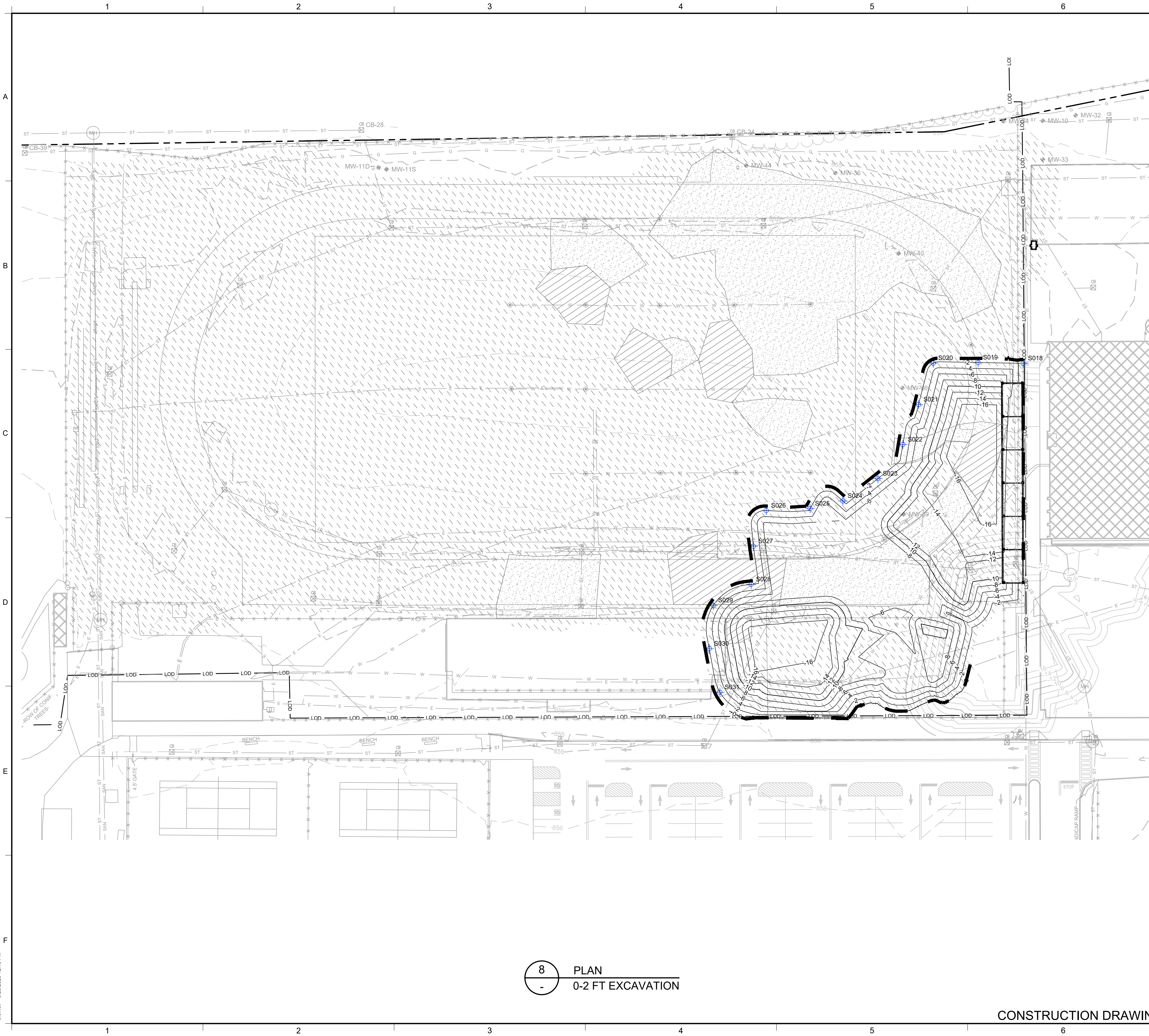


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LEGEND

MANHOLE

CATCH BASIN

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

WATER LINE

EXCAVATION LIMITS

EXCAVATION GRADING

AS-BUILT EXCAVATION GRADING

LIMIT OF DISTURBANCE

BURIED FIBER OPTIC CABLE

TREE

SIDEWALL CONFIRMATION SAMPLE

BOTTOM SAMPLE

NON RCRA/TSCA FOR OFF-SITE DISPOSAL
(PCBS >=10 AND < 50 MG/KG)

TSCA SOILS FOR OFF-SITE DISPOSAL
(PCBS >= 50 MG/KG)

LAYBACK SOIL TO BE REUSED AS BACKFILL PENDING TESTING

NOTES:

- SEE SHEET 3 FOR GENERAL NOTES.
- SEE SHEET 4 FOR GRADING PLAN.
- SEE SECTION 02 61 00 FOR REQUIREMENTS REGARDING EXCAVATION.
- 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.
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- SOILS WITH PCBs > 3.2 Mg/Kg FROM AT OR NEAR THE WATER TABLE SHALL BE BROUGHT TO A TSCA ACCUMULATION AREA FOR LOADING FOR OFF-SITE DISPOSAL. TEMPORARY TSCA TRANSIT ROAD SHALL BE PLACED OVER NON-TSCA AREAS WHEN BRINGING THESE SOILS TO THE TSCA ACCUMULATION AREA.
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- SIDEWALL AND BOTTOM SAMPLE LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BASED ON FELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
- APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

8 PLAN
- 0-2 FT EXCAVATION

CONSTRUCTION DRAWING

1	9/8/2020	RESPONSE TO AGENCY COMMENTS	AD	AK
REV	DATE	DESCRIPTION	DRN	APP

B&B Engineers & Geologists

of new york, p.c.

an affiliate of Geosyntec Consultants

UNISYS

TITLE:

0-2 FT EXCAVATION

PROJECT:

INTERIM REMEDIATION MEASURE #4

SITE:

AMENDMENT #1
ELMIRA, NEW YORK

Signature

9/25/20

DATE

STATE OF NEW YORK

ADON KRAUSHORST

089954-1

REGISTERED PROFESSIONAL ENGINEER

DESIGN BY:

JSW

DATE:

SEPTEMBER 2020

DRAWN BY:

JSW

PROJECT NO.:

MN08321

CHECKED BY:

AK

FILE:

MN08321-109-116

REVIEWED BY:

CHP





DRAWING NO.:

