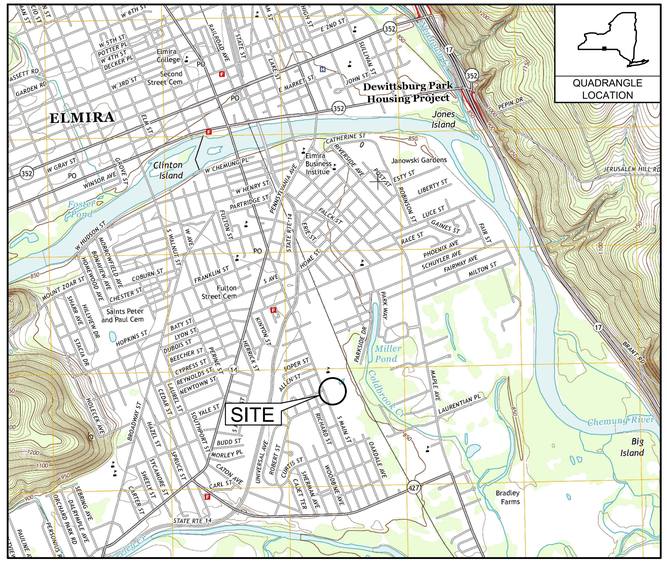
INTERIM REMEDIATION MEASURE #5

AMENDMENT #2

FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

MARCH 2021



SOURCE: "ELMIRA, NEW YORK" USGS 7.5' QUANDRANGLE, 2013 SCALE: 1" = 2000'

LOCATION MAP

LIST OF DRAWINGS	
NUMBER	TITLE
1	TITLE SHEET
2	EXISTING CONDITIONS
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10	4-6 FT EXCAVATION
11	6-8 FT EXCAVATION
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PREPARED FOR: UNISYS CORPORATION

CORPORATE ENVIRONMENTAL AFFAIRS
3199 PILOT KNOB ROAD MS F1B05
EAGAN, MN 55121

PREPARED BY: B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

10211 WINCOPIN CIRCLE, FLOOR 4
COLUMBIA, MD 20144
PHONE: (410) 381-4333

4 — DETAIL NUMBER
6 — DRAWING ON WHICH ABOVE DETAIL IS PRESENTED

DETAIL NUMBER
DRAWING ON WHICH ABOVE DETAIL WAS FIRST REFERENCED
4 / 3 — DETAIL / TITLE OF DETAIL
SCALE: 1" = 2'

EXAMPLE: DETAIL NUMBER 4 PRESENTED ON DRAWING NUMBER 6 WAS REFERENCED FOR THE FIRST TIME ON DRAWING NUMBER 3.

ABOVE SYSTEM ALSO APPLIES TO SECTION IDENTIFICATIONS.

DETAIL IDENTIFICATION LEGEND

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
4	10/8/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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		

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UNISYS

TITLE: TITLE SHEET

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK — ANDREW A. KRASNOVYLOV — 089954-1 — LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-601
REVIEWED BY:	AK	DRAWING NO.:	1 OF 24
APPROVED BY:	AK		

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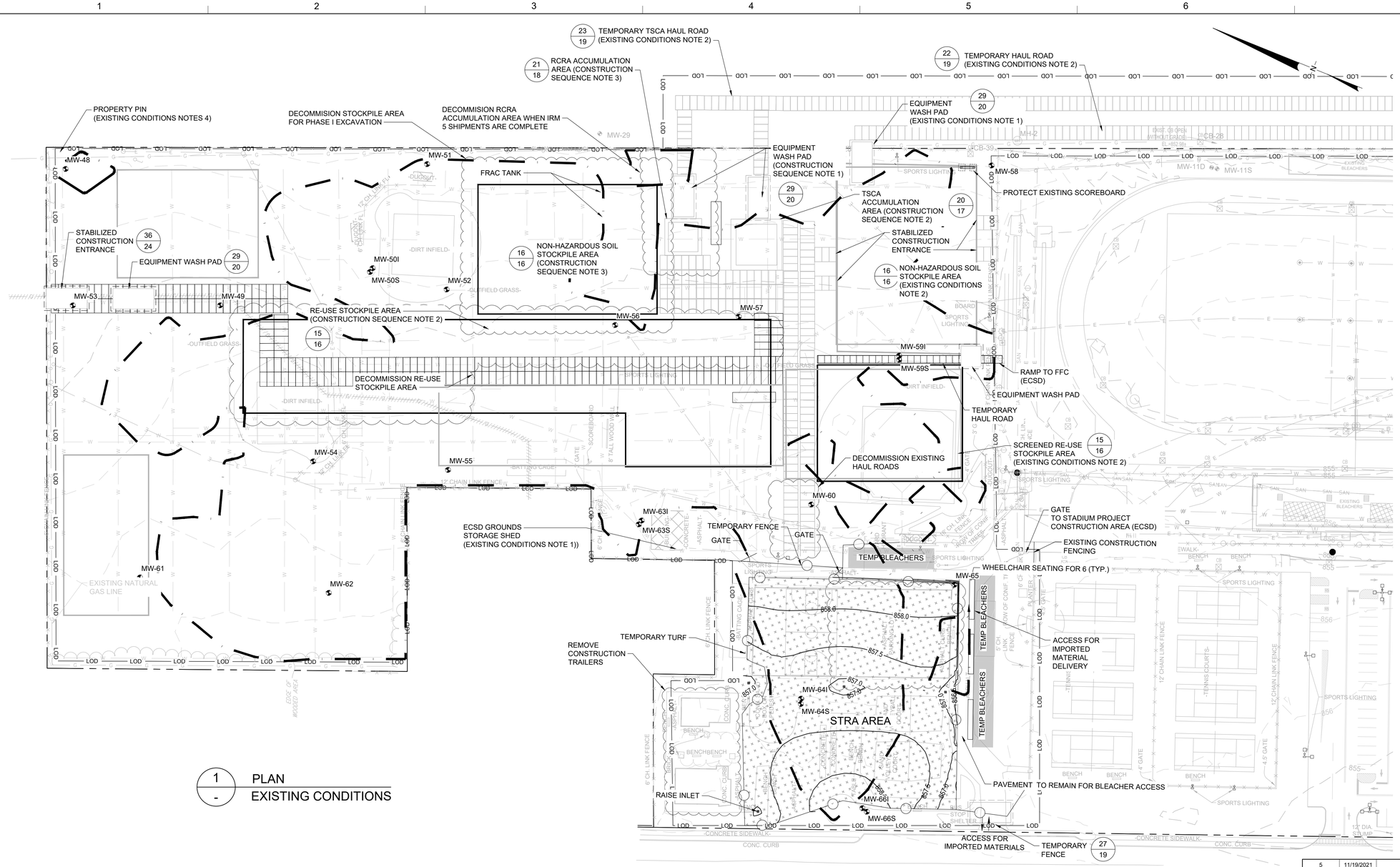

1 / - PLAN EXISTING CONDITIONS

LEGEND

	MANHOLE
	CATCH BASIN
MH	MANHOLE
CMP	CULVERT PIPE
X X X X X	CHAIN LINK FENCE
	WOODEN FENCE
	PROPERTY LINE
90	EXISTING CONTOUR LINE
	EDGE OF WATER
	EDGE OF WOODS OR BRUSH
UE E	BURIED ELECTRIC CABLE
SAN	SANITARY SEWER
ST	STORM SEWER
G G	NATURAL GAS LINE
G G	DEACTIVATED GAS LINE
W	WATER LINE
FO	BURIED FIBER OPTIC CABLE
	EXCAVATION LIMITS
LOD	LIMIT OF DISTURBANCE
	TREE
MW-64I	MONITORING WELLS

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 TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING SOILS WITH ≥ 50 MG/KG PCBS TO THE TSCA ACCUMULATION AREA. SEE SHEETS 8 TO 15
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.

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
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4	10/8/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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UNISYS

TITLE: EXISTING CONDITIONS

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ANDREW A. KRASNOVSKY · 089954 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-503-01
REVIEWED BY:	AK	DRAWING NO.:	2 OF 24
APPROVED BY:			

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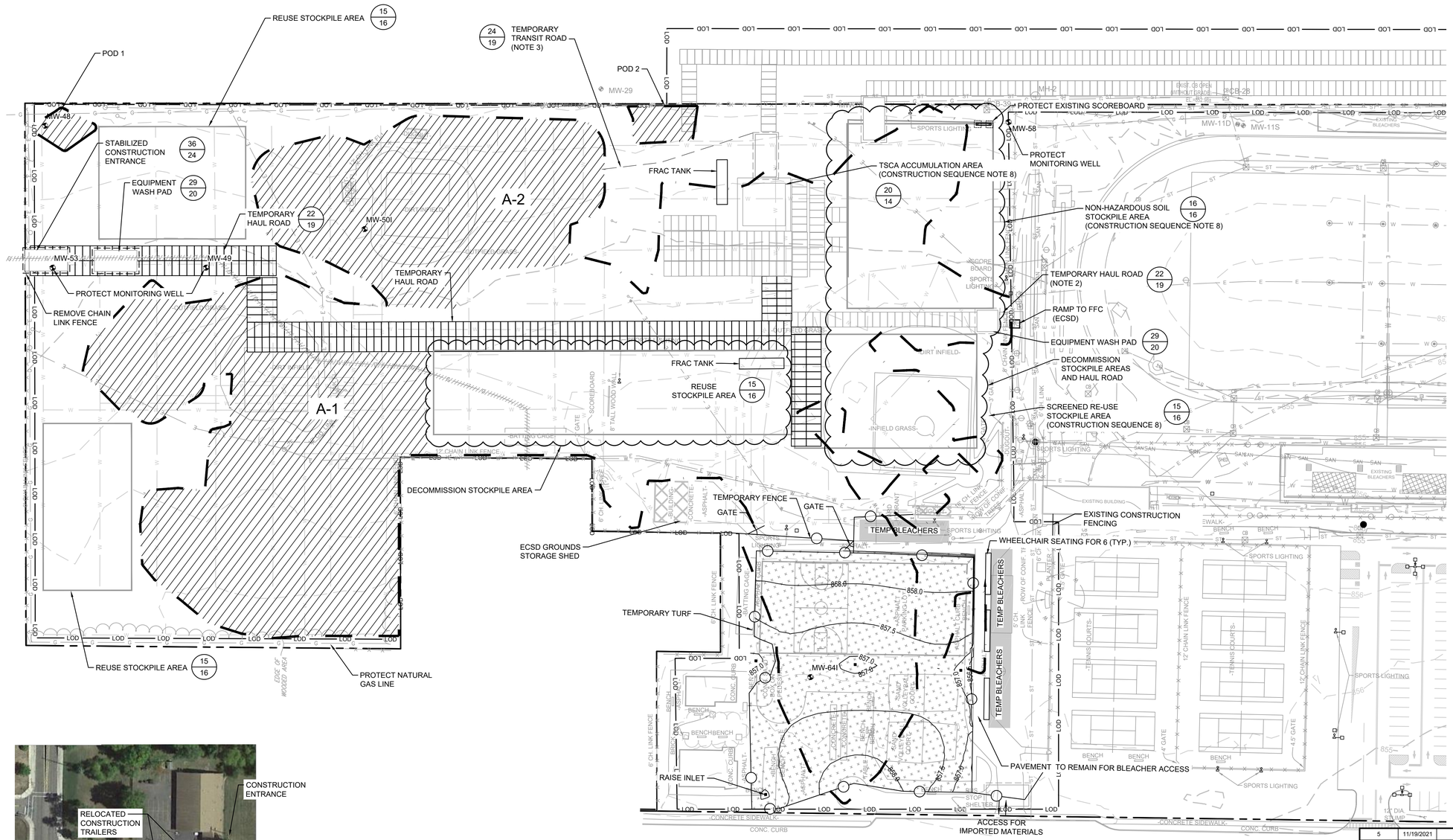

2 / - PLAN
SITE WORK PLAN PHASE 1

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
- PHASE 1 EXCAVATION
- A-2 EXCAVATION AREA
- MW-64I MONITORING WELLS

PHASE I CONSTRUCTION SEQUENCE:

1. CONSTRUCT TEMPORARY HAUL ROADS AND CONSTRUCTION ENTRANCE TO KEEFE ST.
2. CLEAR THE CONSTRUCTION AREA WITHIN LIMITS OF DISTURBANCE AS SHOWN ON DRAWING 6
3. EXCAVATE ACCESSIBLE SOILS TO THE GRADES SHOWN ON DRAWING 5. SEE SECTION 02 61 13. SEGREGATE INTO SOILS WITH TOTAL PCBS ≥ 50 MG/KG FOR DISPOSAL, SOILS WITH TOTAL PCBS < 50 BUT ≥ 10 MG/KG FOR DISPOSAL, AND SOILS WITH TOTAL < 10 MG/KG FOR POTENTIAL RE-USE AS BACKFILL AS SHOWN ON DRAWINGS 8 TO 15.
4. REMOVE EXISTING UTILITIES WITHIN LIMITS OF EXCAVATION AS SHOWN ON DRAWINGS 7 IN ORDER TO COMPLETE EXCAVATION. CAP OR OTHERWISE PRESERVE ENDS OF UTILITIES TO ENABLE RE-CONNECTION IN-KIND REPLACEMENTS. REMOVED UTILITIES SHALL BE CHARACTERIZED FOR OFF-SITE DISPOSAL.
5. BACKFILL THE EXCAVATION USING STOCKPILED SOILS THAT ARE APPROVED FOR RE-USE TO GRADES SHOWN ON DRAWING 21. SEE DETAIL 28 ON DRAWING 19. CONFIRMATION SAMPLING AND APPROVAL TO BACKFILL SHALL BE REQUIRED PRIOR TO BACKFILLING.
6. CONTINUE BACKFILLING THE EXCAVATION USING IMPORTED TO GRADES SHOWN ON DRAWING 22 IF NECESSARY. SEE DETAIL 28 ON DRAWING 19. CONFIRMATION SAMPLING AND APPROVAL TO BACKFILL SHALL BE REQUIRED PRIOR TO BACKFILLING.
7. DECOMMISSION AND DECONSTRUCT TSCA ACCUMULATION AREA AFTER TSCA WASTE SHIPMENTS HAVE BEEN COMPLETED.
8. DECOMMISSION AND DECONSTRUCT PHASE I NON-HAZARDOUS AND RE-USE STOCKPILES AND ASSOCIATED HAUL ROADS AS SHOWN.

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. ECSD CONTRACTOR SHALL HAVE ACCESS TO FOOTBALL FIELD COMPLEX VIA VFW CONSTRUCTION ENTRANCE. IRM CONTRACTOR AND ECSD CONTRACTOR SHALL COORDINATE TRUCK TRAFFIC.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
4	10/8/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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		

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UNISYS

TITLE: SITE WORK PLAN PHASE 1

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · AARON A. KRASNOVSKIY · 089954 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-503-002
REVIEWED BY:	AK	DRAWING NO.:	3 OF 24
APPROVED BY:	AK		

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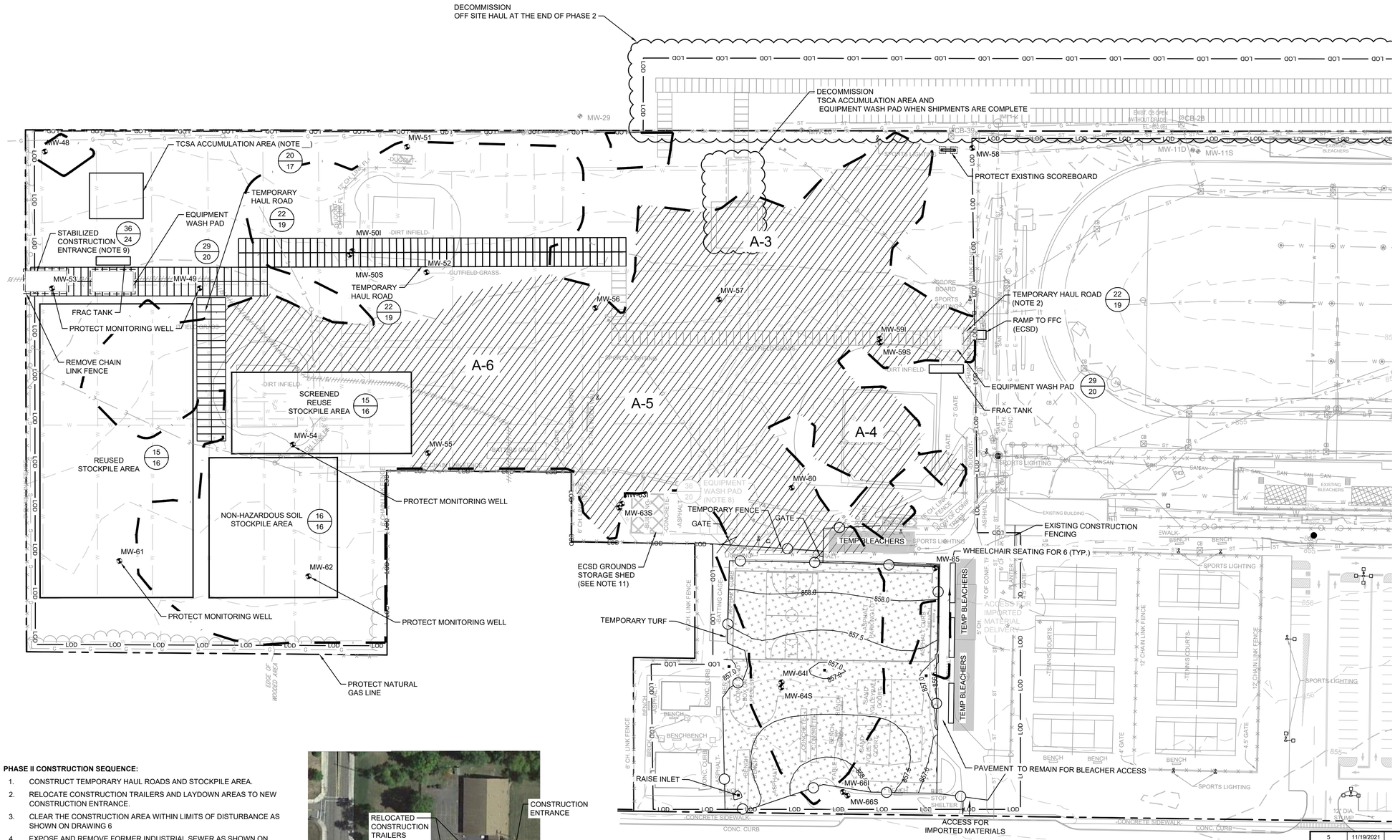
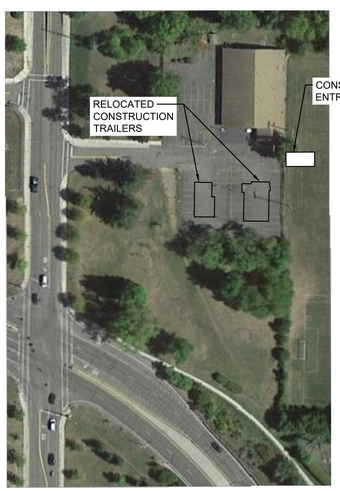


LEGEND

- 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
- PHASE 2 EXCAVATION
- MONITORING WELLS

PHASE II CONSTRUCTION SEQUENCE:

1. CONSTRUCT TEMPORARY HAUL ROADS AND STOCKPILE AREA.
2. RELOCATE CONSTRUCTION TRAILERS AND LAYDOWN AREAS TO NEW CONSTRUCTION ENTRANCE.
3. CLEAR THE CONSTRUCTION AREA WITHIN LIMITS OF DISTURBANCE AS SHOWN ON DRAWING 6
4. EXPOSE AND REMOVE FORMER INDUSTRIAL SEWER AS SHOWN ON DRAWING 7.
5. RESUME EXCAVATION OF ACCESSIBLE SOILS TO THE GRADES SHOWN ON DRAWING 5. SEE SECTION 02 61 13. SEGREGATE INTO SOILS WITH TOTAL PCBS ≥ 50 MG/KG FOR DISPOSAL, SOILS WITH TOTAL PCBS < 50 BUT ≥ 10 MG/KG FOR DISPOSAL, AND SOILS WITH TOTAL < 10 MG/KG FOR POTENTIAL RE-USE AS BACKFILL AS SHOWN ON DRAWINGS 8 TO 15.
6. REMOVE EXISTING UTILITIES WITHIN LIMITS OF EXCAVATION AS SHOWN ON DRAWINGS 7 IN ORDER TO COMPLETE EXCAVATION. CAP OR OTHERWISE PRESERVE ENDS OF UTILITIES TO ENABLE RE-CONNECTION IN-KIND REPLACEMENTS. REMOVED UTILITIES SHALL BE CHARACTERIZED FOR OFF-SITE DISPOSAL.
7. BACKFILL THE EXCAVATION USING STOCKPILED SOILS THAT ARE APPROVED FOR RE-USE TO GRADES SHOWN ON DRAWING 21. SEE DETAIL 28 ON DRAWING 19. CONFIRMATION SAMPLING AND APPROVAL TO BACKFILL SHALL BE REQUIRED PRIOR TO BACKFILLING.
8. CONTINUE BACKFILLING THE EXCAVATION USING IMPORTED TO GRADES SHOWN ON DRAWING 22 IF NECESSARY. SEE DETAIL 28 ON DRAWING 19. CONFIRMATION SAMPLING AND APPROVAL TO BACKFILL SHALL BE REQUIRED PRIOR TO BACKFILLING.
9. DECOMMISSION AND DECONSTRUCT PHASE II NON-HAZARDOUS AND RE-USE STOCKPILES, AND ASSOCIATED HAUL ROADS AS SHOWN.
10. RESTORE UNEXCAVATED AREAS USED FOR TEMPORARY HAUL ROADS, STOCKPILE AREAS AND ACCUMULATION AREAS AS SHOWN ON DRAWING 22.
11. INSTALL IRRIGATION LINE TRENCHES AS SHOWN ON DRAWING 22.
12. INSTALL DRY WELLS AS SHOWN ON DRAWING 22.
13. DECOMMISSION AND DECONSTRUCT PHASE II EQUIPMENT WASH PAD.



