensure maximum safety.

1,000 500 0 1,000 Feet

Truck Haul Route
ISMP EWP Notification

Former Sperry Remington Site – North Portion
Elmira, New York

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Columbia, Maryland | March 2023

Figure **2**

\\Minneapolis-01\data\GIS\Elmira - MN0832\Maps\Addendum A\Figure_2_TruckHaulRoute_ISMPEWP.mxd: Rico.Enriquez: 07-Mar-2023

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

Via E-mail

Mr. Andrew Millspaugh, P.E. July 20, 2023
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: ISMP Notification/Work Plan
North Athletic Fields Restoration Excavation Activities
Former Sperry Remington Site – North Portion (#c808022)
777 South Main Street, City of Elmira, Chemung County, NY

Dear Mr. Millspaugh:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with New York State Department of Health (NYSDOH), has completed its review of the document entitled "ISMP Notification/Work Plan – North Athletic Fields Restoration Excavation Activities," dated June 30, 2023, and **Approves as modified** below:

Section 5.4 Soil Staging Methods (EWP G-4)

1. Use of the temporary roll-off is limited to soils generated as part of this ISMP submittal.
2. The staged temporary roll-off must be inspected by the QEP on a weekly basis or after heavy rainfall.
3. The method of transport of soils from the utility trench excavation to the temporary roll-off must be included in the ISMP Activity Log and approved by the Agency. If utilizing a wheeled bucket loader, the bucket is limited to ¾ capacity and must be decontaminated at the conclusion of work using existing IRM infrastructure.
4. Transport of soils must be directly supervised by the QEP and provisions must be in place to prevent impact to the IRM soil cover during transport within completed IRM soil cover areas.

Section 5.8 Materials Reuse On-Site (EWP G-8)

5. The temporary stockpile locations for excavated soil from above the demarcation layer must be provided in the ISMP Activity Log.

Section 5.9 Confirmation Sampling (EWP G-9)

6. Documentation sample locations and elevations must be surveyed by a NYS licensed surveyor.

Section 5.15 Community Air Monitoring Plan (EWP G-15)

7. PCB and VOC air monitoring may be requested in the event impacted soils, subsurface structures, tanks, etc. are encountered during excavations.

Within 10 days, please elect in writing your acceptance of the above Approved as Modified and provide a calendar schedule including report deliverables. Please contact me at (585) 226-5480 if you have questions regarding this letter.

Sincerely,



Timothy Schneider, P.E.
Professional Engineer 1

J. Magliocca / S. Cyr
D. Pratt / M. Cruden / K. Zappia
S. Bogardus / J. Deming
K. Krueger / M. Howe / J. Huha

Sterling Environmental Engineering, P.C.

ISMP NOTIFICATION/WORK PLAN
NORTH ATHLETIC FIELDS RESTORATION
EXCAVATION ACTIVITIES

ELMIRA HIGH SCHOOL
ELMIRA, NEW YORK

Prepared For:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared By:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

June 30, 2023

"Serving our clients and the environment since 1993"

ISMP NOTIFICATION/WORK PLAN
NORTH ATHLETIC FIELDS RESTORATION
EXCAVATION ACTIVITIES

ELMIRA HIGH SCHOOL
ELMIRA, NEW YORK

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Appendix A ISMP Activity Locations
Appendix B ISMP Activity Details
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1.0 INTRODUCTION

Sterling Environmental Engineering, P.C., (STERLING) has prepared this Notification/Work Plan to notify the New York State Department of Environmental Conservation (NYSDEC) of planned ground intrusive work at the Former Sperry Remediation Site in compliance with the provisions of the Interim Site Management Plan (ISMP) as part of the North Athletic Fields (NAF) restoration project on behalf of the Elmira City School District (ECSD).

Ground intrusive activities are required to be performed in accordance with the Excavation Work Plan (EWP), Appendix G of the ISMP. The format and content of this Notification/Work Plan is based on the requirement provided in Section G-1 of the EWP.

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive excavation activities:

1. The installation of four concrete foundations for light poles surrounding the new softball field. The foundation locations are shown in Appendix A and construction details are shown in Appendix B. Construction activities will consist of excavating a square footing to a depth of 5 feet below the final cover system surface. A cylindrical pier will be augered an additional 3 feet at the center of the square footing to an ultimate depth of 8 feet below the final cover system grade The foundations will be backfilled with compacted fill, reinforcing steel, and concrete up to the final cover surface grade. Two foundations will have 8-foot by 8-foot square footings (Type "A" Foundation) and two foundations will have 9-foot by 9-foot square footings (Type "B" Foundation). Both Type A and B foundations will have 3-foot diameter piers. Type A foundations will excavate approximately 12.6 CY each, and Type B foundations will excavate approximately 15.8 CY each. As shown in Appendix C, foundations A1, A2, and B2 are expected to be installed in areas with at least 2.5 feet of imported backfill. Foundation B1 is expected to be installed entirely within imported backfill. Therefore, the estimated quantity of soil requiring management is approximately 6.7 CY for Foundation A1, 6.7 CY for Foundation A2, and 8.3 for Foundation B2 (21.7 CY total).

2. The installation of one concrete foundation for the new softball field scoreboard. The foundation location is shown in Appendix A and the construction detail is shown in Appendix B. Construction activities will consist of excavating a rectangular footing to a depth of 4 feet below the final cover system surface. The foundation dimensions are 16 feet long by 4.25 feet wide, which will require excavation of approximately 10 CY. As shown in Appendix C, the foundation will be installed in an area with at least 2.5 feet of imported backfill. Therefore, the estimated quantity of soil requiring management is approximately 3.8 CY.

3. The installation of electrical and communication utilities from Fieldhouse 1 to the NAF. As shown in Appendix A, conduit connections to Fieldhouse 1 will require trench excavations into native soils. Once within the NAF IRM5A2 limits, electric and communication trenches will be installed above demarcation layer and entirely within imported cover system soil. Utility trenches within native soil will extend to a depth of 2.5 feet in accordance with Detail 5 on Sheet L6.2 in Appendix B. The length of utility trench into native soil is estimated at 50 feet, which will result in approximately 14 CY of soil requiring management.

Soil removed from all excavation locations and cover reconstruction activities will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

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A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The excavation activities for the light poles and scoreboard foundations will occur entirely within the NAF IRM 5A2 work limits. The utility trenches will begin in native soil at the northeast corner of Fieldhouse 1 and traverse the completed ISMP excavation for the Main Street sanitary line prior to entering the NAF IRM5A2 work limits. A summary of environmental conditions is presented in Appendix C that includes a "heat map" showing the thickness of imported soil above demarcation layer within the NAF. Also included in Appendix C are confirmation data for the Main Street sanitary line in the area of the proposed utility trenches from Fieldhouse 1 to the NAF.

4.0 WORK SCHEDULE

Construction activities described in this ISMP are scheduled to be initiated as soon as possible following NYSDEC approval and contractor availability, but no later than August 1, 2023. A completed ISMP Activity Log will be submitted indicating the actual start date, schedule for construction completion, and a schedule for report deliverables.

5.0 APPLICABLE COMPONENTS OF EWP

The following is a list of the sections of the EWP addressed in this notification and the party responsible for each work item.

Applicable	EWP Section	Description of Work	Responsibility
X	G-1	Notification to the NYSDEC	ECSD
X	G-2	Roles and Responsibilities	ECSD
X	G-3	Soil Screening Methods	ECSD and Geosyntec
X	G-4	Soil Staging Methods	Geosyntec
X	G-5	Materials Excavation and Load-Out	ECSD and Geosyntec
X	G-6	Materials Transport Off-Site	Geosyntec
X	G-7	Materials Disposal Off-Site	Geosyntec
X	G-8	Materials Reuse On-Site	Geosyntec
X	G-9	Confirmation Sampling	ECSD and Geosyntec
X	G-10	Fluids Management	Geosyntec
X	G-11	Cover System Restoration	ECSD
X	G-12	Backfill from Off-Site Sources	ECSD
NA	G-13	Stormwater Pollution Prevention	ECSD
X	G-14	Excavation Contingency and Dewatering Plan	ECSD
X	G-15	Community Air Monitoring Plan	ECSD and Geosyntec
NA	G-16	Odor Control Plan	NA
X	G-17	Dust Control Plan	Geosyntec
NA	G-18	Other Nuisances	NA
X	G-19	Access Controls	ECSD

A description of how the proposed work will conform with each applicable section of the EWP is provided in the following sections.

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5.1 Notification (EWP G-1)

This Notification/Work Plan constitutes the notification to the NYSDEC required by Section G-1 of the ISMP/EWP for planned ground intrusive activities. Information contained in this notification was obtained primarily from Hunt Engineering (HUNT), engineering consultant for ECSD, and Geosyntec, environmental and engineering consultant for Unisys.

5.2 Roles and Responsibilities (EWP G-2)

Per Section G-2 of the ISMP/EWP, a Qualified Environmental Professional (QEP) will be required and responsible for any ISMP-related monitoring and compliance during any ground intrusive or other relevant work performed at the EHS. Geosyntec will provide the following QEPs to perform oversight for ground intrusive work associated with this ISMP notification.

Ms. Miranda Stelmach
Mstelmach@Geosyntec.com
Cell: 920-676-4194

These QEPs report to Geosyntec's Project Manager, Mr. Aron Krasnopoler. The Geosyntec Project Director is Ms. Jennifer Huha. Ms. Huha and Mr. Krasnopoler can be contacted at:

Mr. Aron Krasnopoler
AKrasnopoler@Geosyntec.com
Cell: 202-550-7724

Ms. Jennifer Huha
Jhuha@Geosyntec.com
Cell: 610-636-1016

ECSD will provide a QEP for the work described herein if this ISMP-related work is performed when IRM-related work is not being performed and a Geosyntec QEP is not available, or Geosyntec cannot otherwise provide a QEP. The site contact for ECSD is:

Mr. Joe Magliocca
jmagliocca@elmiracityschools.com
Cell: 607-684-1508

Geosyntec will be responsible for the following work:

- Provide QEP for all monitoring required by the ISMP notification.
- Perform soil screening and monitoring required by the ISMP during ground disturbance.
- Notify the NYSDEC if excavated soil is to be characterized for reuse on site.
- Arrange for and properly manage soil transport and load out for offsite disposal, or for on-site reuse.
- Coordinate with ECSD representatives and contractors to decontaminate equipment.
- Perform community air monitoring.
- Manage all decontamination wastes.

ECSD and its contractors will be responsible for the following work:

- Remove soil during excavation activities and handle in accordance with the appropriate sections of the ISMP/EWP, as described below.
- Transport excavated soil to approved storage area.

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- Install the light pole foundations, scoreboard foundation, and utility trenches in accordance with engineering drawings and details.
- Coordinate with Unisys/Geosyntec representatives and contractors to decontaminate equipment.
- Provide a QEP for all monitoring required by the ISMP notification if one is unavailable or not provided by Geosyntec.
- Provide As-Built drawings prepared by an NYS licensed surveyor of the excavation and extent of demarcation at the completion of the work.

5.3 Soil Screening Methods (EWP G-3)

Soil screening of all removed soil will be performed by the QEP as described in, and as required by, Section G-3 of the ISMP/EWP. It is anticipated that soils to be encountered will be a combination of previously imported fill and uncharacterized soils.

5.4 Soil Staging Methods (EWP G-4)

Excavated soil will be staged as described in, and as required by, Section G-4 of the ISMP/EWP. Excavated soil from above demarcation layer will be segregated and stockpiled for reuse as backfill. It is estimated that approximately 39.5 CY of uncharacterized soils may be encountered during excavation activities and will be managed for off-site disposal. Based on the analytical results from representative confirmation samples for completed IRM 5A2 excavations, excavated soils from the light pole and scoreboard foundations are determined to be non-hazardous. Analytical data will be submitted to the receiving non-hazardous waste facility for development of a waste profile and waste acceptance prior to excavation. Pre-characterized soil will be loaded directly into haul trucks or lined roll-off containers for immediate off-site transport to either the STCC material storage area (MSA) or the receiving disposal facility. Soil from the utility trench excavation cannot be pre-characterized and will be loaded into lined roll-off containers for transport to a designated area on ECSD property for temporary staging to allow for waste characterization followed by offsite disposal. The temporary staging area is identified in Appendix D.

Uncharacterized soil will not be transported for offsite storage or disposal until a waste acceptance document has been obtained and provided to the NYSDEC.

CAMP monitoring will be performed during ground intrusive activities by the QEP, as described in Section 5.15.

5.5 Materials Excavation and Load-Out (EWP G-5)

Load-out of excavated soil will be performed by the ECSD contractor, and as described in, and as required by, Section G-5 of the ISMP/EWP. Pre-characterized soil will be loaded directly into haul trucks or lined roll-off containers for immediate off-site transport to either the STCC MSA or the receiving disposal facility. Uncharacterized soil will be loaded into lined roll-off containers for transport to a designated area on ECSD property for temporary staging to allow for waste characterization followed by offsite disposal. The temporary staging area is identified in Appendix D. Geotextile or poly sheeting will be placed on the ground below the haul trucks or roll-off containers during loading activities.

Once characterized, the temporarily staged soil will be transported directly to the offsite disposal facility or will be relocated to the STCC MSA for staging with other IRM soils pending offsite disposal. Geosyntec and the Unisys remedial contractor will be responsible for load-out and offsite disposal following waste characterization.

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5.6 Materials Transport Off-Site (EWP G-6)

Transportation of the excavated soil will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. Geosyntec or the Unisys remediation contractor will coordinate for transportation of the excavated soil for offsite disposal following waste characterization.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of excavated soil. Excavations of uncharacterized native soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs. Pre-characterized soil will be loaded directly into haul trucks or lined roll-off containers for immediate off-site transport to either the STCC MSA or the receiving disposal facility. Uncharacterized soil will be loaded into lined roll-off containers for transport to a designated area on ECSD property for temporary staging to allow for waste characterization followed by offsite disposal. The temporary staging area is identified in Appendix D. The Unisys remediation contractor will coordinate transportation of the excavated soil for offsite disposal following waste characterization. The likely landfill for disposal is Hyland Landfill in Ontario, NY, operated by Casella Waste Systems.

5.8 Material Reuse On-Site (EWP G-8)

Excavated soil from above a demarcation layer will be segregated and stockpiled for reuse as backfill material without chemical testing. If on-site reuse of excavated soils from beneath demarcation layer is contemplated, the NYSDEC will be informed and laboratory analyses will be performed to determine whether the soil meets the criteria for reuse on-site, either within a soil cover system, or as fill material below a soil cover system, in accordance with Section G-8 of the ISMP/EWP. Soil quality would need to meet the requirements in NYSDEC DER-10 Appendix 5 to be reused. The number and type of soil samples would be in accordance with Section G-8 of the ISMP/EWP. A Request to Import/Reuse Fill or Soil form would be submitted to the NYSDEC by Geosyntec for approval if reuse of the soil onsite is supported by the laboratory analytical data.

5.9 Confirmation Sampling (EWP G-9)

Documentation samples will be collected from each excavation into uncharacterized soil. Foundation excavations will include one sample from each sidewall from beneath demarcation layer and one sample from the excavation bottom (i.e., 5 samples per excavation). The utility trenches will collect samples from each sidewall and the trench bottom at a 30 ft spacing. Documentation samples will be collected for full suite parameters (SVOCs, VOCs, PCBs, and metals) with 25% of samples collected for emerging contaminants.

5.10 Fluids Management (EWP G-10)

Fluid management is not expected with the proposed ISMP work. Excavations will not extend to the groundwater table. Equipment that comes into contact with native soils will be decontaminated by dry methods to remove any loose soil to prevent cross-contamination.

Haul trucks transporting excavated soils from ISMP activities will be decontaminated on pre-approved decontamination areas prior to exiting the IRM5A2 work area. No wet decontamination will occur outside of active IRM work areas.

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5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in accordance with the details shown in Appendix B, and in compliance with Section G-11 of the ISMP/EWP.

A demarcation layer is required as described in Section G-11 of the Excavation Work Plan "to provide a visual reference to the top of the remaining contamination zone". A demarcation layer will be installed in all excavations and will tie into surrounding demarcation layer associated with completed IRM excavations if present at the ISMP excavation limits. The demarcation layer will consist of orange snow fencing material, geotextile, or equivalent material.

As-built documentation from a NYS licensed land surveyor will be provided for all restored Engineering Controls, per Section G-11 of the EWP.

5.12 Backfill from Off-Site Sources (EWP G-12)

Backfill from off-site sources will include the following:

1. Light Pole Foundations: Backfill will include compacted approved backfill, reinforcing steel, and poured concrete.
2. Scoreboard Foundation: Backfill will include reinforcing steel and poured concrete.
3. Utility Trenches: Backfill will include approved granular fill.

All material to be used as backfill from off-site sources have been approved by the NYSDEC and "Request to Import/Reuse Fill or Soil forms" have been submitted to the NYSDEC.

5.13 Stormwater Pollution Prevention (EWP G-13)

A Stormwater Pollution Prevention Plan (SWPPP) has been developed for the NAF restoration that includes the improvements described in this ISMP notification.

5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during excavation, auguring or installation activities, or if groundwater is encountered and discharges continuously from the augured location, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. If CAMP monitoring is performed when IRM-related work is not being performed and a Geosyntec QEP is not available, or Geosyntec cannot otherwise provide a QEP to perform CAMP monitoring, ECSD will provide a QEP to perform the CAMP monitoring. Daily CAMP monitoring data will be provided to NYSDEC whether the monitoring is performed by Geosyntec or ECSD.

The construction activities have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent to the work zone using the existing CAMP monitoring network for IRM5A2 as shown in Appendix D. The following controls will be implemented, as applicable, for community protection:

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- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that excavating or soil load-out occurs.

Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to eliminate dust or airborne particulates during the excavation, installation, auguring, and backfilling activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

The work area for the excavation activities will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures include, but are not limited to, fencing around the ISMP work areas as these excavations are within the limits of disturbance of work associated with IRM #5A2.

6.0 HEALTH AND SAFETY

The work will be performed in compliance with the ISMP/EWP and 29 CFR (Code of Federal Regulations) 1910.120. Contractor personnel will be required to have 40-hour Hazwoper training. A copy of the contractor's Health and Safety Plan (HASP) will be provided to the NYSDEC in electronic format if it differs from the HASP in Appendix 4 of the ISMP.

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APPENDIX A

ISMP ACTIVITY LOCATIONS

GENERAL NOTES

A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING. SEE SCHEDULE.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. (ALTERNATE 6) PROVIDE 8' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION. SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE, SEE DETAIL 7/L6.3
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 3/L6.2.
9. (ALTERNATE 4) PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK). SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 4/L6.2.
11. NOT USED
12. NOT USED
13. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO, SEE DETAILS 4&8/L6.3.
14. PROVIDE A 45' LONG, 8' TALL VINYL COATED CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4. 8' TALL VINYL COATED.
15. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
16. PROVIDE 20' TALL FOUL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL. SEE DETAIL 10/L6.3.
17. (ALTERNATE 5) PROVIDE 6' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION, SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
18. DURAEDGE CLAY INFIELD MIX, SEE DETAIL 5/L6.4.
19. (ALTERNATE 7) BASEBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 5&6/L6.4. MOUND MASTER CLAY BLOCK BY OWNER.
20. (BY DISTRICT) SITE TO BE REESTABLISHED WITH TOPSOIL, SEED/SOD, SEE DETAIL 9/L6.3.
21. (ALTERNATE 3) BASEBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
(ALTERNATE 2) SOFTBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
22. BASEBALL DUGOUT FOUNDATIONS BY OTHERS.
23. (ALTERNATE 11) PROVIDE SOFTBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 4,5&6/L6.4.
24. (ALTERNATE 9) SOFTBALL DUGOUT FOUNDATIONS, SEE STRUCTURAL.
25. (ALTERNATE 12) PROVIDE SOD AT BASEBALL AND SOFTBALL FIELDS.
26. 5" THICK CONCRETE SLAB FOR ELECTRICAL PANELS. COORDINATE SIZE WITH ELECTRICAL CONTRACTOR, SEE DETAIL 2/L6.3.

Foundation B1
9 ft x 9 ft

Foundation
16 ft x 4.25 ft

Foundation B2
9 ft x 9 ft

Foundation A1
8 ft x 8 ft

Foundation A2
8 ft x 8 ft

6' CHAIN LINK FENCE
APPROXIMATE PROPERTY LINE
TOUNG SAFETY STRUCTURES
12' CHAIN LINK FENCE
6' CHAIN LINK FENCE
EDGE OF WOODED AREA
OGORMAN STREET
FIELDHOUSE
YARD HYDRANT
MAINTENANCE VEHICLES ONLY
--CONCRETE SIDEWALK--
SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

1 SITE IMPROVEMENT PLAN
SCALE: 1" = 30'

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 368 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4886

STATE OF NEW YORK TIMOTHY KANE SLATE 090999 LICENSED PROFESSIONAL ENGINEER
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/16/2023	ADDENDUM #1	
	3/28/2023	REVISION PER DEC COMMENTS	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL.

SITE IMPROVEMENT PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

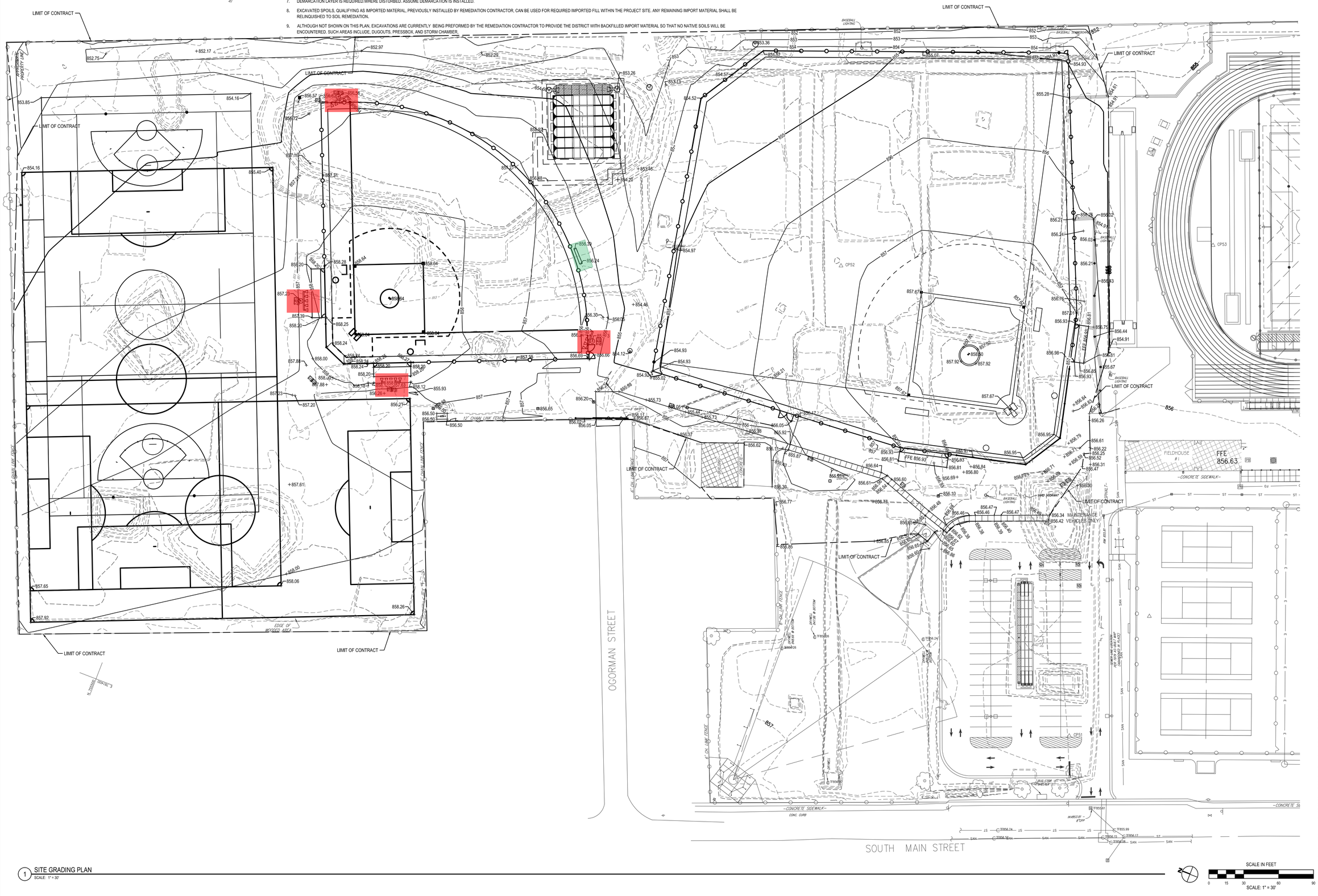
EHS: 07-06-0001-0415-0426; Fieldhouse #1: 07-06-0001-0415-0426; Fieldhouse #2: 07-06-0001-2444-003; Press Box @ Basketball: 07-06-0001-0482-001; Press Box @ Softball: 07-06-0001-0483-001

L2.2

PROJECT NO: 2012-238

GENERAL NOTES

1. EXISTING IRRIGATION IS NOT YET INSTALLED OR BEING SHOWN IN AN APPROXIMATE LOCATION. WILL BE INSTALLED DURING CONSTRUCTION.
2. THE SITE IS BEING RESTORED AFTER SOIL REMEDIATION MEASURES, CONTRACTUALLY, THE SOIL REMEDIATION CONTRACTOR IS RESPONSIBLE FOR BACKFILL AND RESTORATION A COVER SYSTEM IS OF CLEAN IMPORTED MATERIAL IS TO BE INSTALLED NO LESS THAN 2'-6" BELOW FINISH GRADE. COVER SYSTEM INCLUDE AN IMPORTED GRANULAR FILL METING NYSDOT TYPE 4 SPECIFICATION AND 6" OF TOPSOIL IN LAWN AREAS, SAID CONTRACTOR IS RESPONSIBLE FOR SEEDING, SOD, EROSION AND SEDIMENT CONTROL. IMPORTED GRANULAR FILL CAN BE REUSED ON SITE OR TURNED OVER TO THE REMEDIATION CONTRACTOR.
3. ALL WORK WILL REQUIRE STRICT COORDINATION BETWEEN ALL CONTRACTORS ON SITE. SCHEDULE REFLECTS MULTIPLE CONTRACT WORK PREFORMED AT THE SAME TIME.
4. CONTOURS SHOWN AS EXISTING ON PLAN REPRESENT THE ELEVATION AT WHICH THE IMPORTED BACKFILL MATERIAL ENDS AND A DEMARCATION LAYER IS FOUND.
5. FOR NEW PAVED SURFACES, IT IS EXPECTED THAT THE REMEDIATION CONTRACTOR WILL PROVIDE GRANULAR FILL UP TO THE ELEVATION REQUIRED FOR PAVEMENT DETAIL, TRUE AND LEVELING AND ELEVATION CONFIRMATION MAY BE REQUIRED.
6. ASSUME AUGURED FOUNDATIONS WILL PENETRATE DEMARCATION LAYER AND SOIL MANAGEMENT ACTIVITIES WILL BE REQUIRED FOR SOIL MANAGEMENT.
7. DEMARCATION LAYER IS REQUIRED.WHERE DISTURBED. ASSUME DEMARCATION IS INSTALLED.
8. EXCAVATED SPOILS. QUALIFYING AS IMPORTED MATERIAL, PREVIOUSLY INSTALLED BY REMEDIATION CONTRACTOR, CAN BE USED FOR REQUIRED IMPORTED FILL WITHIN THE PROJECT SITE. ANY REMAINING IMPORT MATERIAL SHALL BE RELINQUISHED TO SOIL REMEDIATION.
9. ALTHOUGH NOT SHOWN ON THIS PLAN, EXCAVATIONS ARE CURRENTLY BEING PREFORMED BY THE REMEDIATION CONTRACTOR TO PROVIDE THE DISTRICT WITH BACKFILLED IMPORT MATERIAL SO THAT NO NATIVE SOILS WILL BE ENCOUNTERED. SUCH AREAS INCLUDE, DUGOUTS, PRESSBOX, AND STORM CHAMBER.



1 SITE GRADING PLAN
SCALE: 1" = 30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

STATE OF NEW YORK
TIMOTHY KANE STID
NO. 080995
LICENSED PROFESSIONAL ENGINEER
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/29/2023	REVISION PER DEC COMMENTS	

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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000
ROCHESTER, NY 585 - 327 - 7949
TOWANDA, PA 570 - 265 - 4868

SITE GRADING PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

EHS: 07-06-00-01-0-016-026; Fieldhouse #1: 07-06-00-01-2-044-003; Press Box @ Baseball: 07-06-00-01-7-082-001; Press Box @ Softball: 07-06-00-01-7-083-001

L4.2

PROJECT NO: 2012-238

SITE UTILITY NOTES

1. BY OTHERS: PROVIDE 12" DIA HDPE PERIMETER PIPE, SEE DETAIL 8/L6.2. CONTRACTOR TO PROVIDE ADAPTER CONNECTIONS FROM FLAT PANEL DRAIN TO PERIMETER PIPE WITH MANUFACTURERS ADAPTOR CONNECTIONS AND ADS INSERTA-TEE OR APPROVED EQUAL.
2. PROVIDE 12" FLAT PANEL DRAIN BY HYDRAWAY 2000, 15' O.C WITHIN SOFTBALL & BASEBALL FIELDS, SEE DETAIL 1 & 9/L6.2.
3. PROVIDE HDPE STORM PIPE AND SIZE AS INDICATED ON PLAN. SEE LEGEND AND SEE DETAIL 12/L6.2.
4. BY OTHERS: HDPE STORM PIPE AND SIZE AS INDICATED ON PLAN. SEE LEGEND AND SEE DETAIL 12/L6.2.
5. NOT USED.
6. BY OTHERS: 24"x24" MIN. PRECAST CONCRETE CATCH BASIN, SEE DETAIL 10/L6.2.
7. NOT USED
8. SEE ELECTRICAL DRAWINGS FOR POWER AND TECH INFORMATION. SEE DETAIL 5/L6.2 FOR TRENCHING.
9. (ALTERNATE 1) PROVIDE 12" FLAT PANEL DRAIN BY HYDRAWAY 2000, 15' O.C AT PRACTICE FIELDS. SEE DETAIL 1/L6.2. CONTRACTOR TO PROVIDE ADAPTER CONNECTIONS FROM FLAT PANEL DRAIN TO PERIMETER PIPE WITH MANUFACTURERS ADAPTOR CONNECTIONS AND ADS INSERTA-TEE OR APPROVED EQUAL.
10. BY OTHERS: 5' DIA PRECAST CONCRETE STORM MANHOLE WITH OPEN GRATE, SEE DETAIL 11/L6.2.
11. BY OTHERS: STORM CHAMBER SYSTEM AND PRECAST CONCRETE MANHOLES. SEE DETAILS ON SHEETS L6.1.
12. NOT USED.
13. PROVIDE PERFORATED HDPE COLLECTOR STORM PIPE WITH WESTERN AG PVC 30 MIL LINER AND STONE UP TO FINISH GRADE, SEE DETAIL 12/L6.3.
14. PROVIDE CONCRETE WASHOUT AREA, SEE DETAIL 3/L6.4.
15. PROVIDE PERFORATED HDPE COLLECTOR STORM PIPE WITH WESTERN AG PVC 30 MIL LINER AND #2 WASHED CRUSH STONE UP TO FINISH GRADE, SEE DETAIL 12/L6.3.
16. PROVIDE 50' LENGTH 12" FLAT PANEL DRAIN BY HYDRAWAY 2000, SEE DETAIL 1/L6.2. CONNECT TO MH.
17. BY OTHERS: 6" PERFORATED FRENCH DRAIN, SEE DETAIL 13/L6.3.
18. NOT IN CONTRACT: RESERVE AREA FOR FUTURE STORMWATER CHAMBER EXPANSION.

GENERAL NOTES:

1. IRRIGATION DESIGN IS NOT SHOWN, BUT WILL BE DESIGNED AND INSTALLED BY OTHERS AT TIME OF CONSTRUCTION.

LEGEND

- ST — STORM PIPE BY CONTRACTOR
- ST — STORM PIPE BY OTHERS
- E — E — ELECTRICAL LINE
- FLAT PANEL DRAIN
- RIPRAP WITH LINER

STMH-5 (OPEN GRATE) RIM: 852.58 SE INV: 849.35 W INV: 848.70 W INV:850.58 N INV (OUT): 848.70

STMH-6 (OPEN GRATE) RIM: 853.56 SE INV: 850.31 NW INV: 850.31

STMH-1 (OPEN GRATED) RIM: 855.27 INV W: 852.36 INV S: 850.97 INV SW: 851.08 INV E (OUT): 850.97

CB-1 RIM: 856.38 INV N: 853.68 INV NE: 853.68 INV S: 853.68

CB-2 RIM: 856.65 INV N: 853.22 INV E: 853.95 INV S: 853.22

CB-3 RIM: 856.20 INV N: 852.98 INV SE: 852.98

CB-6 RIM: 855.16 INV N: 851.87 INV S: 851.87

CB-5 RIM: 855.52 INV N: 852.78 INV E: 852.78 INV S: 852.78

CB-4 RIM: 856.10 INV NW: 853.40 INV NE: 853.40

BOTTOM OF PLASTIC: 844.58

CAP 6" ABOVE FINISH GRADE OF CONCRETE SLAB INV: 856.40

CAP ENDS HP INV: 856.30

CAP FLUSH WITH FINISH GRADE CAP INV: 854.87

CAP INV: 855.30

CAP HP INV: 852.58

CAP HP INV: 852.73

CAP INV: 854.20

CAP HP INV: 855.00

CAP FLUSH WITH FINISH GRADE CAP INV: 854.16

CAP HP INV: 855.00

CAP HP INV: 855.00

LP INV: 853.80

LP INV: 851.25

INV: 855.21

INV: 855.21

INV: 853.65

INV: 855.57

INV: 855.78

INV: 856.77

INV: 856.19

INV: 855.17

INV: 854.69

INV: 856.00

INV: 854.58

INV: 852.42

INV: 852.85

INV: 852.96

INV: 853.99

INV: 853.94

INV: 854.38

INV: 854.38

INV: 854.92

INV: 854.92

INV: 854.75

INV 854.80

HP INV: 852.73

FOUND UTILITY STRUCTURE

BASEBALL SCOREBOARD

15" PERF HDPE WITH LINER

18" HDPE

12" HDPE

6" HDPE

12" CHAIN LINK FENCE

6' CHAIN LINK FENCE

E-CH. LINK FENCE

3' GATE

CONCRETE

ASPHALT

YARD HYDRANT

MAINTENANCE VEHICLES ONLY

BASEBALL LIGHTING

UTILITY TRENCHES TO DEPTH OF 2.5 FT

SAN MH-2 = 856.21 INV = 851.15 (S) INV = 851.05 (W)

1 SITE UTILITY PLAN
SCALE: 1" = 20'

SCALE IN FEET
0 10 20 40 60
SCALE: 1" = 20'

EHS 07-06-00-01-0-010-006; Fieldhouse #1: 07-06-00-01-2-044-003; Press Box @ Baseball: 07-06-00-01-7-062-001; Press Box @ Softball: 07-06-00-01-7-063-001

STATE OF NEW YORK TIMOTHY KANE 31 LICENSED PROFESSIONAL ENGINEER No. 085095
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/15/2023	ADDENDUM #1 REVISION PER DEC COMMENTS	

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."

