

12 September 2017

Mr. Timothy Schneider  
New York State Department of Environmental Conservation  
Division of Environmental Remediation, Region 8  
6274 East Avon-Lima Road  
Avon, New York 14414-9519

**Subject: Interim Remedial Measures Work Plan – Amendment #2  
Former Sperry Remington Site – North Portion (#c808022)  
777 South Main Street, City of Elmira, Chemung County, NY**

Dear Mr. Schneider:

On behalf of Unisys Corporation (Unisys), Geosyntec Consultants, Inc. and its New York engineering affiliate, Beech and Bonaparte Engineering, P.C. (collectively, Geosyntec) are submitting this Amendment #2 to the Interim Remedial Measures Work Plan (IRM Work Plan) for the Former Sperry Remington Site – North Portion (Site #c808022) (Site) in Elmira, New York. On 26 April 2016, Unisys applied to enter the Site into the New York State Department of Environmental Conservation (NYSDEC) Brownfields Cleanup Program (BCP) with the consent of Elmira City School District (ECSD). NYSDEC gave an initial determination that the BCP application is complete on 10 June 2016 and received public comments until 22 July 2016. The BCP Agreement for the Site were executed on 23 March 2017. Unisys proposed an IRM at the Site dated 30 June 2017 in accordance with the BCP Agreement, and NYSDEC provided contingent approval upon certain conditions and drawing revisions (3 July 2017). A revised Final IRM Work Plan was submitted to NYSDEC on 11 July 2017 and approved on 10 August 2017.

The purpose of the IRM has been to remove soils within or adjacent to areas of the Site in which ECSD plans to construct capital improvements at Elmira High School (EHS) in 2017 including the tennis courts and main parking lot. IRM construction activities at EHS were substantially completed on 4 September 2017. As communicated to NYSDEC on 13 July 2017, IRM construction in the South Excavation (i.e., main parking lot) was limited to excavation to four (4) feet below ground surface (ft bgs) in the main parking lot and to two (2) ft bgs in areas to the east due to the current schedule for ECSD capital improvements. The balance of the South Excavation will be completed in accordance with the IRM Work Plan at a later date. As a result, the volume of stockpiled soils that are suitable for reuse as backfill below two (2) feet bgs exceeded the volume of backfill currently required. As presented in Amendment #1 to the IRM Work dated 11 August 2017, Unisys requested to modify the material storage area (MSA) at the Southern Tier Commerce Center (STCC) property to the south of the Site for long-term management. NYSDEC gave conditional approval on 10 August 2017<sup>1</sup>. Amendment #1 presented plans for a single soil stockpile and stabilization of the MSA fence for long-term management until 30 September 2018. NYSDEC approved

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<sup>1</sup> Amendment #1 was previously submitted as Amendment #2 on 7 August 2017 and revised 9 August 2017.

the plan to consolidate windrows of stockpiled soils approved for reuse in a single stockpile on 29 August 2017. Material from the temporary haul road was placed in the northeast corner of the stockpile, separated by a demarcation layer pending a request for reuse to be submitted to NYSDEC. Windrow consolidation and fence stabilization were completed on 8 September 2017.

During construction of EHS capital improvements, ECSD has generated or will generate excess soil and other materials potentially suitable for reuse that cannot be managed on EHS property due to insufficient storage capacity or ability to reuse, as presented on **Table 1**. ECSD made a request to Unisys on 1 September 2017 to place material approved by NYSDEC for reuse in the IRM MSA. Approved requests for reuse are included as **Attachment 1**. If approved by NYSDEC, additional reuse materials generated by the EHS capital improvements program (CIP) may be placed in the MSA on an as-needed basis. The remainder of this letter presents the proposed scope of work for placement of those materials in the MSA and an updated schedule.

## **PROPOSED SCOPE OF WORK**

### **Soil Management (Amend Sections 2.1 of IRM Work Plan)**

Material generated by the EHS CIP and approved for reuse will be loaded by ECSD's contractor onto trucks at EHS and transported via South Main Street to the MSA. If loaded in a manner that prevents contact with stockpiled soils outside of the secured bed of the truck, decontamination will not be required in accordance with Sections 02057 and 02130 of the IRM Work Plan Construction Specifications. Should vehicles come into contact with soils outside of the secured bed, they shall be decontaminated prior to leaving EHS using the ECSD-provided equipment wash pad located in the vicinity of the tennis courts. Loading will be observed and documented by a qualified environmental professional (QEP).

Upon arrival at the MSA, trucks will unload in the area designated for EHS CIP stockpiles as shown on the Construction Drawing (**Attachment 1**). Depending on the volume of material, the entire designated area may not be utilized. Trucks will be unloaded in a manner that prevents contact with stockpiled soils outside of the secured bed of the truck. Therefore, decontamination will not be required in accordance with Sections 02057 and 02130 of the IRM Work Plan Construction Specifications. Unloading will be observed and documented by a qualified environmental professional (QEP).

Unloaded soils will be stockpiled and stabilized to secure reuse soils and minimize the potential for contact with precipitation. As shown on the Construction Drawing, stockpiling of EHS CIP soils will include:

- Grading the stockpile to create a single pile no greater than six (6) feet tall (i.e., lower than the top of the fence);
- Covering the stockpiled soils with a heavy-duty tarp (e.g. 12 to 20 mil thickness) that is designed for longer term exposure. The tarp will be manufactured into a single large panel so it will cover the stockpile without requiring unwelded, overlapping panels that could catch the wind;
- Placing gravel at the base of the stockpile so that the tarp is secure and runoff from the tarp gets slowed down before hitting the ground; and

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- Placing sandbags at the base of the berm so that the tarp is secure.

As noted earlier, ECSD may request approval for reuse of additional material in the future. Upon NYSDEC approval, those materials will be transported to the MSA, unloaded in the area designated for future use shown on the Construction Drawing and secured separately as described above.

## HEALTH AND SAFETY

A Site-specific Health and Safety Plan (HASP) was presented in the SC Work Plan and subsequent addenda. Each contractor will be required to prepare a project-specific HASP in accordance with DER-10 to be followed during implementation of the field program.

Community air monitoring will be conducted by ECSD during loading, unloading and stockpiling of soil.

## SCHEDULE AND DELIVERABLES

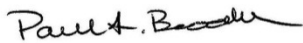
Transport of Stockpile "A" that has been approved for reuse to the MSA will be scheduled upon approval of this IRM Work Plan amendment. Transport of other materials is contingent on NYSDEC approval for reuse. NYSDEC will be notified at least two (2) days prior to the movement of material to the MSA.