3 / - PLAN
SITE WORK PLAN PHASE 2

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. ECSD CONTRACTOR SHALL HAVE ACCESS TO FOOTBALL FIELD COMPLEX VIA VFW CONSTRUCTION ENTRANCE. IRM CONTRACTOR AND ECSD CONTRACTOR SHALL COORDINATE TRUCK TRAFFIC. TEMPORARY HAUL ROAD MAY BE ADJUSTED AS PHASE 2 EXCAVATION PROCEEDS.
3. PHASE 2 TSCA ACCUMULATION AREA SHALL BE CONSTRUCTED TSCA SOILS ARE ENCOUNTERED IN PHASE 2 EXCAVATIONS.

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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2	7/20/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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UNISYS

TITLE: SITE WORK PLAN PHASE 2

PROJECT: INTERIM REMEDIATION MEASURE #5
AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · JOHN A. KRASNOPEROV · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-503-003
REVIEWED BY:	AK	DRAWING NO.:	4 OF 24
APPROVED BY:	AK		

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

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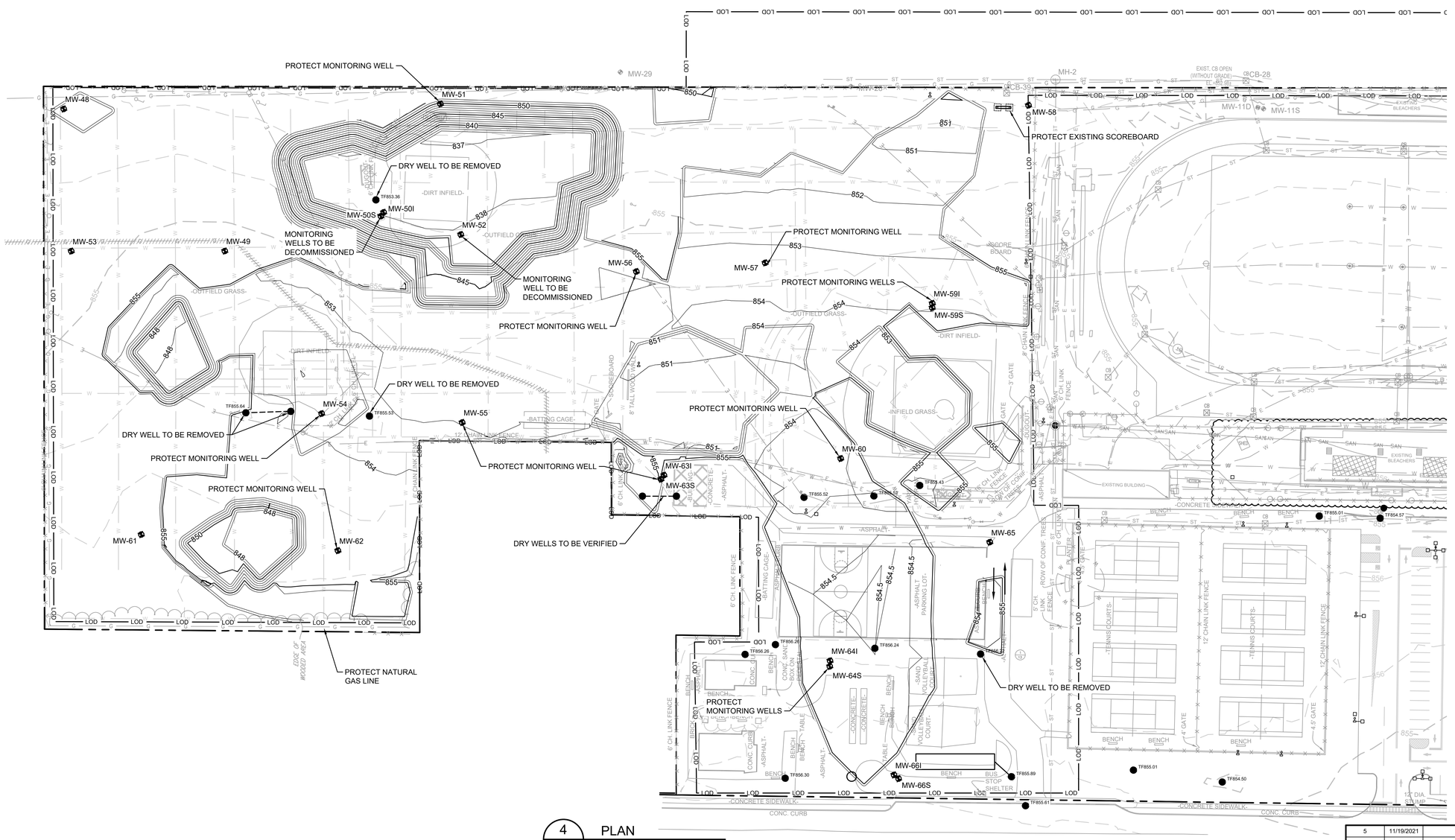

4 PLAN
- EXCAVATION PLAN

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
TF855.64	DRY WELLS
MW-64I	MONITORING WELLS

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. SEE SECTION 02 61 13 FOR REQUIREMENTS REGARDING EXCAVATION.
3. ALL VEHICLES LEAVING THE EXCAVATION AREA SHALL ONLY USE THE ESTABLISHED TEMPORARY ACCESS ROAD OR ROADWAY TO ENTER THE EQUIPMENT WASH PAD. WASH-DOWN OF ALL VEHICLE TIRES/UNDERCARRIAGE SHALL BE PERFORMED PRIOR TO VEHICLES LEAVING THE SITE.
4. CONFIRMATION SAMPLING AND APPROVAL TO BACKFILL SHALL BE REQUIRED PRIOR TO BACKFILLING.
5. FINAL EXCAVATIONS WILL BE SURVEYED PRIOR TO BACKFILLING. SEE SECTION 01 78 29.
6. PLACE DEMARCATION LAYER NETTING OVER BOTTOM OF EXCAVATION PRIOR TO BACKFILLING. SEE DETAIL 28 ON DRAWING 19 LOCATION AND DEPTH OF DEMARCATION LAYERS WILL BE SURVEYED PRIOR TO BACKFILLING. SEE SECTION 01 78 29.
7. ALL MATERIALS IMPORTED TO THE SITE MUST MEET THE REQUIREMENTS OF DER-10 SECTION 5.4(E) AND APPENDIX 5 FOR UNRESTRICTED USE. ALL CONFORMANCE DATA FOR IMPORTED MATERIALS MUST BE APPROVED BY NYSDEC. SEE SECTION 31 23 23.
8. MONITORING WELLS MW-50S, MW-50I AND MW-52 SHALL BE DECOMMISSIONED IN ACCORDANCE WITH NYSDEC CP-43.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

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UNISYS

TITLE: EXCAVATION PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5
AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ROON A. KRASNOPOLSKY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-604
REVIEWED BY:	AK	DRAWING NO.:	5 OF 24
APPROVED BY:	AK		

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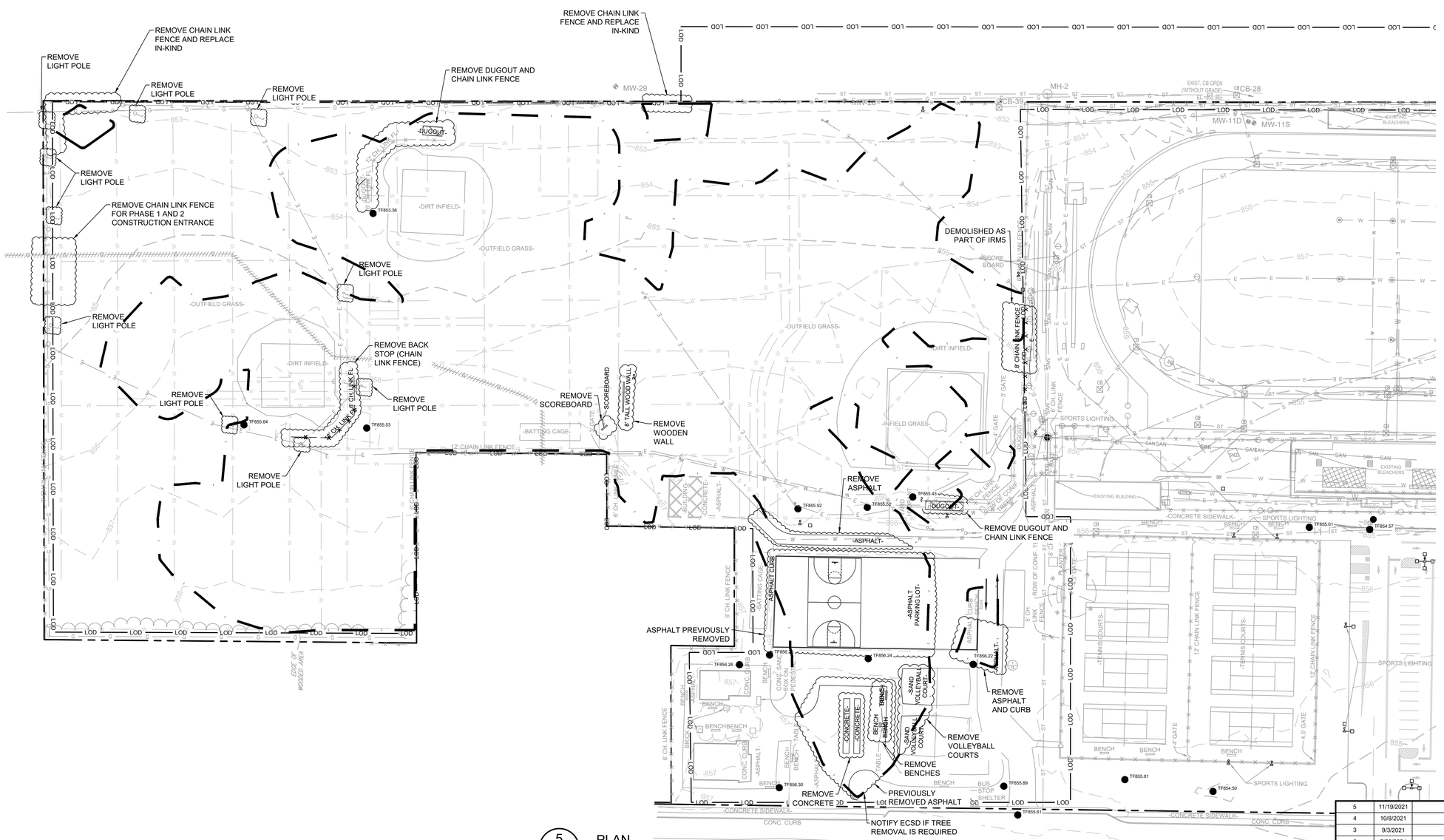

5 PLAN
- DEMOLITION PLAN

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
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	NATURAL GAS LINE
	DEACTIVATED GAS LINE
	WATER LINE
	BURIED FIBER OPTIC CABLE
	EXCAVATION LIMITS
	LIMIT OF DISTURBANCE
	TREE
TF855.64	DRY WELLS

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. CONTRACTOR SHALL COORDINATE WITH ECSD REGARDING STORAGE OF REMOVED ITEMS, IF REQUIRED. ITEMS THAT ARE NOT STORED SHALL BE TRANSPORTED OFF-SITE FOR DISPOSAL.
3. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND REMOVING THE LIGHT POLE ELECTRICAL SYSTEM WIRING WITHIN THE AREA OF EXCAVATION IN COORDINATION WITH ECSD. RESTORE PULL BOXES DURING SITE RESTORATION
4. LOCATIONS OF REMOVED UTILITIES SHALL BE SURVEYED AND AS-BUILT INFORMATION SHALL BE PROVIDED ECSD. SEE SECTION 01 78 29.
5. CONTRACTOR IS RESPONSIBLE TO CONFIRM THAT WATER AND ELECTRIC SERVICES ARE SHUT OFF PRIOR TO REMOVAL.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

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an affiliate of Geosyntec Consultants

UNISYS

TITLE: DEMOLITION PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ANDREW A. KRASNICKI · 089954 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-606
REVIEWED BY:	AK	DRAWING NO.:	6 OF 24
APPROVED BY:	##		

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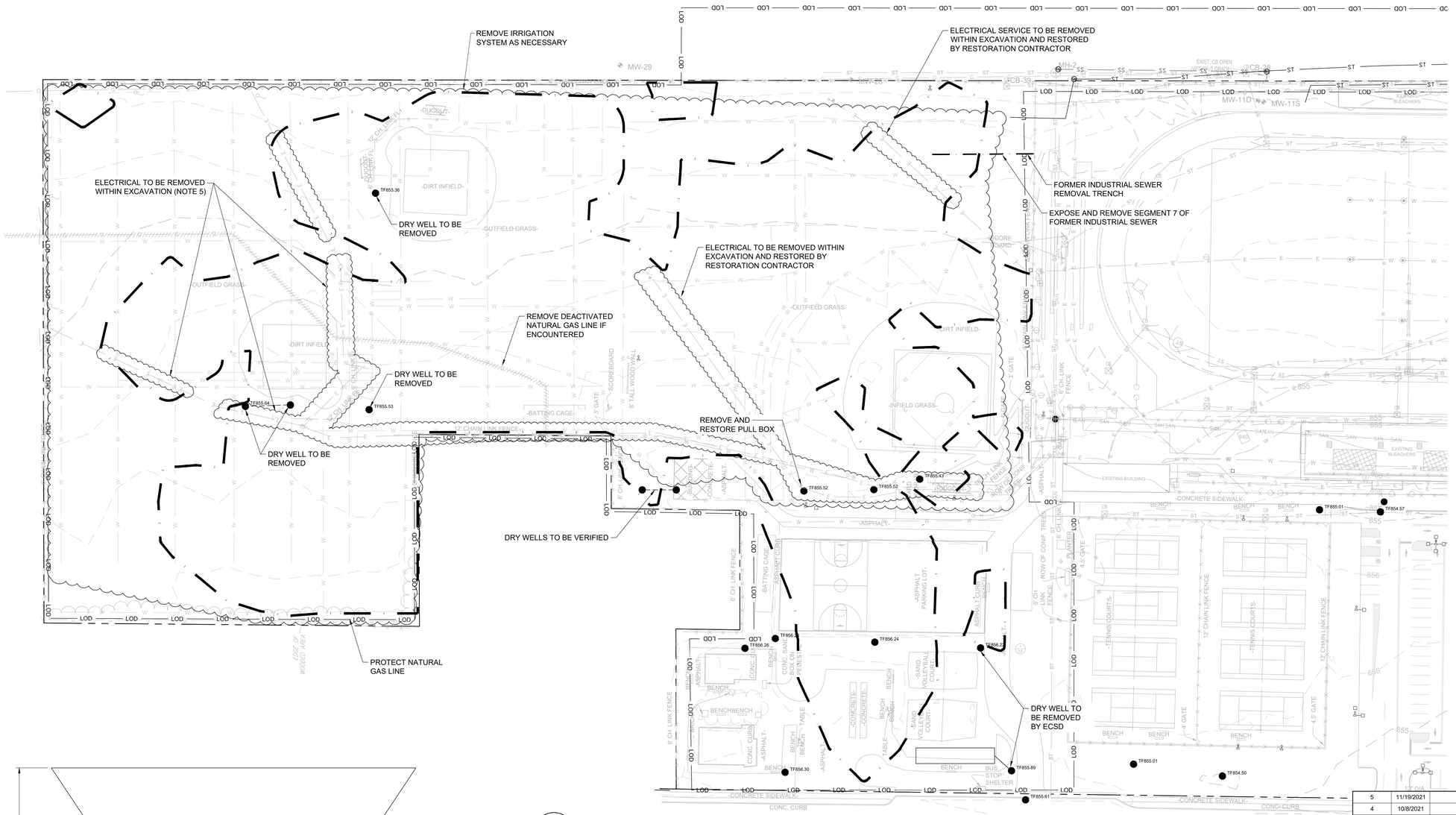


LEGEND

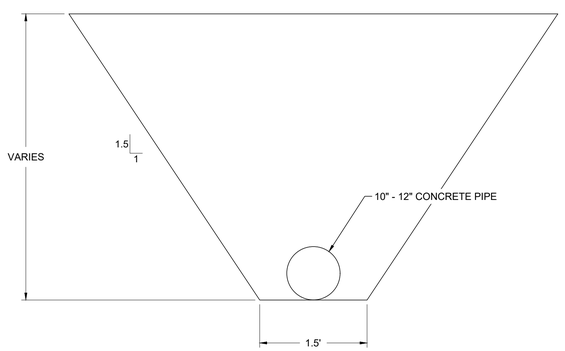
	MANHOLE
	CATCH BASIN
MH	MANHOLE
CMP	CULVERT PIPE
X X X X	CHAIN LINK FENCE
	WOODEN FENCE
	PROPERTY LINE
90	EXISTING CONTOUR LINE
	EDGE OF WATER
	EDGE OF WOODS OR BRUSH
UE E	BURIED ELECTRIC CABLE
SAN	SANITARY SEWER
ST	STORM SEWER
G G	NATURAL GAS LINE
G G	DEACTIVATED GAS LINE
W	WATER LINE
FO	BURIED FIBER OPTIC CABLE
	EXCAVATION LIMITS
LOD	LIMIT OF DISTURBANCE
	TREE
TF855.64	DRY WELLS

6 - PLAN
UTILITIES REMOVAL AND FORMER INDUSTRIAL SEWER REMOVAL

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. EXISTING UTILITIES SHOWN HAVE BEEN LOCATED BASED ON AVAILABLE RECORD DRAWINGS.
3. THE LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL UNCOVER EXISTING UTILITIES TO CONFIRM THEIR LOCATION, TYPE AND SIZE PRIOR TO INITIATING SOIL EXCAVATION.
4. CONTRACTOR IS RESPONSIBLE TO CONFIRM THAT WATER AND ELECTRIC SERVICES ARE SHUT OFF PRIOR TO REMOVAL.
5. UTILITIES WITHIN THE EXCAVATION SHALL BE REMOVED AND CHARACTERIZED FOR OFF-SITE DISPOSAL.
6. CUT AND TEMPORARILY CAP UTILITIES IN A MANNER THAT ALLOWS FOR RE-CONNECTION OF IN-KIND REPLACEMENT UTILITIES DURING BACKFILLING.
7. ALL ELECTRIC UTILITIES TO BE REMOVED SHALL BE REMOVED BACK TO AND FROM THE ELECTRICAL CIRCUIT BREAKERS SHALL BE REMOVED AND RETURNED TO ECSD. BLANKS SHALL BE INSTALLED IN PLACE OF REMOVED CIRCUIT BREAKERS AND THE PANEL SCHEDULE SHALL BE UPDATED.
8. REMEDIATION CONTRACTOR SHALL REMOVE IRRIGATION SYSTEM WITHIN LIMITS OF EXCAVATION SHOWN ON DRAWING 5 OR ENCOUNTERED DURING INSTALLATION OF IRRIGATION LINE TRENCHES SHOWN ON DRAWING 22. ALL VALVE BOXES ASSOCIATED WITH THE CURRENT IRRIGATION SYSTEM ARE ALSO TO BE REMOVED. WHERE HEAD REMOVAL TAKES PLACE OUTSIDE THE EXCAVATION LIMITS, VERTICAL RISERS TO BOTTOM OF HEAD SHALL BE REMOVED TO PREVENT POTENTIAL IMPACT WITH CULTIVATION PRACTICES (AERATION) IN THE FUTURE. HORIZONAL LATERAL LINES AT DEPTHS GREATER THAN 12" SHALL BE ABANDONED IN PLACE.
9. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND REMOVING THE IRRIGATION SYSTEM WIRING.
10. LOCATIONS OF REMOVED UTILITIES SHALL BE SURVEYED AND AS-BUILT INFORMATION SHALL BE PROVIDED ECSD. SEE SECTION 01 78 29.
11. THE EXTENT OF SEGMENT 7 OF THE FORMER INDUSTRIAL SEWER IS UNKNOWN. SEGMENT 7 SHALL BE EXPOSED AND REMOVED BY TRENCHING UNTIL ITS TERMINUS.