T.G. MILLER P.C. ENGINEERS | ARCHITECTS | SURVEYORS
ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY

SITE UTILITY PLAN

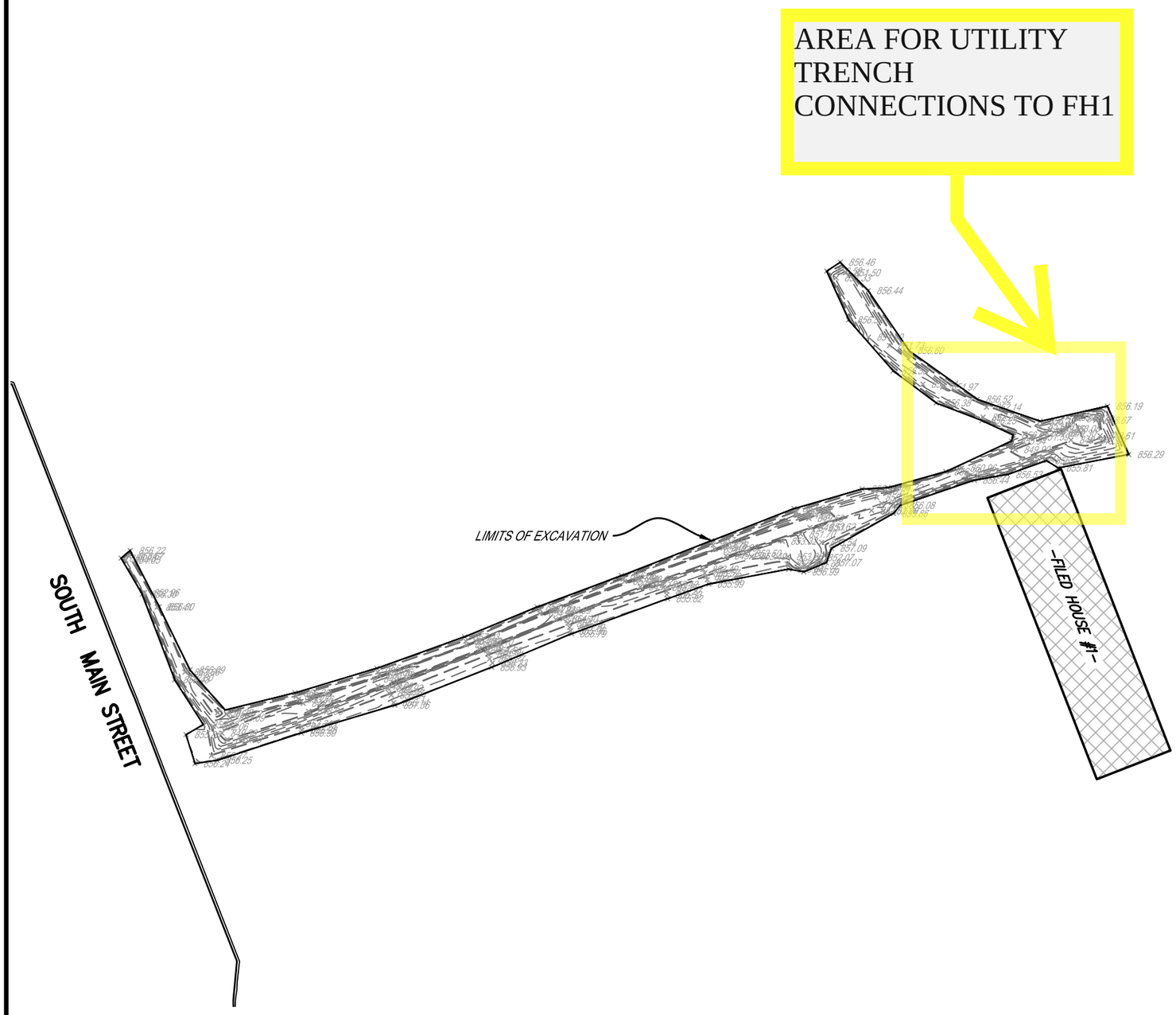
2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L5.1

PROJECT NO: 2012-238



LEGEND:

- CONCRETE MONUMENT
- EXISTING IRON PIN
- EXISTING IRON PIPE
- 5/8" REBAR WITH SURVEY CAP SET
- MANHOLE
- CATCH BASIN
- WATER OR GAS VALVE
- UTILITY POLE
- UTILITY POLE W/STREET LIGHT
- UTILITY POLE ANCHOR
- FIRE HYDRANT
- STREET SIGN
- BURIED CABLE MARKER
- SURVEY CONTROL POINT
- FENCE LINE
- CONTOUR LINE
- × 849.31 — NAVD88 GROUND ELEVATION IN FEET
- S001 — SAMPLE LOCATIONS

GRID NORTH — STATE PLANE, NYC

NOTES:

EXCAVATION DEPTHS SHOWN REFLECT FIELD LOCATIONS MADE 4–1 2022

SCALE: 1" = 40'

0 20 40 80 120

DATE 4-1-2022

HUNT
ENGINEERS • ARCHITECTS • SURVEYORS
AIRPORT CORPORATE PARK, 100 HUNT CENTER
HORSEHEADS, NEW YORK 14845
607•358•1000
FAX•358•1800

SEWER LINE EXCAVATION DEPTHS

MAIN STREET TO

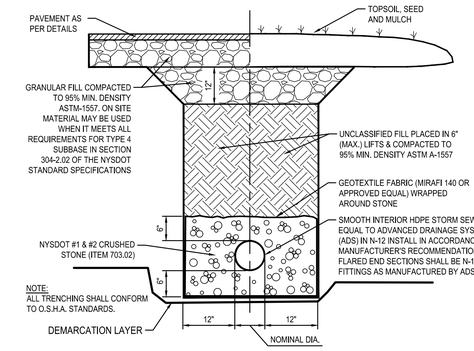
FIELD HOUSE # 1

ELMIRA HIGH SCHOOL

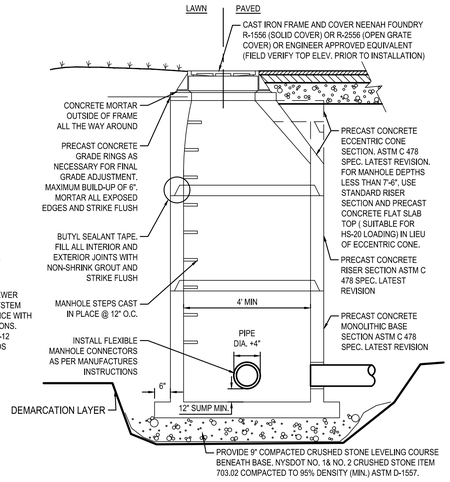
SCALE:	DWG.BY:	CHK.BY:	TAX PARCEL NO:	JOB NO:
1" = 40'	S.D.L.			2012–239

APPENDIX B

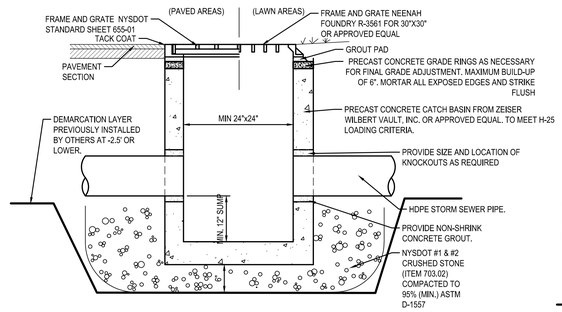
ISMP ACTIVITY DETAILS



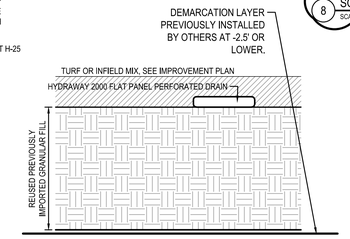
12 TYPICAL STORM DETAILS
SCALE: N.T.S.



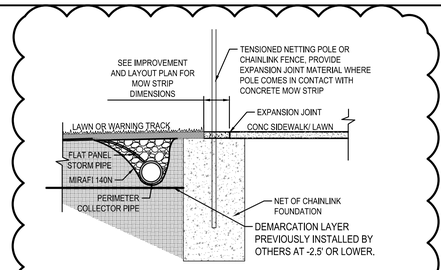
11 PRECAST CONCRETE STORM MANHOLE
SCALE: N.T.S.



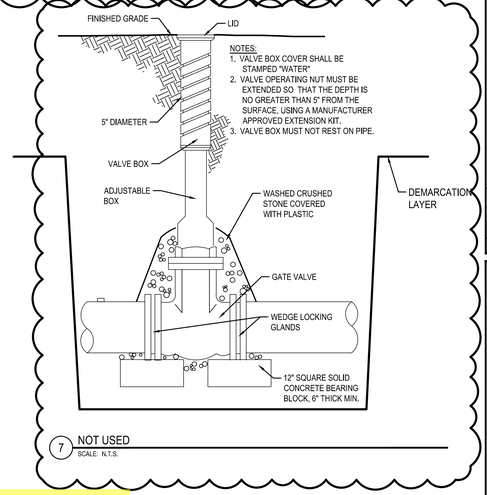
10 CATCH BASIN DETAIL
SCALE: N.T.S.



9 HYDRAWAY DRAINAGE SYSTEM AT INFIELD MIX DETAIL
SCALE: N.T.S.

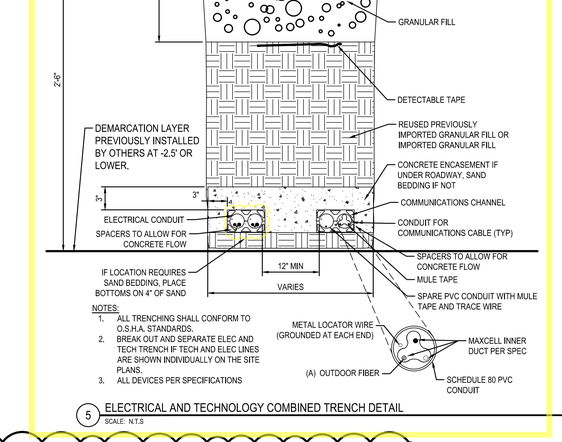


8 SOFTBALL AND BASEBALL COLLECTOR PIPE DETAIL
SCALE: N.T.S.

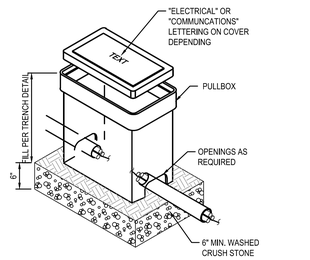


7 NOT USED
SCALE: N.T.S.

6 NOT USED
SCALE: N.T.S.



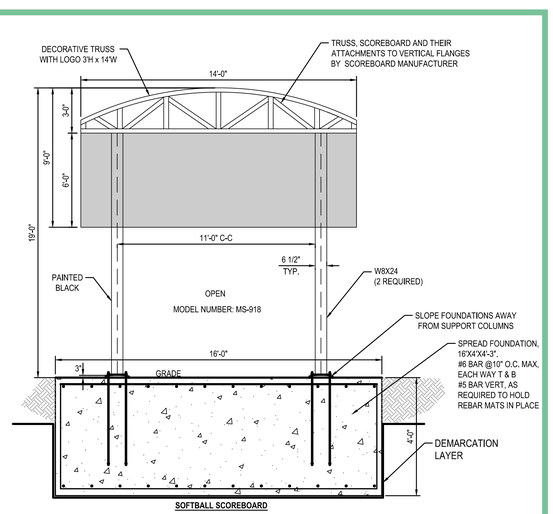
5 ELECTRICAL AND TECHNOLOGY COMBINED TRENCH DETAIL
SCALE: N.T.S





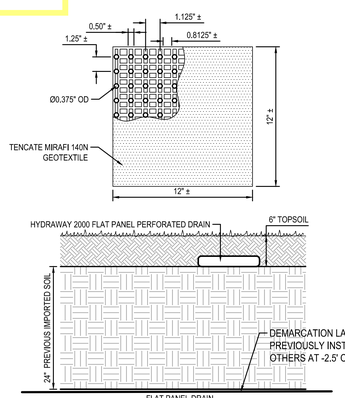
SEE MUSCO DETAILS NEXT 3 PAGES

4 SPORTS LIGHTING DETAIL
SCALE: N.T.S.



3 SOFTBALL SCOREBOARD DETAIL
SCALE: N.T.S.

2 NOT USED
SCALE: N.T.S.



1 HYDRAWAY DRAINAGE SYSTEM DETAIL
SCALE: N.T.S.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 388 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868

SITE DETAILS

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS
ELMIRA CITY SCHOOL DISTRICT
777 S MAIN ST, ELMIRA, NY 14904

L6.2

PROJECT NO: 2012-238

EHS 07-06-00-01-0-016-026: Fieldhouse #1; 07-06-00-01-0-044-003: Press Box @ Baseball; 07-06-00-01-7-083-001: Press Box @ Softball; 07-06-00-01-7-083-001

STATE OF NEW YORK TIMOTHY KANE 31101 LICENSED PROFESSIONAL ENGINEER
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

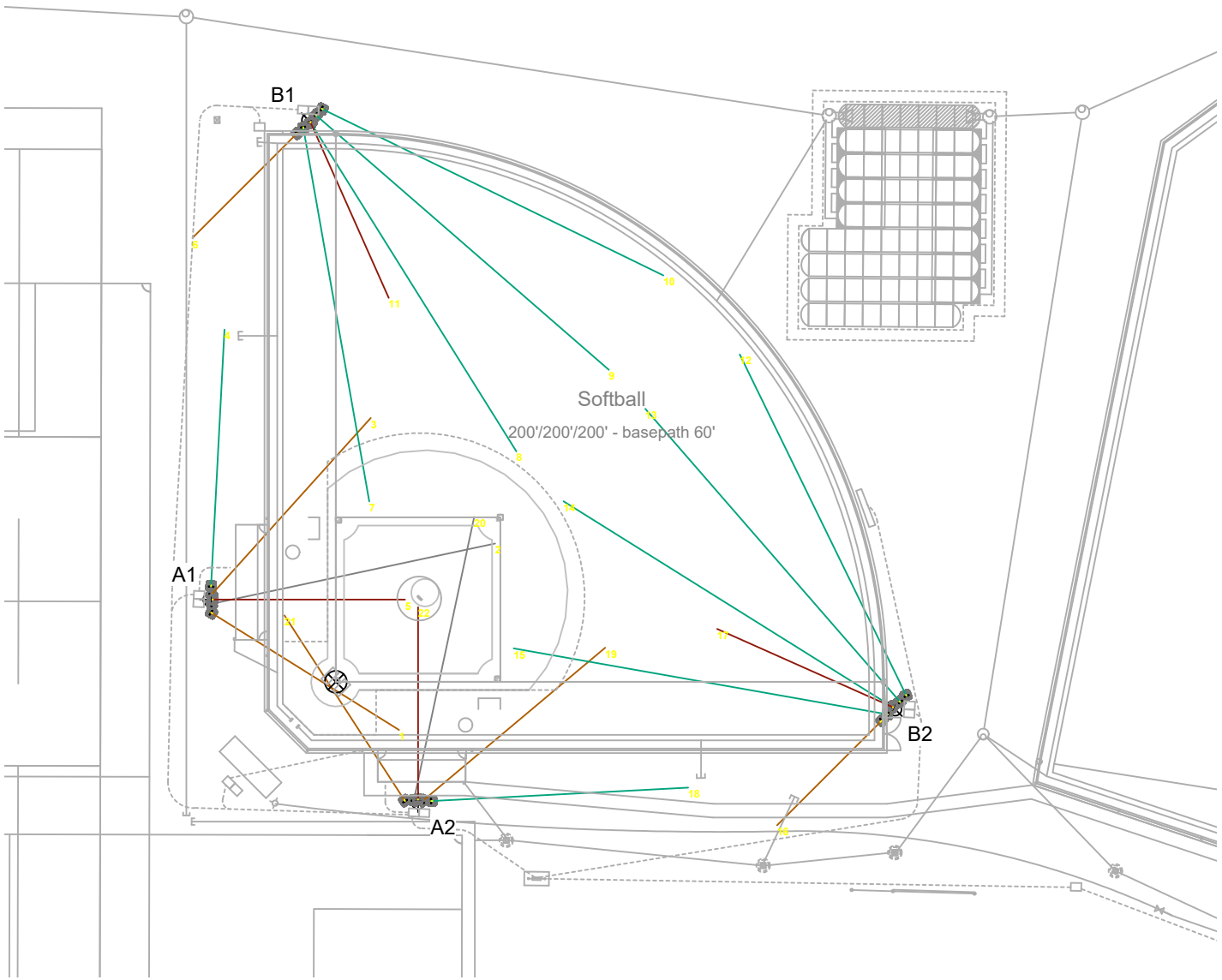
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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/16/2023	REVISION PER DEC COMMENTS	

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Elmira High School Softball

Elmira,NY



SCALE IN FEET 1 : 60

0' 60' 120'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

EQUIPMENT LAYOUT

INCLUDES:
· Softball

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE
2	A1-A2	60'	-	60'	TLC-LED-1200	1
				15.5'	TLC-BT-575	1
				60'	TLC-LED-900	3
2	B1-B2	70'	-	70'	TLC-LED-900	1
				15.5'	TLC-BT-575	1
				70'	TLC-LED-1200	4
4	TOTALS					22

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Driver (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5

ENGINEERED DESIGN By: Nathan Chizek · File #217960E · 06-Mar-23

We Make It Happen.

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POLE IDENTIFICATION AND RESULTANT FORCES

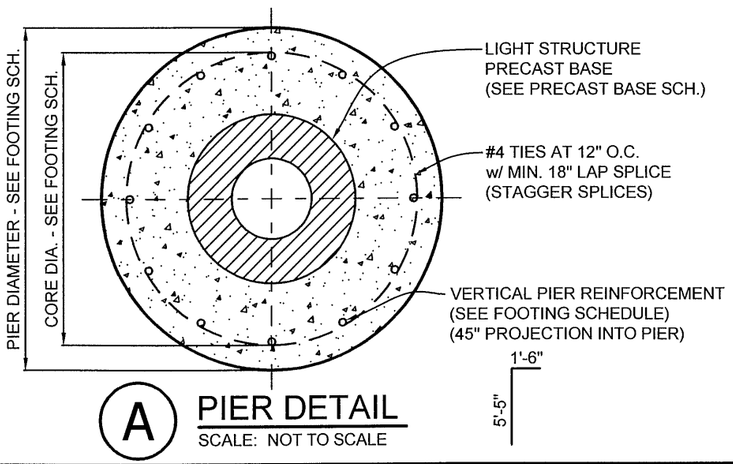
POLE DESIGNATION	POLE TYPE	PRECAST BASE TYPE	FIXTURE CONFIGURATION (FIX. PER XARM)	FIXTURE AND ACCESSORIES EPA (FT^2)	FORCES (1.)		
					MOMENT (M) FT-LBS	SHEAR (V) LBS	VERTICAL (P) LBS
A1	LSS60AA	2B	5 (4)	14.3	36,255	995	1,114
A2	LSS60A	2B	5 (4)	25.5	42,299	1,210	1,372
B1, B2	LSS70A	3B	6 (5)	15.6	51,152	1,225	1,545

1. ASD LOAD COMBINATION D + 0.6W.
   VERTICAL FORCE IS WEIGHT OF DRESSED POLE.
2. POLE A2 HAS (2) DAKTRONICS SS-200 SPEAKERS AT 30'-0" INCLUDED IN LOADING ABOVE.
3. POLE A2 HAS (1) CAMERA AT 16'-0" AGL & EACH POLE ALSO HAS (1) CAMERA AT 15'-0" AGL INCLUDED IN LOADING ABOVE.
4. EACH POLE HAS (1) MUSCO LED FIXTURE AT 15'-6" AGL INCLUDED ABOVE.
5. EACH POLE HAS (1) DATA ENCLOSURE AT 14'-0" AGL INCLUDED IN LOADING ABOVE.

PRECAST BASE ID FOR SPREAD FOOTING

PRECAST BASE TYPE	PRECAST BASE WEIGHT (1.)	PRECAST BASE LENGTH (1.)	PROJECTION ABOVE GRADE	STANDARD EMBEDMENT (1.)	OUTSIDE DIAMETER	CUT LENGTH OFF BOTTOM (2.)	EMBEDMENT INTO FOOTING & PIER (3.)
2B	1,690 LBS	17'-3"	7'-3"	10'-0"	12.00"	2'-0"	6'-0"
3B	2,470 LBS	20'-0"	8'-0"	12'-0"	13.38"	4'-0"	6'-0"

1. PRECAST BASE WEIGHT, LENGTH AND STANDARD EMBEDMENT ARE PRECUT PROPERTIES
2. EPOXY COAT NEW BOTTOM SURFACE OF PRECAST BASE AFTER CUTTING
3. EMBEDMENT EQUALS 2'-0" FOOTING THICKNESS PLUS 4'-0" PIER HEIGHT BELOW FOOTING



A PIER DETAIL
SCALE: NOT TO SCALE

CONCRETE/REINFORCEMENT NOTES

CONCRETE SHALL COMPLY WITH THE FOLLOWING ASTM STANDARDS: MIXTURE WITH ASTM C-94, PORTLAND CEMENT WITH ASTM C-150 TYPE I, AGGREGATES (MAX 0.75") WITH ASTM C-33 AND BE IN CONFORMANCE WITH ACI 318. CONCRETE SHALL BE AIR-ENTRAINED (COMPLY WITH ASTM C-260), HAVE A MAXIMUM WATER-CEMENT RATIO, w/cm = 0.45 AND HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,500 PSI.

DESIGN SLUMP LIMITS ARE 4" MINIMUM AND 6" MAXIMUM. THE JOB SITE SLUMP MAY BE INCREASED BY THE USE OF A WATER REDUCING AGENT MEETING ASTM C494-92.

CONCRETE REINFORCEMENT SHALL COMPLY WITH ASTM A615 GRADE 60 AND BE IN CONFORMANCE WITH ACI 315 & 318.

CONCRETE MUST ATTAIN DESIGN STRENGTH PRIOR TO POLE INSTALLATION AND FIXTURE MOUNTING.

DESIGN NOTES

DESIGN PARAMETERS:
WIND: V = 115 MPH, V_{asd} = 89 MPH (EXPOSURE C, RISK CATEGORY II) PER 2020 BUILDING CODE OF NEW YORK STATE (ASCE 7-16).
DESIGN WIND PARAMETERS ARE AS NOTED, ACTUAL EXPOSURE MUST BE VERIFIED FOR THE SITE BY THE PROPER GOVERNING OFFICIAL.

GEOTECHNICAL PARAMETERS:
ALLOWABLE END BEARING SOIL PRESSURE: 1,500 PSF
IN ACCORDANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, CHAPTER 18.

SUBGRADE IMMEDIATELY BELOW FOOTING TO BE MIN. 12" COMPACTED CRUSHED STONE, WHETHER IN-PLACE FROM SITE REMEDIATION OR NEWLY PLACED IF DEPTH FROM SITE REMEDIATION IS INSUFFICIENT.

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE. REFERENCE NEARBY HISTORICAL GEOTECHNICAL FILES:
-PROJECT NO. CE-17-011 BY EMPIRE GEO-SERVICES, INC. (6/2/2017)
-PROJECT NO. J5205098 BY TERRACON CONSULTANTS-NY, INC. (7/20/2020)

A GEOTECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT.

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

GENERAL NOTES:
FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.



IT IS VIOLATION OF ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER AN ITEM IN ANY WAY.

ELMIRA HIGH SCHOOL
SOFTBALL
FIELD LIGHTING
ELMIRA, NY

musco Lighting
CORPORATE: 100 1st AVE WEST
OSKALOOSA, IA 52577
(800) 825-6020

STRUCTURAL ENGINEERS, P.C.
114 NICHOLAS DRIVE
MARSHALLTOWN, IOWA 50158
PHONE NUMBER: 641-752-6334
EMAIL: MSL.INFO@SEPC.BIZ

DRAWING TITLE: POLE AND FOUNDATION
SCALE: SEE PLAN
NOTES: SCAN #217960E

PROJECT NUMBER
217960

DATE
11 MAY 2023

DRAWING NUMBER
C1

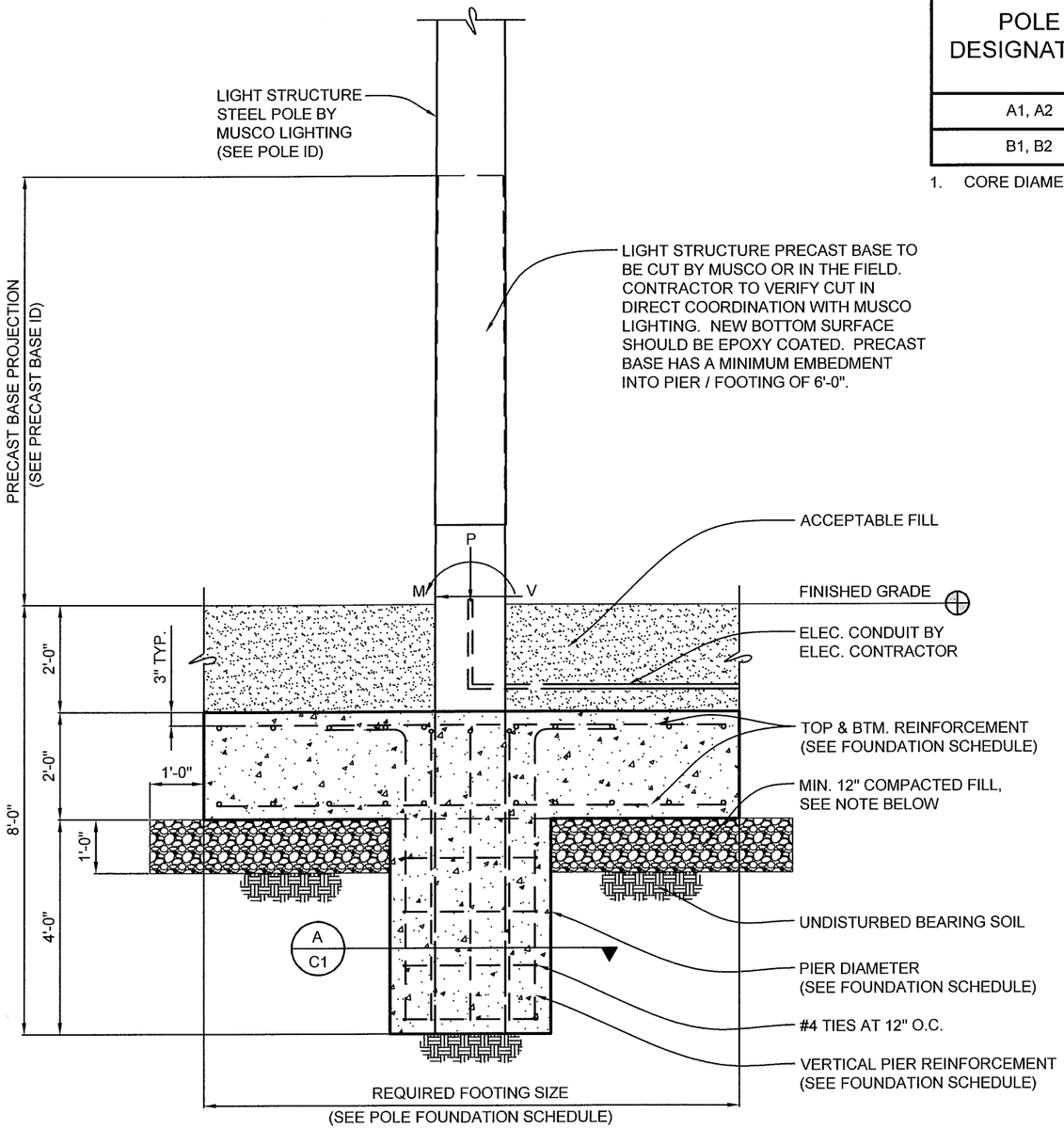
OF TWO

USE OR REPRODUCTION OF THIS INFORMATION OTHER THAN ITS INTENDED PURPOSE FOR THIS PROJECT IS PROHIBITED WITHOUT WRITTEN CONSENT FROM MUSCO SPORTS LIGHTING, LLC.

POLE FOUNDATION SCHEDULE

POLE DESIGNATION	FOOTING			PIER			
	SIZE	THICKNESS	REINFORCEMENT TOP & BOTTOM (TOTAL) QUANTITY - SIZE	DIAMETER INCHES	CORE DIA. INCHES (1.)	VERTICAL REINFORCING	HORIZONTAL TIES
A1, A2	8'-0" x 8'-0"	2'-0"	(32) 8 - #7's EACH WAY	36	29	12 - #7	#4 @ 12"
B1, B2	9'-0" x 9'-0"	2'-0"	(32) 8 - #7's EACH WAY	36	29	12 - #7	#4 @ 12"

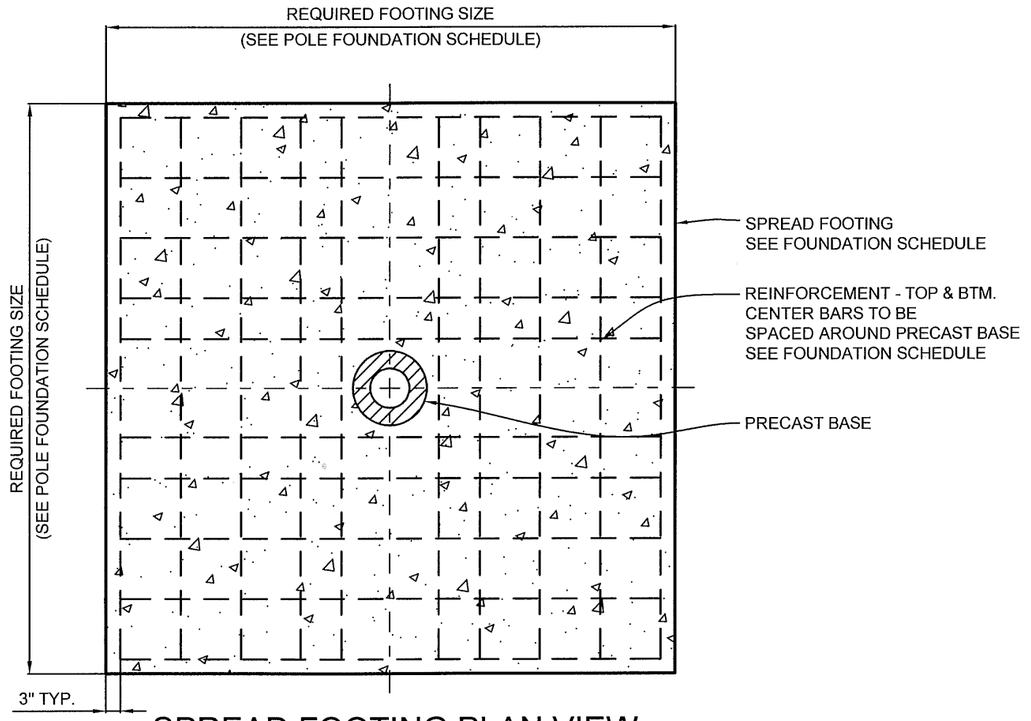
1. CORE DIAMETER EQUAL TO INSIDE DIAMETER OF TIES.



POLE FOUNDATION ELEVATION

SCALE: NOT TO SCALE

NOTE:
SUBGRADE IMMEDIATELY BELOW FOOTING TO BE MIN. 12" COMPACTED CRUSHED STONE, WHETHER IN-PLACE FROM SITE REMEDIATION OR NEWLY PLACED IF DEPTH FROM SITE REMEDIATION IS INSUFFICIENT.



SPREAD FOOTING PLAN VIEW

SCALE: NOT TO SCALE

STATE OF NEW YORK
KYLE G. LACINA
082745
LICENSED PROFESSIONAL ENGINEER
5-11-2023

IT IS VIOLATION OF ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER AN ITEM IN ANY WAY.

ELMIRA HIGH SCHOOL SOFTBALL
FIELD LIGHTING
ELMIRA, NY

musco Lighting
CORPORATE: 100 1st AVE WEST
OSKALOOSA, IA 52577
(800) 825-6020

STRUCTURAL ENGINEERS, P.C.
114 NICHOLAS DRIVE
MARSHALLTOWN, IOWA 50158
PHONE NUMBER: 641-752-6334
EMAIL: MSL.INFO@SEPC.BIZ

DRAWING TITLE: POLE AND FOUNDATION
SCALE: SEE PLAN
NOTES: SCAN #217960E

PROJECT NUMBER
217960

DATE
11 MAY 2023

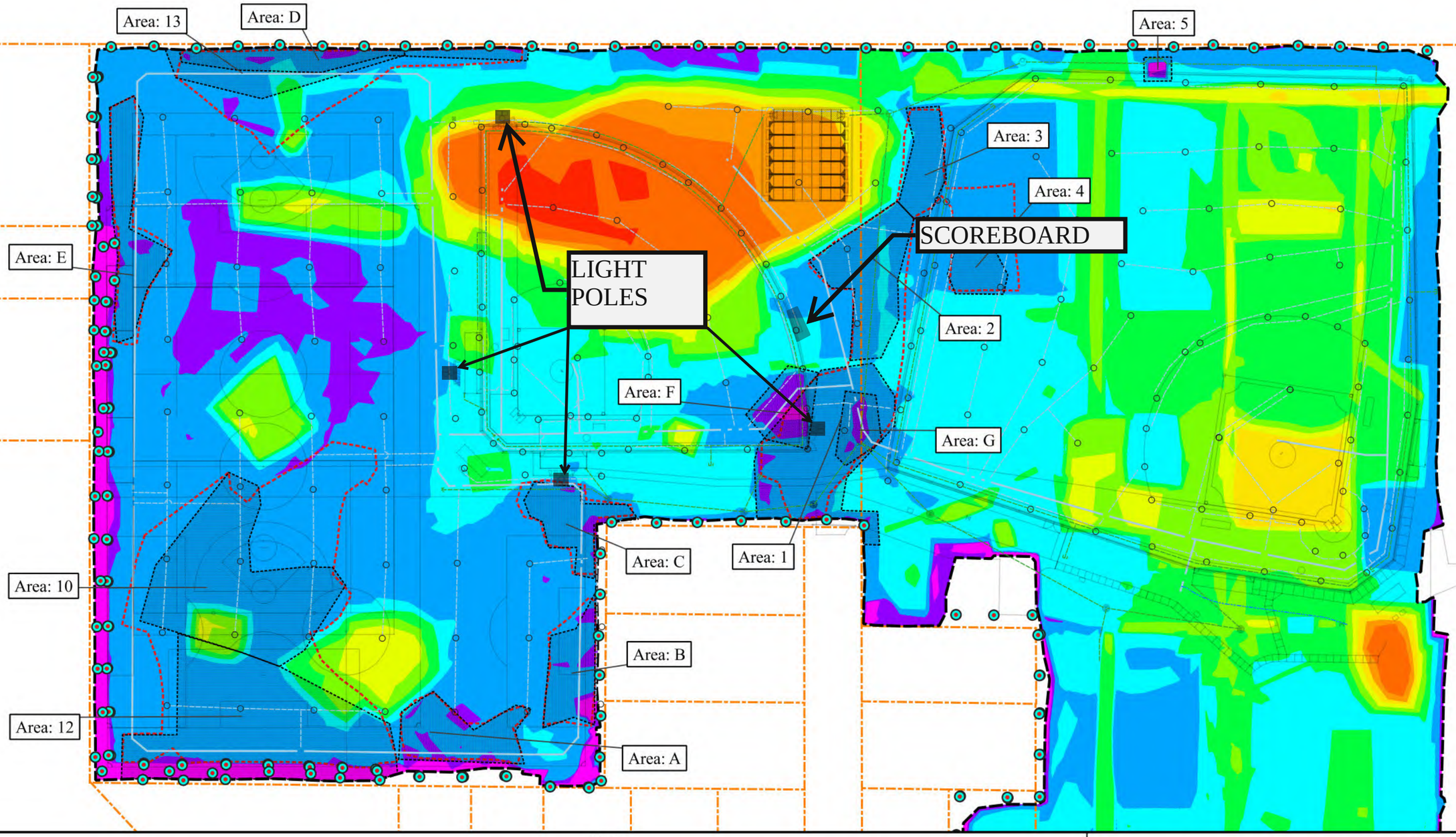
DRAWING NUMBER
C2

OF TWO

USE OR REPRODUCTION OF THIS INFORMATION OTHER THAN ITS INTENDED PURPOSE FOR THIS PROJECT IS PROHIBITED WITHOUT WRITTEN CONSENT FROM MUSCO SPORTS LIGHTING, LLC.