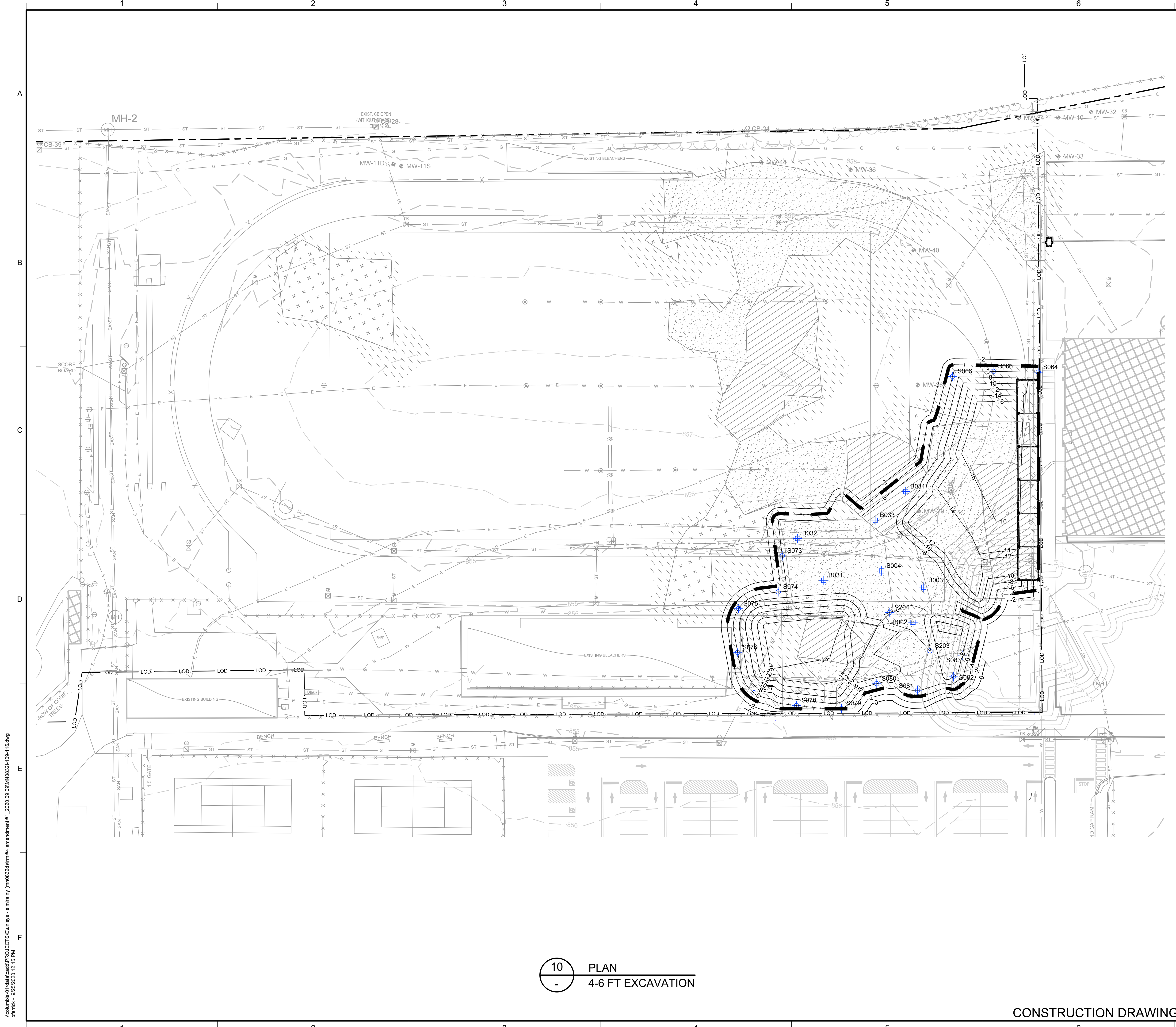
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APPROVED BY:

AK



1	9/8/2020	RESPONSE TO AGENCY COMMENTS	AD	AK
REV	DATE	DESCRIPTION	DRN	APP
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2-4 FT EXCAVATION				
PROJECT:				
INTERIM REMEDIATION MEASURE #4				
SITE:				
AMENDMENT #1 ELMIRA, NEW YORK				
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		CHECKED BY:	AK	FILE: MN08321-109-116
		REVIEWED BY:	CHP	DRAWING NO.:
		APPROVED BY:	AK	10 OF 21



○

MANHOLE

CATCH BASIN

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

WATER LINE

EXCAVATION LIMITS

EXCAVATION GRADING

AS-BUILT EXCAVATION GRADING

LIMIT OF DISTURBANCE

BURIED FIBER OPTIC CABLE

TREE

S040
SIDEWALL CONFIRMATION SAMPLE

B028
BOTTOM SAMPLE

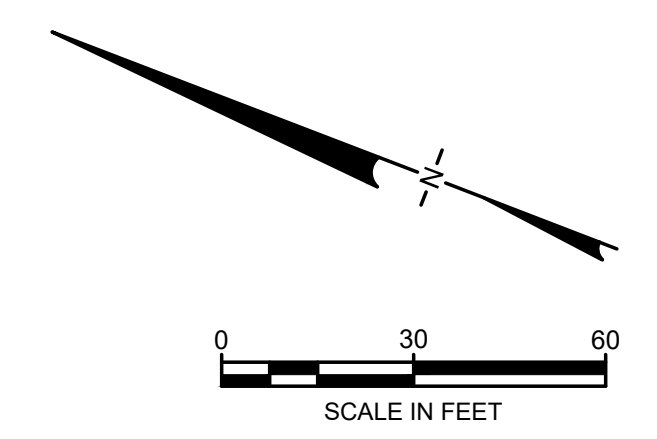
NON RCRA/TSCA FOR OFF-SITE DISPOSAL
(PCBS >=10 AND < 50 MG/KG)

TSCA SOILS FOR OFF-SITE DISPOSAL
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LAYBACK SOIL TO BE REUSED AS BACKFILL PENDING TESTING

METALS-DRIVEN IRM



- NOTES:
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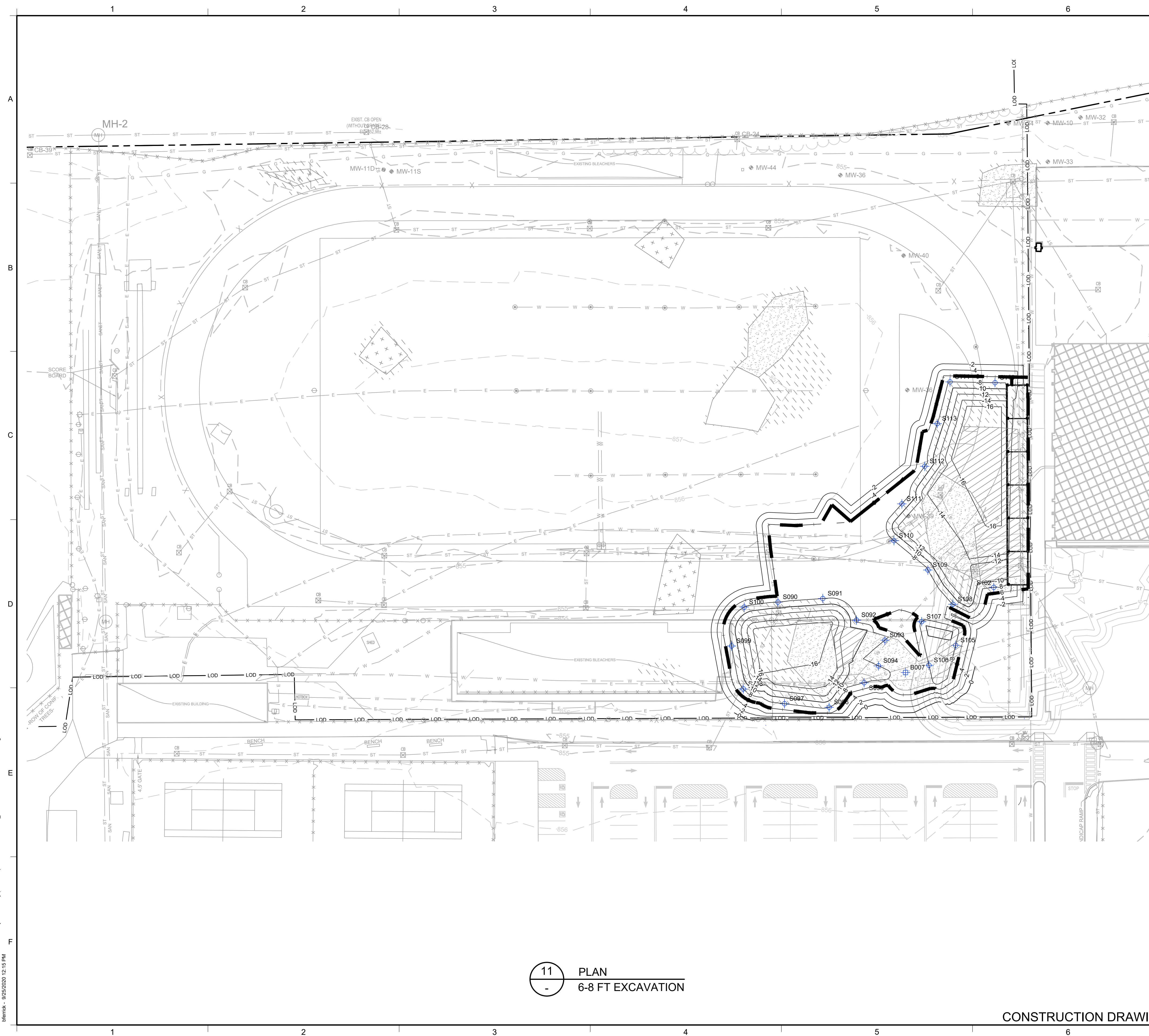