CONSTRUCTION DRAWING



7 - DETAIL
FORMER INDUSTRIAL SEWER REMOVAL TRENCH

SCALE: NOT TO SCALE

REV	DATE	DESCRIPTION	DRN	APP
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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 Geosyntec Consultants

UNISYS

TITLE: UTILITIES REMOVAL AND FORMER INDUSTRIAL SEWER REMOVAL

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE

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DATE

STATE OF NEW YORK · ANDREW A. KRASNOVSKIY · 089954 · LICENSED PROFESSIONAL ENGINEER

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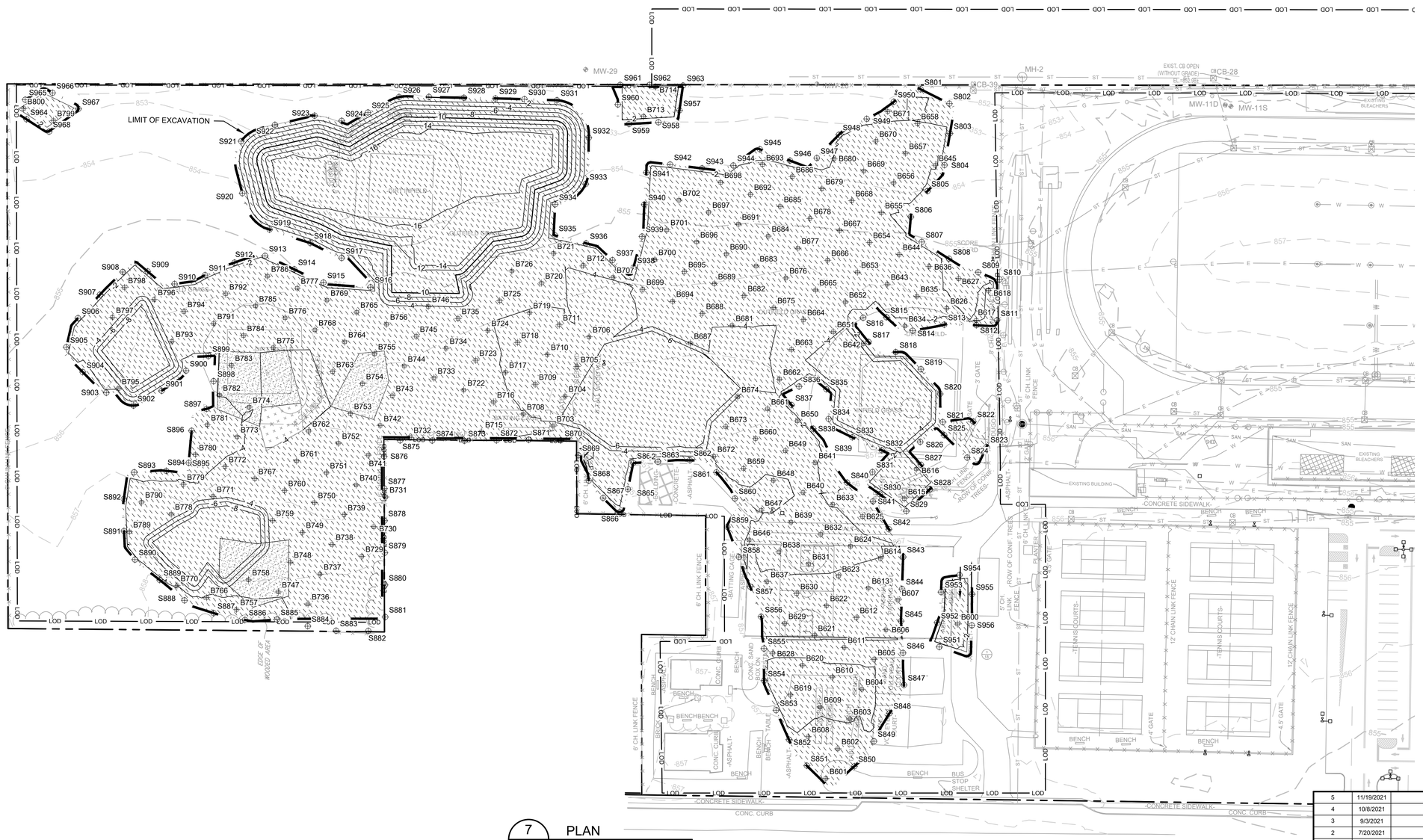

7 / - PLAN
0-2 FT EXCAVATION

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

SOIL MANAGEMENT

- POTENTIALLY HAZARDOUS (METALS)
- TSCA-PCBs
- NON-HAZARDOUS
- REUSE

CONFIRMATION SAMPLING

- S369 SIDEWALL CONFIRMATION SAMPLE
- B182 BOTTOM SAMPLE

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. SEE DRAWING 5 FOR EXCAVATION PLAN.
3. SEE SECTION 02 61 13 FOR REQUIREMENTS REGARDING EXCAVATION.
4. SOILS WITH PCBs ≥ 50 Mg/Kg SHALL BE BROUGHT TO A TSCA ACCUMULATION AREA FOR LOADING FOR OFF-SITE DISPOSAL. TEMPORARY TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING THESE SOILS TO THE TSCA ACCUMULATION AREA. CONTRACTOR SHALL ADJUST THE LOCATION OF TEMPORARY TRANSIT ROADS AS NECESSARY AS EXCAVATION PROGRESSES
5. EXCAVATED SOILS WITH PCBs BELOW 50 Mg/Kg SHALL BE SEGREGATED AND STOCKPILED AT THE MATERIAL STAGING AREA FOR SAMPLING PURSUANT TO THE CATEGORIES SHOWN. TEMPORARY TRANSIT ROAD SHALL BE PLACED OVER TSCA AREAS WHEN BRINGING THESE SOILS TO THE NON-HAZARDOUS SOIL STOCKPILE AREA. CONTRACTOR SHALL ADJUST THE LOCATION OF TEMPORARY TRANSIT ROADS AS NECESSARY AS EXCAVATION PROGRESSES
6. SOILS IN METALS-DRIVEN IRM SHALL BE SEGREGATED AND STOCKPILED AT THE MATERIAL STAGING AREA FOR SAMPLING PURSUANT TO THE CATEGORIES SHOWN.
7. LAYBACK SOILS SHOWN ON SHEETS 8 TO 15 SHALL BE SEGREGATED AND STOCKPILED AT THE MATERIAL STAGING AREA FOR SAMPLING BY THE ENGINEER FOR POTENTIAL REUSE PER DER-10 SECTION 5.4(e).
8. SIDEWALL AND BOTTOM SAMPLE LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BASED ON FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
9. APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

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1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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

TITLE: 0-2 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

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11/19/2021
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STATE OF NEW YORK · JOHN A. KRANDOPULOS · 089954-1 · LICENSED PROFESSIONAL ENGINEER

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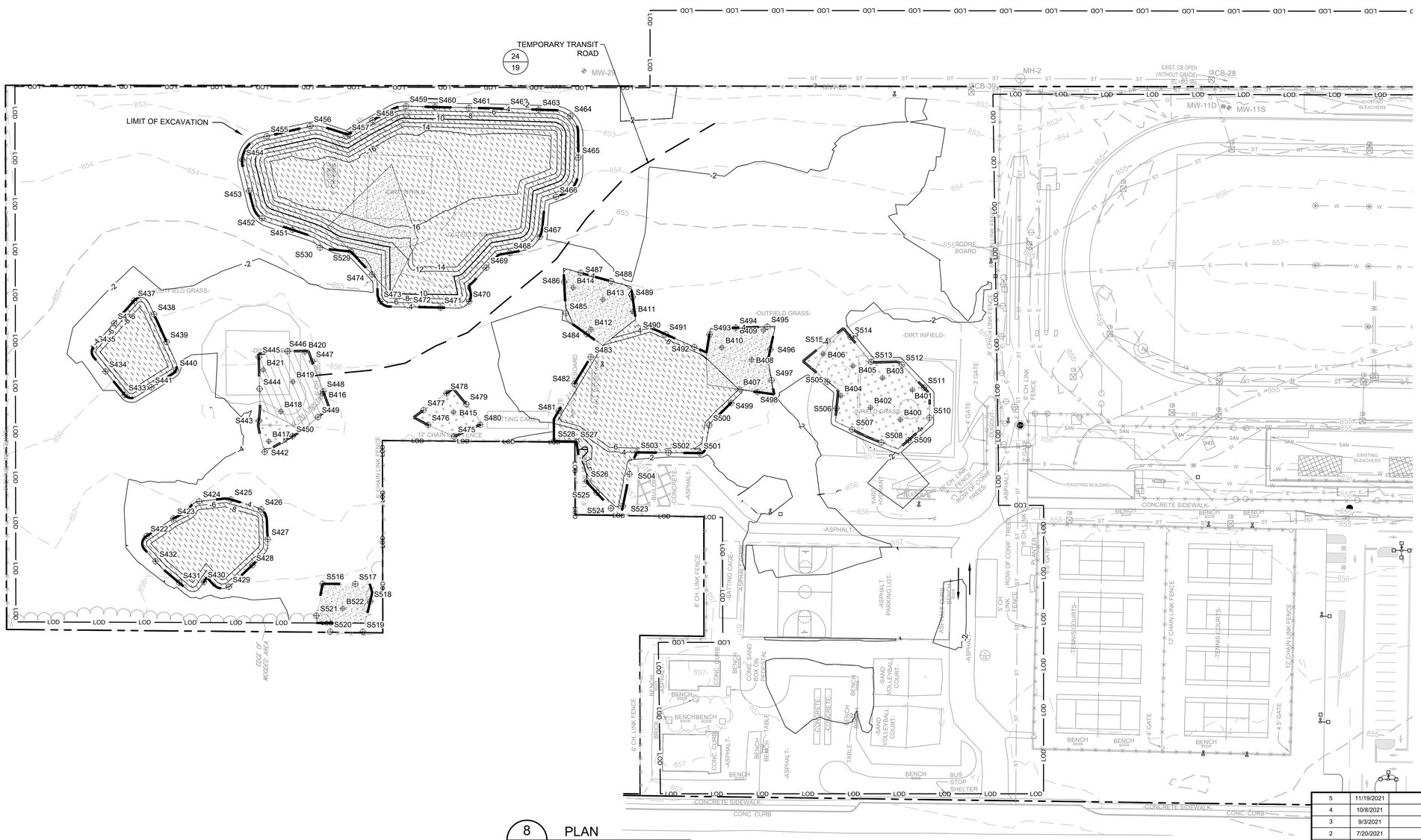

8 / - PLAN
2-4 FT EXCAVATION

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

SOIL MANAGEMENT

- POTENTIALLY HAZARDOUS (METALS)
- TSCA-PCBs
- NON-HAZARDOUS
- REUSE

CONFIRMATION SAMPLING

- S369 SIDEWALL CONFIRMATION SAMPLE
- B182 BOTTOM SAMPLE

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. SEE DRAWING 5 FOR EXCAVATION PLAN.
3. SEE SECTION 02 61 13 FOR REQUIREMENTS REGARDING EXCAVATION.
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9. APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

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UNISYS

TITLE: 2-4 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5
AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

SIGNATURE
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STATE OF NEW YORK · ANDREW A. KRASNICKI · 089995 · LICENSED PROFESSIONAL ENGINEER

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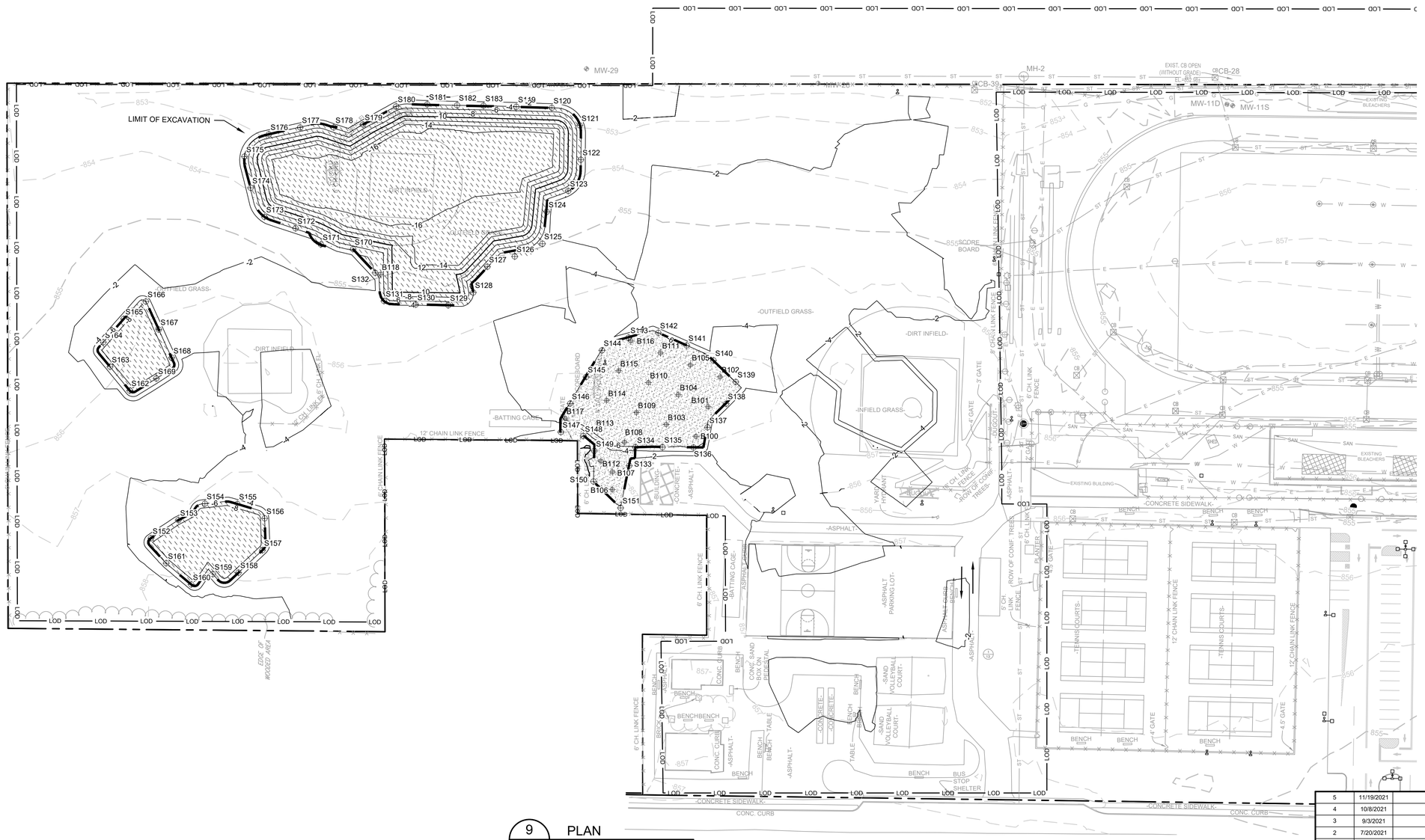

9 / - PLAN
4-6 FT EXCAVATION

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

SOIL MANAGEMENT

- POTENTIALLY HAZARDOUS (METALS)
- TSCA-PCBs
- NON-HAZARDOUS
- REUSE

CONFIRMATION SAMPLING

- S369 SIDEWALL CONFIRMATION SAMPLE
- B182 BOTTOM SAMPLE

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
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0 50' 100'
SCALE IN FEET

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UNISYS

TITLE: 4-6 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
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STATE OF NEW YORK · ARON A. KRASNOVSKIY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

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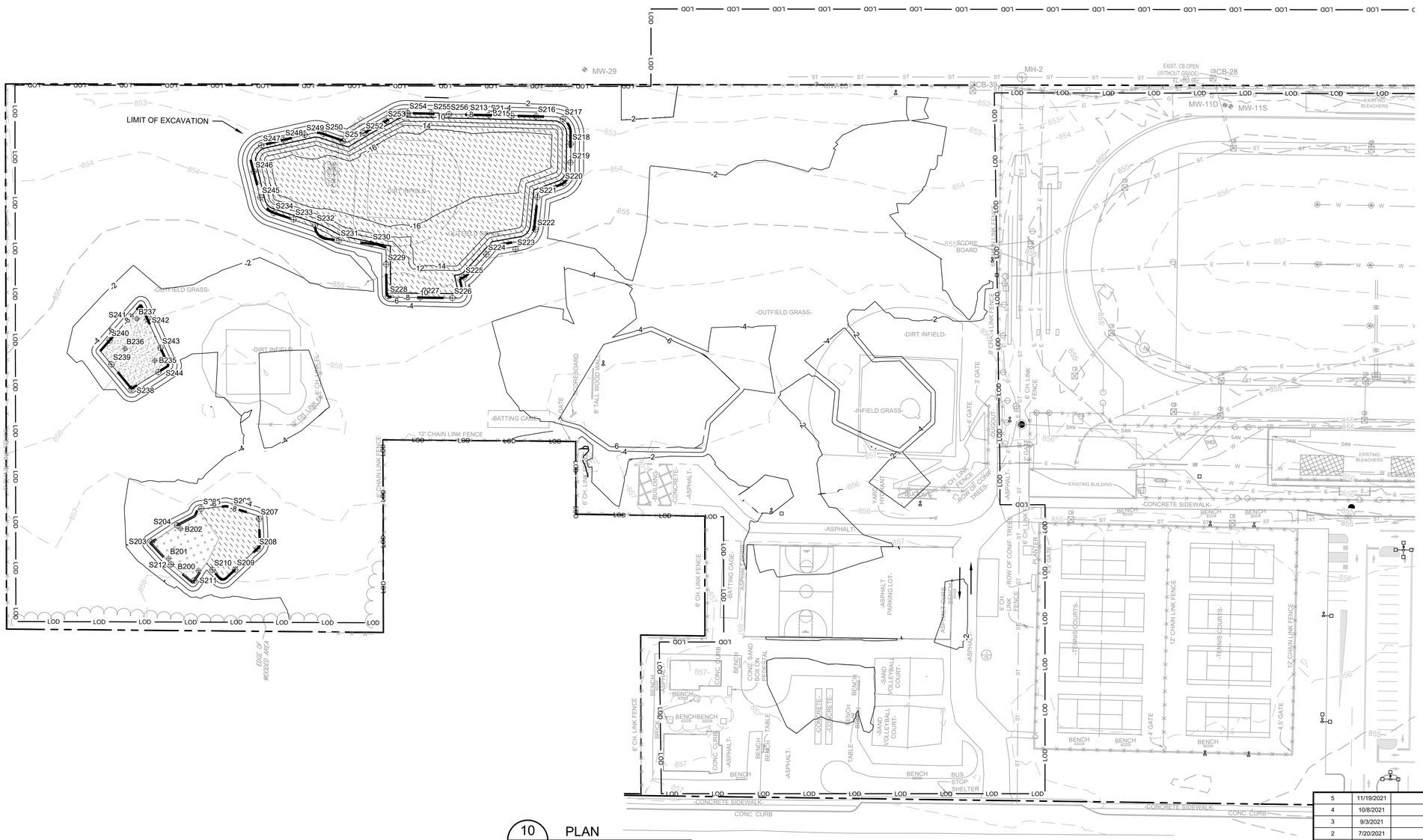