APPENDIX C

SUMMARY OF ENVIRONMENTAL CONDITIONS



Legend

- 2023-05-05 IRM-5A2 Limit of Excavation
- 2023-04-13 HUNT Base Features
- 2023-04-13 HUNT Storm Water Line
- 2023-04-13 HUNT Water Line (Shortened)
- Metes & Bounds Property Line
- Soil Cover Verification Location
- 2023-05-23 Irrigation Head
- 2023-05-23 Irrigation Lateral
- 2023-05-23 Irrigation Main
- 2023-05-05 Field Verified Scraping Area
- Addendum 8 Phase 1 Scrapping Area
- Addendum 8 Phase 2 Scrapping Area

Cover Thickness (ft)

0 - 2
2 - 2.5
2.5 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
18 - 20

Notes:

1) Estimated cover thickness estimated from final grade surface as shown in Attachment 2 - NAF Improvement Plans, Drawings L4.1/L4.2 - Site Grading Plan and provided in HUNT DWG "SITE-NEW-3D.dwg" dated 04-13-23 and subgrade surface provided in RECON DWG "IRM5A2-SG_5-5-2023" dated 05-05-23.
2) Base, Storm Water and Water Line features from HUNT DWG "SITE-NEW-2D BASEBID.dwg" dated 04-13-23.
3) Irrigation details from Marathon Engineering DWG "0980 EHS Irrigation.dwg" dated 05-23-23.
4) ft and ' = feet, SF = Square Feet, CY = Cubic Yards.
5)Addendum 8 field verified scrapping areas from RECON DWG "IRM5A2-SG_5-5-2023" dated 05-05-23

N E S W

0 35 70 ft

Comparison of As-Built Subgrade Elevations to Proposed NAF Final Grades (04/13/23)

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | June 6, 2022

Figure 1

IRM #5 Soil Cover and Demarcation Encountered

Request to Backfill ISMP Sanitary Line Step Out

IRM #5 Soil Cover and Demarcation Encountered

IRM #1 Soil Cover Encountered

ISMP-SLT-S32BOT Elev. 853.88
ISMP-SLT-S32A Elev. 855.2
ISMP-SLT-S34BOT Elev. 853.95
ISMP-SLT-S36BOT Elev. 854.08
ISMP-SLT-S40BOT Elev. 853.67
ISMP-SLT-S38BOT Elev. 853.93
ISMP-SLT-S32 Elev. 854.36
ISMP-SLT-S34 Elev. 854.14
ISMP-SLT-S36 Elev. 853.56
ISMP-SLT-S38 Elev. 853.54
ISMP-SLT-S40 Elev. 853.02
ISMP-SLT-S42 Elev. 852.02
ISMP-SLT-S26 Elev. 854.35
ISMP-SLT-S20 Elev. 854.92
ISMP-SLT-S13 Elev. 854.07
ISMP-SLT-S7 Elev. 854.7
ISMP-SLT-S29 Elev. 854.65
ISMP-SLT-S23 Elev. 854.67
ISMP-SLT-S10 Elev. 854.87
ISMP-SLT-S16 Elev. 854.71
ISMP-SLT-S95 Elev. 853.75
ISMP-SLT-S93-S1 Elev. 854.29
ISMP-SLT-S90 Elev. 853.41
ISMP-SLT-S82 Elev. 855.05
ISMP-SLT-S81 Elev. 855.02
ISMP-SLT-S76 Elev. 855.09

PCBs Concentrations

- <1 mg/kg
- 1-10 mg/kg
- 10-50 mg/kg
- >= 50 mg/kg

As-Built Sub-Grade Elevation Contours
Limits Of Excavation
Field House

As-Built Sub-Grade Elevation Contours
IRM 5 As-Built Subgrade
IRM 1 Excavation

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - PCBs (0-2 ft bgs)

SLT and Waterline
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Minneapolis, MN | April 2022

Figure 1A

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ISMP-SLT-S32BOT
Elev. 853.88

ISMP-SLT-S32A
Elev.
855.2

ISMP-SLT-S34BOT
Elev. 853.95

ISMP-SLT-S34
Elev. 854.14

ISMP-SLT-S32
Elev. 854.35

ISMP-SLT-S26
Elev. 854.35

ISMP-SLT-S29
Elev.
854.85

ISMP-SLT-S95
Elev.
855.75

ISMP-SLT-S90
Elev.
855.41

ISMP-SLT-S93-S1
Elev.
854.29

ISMP-SLT-S89
Elev. 855.05

ISMP-SLT-S84
Elev.
855.01

ISMP-SLT-S81
Elev.
855.02

ISMP-SLT-S76
Elev. 853.9

ISMP-SLT-S20
Elev.
854.92

ISMP-SLT-S23
Elev.
854.67

ISMP-SLT-S36BOT
Elev.
854.08

ISMP-SLT-S36
Elev. 853.56

ISMP-SLT-S13
Elev. 854.07

ISMP-SLT-S16
Elev.
854.71

ISMP-SLT-S38BOT
Elev.
853.93

ISMP-SLT-S38
Elev. 853.54

ISMP-SLT-S7
Elev. 854.7

ISMP-SLT-S10
Elev.
854.87

ISMP-SLT-S40BOT
Elev.
853.67

ISMP-SLT-S40
Elev. 853.02

ISMP-SLT-S42
Elev.
852.02

Metals Exceedances

- Does Not Exceed Subsurface Action Level
- Exceeds Subsurface Action Level
- Does Not Exceed RR SCO
- Exceeds RR SCO

- As-Built Sub-Grade Elevation Contours
- Limits Of Excavation
- Field House
- IRM 5 As-Built Subgrade
- IRM 1 Excavation

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives

N

0 30 Feet

Confirmation Samples - Metals (0-2 ft bgs)

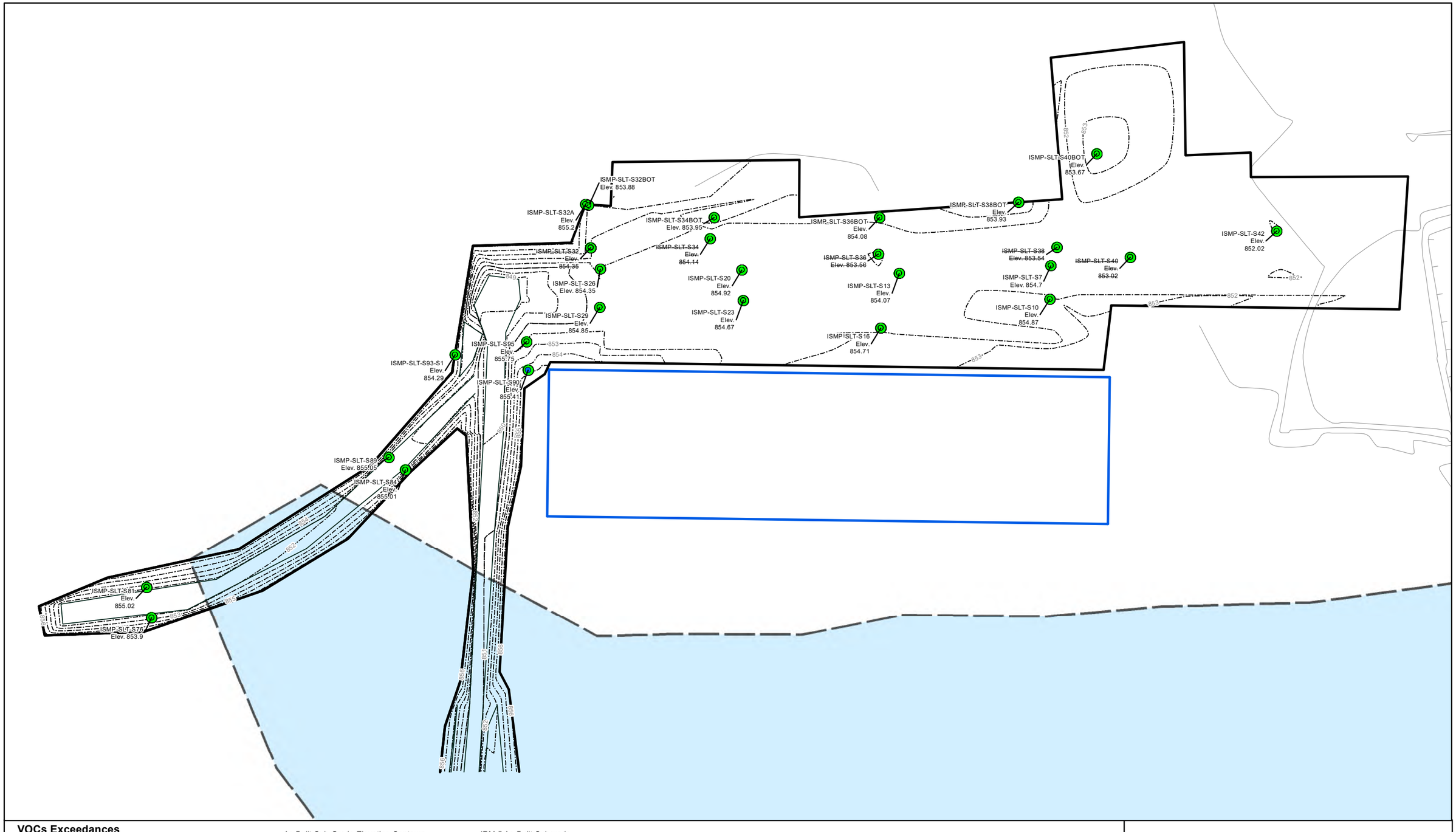
SLT and Waterline
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Minneapolis, MN | April 2022

Figure 1B

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VOCs Exceedances

- Does Not Exceed PoG SCO for PCE or TCE
- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed RR SCO
- Exceeds RR SCO

- As-Built Sub-Grade Elevation Contours
- Limits Of Excavation
- Field House
- IRM 5 As-Built Subgrade
- IRM 1 Excavation

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs - Volatile organic compounds
RR SCO - Restricted Residential Soil Cleanup Objectives
PoG SCO - Protection of Groundwater Soil Cleanup Objectives

N

0 30 Feet

Confirmation Samples - VOCs (0-2 ft bgs)

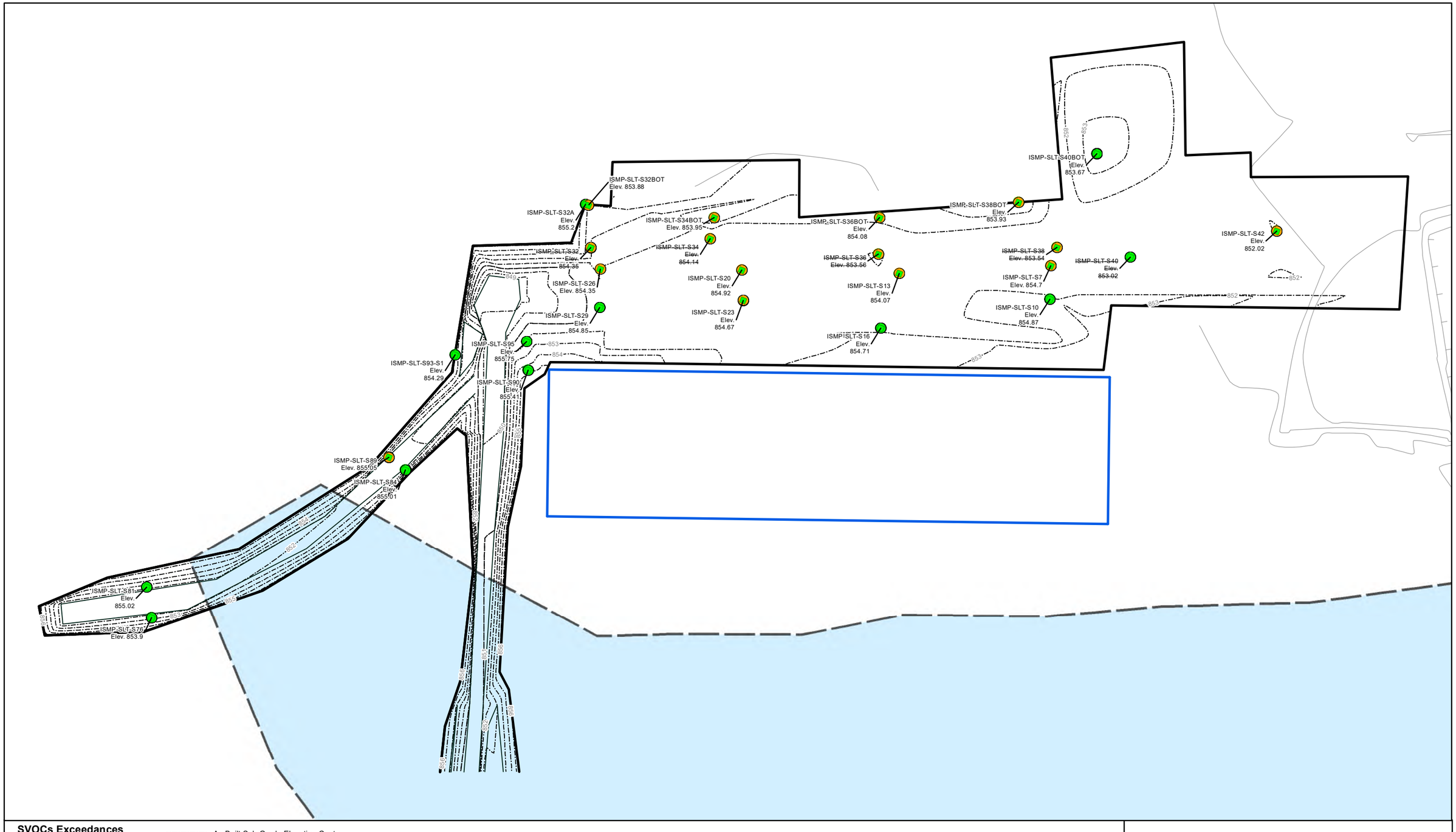
SLT and Waterline
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 1C

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SVOCs Exceedances

- Does Not Exceed RR SCO
- Exceeds RR SCO
- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg

- As-Built Sub-Grade Elevation Contours
- Limits Of Excavation
- Field House
- IRM 5 As-Built Subgrade
- IRM 1 Excavation

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives

N

0 30 Feet

Confirmation Samples - SVOCs (0-2 ft bgs)

SLT and Waterline
Former Sperry Remington - North Portion #808022
Elmira, New York

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Figure 1D

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Request to Backfill ISMP Sanitary Line Step Out

1.ISMP-SLTS34BTS3 Elev. 8
2.ISMP-SLT-BOT8 Elev. 852.
3.ISMP-SLT-S35 Elev. 853.18
4.ISMP-SLT-S41 Elev. 851.72
5.ISMP-SLT-S39 Elev. 852.05
6.ISMP-SLT-S8 Elev. 852.91
7.ISMP-SLT-S46 Elev. 852.32
8.ISMP-SLT-S37 Elev. 851.94

ISMP-SLTS34BTS2 Elev. 853.15
ISMP-SLTS34BTS1 Elev. 852.23
ISMP-SLT-S34BT2 Elev. 851.75
ISMP-SLT-S34BT1 Elev. 851.65
ISMP-SLT-S33 Elev. 852.69
ISMP-SLT-BOT9 Elev. 852.54
ISMP-SLT-BOT10 Elev. 852.1
ISMP-SLT-BOT11 Elev. 851.45
ISMP-SLT-BOT12 Elev. 851.26
ISMP-SLT-BOT13 Elev. 851.62
ISMP-SLT-S27 Elev. 853.11
ISMP-SLT-S21 Elev. 853.12
ISMP-SLT-S14 Elev. 852.82
ISMP-PIPE1 Elev. 852.85
ISMP-SLT-S3 Elev. 852.92
ISMP-SLT-S43 Elev. 852.08
ISMP-SLT-S30 Elev. 853.53
~~ISMP-SLT-S24 Elev. 852.9~~
ISMP-SLT-S11 Elev. 852.72
ISMP-SLT-S5 Elev. 853.32
ISMP-SLT-S17 Elev. 853.62
ISMP-SLT-S48 Elev. 852.72
ISMP-SLT-S84 Elev. 853.84
ISMP-SLT-S83-S2 Elev. 852.9
ISMP-SLT-S54 Elev. 852.86
ISMP-SLT-S52 Elev. 852.71
ISMP-SLT-S50 Elev. 853.24
ISMP-SLT-S91 Elev. 853.91
ISMP-SLT-S44 Elev. 852.38
ISMP-SLT-S88 Elev. 853.66
ISMP-SLT-S85 Elev. 853.3
ISMP-SLT-S80 Elev. 853.51
ISMP-SLT-S77 Elev. 852.71

Data Gap: Samples were collected in the 2-4'. interval on 4/18. Results pending.

PCBs Concentrations

- <1 mg/kg
- 1-10 mg/kg
- 10-50 mg/kg
- >= 50 mg/kg

- As-Built Sub-Grade Elevation Contours
- Limits Of Excavation
- Field House
- IRM 5 As-Built Subgrade

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives
TSCA - Total PCBs >= 50mg/kg (40 CFR §761.3 Toxic Substances Control Act)

N

0 30 Feet

Confirmation Samples - PCBs (2-4 ft bgs)

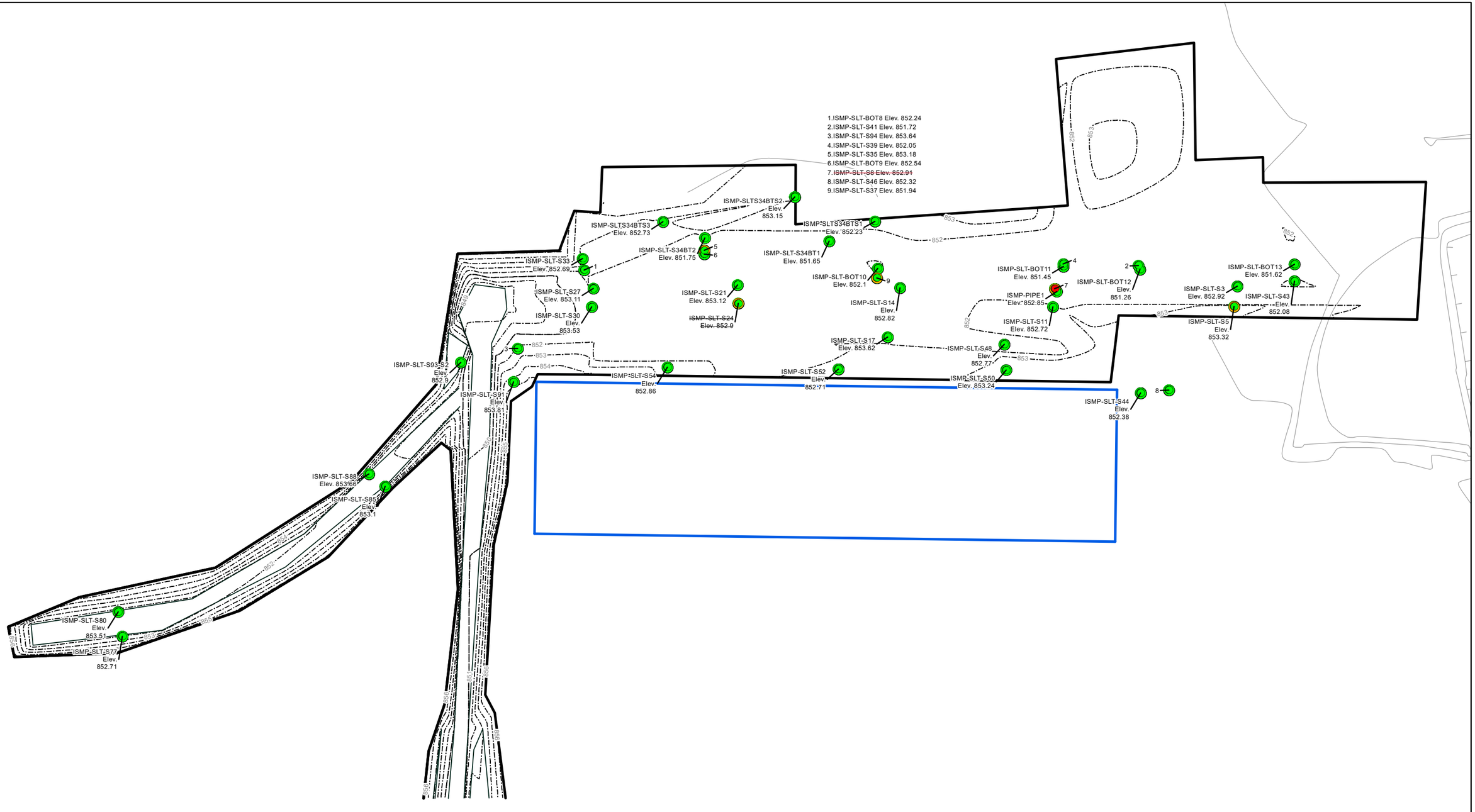
SLT and Waterline
Former Sperry Remington - North Portion #808022
Elmira, New York

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Minneapolis, MN | April 2022

Figure 2A

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Metals Exceedances

- Does Not Exceed Subsurface Action Level
- Exceeds Subsurface Action Level
- Does Not Exceed RR SCO
- Exceeds RR SCO

- As-Built Sub-Grade Elevation Contours
- Limits Of Excavation
- Field House
- IRM 5 As-Built Subgrade

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives

N

0 30 Feet

Confirmation Samples - Metals (2-4 ft bgs)

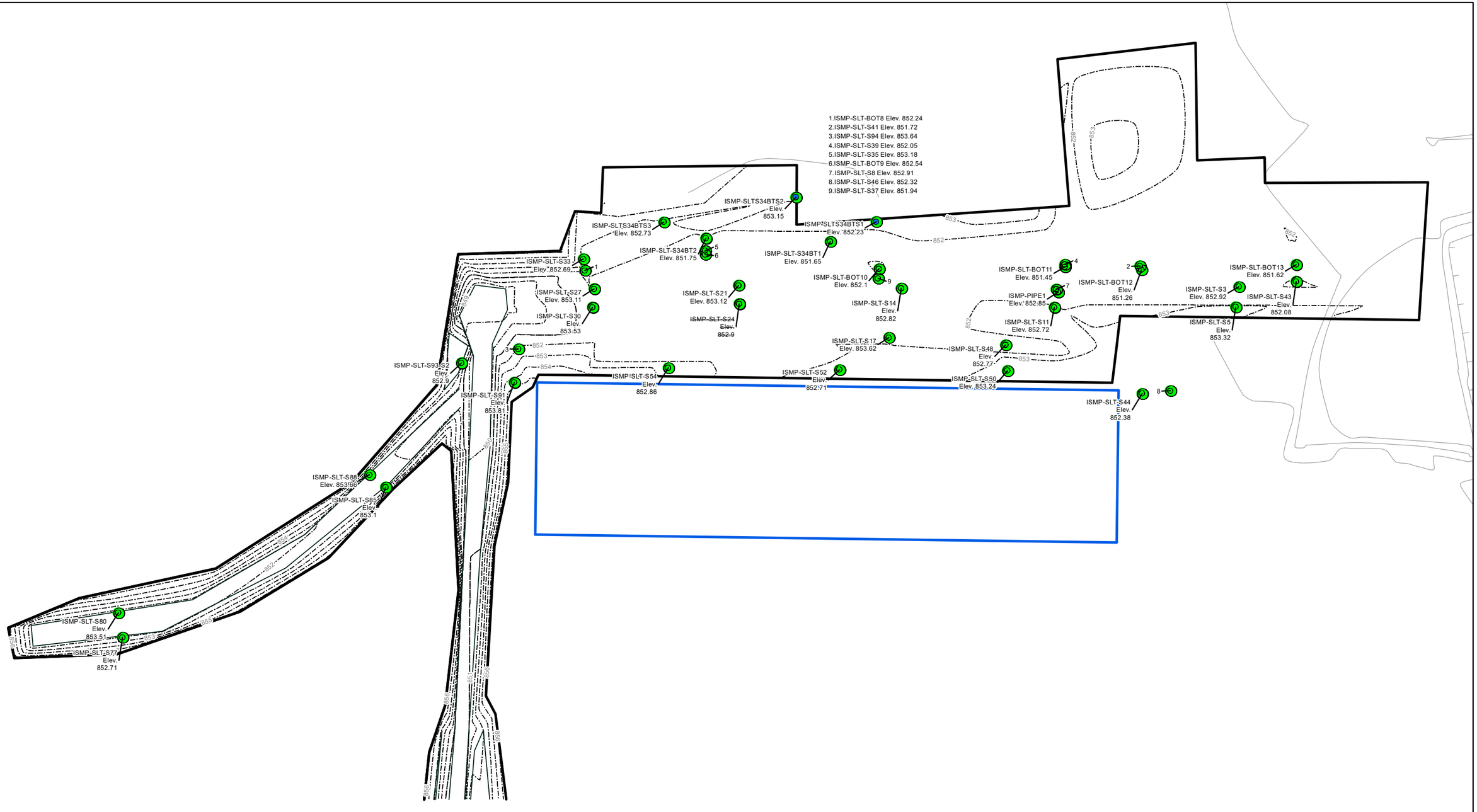
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Elmira, New York

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Figure 2B

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VOCs Exceedances

- Does Not Exceed PoG SCO for PCE or TCE
- Exceeds PoG SCO for PCE and/or TCE
- Does Not Exceed RR SCO
- Exceeds RR SCO

- As-Built Sub-Grade Elevation Contours
- Limits Of Excavation
- Field House
- IRM 5 As-Built Subgrade

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs - Volatile organic compounds
RR SCO - Restricted Residential Soil Cleanup Objectives
PoG SCO - Protection of Groundwater Soil Cleanup Objectives

N

0 30 Feet

Confirmation Samples - VOCs (2-4 ft bgs)

SLT and Waterline
Former Sperry Remington - North Portion #808022
Elmira, New York

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Minneapolis, MN | April 2022

Figure 2C

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1.ISMP-SLT-BOT8 Elev. 852.24
2.ISMP-SLT-S41 Elev. 851.72
3.ISMP-SLT-S94 Elev. 853.64
4.ISMP-SLT-S39 Elev. 852.05
5.ISMP-SLT-S35 Elev. 853.18
6.ISMP-SLT-BOT9 Elev. 852.54
7.ISMP-SLT-S8 Elev. 852.91
8.ISMP-SLT-S46 Elev. 852.32
9.ISMP-SLT-S37 Elev. 851.94

ISMP-SLTS34BTS2 Elev. 853.15
ISMP-SLTS34BTS3 Elev. 852.73
ISMP-SLTS34BTS1 Elev. 852.23
ISMP-SLT-S34BT2 Elev. 851.75
ISMP-SLT-S34BT1 Elev. 851.65
ISMP-SLT-S33 Elev. 852.69
ISMP-SLT-S27 Elev. 853.11
ISMP-SLT-S30 Elev. 853.53
ISMP-SLT-S21 Elev. 853.12
~~ISMP-SLT-S24 Elev. 852.9~~
ISMP-SLT-BOT10 Elev. 852.1
ISMP-SLT-S14 Elev. 852.82
ISMP-SLT-BOT11 Elev. 851.45
ISMP-PIPE1 Elev. 852.85
ISMP-SLT-S11 Elev. 852.72
ISMP-SLT-BOT12 Elev. 851.26
ISMP-SLT-S3 Elev. 852.92
ISMP-SLT-S5 Elev. 853.32
ISMP-SLT-BOT13 Elev. 851.62
ISMP-SLT-S43 Elev. 852.08
ISMP-SLT-S17 Elev. 853.62
ISMP-SLT-S48 Elev. 852.77
ISMP-SLT-S50 Elev. 853.24
ISMP-SLT-S52 Elev. 852.71
ISMP-SLT-S54 Elev. 852.86
ISMP-SLT-S93-S2 Elev. 852.9
ISMP-SLT-S91 Elev. 853.81
ISMP-SLT-S44 Elev. 852.38
ISMP-SLT-S88 Elev. 853.66
ISMP-SLT-S85 Elev. 853.1
ISMP-SLT-S80 Elev. 853.51
ISMP-SLT-S77 Elev. 852.71

Sanitary Line Trench
Approved for Backfill
29 December 2021

SVOCs Exceedances

- Does Not Exceed RR SCO
- Exceeds RR SCO
- Total PAHs =>100 mg/kg
- Total PAHs <100 mg/kg

- As-Built Sub-Grade Elevation Contours
- Limits Of Excavation
- Field House
- IRM 5 As-Built Subgrade

Notes
ft bgs - Feet below ground surface
PCBs - Polychlorinated biphenyls
SVOCs - Semivolatile organic compounds
VOCs: Volatile organic compounds
SCO - Soil Cleanup Objectives
RR SCO - Restricted Residential Soil Cleanup Objectives

N

0 30 Feet

Confirmation Samples - SVOCs (2-4 ft bgs)

SLT and Waterline
Former Sperry Remington - North Portion #808022
Elmira, New York

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Minneapolis, MN | April 2022

Figure 2D

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APPENDIX D

HAUL ROUTE & CAMP LOCATIONS

HAUL ROUTE FOR UNCHARACTERIZED SOIL

HAUL ROUTE FOR PRE-CHARACTERIZED SOIL

GENERAL NOTES

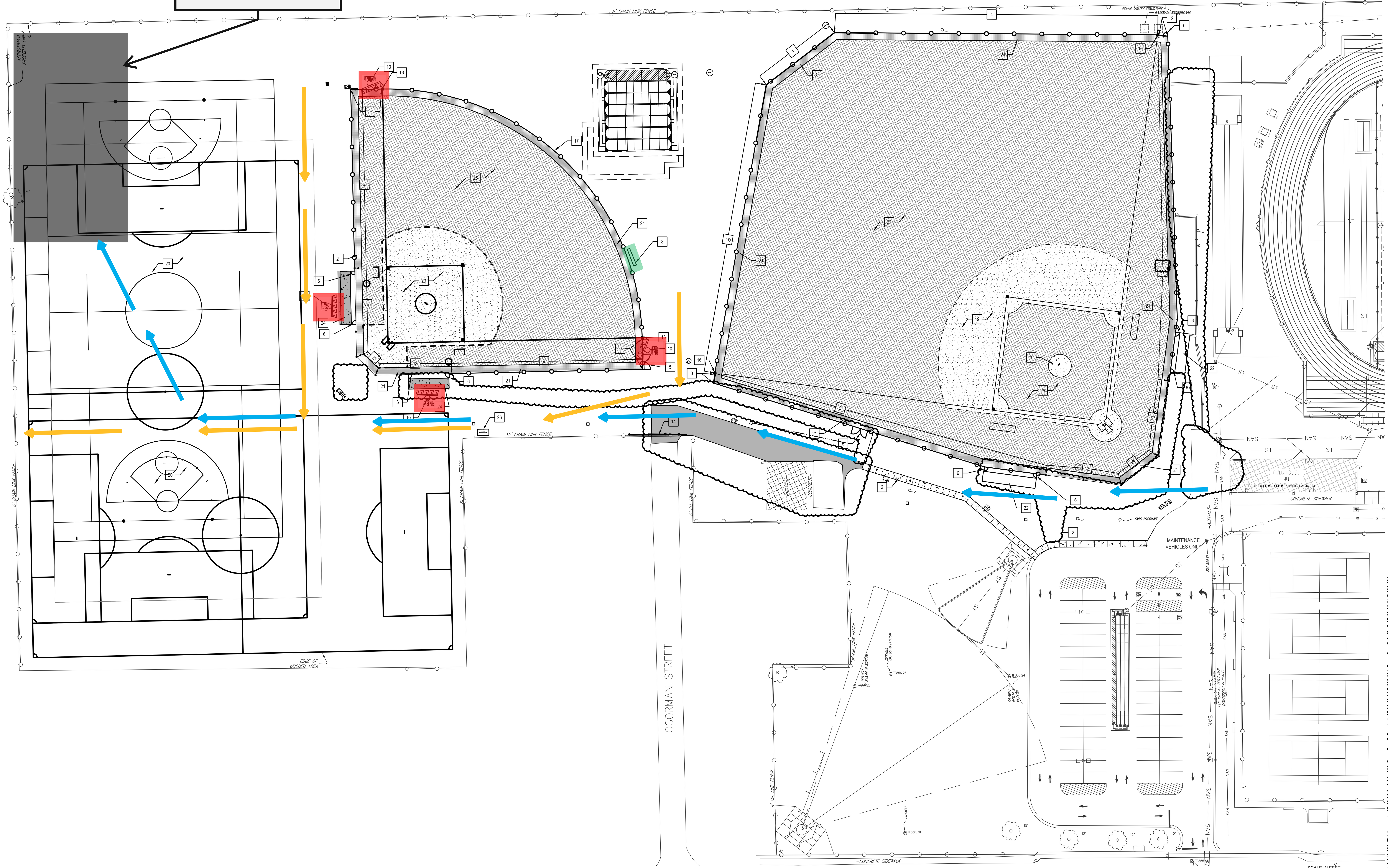
A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING. SEE SCHEDULE.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

\# SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. (ALTERNATE 6) PROVIDE 8' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION. SEE DETAIL 3 & 4/ L6.3. SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE, SEE DETAIL 7/L6.3
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 3/L6.2.
9. (ALTERNATE 4) PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK). SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 4/L6.2.
11. NOT USED
12. NOT USED
13. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO, SEE DETAILS 4&8/L6.3.
14. PROVIDE A 45' LONG, 8' TALL VINYL COATED CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4. 8' TALL VINYL COATED.
15. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
16. PROVIDE 20' TALL FOUL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL, SEE DETAIL 10/L6.3.
17. (ALTERNATE 5) PROVIDE 6' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION, SEE DETAIL 3 & 4/ L6.3. SEE LAYOUT PLAN.
18. DURAEDGE CLAY INFIELD MIX, SEE DETAIL 5/L6.4.
19. (ALTERNATE 7) BASEBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 5&6/L6.4. MOUND MASTER CLAY BLOCK BY OWNER.
20. (BY DISTRICT) SITE TO BE REESTABLISHED WITH TOPSOIL, SEED/SOD, SEE DETAIL 9/L6.3.
21. (ALTERNATE 3) BASEBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3. (ALTERNATE 2) SOFTBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
22. BASEBALL DUGOUT FOUNDATIONS BY OTHERS.
23. (ALTERNATE 11) PROVIDE SOFTBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 4,5&6/L6.4.
24. (ALTERNATE 9) SOFTBALL DUGOUT FOUNDATIONS, SEE STRUCTURAL.
25. (ALTERNATE 12) PROVIDE SOD AT BASEBALL AND SOFTBALL FIELDS.
26. 5" THICK CONCRETE SLAB FOR ELECTRICAL PANELS. COORDINATE SIZE WITH ELECTRICAL CONTRACTOR, SEE DETAIL 2/L6.3.

TEMPORATY ONSITE STAGING AREA FOR LINED ROLL-OFFS PENDING CHARACTERIZATION



1 SITE IMPROVEMENT PLAN
SCALE: 1" = 30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

EHS: 07-06-00-01-0-016-026; Fieldhouse #1: 07-06-00-01-2-044-003; Press Box @ Baseball: 07-06-00-01-7-082-001; Press Box @ Softball: 07-06-00-01-7-083-001

STATE OF NEW YORK — TIMOTHY KANE STEED — No. 080669 — LICENSED PROFESSIONAL ENGINEER — EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

Copyright: 2022

#	DATE:	DESCRIPTION OF REVISION:	BY:
	2/3/2023	ISSUE FOR BID	
1	2/16/2023	ADDENDUM 1	
2	3/25/23	REVISION PER DEC COMMENTS	

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868

SITE IMPROVEMENT PLAN

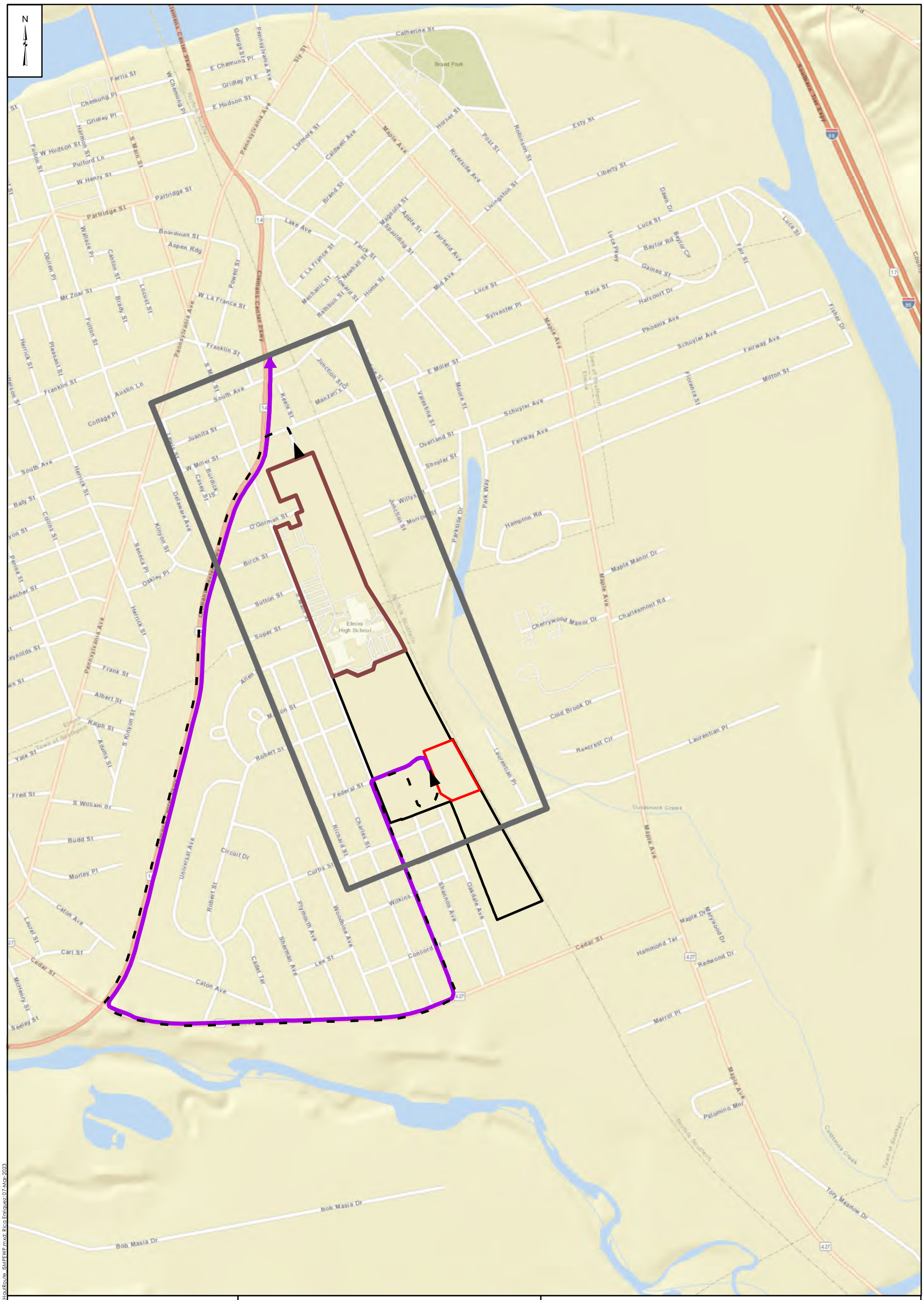
2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L2.2

PROJECT NO: 2012-238



Intra-Site Transport

EHS Site Boundary

STCC Property Boundary

Off-Site MSA

Notes

Routes have been selected to avoid planned road construction in Elmira during the IRM, difficult traffic areas as well as to utilize routes with the most marked pedestrian crossings to ensure maximum safety.