## CLOSING

Geosyntec appreciates the opportunity to submit this work plan to the NYSDEC, NYSDOH and ECSD. If you have any questions, please contact Mr. Kevin Krueger of Unisys at (651) 687-2210.

Sincerely,

Geosyntec Consultants, Inc.



Paul Brookner, P.G.  
Principal/Project Director  
Geosyntec Consultants, Inc.



Aron Krasnopoler, Ph.D., P.E.  
Project Engineer/Project Manager  
Beech and Bonaparte Engineering P.C.

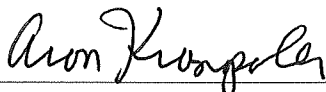
Attachments: Table 1 – Summary of EHS CIP Materials for Potential Reuse  
Attachment 1 – Request for Reuse Forms and Approvals  
Attachment 2 – Construction Drawing

Copies to:	Bernette Schilling, NYSDEC	Kevin Krueger, Unisys
	Ben Conlon, NYSDEC	John H. Paul, Beveridge & Diamond
	Michael Cruden, NYSDEC	Michael G. Murphy, Beveridge & Diamond
	Justin Deming, NYSDOH	Michael Dunn, ECSD
	Dawn Hettrick, NYSDOH	Hillary Austin, ECSD

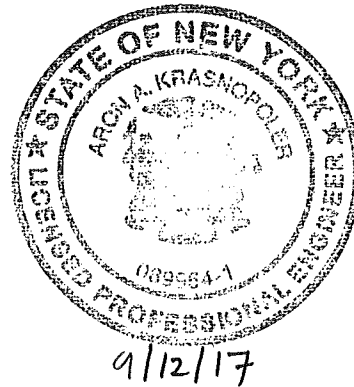
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**Certification**

*I Aron Krasnopoler certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Amendment #2 to the Interim Remedial Measures Work Plan for the Former Sperry Remington Site – North Portion dated 12 September 2017 was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).*



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Aron Krasnopoler, P.E.



# TABLE

**Table 1**

**Summary of EHS CIP Materials for Potential Reuse**

**Former Sperry Remington Site – North Portion**

**Elmira, New York**

<b>Material</b>	<b>Description</b>	<b>Approximate Volume (CY)</b>	<b>Status for Reuse</b>
<b>Stockpile "A"</b>	Soil that was approximately 12 to 18 inches below the northern parking lot subbase material that was removed to achieve grades for the Capital Improvement parking lot project.	500	Approved for Restricted Residential Reuse below cover system on 28 August 2017
<b>Asphalt Millings</b>	Asphalt from demolition of EHS parking lot that was milled for use as subbase material.	500	Beneficial Use Determination (BUD) requested for use as subbase beneath tennis courts. Otherwise, request for Restricted Residential reuse below cover system will be submitted to NYSDEC for approval
<b>Future Excavations</b>	Soil from excavations scheduled for early October 2017	500	This material has not yet been generated and would need to be sampled and analyzed for reuse, per NYSDEC requirements.
<b>Stockpiled Topsoil</b>	Topsoil generated during EHS CIP	300	Topsoil has been sampled and analyzed and contains two PAH compounds slightly above the Restricted Residential Soil Cleanup Objectives. Request for Reuse is pending.
<b>Future Topsoil</b>	Topsoil to the west of former tennis courts to be stripped for regrading for new tennis court construction.	300	This material has not yet been generated and would need to be sampled and analyzed for reuse, per NYSDEC requirements.

ATTACHMENT 1  
REQUEST FOR REUSE FORMS  
AND APPROVALS



**NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



**Request to Import/Reuse Fill or Soil**

\*This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.\*

**SECTION 1 – SITE BACKGROUND**

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

**SECTION 2 – MATERIAL OTHER THAN SOIL**

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?  NA

Is this virgin material from a permitted mine or quarry?  NA

Is this material recycled concrete or brick from a DEC registered processing facility?  NA

**SECTION 3 - SAMPLING**

Provide a brief description of the number and type of samples collected in the space below:

In accordance with DER-10, Table 5.4(e)10, nine (9) discrete samples ("EHS-Reuse12" through "EHS-Reuse16" and "EHS-Reuse18" through "EHS-Reuse21") were collected and analyzed for VOCs. Three composite sample ("EHS-Reuse10C, 11C and 17C") were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides. Samples "EHS-Reuse12" through "EHS-Reuse16", "EHS-Reuse10C" and "EHS-Reuse11C" were collected on August 4, 2017 when the size of the stockpile was ~400 cubic yards. Sampling locations are shown on the attached Daily Field Log for August 4, 2017. Samples "EHS-Reuse18" through "EHS-Reuse21" and "EHS-Reuse17C" were collected on August 10, 2017 when the size of the stockpile was ~2000 cubic yards. No additional soil was placed on the stockpile after these samples were collected.

*Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.*

*If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.*



### SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

None of the analyzed compounds were detected in the soil samples at concentrations above the NYS DER-10 Restricted Residential Soil Cleanup Objectives (SCOs), except as follows. Concentrations of PAH compounds Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, and Indeno(1,2,3-cd)pyrene slightly exceed Restricted Residential Use SCOs in sample "EHS-Reuse17C".

The laboratory's method detection limit for Methylene chloride, 1,2-Dichloroethane, Vinyl Chloride, Acetone, 2-Butanone, and 1,4-Dioxane is above the Restricted Residential Use SCOs in sample EHS-Reuse15. Where the calculated SCO is lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value in accordance with 6 NYCRR Part 375.

Not included with this form, due to excessive file size, are laboratory analytical reports (category B) and data usability summary reports (DUSRs). These documents are available, and can be provided upon request to facilitate review.

*Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.*

*If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.*

### SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Elmira City School District - Owner (NYSDEC Site C#808022)

Location where fill was obtained:

Elmira High School - 777 South Main Street, Elmira, NY

Identification of any state or local approvals as a fill source:

NA

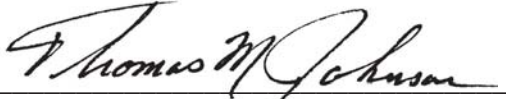
If no approvals are available, provide a brief history of the use of the property that is the fill source:

The property was formerly used for industrial purposes from the late 1880's through the late 1970's. In 1979, the Elmira High School formerly known as the Southside High School) opened and is still operating as a high school. Stockpile "A" consists of soil that was approximately 12 to 18 inches below the northern parking lot subbase material that was removed to achieve grades for the Capital Improvement parking lot project. If approved for reuse, the soil will be used to achieve final grades in the tennis court area beneath the protective cover system.