10 / - PLAN 6-8 FT EXCAVATION

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
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- WATER LINE
- BURIED FIBER OPTIC CABLE
- EXCAVATION LIMITS
- LIMIT OF DISTURBANCE
- TREE

SOIL MANAGEMENT

- POTENTIALLY HAZARDOUS (METALS)
- TSCA-PCBs
- NON-HAZARDOUS
- REUSE

CONFIRMATION SAMPLING

- S369 SIDEWALL CONFIRMATION SAMPLE
- B182 BOTTOM SAMPLE

NOTES:

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0 50' 100'
SCALE IN FEET

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UNISYS

TITLE: 6-8 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

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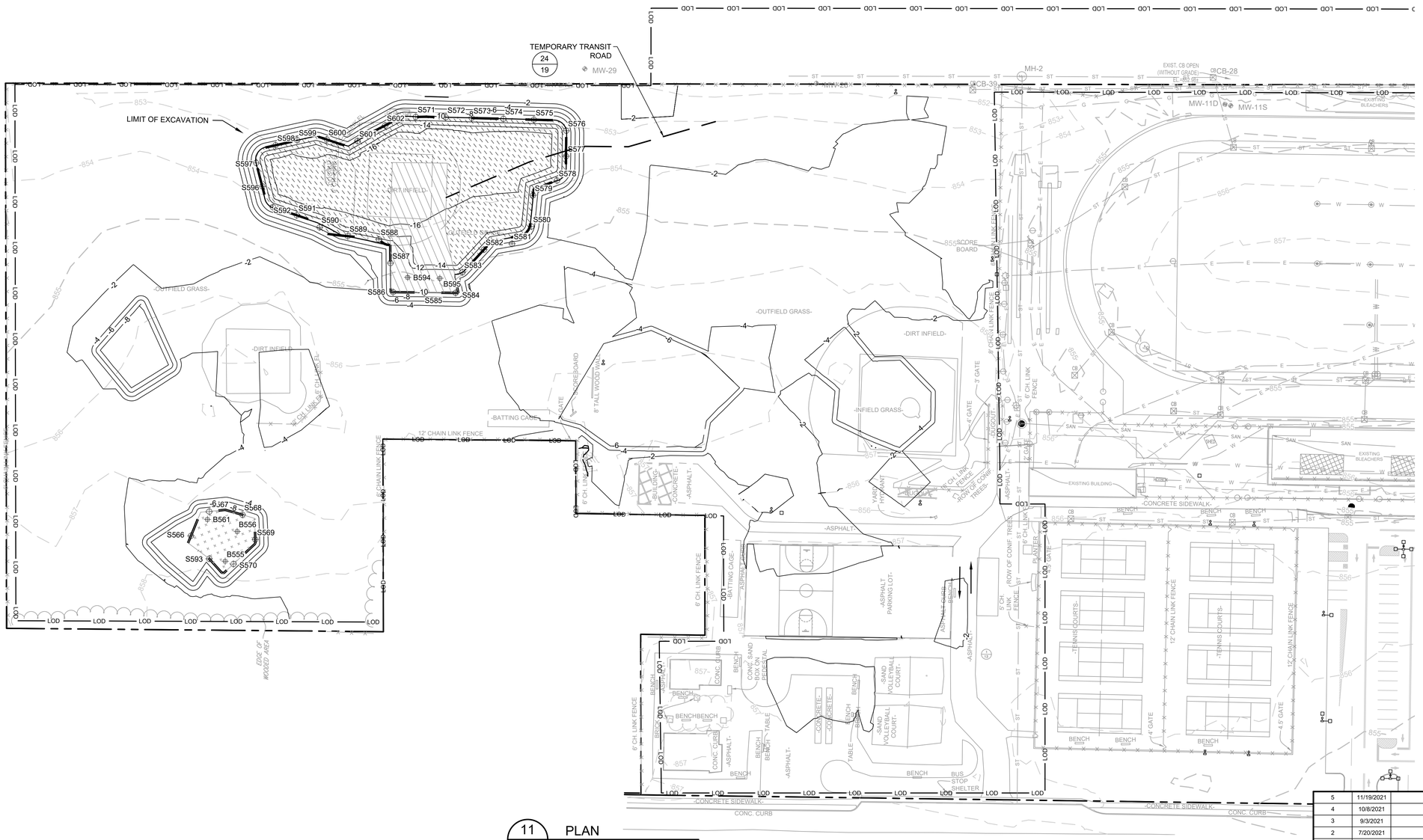

LEGEND

- MANHOLE
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- LIMIT OF DISTURBANCE
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SOIL MANAGEMENT

- POTENTIALLY HAZARDOUS (METALS)
- TSCA-PCBs
- NON-HAZARDOUS
- REUSE

CONFIRMATION SAMPLING

- S369 SIDEWALL CONFIRMATION SAMPLE
- B182 BOTTOM SAMPLE

11 / - PLAN
8-10 FT EXCAVATION

NOTES:

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3. SEE SECTION 02 61 13 FOR REQUIREMENTS REGARDING EXCAVATION.
4. SOILS WITH PCBs ≥ 50 Mg/Kg SHALL BE BROUGHT TO A TSCA ACCUMULATION AREA FOR LOADING FOR OFF-SITE DISPOSAL. TEMPORARY TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING THESE SOILS TO THE TSCA ACCUMULATION AREA. CONTRACTOR SHALL ADJUST THE LOCATION OF TEMPORARY TRANSIT ROADS AS NECESSARY AS EXCAVATION PROGRESSES
5. EXCAVATED SOILS WITH PCBs BELOW 50 Mg/Kg SHALL BE SEGREGATED AND STOCKPILED AT THE MATERIAL STAGING AREA FOR SAMPLING PURSUANT TO THE CATEGORIES SHOWN. TEMPORARY TRANSIT ROAD SHALL BE PLACED OVER TSCA AREAS WHEN BRINGING THESE SOILS TO THE NON-HAZARDOUS SOIL STOCKPILE AREA. CONTRACTOR SHALL ADJUST THE LOCATION OF TEMPORARY TRANSIT ROADS AS NECESSARY AS EXCAVATION PROGRESSES
6. SOILS IN METALS-DRIVEN IRM SHALL BE SEGREGATED AND STOCKPILED AT THE MATERIAL STAGING AREA FOR SAMPLING PURSUANT TO THE CATEGORIES SHOWN.
7. LAYBACK SOILS SHOWN ON SHEETS 8 TO 15 SHALL BE SEGREGATED AND STOCKPILED AT THE MATERIAL STAGING AREA FOR SAMPLING BY THE ENGINEER FOR POTENTIAL REUSE PER DER-10 SECTION 5.4(e).
8. SIDEWALL AND BOTTOM SAMPLE LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BASED ON FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
9. APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
4	10/8/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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 Geosyntec Consultants

UNISYS

TITLE: 8-10 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ARON A. KRASNOVSKIY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-605
REVIEWED BY:	AK	DRAWING NO.:	12 OF 24
APPROVED BY:	AK		

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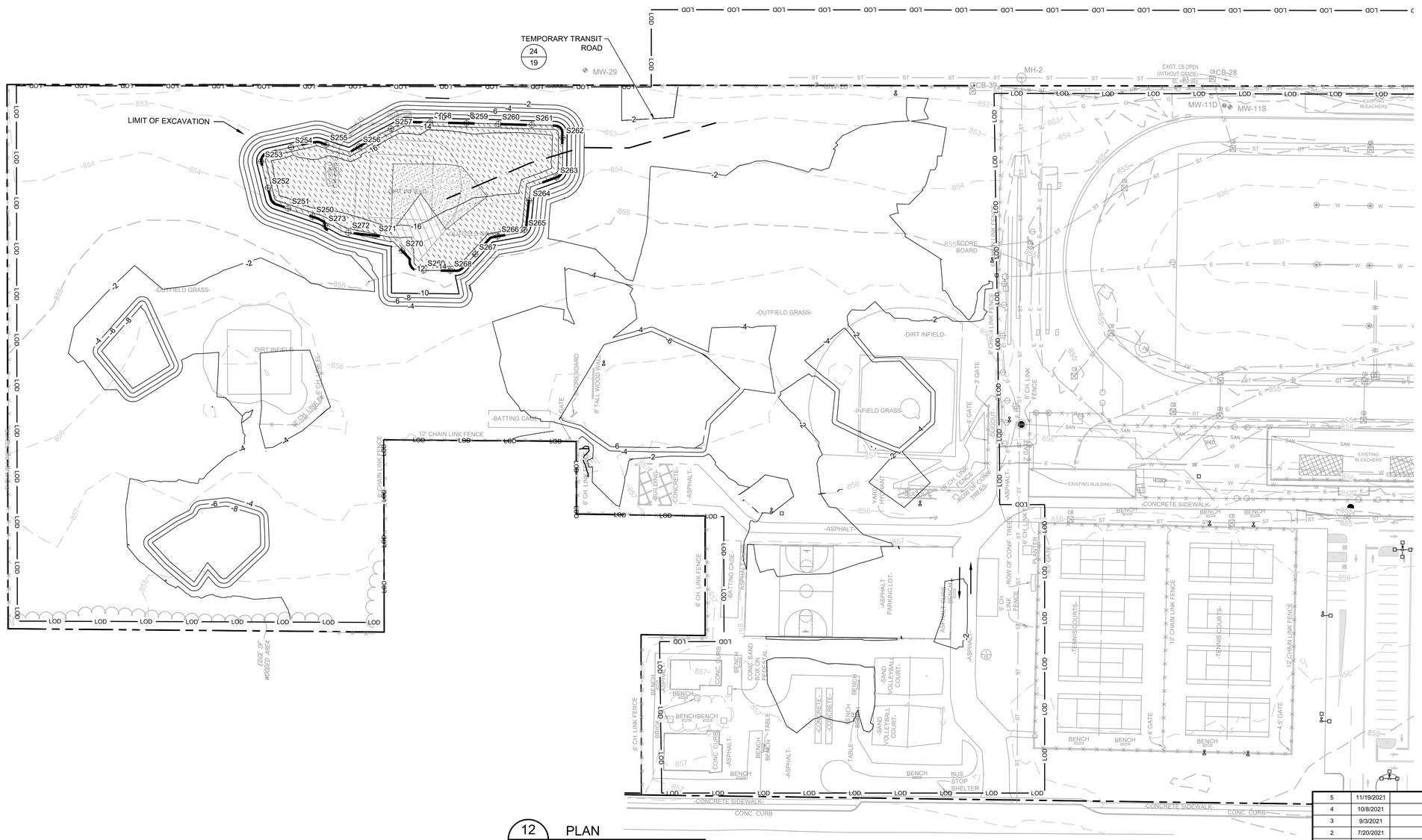

LEGEND

	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

SOIL MANAGEMENT

	POTENTIALLY HAZARDOUS (METALS)
	TSCA-PCBs
	NON-HAZARDOUS
	REUSE

CONFIRMATION SAMPLING

S369	SIDEWALL CONFIRMATION SAMPLE
B182	BOTTOM SAMPLE

12 / - PLAN
10-12 FT EXCAVATION

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. SEE DRAWING 5 FOR EXCAVATION PLAN.
3. SEE SECTION 02 61 13 FOR REQUIREMENTS REGARDING EXCAVATION.
4. SOILS WITH PCBs ≥ 50 Mg/Kg SHALL BE BROUGHT TO A TSCA ACCUMULATION AREA FOR LOADING FOR OFF-SITE DISPOSAL. TEMPORARY TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING THESE SOILS TO THE TSCA ACCUMULATION AREA. CONTRACTOR SHALL ADJUST THE LOCATION OF TEMPORARY TRANSIT ROADS AS NECESSARY AS EXCAVATION PROGRESSES
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7. LAYBACK SOILS SHOWN ON SHEETS 8 TO 15 SHALL BE SEGREGATED AND STOCKPILED AT THE MATERIAL STAGING AREA FOR SAMPLING BY THE ENGINEER FOR POTENTIAL REUSE PER DER-10 SECTION 5.4(e).
8. SIDEWALL AND BOTTOM SAMPLE LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BASED ON FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
9. APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
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2	7/20/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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an affiliate of Geosyntec Consultants

UNISYS

TITLE: 10-12 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ARON A. KRASNOVSKIY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-605
REVIEWED BY:	AK	DRAWING NO.:	13 OF 24
APPROVED BY:	AK		

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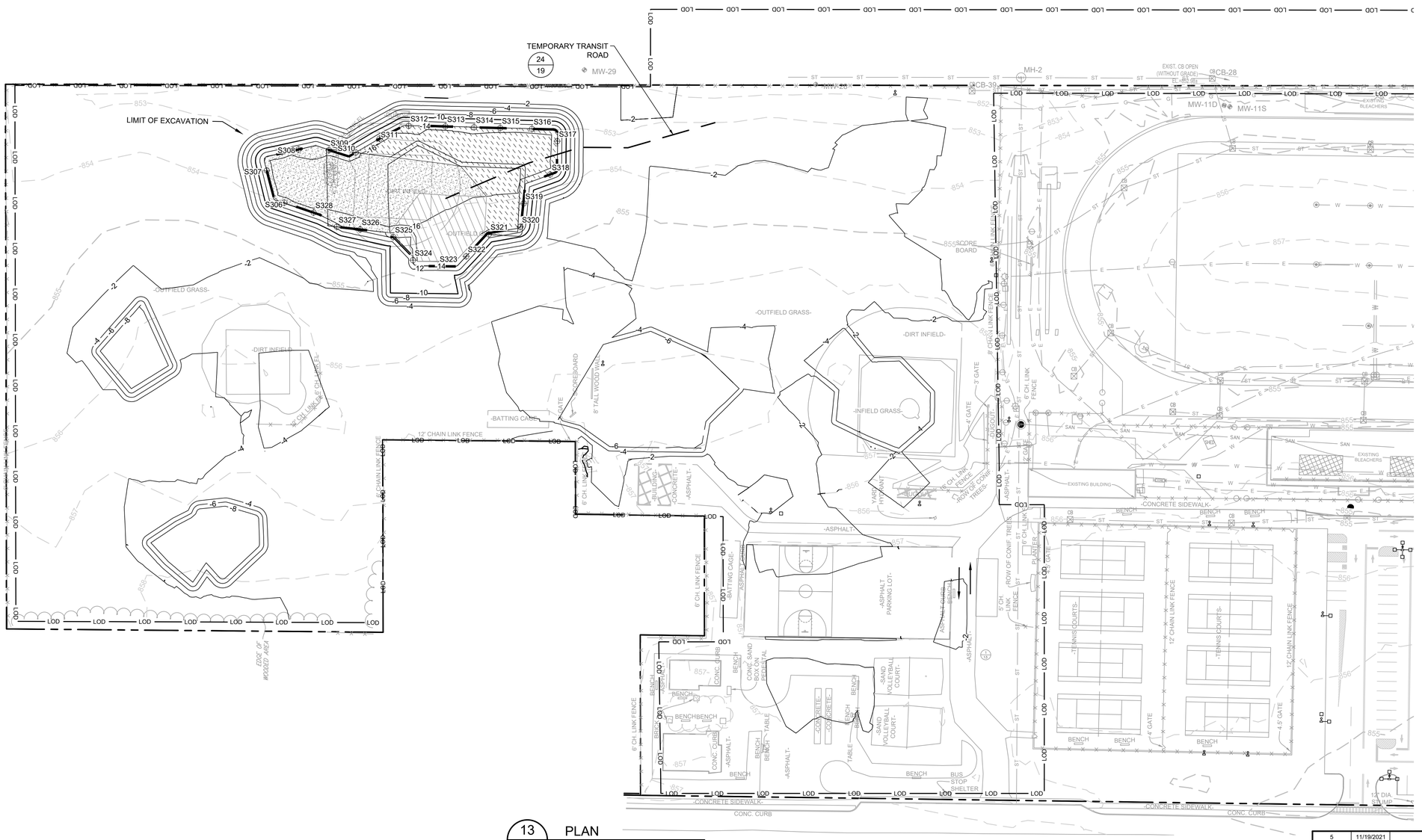

13
-
PLAN
12-14 FT EXCAVATION

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

SOIL MANAGEMENT

	POTENTIALLY HAZARDOUS (METALS)
	TSCA-PCBs
	NON-HAZARDOUS
	REUSE

CONFIRMATION SAMPLING

S369	SIDEWALL CONFIRMATION SAMPLE
B182	BOTTOM SAMPLE

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. SEE DRAWING 5 FOR EXCAVATION PLAN.
3. SEE SECTION 02 61 13 FOR REQUIREMENTS REGARDING EXCAVATION.
4. SOILS WITH PCBs ≥ 50 Mg/Kg SHALL BE BROUGHT TO A TSCA ACCUMULATION AREA FOR LOADING FOR OFF-SITE DISPOSAL. TEMPORARY TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING THESE SOILS TO THE TSCA ACCUMULATION AREA. CONTRACTOR SHALL ADJUST THE LOCATION OF TEMPORARY TRANSIT ROADS AS NECESSARY AS EXCAVATION PROGRESSES
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9. APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

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1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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an affiliate of Geosyntec Consultants

UNISYS

TITLE: 12-14 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ANDREW A. KRASNOVSKIY · 089954 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-605
REVIEWED BY:	AK	DRAWING NO.:	14 OF 24
APPROVED BY:	AK		

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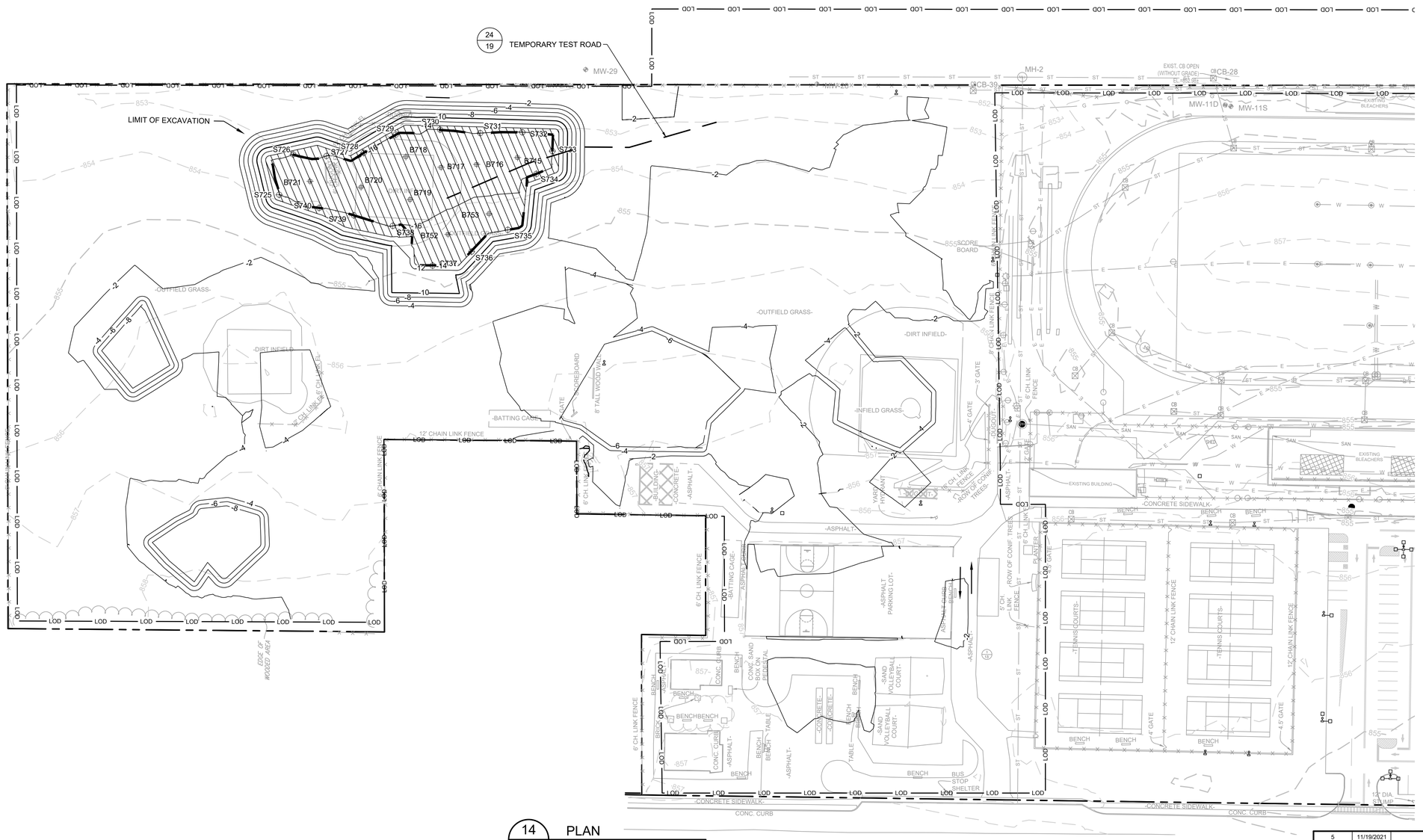