1,000 500 0 1,000 Feet

Truck Haul Route
ISMP EWP Notification

Former Sperry Remington Site – North Portion
Elmira, New York

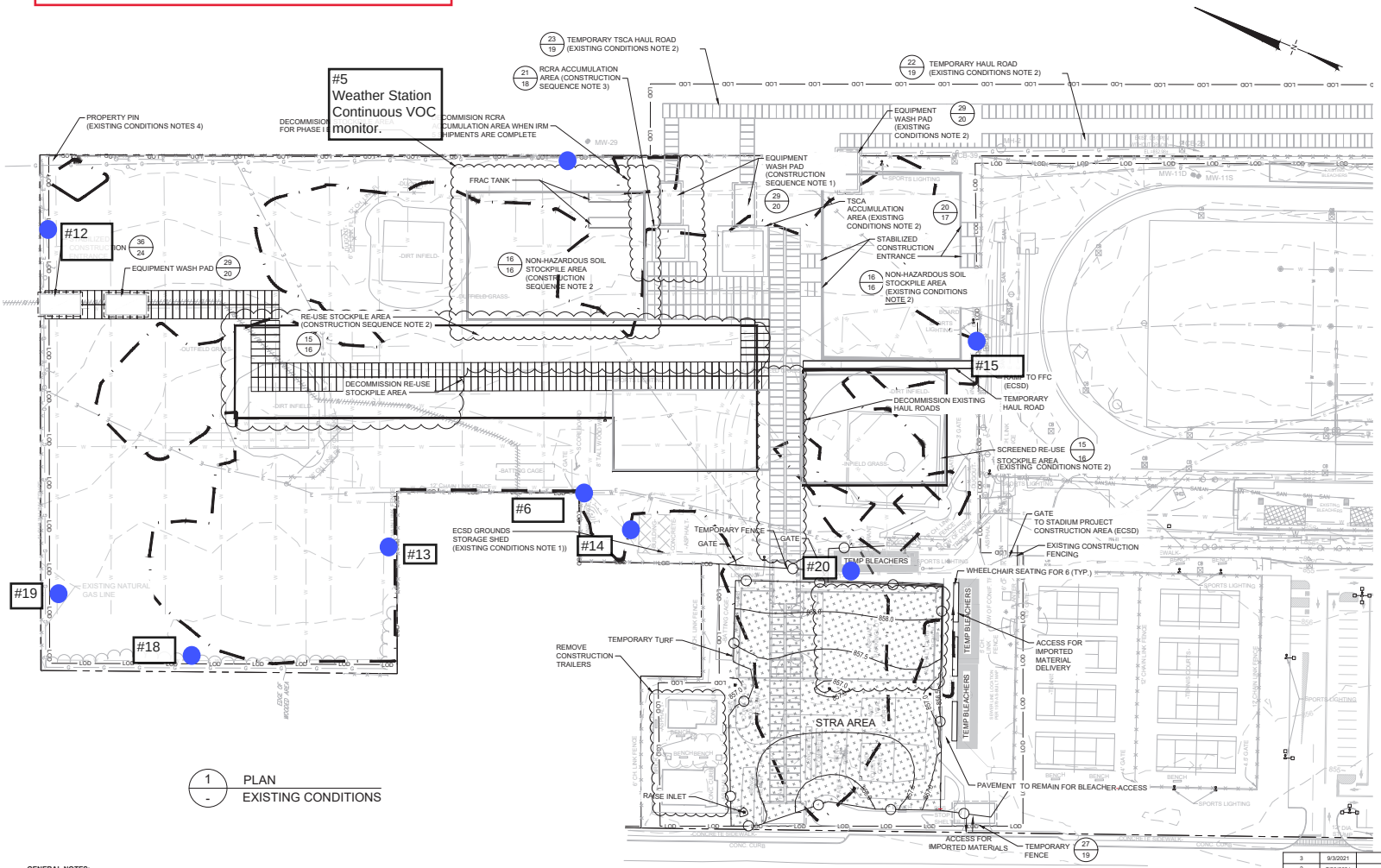
B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | March 2023

Figure **2**

\\Minneapolis-01\data\GIS\Elmira - MN0832\Maps\Addendum A\Figure_2_TruckHaulRoute_ISMPEWP.mxd: Rico.Enriquez: 07-Mar-2023

Updated
06/21/2023



1 PLAN
EXISTING CONDITIONS

LEGEND

- MANHOLE
- CATCH BASIN
- MANHOLE
- CULVERT PIPE
- CHAIN LINK FENCE
- WOODEN FENCE
- PROPERTY LINE
- EXISTING CONTOUR LINE
- EDGE OF WATER
- EDGE OF WOODS OR BRUSH
- BURIED ELECTRIC CABLE
- SANITARY SEWER
- STORM SEWER
- NATURAL GAS LINE
- DEACTIVATED GAS LINE
- WATER LINE
- BURIED FIBER OPTIC CABLE
- EXCAVATION LIMITS
- LIMIT OF DISTURBANCE
- TREE



0 50' 100'
SCALE IN FEET

GENERAL NOTES:

1. EXISTING TOPOGRAPHY IS FROM:
   a. A TOPOGRAPHIC SURVEY OF ELMIRA HIGH SCHOOL BY HUNT ENGINEERS, ARCHITECTS, AND SURVEYORS IN SEPTEMBER 2016. VERTICAL CONTROL IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88/GEOID 12A). HORIZONTAL CONTROL IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83/NA 2011).
   b. A TOPOGRAPHIC SURVEY OF ELMIRA HIGH SCHOOL BY FAGAN ENGINEERS IN MAY 2019 -18064-A SENT 2019-5-24.DWG
2. UNDERGROUND UTILITIES SHOWN WERE MAPPED USING A COMBINATION OF FIELD LOCATED EVIDENCE AND EXISTING UTILITY MAPS. THE ACCURACY OF THESE UTILITY LOCATIONS CANNOT BE GUARANTEED. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BEFORE EXCAVATING. CALL 'DIG SAFELY NEW YORK' 1-800-962-7962.
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPROVED IRM WORK PLAN AND AMENDMENTS. ANY PROPOSED MODIFICATION TO THE WORK PLAN MUST BE APPROVED BY NYSDEC.
4. CONSTRUCTION TRAFFIC PATTERNS MAY BE MODIFIED BY CONTRACTOR AS NECESSARY SUBJECT TO ENGINEER APPROVAL.
5. TEMPORARY TSCA TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING SOILS WITH ≥ 50 MG/KG PCBS TO THE TSCA ACCUMULATION AREA.
6. TREES AND WOODY VEGETATION SHALL BE CUT FLUSH WITH THE GROUND SURFACE AND DISPOSED OF OFF-SITE AT A PERMITTED LAND CLEARING MANAGEMENT FACILITY. ROOT BALLS SHALL BE MANAGED IN ACCORDANCE WITH THE SOILS MANAGEMENT PLAN. STUMPS SHALL BE GROUND UP IN-PLACE AND WOOD CHIPS MANAGED WITH THE SOILS MANAGEMENT PLAN.
7. CONTRACTOR SHALL INSTALL TEMPORARY 6-FOOT TALL CHAIN LINK FENCING AROUND THE LIMITS OF DISTURBANCE. FENCING SHALL INCLUDE VISUAL SCREENING.
8. CONTRACTOR SHALL PLACE AND MAINTAIN BOOT DECONTAMINATION STATIONS AT THE EDGE OF EXCLUSION ZONES FOR BETWEEN THE IRM EXCAVATION AREAS AND TRAILERS IN ORDER TO PREVENT FOOT TRAFFIC FROM TRACKING IMPACTED SOILS FROM EXCAVATIONS TO OFF-SITE TRAILERS (LOCATED WITHIN THE VFW PARKING AREA).

EXISTING CONDITIONS NOTES:

1. CONTRACTOR SHALL MAINTAIN ACCESS ECSD PERSONNEL TO GROUNDS STORAGE SHED AND CONCESSION STAND STORAGE.
2. TEMPORARY FACILITIES CONSTRUCTED DURING IRM #4 AND IRM #5 WILL BE UTILIZED AS SHOWN.
3. CONTRACTOR SHALL PROTECT EXISTING MONITORING WELLS WITHIN THE LIMIT OF DISTURBANCE DURING CONSTRUCTION AND RESTORE ACCESS DURING SITE RESTORATION.
4. CONTRACTOR SHALL MAINTAIN PROPERTY PIN IN NORTHEAST CORNER OF SITE OR INSTALL NEW PIN AT END OF PROJECT IF IMPACTED DURING CONSTRUCTION.

CONSTRUCTION SEQUENCE:

1. INSTALL/MAINTAIN TEMPORARY SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH APPROVED SWPPP.
2. DECOMMISSION AND DECONSTRUCT TEMPORARY HAUL ROADS AND STOCKPILE AREAS AS SHOWN.
3. DECOMMISSION AND DECONSTRUCT RCRA ACCUMULATION AREA AFTER IRM 5 RCRA WASTE SHIPMENTS HAVE BEEN COMPLETED.

PM10 Air Monitor

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
3	9/3/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
2	7/20/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geovation Consultants

UNISYS

TITLE: EXISTING CONDITIONS

PROJECT: INTERIM REMEDIATION MEASURE #5
AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

SIGNATURE
9/3/2021
DATE

STATE OF NEW YORK

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN08321
CHECKED BY:	TBR	FILE:	MN08321-503-01
REVIEWED BY:	AK	DRAWING NO.:	
APPROVED BY:			2 OF 24

P:\cad\PROJECTS\Elmira - Elmira NY (MN08320)\MN8321 IRM#5\MN8321-503-01.dwg
Bjones - 9/3/2021 3:46 PM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

Via E-mail

July 20, 2023

Mr. Andrew Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: ISMP Notification/Work Plan
North Athletic Fields Restoration Augering Activities
Former Sperry Remington Site – North Portion (#c808022)
777 South Main Street, City of Elmira, Chemung County, NY

Dear Mr. Millspaugh:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with New York State Department of Health (NYSDOH), has completed its review of the document entitled "ISMP Notification/Work Plan – North Athletic Fields Restoration Augering Activities," dated June 30, 2023, and **Approves as modified** below:

Section 5.4 Soil Staging Methods (EWP G-4)

1. Use of the temporary roll-off is limited to soils generated as part of this ISMP submittal.
2. The staged temporary roll-off must be inspected by the QEP on a weekly basis or after heavy rainfall.
3. The method of transport of spoils from each auger location to the temporary roll-off must be included in the Activity Log and approved by the Agency. If utilizing a wheeled bucket loader, the bucket is limited to ¾ capacity and must be decontaminated at the conclusion of work using existing IRM infrastructure.
4. Transport of soils must be directly supervised by the QEP and provisions must be in place to prevent impact to the IRM soil cover during transport within completed IRM soil cover areas.

Section 5.8 Materials Reuse On-Site (EWP G-8)

5. Augered soil from above the demarcation layer that is intended for reuse as backfill material must be segregated prior to auger contact with the demarcation layer; otherwise, all spoils from that auger location will be considered impacted by native material and subject to ISMP requirements.
6. The temporary stockpile locations for excavated soil from above the demarcation layer must be provided in the ISMP Activity Log.

Section 5.15 Community Air Monitoring Plan (EWP G-15)

7. Camp Station #14 must be adjusted, with field oversight, to be between the ground intrusive activity and the adjacent residential properties.
8. PCB and VOC air monitoring may be requested in the event impacted soils, subsurface structures, tanks, etc. are encountered during excavations.

Within 10 days, please elect in writing your acceptance of the above Approved as Modified and provide a calendar schedule including report deliverables. Please contact me at (585) 226-5480 if you have questions regarding this letter.

Sincerely,



Timothy Schneider, P.E.
Professional Engineer 1

J. Magliocca / S. Cyr
D. Pratt / M. Cruden / K. Zappia
S. Bogardus / J. Deming
K. Krueger / M. Howe / J. Huha

Sterling Environmental Engineering, P.C.

ISMP NOTIFICATION/WORK PLAN
NORTH ATHLETIC FIELDS RESTORATION
AUGERING ACTIVITIES

ELMIRA HIGH SCHOOL
ELMIRA, NEW YORK

Prepared For:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared By:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

June 30, 2023

"Serving our clients and the environment since 1993"

ISMP NOTIFICATION/WORK PLAN
NORTH ATHLETIC FIELDS RESTORATION
AUGERING ACTIVITIES

ELMIRA HIGH SCHOOL
ELMIRA, NEW YORK

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Appendix B ISMP Activity Details
Appendix C Summary of Environmental Condition
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1.0 INTRODUCTION

Sterling Environmental Engineering, P.C., (STERLING) has prepared this Notification/Work Plan to notify the New York State Department of Environmental Conservation (NYSDEC) of planned ground intrusive work at the Former Sperry Remediation Site in compliance with the provisions of the Interim Site Management Plan (ISMP) as part of the North Athletic Fields (NAF) restoration project on behalf of the Elmira City School District (ECSD).

Ground intrusive activities are required to be performed in accordance with the Excavation Work Plan (EWP), Appendix G of the ISMP. The format and content of this Notification/Work Plan is based on the requirement provided in Section G-1 of the EWP.

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive augering activities:

1. The installation of two concrete post foundations for electric supply panels. The foundation locations are shown in Appendix A and construction details are shown in Appendix B. Post foundations will be augered to a depth of 5 feet below the final cover system grade using a 12-in diameter auger. Each 12-in diameter foundation is estimated to generate 0.15 CY of soil (0.30 CY total). As shown in Appendix C, the posts are located in areas where native soil may be encountered. Augured borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place.
2. The installation of approximately 650 linear feet of perimeter fencing for the softball field and 1,100 linear feet of perimeter fencing for the baseball field. Fence posts will be installed at a spacing of 10 feet, which corresponds to approximately 175 fence posts that will be augered to a depth of 5 feet below the final cover system grade. The fence alignments are shown in Appendix A and construction details are shown in Appendix B. Post foundations will be augered using 12-in diameter augers for regular fence post and 18-in diameter augers for end and corner posts. Each 12-in diameter foundation is estimated to generate 0.15 CY of soil, and each 16-in diameter foundation is estimated to generate 0.26 CY of soil. As shown in Appendix C, approximately 450 linear feet of softball field fencing and approximately 780 linear feet of baseball field fencing are located in areas where the depths of native material may be encountered (approximately 123 posts). The remaining fencing will be installed in areas with at least 5 feet of imported backfill that will not require management. Therefore, the quantity of soil requiring management is estimated to be up to 21 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Details 3, 5, and 6 on design drawing, Drawing No. L6.3 in Appendix B.
3. The installation of three post foundations for the aluminum sliding gate located at the western property boundary adjacent to O'Gorman Street. The foundation locations are shown in Appendix A and construction details are shown in Appendix B. Post foundations will be augered to a depth of 5 feet below the final cover system grade using a 16-in diameter auger. Each 16-in diameter foundation is estimated to generate 0.26 CY of soil. As shown in Appendix C, all posts are located in areas where the depths of native material may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 0.80 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 1 on design drawing, Drawing No. L6.4 in Appendix B.
4. The installation of four post foundations for foul poles for the baseball and softball fields. The post foundation locations are shown in Appendix A and construction details are shown in Appendix B. Pending final foundation design, the post foundations are assumed to be augered to a depth of 11.5

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feet below the final cover system grade using a 30-inch diameter auger. Each 30-inch diameter foundation is estimated to generate 2.1 CY of soil. As shown in Appendix C, all foul posts except the softball third base post are in areas where the depths of native material may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 6.3 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 10 on design drawing, Drawing No. L6.3 in Appendix B.

5. The installation of approximately 150 linear feet of backstop fencing for the softball field and 160 linear feet of backstop fencing for the baseball field. Fence posts will be installed at a spacing of 10 feet, which corresponds to approximately 31 posts that will be augered to a depth of 11.5 feet below the final cover system grade using a 30-in diameter auger. The fence alignments are shown in Appendix A and construction details are shown in Appendix B. Each 30-in diameter post is estimated to generate 2.1 CY of soil. As shown in Appendix C, all backstop fencing is in areas where native soil may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 65 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 7 on design drawing, Drawing No. L6.3 in Appendix B. Pending final foundation design, the intermediate post may be installed to shallower depths, which will reduce the total soil quantity requiring management.
6. The installation of eight post foundations for two batting cages. The post foundation locations are shown in Appendix A and construction details are shown in Appendix B. Posts foundations will be augered to a depth of 7 feet below the final cover system grade using a 30-inch diameter auger. Each 30-inch diameter foundation is estimated to generate 1.3 CY of soil. As shown in Appendix C, all posts are located in areas where the depths of native material may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 10.4 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 5 on design drawing, Alternate Drawing No. L6.3 in Appendix B.

Soil removed from all excavation locations and cover reconstruction activities will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The intrusive activities for the NAF electric panel, fence posts, swing gate, foul poles, backstop posts, and batting cage posts will occur entirely within the NAF IRM 5A2 work limits. A summary of environmental conditions is presented in Appendix C that includes a “heat map” showing the thickness of imported soil above demarcation layer within the NAF.

4.0 WORK SCHEDULE

Construction activities described in this ISMP are scheduled to be initiated as soon as possible following NYSDEC approval and contractor availability, but no later than August 1, 2023. A completed ISMP Activity Log will be submitted indicating the actual start date, schedule for construction completion, and a schedule for report deliverables.

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5.0 APPLICABLE COMPONENTS OF EWP

The following is a list of the sections of the EWP addressed in this notification and the party responsible for each work item.

Applicable	EWP Section	Description of Work	Responsibility
X	G-1	Notification to the NYSDEC	ECSD
X	G-2	Roles and Responsibilities	ECSD
X	G-3	Soil Screening Methods	ECSD and Geosyntec
X	G-4	Soil Staging Methods	Geosyntec
X	G-5	Materials Excavation and Load-Out	ECSD and Geosyntec
X	G-6	Materials Transport Off-Site	Geosyntec
X	G-7	Materials Disposal Off-Site	Geosyntec
X	G-8	Materials Reuse On-Site	Geosyntec
X	G-9	Confirmation Sampling	ESCD and Geosyntec
X	G-10	Fluids Management	Geosyntec
X	G-11	Cover System Restoration	ECSD
X	G-12	Backfill from Off-Site Sources	ECSD
NA	G-13	Stormwater Pollution Prevention	ECSD
X	G-14	Excavation Contingency and Dewatering Plan	ECSD
X	G-15	Community Air Monitoring Plan	ECSD and Geosyntec
NA	G-16	Odor Control Plan	NA
X	G-17	Dust Control Plan	Geosyntec
NA	G-18	Other Nuisances	NA
X	G-19	Access Controls	ECSD

A description of how the proposed work will conform with each applicable section of the EWP is provided in the following sections.

5.1 Notification (EWP G-1)

This Notification/Work Plan constitutes the notification to the NYSDEC required by Section G-1 of the ISMP/EWP for planned ground intrusive activities. Information contained in this notification was obtained primarily from Hunt Engineering (HUNT), engineering consultant for ECSD, and Geosyntec, environmental and engineering consultant for Unisys.

5.2 Roles and Responsibilities (EWP G-2)

Per Section G-2 of the ISMP/EWP, a Qualified Environmental Professional (QEP) will be required and responsible for any ISMP-related monitoring and compliance during any ground intrusive or other relevant work performed at the EHS. Geosyntec will provide the following QEPs to perform oversight for ground intrusive work associated with this ISMP notification.

Ms. Miranda Stelmach
Mstelmach@Geosyntec.com
Cell: 920-676-4194

These QEP's report to Geosyntec's Project Manager, Mr. Aron Krasnopoler. The Geosyntec Project Director is Ms. Jennifer Huha. Ms. Huha and Mr. Krasnopoler can be contacted at:

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Mr. Aron Krasnopoler
AKrasnopoler@Geosyntec.com
Cell: 202-550-7724

Ms. Jennifer Huha
Jhuha@Geosyntec.com
Cell: 610-636-1016

ECSD will provide a QEP for the work described herein if this ISMP-related work is performed when IRM-related work is not being performed and a Geosyntec QEP is not available, or Geosyntec cannot otherwise provide a QEP. The site contact for ECSD is:

Mr. Joe Magliocca
jmagliocca@elmiracityschools.com
Cell: 607-684-1508

Geosyntec will be responsible for the following work:

- Provide QEP for all monitoring required by the ISMP notification.
- Perform soil screening and monitoring required by the ISMP during ground disturbance.
- Notify the NYSDEC if excavated soil is to be characterized for reuse on site.
- Arrange for and properly manage soil transport and load out for offsite disposal, or for on-site reuse.
- Coordinate with ECSD representatives and contractors to decontaminate equipment.
- Perform community air monitoring.
- Manage all decontamination wastes.

ECSD and its contractors will be responsible for the following work:

- Remove soil during excavation activities and handle in accordance with the appropriate sections of the ISMP/EWP, as described below.
- Transport excavated soil to approved storage area.
- Installation of electric panel, ball fields' fencing, aluminum slide gate, foul poles and backstop foundations in accordance with engineering drawings and details.
- Coordinate with Unisys/Geosyntec representatives and contractors to decontaminate equipment.
- Provide a QEP for all monitoring required by the ISMP notification if one is unavailable or not provided by Geosyntec.
- Provide As-Built drawings prepared by an NYS licensed surveyor of the excavation and extent of demarcation at the completion of the work.

5.3 Soil Screening Methods (EWP G-3)

Soil screening of all removed soil will be performed by the QEP as described in, and as required by, Section G-3 of the ISMP/EWP. It is anticipated that soils to be encountered will be a combination of previously imported fill and uncharacterized soils.

5.4 Soil Staging Methods (EWP G-4)

Augered soil will be staged as described in, and as required by, Section G-4 of the ISMP/EWP. Augered soil from posts located above demarcation layer will be segregated and stockpiled for reuse as backfill. Prior to augering the post holes that will encounter native soil, geotextile fabric or poly sheeting will be placed along the fence post alignment. Holes will be cut through the fabric/sheeting at the fence post locations based on the auger size. During augering, the spoils will be collected on the surrounding

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fabric/sheeting. At the completion of augering, the soil will be transferred into a lined roll-off. The lined roll-off will be tarped and relocated to a temporary staging area on ECSD property to allow for waste characterization sampling followed by offsite disposal. It is estimated that approximately 104 CY of uncharacterized soils may be encountered during augering activities and will be managed for off-site disposal. The temporary staging area is identified in Appendix D.

Uncharacterized soil will not be transported for offsite storage or disposal until a waste acceptance document has been obtained and provided to the NYSDEC.

CAMP monitoring will be performed during ground intrusive activities by the QEP, as described in Section 5.15.

5.5 Materials Excavation and Load-Out (EWP G-5)

Load-out of excavated soil will be performed by the ECSD contractor, and as described in, and as required by, Section G-5 of the ISMP/EWP. Uncharacterized soil will be loaded into lined roll-off containers for transport to a designated area on ECSD property for temporary staging to allow for waste characterization followed by offsite disposal. The temporary staging area is identified in Appendix D. Geotextile or poly sheeting will be placed on the ground below the roll-off containers during loading activities.

Once characterized, the temporarily staged soil will be transported directly to the offsite disposal facility or will be relocated to the STCC MSA for staging with other IRM soils pending offsite disposal. Geosyntec and the Unisys remedial contractor will be responsible for load-out and offsite disposal following waste characterization.

5.6 Materials Transport Off-Site (EWP G-6)

Transportation of the excavated soil will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. Geosyntec or the Unisys remediation contractor will coordinate for transportation of the excavated soil for offsite disposal following waste characterization.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of excavated soil. Excavation of uncharacterized native soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs. Uncharacterized soil will be loaded into lined roll-off containers for transport to a designated area on ECSD property for temporary staging to allow for waste characterization followed by offsite disposal. The temporary staging area is identified in Appendix D. The Unisys remediation contractor will coordinate transportation of the excavated soil for offsite disposal following waste characterization. The likely landfill for disposal is Hyland Landfill in Ontario, NY, operated by Casella Waste Systems.

5.8 Material Reuse On-Site (EWP G-8)

Augered soil from above a demarcation layer may be segregated, if feasible, and stockpiled for reuse as backfill material without chemical testing. If on-site reuse of augered soils from beneath demarcation layer is contemplated, the NYSDEC will be informed and laboratory analyses will be performed to determine whether the soil meets the criteria for reuse on-site, either within a soil cover system, or as fill material below a soil cover system, in accordance with Section G-8 of the ISMP/EWP. Soil quality would need to meet the requirements in NYSDEC DER-10 Appendix 5 to be reused. The number and type of soil samples would be in accordance with Section G-8 of the ISMP/EWP. A Request to Import/Reuse Fill or Soil form

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would be submitted to the NYSDEC by Geosyntec for approval if reuse of the soil onsite is supported by the laboratory analytical data.

5.9 Confirmation Sampling (EWP G-9)

Confirmation sampling will not be performed during the post installation activities because the nature of the work does not allow collection of native soil from the completed boreholes.

5.10 Fluids Management (EWP G-10)

Following augering at each location, loose soil is to be dry-brushed from the auger over geofabric or poly sheeting to prevent cross-contamination. If needed, the auger will be wrapped in poly sheeting while in transit between boring locations to prevent residual soil from contacting the ground surface.

Fluid management is not expected with the proposed ISMP work. Post holes will not extend to the groundwater table. Equipment that comes into contact with native soils will be limited to the augers, which will be decontaminated by dry methods over geofabric or poly sheeting to remove any loose soil to prevent cross-contamination.

No wet decontamination will occur outside of active IRM work areas.

5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in accordance with the details shown on the detail drawings provided in Appendix B, and in compliance with Section G-11 of the ISMP/EWP. The cover system for this activity will consist of poured concrete for the full augured depth of the post foundations.

A demarcation layer is required as described in Section G-11 of the Excavation Work Plan "to provide a visual reference to the top of the remaining contamination zone". The installation of a demarcation layer is not feasible within the post borings and the poured concrete will serve as demarcation to the top of the remaining contamination zone for specific post locations extending into uncharacterized soil.

As-built documentation from a NYS PE will be provided for all restored Engineering Controls, per Section G-11 of the EWP.

5.12 Backfill from Off-Site Sources (EWP G-12)

The details provided in Appendix B indicate that the augered post borings will be backfilled with concrete surrounding a sleeve to hold the posts in place. No imported backfill is required to install the posts.

5.13 Stormwater Pollution Prevention (EWP G-13)

A Stormwater Pollution Prevention Plan (SWPPP) has been developed for the NAF restoration that includes the improvements described in this ISMP notification.

5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during excavation, auguring or installation activities, or if groundwater is encountered and discharges continuously from the

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augured location, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. If CAMP monitoring is performed when IRM-related work is not being performed and a Geosyntec QEP is not available, or Geosyntec cannot otherwise provide a QEP to perform CAMP monitoring, ECSD will provide a QEP to perform the CAMP monitoring. Daily CAMP monitoring data will be provided to NYSDEC whether the monitoring is performed by Geosyntec or ECSD.

The construction activities have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent to the work zone using the existing CAMP monitoring network for IRM5A2 as shown in Appendix D. The following controls will be implemented, as applicable, for community protection:

- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that excavating or soil load-out occurs.

Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to eliminate dust or airborne particulates during the excavation, installation, auguring, and backfilling activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

The work area for the excavation activities will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures include, but are not limited to, fencing around the ISMP work areas as these excavations are within the limits of disturbance of work associated with IRM #5A2.

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6.0 HEALTH AND SAFETY

The work will be performed in compliance with the ISMP/EWP and 29 CFR (Code of Federal Regulations) 1910.120. Contractor personnel will be required to have 40-hour Hazwoper training. A copy of the contractor's Health and Safety Plan (HASP) will be provided to the NYSDEC in electronic format if it differs from the HASP in Appendix 4 of the ISMP.

S:\Sterling\Projects\2021 Projects\Elmira High School - 2021-01\Reports\ISMP Notifications\NAF Restoration\Augering\2023-06-30_c808022_NAF Augering ISMP.docx

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APPENDIX A

ISMP ACTIVITY LOCATIONS

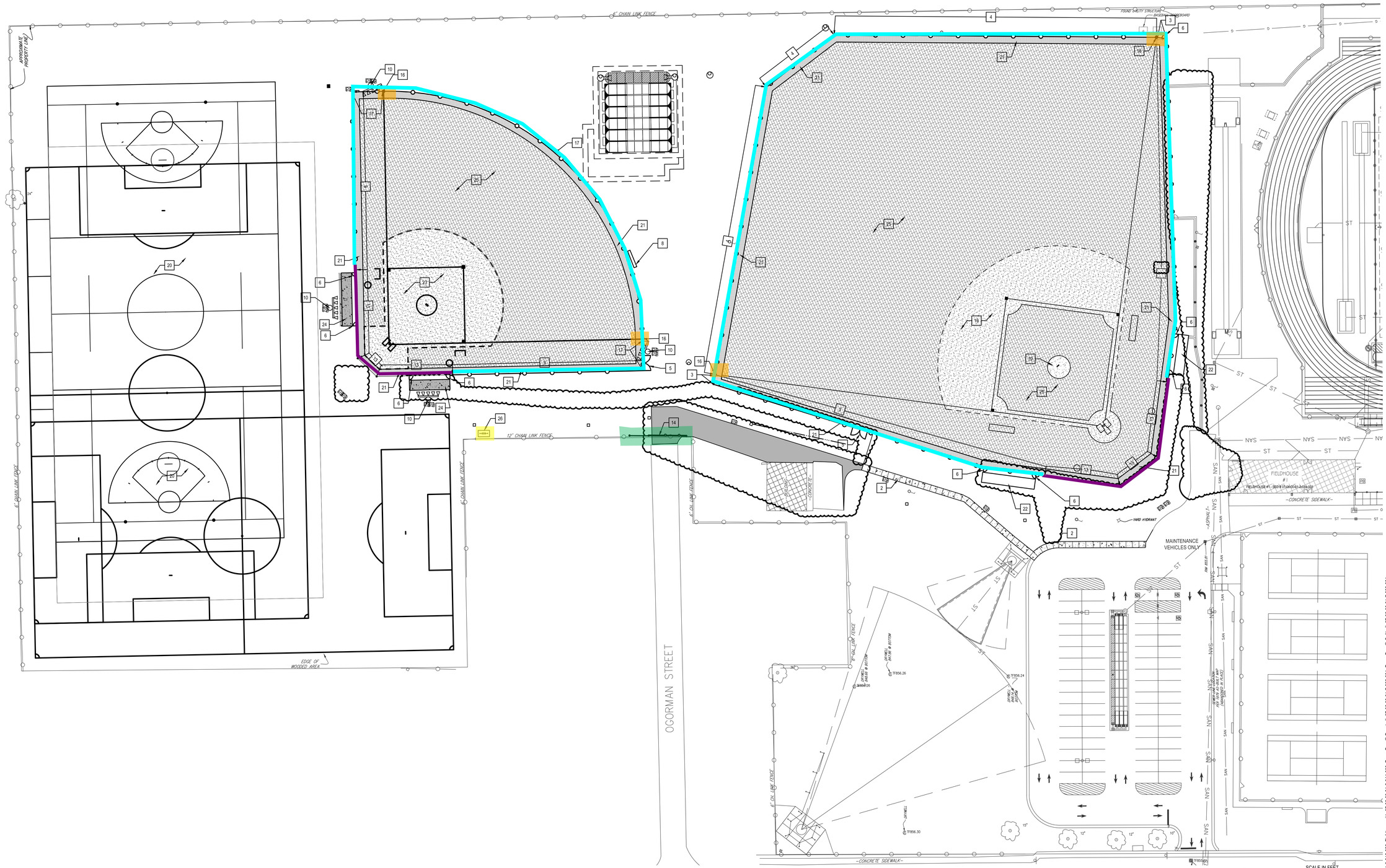
GENERAL NOTES

A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING. SEE SCHEDULE.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. (ALTERNATE 6) PROVIDE 8' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION. SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE, SEE DETAIL 7/L6.3.
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 3/L6.2.
9. (ALTERNATE 4) PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK). SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 4/L6.2.
11. NOT USED
12. NOT USED
13. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO, SEE DETAILS 4&8/L6.3.
14. PROVIDE A 45' LONG, 8' TALL VINYL COATED CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4. 8' TALL VINYL COATED.
15. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
16. PROVIDE 20' TALL FOUL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL, SEE DETAIL 10/L6.3.
17. (ALTERNATE 5) PROVIDE 6' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION, SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
18. DURAEDGE CLAY INFIELD MIX, SEE DETAIL 5/L6.4.
19. (ALTERNATE 7) BASEBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 5&6/L6.4. MOUND MASTER CLAY BLOCK BY OWNER.
20. (BY DISTRICT) SITE TO BE REESTABLISHED WITH TOPSOIL, SEED/SOD, SEE DETAIL 9/L6.3.
21. (ALTERNATE 3) BASEBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
(ALTERNATE 2) SOFTBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
22. BASEBALL DUGOUT FOUNDATIONS BY OTHERS.
23. (ALTERNATE 11) PROVIDE SOFTBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 4,5&6/L6.4.
24. (ALTERNATE 9) SOFTBALL DUGOUT FOUNDATIONS, SEE STRUCTURAL.
25. (ALTERNATE 12) PROVIDE SOD AT BASEBALL AND SOFTBALL FIELDS.
26. 5" THICK CONCRETE SLAB FOR ELECTRICAL PANELS. COORDINATE SIZE WITH ELECTRICAL CONTRACTOR, SEE DETAIL 2/L6.3.



1 SITE IMPROVEMENT PLAN
SCALE: 1" = 30'

STATE OF NEW YORK
TIMOTHY KANE STID
No. 080085
PROFESSIONAL ENGINEER
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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1	2/3/2023	ISSUE FOR BID	
2	3/16/2023	ADDENDUM #1	
	3/28/2023	REVISION PER DEC COMMENTS	

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HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868

SITE IMPROVEMENT PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

EHS: 07-06-00-01-0-045-026; Fieldhouse #1: 07-06-00-01-3-044-003; Press Box @ Baseball: 07-06-00-01-7-082-001; Press Box @ Softball: 07-06-00-01-7-083-001

L2.2

PROJECT NO: 2012-238

GENERAL NOTES

1. EXISTING IRRIGATION IS NOT YET INSTALLED OR BEING SHOWN IN AN APPROXIMATE LOCATION. WILL BE INSTALLED DURING CONSTRUCTION.
2. THE SITE IS BEING RESTORED AFTER SOIL REMEDIATION MEASURES, CONTRACTUALLY, THE SOIL REMEDIATION CONTRACTOR IS RESPONSIBLE FOR BACKFILL AND RESTORATION A COVER SYSTEM IS OF CLEAN IMPORTED MATERIAL IS TO BE INSTALLED NO LESS THAN 2'-6" BELOW FINISH GRADE. COVER SYSTEM INCLUDE AN IMPORTED GRANULAR FILL METING NYSDOT TYPE 4 SPECIFICATION AND 6" OF TOPSOIL IN LAWN AREAS, SAID CONTRACTOR IS RESPONSIBLE FOR SEEDING, SOD, EROSION AND SEDIMENT CONTROL. IMPORTED GRANULAR FILL CAN BE REUSED ON SITE OR TURNED OVER TO THE REMEDIATION CONTRACTOR.
3. ALL WORK WILL REQUIRE STRICT COORDINATION BETWEEN ALL CONTRACTORS ON SITE. SCHEDULE REFLECTS MULTIPLE CONTRACT WORK PREFORMED AT THE SAME TIME.
4. CONTOURS SHOWN AS EXISTING ON PLAN REPRESENT THE ELEVATION AT WHICH THE IMPORTED BACKFILL MATERIAL ENDS AND A DEMARCATION LAYER IS FOUND.
5. FOR NEW PAVED SURFACES, IT IS EXPECTED THAT THE REMEDIATION CONTRACTOR WILL PROVIDE GRANULAR FILL UP TO THE ELEVATION REQUIRED FOR PAVEMENT DETAIL, TRUE AND LEVELING AND ELEVATION CONFIRMATION MAY BE REQUIRED.
6. ASSUME AUGURED FOUNDATIONS WILL PENETRATE DEMARCATION LAYER AND SOIL MANAGEMENT ACTIVITIES WILL BE REQUIRED FOR SOIL MANAGEMENT.
7. DEMARCATION LAYER IS REQUIRED.WHERE DISTURBED. ASSUME DEMARCATION IS INSTALLED.
8. EXCAVATED SPOILS. QUALIFYING AS IMPORTED MATERIAL, PREVIOUSLY INSTALLED BY REMEDIATION CONTRACTOR, CAN BE USED FOR REQUIRED IMPORTED FILL WITHIN THE PROJECT SITE. ANY REMAINING IMPORT MATERIAL SHALL BE RELINQUISHED TO SOIL REMEDIATION.
9. ALTHOUGH NOT SHOWN ON THIS PLAN, EXCAVATIONS ARE CURRENTLY BEING PREFORMED BY THE REMEDIATION CONTRACTOR TO PROVIDE THE DISTRICT WITH BACKFILLED IMPORT MATERIAL SO THAT NO NATIVE SOILS WILL BE ENCOUNTERED. SUCH AREAS INCLUDE, DUGOUTS, PRESSBOX, AND STORM CHAMBER.