Provide a list of supporting documentation included with this request:

Soil Analytical Data Summary Tables and Sketch Maps of Sampling Locations (on Daily Field Logs). Not attached due to excessive file size are laboratory analytical reports (Category B), and Data Usability Summary Reports (DUSRs). These supporting materials can be provided upon request.

The information provided on this form is accurate and complete.



Signature

August 24, 2017

Date

Thomas M. Johnson

Print Name

Sterling Environmental Engineering P.C. on behalf of Elmira City School District

Firm



**Request to Reuse Onsite Materials as Fill - Data Summary Tables**  
**Elmira City School District**  
**Elmira High School, Elmira, NY**  
**Former Sperry Remington - North Portion BCP Site #C808022.**

LOCATION	NY- DER10- RRU	Units	EHS-REUSE 17C 8/10/2017 Results	EHS-REUSE 18 8/10/2017 Results	EHS-REUSE 19 8/10/2017 Results	EHS-REUSE 20 8/10/2017 Results	EHS-REUSE 21 8/10/2017 Results
<b>Chlorinated Herbicides by GC</b>							
2,4,5-TP (Silvex)	3.8	mg/kg	0.181 U	-	-	-	-
<b>General Chemistry</b>							
Chromium, Trivalent	180	mg/kg	8.5	-	-	-	-
Solids, Total		%	90.8	90.1	89.8	84.8	89.4
Cyanide, Total	27	mg/kg	0.6 J	-	-	-	-
Chromium, Hexavalent	19	mg/kg	0.88 U	-	-	-	-
<b>Organochlorine Pesticides by GC</b>							
Delta-BHC	0.25	mg/kg	0.00174 U	-	-	-	-
Lindane	0.1	mg/kg	0.000724 U	-	-	-	-
Alpha-BHC	0.02	mg/kg	0.000724 U	-	-	-	-
Beta-BHC	0.09	mg/kg	0.00174 U	-	-	-	-
Heptachlor	0.38	mg/kg	0.00271	-	-	-	-
Aldrin	0.097	mg/kg	0.00174 U	-	-	-	-
Endrin	0.06	mg/kg	0.000724 U	-	-	-	-
Dieldrin	0.1	mg/kg	0.00109 U	-	-	-	-
4,4'-DDE	8.9	mg/kg	0.00174 U	-	-	-	-
4,4'-DDD	13	mg/kg	0.00174 U	-	-	-	-
4,4'-DDT	7.9	mg/kg	0.00326 U	-	-	-	-
Endosulfan I	24	mg/kg	0.00174 U	-	-	-	-
Endosulfan II	24	mg/kg	0.00174 U	-	-	-	-
Endosulfan sulfate	24	mg/kg	0.000724 U	-	-	-	-
cis-Chlordane	2.9	mg/kg	0.00217 U	-	-	-	-
<b>Polychlorinated Biphenyls by GC</b>							
Aroclor 1016	1	mg/kg	0.0361 U	-	-	-	-
Aroclor 1221	1	mg/kg	0.0361 U	-	-	-	-
Aroclor 1232	1	mg/kg	0.0361 U	-	-	-	-
Aroclor 1242	1	mg/kg	0.0361 U	-	-	-	-
Aroclor 1248	1	mg/kg	0.25	-	-	-	-
Aroclor 1254	1	mg/kg	0.166	-	-	-	-
Aroclor 1260	1	mg/kg	0.0683	-	-	-	-
Aroclor 1262	1	mg/kg	0.0361 U	-	-	-	-
Aroclor 1268	1	mg/kg	0.0361 U	-	-	-	-
PCBs, Total	1	mg/kg	0.484	-	-	-	-
<b>Semivolatile Organics by GC/MS</b>							
Acenaphthene	98	mg/kg	0.061 J	-	-	-	-
Hexachlorobenzene	1.2	mg/kg	0.11 U	-	-	-	-
Fluoranthene	100	mg/kg	2.1	-	-	-	-
Naphthalene	12	mg/kg	0.21	-	-	-	-
Benzo(a)anthracene	1	mg/kg	1.1	-	-	-	-
Benzo(a)pyrene	1	mg/kg	1	-	-	-	-
Benzo(b)fluoranthene	1	mg/kg	1.4	-	-	-	-
Benzo(k)fluoranthene	1.7	mg/kg	0.46	-	-	-	-
Chrysene	1	mg/kg	1.1	-	-	-	-
Acenaphthylene	100	mg/kg	0.26	-	-	-	-
Anthracene	100	mg/kg	0.33	-	-	-	-
Benzo(ghi)perylene	100	mg/kg	0.81	-	-	-	-
Fluorene	100	mg/kg	0.067 J	-	-	-	-
Phenanthrene	100	mg/kg	0.99	-	-	-	-
Dibenzo(a,h)anthracene	0.33	mg/kg	0.19	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	0.84	-	-	-	-
Pyrene	100	mg/kg	1.9	-	-	-	-
Dibenzofuran	59	mg/kg	0.061 J	-	-	-	-
Pentachlorophenol	0.8	mg/kg	0.14 U	-	-	-	-
Phenol	0.33	mg/kg	0.18 U	-	-	-	-
2-Methylphenol	0.33	mg/kg	0.18 U	-	-	-	-
3-Methylphenol/4-Methylphenol	0.33	mg/kg	0.26 U	-	-	-	-
<b>Total Metals</b>							
Arsenic, Total	16	mg/kg	5.3	-	-	-	-
Barium, Total	400	mg/kg	67.8	-	-	-	-
Beryllium, Total	47	mg/kg	0.287	-	-	-	-
Cadmium, Total	4.3	mg/kg	0.435 U	-	-	-	-
Chromium, Total		mg/kg	8.52	-	-	-	-
Copper, Total	270	mg/kg	32.6	-	-	-	-
Lead, Total	400	mg/kg	30.4	-	-	-	-
Manganese, Total	2000	mg/kg	350	-	-	-	-
Mercury, Total	0.73	mg/kg	0.05 J	-	-	-	-
Nickel, Total	130	mg/kg	11.4	-	-	-	-
Selenium, Total	4	mg/kg	0.418 J	-	-	-	-
Silver, Total	8.3	mg/kg	0.435 U	-	-	-	-
Zinc, Total	2480	mg/kg	53.1	-	-	-	-
<b>Volatile Organics by GC/MS</b>							
Methylene chloride	0.05	mg/kg	-	0.0094 U	0.0088 U	0.0088 U	0.009 U
1,1-Dichloroethane	0.27	mg/kg	-	0.0014 U	0.0013 U	0.0013 U	0.0014 U
Chloroform	0.37	mg/kg	-	0.0014 U	0.0013 U	0.0013 U	0.0014 U
Carbon tetrachloride	0.76	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
Tetrachloroethene	1.3	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
Chlorobenzene	1.1	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
1,2-Dichloroethane	0.02	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
1,1,1-Trichloroethane	0.68	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
Benzene	0.06	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
Toluene	0.7	mg/kg	-	0.0014 U	0.0013 U	0.0013 U	0.0014 U
Ethylbenzene	1	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
Vinyl chloride	0.02	mg/kg	-	0.0019 U	0.0018 U	0.0018 U	0.0018 U
1,1-Dichloroethene	0.33	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
trans-1,2-Dichloroethene	0.19	mg/kg	-	0.0014 U	0.0013 U	0.0013 U	0.0014 U
Trichloroethene	0.47	mg/kg	-	0.00094 U	0.00074 U	0.00088 U	0.0009 U
1,2-Dichlorobenzene	1.1	mg/kg	-	0.0047 U	0.0044 U	0.0044 U	0.0045 U
1,3-Dichlorobenzene	2.4	mg/kg	-	0.0047 U	0.0044 U	0.0044 U	0.0045 U
1,4-Dichlorobenzene	1.8	mg/kg	-	0.0047 U	0.0044 U	0.0044 U	0.0045 U
Methyl tert butyl ether	0.93	mg/kg	-	0.0019 U	0.0018 U	0.0018 U	0.0018 U
p/m-Xylene		mg/kg	-	0.0019 U	0.0018 U	0.0018 U	0.0018 U
o-Xylene		mg/kg	-	0.0019 U	0.0018 U	0.0018 U	0.0018 U
cis-1,2-Dichloroethene	0.25	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
Acetone	0.05	mg/kg	-	0.0094 U	0.0088 U	0.0029 J	0.009 U
2-Butanone	0.12	mg/kg	-	0.0094 U	0.0088 U	0.0088 U	0.009 U
n-Butylbenzene	12	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
sec-Butylbenzene	11	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
tert-Butylbenzene	5.9	mg/kg	-	0.0047 U	0.0044 U	0.0044 U	0.0045 U
n-Propylbenzene	3.9	mg/kg	-	0.00094 U	0.00088 U	0.00088 U	0.0009 U
1,3,5-Trimethylbenzene	8.4	mg/kg	-	0.0047 U	0.0044 U	0.0044 U	0.0045 U
1,2,4-Trimethylbenzene	3.6	mg/kg	-	0.0047 U	0.0044 U	0.0044 U	0.0045 U
1,4-Dioxane	0.1	mg/kg	-	0.038 U	0.035 U	0.035 U	0.036 U