LEGEND

	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

SOIL MANAGEMENT

	POTENTIALLY HAZARDOUS (METALS)
	TSCA-PCBs
	NON-HAZARDOUS
	REUSE

CONFIRMATION SAMPLING

S369	SIDEWALL CONFIRMATION SAMPLE
B182	BOTTOM SAMPLE

14 / - PLAN
14-16 FT EXCAVATION

NOTES:

1. SEE SHEET 2 FOR GENERAL NOTES AND EXISTING CONDITION NOTES.
2. SEE DRAWING 5 FOR EXCAVATION PLAN.
3. SEE SECTION 02 61 13 FOR REQUIREMENTS REGARDING EXCAVATION.
4. SOILS WITH PCBs ≥ 50 Mg/Kg SHALL BE BROUGHT TO A TSCA ACCUMULATION AREA FOR LOADING FOR OFF-SITE DISPOSAL. TEMPORARY TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING THESE SOILS TO THE TSCA ACCUMULATION AREA. CONTRACTOR SHALL ADJUST THE LOCATION OF TEMPORARY TRANSIT ROADS AS NECESSARY AS EXCAVATION PROGRESSES
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0 50' 100'
SCALE IN FEET

CONSTRUCTION DRAWING

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2	7/20/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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an affiliate of Geosyntec Consultants

UNISYS

TITLE: 14-16 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ANDREW A. KRASNOWIDZKI · 089954 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-605
REVIEWED BY:	AK	DRAWING NO.:	15 OF 24
APPROVED BY:	AK		

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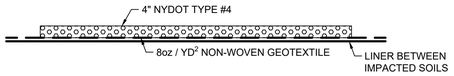
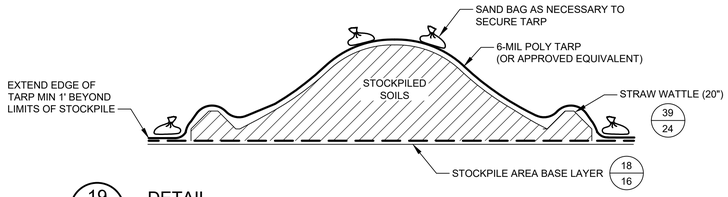
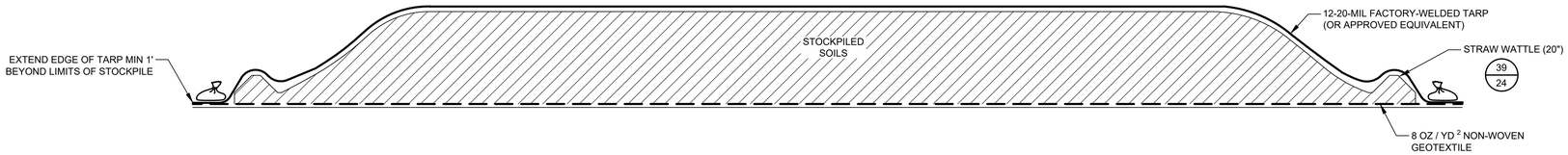


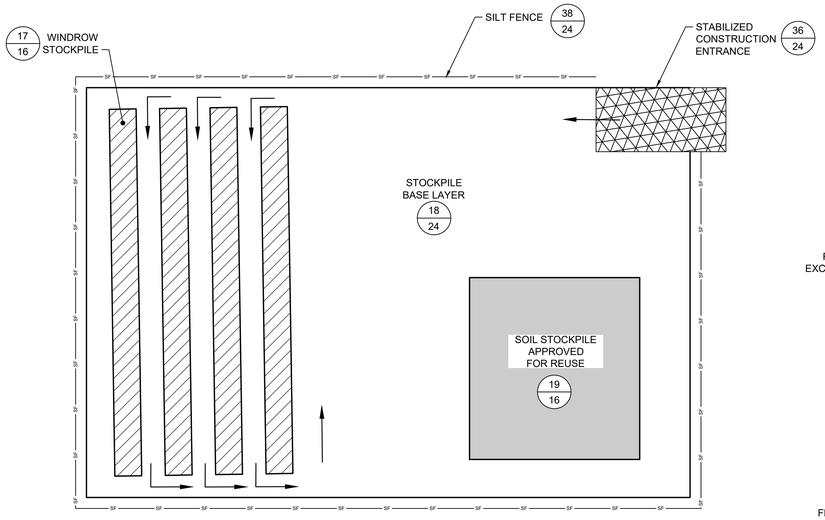
18 / - DETAIL
STOCKPILE AREA BASE LAYER
SCALE: NOT TO SCALE



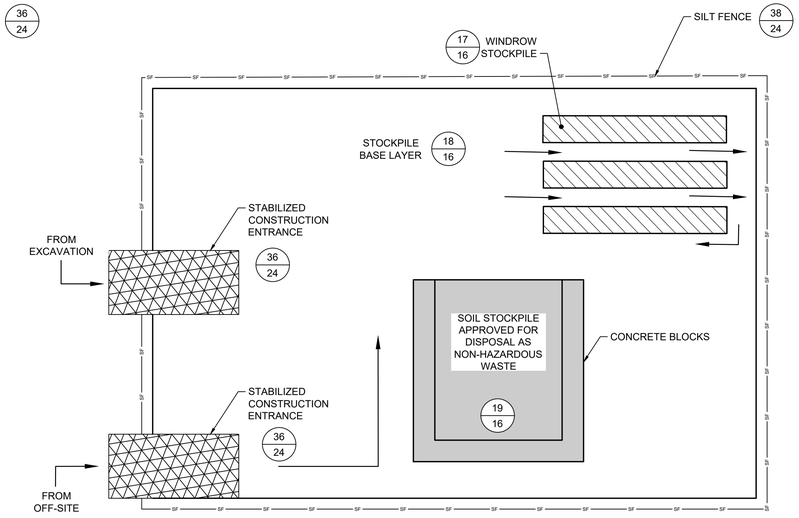
19 / - DETAIL
SOIL STOCKPILE
SCALE: NOT TO SCALE



17 / - DETAIL
WINDROW STOCKPILE
SCALE: NOT TO SCALE



15 / 2 DETAIL
RE-USE STOCKPILE AREA
SCALE: NOT TO SCALE



16 / 2 DETAIL
NON-HAZARDOUS SOIL STOCKPILE AREA
SCALE: NOT TO SCALE

NOTES

1. NON-HAZARDOUS SOILS NOT APPROVED FOR OFF-SITE DISPOSAL SHALL BE STAGED IN WINDROW STOCKPILES FOR WASTE CHARACTERIZATION.
2. UPON REMOVAL OF STOCKPILE AREAS, EXISTING SURFACE SOILS UNDER STOCKPILE AREAS WHICH ARE NOT DESIGNATED FOR REMOVAL DURING FUTURE REMEDIAL ACTIONS SHALL BE SAMPLED AT FREQUENCY OF ONE SAMPLER PER 3600 FT^2 TO DOCUMENT SOIL QUALITY.
3. RESTORATION OF STOCKPILE AREAS WILL INCLUDE REMOVAL OF 2FT OF SOIL BELOW EXISTING GRADE.

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
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1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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

TITLE: MATERIAL STAGING AREA PLAN (MSA) PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · JASON A. KRASNOPOLSKY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-618
REVIEWED BY:	AK	DRAWING NO.:	
APPROVED BY:	##		16 OF 24

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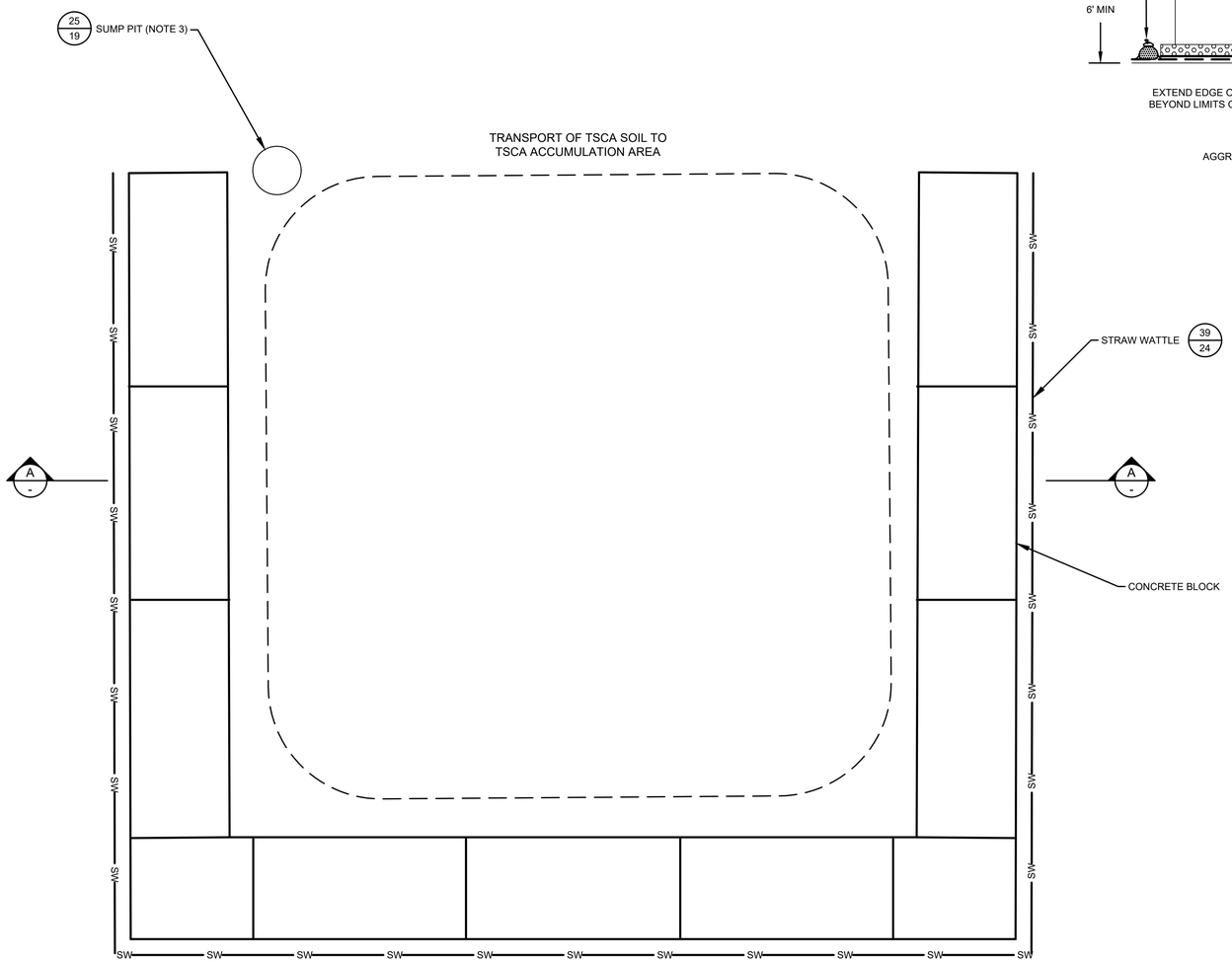
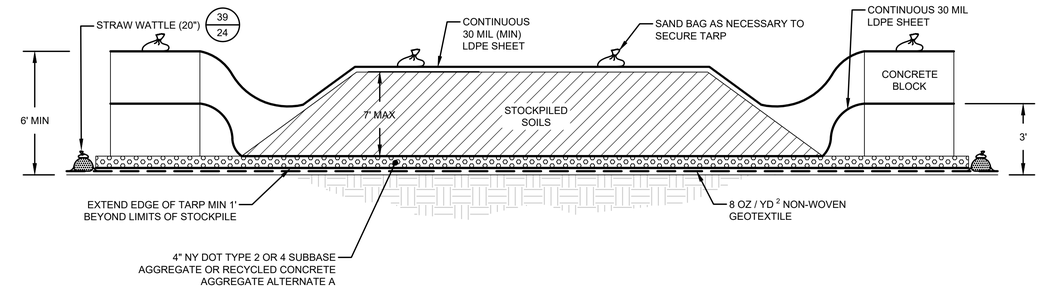


20 / 2 DETAIL
TSCA ACCUMULATION AREA
SCALE: NOT TO SCALE



A / - SECTION
TSCA ACCUMULATION AREA
SCALE: NOT TO SCALE

TSCA ACCUMULATION AREA NOTES:

1. THE HEIGHT OF THE SOIL STOCKPILE SHALL NOT EXCEED THE HEIGHT OF THE SURROUNDING CONCRETE BLOCKS. ADDITIONAL CONCRETE BLOCKS MAY BE PLACED TO INCREASE THE HEIGHT WITH THE APPROVAL OF THE ENGINEER AND NYSDEC.
2. THE AREA WILL BE CONSTRUCTED WITH AN IMPERMEABLE LINER EXTENDING OVER THE TOP OF THE LOWEST CONCRETE BLOCK. RUNOFF AND LEACHATE IN THIS AREA WILL BE COLLECTED FOR OFF-SITE DISPOSAL. AT THE END OF EACH WORK DAY AND DURING HEAVY RAIN EVENTS, CONTRACTOR SHALL COMPLETELY COVER STOCKPILED SOILS WITH A TARP THAT EXTENDS OVER THE HIGHEST CONCRETE BLOCK AND IS SECURED WITH SAND BAGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PCB-IMPACTED MATERIALS DO NOT MIGRATE FROM STAGING AND STOCKPILE LOCATIONS.
3. ALL STORMWATER RUNOFF SHALL BE CAPTURED WITHIN THE TSCA ACCUMULATION AREA AND NOT ALLOWED TO RUNOFF OR INFILTRATE.
4. THE AREA SHALL BE SLOPED SO THAT RUNOFF DRAINS TO THE SUMP LOCATED AT THE LOWEST POINT. ADDITIONAL SUMPS MAY BE INSTALLED AT OTHER LOW SPOTS WITHIN THE AREA AS NECESSARY.
5. ANY WATER COLLECTED WITHIN THE SUMP SHALL BE SEGREGATED, CHARACTERIZED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL STATE AND FEDERAL REGULATIONS.
6. UPON REMOVAL OF TSCA ACCUMULATION AND LOADING AREAS, EXISTING SHALLOW SOILS SHALL BE SAMPLED AT FREQUENCY OF ONE SAMPLER PER 3600 FT^2 TO DOCUMENT SOIL QUALITY.

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1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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

UNISYS

TITLE: TSCA ACCUMULATION AREA PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5
AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · JOON A. KRASNOPOLSKY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-619
REVIEWED BY:	AK	DRAWING NO.:	17 OF 24
APPROVED BY:	##		

CONSTRUCTION DRAWING

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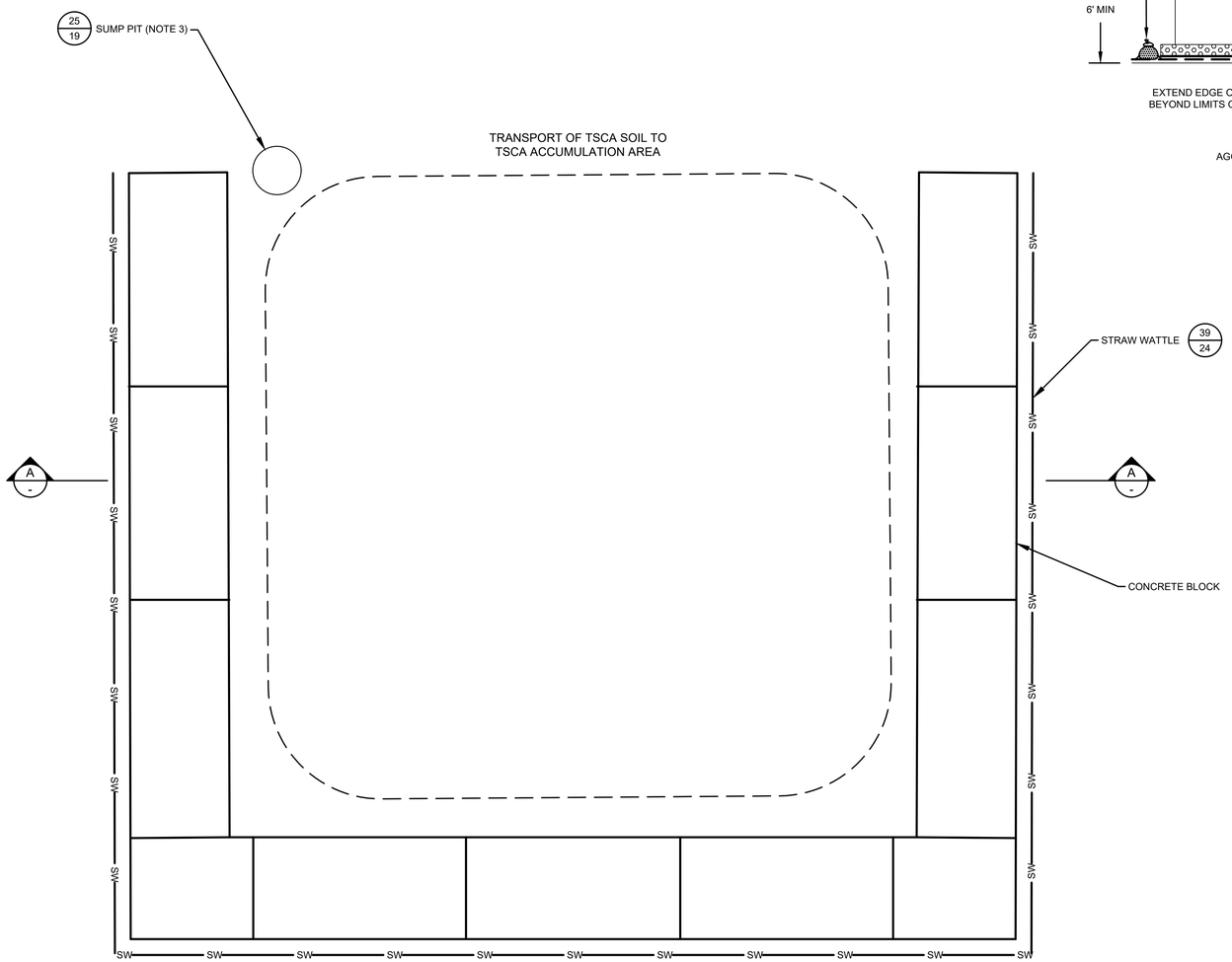
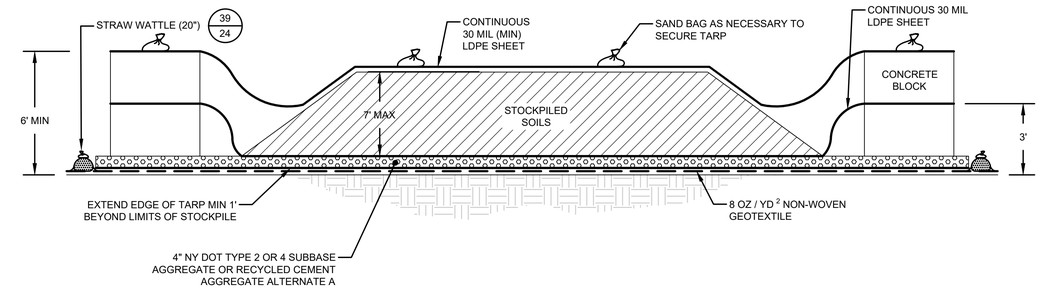