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10 PLAN
- 4-6 FT EXCAVATION

CONSTRUCTION DRAWING

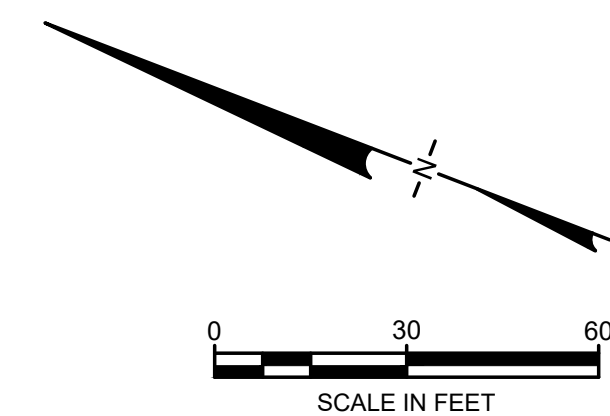
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REV	DATE	DESCRIPTION	DRN	APP
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TITLE: 4-6 FT EXCAVATION				
PROJECT: INTERIM REMEDIATION MEASURE #4				
SITE: AMENDMENT #1 ELMIRA, NEW YORK				
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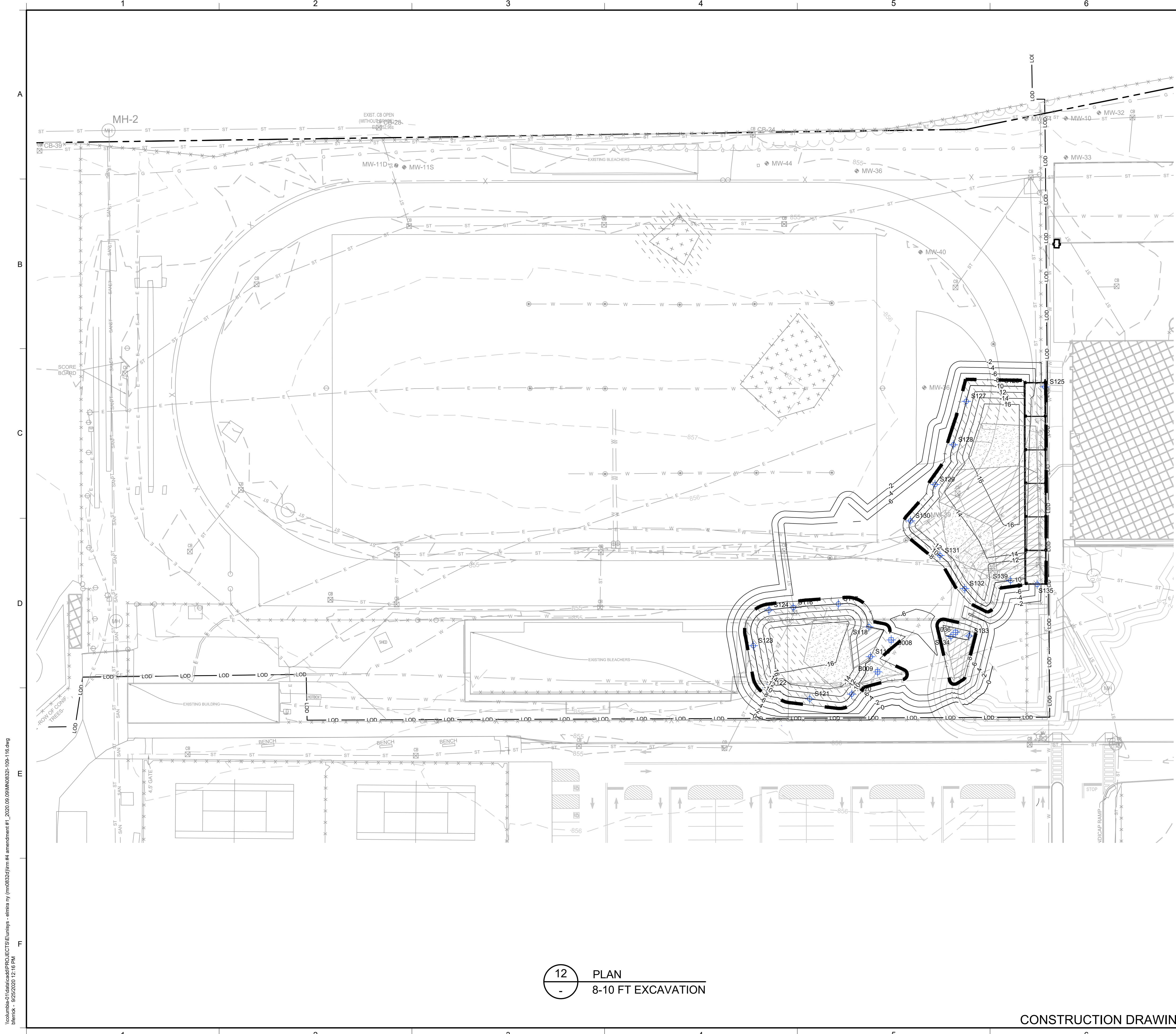


LEGEND			
	MANHOLE		NON RCRA/TSCA FOR OFF-SITE DISPOSAL (PCBS >=10 AND < 50 MG/KG)
	CATCH BASIN		TSCA SOILS FOR OFF-SITE DISPOSAL (PCBS >= 50 MG/KG)
	CULVERT PIPE		LAYBACK SOIL TO BE REUSED AS BACKFILL PENDING TESTING
	CHAIN LINK FENCE		METALS-DRIVEN IRM
	WOODEN FENCE		
	PROPERTY LINE		
	EXISTING CONTOUR LINE		
	EDGE OF WATER		
	EDGE OF WOODS OR BRUSH		
	BURIED ELECTRIC CABLE		
	SANITARY SEWER		
	STORM SEWER		
	NATURAL GAS LINE		
	WATER LINE		
	EXCAVATION LIMITS		
	EXCAVATION GRADING		
	AS-BUILT EXCAVATION GRADING		
	LIMIT OF DISTURBANCE		
	BURIED FIBER OPTIC CABLE		
	TREE		
	SIDEWALL CONFIRMATION SAMPLE		
	BOTTOM SAMPLE		

NOTES:

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9. APPROVAL OF ENGINEER AND NYSDC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

[illegible]



LEGEND

MANHOLE

CATCH BASIN

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

WATER LINE

EXCAVATION LIMITS

EXCAVATION GRADING

AS-BUILT EXCAVATION GRADING

LIMIT OF DISTURBANCE

BURIED FIBER OPTIC CABLE

TREE

SIDEWALL CONFIRMATION SAMPLE

BOTTOM SAMPLE

NON RCRA/TSCA FOR OFF-SITE DISPOSAL (PCBS >=10 AND < 50 MG/KG)

TSCA SOILS FOR OFF-SITE DISPOSAL (PCBS >= 50 MG/KG)

LAYBACK SOIL TO BE REUSED AS BACKFILL PENDING TESTING

METALS-DRIVEN IRM

NOTES:

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9. APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

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9/8/2020

RESPONSE TO AGENCY COMMENTS

AD

AK

REV

DATE

DESCRIPTION

DRN

APP

B&B Engineers & Geologists

of new york, p.c.

an affiliate of Geosyntec Consultants

UNISYS

TITLE:

8-10 FT EXCAVATION

PROJECT:

INTERIM REMEDIATION MEASURE #4

SITE:

AMENDMENT #1
ELMIRA, NEW YORK

Signature

9/25/20

DATE

DESIGN BY:

JSW

DRAWN BY:

JSW

CHECKED BY:

AK

REVIEWED BY:

CHP

APPROVED BY:

AK

STATE OF NEW YORK

SEAL

PROFESSIONAL ENGINEER

DESIGN BY:

JSW

DATE:

SEPTEMBER 2020

DRAWN BY:

JSW

PROJECT NO.:

MN08321

CHECKED BY:

AK

FILE:

MN08321-109-116

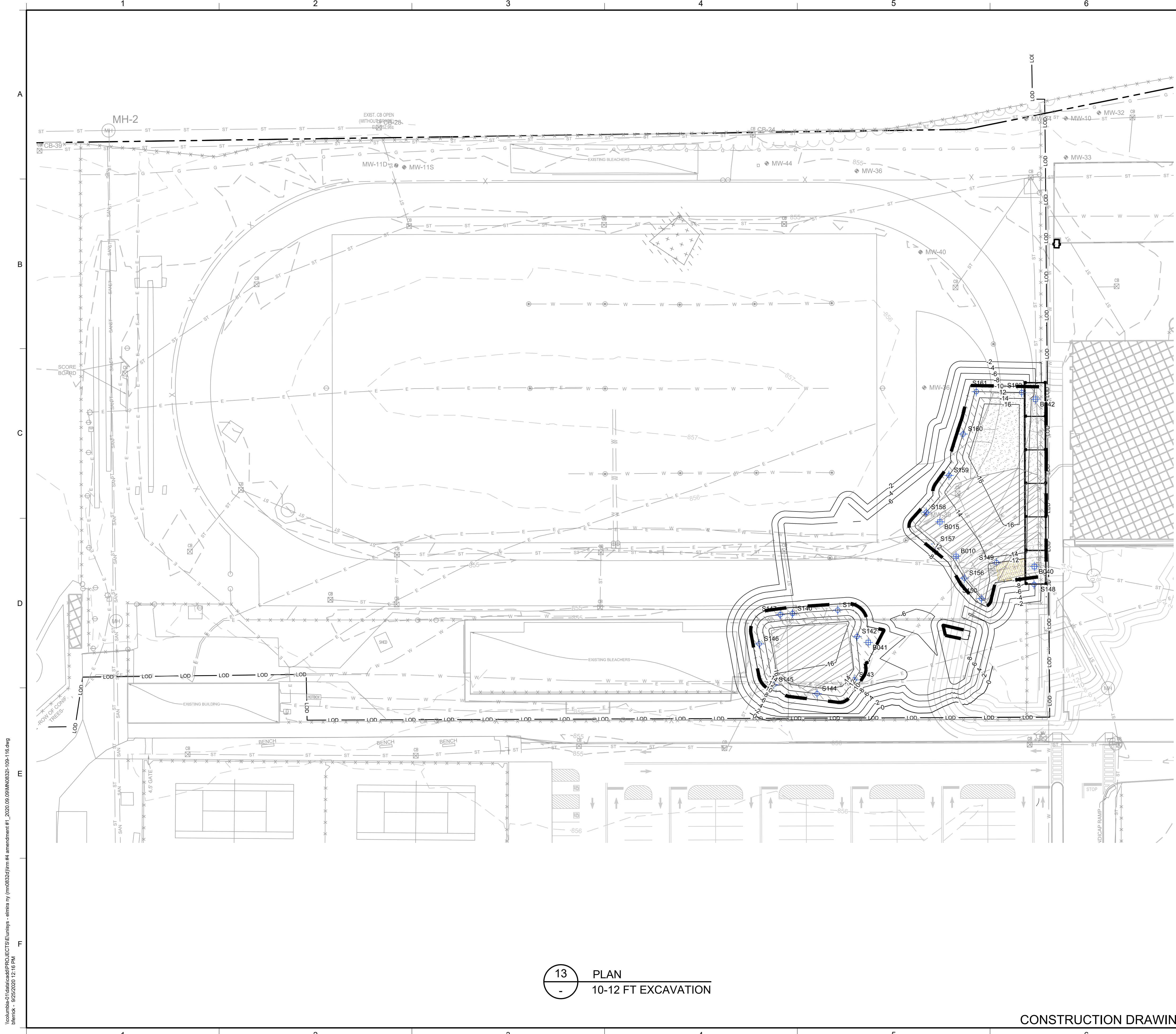
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CHP

DRAWING NO.:

13 OF 21

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LEGEND

MANHOLE

CATCH BASIN

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

WATER LINE

EXCAVATION LIMITS

EXCAVATION GRADING

AS-BUILT EXCAVATION GRADING

LIMIT OF DISTURBANCE

BURIED FIBER OPTIC CABLE

TREE

S040

B028

NON RCRA/TSCA FOR OFF-SITE DISPOSAL (PCBS >=10 AND < 50 MG/KG)

TSCA SOILS FOR OFF-SITE DISPOSAL (PCBS >= 50 MG/KG)

LAYBACK SOIL TO BE REUSED AS BACKFILL PENDING TESTING

METALS-DRIVEN IRM

TSCA / METALS AREA

- NOTES:
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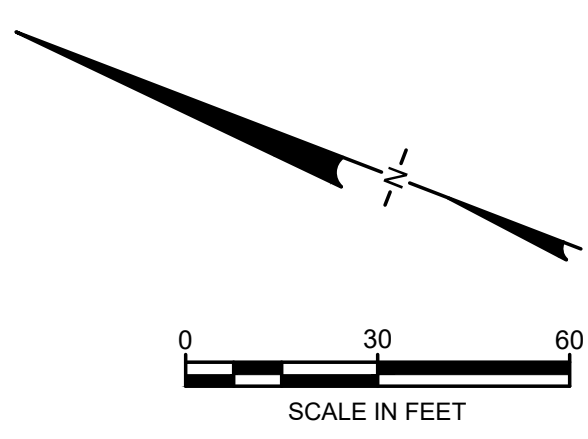
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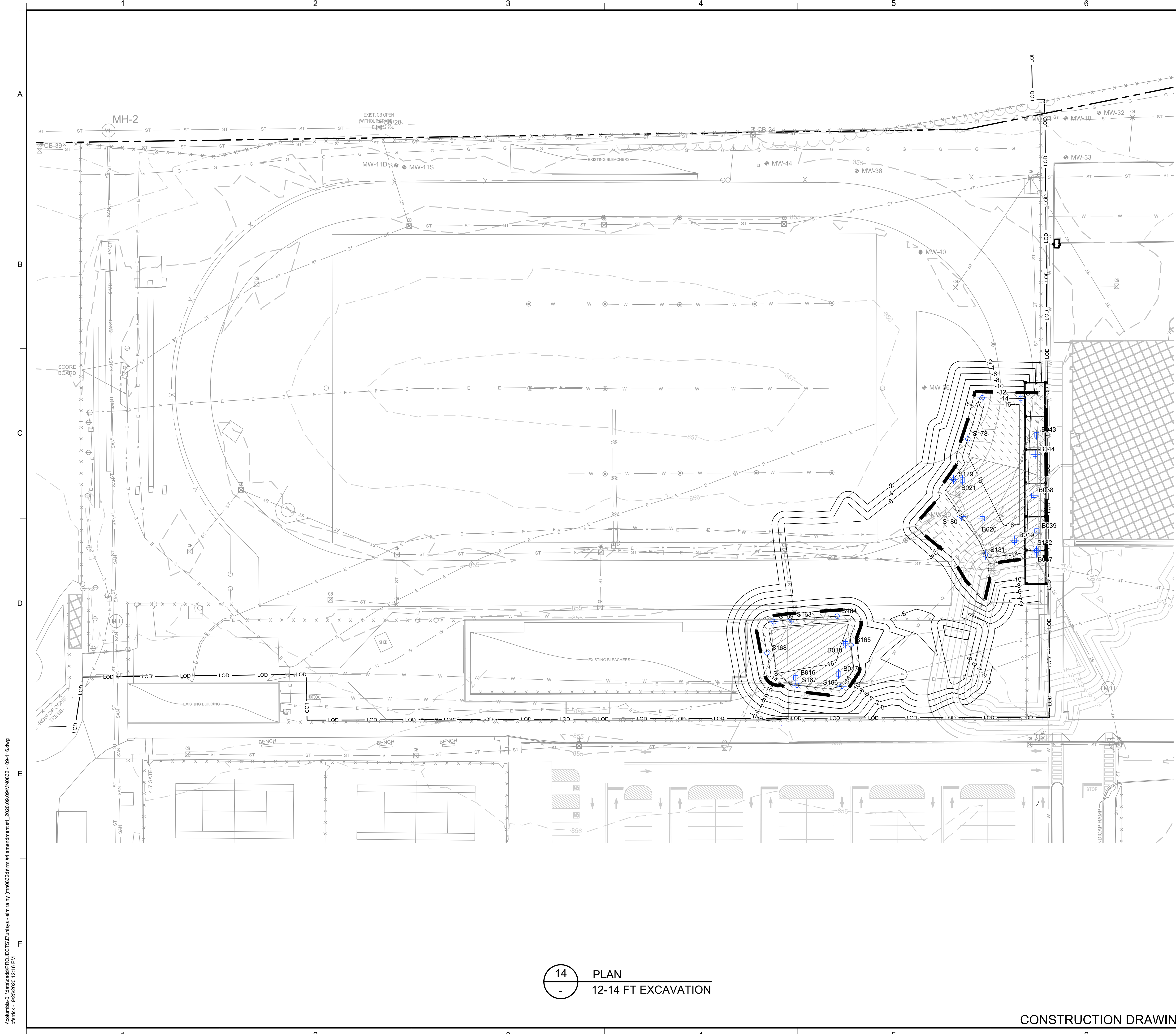
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PLAN