Softball foul poles

Softball fence posts 4'deep, 2.5' diameter

Softball backstop posts

Baseball foul poles

Baseball fence posts 4'deep, 2.5' diameter

Baseball backstop Posts

Swing Gate Posts

LIMIT OF CONTRACT

12' CHAIN LINK FENCE

6' CHAIN LINK FENCE

EDGE OF WOOD LINE

FIELDHOUSE FFE 856.63

CONCRETE SIDEWALK

CONC. CURB

OGORMAN STREET

SOUTH MAIN STREET

1 SITE GRADING PLAN
SCALE: 1" = 30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
TIMOTHY KANE SEAN
No. 085005
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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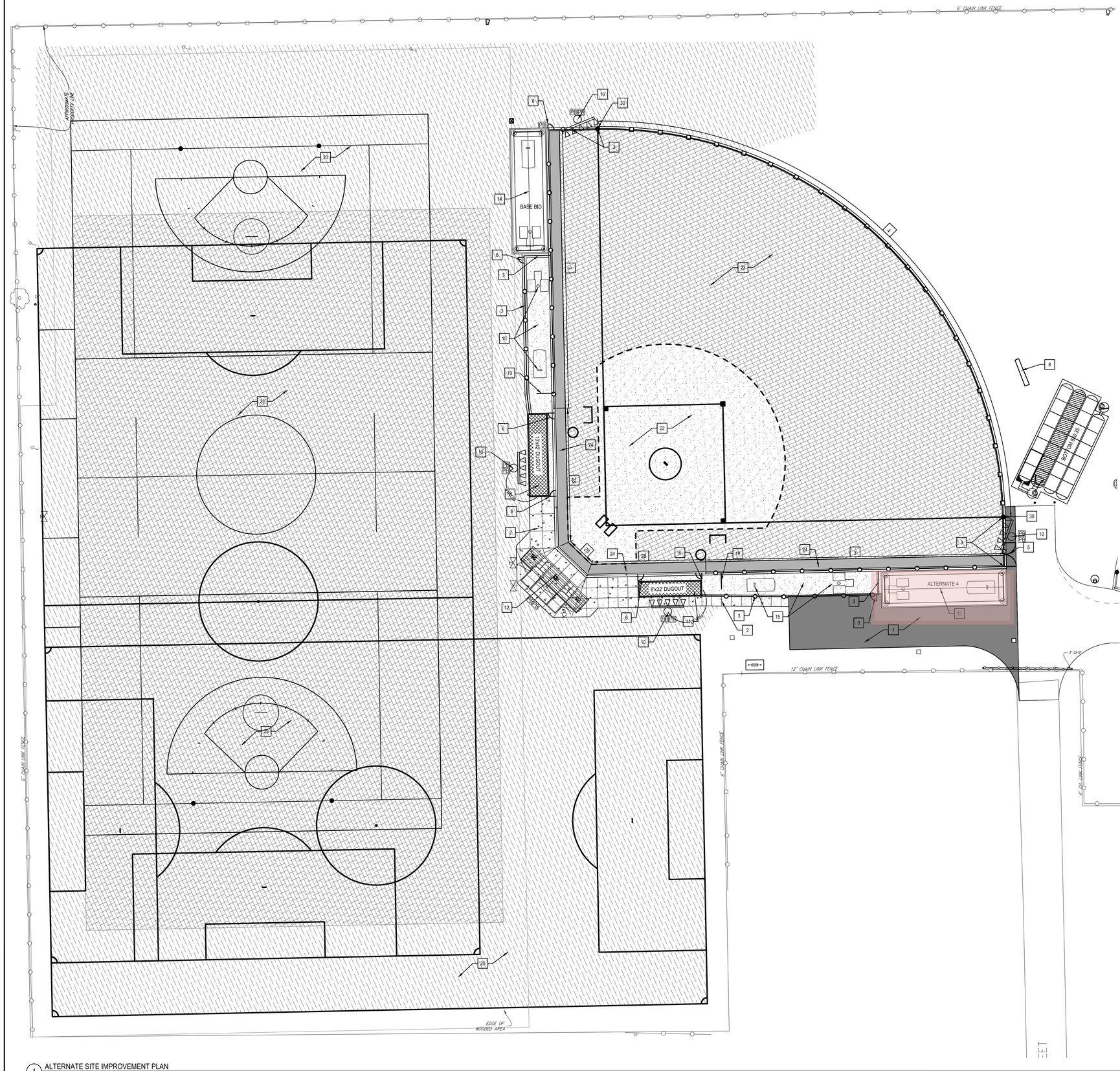
SITE GRADING PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS
ELMIRA CITY SCHOOL DISTRICT
777 S MAIN ST, ELMIRA, NY 14904

L4.2

PROJECT NO: 2012-238

EHS: 07-06-00-01-0-016-026; Fieldhouse #1: 07-06-00-01-2-044-003; Press Box @ Baseball: 07-06-00-01-7-082-001; Press Box @ Softball: 07-06-00-01-7-083-001



1 ALTERNATE SITE IMPROVEMENT PLAN
SCALE: 1" = 20'

GENERAL NOTES

A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING WITH THE WORK OF THIS SEPARATE REMEDIATION PROJECT.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

C. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.

SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) WITH 1'-8" WIDE CONCRETE MOW STRIP UNDER FENCE, SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. PROVIDE 8' TALL VINYL COATED CHAINLINK OUTFIELD FENCE (COLOR BLACK) WITH 1'-6" WIDE CONCRETE MOW STRIP UNDER FENCE, SEE DETAIL 3&4/L6.3 & SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. (ALTERNATE 6) PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE AND MOW STRIP, SEE DETAIL 7/L6.3
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 5/L6.2.
9. (BASE BID) PROVIDE REMOVABLE 8' TALL SOFTBALL OUTFIELD FENCING AND FOUL POLES BY GRAND SLAM SAFETY, SEE DETAILS 8&10/L6.3.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 6/L6.2.
11. PROVIDE DUGOUTS. SEE ARCHITECTURAL AND STRUCTURAL PLANS.
12. (ALTERNATE 2) PROVIDE PRESSBOX AND 95 PERSON GRANDSTAND. SEE ARCHITECTURAL DETAILS.
13. (ALTERNATE 4) PROVIDE SINGLE SOFTBALL BATTING CAGE, BATTING/PITCHING PLATE, AND SYNTHETIC TURF, SEE DETAIL 9/L6.3.
14. PROVIDE SINGLE SOFTBALL BATTING CAGE, BATTING/PITCHING PLATE ON NATURAL GRASS. (ALTERNATE 7) PROVIDE SYNTHETIC TURF IN LIEU OF NATURAL GRASS, SEE DETAIL 9/L6.3.
15. PROVIDE INFIELD MIX AND FURNISH BULLPEN BATTERS PLATE AND PITCHERS PLATE.
16. PROVIDE FIXED 20' TALL BASEBALL FOUL POLES, SEE DETAIL 14/L6.3.
17. (BASE BID) PROVIDE SINGLE BASEBALL BATTING TUNNEL WITH HOME AND PITCHING PLATE ON GRANULAR FILL. SEE DETAIL 11/L6.3. (ALTERNATE 7) PROVIDE SYNTHETIC TURF (BY OTHERS) AND PORT-A-PITCH MOUND AND HOME PLATE. ON BASE BID BATTING CAGE.
(ALTERNATE 3) PROVIDE TANDEM BASEBALL BATTING TUNNEL WITH SEASONAL TURF PITCHING MOUND, AND SYNTHETIC TURF (BY OTHERS).WITH HOME PLATE. PORT-A-PITCH MOUND AND SYNTHETIC TURF (BY OTHERS). SEE DETAIL 11/L6.3.
18. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM WITH 8' TALL BLACK VINYL COATED CHAINLINK FENCE ALONG BOTTOM AND 1'-8" WIDE CONCRETE MOW STRIP UNDER FENCE. SEE DETAIL 3,4&7/L6.3.
19. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAIL 3/L6.3.
20. PROVIDE SOD AS SHOWN. ASSUME SEEDING WAS DONE PREVIOUSLY BY OTHERS AND WILL NEED TO BE ADDRESSED PRIOR TO SOD INSTALLATION. SEE DETAIL 13/L6.3.
21. (INSTALLED PREVIOUSLY BY OTHERS) DURAEDGE BASEBALL INFIELD, BASES, AND PITCHING PLATE.
22. (INSTALLED PREVIOUSLY BY OTHERS) DURAEDGE SOFTBALL INFIELD, BASES, AND PITCHING PLATE
23. (INSTALLED PREVIOUSLY BY OTHERS) SOD WILL BE INSTALLED BY OTHERS. 106,850 SQ FT IN BASEBALL. 42,740 SQ FT IN SOFTBALL AND 75,000 SQ FT IN PRACTICE FIELDS. ALL OTHER AREAS SHOULD BE PREVIOUSLY SEEDED. FINAL LOCATION OF SOD WILL BE DETERMINED IN THE FIELD. HATCHED AREAS SHOWN ON THESE DRAWINGS ARE NOT MATCHING SQ FOOTAGES OF SOD AREA, SEE DETAIL 13/L6.3.
24. PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 15/L6.3.
25. (ALTERNATE 8) PROVIDE 10' BEACON TURF HALO WITH "EXPRESS" TEXT OR APPROVED EQUAL. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.
26. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) AND CENTERED ON 24" WIDE CONCRETE MOW STRIP. EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
27. PROVIDE A 45' LONG CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4.
28. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO AND 1'8" WIDE CONCRETE MOW STRIP, SEE DETAILS 4&12/L6.3.
29. PROVIDE CONCRETE FILLED, 6" DIA STEEL BOLLARD WITH YELLOW HDPE COVER, SEE DETAIL 2/L6.4.
30. (ALTERNATE 1) PROVIDE FIXED SOFTBALL FOUL BALL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL, SEE DETAIL 14/L6.3.
31. PROVIDE 100' BATTERS EYE SCREEN.

DRAWN BY: SSV
CHECKED BY: LG
DATE: 4/4/2022
SCALE: AS NOTED

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ALTERNATE SITE IMPROVEMENT PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

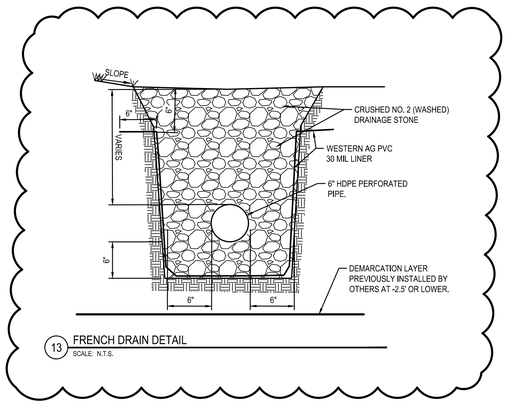
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L2.3

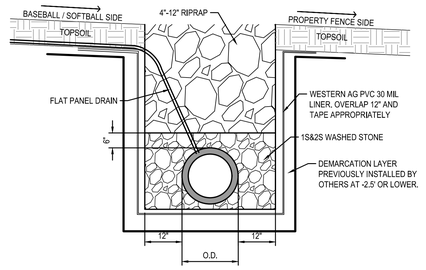
PROJECT NO: 2012-238

APPENDIX B

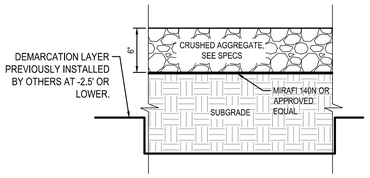
ISMP ACTIVITY DETAILS



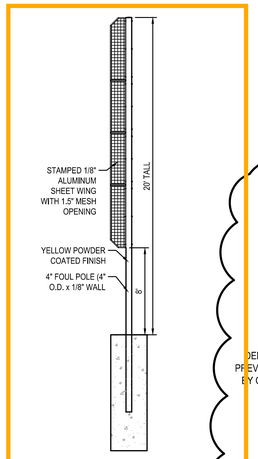
13 FRENCH DRAIN DETAIL
SCALE: N.T.S.



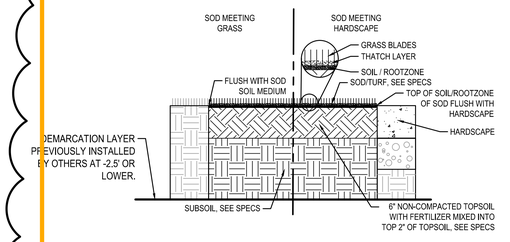
12 PERFORATED COLLECTOR PIPE WITH LINER
SCALE: 1" = 10'



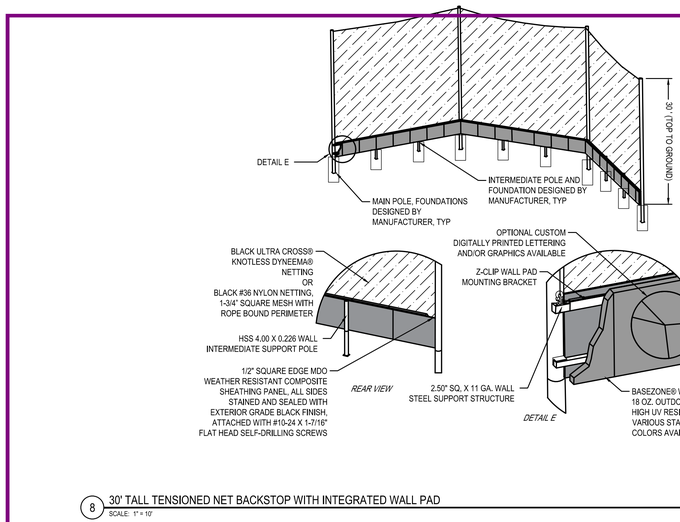
11 WARNING TRACK
SCALE: N.T.S.



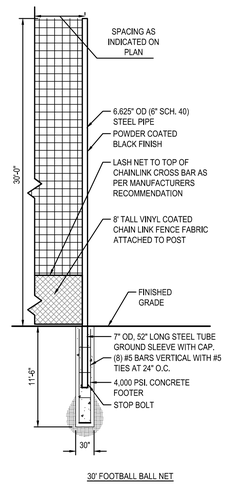
10 FIXED FOUL POLE (20') DETAIL
SCALE: NTS



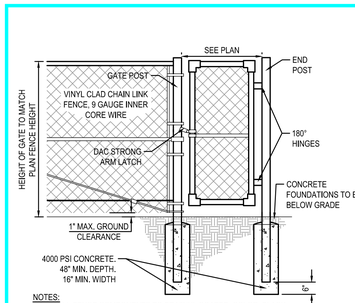
9 SODDED ATHLETIC FIELD
SCALE: N.T.S.



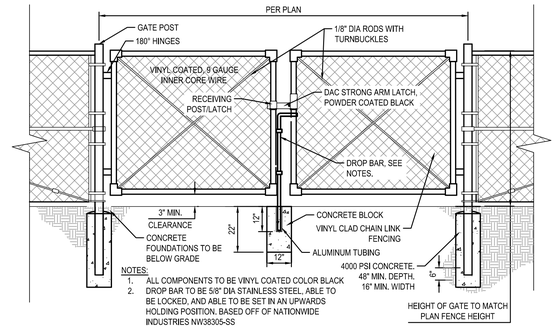
8 30' TALL TENSIONED NET BACKSTOP WITH INTEGRATED WALL PAD
SCALE: 1" = 10'



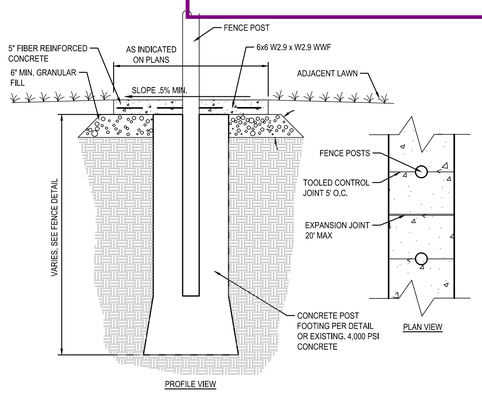
7 BALL NETTING
SCALE: N.T.S.



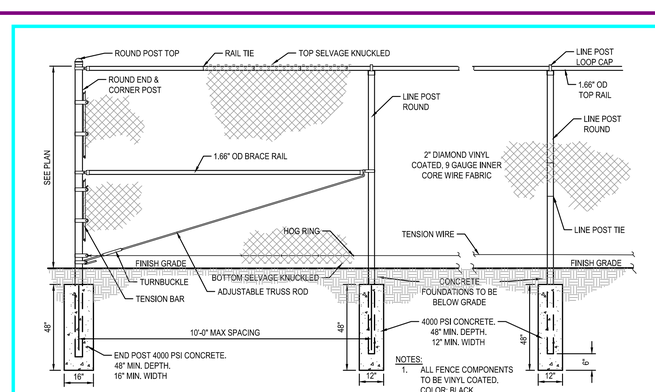
6 CHAINLINK FENCE GATE
SCALE: N.T.S.



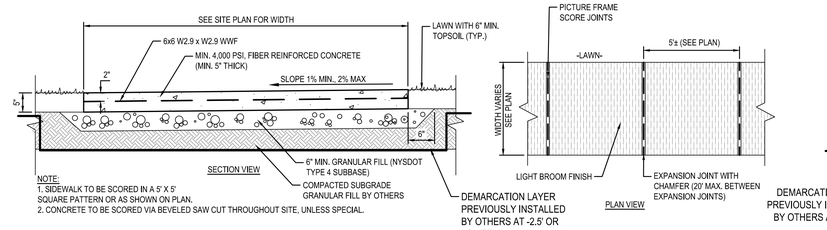
5 DOUBLE SWING GATE DETAIL
SCALE: N.T.S.



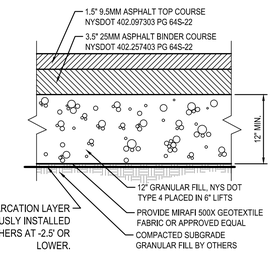
4 CONCRETE MOW STRIP UNDER FENCE
SCALE: N.T.S.



3 CHAIN LINK FENCE DETAIL
SCALE: N.T.S.



2 CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.



1 STANDARD DUTY ASPHALT PAVEMENT
SCALE: N.T.S.

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SITE DETAILS

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L6.3

PROJECT NO: 2012-238

TIMOTHY KANE STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER NO. 085008
EXP. 11/30/2023

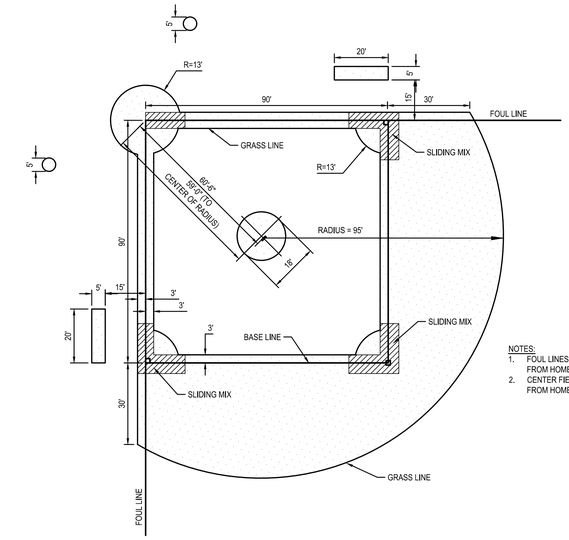
DRAWN BY: SSV
CHECKED BY: LG
DATE: 4/4/2022
SCALE: AS NOTED

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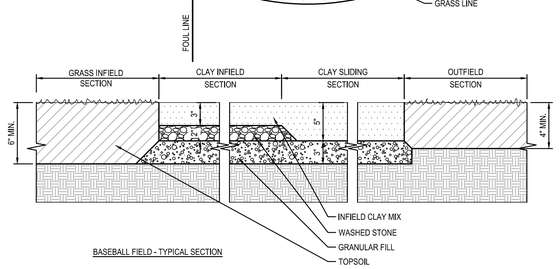
#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/15/2023	ADDENDUM #1 REVISION PER DEC COMMENTS	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL.

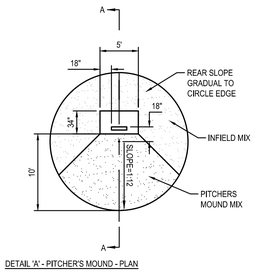
EHS 07-56-00-01-0-016-026; Fieldhouse 81: 07-56-00-01-2-044-003; Press Box @ Baseball: 07-56-00-01-7-082-001; Press Box @ Softball: 07-56-00-01-7-083-001



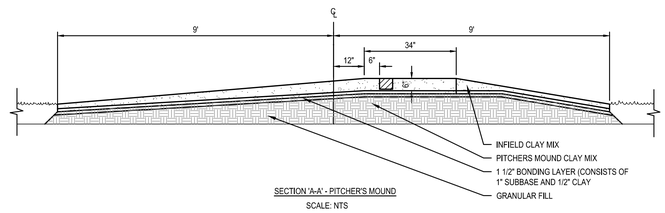
NOTES:
1. FOUL LINES CLEAR OF OBSTRUCTIONS 300' FROM HOME BASE.
2. CENTER FIELD CLEAR OF OBSTRUCTIONS 350' FROM HOME BASE



BASEBALL FIELD - TYPICAL SECTION



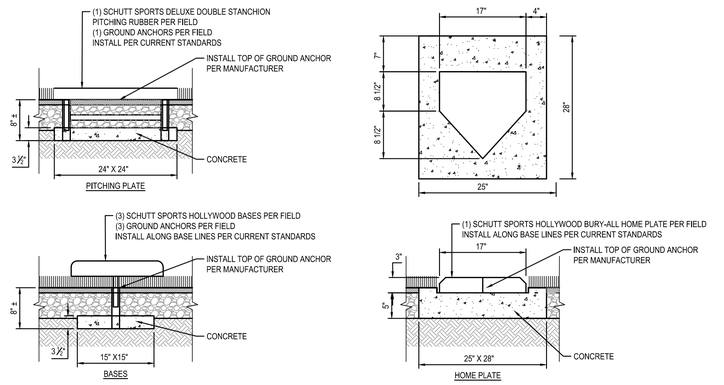
DETAIL 'A' - PITCHER'S MOUND - PLAN



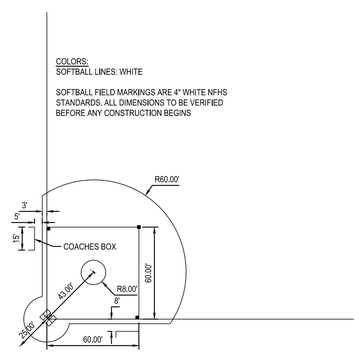
SECTION 'A-A' - PITCHER'S MOUND

SCALE: NTS

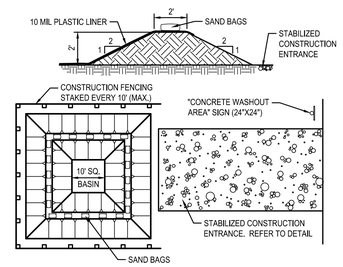
5 BASEBALL FIELD DETAILS
SCALE: N.T.S.



6 BALL FIELD BASE PLATES
SCALE: N.T.S.

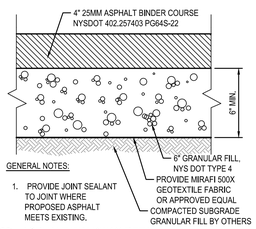


4 SOFTBALL LAYOUT DETAIL
SCALE: N.T.S.



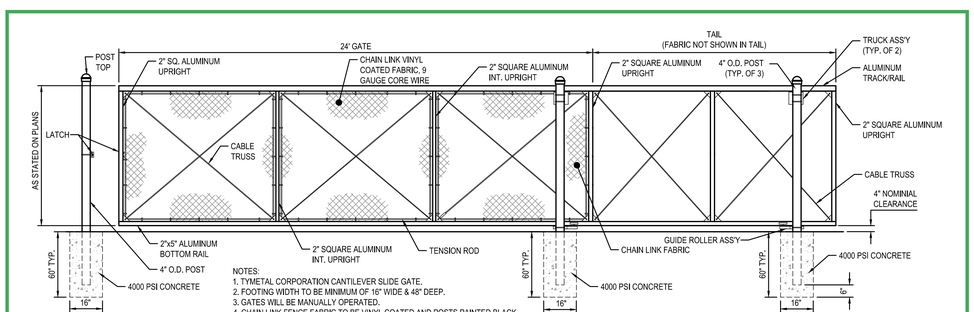
NOTES:
1. ALL TOOLS AND EQUIPMENT UTILIZED DURING ANY CONCRETE CONSTRUCTION, INCLUDING HAND TOOLS, WHEELBARROWS, TRUCKS, CHUTES SHALL UTILIZE THE CONCRETE WASHOUT AREA.
2. WASHOUT AREA TO BE MAINTAINED AND CLEANED OUT PERIODICALLY TO PREVENT WASHWATER AND/OR SOLIDS FROM EXITING THE WASHOUT TRAP.

3 CONCRETE WASH OUT DETAIL
SCALE: N.T.S.



GENERAL NOTES:
1. PROVIDE JOINT SEALANT TO JOINT WHERE PROPOSED ASPHALT MEETS EXISTING.

2 ASPHALT WALKWAY DETAIL
SCALE: N.T.S.



NOTES:
1. TYMETAL CORPORATION CANTILEVER SLIDE GATE.
2. FOOTING WIDTH TO BE MINIMUM OF 16" WIDE & 48" DEEP.
3. GATES WILL BE MANUALLY OPERATED.
4. CHAIN LINK FENCE FABRIC TO BE VINYL COATED AND POSTS PAINTED BLACK.

1 ALUMINUM SLIDING GATE DETAIL
SCALE: N.T.S.

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SITE DETAILS

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L6.4

PROJECT NO: 2012-238

EHS: 07-06-00-01-0-016-026; Fieldhouse #1: 07-06-00-01-2-044-003; Press Box (@ Baseball: 07-06-00-01-1-082-001; Press Box (@ Softball: 07-06-00-01-1-083-001

LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
TIMOTHY KANE STEED
NO. 080096
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/15/23	ADDENDUM 1	
		REVISION PER DEC COMMENTS	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL.

SPORTS LIGHTING CONNECTION SCHEDULE

CIRCUIT CONTACTOR ID	CIRCUIT DESCRIPTION	LOAD (AMPS)	SOURCE PANEL	CIRCUIT BREAKER	CIRCUIT ROUTING		WIRE & CONDUIT
					FROM	TO	
C1	POLE A1	9.7	SFB-HP	30/3	C1	POLE A1	(3)-#12, (1)-#12 G IN 1"C
C2	POLE A2	9.7	CIRCUIT WITH	30/3	C2	POLE A2	(3)-#12, (1)-#12 G IN 1"C
C3	POLE B1	14.1	SFB-HP	C1	C3	POLE B1	(3)-#6, (1)-#6 G IN 1"C
C4	POLE B2	14.1	CIRCUIT WITH	C2	C4	POLE B2	(3)-#10, (1)-#10 G IN 1"C

MUSCO SPORTS LIGHTING CONNECTION SCHEDULE NOTES:

1. THIS SCHEDULE DESCRIBES THE CONNECTION AND ROUTING OF THE SPORTS LIGHTING CIRCUITS COMING FROM THE MUSCO CONTROL & MONITORING SYSTEM TO THE ASSOCIATED LIGHTING POLES & FIXTURES THAT THEY SERVE.
2. ALL LIGHTING CIRCUIT CONTACTORS IN THE MUSCO CONTROL & MONITORING SYSTEM REQUIRE LINE POWER AND OVERCURRENT PROTECTION FROM AN ELECTRICAL DISTRIBUTION PANELBOARD AND CIRCUIT BREAKER AS SHOWN ABOVE.
3. A DEDICATED CONTROL POWER CIRCUIT IS REQUIRED TO SERVE THE MUSCO CONTROL & MONITORING SYSTEM AND MUST BE IN SEPARATE CONDUIT FROM THE LINE AND LOAD POWER WIRING.

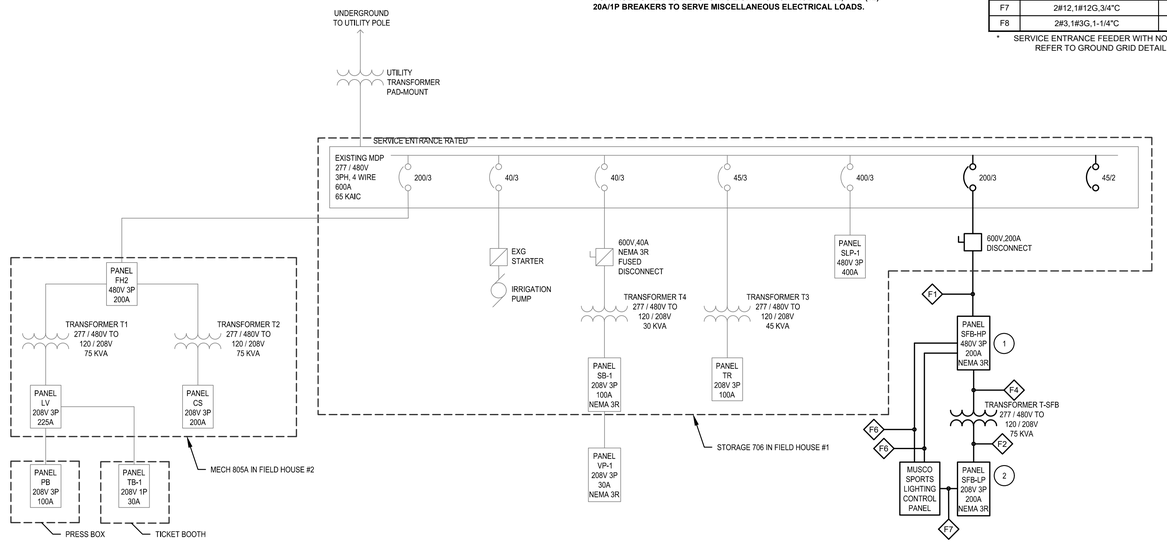
(#) ONE-LINE DIAGRAM NOTES:

1. **FOR PANEL SFB-HP, PROVIDE 200A MCB, 480/277V, 3-PHASE, 4-WIRE, NEMA 3R RATED, 30 SPACE PANEL BOARD IN LOCATION SHOWN ON ELECTRICAL SITE PLAN. PROVIDE PANEL BOARD WITH (1) 90A/3P BREAKER TO SERVE TRANSFORMER T-SFB AND (2) 30A/2P BREAKERS TO SERVE NEW SOFTBALL SPORTS LIGHTING CONTROL PANEL CONTACTORS (BY OTHERS).**
2. **FOR PANEL SFB-LP, PROVIDE 200A MCB, 208/120V, 3-PHASE, 4-WIRE, NEMA 3R RATED, 30 SPACE PANEL BOARD IN LOCATION SHOWN ON ELECTRICAL SITE PLAN. PROVIDE PANEL BOARD WITH (1) 20A/1P BREAKER TO PROVIDE CONTROL POWER TO THE SPORTS LIGHTING CONTROL PANEL, AND (12) 20A/1P BREAKERS TO SERVE MISCELLANEOUS ELECTRICAL LOADS.**

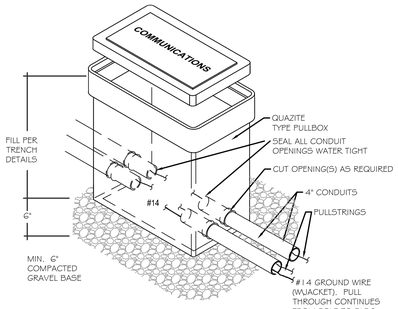
FEEDER SCHEDULE

NAME ◇	DESCRIPTION	MAX. AMPERAGE ASSUMES NO VOLTAGE DROP
F1	4-#250, 1-#4G, 4"C	200
F2	4-#3/0, 1-#6G, 2 1/2"C	200
F3	3-#2/0, 1-#2/0G, 2"C	100
F4	3-#1, 1-#8G, 1 1/2"C	100
F5	2#6,1#8G,1"C	45
F6	3#10,1#10G,1"C	30
F7	2#12,1#12G,3/4"C	20
F8	2#3,1#3G,1-1/4"C	100

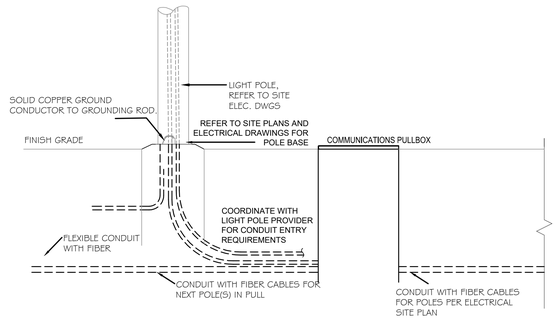
* SERVICE ENTRANCE FEEDER WITH NO GROUND. REFER TO GROUND GRID DETAIL.



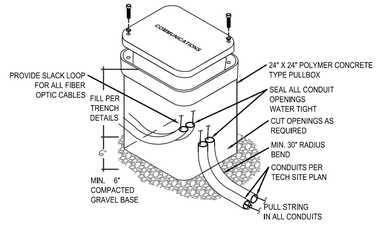
5 POWER ONE-LINE DIAGRAM
SCALE: N.T.S.



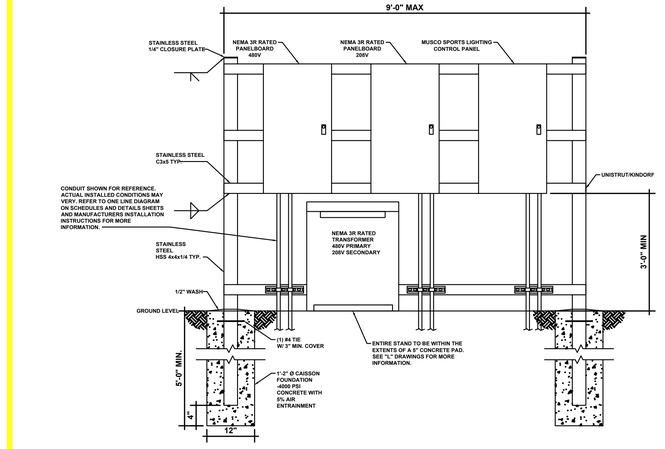
4 PULLBOX DETAIL
SCALE: N.T.S.



3 CONDUIT TO POLE DETAIL
SCALE: N.T.S.



2 PULLBOX DETAIL AT POLES
SCALE: N.T.S.



1 FIELD HOUSE POWER/SPORTS LIGHTING CONTROL STAND
SCALE: N.T.S.

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

#	DATE:	DESCRIPTION OF REVISION:
1	2/3/2023	ISSUE FOR BID

DRAWN BY: KMH
CHECKED BY: LR
DATE: 4/4/2022
SCALE: AS NOTED

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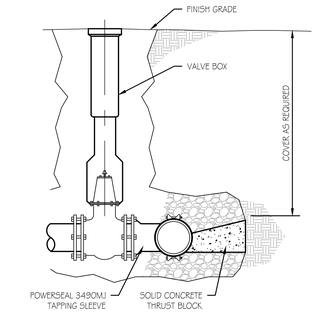
ELECTRICAL SCHEDULES & DETAILS

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS
ELMIRA CITY SCHOOL DISTRICT
777 S MAIN ST, ELMIRA, NY 14904

EHS 07-06-00-01-0-016-005, Fieldhouse #1; 07-06-00-01-0-044-002, Press Box @ Baseball; 07-06-00-01-7-065-001, Press Box @ Softball; 07-06-00-01-7-065-001

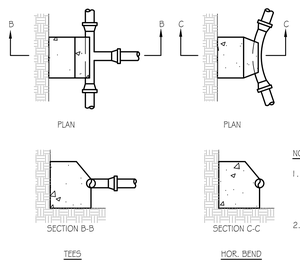
E3.1

PROJECT NO: 2012-238



NOTES:

1. SEE TRENCH RESTORATION DETAILS FOR BEDDING, BACKFILL, AND COMPACTION.

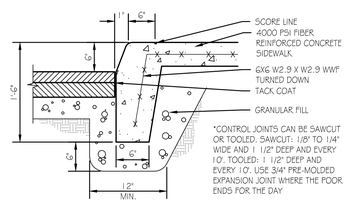


PIPE DIA. (INCHES)	HORIZ. THRUST BLOCK AREA - S.F. 100 P.S.I.G. INTERNAL PRESSURE						
	PLUG OR TEE	90° BEND	60° BEND	45° BEND	30° BEND	22 1/2° BEND	11 1/4° BEND
4	1	1	1	1	-	-	-
6	2	2	2	1	1	-	-
8	3	3	3	2	1	1	-
10	4.5	6	4	3	2.5	2	1
12	6	8	6	4	3	2	1
14 & 16	10	14	10	8	5	4	2

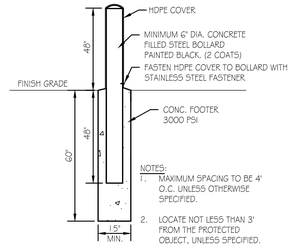
NOTES:

1. ALL THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH. ALL THRUST BLOCKS TO BE FORMED TO AVOID CONCRETE CONTACT WITH BOLT HEADS OR NUTS.
2. CONCRETE MIN. COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS.
3. THE CONTRACTOR SHOULD ALWAYS CONSIDER TEST PRESSURES WHEN CALCULATING BEARING AREA.
4. THRUST BLOCKS SHALL BE POURED AT ALL BENDS AND TAPPING SLEEVE AND VALVE CONNECTIONS

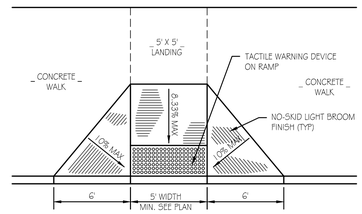
12 THRUST BLOCK DETAILS
SCALE: N.T.S.