\*NY-DER10-RRU: New York DER-10 Restricted Residential Use Allowable Constituent Levels for Imported Fill & Soil Criteria per DER-10 Technical Guidance for Site Investigation & Remediation issued May 3, 2010.  
U - Not detected at the reported detection limit for the sample.  
J - Analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.  
Values highlighted in yellow indicate the sample reporting limit exceeds NY-DER10-RRU.  
Values highlighted in gray indicate Method Detection Limit exceeds NY-DER10-RRU.

STERLING ENVIRONMENTAL ENGINEERING, P.C.

24 Wade Road  
Latham, N.Y. 12110

DAILY FIELD LOG

Project No: 28014

Day: Friday Date: 8/4/17

Project Name: Elmira 2017 Capital Improvements

Work Period 6am - 5:30pm

Weather: 65°F, p. sunny, 2-5MPH SSE (am)

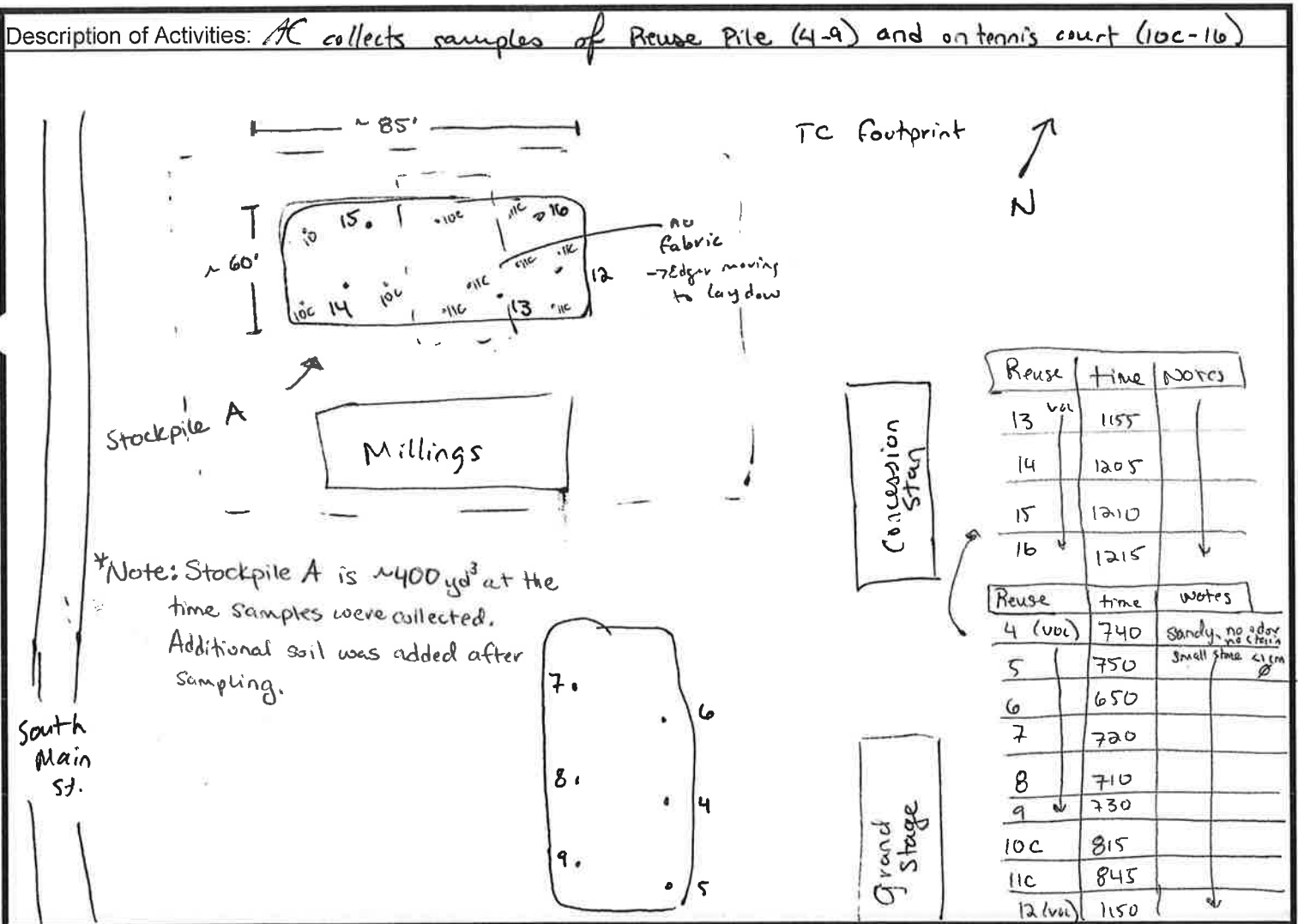
Completed by: AME

Personnel On Site: A. Castignetti, A. Post (pm)

Contractor On Site: Edger Enterprises, Inc.

Others On Site: Pylon Construction John Mills

Description of Activities: AC collects samples of Reuse Pile (4-9) and on tennis court (10c-16)



STERLING Equipment On-site: CAMP Monitoring Equipment

Contractor Equipment On-site: Excavators (large/small), road roller, bull dozer, forklift, water truck, large dump trucks, gps, tamper (large push/jumping jack)

Signature: [Signature]

Date: 8/4/17

**STERLING ENVIRONMENTAL ENGINEERING, P.C.**

24 Wade Road  
Latham, N.Y. 12110

**DAILY FIELD REPORT**

Project No: 28014

Day: Thursday

Date: 8/10/17

Project Name: Elmira - 2017 Capital Improvements

Work Period \_\_\_\_\_

Weather: Sunny, Mid-80's

Completed by: AKP

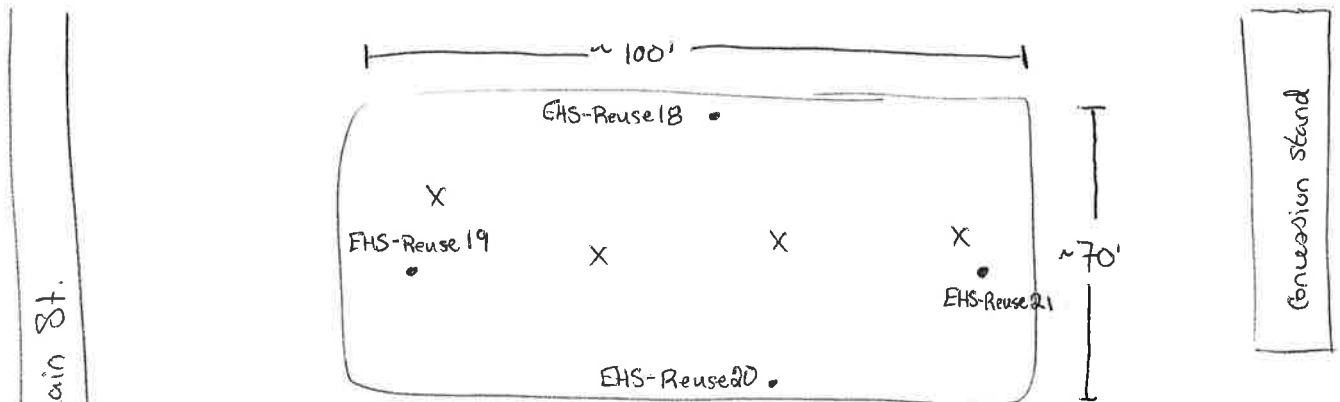
Personnel On Site: Amanda Post, Tom Johnson

Contractor On Site: Edger Enterprises, Inc.

Others On Site: ATL, Rycon, Mills, Honson Concrete, Dimon & Bacon

Description of Activities: Soil sampling locations for Pile A.