21
2
DETAIL
RCRA ACCUMULATION AREA
SCALE: NOT TO SCALE



A
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SECTION
RCRA ACCUMULATION AREA
SCALE: NOT TO SCALE

RCRA ACCUMULATION AREA NOTES:

1. THE HEIGHT OF THE SOIL STOCKPILE SHALL NOT EXCEED THE HEIGHT OF THE SURROUNDING CONCRETE BLOCKS. ADDITIONAL CONCRETE BLOCKS MAY BE PLACED TO INCREASE THE HEIGHT WITH THE APPROVAL OF THE ENGINEER AND NYSDEC.
2. THE AREA WILL BE CONSTRUCTED WITH AN IMPERMEABLE LINER EXTENDING OVER THE TOP OF THE LOWEST CONCRETE BLOCK. RUNOFF AND LEACHATE IN THIS AREA WILL BE COLLECTED FOR OFF-SITE DISPOSAL. AT THE END OF EACH WORK DAY AND DURING HEAVY RAIN EVENTS, CONTRACTOR SHALL COMPLETELY COVER STOCKPILED SOILS WITH A TARP THAT EXTENDS OVER THE HIGHEST CONCRETE BLOCK AND IS SECURED WITH SAND BAGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING METALS-IMPACTED MATERIALS DO NOT MIGRATE FROM STAGING AND STOCKPILE LOCATIONS.
3. ALL STORMWATER RUNOFF SHALL BE CAPTURED WITHIN THE RCRA ACCUMULATION AREA AND NOT ALLOWED TO RUNOFF OR INFILTRATE.
4. THE AREA SHALL BE SLOPED SO THAT RUNOFF DRAINS TO THE SUMP LOCATED AT THE LOWEST POINT. ADDITIONAL SUMPS MAY BE INSTALLED AT OTHER LOW SPOTS WITHIN THE AREA AS NECESSARY.
5. ANY WATER COLLECTED WITHIN THE SUMP SHALL BE SEGREGATED, CHARACTERIZED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL STATE AND FEDERAL REGULATIONS.
6. UPON REMOVAL OF RCRA ACCUMULATION AND LOADING AREAS, EXISTING SHALLOW SOILS SHALL BE SAMPLED AT FREQUENCY OF ONE SAMPLER PER 3600 FT^2 TO DOCUMENT SOIL QUALITY.

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
4	10/8/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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		

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UNISYS

TITLE: RCRA ACCUMULATION AREA PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · JOHN A. KRASNOPOLSKY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-620
REVIEWED BY:	AK	DRAWING NO.:	18 OF 24
APPROVED BY:	##		

CONSTRUCTION DRAWING

P:\cadd\PROJECTS\EUnisys - Elmira NY (MN0832D)\MN0832 IRM\#\MN0832I-620.dwg
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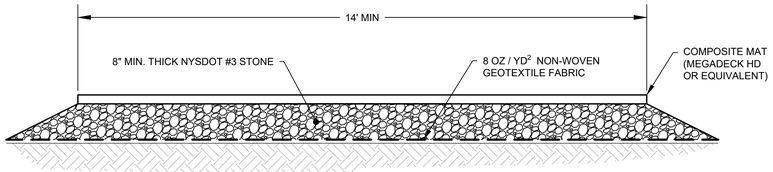
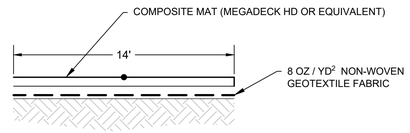


22 / 2 DETAIL
TEMPORARY HAUL ROAD
SCALE: NOT TO SCALE

NOTE:

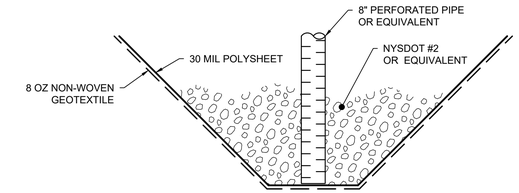
1. RESTORATION OF TEMPORARY HAUL ROAD ON EHS PROPERTY WILL INCUDE REMOVAL OF 2 FT OF SOIL BELOW EXISTING GRADE.
2. RESTORATION OF TEMPORARY HAUL ROAD ON NSRC PROPERTY WILL INCLUDE REMOVAL OF 6 IN OF SOIL BELOW EXISTING GRADE.



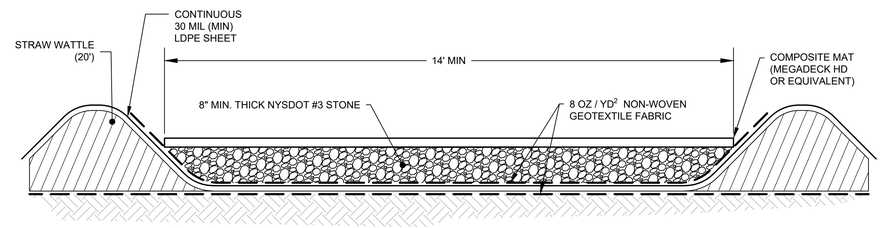
NOTE:

1. COMPOSITE MATS SHALL BE USED AS NECESSARY WITHIN THE EXCAVATION BASED ON FIELD CONDITIONS.
2. COMPOSITE MATS ARE REQUIRED FOR HAUL ROADS AND TSCA TRUCK LOOP.

24 / 3 DETAIL
TEMPORARY TRANSIT ROAD
SCALE: NOT TO SCALE



25 / 17 DETAIL
SUMP
SCALE: NOT TO SCALE



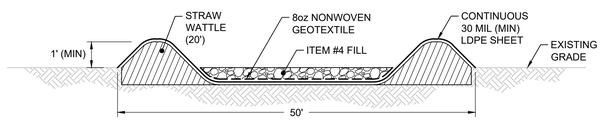
23 / 2 DETAIL
TEMPORARY TSCA HAUL ROAD
SCALE: NOT TO SCALE

NOTE:

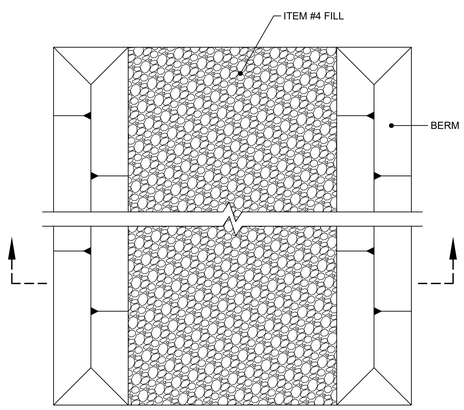
SUMPS SHALL BE PLACED AT LOW SPOTS ALONG THE HAUL ROAD LINER WHERE RUNOFF WATER MAY ACCUMULATE. COLLECTED WATER SHALL BE REMOVED FOR OFF-SITE DISPOSAL.

NOTE:

1. RESTORATION OF TEMPORARY HAUL ROAD ON EHS PROPERTY WILL INCUDE REMOVAL OF 2 FT OF SOIL BELOW EXISTING GRADE.
2. RESTORATION OF TEMPORARY HAUL ROAD ON NSRC PROPERTY WILL INCLUDE REMOVAL OF 6 IN OF SOIL BELOW EXISTING GRADE.



SECTION



PLAN

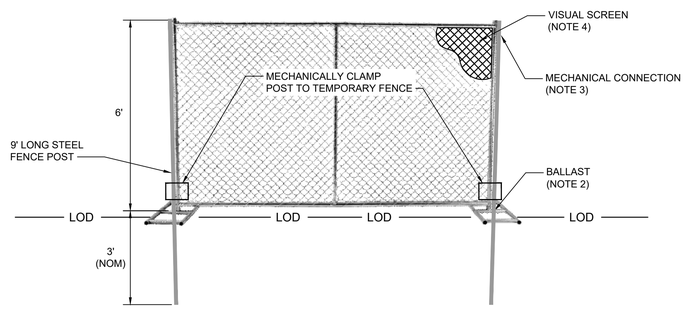
TSCA LOADING AREA NOTES:

1. SEE DRAWING 2 FOR GENERAL NOTES.
2. CONTRACTOR SHALL PLACE SUMP (SEE DETAIL 20) AT LOWEST POINT OF TSCA LOADING AREA. SUMP LOCATION SHALL BE APPROVED BY ENGINEER. SEE DETAIL 25 FOR SUMP CONSTRUCTION.
3. TSCA LOADING AREA SHALL BE COVERED USING CONTINUOUS 6-MIL POLY SHEETING AT THE END OF EACH DAY AND ON DAYS WHEN NOT IN USE.
4. TSCA LOADING AREA SHALL BE CONSTRUCTED WITH AN IMPERMEABLE MEMBRANE EXTENDING BETWEEN BERMS. RUNOFF AND LEACHATE IN THIS AREA WILL BE COLLECTED FOR OFF-SITE DISPOSAL.

NOTE:

1. RESTORATION OF LOADING AREA WILL INCUDE REMOVAL OF 2 FT OF SOIL BELOW EXISTING GRADE.

26 / - DETAIL
TSCA LOADING AREA
SCALE: NOT TO SCALE

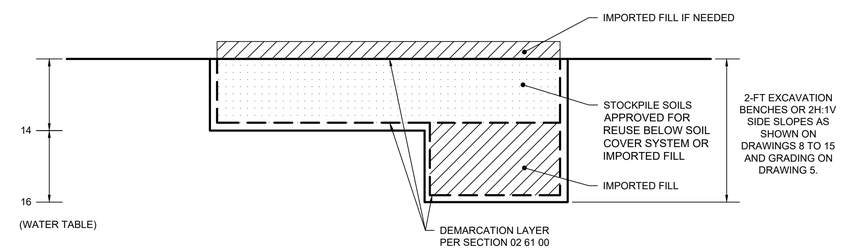


TEMPORARY FENCE ANCHORING

27 / 2 DETAIL
TEMPORARY FENCE
SCALE: NOT TO SCALE

NOTES:

1. 6-FT TALL, PORTABLE CHAIN-LINK FENCE PANELS, SET ON THE EXISTING GROUND SURFACE, COINCIDENT WITH THE LIMIT OF CONSTRUCTION DISTURBANCE.
2. TEMPORARY BALLAST SHALL INCLUDE SAND BAGS.
3. FLEXIBLE, MECHANICAL CONNECTION, BETWEEN FENCE PANELS.
4. FULL-COVERAGE VISUAL SCREENING OVER EACH ENTIRE FENCE PANEL.
5. TEMPORARY FENCE ANCHORING SHALL BE INSTALLED AS NEEDED FOR ADDITIONAL SUPPORT (E.G., EVERY SECOND OR THIRD FENCE PANEL).



28 / - DETAIL
EXCAVATION BACKFILL
SCALE: NOT TO SCALE

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
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1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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UNISYS

TITLE: DETAILS

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK — ANDREW A. KRASNOWIDZKI — 089954 — LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-621
REVIEWED BY:	AK	DRAWING NO.:	19 OF 24
APPROVED BY:	##		

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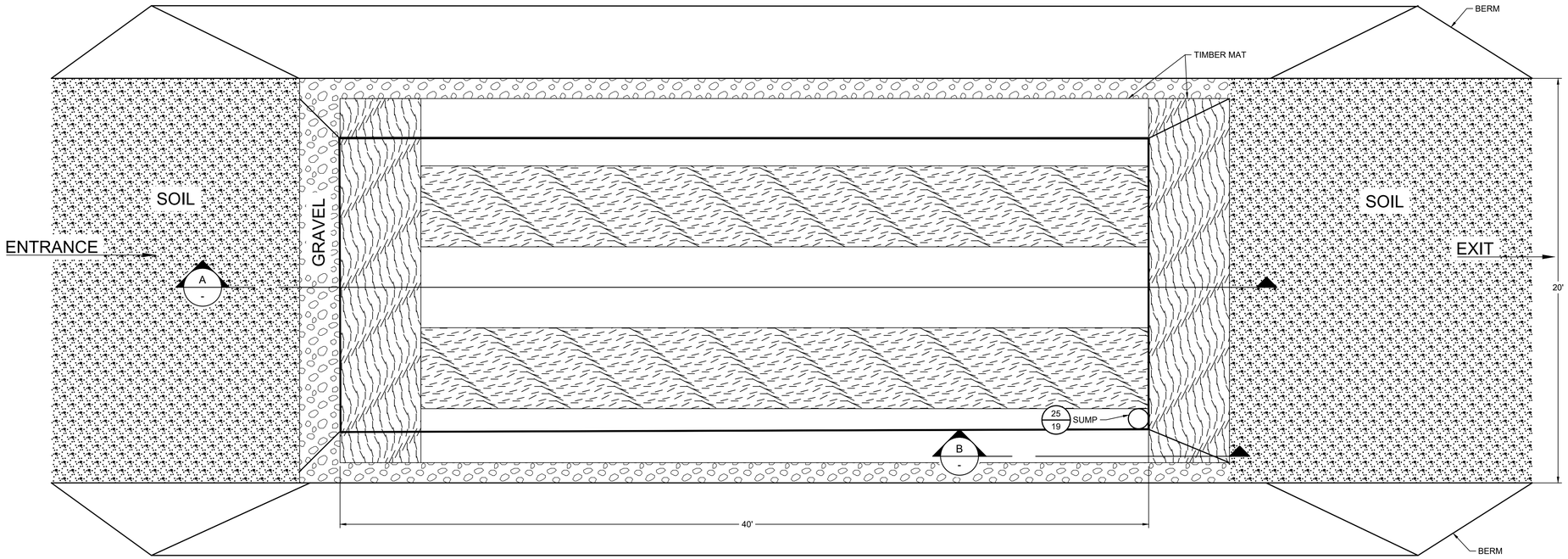
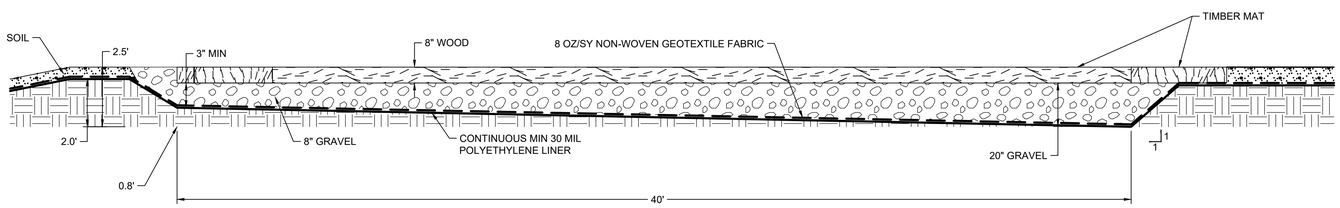
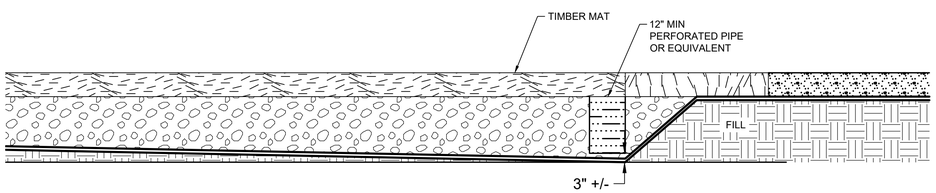


29 / 2 PLAN
EQUIPMENT WASH PAD
SCALE: NOT TO SCALE



A / - SECTION
EQUIPMENT WASH PAD
SCALE: NOT TO SCALE



B / - SECTION
EQUIPMENT WASH PAD SUMP
SCALE: NOT TO SCALE

NOTES:

1. ALL EQUIPMENT RINSE WATER SHALL BE CAPTURED WITHIN THE PAD AND NOT ALLOWED TO RUNOFF OR INFILTRATE.
2. INTERIOR BASE SHALL BE SLOPED SO THAT CAPTURED WATER DRAINS TO THE SUMP LOCATED AT THE LOWEST POINT. ADDITIONAL SUMPS MAY BE INSTALLED AT OTHER LOW SPOTS WITHIN THE AREA AS NECESSARY.
3. ANY WATER COLLECTED WITHIN THE EQUIPMENT WASH PAD SUMP SHALL BE SEGREGATED, CHARACTERIZED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL STATE AND FEDERAL REGULATIONS.

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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UNISYS

TITLE: EQUIPMENT WASH PAD

PROJECT: INTERIM REMEDIATION MEASURE #5
AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION
ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK
ARON A. KRASNOPOLSKY
089954-1
LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-622
REVIEWED BY:	AK	DRAWING NO.:	
APPROVED BY:	##		20 OF 24

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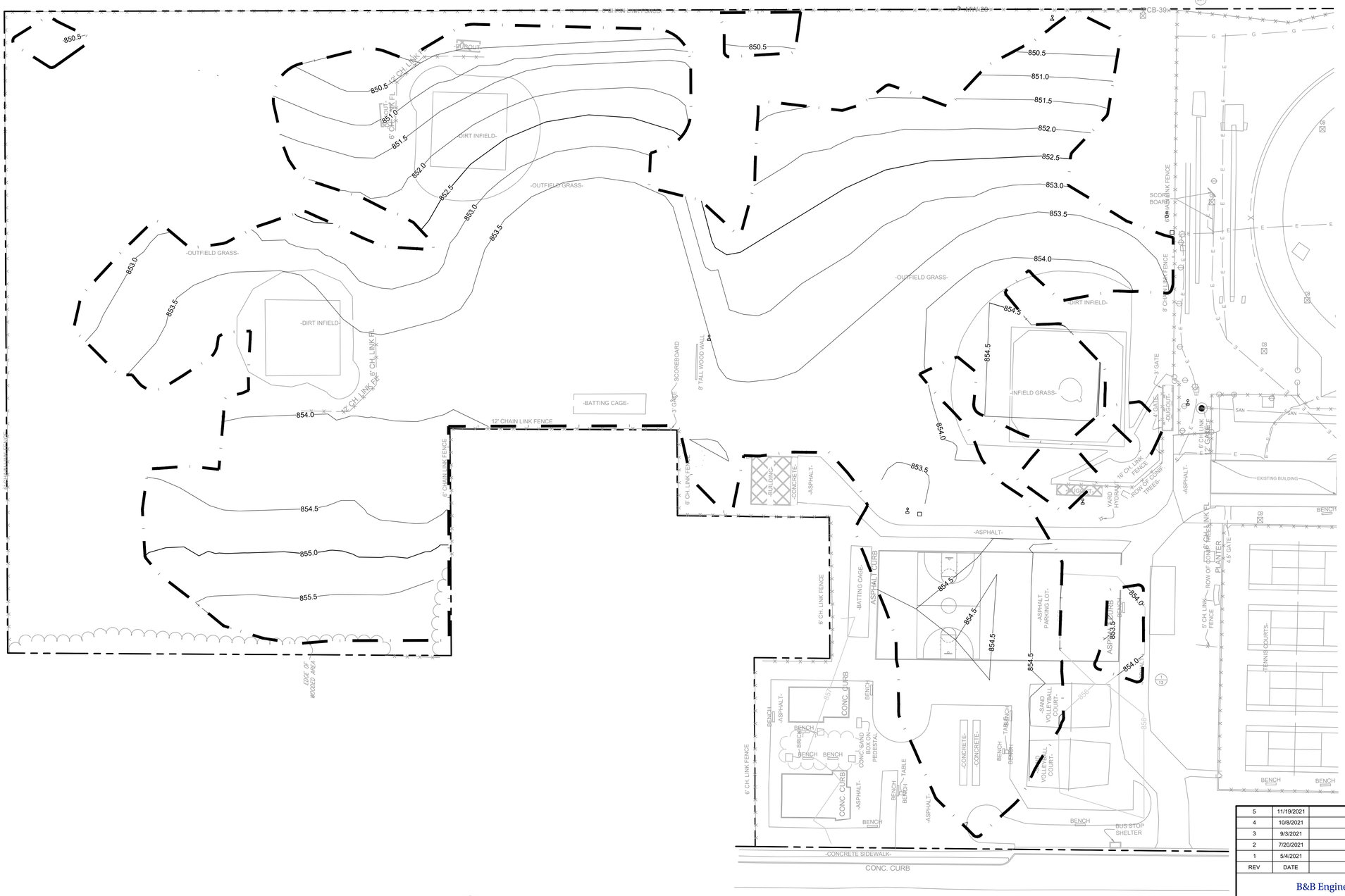

LEGEND

	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

30 / -

PLAN
INTERMEDIATE GRADING PLAN
SCALE: NOT TO SCALE

NOTES:

1. SEE DRAWING 2 FOR GENERAL NOTES.
2. INTERMEDIATE GRADES SHOWN ARE 2.5-FEET BELOW FINAL GRADE SHOWN ON DRAWING C5.0 IN "SITE DEVELOPMENT PLANS FOR ELMIRA HIGH SCHOOL" PROVIDED BY MARATHON ENGINEERING ON 1 SEPTEMBER 2021 IN THE BALL FIELDS AND 2 FEET BELOW GRADES SHOWN ON DRAWING L4.3 PROVIDED BY HUNT ENGINEERS, ARCHITECTS & SURVEYORS ON 16 APRIL 2021 IN THE SHOT AND DISCUS AREA.
3. STOCKPILED SOILS THAT ARE APPROVED FOR RE-USE MAY BE USED FOR BACKFILL TO GRADES SHOWN. SEE DETAIL 28 ON DRAWING 19. CONFIRMATION SAMPLING AND APPROVAL TO BACKFILL SHALL BE REQUIRED PRIOR TO BACKFILLING.
4. DEMARCATION LAYER NETTING SHALL BE PLACED AT INTERMEDIATE GRADE. LOCATION AND DEPTH OF DEMARCATION LAYERS WILL BE SURVEYED. SEE SECTION 01 78 29.