11 CONCRETE INTEGRAL CURB DETAIL
SCALE: N.T.S.

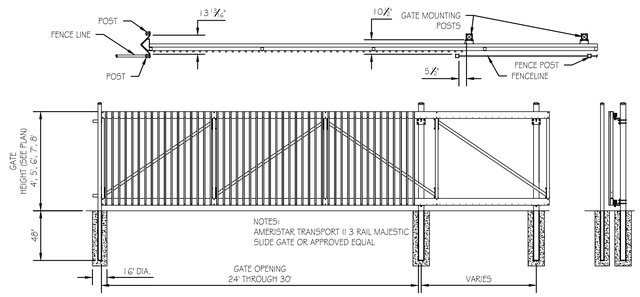


10 STEEL BOLLARD DETAIL
SCALE: N.T.S.

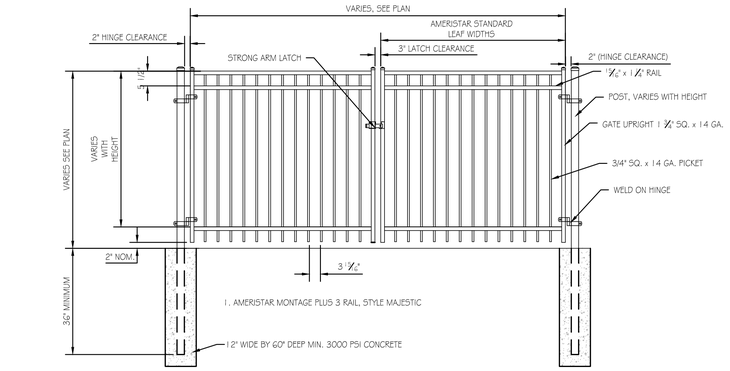


9 ADA ACCESSIBLE CURB RAMP LAYOUTS
SCALE: N.T.S.

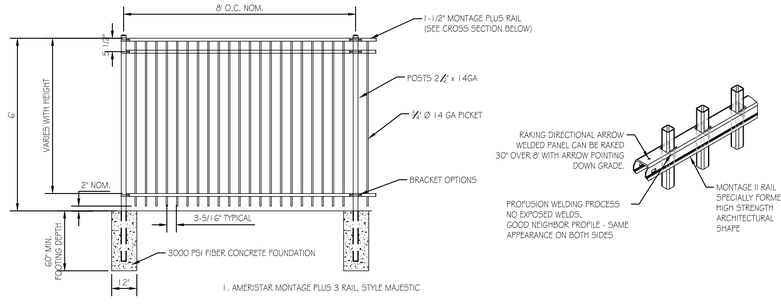
13 TAPPING SLEEVE
SCALE: N.T.S.

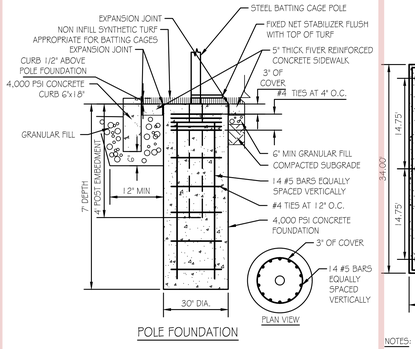


8 ORNAMENTAL SLIDEGATE DETAIL
SCALE: N.T.S.

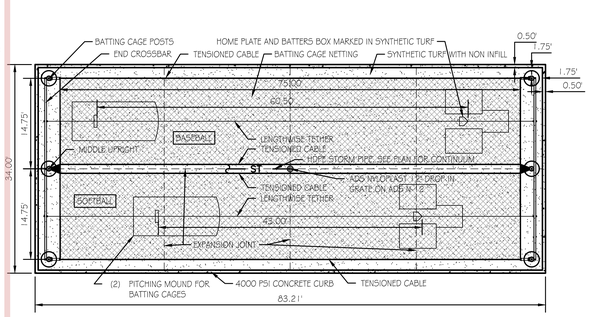


7 ORNAMENTAL DOUBLE GATE DETAIL
SCALE: N.T.S.





POLE FOUNDATION

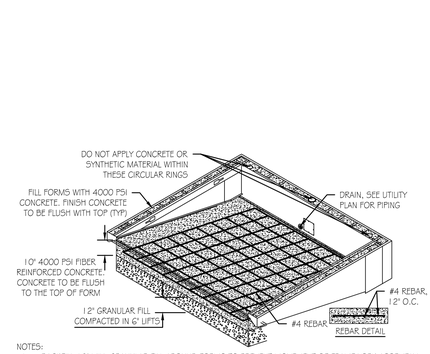


TYPE	MODEL	NET LENGTH	POLE TO POLE
SINGLE TUNNEL	BTTBS	75'-0"	78'-8 5/8"

NOTES:

1. BATTING TUNNEL TO BE DOUBLE WIDTH BATTING TUNNEL BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL.
2. FOUNDATIONS ARE DESIGNED BASED ON SPORTSFIELD SPECIALTIES BASEBALL DOUBLE TENSION OVERHEAD BATTING TUNNEL. IF ANOTHER SUPPLIER IS USED CONTRACTOR WILL BE RESPONSIBLE FOR HAVING FOUNDATION DESIGNED BY A PROFESSIONAL ENGINEER AND INSTALLING TO ANY ADDITIONAL REQUIREMENTS OF THAT DESIGN.
3. PITCHING MOUNDS TO BE BULLPEN MOUND WITH GREEN SYNTHETIC INFILL TURF BY SPORTSFIELD SPECIALTIES MODEL PPBGIT, OR APPROVED EQUAL

5 BASEBALL BATTING TUNNEL PLAN
SCALE: N.T.S.

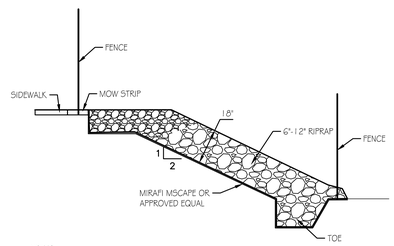


NOTES:

1. BACKFILL 12" MIN. GRANULAR FILL AROUND FORMS TO PREVENT MOVEMENT OF FRAMEWORK ASSEMBLY
2. TRACK SURFACING IS TO BE FINISHED TO THE UPPERMOST SURFACE OF THE FORM AND TO THE TOP OF CONCRETE PAD AND BOTTOM OF FORM SCREEN EDGE.
3. STEEPLECHASE TO BE SPORTSFIELD SPECIALTIES MODEL SCWJFS OR APPROVED EQUAL
4. PROVIDE ALUMINUM COVERS WITH TRACK SURFACING, AND HURDLE BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL.

4 STEEPLECHASE DETAIL
SCALE: N.T.S.

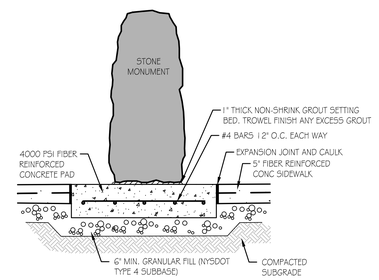
6 ORNAMENTAL FENCE DETAILS
SCALE: N.T.S.



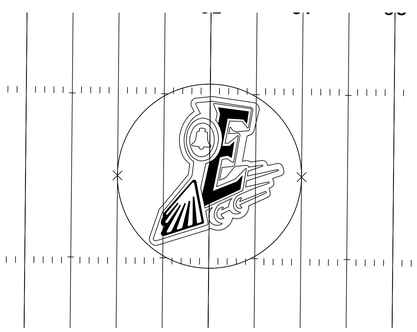
NOTES:

1. SLOPE SHALL BE GRADED TO 2:1 OR FLATTER PRIOR TO PLACING FILTER, FILTER FABRIC, OR RIPRAP.
2. RIPRAP SHALL BE PLACED TO MAINTAIN A UNIFORM GRADATION. LARGER STONE SHALL BE PLACED AT THE TOE.
3. ENDS OF THE RIPRAP SHALL BE KEYED INTO A STABLE BANK. WHEN TYING INTO OTHER STRUCTURES, LARGER RIPRAP CAN BE LAID IN STEPS OR STACKED AS NEEDED TO FIT.
4. REMAINING DISTURBED AREAS SHALL BE GRADED AND PERMANENTLY SEEDED AND MULCHED.

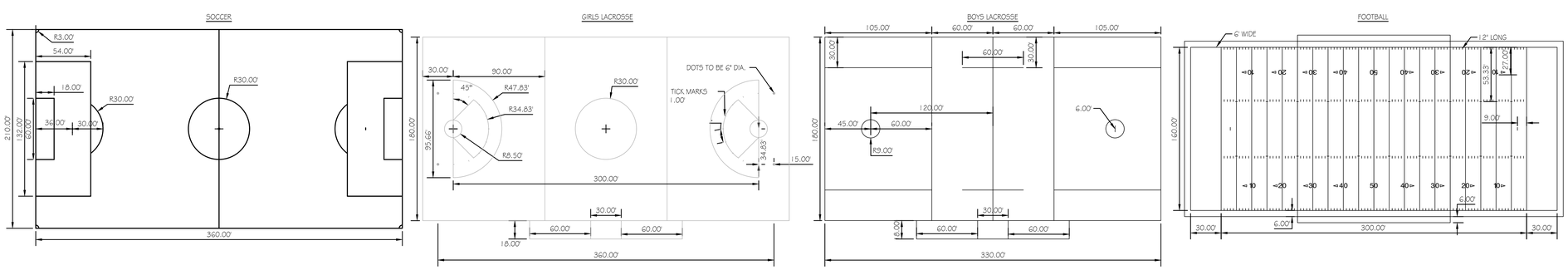
3 BANK RIPRAP PROTECTION DETAIL
SCALE: N.T.S.



2 STONE MONUMENT
SCALE: N.T.S.



1 SPORTS FIELDS LINE STRIPING
SCALE: N.T.S.



DRAWN BY :	SSV
CHECKED BY :	LG
DATE :	6/30/2020
SCALE :	AS NOTED

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	

Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architect's Seal, Is A Violation Of Section 7209, Subdivision 2 Of The New York State Education Law.
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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 Ph 607-358-1000 Fx 607-358-1800 Offices Rochester | Horseheads | Towanda

SITE DETAILS

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS

ELMIRA CITY SCHOOL DISTRICT

777 SOUTH MAIN STREET, ELMIRA, NY 14904

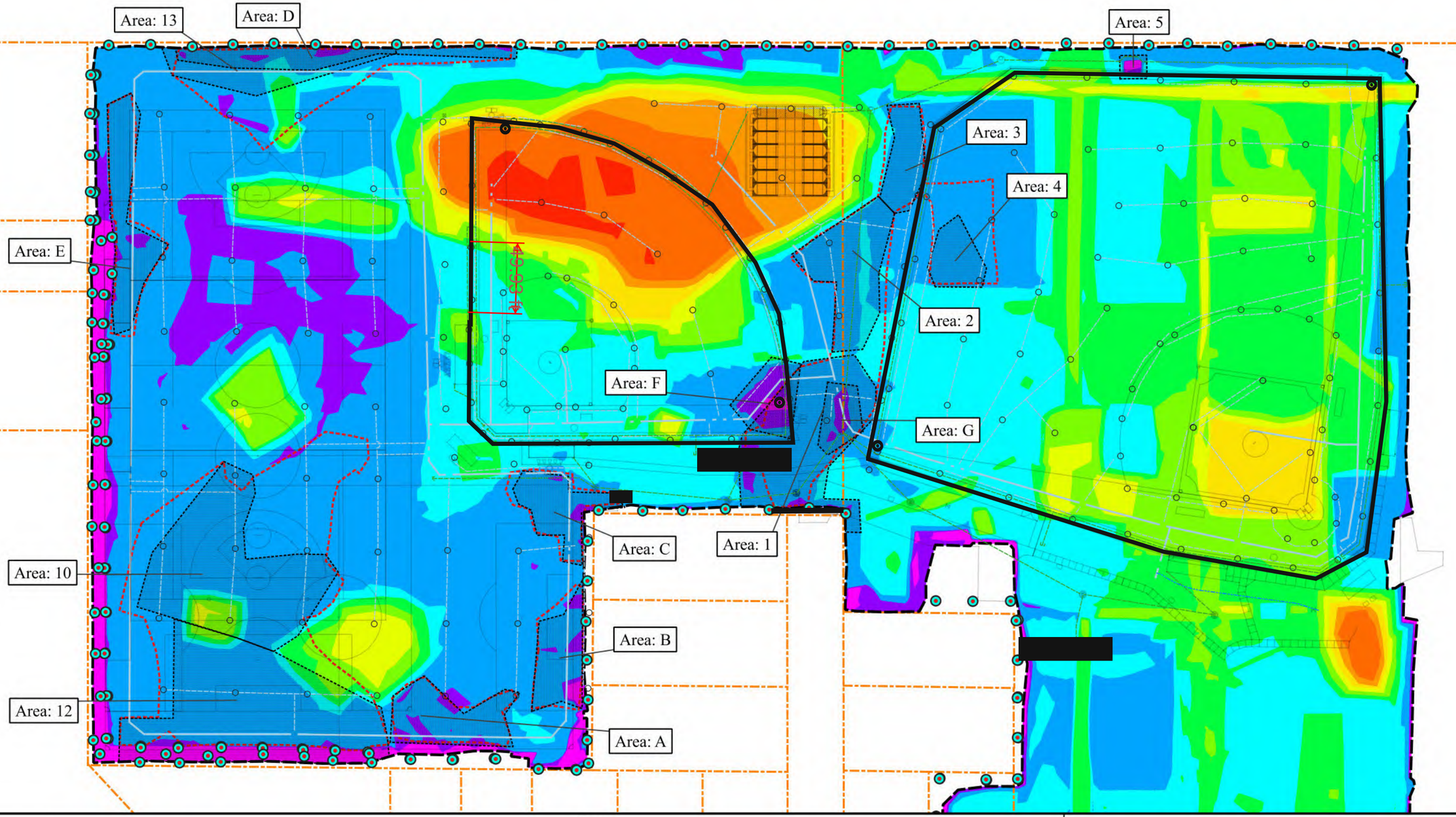
L6.3

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE # SED # 07-06-00-01-2-044-002 / FIELDHOUSE # SED # 07-06-00-01-7-079-001 / PRESBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-079-001 / FIELDHOUSE # SED # 07-06-00-01-7-081-001 / FIELDHOUSE # SED # 07-06-00-01-7-078-001

APPENDIX C

SUMMARY OF ENVIRONMENTAL CONDITIONS



Legend

- 2023-05-05 IRM-5A2 Limit of Excavation
- 2023-04-13 HUNT Base Features
- 2023-04-13 HUNT Storm Water Line
- 2023-04-13 HUNT Water Line (Shortened)
- Metes & Bounds Property Line
- Soil Cover Verification Location
- 2023-05-23 Irrigation Head
- 2023-05-23 Irrigation Lateral
- 2023-05-23 Irrigation Main
- 2023-05-05 Field Verified Scraping Area
- Addendum 8 Phase 1 Scrapping Area
- Addendum 8 Phase 2 Scrapping Area

Cover Thickness (ft)

0 - 2
2 - 2.5
2.5 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
18 - 20

Notes:

1) Estimated cover thickness estimated from final grade surface as shown in Attachment 2 - NAF Improvement Plans, Drawings L4.1/L4.2 - Site Grading Plan and provided in HUNT DWG "SITE-NEW-3D.dwg" dated 04-13-23 and subgrade surface provided in RECON DWG "IRM5A2-SG_5-5-2023" dated 05-05-23.
2) Base, Storm Water and Water Line features from HUNT DWG "SITE-NEW-2D BASEBID.dwg" dated 04-13-23.
3) Irrigation details from Marathon Engineering DWG "0980 EHS Irrigation.dwg" dated 05-23-23.
4) ft and ' = feet, SF = Square Feet, CY = Cubic Yards.
5)Addendum 8 field verified scrapping areas from RECON DWG "IRM5A2-SG_5-5-2023" dated 05-05-23

N W S E

0 35 70 ft

Comparison of As-Built Subgrade Elevations to Proposed NAF Final Grades (04/13/23)

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | June 6, 2022

Figure 1

APPENDIX D

HAUL ROUTE & CAMP LOCATIONS

HAUL ROUTE FOR UNCHARACTERIZED SOIL

TEMPORATY ONSITE STAGING AREA FOR LINED ROLL-OFFS PENDING CHARACTERIZATION

GENERAL NOTES

A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING. SEE SCHEDULE.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. (ALTERNATE 6) PROVIDE 8' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION. SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE, SEE DETAIL 7/L6.3.
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 3/L6.2.
9. (ALTERNATE 4) PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK). SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 4/L6.2.
11. NOT USED
12. NOT USED
13. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO, SEE DETAILS 4&8/L6.3.
14. PROVIDE A 45' LONG, 8' TALL VINYL COATED CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4. 8' TALL VINYL COATED.
15. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
16. PROVIDE 20' TALL FOUL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL, SEE DETAIL 10/L6.3.
17. (ALTERNATE 5) PROVIDE 6' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION, SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
18. DURAEDGE CLAY INFIELD MIX, SEE DETAIL 5/L6.4.
19. (ALTERNATE 7) BASEBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 5&6/L6.4. MOUND MASTER CLAY BLOCK BY OWNER.
20. (BY DISTRICT) SITE TO BE REESTABLISHED WITH TOPSOIL, SEED/SOD, SEE DETAIL 9/L6.3.
21. (ALTERNATE 3) BASEBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
(ALTERNATE 2) SOFTBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
22. BASEBALL DUGOUT FOUNDATIONS BY OTHERS.
23. (ALTERNATE 11) PROVIDE SOFTBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 4,5&6/L6.4.
24. (ALTERNATE 9) SOFTBALL DUGOUT FOUNDATIONS, SEE STRUCTURAL.
25. (ALTERNATE 12) PROVIDE SOD AT BASEBALL AND SOFTBALL FIELDS.
26. 5" THICK CONCRETE SLAB FOR ELECTRICAL PANELS. COORDINATE SIZE WITH ELECTRICAL CONTRACTOR, SEE DETAIL 2/L6.3.

6' CHAIN LINK FENCE
TOUNG SAFETY STRUCTURE
BASEBALL FIELD
SOFTBALL FIELD
12' CHAIN LINK FENCE
6' CHAIN LINK FENCE
EDGE OF WOODED AREA
OGORMAN STREET
CONCRETE SIDEWALK
YARD HYDRANT
FIELDHOUSE
FIELDHOUSE #1 - SED # 07-06-00-01-3-044-003
MAINTENANCE VEHICLES ONLY
DRYWELL
TF856.26
TF856.24
TF856.30
TF855.60

1 SITE IMPROVEMENT PLAN
SCALE: 1" = 30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

EHS: 07-06-00-01-0-015-026; Fieldhouse #1: 07-06-00-01-3-044-003; Press Box @ Baseball: 07-06-00-01-2-082-001; Press Box @ Softball: 07-06-00-01-7-083-001

STATE OF NEW YORK
TIMOTHY KANE SHEA
NO. 080085
LICENSED PROFESSIONAL ENGINEER
EXP. 11/30/2023

Copyright 2022

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/16/2023	ADDENDUM #1	
	3/28/23	REVISION PER DEC COMMENTS	

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868

SITE IMPROVEMENT PLAN

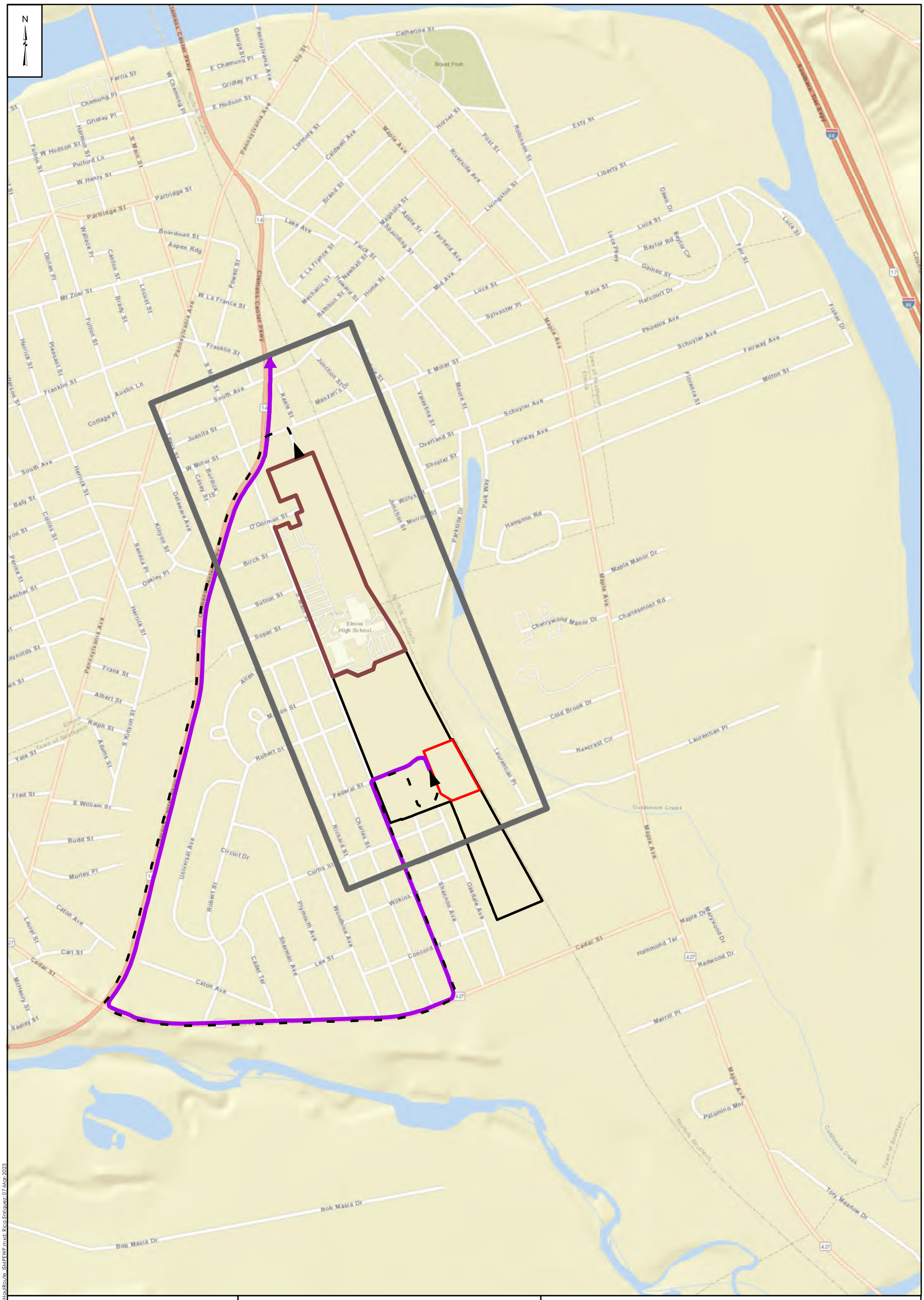
2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L2.2

PROJECT NO: 2012-238



Intra-Site Transport

EHS Site Boundary

STCC Property Boundary

Off-Site MSA

Notes

Routes have been selected to avoid planned road construction in Elmira during the IRM, difficult traffic areas as well as to utilize routes with the most marked pedestrian crossings to ensure maximum safety.

1,000 500 0 1,000 Feet

Truck Haul Route
ISMP EWP Notification

Former Sperry Remington Site – North Portion
Elmira, New York

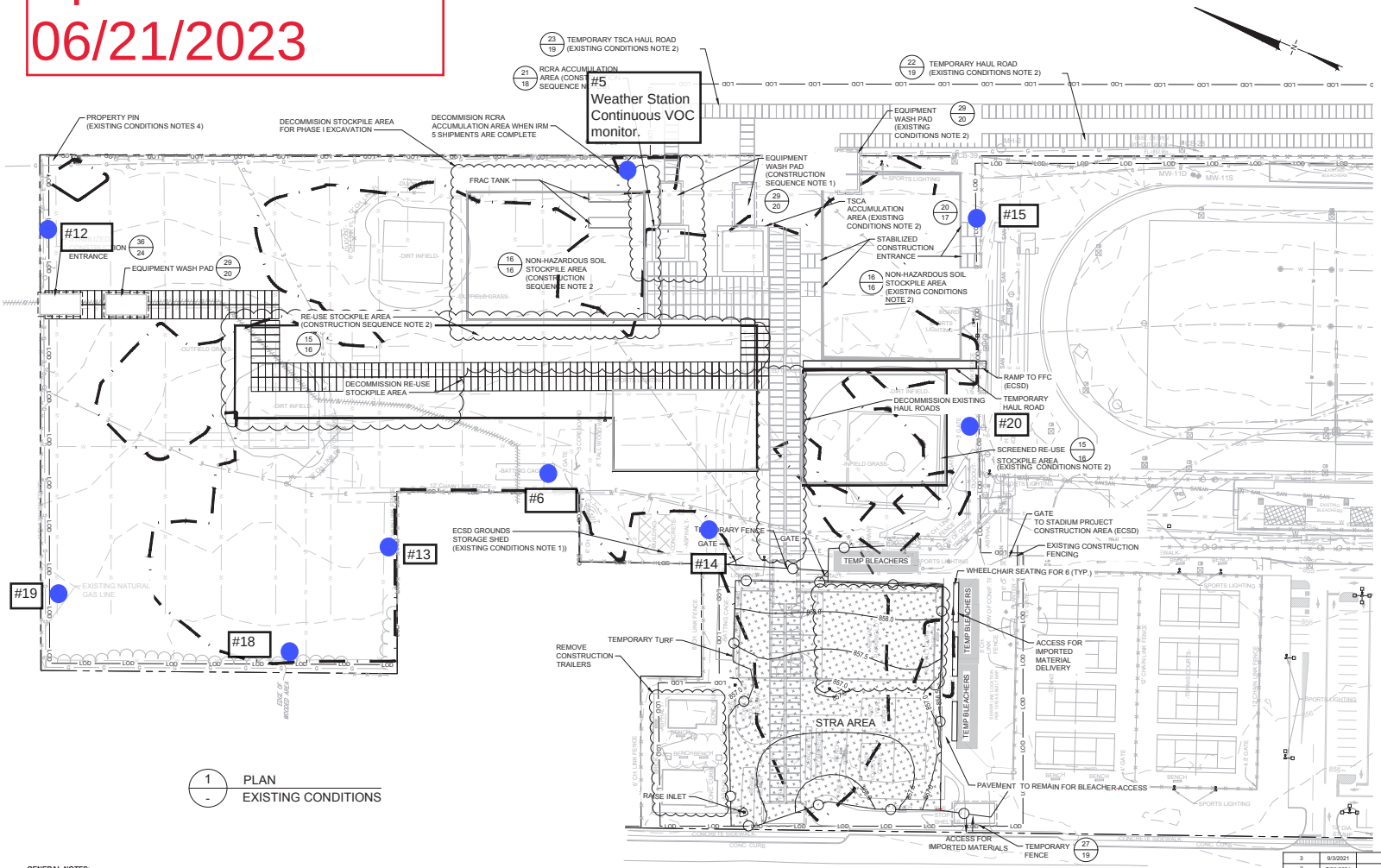
B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | March 2023

Figure **2**

\\Minneapolis-01\data\GIS\Elmira - MN0832\Maps\Addendum A\Figure_2_TruckHaulRoute_ISMPEWP.mxd: Rico.Enriquez: 07-Mar-2023

Updated
06/21/2023



1 PLAN
EXISTING CONDITIONS

LEGEND

- MANHOLE
- CATCH BASIN
- MANHOLE
- CULVERT PIPE
- CHAIN LINK FENCE
- WOODEN FENCE
- PROPERTY LINE
- EXISTING CONTOUR LINE
- EDGE OF WATER
- EDGE OF WOODS OR BRUSH
- BURIED ELECTRIC CABLE
- SANITARY SEWER
- STORM SEWER
- NATURAL GAS LINE
- DEACTIVATED GAS LINE
- WATER LINE
- BURIED FIBER OPTIC CABLE
- EXCAVATION LIMITS
- LIMIT OF DISTURBANCE
- TREE



0 50' 100'
SCALE IN FEET

GENERAL NOTES:

1. EXISTING TOPOGRAPHY IS FROM:
   a. A TOPOGRAPHIC SURVEY OF ELMIRA HIGH SCHOOL BY HUNT ENGINEERS, ARCHITECTS, AND SURVEYORS IN SEPTEMBER 2016. VERTICAL CONTROL IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88/GEOID 12A), HORIZONTAL CONTROL IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83/NA 2011).
   b. A TOPOGRAPHIC SURVEY OF ELMIRA HIGH SCHOOL BY FAGAN ENGINEERS IN MAY 2019 -18064-A SENT 2019-5-24.DWG
2. UNDERGROUND UTILITIES SHOWN WERE MAPPED USING A COMBINATION OF FIELD LOCATED EVIDENCE AND EXISTING UTILITY MAPS. THE ACCURACY OF THESE UTILITY LOCATIONS CANNOT BE GUARANTEED. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BEFORE EXCAVATING. CALL 'DIG SAFELY NEW YORK' 1-800-962-7962.
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPROVED IRM WORK PLAN AND AMENDMENTS. ANY PROPOSED MODIFICATION TO THE WORK PLAN MUST BE APPROVED BY NYSDEC.
4. CONSTRUCTION TRAFFIC PATTERNS MAY BE MODIFIED BY CONTRACTOR AS NECESSARY SUBJECT TO ENGINEER APPROVAL.
5. TEMPORARY TSCA TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING SOILS WITH ≥ 50 MG/KG PCBS TO THE TSCA ACCUMULATION AREA.
6. TREES AND WOODY VEGETATION SHALL BE CUT FLUSH WITH THE GROUND SURFACE AND DISPOSED OF OFF-SITE AT A PERMITTED LAND CLEARING MANAGEMENT FACILITY. ROOT BALLS SHALL BE MANAGED IN ACCORDANCE WITH THE SOILS MANAGEMENT PLAN. STUMPS SHALL BE GROUND UP IN-PLACE AND WOOD CHIPS MANAGED WITH THE SOILS MANAGEMENT PLAN.
7. CONTRACTOR SHALL INSTALL TEMPORARY 6-FOOT TALL CHAIN LINK FENCING AROUND THE LIMITS OF DISTURBANCE. FENCING SHALL INCLUDE VISUAL SCREENING.
8. CONTRACTOR SHALL PLACE AND MAINTAIN BOOT DECONTAMINATION STATIONS AT THE EDGE OF EXCLUSION ZONES FOR BETWEEN THE IRM EXCAVATION AREAS AND TRAILERS IN ORDER TO PREVENT FOOT TRAFFIC FROM TRACKING IMPACTED SOILS FROM EXCAVATIONS TO OFF-SITE TRAILERS (LOCATED WITHIN THE VFW PARKING AREA).

EXISTING CONDITIONS NOTES:

1. CONTRACTOR SHALL MAINTAIN ACCESS ECSD PERSONNEL TO GROUNDS STORAGE SHED AND CONCESSION STAND STORAGE.
2. TEMPORARY FACILITIES CONSTRUCTED DURING IRM #4 AND IRM #5 WILL BE UTILIZED AS SHOWN.
3. CONTRACTOR SHALL PROTECT EXISTING MONITORING WELLS WITHIN THE LIMIT OF DISTURBANCE DURING CONSTRUCTION AND RESTORE ACCESS DURING SITE RESTORATION.
4. CONTRACTOR SHALL MAINTAIN PROPERTY PIN IN NORTHEAST CORNER OF SITE OR INSTALL NEW PIN AT END OF PROJECT IF IMPACTED DURING CONSTRUCTION.

CONSTRUCTION SEQUENCE:

1. INSTALL/MAINTAIN TEMPORARY SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH APPROVED SWPPP.
2. DECOMMISSION AND DECONSTRUCT TEMPORARY HAUL ROADS AND STOCKPILE AREAS AS SHOWN.
3. DECOMMISSION AND DECONSTRUCT RCRA ACCUMULATION AREA AFTER IRM 5 RCRA WASTE SHIPMENTS HAVE BEEN COMPLETED.

PM10 Air Monitor

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
3	9/3/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
2	7/20/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geomatrix Consultants

UNISYS

TITLE: EXISTING CONDITIONS

PROJECT: INTERIM REMEDIATION MEASURE #5
AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

SIGNATURE
9/3/2021
DATE

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN08321
CHECKED BY:	TBR	FILE:	MN08321-503-01
REVIEWED BY:	AK	DRAWING NO.:	2 OF 24
APPROVED BY:			

P:\cadd\PROJECTS\EU\Imyc - Elmira NY (MN08320)\MN8321 IRM\MN08321-503-01.dwg
tbyrnes - 9/3/2021 3:46 PM

Sterling Environmental Engineering, P.C.

March 1, 2024

Ms. Kaleigh Zappia via email (kaleigh.zappia@dec.ny.gov)
New York State Department of Environmental Conservation
Division of Environmental Remediation – Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9516

Subject: Corrective Measures Work Plan
Softball Field Perimeter Fence Drain
Former Sperry Remington Site – North Portion (#C808022)
777 South Main Street, City of Elmira, Chemung County, NY
STERLING File #2021-01

Dear Ms. Zappia,

On behalf of the Elmira City School District (ECSD), Sterling Environmental Engineering, P.C. (STERLING) submits this Corrective Measures Work Plan to address damage to the stormwater French drain that occurred on January 11, 2024 during installation of a fence post for the softball field batting cage. The softball batting cage location is identified on the attached aerial map of the North Athletic Fields. The exact post location is identified on the attached survey map that includes the depth of imported material above native subgrade. As indicated in the survey map, the location of the damaged drain pipe has 7.85 feet of imported material. The fence post depth is entirely within imported backfill material and not into potentially impacted native soil. Fence post installation proceeded in accordance with the New York State Department of Environmental Conservation (NYSDEC) Approved as Modified dated July 20, 2023 for the North Athletic Fields Restoration Augering Activities Excavation Work Plan Notification.

Summary of Damage

On January 11, 2024, the perforated drainage pipe associated with the softball field perimeter French drain was encountered while augering the southwest batting cage post. Approximately 4 feet of perforated drainage pipe was removed by the auger as shown in the attached photograph log. The auger also penetrated and removed the impermeable drainage liner beneath the drainage pipe.

ECSD notified Geosyntec and NYSDEC onsite personnel of the damage and proceeded to set the batting cage post in concrete up to the depth of the damaged drainage pipe. The foundation hole was left open to the depth of the drainage pipe pending direction on necessary repairs.

Corrective Measures

The following corrective measures are proposed to repair the damaged drainage pipe and liner:

- Excavate a shallow trench approximately 16 inches deep to expose the damaged pipe section. The excavation will extend east/west until at least 12 inches of intact drainage pipe is encountered. The trench length is expected to be approximately 6 feet long. The excavation is expected to require the removal of approximately 0.4 CY of imported material for reuse following repair of the liner and drainage pipe. Excavated material will be staged on poly sheeting and covered when not in use or while being staged overnight. Due to the limited excavation, dust generation is not expected; however, dust suppression will be implemented if needed.

- If native soils are encountered, work will immediately stop and NYSDEC will be notified. Work will not resume until a Community Air Monitoring Plan (CAMP) is established and approved by NYSDEC and NYSDOH.
- Install new impermeable liner within the base of the trench and overlapping 12 inches to the east/west onto intact liner. ECSD will notify NYSDEC when the liner is installed to allow NYSDEC to inspect the overlap. The repaired liner will be surveyed by a NYS licensed surveyor to allow documentation to be included in the Construction Completion Report.
- Install a new section of perforated drainage pipe above the impermeable liner and connecting to the existing drainage pipe to the east/west.
- Backfill the trench using the same excavated material.

Schedule

Response actions will be implemented immediately following NYSDEC approval.

Following completion of all response actions, a final letter report will be prepared for submittal to NYSDEC that documents the completed work.

Please contact me with any questions regarding this Work Plan.

Very truly yours,
STERLING ENVIRONMENTAL ENGINEERING, P.C.