10-12 FT EXCAVATION

CONSTRUCTION DRAWING

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REV	DATE	DESCRIPTION	DRN	APP
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TITLE: 10-12 FT EXCAVATION				
PROJECT: INTERIM REMEDIATION MEASURE #4				
SITE: AMENDMENT #1 ELMIRA, NEW YORK				
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LEGEND

MANHOLE

CATCH BASIN

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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EXCAVATION LIMITS

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BURIED FIBER OPTIC CABLE

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S040
SIDEWALL CONFIRMATION SAMPLE

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BOTTOM SAMPLE

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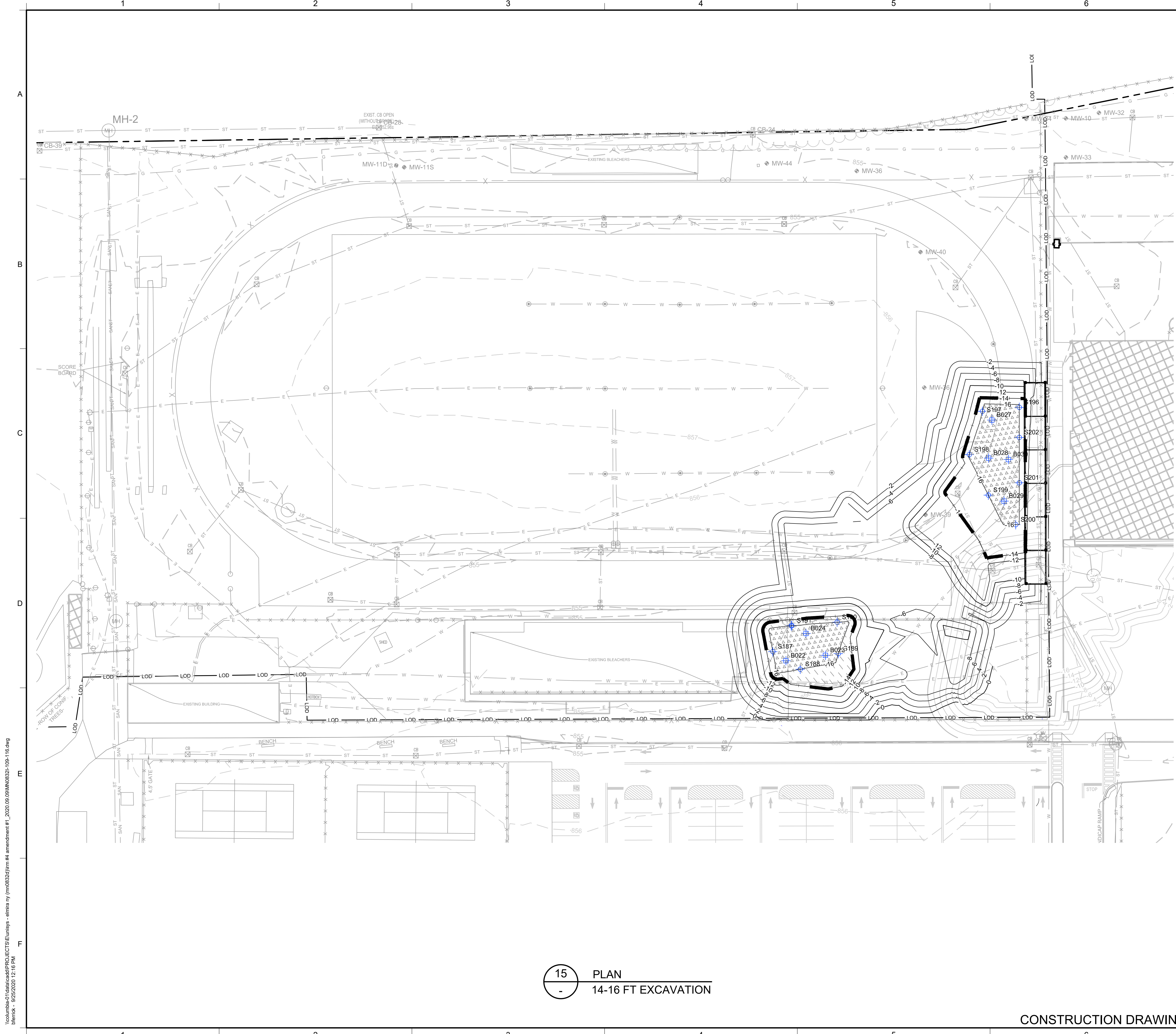
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LEGEND

MANHOLE

CATCH BASIN

CULVERT PIPE

CHAIN LINK FENCE

WOODEN FENCE

PROPERTY LINE

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SIDEWALL CONFIRMATION SAMPLE

BOTTOM SAMPLE

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1

9/8/2020

RESPONSE TO AGENCY COMMENTS

AD

AK

REV

DATE

DESCRIPTION

DRN

APP

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

UNISYS

TITLE:

14-16 FT EXCAVATION

PROJECT:

INTERIM REMEDIATION MEASURE #4

SITE:

AMENDMENT #1
ELMIRA, NEW YORK

Signature

9/25/20

DATE

DESIGN BY:

JSW

DATE:

SEPTEMBER 2020

DRAWN BY:

JSW

PROJECT NO.:

MN08321

CHECKED BY:

AK

FILE:

MN08321-109-116

REVIEWED BY:

CHP

DRAWING NO.:

16 OF 21

APPROVED BY:

AK

STATE OF NEW YORK
JASON KRASHINSKY
LICENSED PROFESSIONAL ENGINEER
089954-1

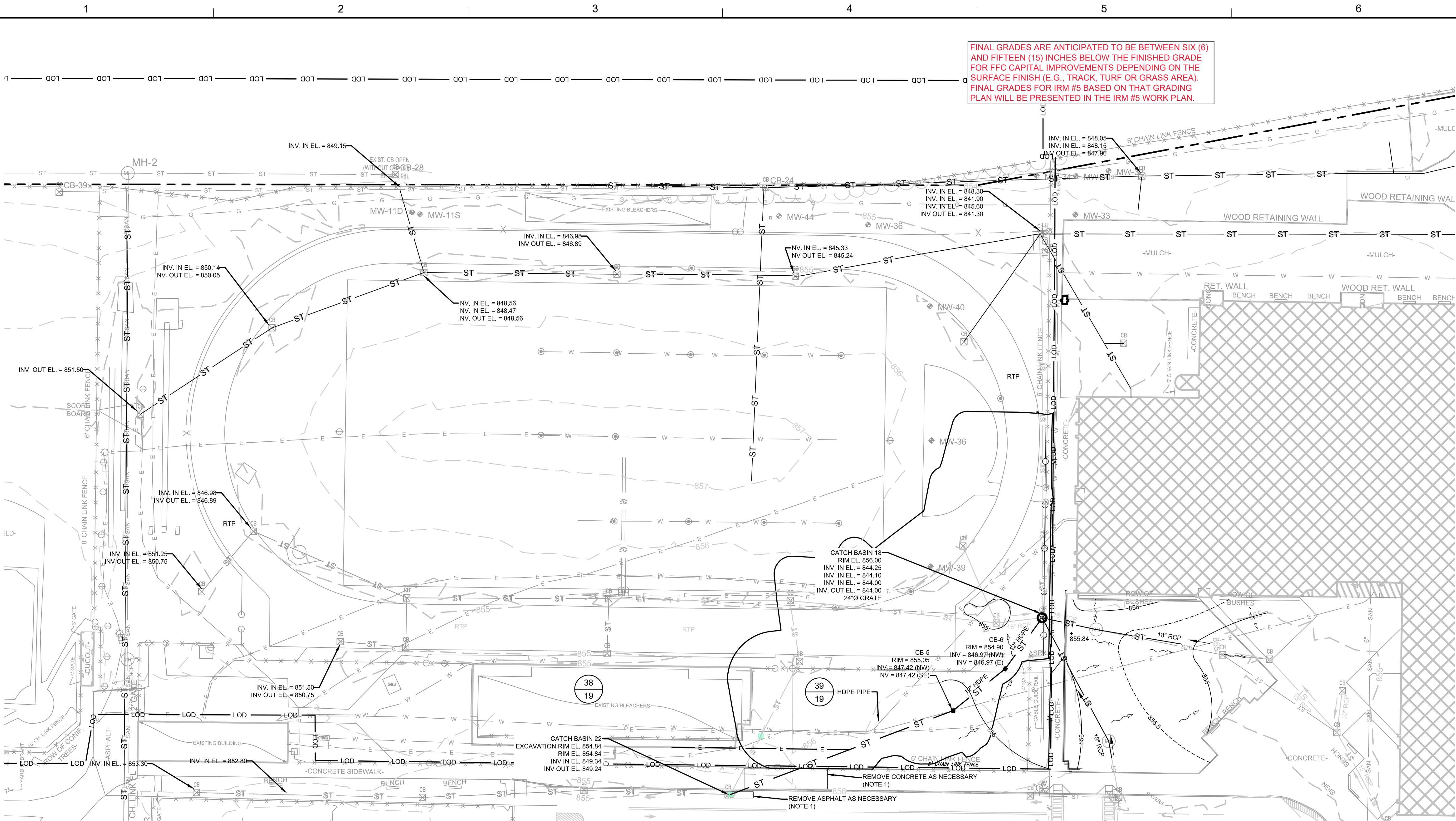
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PLAN