• = (locations of VOC grab samples ("EHS-Reuse 18 - 21").



X = locations of soil grab samples used for composite sample "EHS-Reuse 17C".

\* NOTE: Stockpile A is ~2000yd<sup>3</sup> at the time of sampling. No additional soil was placed on the pile after sampling activities.

STERLING Equipment On-site: CAMP Monitoring Equipment

Contractor Equipment On-site: Jumping Jack, road roller, tamper, forklifts, gcs, excavator, water truck, dump truck, concrete saw, 2 wheel loaders, bull dozer

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**From:** [Schneider, Timothy A \(DEC\)](#)  
**To:** [Tom Johnson](#)  
**Cc:** [jplumley.welliver@gmail.com](#); [mdunn@elmiracityschools.com](#); [Amanda Castignetti](#); [Amanda Post](#); [Rod Aldrich](#); [Beverly Commerford](#); [AKrasnopoler@Geosyntec.com](#); [kevin.krueger@unisys.com](#); [Paul Brookner](#); [Schilling, Bernette \(DEC\)](#); [Foti, Scott J \(DEC\)](#); [Williams, Scott F \(DEC\)](#)  
**Subject:** RE: Request of Import/Reuse Fill or Soil Form; Elmira High School (Site C#808022), Stockpile "A".  
**Date:** Monday, August 28, 2017 4:39:17 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

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Hi Tom,

I have reviewed the 24 August 2017 request to reuse stockpile A soils package. Chemical analyses of the soil, completed by the ELAP certified lab Alpha Analytical and validated by Alpha Geoscience on August 11 and 18, 2017, indicates the minor exceedance of DER-10 appendix 5 for Restricted Residential site use criteria for a few SVOC constituents in one of three composite samples.

PCBs were detected in three of three composite samples however concentrations were all below 1 mg/kg Restricted Residential criteria. Trichloroethene was detected in five of nine grab samples however concentrations were all below unrestricted use criteria.