Digitally signed by
Andrew Millspaugh
Date: 2024.03.01
14:39:10-05'00'

Andrew M. Millspaugh, P.E.
Vice President
Andrew.Millspaugh@sterlingenvironmental.com

Email
Attachments

S:\Sterling\Projects\2021 Projects\Elmira High School - 2021-01\Reports\ISMP Notifications\NAF Restoration\Augering\CMWP\2024-03-01_ECSD Batting Cage CMWP.docx

ATTACHMENT 1

BATTING CAGE POST LOCATION MAP


Softball Batting Cage
Drainage Pipe Repair
Location

ATTACHMENT 2

BATTING CAGE POST SURVEY MAP

Location of Damaged Drain Pipe

Survey: 856.05
SG: 839.23
Diff: 16.82

Survey: 856.17
SG: 839.31
Diff: 16.87

Survey: 856.39
SG: 839.29
Diff: 17.10

Survey: 856.41
SG: 846.94
Diff: 9.48

Survey: 856.76
SG: 847.25
Diff: 9.52

Survey: 855.25
SG: 839.22
Diff: 16.03

Survey: 856.93
SG: 839.22
Diff: 17.70

Survey: 855.75
SG: 848.44
Diff: 7.31

Survey: 856.50
SG: 848.65
Diff: 7.85

Survey: 857.46
SG: 847.21
Diff: 10.25

Survey: 855.27
SG: 839.20
Diff: 16.07

Survey: 856.90
SG: 839.19
Diff: 17.72

Survey: 855.53
SG: 847.19
Diff: 8.34

Survey: 855.63
SG: 848.48
Diff: 7.15

Survey: 857.28
SG: 846.42
Diff: 10.86

Survey: 855.38
SG: 846.65
Diff: 8.73

Survey: 857.51
SG: 848.51
Diff: 9.00

Survey: 857.18
SG: 848.43
Diff: 8.75

Survey: 855.59
SG: 848.23
Diff: 7.35

Survey: 852.96
Diff: 4.48

Survey: 857.63
SG: 852.85
Diff: 4.78

Survey: 855.73
SG: 852.63
Diff: 3.10

Survey: 856.32
SG: 852.93
Diff: 3.39

Survey: 856.37
SG: 852.89
Diff: 3.48

Survey: 857.78
SG: 852.66
Diff: 5.12

Survey: 855.94
SG: 852.56
Diff: 3.38

Survey: 857.68
SG: 852.54
Diff: 5.14

Survey: 855.16
SG: 839.35
Diff: 15.81

Survey: 856.29
SG: 841.29
Diff: 15.00

Survey: 855.11
SG: 840.92
Diff: 14.19

Survey: 856.36
SG: 839.28
Diff: 17.08

Survey: 856.51
SG: 841.75
Diff: 14.76

Survey: 856.30
SG: 843.01
Diff: 13.29

Survey: 855.27
SG: 843.05
Diff: 12.22

Survey: 854.74
SG: 841.39
Diff: 13.34

Survey: 856.50
SG: 841.47
Diff: 15.02

Survey: 855.34
SG: 842.94
Diff: 12.40

Survey: 856.34
SG: 839.26
Diff: 17.08

Survey: 855.08
SG: 843.55
Diff: 11.53

Survey: 855.03
SG: 844.86
Diff: 10.16

Survey: 856.30
SG: 845.16
Diff: 11.14

Survey: 854.93
SG: 839.77
Diff: 15.16

Survey: 856.59
SG: 843.20
Diff: 13.39

Legend

- 2023-06-22 HUNT Base Features
- 2023-10-11 Trench Border
- 2023-10-11 Trench Survey Points
- 2023-10-12 IRM5A2 Subgrade Contour
- 2024-02-16 Softball Batting Cage Posts

Notes:

1) Subgrade surface provided in RECON DWG "IRM5A2-SG_8-18-2023_Area F.dwg" dated 10-12-23.
2) Base features from HUNT DWG "SITE-NEW-2D BASEBID.dwg" dated 06-22-23.
3) Softball Batting Cage locations and survey elevations from "SB BAT CAGE POSTS_2-16-24.csv"
4) Trench survey points, elevations and border from "Trenches_10-11-2023.dwg"
5) "Diff" is the difference between the survey elevations and the subgrade elevations (Survey elevation minus Subgrade elevations).
6) SG = subgrade
7) Survey = Elevation provided in above referenced notes 3 and 4.

0 5 10 ft

NAF Softball Batting Cage Posts & Trenches

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | February 25, 2024

Figure 1

ATTACHMENT 3

PHOTOGRAPH LOG

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project: EHS Capital Improvements – Softball Batting Cage French Drain Damage

Photo By: Joe Magliocca, ECSD Personnel

Photo No.	Date	Time
1	01/12/24	8:59am
Direction Looking:	East-Southeast	

Comments:

Southwest batting cage post with 4-ft length of damaged drainage pipe removed.



Photo No.	Date	Time
2	01/12/24	10:16am
Direction Looking:	NA	

Comments:

Location of drainage pipe in relation to softball field perimeter fence.



McKenzie Pearson

From: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>
Sent: Friday, September 12, 2025 12:06 PM
To: Andrew Millspaugh
Cc: Howe, Martin R; Etter, Terry R.; Jen Huha; Eric Tollefsrud; Kyle Cunningham; Miranda Stelmach; Magliocca, Joseph; Amanda Castignetti; Cyr, Scott; Pratt, David (DEC); Bogardus, Sara (HEALTH); Dolan, Michele (HEALTH); Deming, Justin H (HEALTH); michael.cruden; McCartney, W Scott; Bonsteel, Nicole; Whelan, Vincent; Fizzano, Thomas; Granato, Donald; brandon.glowark; Howe, Alexander; Grasmeyer, Luke; Aron Krasnopoler
Subject: RE: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

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Hi Andrew –

The Agency has reviewed the reuse characterization results (Batting Cages) and find them acceptable. The soils may be transported and properly stored at the MSA for future use. The soils may not be used on adjacent sites.

Thank-you,

Kaleigh Zappia - Carvin
Assistant Engineer (Environmental)

New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road, Avon, NY 14414
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You can send me files here: https://mysend.ny.gov:443/nys/send/to/user/kaleighzappiadecnygov

---

From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Wednesday, September 10, 2025 11:03 AM
To: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>
Cc: Howe, Martin R <martin.howe@unisys.com>; Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Eric Tollefsrud <ETollefsrud@Geosyntec.com>; Kyle Cunningham <Kyle.Cunningham@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Magliocca, Joseph <JMAGLIOCCA@elmiracityschools.com>; Amanda.Castignetti@SterlingEnvironmental.com; Cyr, Scott <cyrs@hunt-eas.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Dolan, Michele (HEALTH) <Michele.Dolan@health.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Fizzano, Thomas <thomas.fizzano@wsp.com>; Granato, Donald <donald.granato@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Howe, Alexander <alexander.howe@wsp.com>; Grasmeyer, Luke <grasmeyerl@hunt-

eas.com>; akrasnopoler@geosyntec.com
Subject: RE: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

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Hi Kaleigh,

I am following up on the batting cage IMSP soil if the Department has reviewed the data for relocating the soil to STCC to support future IRMs.

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
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www.sterlingenvironmental.com

From: Andrew Millspaugh
Sent: Tuesday, July 8, 2025 6:14 PM
To: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>
Cc: Howe, Martin R <martin.howe@unisys.com>; Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Eric Tollefsrud <ETollefsrud@Geosyntec.com>; Kyle Cunningham <Kyle.Cunningham@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Magliocca, Joseph <JMAGLIOCCA@elmiracityschools.com>; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Cyr, Scott <cyrs@hunt-eas.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Dolan, Michele (HEALTH) <Michele.Dolan@health.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Fizzano, Thomas <thomas.fizzano@wsp.com>; Granato, Donald <donald.granato@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Howe, Alexander <alexander.howe@wsp.com>; Grasmeyer, Luke <grasmeyerl@hunt-eas.com>; akrasnopoler@geosyntec.com
Subject: RE: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

Hi Kaleigh,

Following up on this Batting Cage ISMP, the results of the reuse characterization testing are summarized in the attached table. The soil meets onsite reuse criteria; however, ECSD does not have a use for the soil since the type and gradation are not suitable for top dressing. We have had discussions with Unisys and Geosyntec about relocating the soil to STCC to support future IRMs for excavation backfill. Is this acceptable to the Department and what approvals or logistics are necessary to move the soil? The soil is currently in one roll-off container.

Thanks,

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www.sterlingenvironmental.com

From: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>
Sent: Friday, April 4, 2025 12:59 PM
To: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Cc: Howe, Martin R <martin.howe@unisys.com>; Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Eric Tollefsrud <ETollefsrud@Geosyntec.com>; Kyle Cunningham <Kyle.Cunningham@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Magliocca, Joseph <JMAGLIOCCA@elmiracityschools.com>; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Cyr, Scott <cyrs@hunt-eas.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Dolan, Michele (HEALTH) <Michele.Dolan@health.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Fizzano, Thomas <thomas.fizzano@wsp.com>; Granato, Donald <donald.granato@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Howe, Alexander <alexander.howe@wsp.com>; Grasmeyer, Luke <grasmeyerl@hunt-eas.com>; akrasnopoler@geosyntec.com
Subject: RE: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

Hi Andrew,

Please see the attached signed activity log.

Thank-you,

Kaleigh Zappia
Assistant Engineer (Environmental)

New York State Department of Environmental Conservation
Division of Environmental Remediation
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From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Thursday, April 3, 2025 12:43 PM
To: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>
Cc: Howe, Martin R <martin.howe@unisys.com>; Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Eric Tollefsrud <ETollefsrud@Geosyntec.com>; Kyle Cunningham <Kyle.Cunningham@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Magliocca, Joseph <JMAGLIOCCA@elmiracityschools.com>; Amanda.Castignetti@SterlingEnvironmental.com; Cyr, Scott <cyrs@hunt-eas.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Dolan, Michele (HEALTH) <Michele.Dolan@health.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Fizzano, Thomas <thomas.fizzano@wsp.com>; Granato, Donald <donald.granato@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Howe, Alexander <alexander.howe@wsp.com>; Grasmeyer, Luke <grasmeyerl@hunt-eas.com>; akrasnopoler@geosyntec.com
Subject: RE: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

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Hi Kaleigh,

The conditions of your March 26, 2025 approval as modified are accepted. Please see the attached activity log for the Department's review and signature. The soil roll-off has been delivered and work is ready to begin on Monday 4/7. Sterling will provide QEP oversight and CAMP monitoring. Sterling will also collect a sample of the staged soil for reuse characterization. The ECSD contractor will sign prior to commencing work. Let me know if you have any questions.

Thanks,

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www.sterlingenvironmental.com

From: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>
Sent: Wednesday, March 26, 2025 2:45 PM
To: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Cc: Howe, Martin R <martin.howe@unisys.com>; Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Eric Tollefsrud <ETollefsrud@Geosyntec.com>; Kyle Cunningham <Kyle.Cunningham@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Magliocca, Joseph <JMAGLIOCCA@elmiracityschools.com>; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Cyr, Scott <cyrs@hunt-eas.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Dolan, Michele (HEALTH) <Michele.Dolan@health.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Fizzano, Thomas <thomas.fizzano@wsp.com>; Granato, Donald <donald.granato@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Howe, Alexander <alexander.howe@wsp.com>; Grasmeyer, Luke <grasmeyerl@hunt-eas.com>; akrasnopoler@geosyntec.com
Subject: RE: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

Hi Andrew,

Please see the attached Agency response to the ISMP Notification/Work Plan for the Batting Cage Installation - Augering Activities.

Thank-you,

Kaleigh Zappia
Assistant Engineer (Environmental)

New York State Department of Environmental Conservation
Division of Environmental Remediation
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From: Andrew Millspaugh <Andrew.Millspaugh@sterlingenvironmental.com>
Sent: Wednesday, March 19, 2025 4:39 PM
To: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Dolan, Michele (HEALTH) <Michele.Dolan@health.ny.gov>; Deming, Justin H

(HEALTH) <justin.deming@health.ny.gov>; Cruden, Michael (DEC) <michael.cruden@dec.ny.gov>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Fizzano, Thomas <thomas.fizzano@wsp.com>; Granato, Donald <donald.granato@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Howe, Alexander <alexander.howe@wsp.com>
Cc: Howe, Martin R <martin.howe@unisys.com>; Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Eric Tollefsrud <ETollefsrud@Geosyntec.com>; Kyle Cunningham <Kyle.Cunningham@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Magliocca, Joseph <JMAGLIOCCA@elmiracityschools.com>; Amanda.Castignetti@SterlingEnvironmental.com; Cyr, Scott <cyrs@hunt-eas.com>; Grasmeyer, Luke <grasmeyerl@hunt-eas.com>; akrasnopoler@geosyntec.com
Subject: RE: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

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Kaleigh,

With the spring sports season approaching, ECSD plans to move forward with installation of the second batting cages at the baseball field and softball field in the NAF. Attached is an updated ISMP notification with revised responsibility delineation based on coordination with Unisys. Sterling will provide onsite QEP oversight and CAMP monitoring for this scope. This work will follow the same construction method as was performed for the initial batting cages for augured posts extending below the demarcation layer. ECSD intends to perform this work as soon as possible following DEC approval and completion of an activity log.

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com
www.sterlingenvironmental.com

From: Andrew Millspaugh
Sent: Wednesday, November 13, 2024 11:59 AM
To: Zappia, Kaleigh M (DEC) <Kaleigh.Zappia@dec.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; Michele.Dolan@health.ny.gov; justin.deming <justin.deming@health.ny.gov>; michael.cruden <michael.cruden@dec.ny.gov>; McCartney, W Scott <w.scott.mccartney@wsp.com>; Bonsteel, Nicole <nicole.bonsteel@wsp.com>; Whelan, Vincent <vincent.whelan@wsp.com>; Fizzano, Thomas <thomas.fizzano@wsp.com>; Granato, Donald <donald.granato@wsp.com>; brandon.glowark <brandon.glowark@wsp.com>; Howe, Alexander <alexander.howe@wsp.com>
Cc: Howe, Martin R <martin.howe@unisys.com>; Etter, Terry R. <terry.etter@unisys.com>; Jen Huha <JHuha@Geosyntec.com>; Eric Tollefsrud <ETollefsrud@Geosyntec.com>; Kyle Cunningham <Kyle.Cunningham@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Magliocca, Joseph <JMAGLIOCCA@elmiracityschools.com>; Amanda Castignetti <Amanda.Castignetti@SterlingEnvironmental.com>; Cyr, Scott <cyrs@hunt-eas.com>; Grasmeyer, Luke <grasmeyerl@hunt-eas.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: NYSDEC #c808022 - ISMP Notification for NAF Batting Cages

Hi Kaleigh,

On behalf of ECSD, attached is an ISMP notification for planned ground intrusive activities to install a second batting cage at the baseball field and softball field in the NAF. This work will follow the same construction method as was performed for the initial batting cages. ECSD intends to perform this work as soon as possible following DEC approval and completion of an activity log.

Thanks,

Andrew M. Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
Cell: (518) 573-4378
andrew.millspaugh@sterlingenvironmental.com
www.sterlingenvironmental.com

Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

Via E-mail

Andrew Millspaugh, P.E.
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

March 26, 2025

Re: ISMP Notification/Work Plan
Batting Cage Installation - Augering Activities
Former Sperry Remington Site – North Portion (#c808022)
777 South Main Street, City of Elmira, Chemung County, NY

Dear Andrew:

The New York State Department of Environmental Conservation (NYSDEC), in consultation with New York State Department of Health (NYSDOH), has completed its review of the document entitled "ISMP Notification/Work Plan – Batting Cage Installation - Augering Activities," dated March 18, 2025, and **Approves as modified** below:

Section 5.4 Soil Staging Methods (EWP G-4)

1. Use of the temporary roll-off is limited to soils generated as part of this ISMP submittal.
2. The staged temporary roll-off must be inspected by the QEP on a weekly basis or after heavy rainfall.
3. The method of transport of spoils from each auger location to the temporary roll-off must be included in the Activity Log and approved by the Agency. If utilizing a wheeled bucket loader, the bucket is limited to ¾ capacity and must be decontaminated at the conclusion of work.
4. Transport of soils must be directly supervised by the QEP and provisions must be in place to prevent impact to the soil cover during transport within the North Athletic Fields (NAF).

Section 5.7 Material Disposal Off-Site (EWP G-7)

5. Unisys and ECSD will coordinate to sample material for either off-site disposal and/or reuse onsite within 90 days of intrusive activities.

Section 5.15 Community Air Monitoring Plan (EWP G-15)

6. CAMP Stations must be adjusted, with QEP oversight, to be between the ground intrusive activity and the adjacent residential properties.
7. Intrusive activities should only take place when the athletic fields are unoccupied.
8. PCB and VOC air monitoring may be requested in the event impacted soils, subsurface structures, tanks, etc. are encountered during excavations.

Within 10 days, please elect in writing your acceptance of the above Approved as Modified and provide a calendar schedule including report deliverables. Please contact me at (585) 226-5351 if you have questions regarding this letter.

Sincerely,



Kaleigh Zappia
Assistant Engineer (Environmental)

J. Magliocca / S. Cyr
D. Pratt / M. Cruden/ D. Loew
S. Bogardus / J. Deming
K. Krueger / M. Howe / J. Huha

Sterling Environmental Engineering, P.C.

ISMP NOTIFICATION/WORK PLAN
BATTING CAGE INSTALLATION
AUGERING ACTIVITIES

ELMIRA HIGH SCHOOL
ELMIRA, NEW YORK

Prepared For:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared By:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

March 18, 2025

"Serving our clients and the environment since 1993"

ISMP NOTIFICATION/WORK PLAN
BATTING CAGE INSTALLATION
AUGERING ACTIVITIES

ELMIRA HIGH SCHOOL
ELMIRA, NEW YORK

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6.0 HEALTH AND SAFETY 6

Appendices

Appendix A ISMP Activity Locations
Appendix B ISMP Activity Details
Appendix C Summary of Environmental Condition
Appendix D Haul Route & CAMP Locations

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1.0 INTRODUCTION

Sterling Environmental Engineering, P.C., (STERLING) has prepared this Notification/Work Plan to notify the New York State Department of Environmental Conservation (NYSDEC) of planned ground intrusive work at the Former Sperry Remediation Site in compliance with the provisions of the Interim Site Management Plan (ISMP) as part of the North Athletic Fields (NAF) restoration project on behalf of the Elmira City School District (ECSD).

Ground intrusive activities are required to be performed in accordance with the Excavation Work Plan (EWP), Appendix G of the ISMP. The format and content of this Notification/Work Plan is based on the requirement provided in Section G-1 of the EWP.

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive augering activities:

1. The installation of 12 post foundations for two batting cages. The post foundation locations are shown in Appendix A and construction details are shown in Appendix B. Posts foundations will be augered to a depth of 7.5 feet below the final cover system grade using a 24-inch diameter auger. Each 24-inch diameter foundation is estimated to generate 0.9 CY of soil. As shown in Appendix C, all posts are located in areas where the depths of native material may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 11 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 5 on design drawing, Alternate Drawing No. L6.3 in Appendix B.

Soil removed from all augured locations will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The intrusive activities for the NAF batting cage posts will occur entirely within the NAF IRM 5A2 work limits. A summary of environmental conditions is presented in Appendix C that includes a “heat map” showing the thickness of imported soil above demarcation layer within the NAF.

4.0 WORK SCHEDULE

Construction activities described in this ISMP are scheduled to be initiated as soon as possible following NYSDEC approval and contractor availability. A completed ISMP Activity Log will be submitted indicating the actual start date, schedule for construction completion, and a schedule for report deliverables.

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5.0 APPLICABLE COMPONENTS OF EWP

The following is a list of the sections of the EWP addressed in this notification and the party responsible for each work item.

Table 1 – EWP Responsibility Table

Applicable	EWP Section	Description of Work	Responsibility
X	G-1	Notification to the NYSDEC	ECSD
X	G-2	Roles and Responsibilities	ECSD
X	G-3	Soil Screening Methods	ECSD
X	G-4	Soil Staging Methods	ECSD
X	G-5	Materials Excavation and Load-Out	ECSD
X	G-6	Materials Transport Off-Site	Unisys
X	G-7	Materials Disposal Off-Site	Unisys
X	G-8	Materials Reuse On-Site	ECSD*
NA	G-9	Confirmation Sampling	Not Applicable
NA	G-10	Fluids Management	Not Applicable
X	G-11	Cover System Restoration	ECSD
X	G-12	Backfill from Off-Site Sources	ECSD
NA	G-13	Stormwater Pollution Prevention	Not Applicable
X	G-14	Excavation Contingency and Dewatering Plan	ECSD
X	G-15	Community Air Monitoring Plan	ECSD
NA	G-16	Odor Control Plan	Not Applicable
X	G-17	Dust Control Plan	ECSD
NA	G-18	Other Nuisances	Not Applicable
X	G-19	Access Controls	ECSD

*ECSD to perform sampling to assess the feasibility of on-site reuse. Cost responsibility for reuse sampling to be subject of continuing negotiation with Unisys.

A description of how the proposed work will conform with each applicable section of the EWP is provided in the following sections.

5.1 Notification (EWP G-1)

This Notification/Work Plan constitutes the notification to the NYSDEC required by Section G-1 of the ISMP/EWP for planned ground intrusive activities. Information contained in this notification was obtained primarily from Hunt Engineering (HUNT), engineering consultant for ECSD, and Geosyntec, environmental and engineering consultant for Unisys.

5.2 Roles and Responsibilities (EWP G-2)

Role and responsibilities for the applicable EWP sections are provided above in Table 1. Per Section G-2 of the ISMP/EWP, a Qualified Environmental Professional (QEP) will be required and responsible for any ISMP-related monitoring and compliance during any ground intrusive or other relevant work performed at the EHS. ECSD will provide a QEP to perform oversight for ground intrusive work associated with this ISMP notification. The contacts for providing required responsibilities in Table 1 are:

Unisys
Mr. Terry Etter
terry.etter@unisys.com

ECSD
Mr. Joe Magliocca
jmagliocca@elmiracityschools.com

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5.3 Soil Screening Methods (EWP G-3)

Soil screening of all removed soil will be performed by the QEP as described in, and as required by, Section G-3 of the ISMP/EWP. It is anticipated that soils to be encountered will be a combination of previously imported fill and uncharacterized soils.

5.4 Soil Staging Methods (EWP G-4)

Augered soil will be staged as described in, and as required by, Section G-4 of the ISMP/EWP. Prior to augering the post holes that will encounter native soil, geotextile fabric or poly sheeting will be placed along the fence post alignment. Holes will be cut through the fabric/sheeting at the fence post locations based on the auger size. During augering, the spoils will be collected on the surrounding fabric/sheeting. At the completion of augering, the soil will be transferred into a lined roll-off. The lined roll-off will be located at a temporary staging area on ECSD property to allow for Unisys to perform waste characterization sampling followed by offsite disposal. The temporary staging area is identified in Appendix D.

Uncharacterized soil will not be transported for offsite storage or disposal until a waste acceptance document has been received and provided to the NYSDEC.

CAMP monitoring will be performed during ground intrusive activities by the QEP, as described in Section 5.15.

5.5 Materials Excavation and Load-Out (EWP G-5)

Material excavation and load-out will be performed as described in, and as required by, Section G-5 of the ISMP/EWP. Augering procedures are described above in Section 5.4 that will be performed by ECSD. At the completion of augering, the soil will be transferred into a lined roll-off. The lined roll-off will be located at a temporary staging area on ECSD property to allow for Unisys to perform waste characterization sampling followed by offsite disposal. The temporary staging area is identified in Appendix D. The roll-off container(s) will be staged on geotextile or poly sheeting.

5.6 Materials Transport Off-Site (EWP G-6)

Transportation of the excavated soil will be performed as described in, and as required by, Section G-6 of the ISMP/EWP. Following waste characterization and profiled described above in Sections 5.4 and 5.5, Unisys will coordinate the transportation of the roll-off container(s) directly to the offsite disposal facility.

5.7 Materials Disposal Off-Site (EWP G-7)

The provisions of Section G-7 will apply for offsite disposal of excavated soil. Excavation of uncharacterized native soil may contain concentrations of PCBs, metals, VOCs, or SVOCs in excess of RRUSCOs. As described above in Sections 5.4 through 5.6, uncharacterized soil will be transferred into a lined roll-off. The lined roll-off will be located at a temporary staging area on ECSD property to allow for Unisys to perform waste characterization sampling followed by offsite disposal. The temporary staging area is identified in Appendix D. Unisys will coordinate the transportation of the roll-off container(s) directly to the offsite disposal facility. The likely landfill for disposal is Hyland Landfill in Ontario, NY, operated by Casella Waste Systems.

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5.8 Material Reuse On-Site (EWP G-8)

Augered soils will be tested to determine whether the soil meets the criteria for reuse on-site within a soil cover system in accordance with Section G-8 of the ISMP/EWP. Soil quality would need to meet the requirements in NYSDEC DER-10 Appendix 5 to be reused. The number and type of soil samples would be in accordance with Section G-8 of the ISMP/EWP. If soil reuse is contemplated, a Request to Import/Reuse Fill or Soil form will be submitted to the NYSDEC for approval.

5.9 Confirmation Sampling (EWP G-9)

Confirmation sampling will not be performed during the post installation activities because the nature of the work does not allow collection of native soil from the completed boreholes.

5.10 Fluids Management (EWP G-10)

Following augering at each location, loose soil is to be dry-brushed from the auger over geofabric or poly sheeting to prevent cross-contamination. If needed, the auger will be wrapped in poly sheeting while in transit between boring locations to prevent residual soil from contacting the ground surface.

Fluid management is not expected with the proposed ISMP work. Post holes will not extend to the groundwater table. Equipment that comes into contact with native soils will be limited to the augers, which will be decontaminated by dry methods over geofabric or poly sheeting to remove any loose soil to prevent cross-contamination. No wet decontamination will occur.

5.11 Cover System Restoration (EWP G-11)

The cover system will be restored by the ECSD contractor in accordance with the details shown on the detail drawings provided in Appendix B, and in compliance with Section G-11 of the ISMP/EWP. The cover system for this activity will consist of poured concrete for the full augured depth of the post foundations.

A demarcation layer is required as described in Section G-11 of the Excavation Work Plan “to provide a visual reference to the top of the remaining contamination zone”. The installation of a demarcation layer is not feasible within the post borings and the poured concrete will serve as demarcation to the top of the remaining contamination zone for specific post locations extending into uncharacterized soil.

As-built documentation from a NYS PE will be provided for all restored Engineering Controls, per Section G-11 of the EWP.

5.12 Backfill from Off-Site Sources (EWP G-12)

The details provided in Appendix B indicate that the augered post borings will be backfilled with concrete surrounding a sleeve to hold the posts in place. No imported backfill is required to install the posts.

5.13 Stormwater Pollution Prevention (EWP G-13)

The scope of work involves the installation of 12 fence posts with de minimis ground disturbance that will not alter stormwater flow patterns or management practices. Augered soil will be containerized and covered to prevent sediment transport.

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5.14 Excavation Contingency and Dewatering Plan (EWP G-14)

If underground tanks or other previously unidentified contaminant sources are found during auguring or installation activities, or if groundwater is encountered and discharges continuously from the augured location, the NYSDEC will be informed as soon as possible and the procedures in Section G-14 of the ISMP/EWP pertaining to contingency excavations and dewatering will be implemented.

5.15 Community Air Monitoring Plan (EWP G-15)

CAMP monitoring will be performed by a QEP as described in, and as required by Section G-15 of the ISMP/EWP, for the protection of the surrounding communities. Daily CAMP monitoring data will be provided to NYSDEC.

The construction activities have the potential to generate dust and will be addressed per Section 5.17 below. Particulate monitoring will be performed adjacent to the work zone using the CAMP monitoring locations shown in Appendix D. The following controls will be implemented, as applicable, for community protection:

- Continuous monitoring locations will be located at upwind and downwind locations, and nearest to potentially exposed individuals.
- Background concentrations will be measured prior to ISMP activities each day that excavating or soil load-out occurs.

Dust suppression measures will be implemented, if necessary.

5.16 Odor Control Plan (EWP G-16)

This section of the EWP is not applicable to the work described in the notification.

5.17 Dust Control Plan (EWP G-17)

The contractor will use dust suppression (water misting) to eliminate dust or airborne particulates during the excavation, installation, auguring, and backfilling activities, as needed.

5.18 Other Nuisances (EWP G-18)

This section of the EWP is not applicable to the work described in the notification.

5.19 Access Controls (EWP G-19)

The work area for the excavation activities will be controlled for safety and to limit unauthorized personnel while the ISMP work is performed. ECSD and its contractor will be responsible for site control and access. The ECSD contractor will implement control measures to prevent unauthorized access to the work area. These measures include, but are not limited to, fencing around the ISMP work areas as these excavations are within the limits of disturbance of work associated with IRM #5A2.

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6.0 HEALTH AND SAFETY

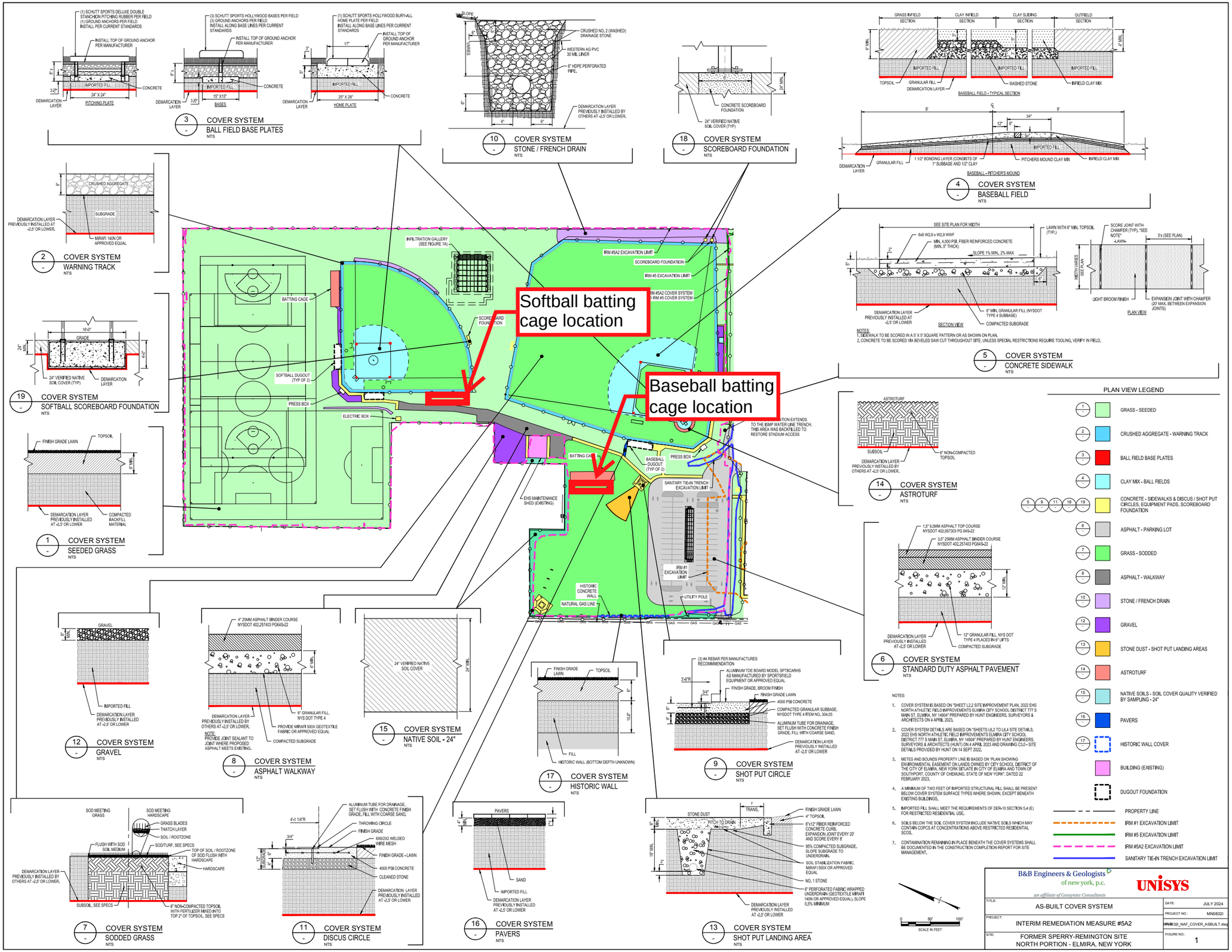
The work will be performed in compliance with the ISMP/EWP and 29 CFR (Code of Federal Regulations) 1910.120. Contractor personnel will be required to have 40-hour Hazwoper training. A copy of the contractor's Health and Safety Plan (HASP) will be provided to the NYSDEC in electronic format if it differs from the HASP in Appendix 4 of the ISMP.

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APPENDIX A

ISMP ACTIVITY LOCATIONS



3 COVER SYSTEM — BALL FIELD BASE PLATES — NTS

10 COVER SYSTEM — STONE / FRENCH DRAIN — NTS

18 COVER SYSTEM — SCOREBOARD FOUNDATION — NTS

4 COVER SYSTEM — BASEBALL FIELD — NTS

2 COVER SYSTEM — WARNING TRACK — NTS

19 COVER SYSTEM — SOFTBALL SCOREBOARD FOUNDATION — NTS

5 COVER SYSTEM — CONCRETE SIDEWALK — NTS

14 COVER SYSTEM — ASTROTURF — NTS

1 COVER SYSTEM — SEEDED GRASS — NTS

6 COVER SYSTEM — STANDARD DUTY ASPHALT PAVEMENT — NTS

12 COVER SYSTEM — GRAVEL — NTS

8 COVER SYSTEM — ASPHALT WALKWAY — NTS

15 COVER SYSTEM — NATIVE SOIL - 24" — NTS

17 COVER SYSTEM — HISTORIC WALL — NTS

9 COVER SYSTEM — SHOT PUT CIRCLE — NTS

7 COVER SYSTEM — SODDED GRASS — NTS

11 COVER SYSTEM — DISCUS CIRCLE — NTS

16 COVER SYSTEM — PAVERS — NTS

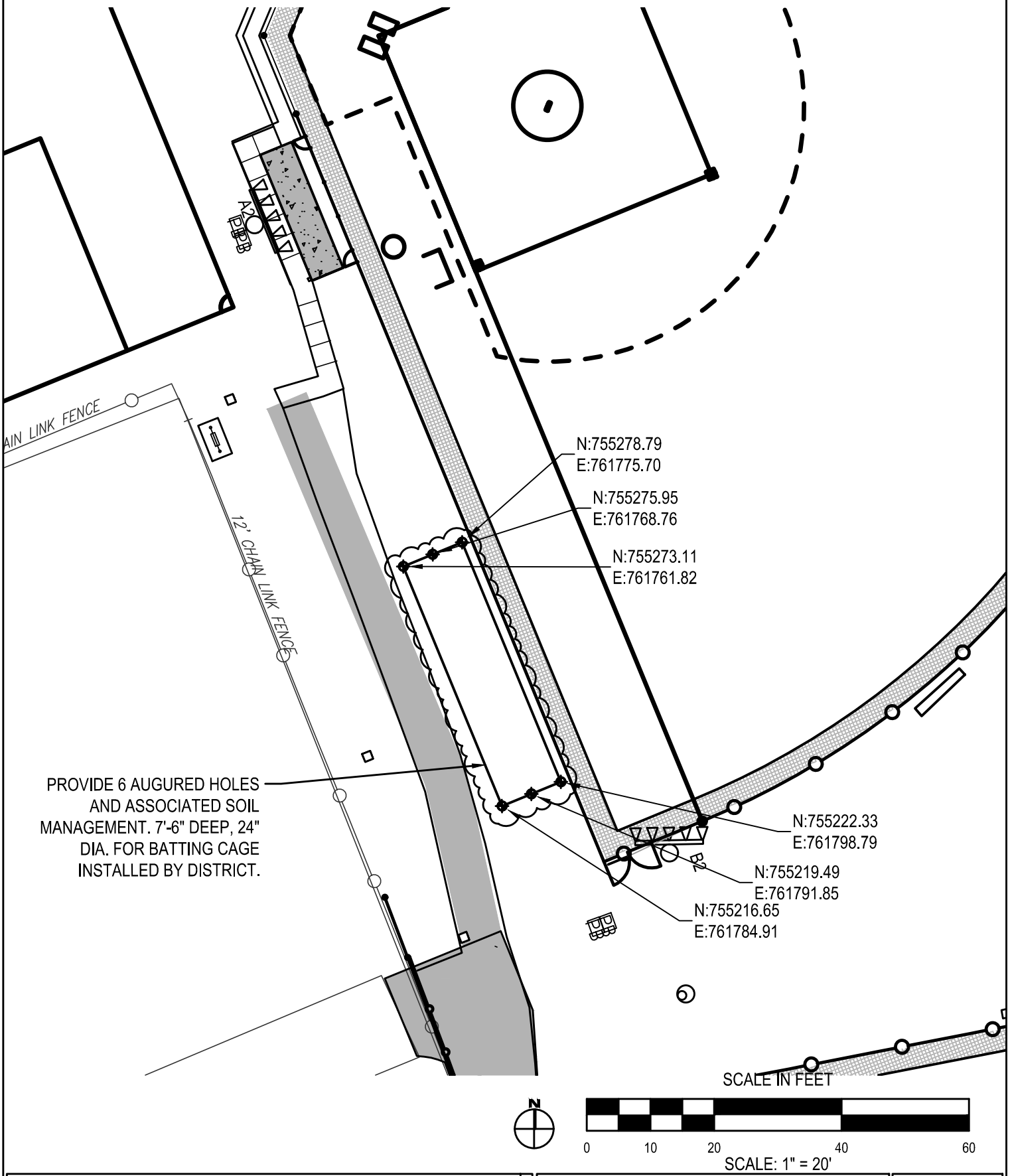
13 COVER SYSTEM — SHOT PUT LANDING AREA — NTS

NOTES:

1. COVER SYSTEM IS BASED ON "SHEET L2.2 SITE IMPROVEMENT PLAN, 2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS ELMIRA CITY SCHOOL DISTRICT 777 S MAIN ST, ELMIRA, NY 14904" PREPARED BY HUNT ENGINEERS, SURVEYORS & ARCHITECTS ON 4 APRIL 2023.
2. COVER SYSTEM DETAILS ARE BASED ON "SHEETS L0.2 TO L0.4 SITE DETAILS, 2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS ELMIRA CITY SCHOOL DISTRICT 777 S MAIN ST, ELMIRA, NY 14904" PREPARED BY HUNT ENGINEERS, SURVEYORS & ARCHITECTS (HUNT) ON 4 APRIL 2023 AND DRAWING C3.0 - SITE DETAILS PROVIDED BY HUNT ON 14 SEPT 2022.
3. METES AND BOUNDS PROPERTY LINE IS BASED ON "PLAN SHOWING ENVIRONMENTAL EASEMENT ON LANDS OWNED BY CITY SCHOOL DISTRICT OF THE CITY OF ELMIRA, NEW YORK SITUATE IN CITY OF ELMIRA AND TOWN OF SOUTHPORT, COUNTY OF CHEMUNG, STATE OF NEW YORK", DATED 22 FEBRUARY 2023.
4. A MINIMUM OF TWO FEET OF IMPORTED STRUCTURAL FILL SHALL BE PRESENT BELOW COVER SYSTEM SURFACE TYPES WHERE SHOWN, EXCEPT BENEATH EXISTING BUILDINGS.
5. IMPORTED FILL SHALL MEET THE REQUIREMENTS OF DER-10 SECTION 5.4 (E) FOR RESTRICTED RESIDENTIAL USE.
6. SOILS BELOW THE SOIL COVER SYSTEM INCLUDE NATIVE SOILS WHICH MAY CONTAIN COPCS AT CONCENTRATIONS ABOVE RESTRICTED RESIDENTIAL SCOS.
7. CONTAMINATION REMAINING IN PLACE BENEATH THE COVER SYSTEMS SHALL BE DOCUMENTED IN THE CONSTRUCTION COMPLETION REPORT FOR SITE MANAGEMENT.