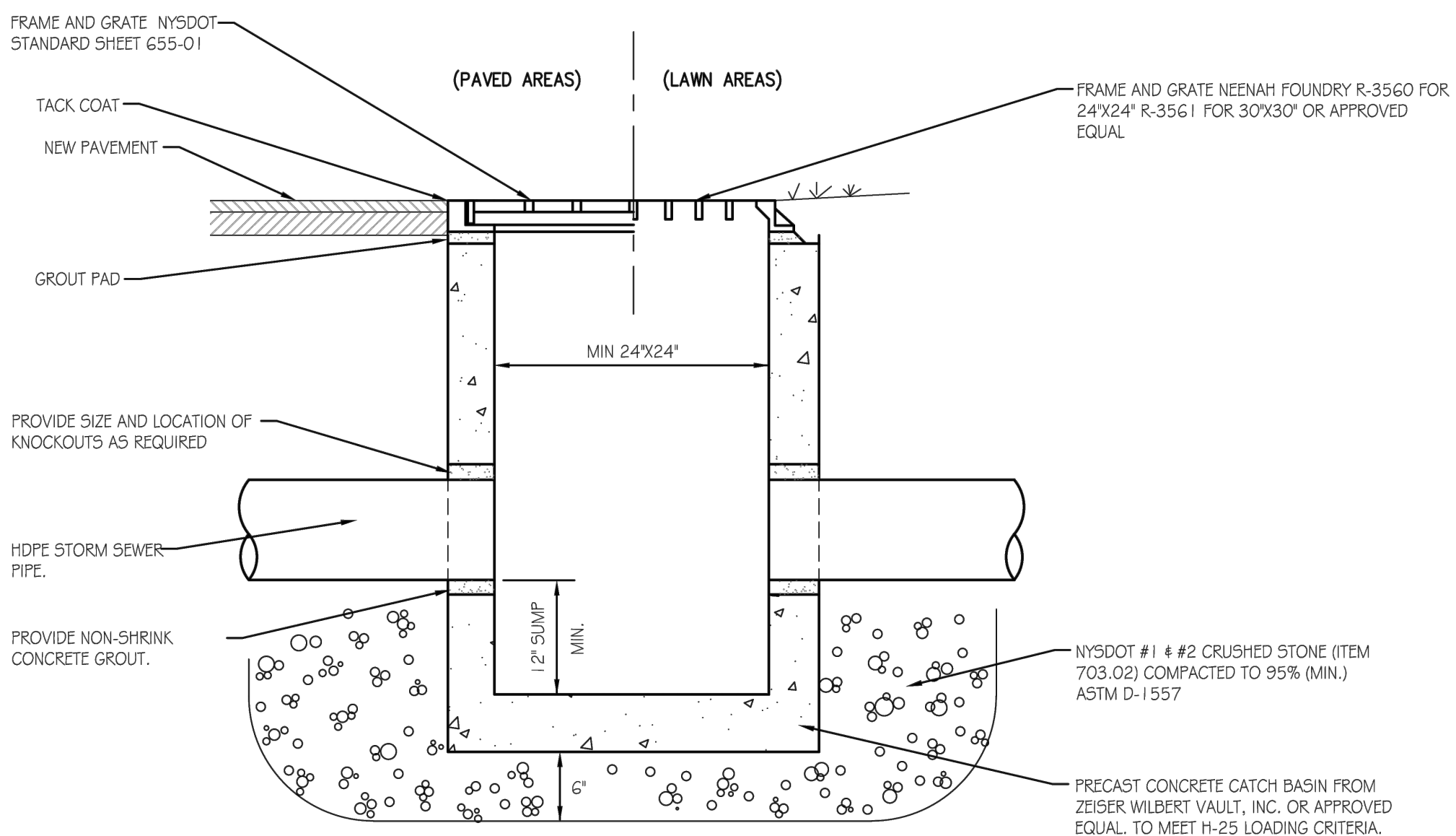
14-16 FT EXCAVATION

CONSTRUCTION DRAWING

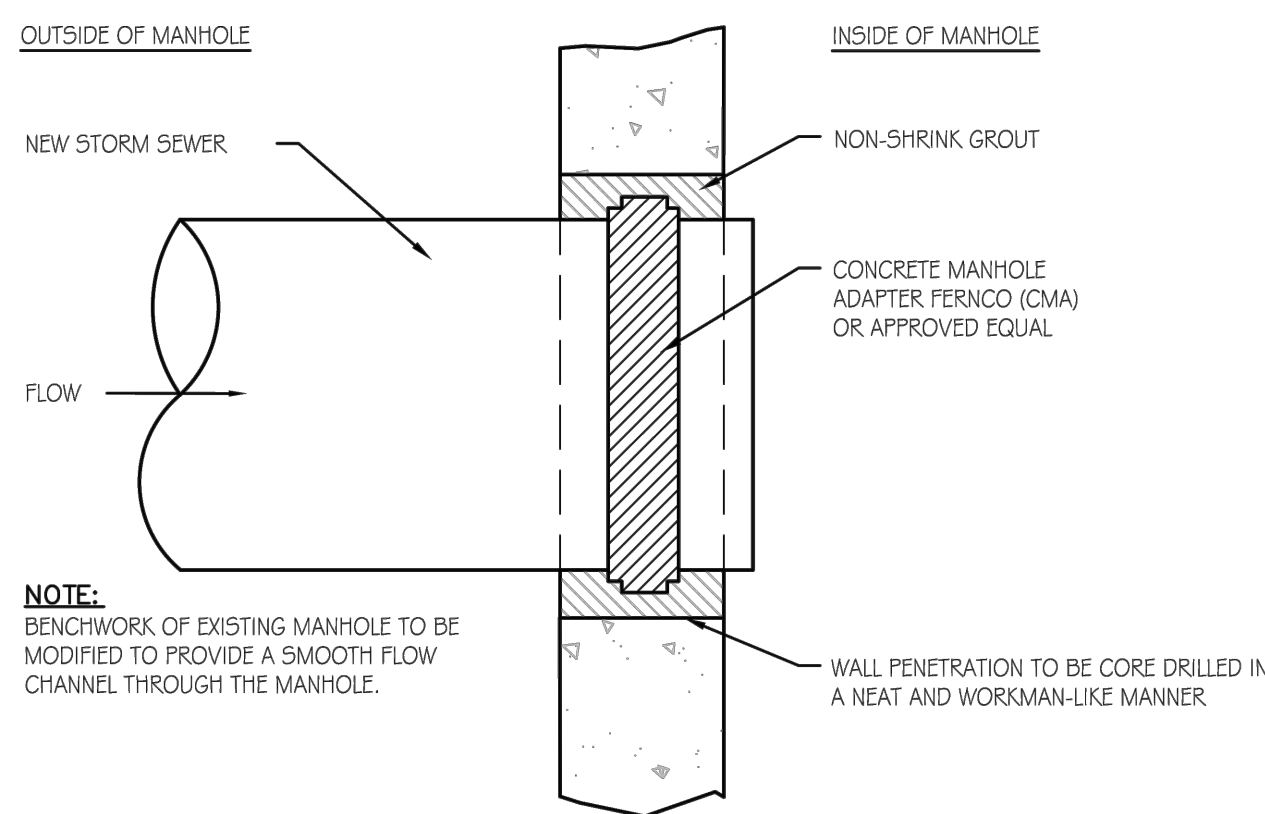


LEGEND	
	MANHOLE
	CATCH BASIN
	CULVERT PIPE
	CHAIN LINK FENCE
	WOODEN FENCE
	PROPERTY LINE
	EXISTING CONTOUR LINE
	EDGE OF WATER
	EDGE OF WOODS OR BRUSH
	BURIED ELECTRIC CABLE
	SANITARY SEWER
	STORM SEWER
	NATURAL GAS LINE
	WATER LINE
	EXCAVATION LIMITS
	LIMIT OF DISTURBANCE
	BURIED FIBER OPTIC CABLE
	TREE
	FLOW DIRECTION
	PROPOSED CONTOUR LINE

27 PLAN SITE RESTORATION



38 DETAIL CATCH BASIN SCALE: NOT TO SCALE

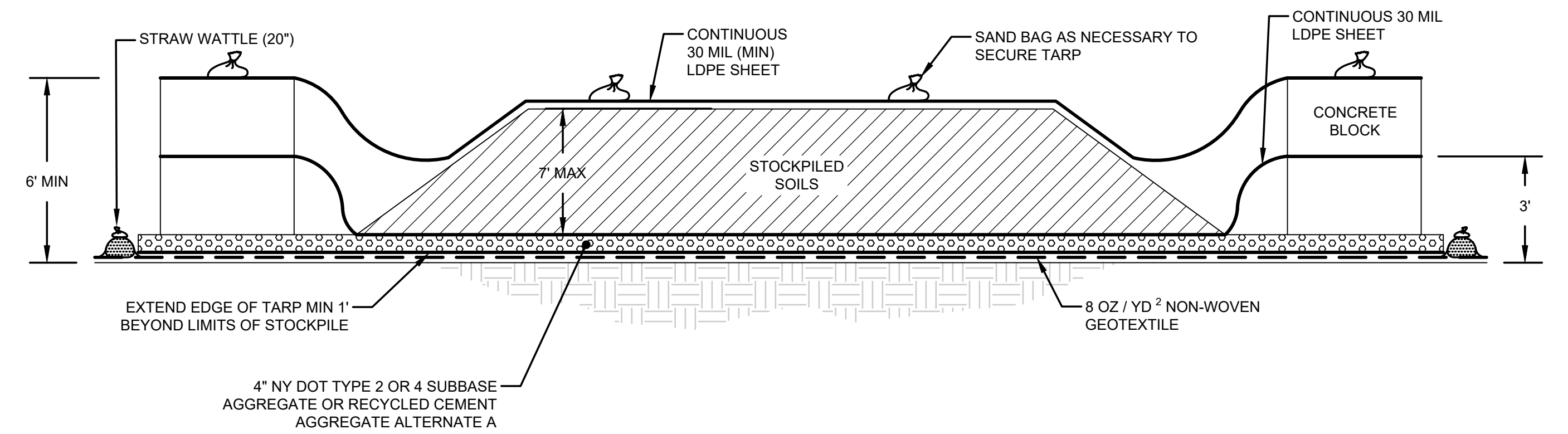


39 DETAIL STORM STRUCTURE CONNECTION SCALE: NOT TO SCALE

- NOTES:
- CONCRETE AND ASPHALT REMOVAL TO BE COORDINATED WITH ECSD STADIUM DEMOLITION. RESTORE CONCRETE WITH NYSDOT ITEM 4.
 - MANHOLE, CATCH BASIN, AND STORM DRAIN PIPE SIZES, MATERIALS, ELEVATIONS, AND INVERTS FROM DRAWING NUMBER L5.1 ENTITLED "SITE UTILITY PLAN - NORTH, HIGH SCHOOL 2017 ALTERATIONS PROJECT, ELMIRA CITY SCHOOL DISTRICT" AND DRAWING NUMBER L5.2 ENTITLED "SITE UTILITY PLAN - SOUTH, HIGH SCHOOL 2017 ALTERATIONS PROJECT, ELMIRA CITY SCHOOL DISTRICT", BY HUNT OF HORSEHEADS, NEW YORK, REVISED 21 FEBRUARY 2017; AND DRAWING NUMBER M-1c ENTITLED "SOUTH SIDE, SITE PLAN SOUTH MECHANICAL ELECTRICAL, AS-BUILT DWG", BY BOULLE ELECTRIC, ELMIRA, N.Y., DATED 28 MAY 1980.
 - CATCH BASIN, STORM SEWER, AND STORM STRUCTURE CONNECTION DETAILS FROM DRAWING NUMBER L6.1 ENTITLED "UTILITY DETAILS, HIGH SCHOOL 2017 ALTERATIONS PROJECT, ELMIRA CITY SCHOOL DISTRICT", BY HUNT OF HORSEHEADS, NEW YORK, REVISED 21 FEBRUARY 2017.
 - DETAILED SURVEY OF EXCAVATION AREA TO BE PERFORMED PRIOR TO COMMENCING EXCAVATION PROJECT TO DOCUMENT AS-BUILT GRADES, LOCATIONS, AND MATERIALS OF ALL INFRASTRUCTURE TO BE REMOVED. ALL INFRASTRUCTURE REMOVED FOR EXCAVATION TO BE REPLACED IN KIND, AS DOCUMENTED BY PRE-EXCAVATION AS-BUILT SURVEY. INFRASTRUCTURE TO BE REPLACED IN KIND IN ACCORDANCE WITH THE TERMS OF THE SETTLEMENT AGREEMENT BETWEEN UNISYS AND ECSD DATED 3 APRIL 2020 WITH REGARD TO FOOTBALL FIELD COMPLEX RESTORATION. FINAL GRADES SHALL BE PROVIDED BY ECSD PRIOR TO BACKFILLING.