0 40 80
SCALE IN FEET

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
4	10/8/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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1	5/4/2021	RESPONSE TO AGENCY COMMENTS		

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UNISYS

TITLE: INTERMEDIATE GRADING PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ADAM A. KRASNOPOLSKY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-503-020
REVIEWED BY:	AK	DRAWING NO.:	21 OF 24
APPROVED BY:	AK		

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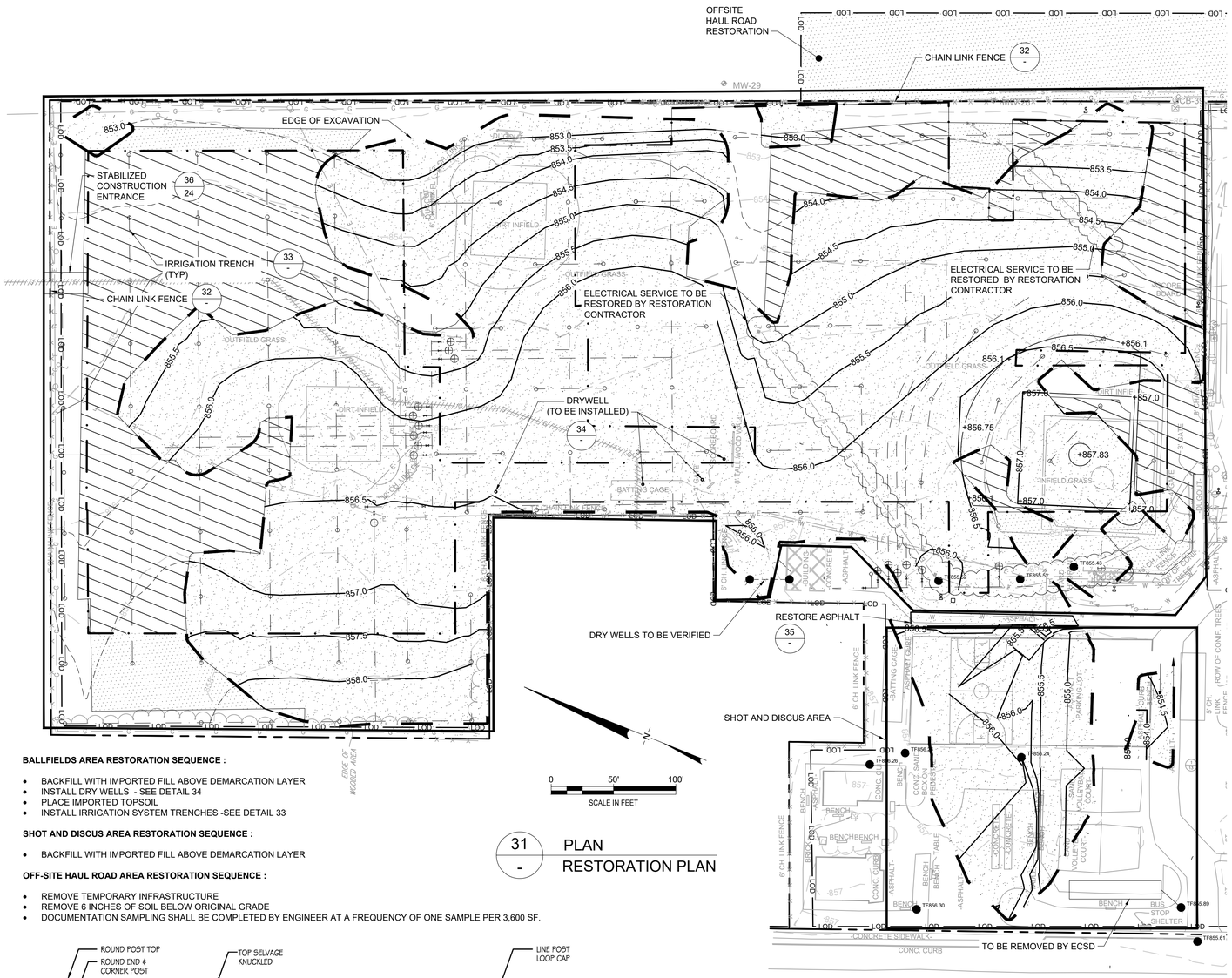


BALLFIELDS AREA RESTORATION SEQUENCE :

- BACKFILL WITH IMPORTED FILL ABOVE DEMARCATION LAYER
- INSTALL DRY WELLS - SEE DETAIL 34
- PLACE IMPORTED TOPSOIL
- INSTALL IRRIGATION SYSTEM TRENCHES -SEE DETAIL 33

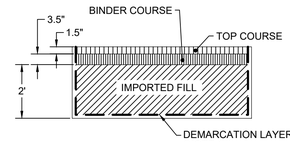
SHOT AND DISCUS AREA RESTORATION SEQUENCE :

- BACKFILL WITH IMPORTED FILL ABOVE DEMARCATION LAYER

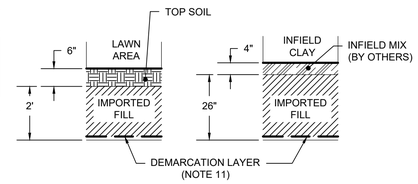
OFF-SITE HAUL ROAD AREA RESTORATION SEQUENCE :

- REMOVE TEMPORARY INFRASTRUCTURE
- REMOVE 6 INCHES OF SOIL BELOW ORIGINAL GRADE
- DOCUMENTATION SAMPLING SHALL BE COMPLETED BY ENGINEER AT A FREQUENCY OF ONE SAMPLE PER 3,600 SF.

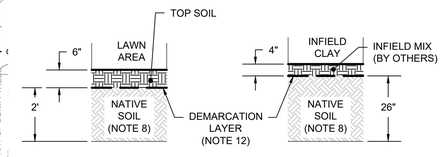
31 - PLAN
RESTORATION PLAN



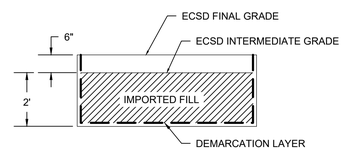
35 - DETAIL
ASPHALT RESTORATION
SCALE: NOT TO SCALE



36 - DETAIL
BALLFIELD RESTORATION
SCALE: NOT TO SCALE



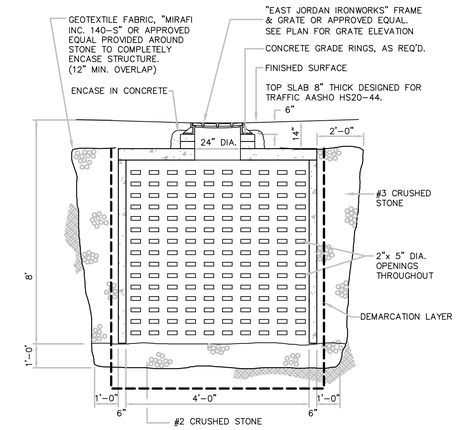
37 - DETAIL
BALLFIELD RESTORATION - NATIVE SOIL
SCALE: NOT TO SCALE



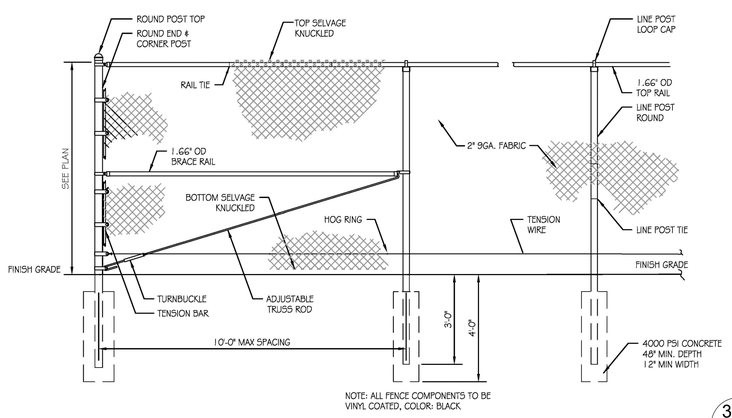
38 - DETAIL
SHOT AND DISCUS AREA
SCALE: NOT TO SCALE

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
- EXISTING DRY WELLS
- PROPOSED DRY WELLS
- EXCAVATION AREA TO BE RESTORED BY IRM CONTRACTOR (SEE NOTE 3)
- AREAS OUTSIDE OF LIMIT OF EXCAVATION TO BE PREPARED FOR BALLFIELD RESTORATION (SEE NOTE 4)
- AREA OUTSIDE OF EXCAVATION TO BE REPLACED (SEE NOTE _)
- IRRIGATION LINE TRENCH (OUTSIDE LIMIT OF EXCAVATION)

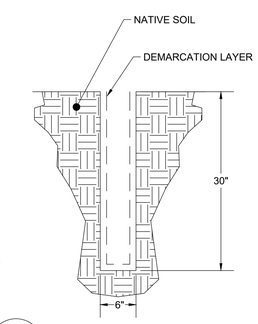


34 - DETAIL
DRYWELL
SCALE: NOT TO SCALE

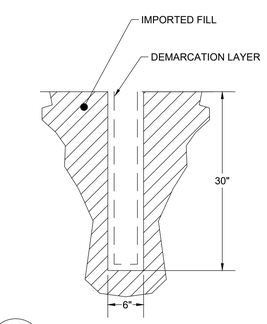


NOTE: ALL FENCE COMPONENTS TO BE VINYL COATED, COLOR: BLACK

32 - DETAIL
CHAIN LINK FENCE
SCALE: NOT TO SCALE



33A - DETAIL
IRRIGATION LINE TRENCH - NATIVE SOIL
SCALE: NOT TO SCALE



33B - DETAIL
IRRIGATION LINE TRENCH - SOIL COVER
SCALE: NOT TO SCALE

NOTES:

1. SEE DRAWING 2 FOR GENERAL NOTES.
2. "FINAL" RESTORATION GRADES WITHIN REMEDIAL EXCAVATIONS SHOWN ARE FINAL GRADES SHOWN ON DRAWING C5.0 IN "SITE DEVELOPMENT PLANS FOR ELMIRA HIGH SCHOOL" PROVIDED BY MARATHON ENGINEERING ON 1 OCTOBER 2021 IN THE BALL FIELDS AND AT GRADES SHOWN ON DRAWING L4.3 PROVIDED BY HUNT ENGINEERS, ARCHITECTS & SURVEYORS ON 16 APRIL 2021 IN THE SHOT AND DISCUS AREA.
3. IMPORTED FILL AND TOPSOIL SHALL BE USED FOR BACKFILL TO GRADES SHOWN ABOVE INTERMEDIATE GRADES SHOWN ON DRAWING 21. TOPSOIL SHALL NOT BE PLACED IN INFIELD CLAY AREAS USED FOR TEMPORARY INFRASTRUCTURE. SEE DETAILS 36 AND 37.
4. AREAS OUTSIDE OF EXCAVATION AREAS SHALL BE RESTORED BY REMOVING SOD AND 6 INCHES OF TOPSOIL, DECOMPACTING AND PLACING 6 INCHES OF IMPORTED TOPSOIL. TOPSOIL SHALL NOT BE PLACED IN INFIELD CLAY AREAS A/B.
5. IRM CONTRACTOR SHALL STRIP SOD FROM AREAS NOT USED FOR TEMPORARY INFRASTRUCTURE. REPLACEMENT SOD TO BE INSTALLED BY OTHERS.
6. IRM CONTRACTOR SHALL INSTALL TRENCHES FOR IRRIGATION SYSTEM. SEE DETAIL 33. TRENCH SPOILS SHALL BE MANAGED FOR POTENTIAL REUSE OR OFFSITE TRANSPORT FOR NON-HAZARDOUS DISPOSAL IN ACCORDANCE WITH SECTION 02 61 13. CONFIRMATION SAMPLING SHALL BE COMPLETED BY ENGINEER OUTSIDE OF EXCAVATION AREAS.
7. IRM CONTRACTOR SHALL INSTALL NEW DRY WELLS. SEE DETAIL 34. SPOILS SHALL BE MANAGED FOR POTENTIAL REUSE OR OFF-SITE TRANSPORT FOR NON-HAZARDOUS DISPOSAL IN ACCORDANCE WITH SECTION 02 61 13. CONFIRMATION SAMPLING SHALL BE COMPLETED BY ENGINEER.
8. VERIFICATION OF SOIL COVER QUALITY SHALL BE COMPLETED PRIOR TO COMPLETION OF IRM ACTIVITIES AND BEFORE FIELD RESTORATION.
9. RESTORATION OF SOIL AS WELL AS ANY UTILITIES AND/OR INFRASTRUCTURE REMOVED DURING DEMOLITION ABOVE THE GRADES SHOWN HEREIN IS TO BE COMPLETED BY OTHERS.
10. IF RESTORATION OCCURS IN NON-GROWING MONTHS, NON-VEGETATED AREAS SHALL BE STABILIZED WITH HAY OR STRAW MULCH (90-100 LBS PER 1000 SF).Ñ
11. MONITORING WELLS REMOVED PRIOR TO EXCAVATION WILL BE REPLACED BY OTHERS PRIOR TO FINAL RESTORATION. PLANS WILL BE PROVIDED TO NYSDEC UNDER SEPARATE COVER.
12. DEMARCATION BELOW SOIL COVER IN REMEDIATED AREAS SHALL BE PLACED A MINIMUM OF TWO FEET BELOW FINAL RESTORATION GRADE (INCLUDING RESTORATION BY OTHERS).
13. AREAS USED FOR TEMPORARY INFRASTRUCTURE SHALL BE VERIFIED AND DOCUMENTED PRIOR TO RESTORATION.

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
5	11/19/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
4	10/8/2021	RESPONSE TO ECSD AND AGENCY COMMENTS		
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.
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UNISYS

TITLE: RESTORATION PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ANDREW A. KRASNOKUTSKI · 089954 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-617
REVIEWED BY:	AK	DRAWING NO.:	
APPROVED BY:	AK	22 OF 24	

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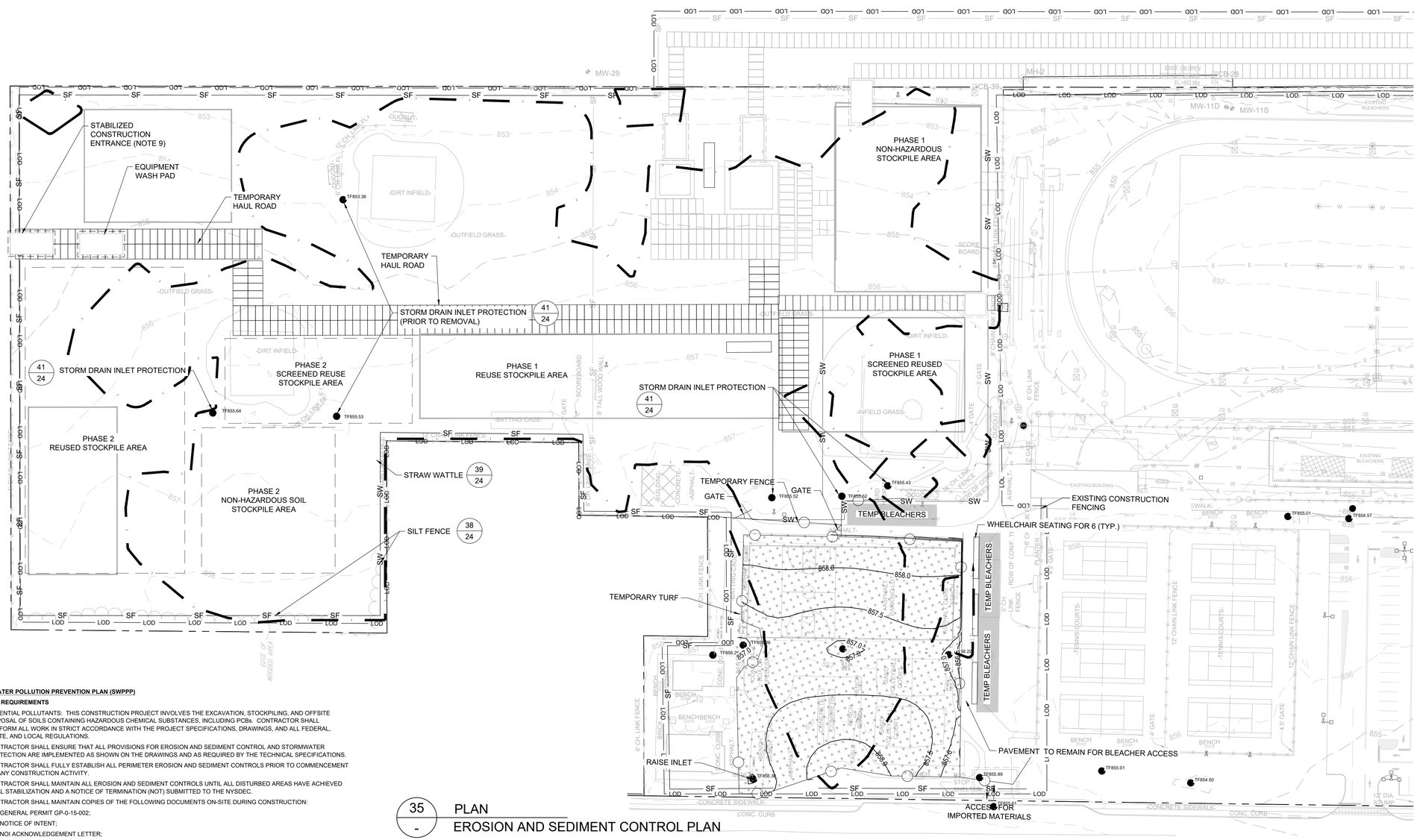