Concentrations of SVOCs are not indicative of source levels of constituents and therefore may be re-used as requested below the asphalt tennis court cover systems at the Former Sperry Remington – North Portion Site #C808022.

Please provide “as-built” documentation of the area and depths where these soils are placed for future site management purposes.

Best Regards,

Tim

**Timothy A. Schneider P.E.**

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](mailto:timothy.schneider@dec.ny.gov)

[www.dec.ny.gov](http://www.dec.ny.gov) |  | 

---

**From:** Tom Johnson [<mailto:johnsont@sterlingenvironmental.com>]

**Sent:** Thursday, August 24, 2017 5:19 PM

**To:** Schneider, Timothy A (DEC) <[timothy.schneider@dec.ny.gov](mailto:timothy.schneider@dec.ny.gov)>

**Cc:** jplumley.welliver@gmail.com; mdunn@elmiracityschools.com; Amanda.Castignetti@SterlingEnvironmental.com; Amanda Post <amanda.post@sterlingenvironmental.com>; Rod Aldrich <rod.aldrich@sterlingenvironmental.com>; Beverly Commerford <beverly.commerford@sterlingenvironmental.com>; AKrasnopoler@Geosyntec.com; kevin.krueger@unisys.com

**Subject:** Request of Import/Reuse Fill or Soil Form; Elmira High School (Site C#808022), Stockpile "A".

**ATTENTION:** This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Tim:

Attached is a NYSDEC *Request of Import/Reuse Fill or Soil Form* for soil currently staged at the Elmira High School (Site C#808022), currently designated as Stockpile "A". Stockpile "A" consists of soil that was approximately 12 to 18 inches below the northern parking lot subbase material that was removed to achieve grades for the Capital Improvement parking lot project.

As indicated on the soil analytical summary table attached to the form, the analyzed compounds were not detected in most samples; however, very low concentrations of PAH compounds, slightly above the Restricted Residential Soil Cleanup Objectives, were detected in one composite sample. If approved for reuse, the soil in Stockpile A will be used to achieve final grades in the tennis court area beneath the protective cover system. The protective cover will eliminate potential exposure to the reused soil, except in the case of future intrusive ground disturbance, which will be controlled by a Site Management Plan.

The applicant will be resuming work in the tennis court area on September 5, 2017 or soon thereafter. Accordingly, we would appreciate expeditious review of the attached request for on-site soil reuse.

Please feel free to contact me with any questions regarding the attached request, or if you need further information.

Best Regards,

Tom

**Tom Johnson, CPG**  
**Senior Hydrogeologist**  
**Sterling Environmental Engineering, P.C.**  
24 Wade Road  
Latham, New York 12110  
Telephone: (518) 456-4900  
Fax: (518) 456-3532  
[Thomas.Johnson@sterlingenvironmental.com](mailto:Thomas.Johnson@sterlingenvironmental.com)  
[www.sterlingenvironmental.com](http://www.sterlingenvironmental.com)

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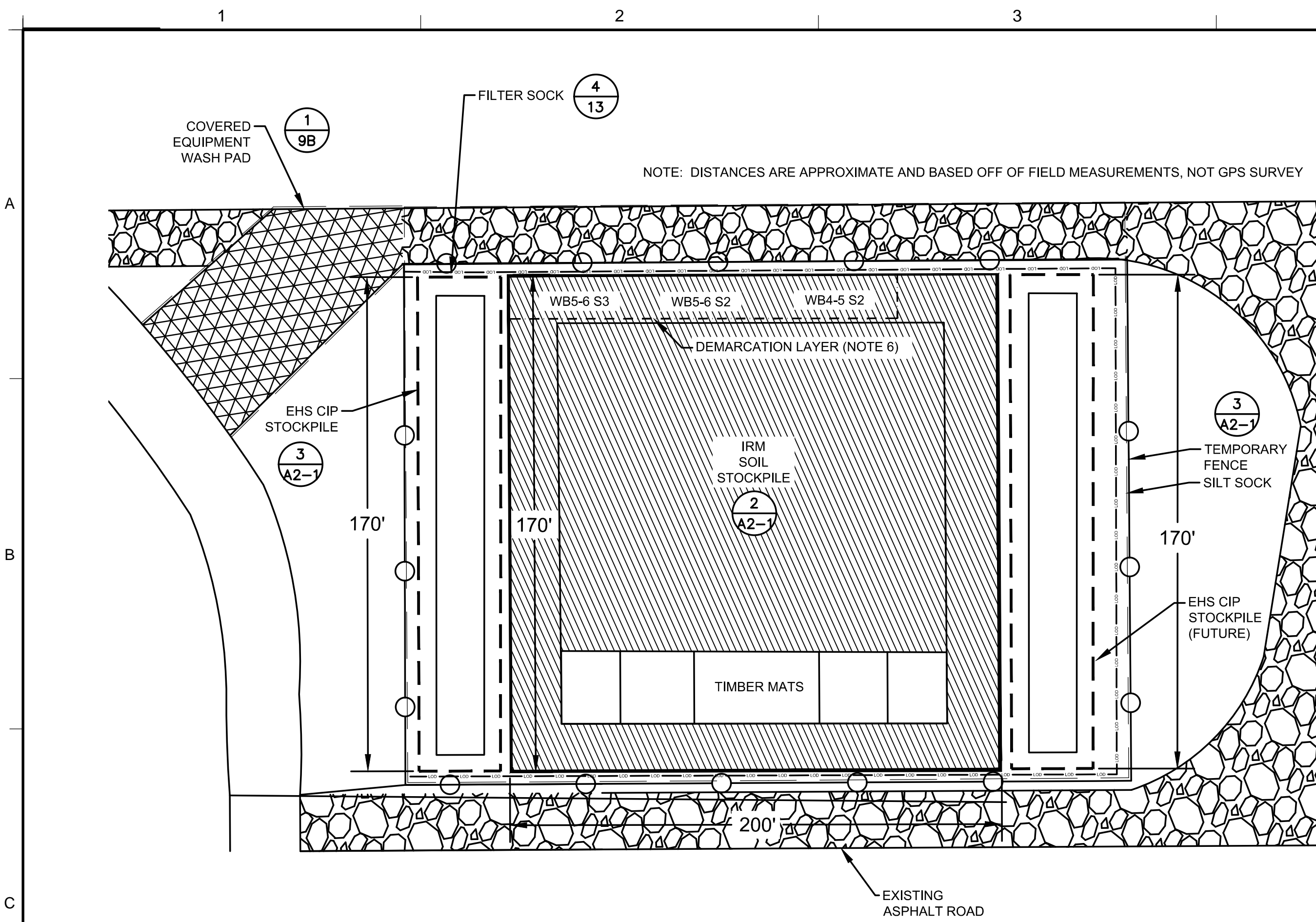