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SOFTBALL SECONDARY BATTING CAGE

ELMIRA CSD - HIGH SCHOOL NORTH ATHLETIC FIELDS

ELMIRA CITY SCHOOL DISTRICT

ELMIRA, NEW YORK

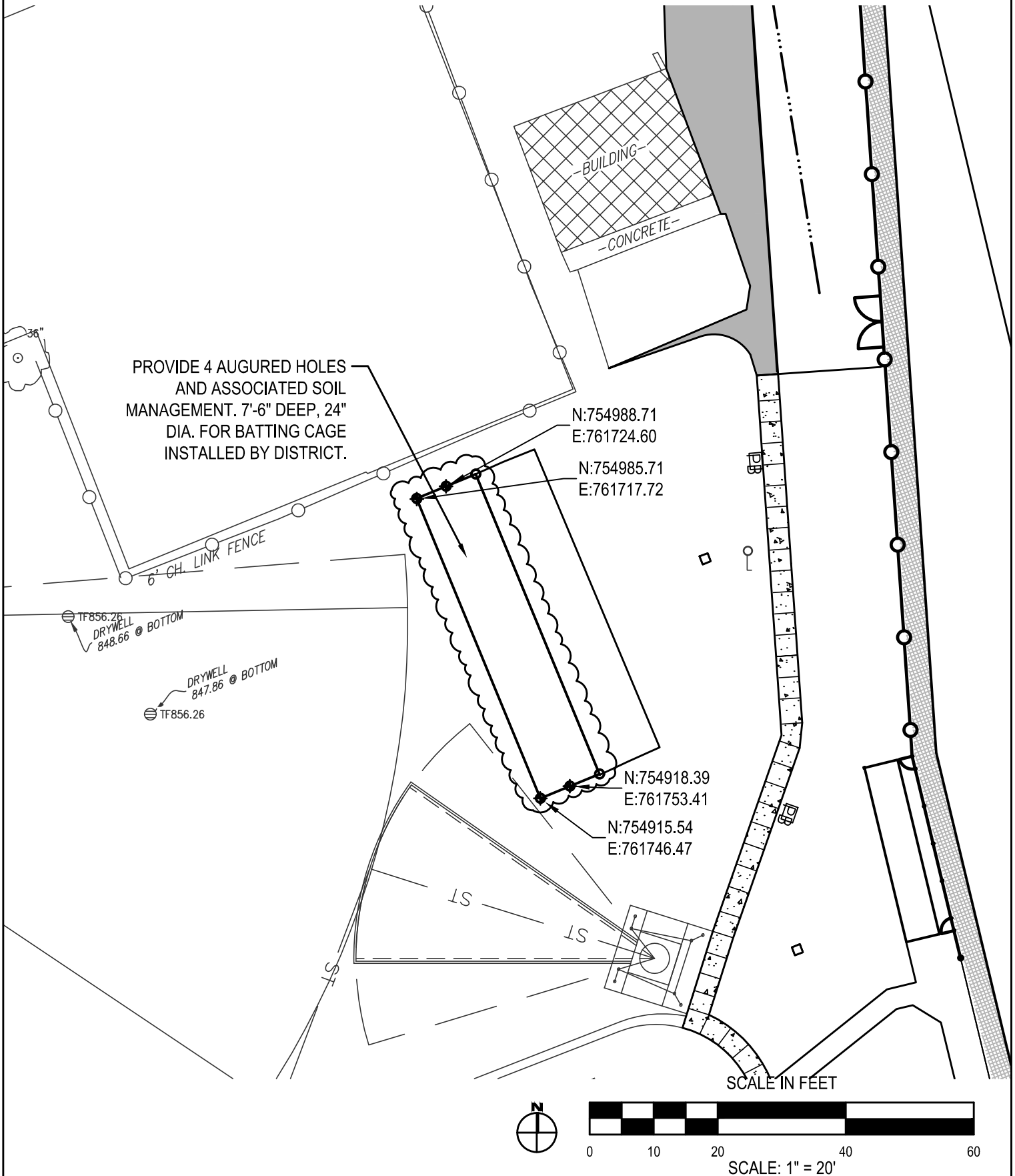
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HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950
TOWANDA, PA 570 - 265 - 4868

CA-L15R

DATE: 11/8/24

PROJECT NO: 2012.238



BASEBALL SECONDARY BATTING CAGE

ELMIRA CSD - HIGH SCHOOL NORTH ATHLETIC FIELDS

ELMIRA CITY SCHOOL DISTRICT

ELMIRA, NEW YORK

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TOWANDA, PA 570 - 265 - 4868

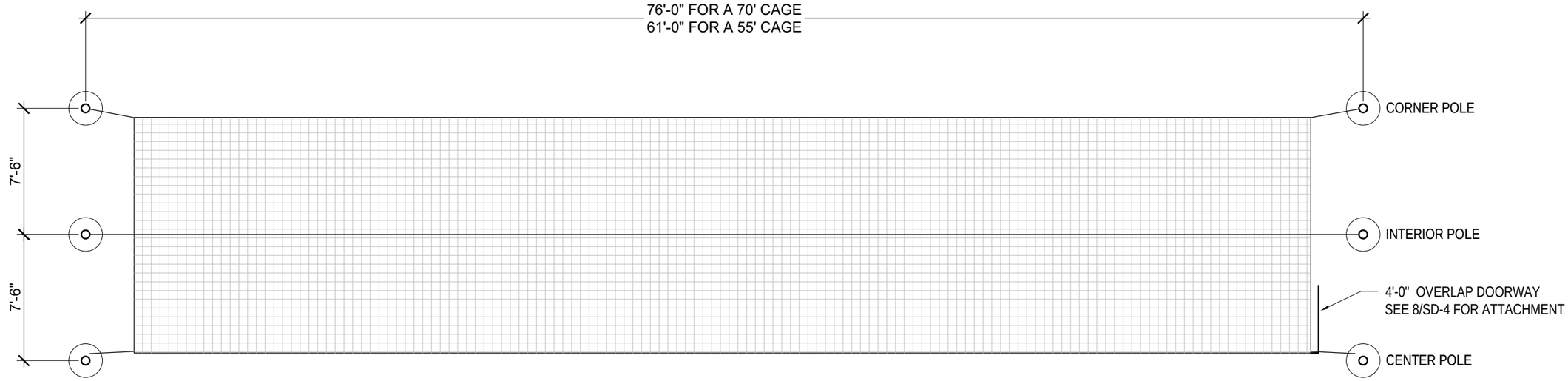
CA-L16R

DATE: 11/8/24

PROJECT NO: 2012.238

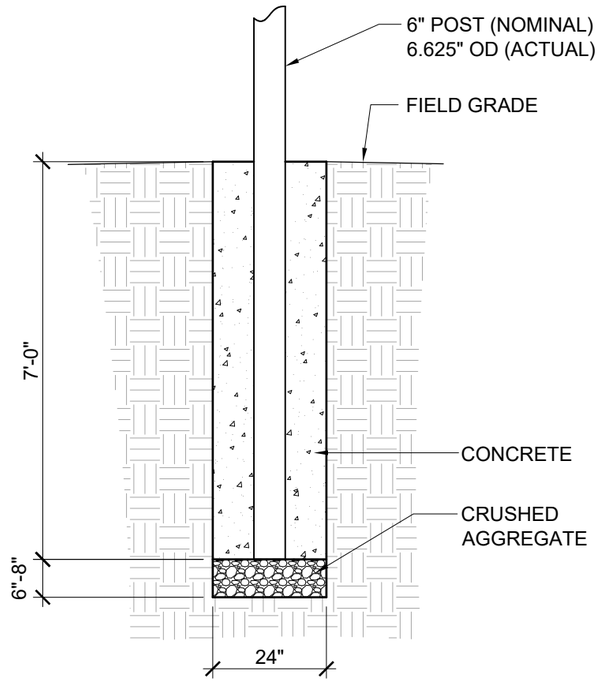
APPENDIX B

ISMP ACTIVITY DETAILS



1 Plan View
Not to Scale

1
SD-3



2 FOOTING DETAIL
Scale: 3/8" = 1'-0"

DIRECT BURY INSTALLATION

1. Locate and excavate footings according to the layout as noted in Detail 1 shown above and Detail 2 shown to the right. Pole positions are important as top cables have been pre-assembled based on the layout dimensions.

2. Fill bottom 6" - 8" of each footing with a coarse, crushed aggregate compacting in 2" lifts.

3. Set one Upright Post directly onto aggregate in center of each footing and brace appropriately to hold in place. The top of each pole should be set 14' above grade as shown in Detail 1 on Drawing SD-3.

4. Fill footings with 3,500 psi concrete mix and slope top surface away from each Upright Post to prevent water from pooling. Allow concrete to cure according to packaging instructions.

5. Repeat steps 3 and 4 and set remaining 5 Upright Posts.

IMPORTANT: IF FREEZING TEMPERATURES OCCUR IN YOUR LOCATION, DO NOT BLOCK BOTTOM OPENING OF UPRIGHT POSTS OR GROUND SLEEVES WITH CONCRETE. DAMAGE MAY OCCUR.

This is a standard Beacon Athletics product.
Any changes must be explicitly authorized and approved by Beacon Athletics.

BEACON ATHLETICS
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DRAWING TITLE:
TUFFframe™ PRO OUTDOOR 70' OR 55' BATTING CAGE - SINGLE
LAYOUT & FOOTING DETAIL

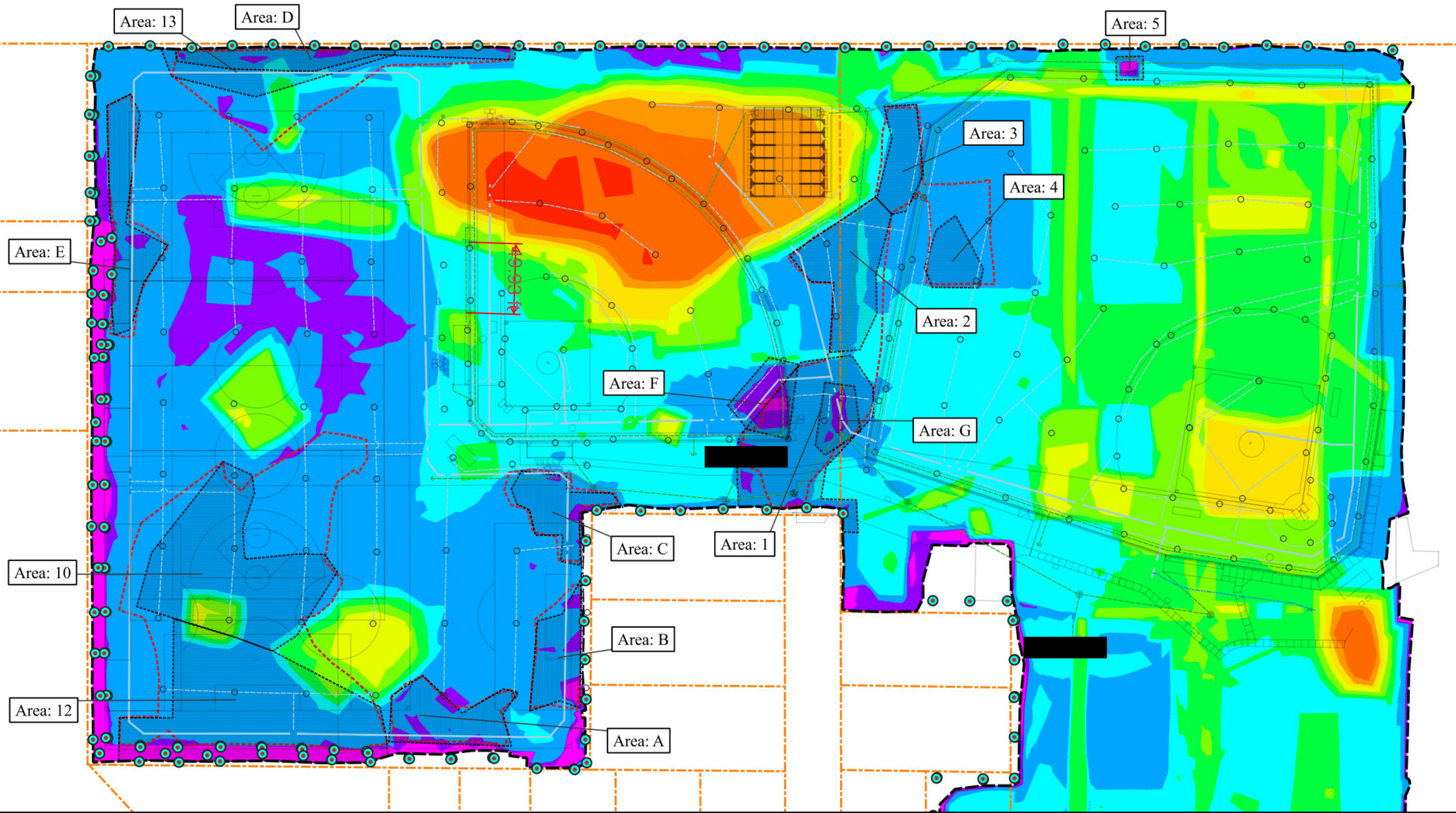
CUSTOMER NAME: -
PROJECT NAME: -
PROJECT LOCATION: -

REVISION #	DATE	BY
REV1	06/14/15	TMB

SCALE:	SEE DWG
DRAWN BY:	JP
DATE:	08/04/14
PROJECT NO:	-
DRAWING NO:	**SD-2**

APPENDIX C

SUMMARY OF ENVIRONMENTAL CONDITIONS



Legend

- 2023-05-05 IRM-5A2 Limit of Excavation
- 2023-04-13 HUNT Base Features
- 2023-04-13 HUNT Storm Water Line
- 2023-04-13 HUNT Water Line (Shortened)
- Metes & Bounds Property Line
- Soil Cover Verification Location
- 2023-05-23 Irrigation Head
- 2023-05-23 Irrigation Lateral
- 2023-05-23 Irrigation Main
- 2023-05-05 Field Verified Scraping Area
- Addendum 8 Phase 1 Scrapping Area
- Addendum 8 Phase 2 Scrapping Area

Cover Thickness (ft)

- 0 - 2
- 2 - 2.5
- 2.5 - 4
- 4 - 6
- 6 - 8
- 8 - 10
- 10 - 12
- 12 - 14
- 14 - 16
- 16 - 18
- 18 - 20

Notes:

1) Estimated cover thickness estimated from final grade surface as shown in Attachment 2 - NAF Improvement Plans, Drawings L4.1/L4.2 - Site Grading Plan and provided in HUNT DWG "SITE-NEW-3D.dwg" dated 04-13-23 and subgrade surface provided in RECON DWG "IRM5A2-SG_5-5-2023" dated 05-05-23.
2) Base, Storm Water and Water Line features from HUNT DWG "SITE-NEW-2D BASEBID.dwg" dated 04-13-23.
3) Irrigation details from Marathon Engineering DWG "0980 EHS Irrigation.dwg" dated 05-23-23.
4) ft and ' = feet, SF = Square Feet, CY = Cubic Yards.
5)Addendum 8 field verified scrapping areas from RECON DWG "IRM5A2-SG_5-5-2023" dated 05-05-23

N E S W

0 35 70 ft

Comparison of As-Built Subgrade Elevations to Proposed NAF Final Grades (04/13/23)

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | June 6, 2022

Figure 1

APPENDIX D

HAUL ROUTE & CAMP LOCATIONS


CAMP Location (will be moved with wind direction)
Batting Cage Work Area
Location (will be moved with wind direction)
Soil Route to Roll-Off


Roll-off
Roll-off Transport Route
Batting Cage Work Area
CAMP Location (will be moved with wind direction)
Soil Route to Roll-Off
Batting Cage Work Area
CAMP Location (will be moved with wind direction)
EXPRESS

Table 1
Request to Reuse - Batting Cage ISMP Soils
Former Sperry Remediation Site - North Portion
Elmira, NY

ANALYTE	NY-DER10-UU	NY-DER10-RRU	EHS-ISMP-BC-1 4/9/2025	EHS-ISMP-BC-C1 4/9/2025
VOLATILE ORGANICS BY EPA 5035, mg/kg				
1,1,1-Trichloroethane	0.68	0.68	0.00017 U	NA
1,1-Dichloroethane	0.27	0.27	0.00015 U	NA
1,1-Dichloroethene	0.33	0.33	0.00024 U	NA
1,2,4-Trimethylbenzene	3.6	3.6	0.00034 U	NA
1,2-Dichlorobenzene	1.1	1.1	0.00015 U	NA
1,2-Dichloroethane	0.02	0.02	0.00026 U	NA
1,3,5-Trimethylbenzene	8.4	8.4	0.0002 U	NA
1,3-Dichlorobenzene	2.4	2.4	0.00015 U	NA
1,4-Dichlorobenzene	1.8	1.8	0.00017 U	NA
2-Butanone	0.12	0.12	0.0022 U	NA
Acetone	0.05	0.05	0.0049 U	NA
Benzene	0.06	0.06	0.00017 U	NA
Carbon tetrachloride	0.76	0.76	0.00023 U	NA
Chlorobenzene	1.1	1.1	0.00013 U	NA
Chloroform	0.37	0.37	0.00014 U	NA
cis-1,2-Dichloroethene	0.25	0.25	0.00018 U	NA
Ethylbenzene	1	1	0.00014 U	NA
Methyl tert butyl ether	0.93	0.93	0.0002 U	NA
Methylene chloride	0.05	0.05	0.0023 U	NA
n-Butylbenzene	12	12	0.00017 U	NA
n-Propylbenzene	3.9	3.9	0.00017 U	NA
o-Xylene	---	---	0.0003 U	NA
p/m-Xylene	---	---	0.00057 U	NA
Xylene (mixed)	1.6	1.6	0.00057 U	NA
sec-Butylbenzene	11	11	0.00015 U	NA
tert-Butylbenzene	5.9	5.9	0.00012 U	NA
Tetrachloroethene	1.3	1.3	0.0002 U	NA
Toluene	0.7	0.7	0.00055 U	NA
trans-1,2-Dichloroethene	0.19	0.19	0.00014 U	NA
Trichloroethene	0.47	0.47	0.00014 U	NA
Vinyl chloride	0.02	0.02	0.00034 U	NA
PERFLUORINATED ALKYL ACIDS BY ISOTOPE DILUTION, mg/kg				
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	---	---	NA	0.000313 U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	---	---	NA	0.000196 U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	---	---	NA	0.000092 U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	---	---	NA	0.00022 U
Perfluorobutanesulfonic Acid (PFBS)	---	---	NA	0.000043 U
Perfluorobutanoic Acid (PFBA)	---	---	NA	0.000025 U
Perfluorodecanesulfonic Acid (PFDS)	---	---	NA	0.000167 U
Perfluorodecanoic Acid (PFDA)	---	---	NA	0.000073 U
Perfluorododecanoic Acid (PFDoA)	---	---	NA	0.000076 U
Perfluoroheptanesulfonic Acid (PFHpS)	---	---	NA	0.000149 U
Perfluoroheptanoic Acid (PFHpA)	---	---	NA	0.000049 U
Perfluorohexanesulfonic Acid (PFHxS)	---	---	NA	0.000069 J
Perfluorohexanoic Acid (PFHxA)	---	---	NA	0.000057 U
Perfluorononanoic Acid (PFNA)	---	---	NA	0.000082 U
Perfluorooctanesulfonamide (FOSA)	---	---	NA	0.000107 U
Perfluorooctanesulfonic Acid (PFOS)	0.00066	0.044	NA	0.000142 U
Perfluorooctanoic Acid (PFOA)	0.00088	0.033	NA	0.000046 U
Perfluoropentanoic Acid (PFPeA)	---	---	NA	0.00005 U
Perfluorotetradecanoic Acid (PFTA)	---	---	NA	0.000059 U
Perfluorotridecanoic Acid (PFTrDA)	---	---	NA	0.000223 U
Perfluoroundecanoic Acid (PFUnA)	---	---	NA	0.000051 U

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Table 1
Request to Reuse - Batting Cage ISMP Soils
Former Sperry Remediation Site - North Portion
Elmira, NY

ANALYTE	NY-DER10-UU	NY-DER10-RRU	EHS-ISMP-BC-1 4/9/2025	EHS-ISMP-BC-C1 4/9/2025
SEMIVOLATILE ORGANICS BY GC/MS, mg/kg				
1,4-Dioxane	0.1	0.1	NA	0.0084 U
2-Methylphenol	0.33	0.33	NA	0.028 U
3-Methylphenol/4-Methylphenol	0.33	0.33	NA	0.028 U
Acenaphthene	20	98	NA	0.019 U
Acenaphthylene	100	100	NA	0.23
Aniline	---	---	NA	0.086 U
Anthracene	100	100	NA	0.12
Benzo(a)anthracene	1	1	NA	0.62
Benzo(a)pyrene	1	1	NA	0.62
Benzo(b)fluoranthene	1	1	NA	0.81
Benzo(ghi)perylene	100	100	NA	0.39
Benzo(k)fluoranthene	0.8	1.7	NA	0.22
Chrysene	1	1	NA	0.65
Dibenzo(a,h)anthracene	0.33	0.33	NA	0.09 J
Dibenzofuran	7	59	NA	0.017 U
Fluoranthene	100	100	NA	0.79
Fluorene	30	100	NA	0.019 J
Hexachlorobenzene	0.33	1.2	NA	0.02 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	NA	0.31
Naphthalene	12	12	NA	0.024 J
Nitrobenzene	---	---	NA	0.027 U
Pentachlorophenol	0.8	0.8	NA	0.04 U
Phenanthrene	100	100	NA	0.16
Phenol	0.33	0.33	NA	0.028 U
Pyrene	100	100	NA	0.92
CHLORINATED HERBICIDES BY GC, mg/kg				
2,4,5-TP (Silvex)	3.8	3.8	NA	0.00494 U
ORGANOCHLORINE PESTICIDES BY GC, mg/kg				
4,4'-DDD	0.0033	13	NA	0.000616 U
4,4'-DDE	0.0033	8.9	NA	0.0004 U
4,4'-DDT	0.0033	7.9	NA	0.00139 U
Aldrin	0.005	0.097	NA	0.000609 U
Alpha-BHC	0.02	0.02	NA	0.000204 U
Beta-BHC	0.036	0.09	NA	0.000655 U
Chlordane (Alpha)	---	---	NA	0.00573 U
cis-Chlordane	0.094	2.9	NA	0.000602 U
Delta-BHC	0.04	0.25	NA	0.000338 U
Dieldrin	0.005	0.1	NA	0.00054 U
Endosulfan I	2.4	24	NA	0.000408 U
Endosulfan II	2.4	24	NA	0.000578 U
Endosulfan sulfate	2.4	24	NA	0.000343 U
Endrin	0.014	0.06	NA	0.000295 U
Heptachlor	0.042	0.38	NA	0.000387 U
Lindane	0.1	0.1	NA	0.000322 U
POLYCHLORINATED BIPHENYLS BY GC, mg/kg				
Aroclor 1016	0.1	1	NA	0.00468 U
Aroclor 1221	0.1	1	NA	0.00528 U
Aroclor 1232	0.1	1	NA	0.0112 U
Aroclor 1242	0.1	1	NA	0.00711 U
Aroclor 1248	0.1	1	NA	0.00791 U
Aroclor 1254	0.1	1	NA	0.00929 J
Aroclor 1260	0.1	1	NA	0.00975 U
Aroclor 1262	0.1	1	NA	0.0067 U
Aroclor 1268	0.1	1	NA	0.00546 U
PCBs, Total	0.1	1	NA	0.00929 J

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Table 1
Request to Reuse - Batting Cage ISMP Soils
Former Sperry Remediation Site - North Portion
Elmira, NY

ANALYTE	NY-DER10-UU	NY-DER10-RRU	EHS-ISMP-BC-1 4/9/2025	EHS-ISMP-BC-C1 4/9/2025
GENERAL CHEMISTRY, mg/kg				
Chromium, Trivalent	30	180	NA	7.04
Chromium, Hexavalent	1	19	NA	0.18 U
Cyanide, Total	27	27	NA	0.23 U
Solids, Total, %	---	---	87.6	89
TOTAL METALS, mg/kg				
Arsenic, Total	13	16	NA	5.09
Barium, Total	350	400	NA	46.3
Beryllium, Total	7.2	47	NA	0.249 J
Cadmium, Total	2.5	4.3	NA	0.071 J
Copper, Total	50	270	NA	15.9
Lead, Total	63	400	NA	10.2
Manganese, Total	1600	2000	NA	333
Mercury, Total	0.18	0.73	NA	0.046 U
Nickel, Total	30	130	NA	10.6
Selenium, Total	3.9	4	NA	0.281 U
Silver, Total	2	8.3	NA	0.255 U
Zinc, Total	109	2480	NA	39.8

Notes:

NY-DER10-RRU: New York DER-10 Restricted Residential Use Allowable Constituent Levels for Imported Fill & Soil Criteria per DER-10, May 3, 2010.

NY-DER10-UU: New York DER-10 Unrestricted Use Allowable Constituent Levels for Imported Fill & Soil Criteria per DER-10, May 3, 2010.

PFOA and PFOS standards from NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances under NYSDEC Part 375 Remedial Programs, April 2023.

---: No applicable standard.

U: Not Detected. The analyte was analyzed for, but was not detected above the reported method detection limit.

J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

NA: Not analyzed.

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DAILY FIELD REPORT

Project Name: ISMP- Batting Cage Post Installation **Project No:** 2021-01

Client Name: ECSD **Date:** 4/8/2025 - 4/9/2025

Location: Elmira, NY **Personnel:** A Castignetti (STERLING)

Weather: am: ~20°F, wind 0-10mph SSE, p.cloudy pm: ~20°F, wind 10-30mph S, cloudy

Work Description: Perform CAMP activities and soil reuse sampling for intrusion activities for the softball and batting cages.

0700am AC arrives onsite, views post locations for BB/SB batting cages, calibrate CAMP Equipment successfully, AC sets up CAMP equipment upwind and downwind of post locations.

0745am ECSD personnell arrive onsite (Joe Lucas + 2 laborers), prepare for post activities in the BB batting cage location. AC begins CAMP equipment for a background of 0.170 mg/m³. Monitoring data on attached form.

1135 am Joe Magliocca (ECSD) onsite to review activities. Offsite 1145am.

12-1230pm ECSD break for lunch. Low battery on upwind location due to cold weather and monitor is plugged in for remainder of monitoring period.

- Four posts for the new BB batting cage completed. ECSD will mobilize to the SB location after lunch.
- Soils transported to a Lined dumpster on the N side of the maintenance garage (per the ISMP).

1625pm All six holes with SB batting cage are complete. ECSD covers soils to prevent infiltration of rain.

- AC stops monitoring activities and packs up CAMP equipment.

1645pm AC offsite

* One representative soil sample was collected from soil generated at all post locations from soils below the demarcation layer, for potential re-use onsite *

4/9/2025 AC collects soil into lab provided bottle wave and submits to Pace Courier in Albany, NY for re-use parameters → EHS-ISMP-BC.

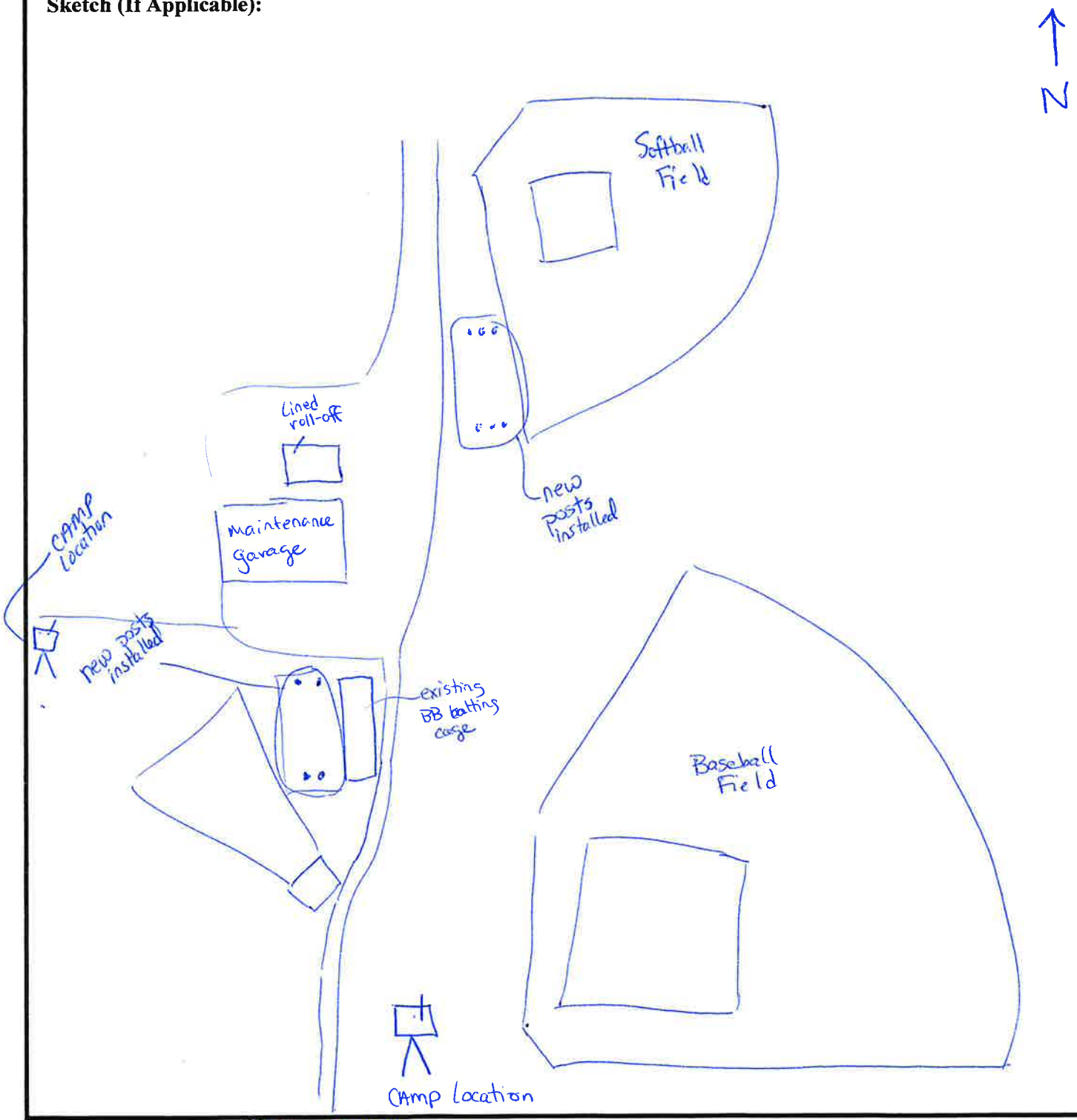
Signature: 4/9/25

STERLING
Sterling Environmental Engineering, P.C.

DAILY FIELD REPORT

Project Name: ISMP- Batting Cage Post Installation **Project No:** 2021-01 **Date:** 4/8/2025

Sketch (If Applicable):



Signature: 4/8/2025

700 SMITH BLVD
ALBANY, NEW YORK

AIR MONITORING FORM

Name: A. Castignetti (STERLING)

Date: 4/8/2025

Weather Conditions: AM: ~20°F, wind 0-10mph SSE, pcloudy
PM: ~20°F, wind 10-30mph S, cloudy

Wind Direction: To the SSE

Time	UPWIND PM-10 (mg/m^3)	DOWNWIND PM-10 (mg/m^3)	COMMENTS
0750	0.025	—	Background.
0800	0.003	0.006	
0900	0.003	0.004	
1000	0.003	0.003	
1100	0.003	0.003	
1200	0.004	0.003	
1300	0.002	0.005	
1400	0.003	0.003	
1500	0.003	0.003	
1600	0.003	0.005	
1630	0.003	0.006	ground intrusion activities comple.

PM-10 Monitoring Equipment: TSI 8530 DustTrak II's

ISMP Activity Tracking Form
Former Sperry-Remington Site
NYSDEC #c808022

1. ISMP ACTIVITY NAME:	Batting Cage Installation Augering Activities
2. APPROVED ISMP NOTICE, PLANS, AND DETAILS: • List All Changes Approved by NYSDEC PM:	Approved as Modified dated March 26, 2025. Work includes augering and soil management for installation of batting cage posts for softball and baseball cages that will extend below demarcation layer. See attached Approved as Modified for specific requirements. • Section 5.4 Comment 3 – The contractor will use a wheeled bucket loader filled no more than ¾ capacity to transport soil from the post locations to temporary lined roll-off container staged behind the maintenance building. The bucket will be dry decontaminated by removing observable soils with hand tools and placing those soils in the roll-off container.
3. CAMP REQUIRED (YES/NO)	Yes. Upwind and Downwind particulate monitoring. May be modified to include PCB and/or VOC based on any changes to site conditions.
4. CONFIRMATION SAMPLING REQUIRED: (YES/NO)	No.
5. NYS SURVEY DOCUMENTATION REQUIRED: (YES/NO)	Yes, As-Built condition of cover system restoration will be documented by a NYS licensed land surveyor.
6. ENGINEERING CONTROLS TO BE INSTALLED OR MODIFIED: (YES/NO)	Yes, the cover system will be restored with concrete post foundations.
7. START DATE:	April 7, 2024
8. ACKNOWLEDGEMENTS (sign/date)	
• **Engineer of Record**	04/03/2025
• **QEP**	04/03/2025
• **ECSD Contractor**	4/4/25
• **NYSDEC**	Kaleigh Zappia 4/4/2025

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab

ALPHA Job #

Client Information
Client: Sterling Env. Eng.
Address: 24 Wade Rd
Latham, NY 12110
Phone: 518-456-4900
Fax:
Email:

Project Information
Project Name: EHS Capital Improvements
Project Location: Elmira, NY
Project # 2021-01
(Use Project name as Project #) ☐
Project Manager: M. Deyo / A. Millspaugh
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other DER-10
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
samanda.castignetti@sterlingenvironmental.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	DER-10 Total Metals, Total Hg, Cyanide	DER-10 Hex. Chromium	DER-10 VOCs (8260)	Total PCBs (8082)	DER-10 SVOCs (8270)	PEST/HERBS (8081/8151)	Total Solids	TCLP (1311) RCRA 8 Metals	Sample Specific Comments	Total Bottles
	EHS-ISMP-BC-1	4/9/2025	840	Soil	AMC			X		X		X		★ Run VOCs and	4
	EHS-ISMP-BC-C1	4/9/2025	840	Soil	AMC	X	X		X	X	X	X	X	Total PCBs ★	7
														-hold other	
														analyses until	
														further notice.	
														+SPLP only if	
														exceedences of	
														guideline	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

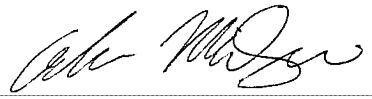
Container Type	A	A	V	A	A	A	P	P
Preservative	A	A	B/F	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	4/9/25, 1000	FAE	4/9/25 1000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ISMP Activity Tracking Form
Former Sperry-Remington Site
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