LEGEND

	MANHOLE
	CATCH BASIN
	MANHOLE
	CULVERT PIPE
	CHAIN LINK FENCE
	WOODEN FENCE
	PROPERTY LINE
	EXISTING CONTOUR LINE
	EDGE OF WATER
	EDGE OF WOODS OR BRUSH
U/E	BURIED ELECTRIC CABLE
SAN	SANITARY SEWER
ST	STORM SEWER
G	NATURAL GAS LINE
W	WATER LINE
	EXCAVATION LIMITS
LOD	LIMIT OF DISTURBANCE
SW	STRAW WATTLE
FO	BURIED FIBER OPTIC CABLE
	TREE
TF855.64	DRY WELLS
SF	SILT FENCE
SW	STRAW WATTLE
	EXCAVATION LIMIT

0 50' 100'
SCALE IN FEET

35 / - PLAN
EROSION AND SEDIMENT CONTROL PLAN

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

GENERAL REQUIREMENTS

1. POTENTIAL POLLUTANTS: THIS CONSTRUCTION PROJECT INVOLVES THE EXCAVATION, STOCKPILING, AND OFFSITE DISPOSAL OF SOILS CONTAINING HAZARDOUS CHEMICAL SUBSTANCES, INCLUDING PCBs. CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS, DRAWINGS, AND ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
2. CONTRACTOR SHALL ENSURE THAT ALL PROVISIONS FOR EROSION AND SEDIMENT CONTROL AND STORMWATER PROTECTION ARE IMPLEMENTED AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY THE TECHNICAL SPECIFICATIONS.
3. CONTRACTOR SHALL FULLY ESTABLISH ALL PERIMETER EROSION AND SEDIMENT CONTROLS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
4. CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROLS UNTIL ALL DISTURBED AREAS HAVE ACHIEVED FINAL STABILIZATION AND A NOTICE OF TERMINATION (NOT) SUBMITTED TO THE NYSDEC.
5. CONTRACTOR SHALL MAINTAIN COPIES OF THE FOLLOWING DOCUMENTS ON-SITE DURING CONSTRUCTION:
   A. GENERAL PERMIT GP-0-15-002;
   B. NOTICE OF INTENT;
   C. NOI ACKNOWLEDGEMENT LETTER;
   D. STORMWATER POLLUTION PREVENTION PLAN (SWPPP);
   E. MS4 (I.E. CITY OF ELMIRA) SWPPP ACCEPTANCE FORM;
   F. INSPECTION REPORTS; AND
   G. ANY OTHER DOCUMENTATION NECESSARY TO ELIGIBILITY AND COMPLIANCE WITH PERMIT GP-0-15-002.
6. CONTRACTOR SHALL NOT DISTURB GREATER THAN 5 ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR AUTHORIZATION FROM THE CITY OF ELMIRA.
7. CONTRACTOR SHALL APPLY SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN SEVEN (7) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.
8. TEMPORARY SILT FENCE SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.
9. CONSTRUCTION DETAILS, MATERIAL REQUIREMENTS, DESIGN CRITERIA, AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL PRACTICES ARE PROVIDED ON THE DRAWING DETAILS.
10. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IMPLEMENTED IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (NOVEMBER 2016). PRACTICES SELECTED FOR IMPLEMENTATION A INCLUDING:
    A. STABILIZED CONSTRUCTION ENTRANCE
    B. EARTH DIKE
    C. SILT FENCE
    D. COMPOST FILTER SOCK
    E. DEWATERING SUMP
    F. TEMPORARY CONSTRUCTION AREA SEEDING
    G. RECREATIONAL AREA SEEDING
11. OTHER PRACTICES NOT SHOWN ON THE DRAWINGS OR LISTED ABOVE SHALL BE IMPLEMENTED AS NECESSARY TO PROTECT WATER QUALITY AND MINIMIZE SEDIMENT RUNOFF.
12. CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.
13. CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES AND NON-SEDIMENT POLLUTION CONTROL MEASURES UNTIL THROUGHOUT CONSTRUCTION AND UNTIL A NOTICE OF TERMINATION FOR PERMIT GP-0-15-002 IS REVIVED.
14. CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED IN CONSTRUCTION ACTIVITIES THAT MAY AFFECT STORMWATER QUALITY SHALL SIGN THE CONTRACTOR CERTIFICATION STATEMENT.
15. SITE INFORMATION:
    A. AREA DISTURBED 6.38 ACRES.

SOIL STABILIZATION AND DUST CONTROL

1. VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (NOVEMBER 2016) FOR TEMPORARY CONSTRUCTION AREA SEEDING, RECREATIONAL AREA SEEDING, TOPSOILING, AND MULCHING.
2. TEMPORARY CONSTRUCTION AREA SEEDING.
   A. DURING SPRING, SUMMER OR EARLY FALL SEED THE AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS PER ACRE (APPROXIMATELY 0.7 TO 1 LBS./1000 SQ. FT.)
   B. DURING LATE FALL OR EARLY WINTER SEED WITH CERTIFIED 'AROOSTOOK' WINTER RYE (CERYLE RYE) AT 100 LBS. PER ACRE (2.5 LBS./1000 SQ. FT.)
   C. ANY SEEDING METHOD MAY BE USED THAT WILL PROVIDE UNIFORM APPLICATION OF SEED TO THE AREA AND RESULT IN RELATIVELY GOOD SOIL TO SEED CONTACT.
   D. MULCH THE AREA WITH HAY OR STRAW AT 2 TONS/ACRE (APPROX. 90 LBS./1000 SQ. FT. OR 2 BALES). QUALITY OF HAY OR STRAW MULCH ALLOWABLE WILL BE DETERMINED BASED ON LONG TERM USE AND VISUAL CONCERNS. MULCH ANCHORING WILL BE REQUIRED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE OF CONCERN. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL MAY BE USED IF APPLIED ACCORDING TO MANUFACTURERS' SPECIFICATION.
3. PERMANENT RECREATION AREA SEEDING.
   A. TIME OF PLANTING: FALL PLANTING IS PREFERRED. SEED AFTER AUGUST 15. IN THE SPRING, PLANT UNTIL MAY 15. IF SEEDING IS DONE BETWEEN MAY 15 AND AUGUST 15, IRRIGATION MAY BE NECESSARY TO ENSURE A SUCCESSFUL SEEDING.
   B. SITE PREPARATION:
   I. INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO DESIRED GRADES. A MINIMUM OF 4 IN. TOPSOIL IS REQUIRED.
   II. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4-6 INCHES AND DECOMPACTING REQUIRED AREAS PER SOIL RESTORATION STANDARD.
   III. SEE STANDARD AND SPECIFICATION OF TOPSOILING.
   IV. LIME TO A PH OF 6.5. SEE LIME APPLICATION STANDARD.
   V. FERTILIZE AS PER SOIL TEST OR, IF SOIL MUST BE FERTILIZED BEFORE RESULTS OF A SOIL TEST CAN BE OBTAINED TO DETERMINE FERTILIZER NEEDS, APPLY COMMERCIAL FERTILIZER AT 850 POUNDS OF 5-5-10 OR EQUIVALENT PER ACRE (20 LBS/1,000 SQ. FT.). SEE FERTILIZER APPLICATION STANDARD.
   VI. INCORPORATE LIME AND FERTILIZER IN TOP 2-4 INCHES OF TOPSOIL.
   VII. SMOOTH. REMOVE STICKS, FOREIGN MATTER, AND STONES OVER 1 INCH IN DIAMETER, FROM THE SURFACE. FIRM THE SEEDBED.
   C. PLANTING: USE A CULTIPACKER TYPE SEEDER IF POSSIBLE. SEED TO A DEPTH OF 1/8 TO 1/4 INCH. IF SEED IS TO BE BROADCAST, CULTIPACK OR ROLL AFTER SEEDING. IF HYROSEEDED, LIME AND FERTILIZER MAY BE APPLIED THROUGH THE SEEDER, AND ROLLING IS NOT PRACTICAL.
   D. MULCHING: MULCH ALL SEEDINGS IN ACCORDANCE WITH STANDARD AND SPECIFICATIONS FOR MULCHING. SMALL GRAIN STRAW IS THE BEST MATERIAL.
   E. SEED MIXTURE:
      65% CREEPING RED FESCUE: 2.0 - 2.6 LBS./1000 SQ.FT. (PLS)
      20% PERENNIAL RYEGRASS: 0.6 - 0.8 LBS./1000 SQ.FT. (PLS)
      15% FINE FESCUE: 0.4 - 0.6 LBS./1000 SQ.FT. (PLS)
      TOTAL SEED WEIGHT 3.0 - 4.0 LBS./1000 SQ. FT.
   FOR VARIETIES OF SEED SUITABLE FOR SPECIFIC LOCATIONS CONTACT CORNELL COOPERATIVE EXTENSION TURF SPECIALIST.
4. SOILS MAP: ALL AREAS OF WORK ARE CLASSIFIED AS, "MADE LAND", AS PROVIDED BY USDA-NRCS, SOIL SURVEY AREA: CHEMUNG COUNTY, NEW YORK SURVEY AREA DATA: VERSION 13, SEP 23, 2016.
5. DUST CONTROL: CONTRACTOR SHALL PERFORM DUST CONTROL AS REQUIRED BY THE CONTRACT SPECIFICATIONS AND DUST CONTROL MONITORING PLAN.

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UNISYS

TITLE: EROSION AND SEDIMENT CONTROL PLAN

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · ARON A. KRASNOPOLSKY · 089954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	DG	DATE:	SEPTEMBER 2021
DRAWN BY:	AM	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-624
REVIEWED BY:	AK	DRAWING NO.:	23 OF 24
APPROVED BY:			

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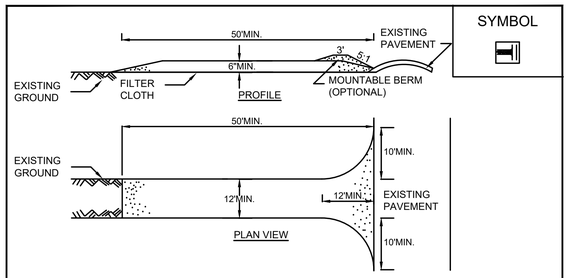


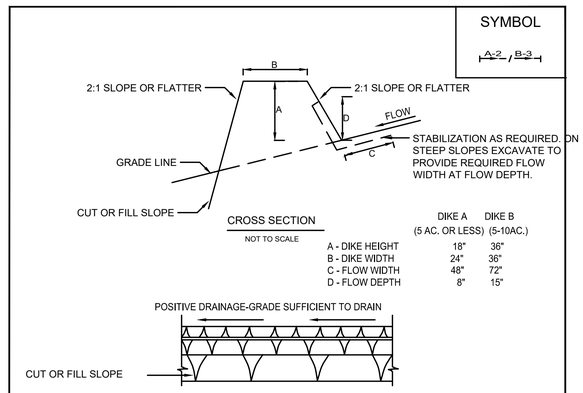
CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STABILIZED CONSTRUCTION ACCESS

36 / 2 DETAIL
STABILIZED CONSTRUCTION ACCESS
SCALE: NOT TO SCALE



	DIKE A (5 AC. OR LESS)	DIKE B (5-10AC.)
A - DIKE HEIGHT	18"	36"
B - DIKE WIDTH	24"	36"
C - FLOW WIDTH	48"	72"
D - FLOW DEPTH	8"	15"

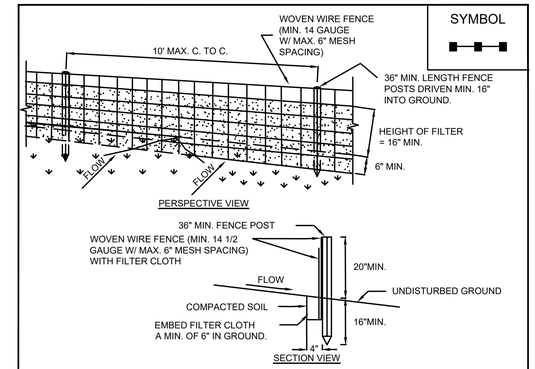
CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. FILL STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL STABILIZATION PER THE STANDARD CHART BASED ON CHANNEL GRADE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

EARTH DIKE

37 / - DETAIL
EARTH DIKE
(NOTE: AS NEEDED)
SCALE: NOT TO SCALE



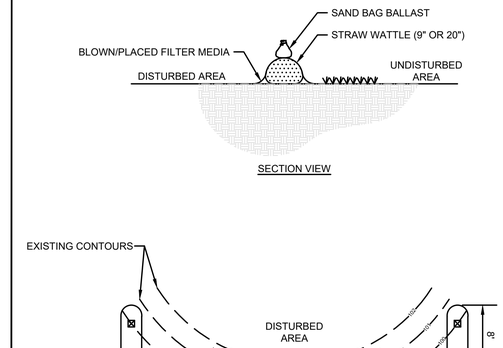
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE

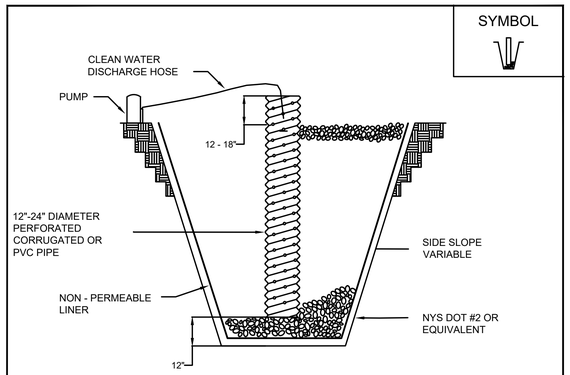
38 / 16 DETAIL
SILT FENCE
SCALE: NOT TO SCALE



ADAPTED FROM DETAILS PROVIDED BY: FILTREXX

STRAW WATTLE

39 / 16 DETAIL
STRAW WATTLE
SCALE: NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. PIT DIMENSIONS ARE VARIABLE.
2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12-24" DIAMETER CORRUGATED OR PVC PIPE.
3. A BASE OF NYS DOT #2 OR EQUIVALENT AGGREGATE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD BE BACKFILLED WITH NYS DOT #2 OR EQUIVALENT AGGREGATE.
4. THE STANDPIPE SHOULD EXTEND 12-18" ABOVE THE LIP OF THE PIT.
5. DIRECT DISCHARGE IS PROHIBITED.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SUMP PIT

40 / - DETAIL
EXCAVATION DEWATERING SUMP PIT
(NOTE: AS NEEDED)
SCALE: NOT TO SCALE

NON-SEDIMENT POLLUTION PREVENTION

THIS SITE POLLUTION PREVENTION PLAN DESCRIBES GENERAL ACTIVITIES TO PREVENT GENERATION OF POLLUTANTS DUE TO IMPROPER HANDLING STORAGE AND SPILLS, AND PREVENT THE MOVEMENT OF TOXIC SUBSTANCES FORM THE SITE INTO SURFACE WATERS. THE FOLLOWING MINIMUM PRACTICES FOR STORMWATER POLLUTION PREVENTION WILL BE PERFORMED:

1. ALL STATE AND FEDERAL REGULATIONS SHALL BE FOLLOWED FOR THE STORAGE, HANDLING, APPLICATION, USAGE, AND DISPOSAL OF PESTICIDES, FERTILIZERS, AND PETROLEUM PRODUCTS.
2. VEHICLE AND CONSTRUCTION EQUIPMENT STAGING AND MAINTENANCE AREAS WILL BE LOCATED AWAY FROM ALL DRAINAGE WAYS WITH THEIR PARKING AREAS GRADED SO THE RUNOFF FROM THESE AREAS IS COLLECTED, CONTAINED AND TREATED PRIOR TO DISCHARGE FROM THE SITE.
3. CONTRACTOR SHALL PROVIDE SANITARY FACILITIES FOR ON-SITE PERSONNEL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
4. CONTRACTOR SHALL STORE, COVER, AND ISOLATE CONSTRUCTION MATERIALS INCLUDING ALL EXCAVATION SPOILS, AND CHEMICALS, TO PREVENT RUNOFF OF POLLUTANTS AND CONTAMINATION OF GROUNDWATER AND SURFACE WATERS.
5. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SPILL PREVENTION AND CONTROL PLAN. THE PLAN SHOULD INCLUDE NYSDEC'S SPILL REPORTING AND INITIAL NOTIFICATION REQUIREMENTS.
6. CONTRACTOR SHALL PROVIDE ADEQUATE DISPOSAL FOR SOLID WASTE INCLUDING WOODY DEBRIS, STUMPS, AND OTHER CONSTRUCTION WASTE AND MUNICIPAL WASTE. FILL, WOODY DEBRIS, STUMPS AND CONSTRUCTION WASTE SHALL NOT BE PLACED IN REGULATED WETLANDS, STREAMS OR OTHER SURFACE WATERS.
7. CONTRACTOR SHALL POST INFORMATIONAL MATERIAL REGARDING PROPER HANDLING, SPILL RESPONSE, SPILL KIT LOCATION, AND EMERGENCY ACTIONS TO BE TAKEN, TO ALL CONSTRUCTION PERSONNEL.
8. REFUELING EQUIPMENT SHALL BE LOCATED AT LEAST 100 FEET FROM ALL WETLANDS, STREAMS AND OTHER SURFACE WATERS.

MAINTENANCE AND INSPECTION

1. All TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES AND STORMWATER POLLUTION PREVENTION PLAN PRACTICES SHALL BE INSPECTED DAILY FOR PROPER APPLICATION AND FUNCTION AS DEFINED IN THE SPECIFICATIONS AND/OR NEW YORK STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
2. DAILY INSPECTION REPORTS SHALL BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION.

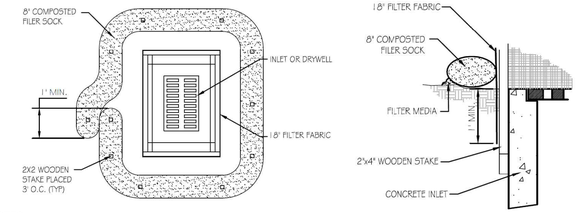
DISCHARGE

1. ANY WATER CONTACTING EXCAVATION AREAS PRIOR TO BACKFILLING WITH SOIL COVER SYSTEM (SEE DETAIL 7, SHEET 9) OR WATER COLLECTED WITHIN THE EQUIPMENT WASH PAD SUMP, SHALL BE SEGREGATED, CHARACTERIZED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
2. AT THE COMPLETION OF CONSTRUCTION, ALL TEMPORARY ACCESS ROAD CONSTRUCTION MATERIALS AND EQUIPMENT WASH PAD CONSTRUCTION MATERIALS SHALL BE REMOVED, CHARACTERIZED, AND DISPOSED OF ACCORDANCE WITH NYSDEC-APPROVED IRM WORK PLAN.

NOTES:

1. CONTRACTOR SHALL UTILIZE EARTH DIKE, COMPOST FILTER SOCK, AND DEWATERING SUMP PIT.
2. CONTRACTOR SHALL INSTALL TEMPORARY 6' TALL CHAIN LINK FENCING PARALLEL TO THE LIMITS OF CONSTRUCTION DISTURBANCE. FENCING SHALL INCLUDE VISUAL SCREENING.

CONSTRUCTION DRAWING



NOTES:

1. COMPOST FILTER SOCK FABRIC SHALL BE A MINIMUMOF 5 MIL HDPE, PHOTODEGRADABLE MATERIAL.
2. STAKE MATERIALS WILL BE STANDARD 2" X 4 " WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
3. MAXIMUM DRAINAGE AREA 15 ACRE.

41 / 25 DETAIL
DROP INLET PROTECTION DETAIL
SCALE: NOT TO SCALE

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an affiliate of Geosyntec Consultants

UNISYS

TITLE: EROSION AND SEDIMENT CONTROL DETAILS

PROJECT: INTERIM REMEDIATION MEASURE #5 AMENDMENT #2

SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK

SIGNATURE
11/19/2021
DATE

STATE OF NEW YORK · JOON A. KRASNOPOLSKY · 099954-1 · LICENSED PROFESSIONAL ENGINEER

DESIGN BY:	AK	DATE:	SEPTEMBER 2021
DRAWN BY:	JWO	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-625
REVIEWED BY:	PLB	DRAWING NO.:	24 OF 24
APPROVED BY:	AK		

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