To: [Remove](#) this sender from my allow list  
[johnsont@sterlingenvironmental.com](mailto:johnsont@sterlingenvironmental.com)

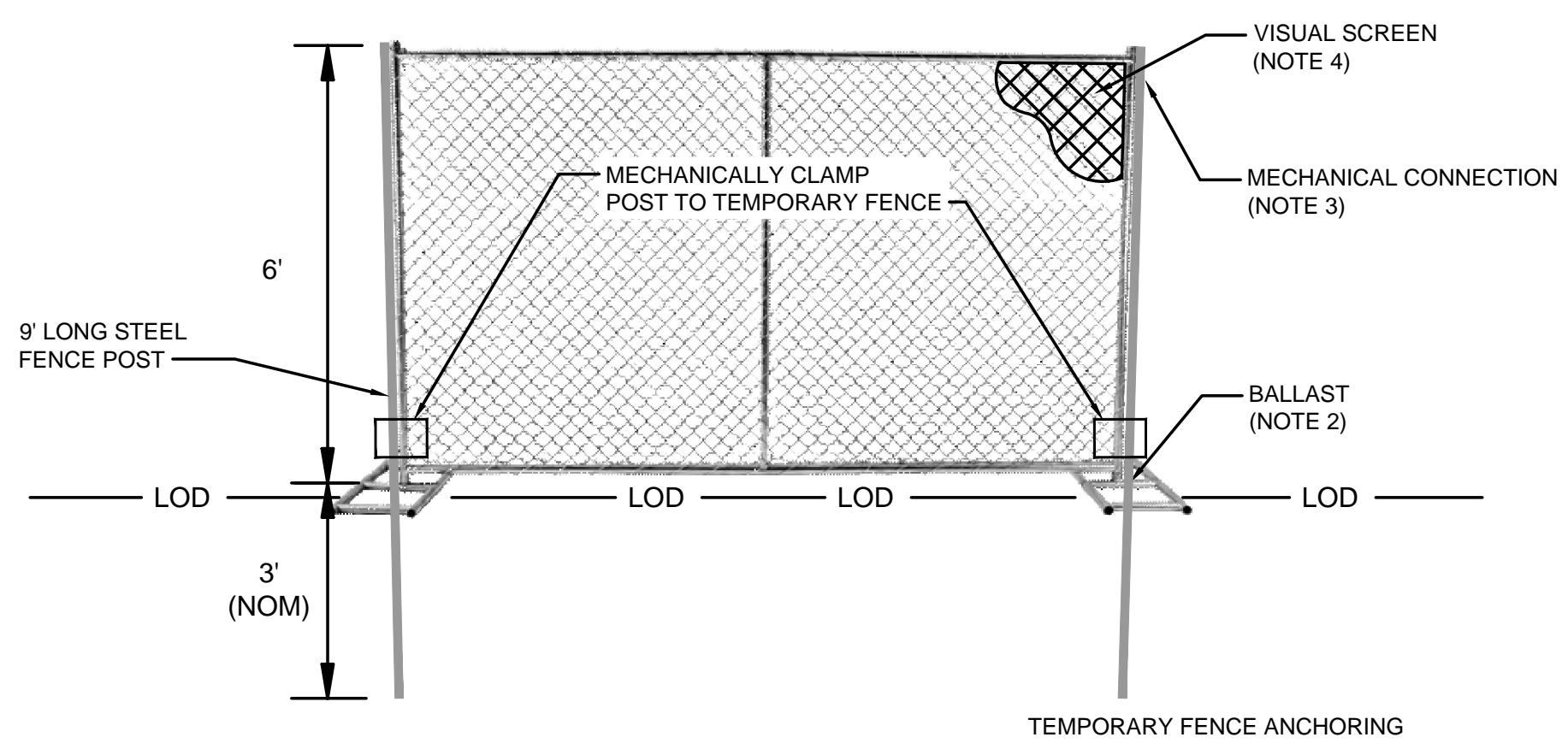
From:  
timothy.schneider@dec.ny.gov

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**ATTACHMENT 2**  
**CONSTRUCTION DRAWING**

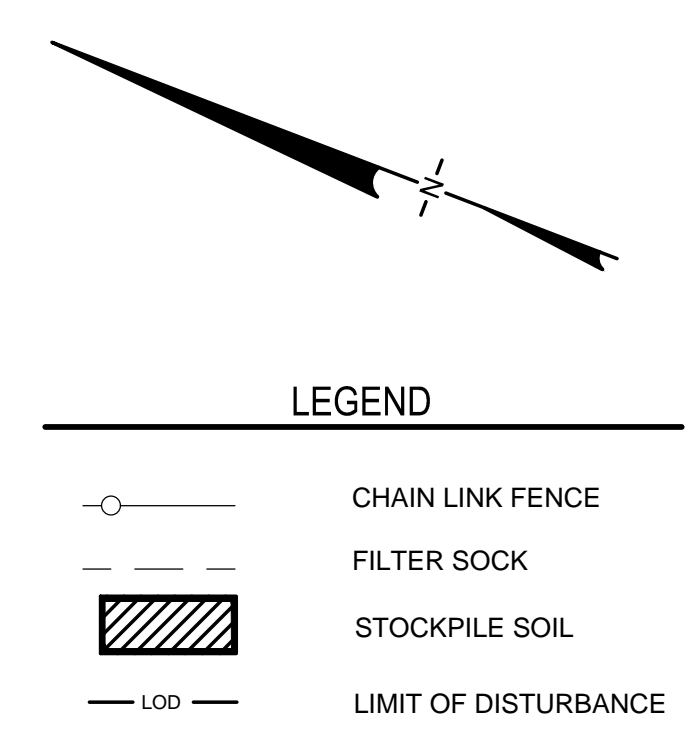


1 PLAN STOCKPILE AREA

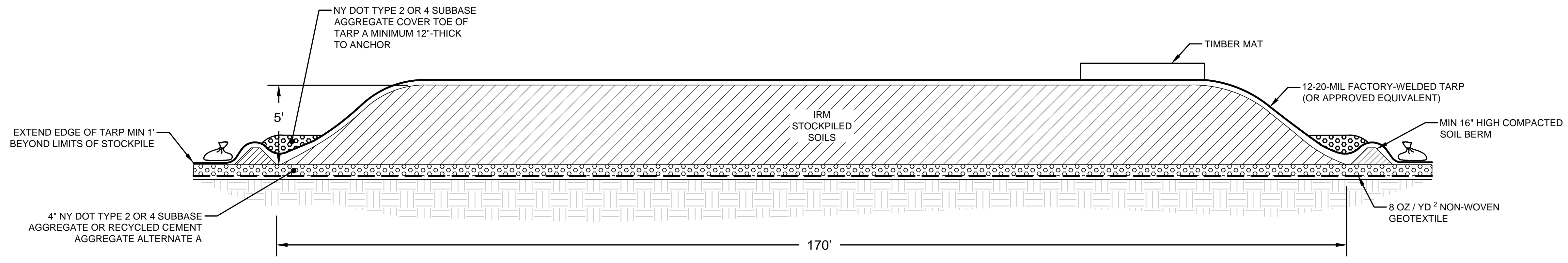


3 PLAN TEMPORARY FENCE

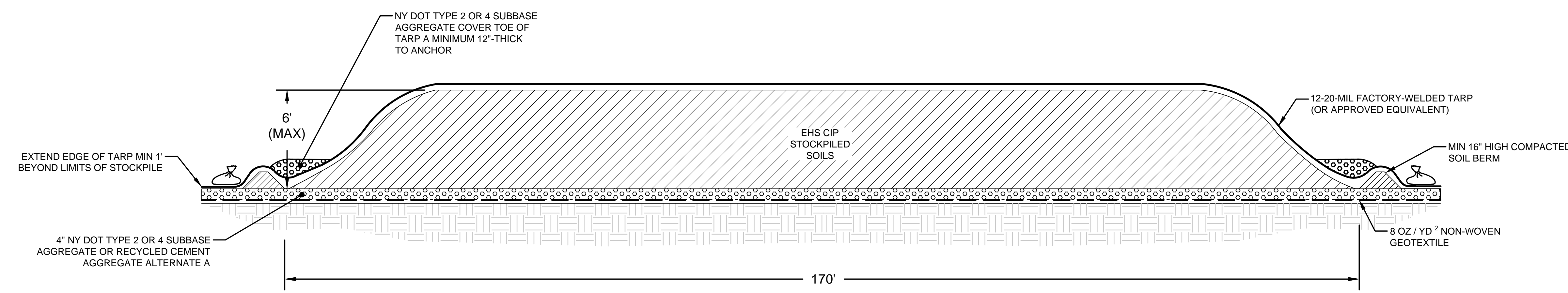
- NOTES:
1. PROVIDE 6-FT TALL, PORTABLE CHAIN-LINK FENCE PANELS, SET ON THE EXISTING GROUND SURFACE, COINCIDENT WITH THE LIMIT OF CONSTRUCTION DISTURBANCE.
  2. REPLACE TEMPORARY BALLAST WITH DRIVEN POSTS AS SHOWN, TO PREVENT OVERTURNING OF THE FENCE PANELS.
  3. PROVIDE FLEXIBLE, MECHANICAL CONNECTION, BETWEEN FENCE PANELS.
  4. PROVIDE FULL-COVERAGE VISUAL SCREENING OVER EACH ENTIRE FENCE PANEL.



- NOTES:
1. CONTRACTOR SHALL UTILIZE EARTH DIKE, COMPOST FILTER SOCK, AND DEWATERING SUMP PIT.
  2. CONTRACTOR SHALL PLACE A HEAVY-DUTY TARP (12 TO 20 MIL THICKNESS) THAT IS DESIGNED FOR LONGER TERM EXPOSURE OVER THE ENTIRE STOCKPILE. THE TARP SHALL BE FACTORY-WELDED BY THE MANUFACTURER INTO A SINGLE LARGE PANEL TO COVER THE STOCKPILE.
  3. CONTRACTOR SHALL PLACE GRAVEL AROUND THE ENTIRE PERIMETER BASE OF THE TARP SO THAT IT IS SECURE AND RUNOFF FROM THE TARP IS SLOWED BEFORE RUNNING ONTO SURROUNDING GROUND.
  4. TIMBER MATS FROM EQUIPMENT WASH PAD(S) MAY BE PLACED ON TOP OF THE TARP TO CREATE AN INSPECTION WALKWAY AS WELL AS ADDITIONAL ANCHORING..
  5. CONTRACTOR SHALL SECURE TEMPORARY 6' TALL CHAIN LINK FENCING PARALLEL TO THE LIMITS OF CONSTRUCTION DISTURBANCE. FENCING SHALL INCLUDE VISUAL SCREENING. SEE DRAWINGS FOR DETAILS.
  6. MATERIAL FROM IRM WINDROWS WB4-5 S2, SB5-6S2, AND SB5-6 S3 ARE PENDING APPROVAL FROM NYSDEC FOR REUSE. A DEMARICATION LAYER WAS PLACED PRIOR TO STOCKPILING OF THOSE WINDROW SECTIONS IN THE IRM STOCKPILE AS SHOWN.



2 DETAIL SOIL STOCKPILE (FRONT VIEW)



3 DETAIL EHS CIP SOIL STOCKPILE (FRONT VIEW)

2	9/11/17	ADD EHS CIP MATERIAL		
1	9/5/17	FIELD MODIFICATIONS		
REV	DATE	DESCRIPTION	DRN	APP
<p>Beech and Bonaparte<sup>®</sup> engineering p.c. an affiliate of Geosyntec Consultants</p> <p><b>UNISYS</b></p>				
TITLE: MATERIAL STAGING AREA (MSA) PLAN				
PROJECT: INTERIM REMEDIAL MEASURE				
SITE: ELMIRA HIGH SCHOOL ELMIRA, NEW YORK				
<p>DESIGN BY: AK</p> <p>DRAWN BY: BGF</p> <p>CHECKED BY: TBR</p> <p>REVIEWED BY: PLB</p> <p>APPROVED BY: AK</p>		<p>DATE: AUGUST 2017</p> <p>PROJECT NO.: MN0832</p> <p>FILE: Stockpile Detail</p> <p>DRAWING NO.: A2-1</p>		