1	9/8/2020	RESPONSE TO AGENCY COMMENTS	AD	AK
REV	DATE	DESCRIPTION	DRN	APP
B&B Engineers & Geologists of new york, p.c. <i>an affiliate of Geosyntec Consultants</i>				
UNISYS				
TITLE: STORM DRAIN RESTORATION PLAN				
PROJECT: INTERIM REMEDIATION MEASURE #4				
SITE: AMENDMENT #1 ELMIRA, NEW YORK				
DESIGN BY: JSW		DATE: SEPTEMBER 2020		
DRAWN BY: JSW		PROJECT NO.: MN0832I		
CHECKED BY: AK		FILE: MN0832I-117		
REVIEWED BY: CHP		DRAWING NO.:		
APPROVED BY: AK		17 OF 21		



CONSTRUCTION DRAWING



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 SHALL 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 FT2 TO DOCUMENT SOIL QUALITY.

CONSTRUCTION DRAWING

1	9/8/2020	RESPONSE TO AGENCY COMMENTS	AD	AK
REV	DATE	DESCRIPTION	DRN	APP
<div><div><div>B&B Engineers & Geologists of new york, p.c. <i>an affiliate of Geosyntec Consultants</i></div><div>UNISYS</div></div></div>				
TITLE: RCRA ACCUMULATION AREA PLAN				
PROJECT: INTERIM REMEDIATION MEASURE #4				
SITE: AMENDMENT #1 ELMIRA, NEW YORK				
<div><div></div><div>SIGNATURE</div><div>9/25/20</div><div>DATE</div></div>		<div><div></div><div>DESIGN BY:AK</div><div>DATE:SEPTEMBER 2020</div><div>DRAWN BY:AD</div><div>PROJECT NO.:MN08321</div><div>CHECKED BY:TBR</div><div>FILE:MN08321-118</div><div>REVIEWED BY:PLB</div><div>DRAWING NO.:</div><div>APPROVED BY:AK</div><div>18 OF 21</div></div>		

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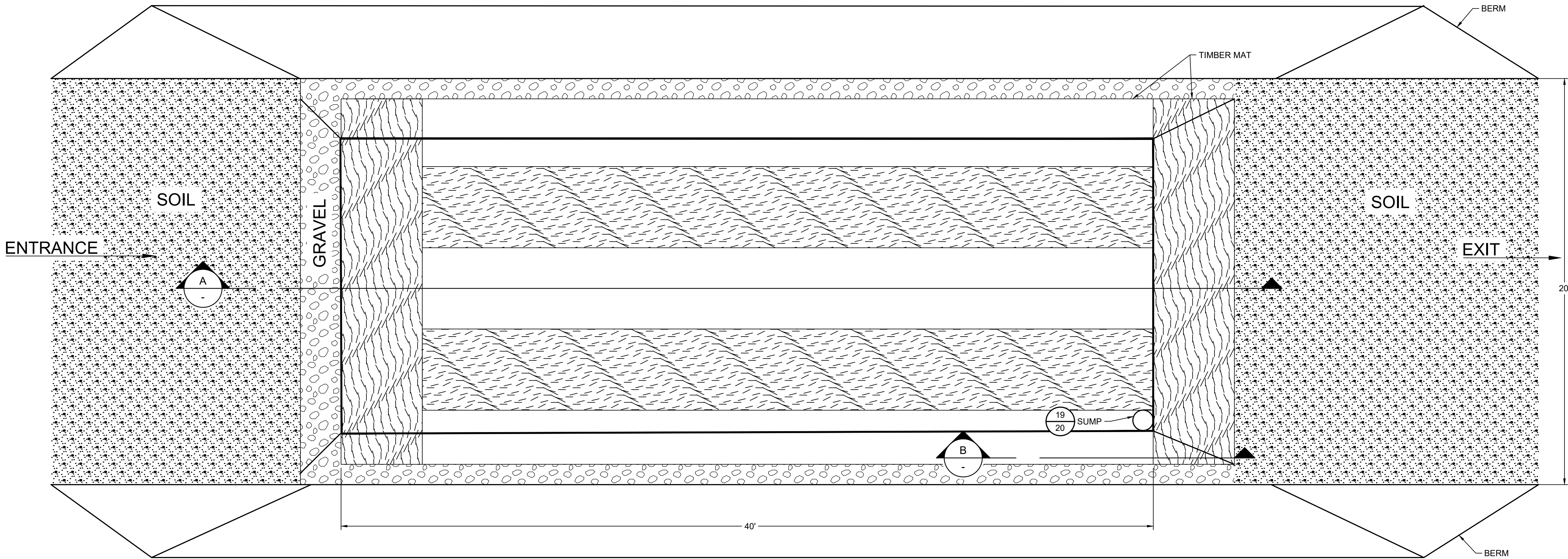
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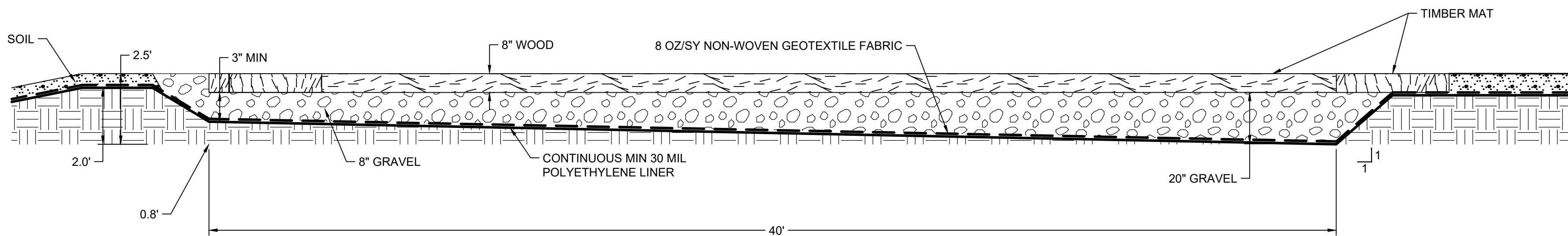
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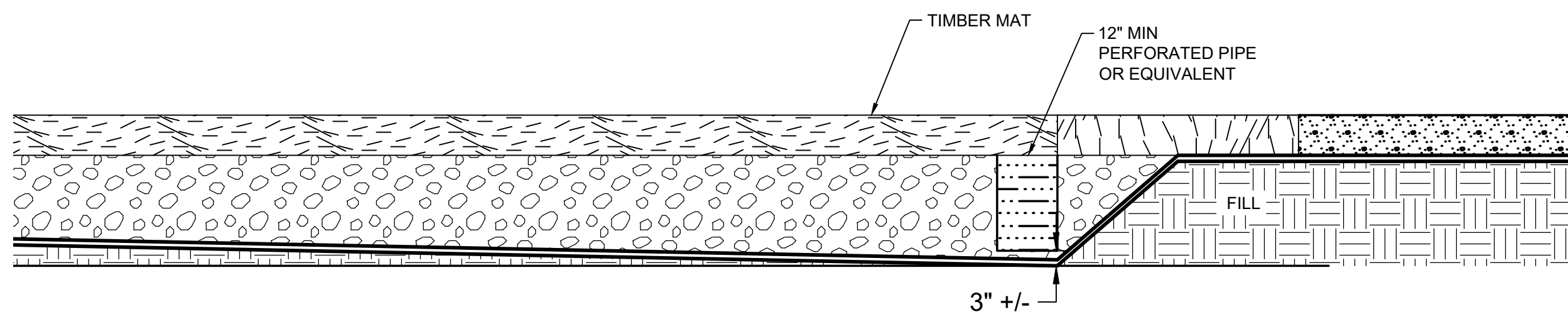
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36
3 PLAN
EQUIPMENT WASH PAD
SCALE: NOT TO SCALE



A
- SECTION
EQUIPMENT WASH PAD
SCALE: NOT TO SCALE



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

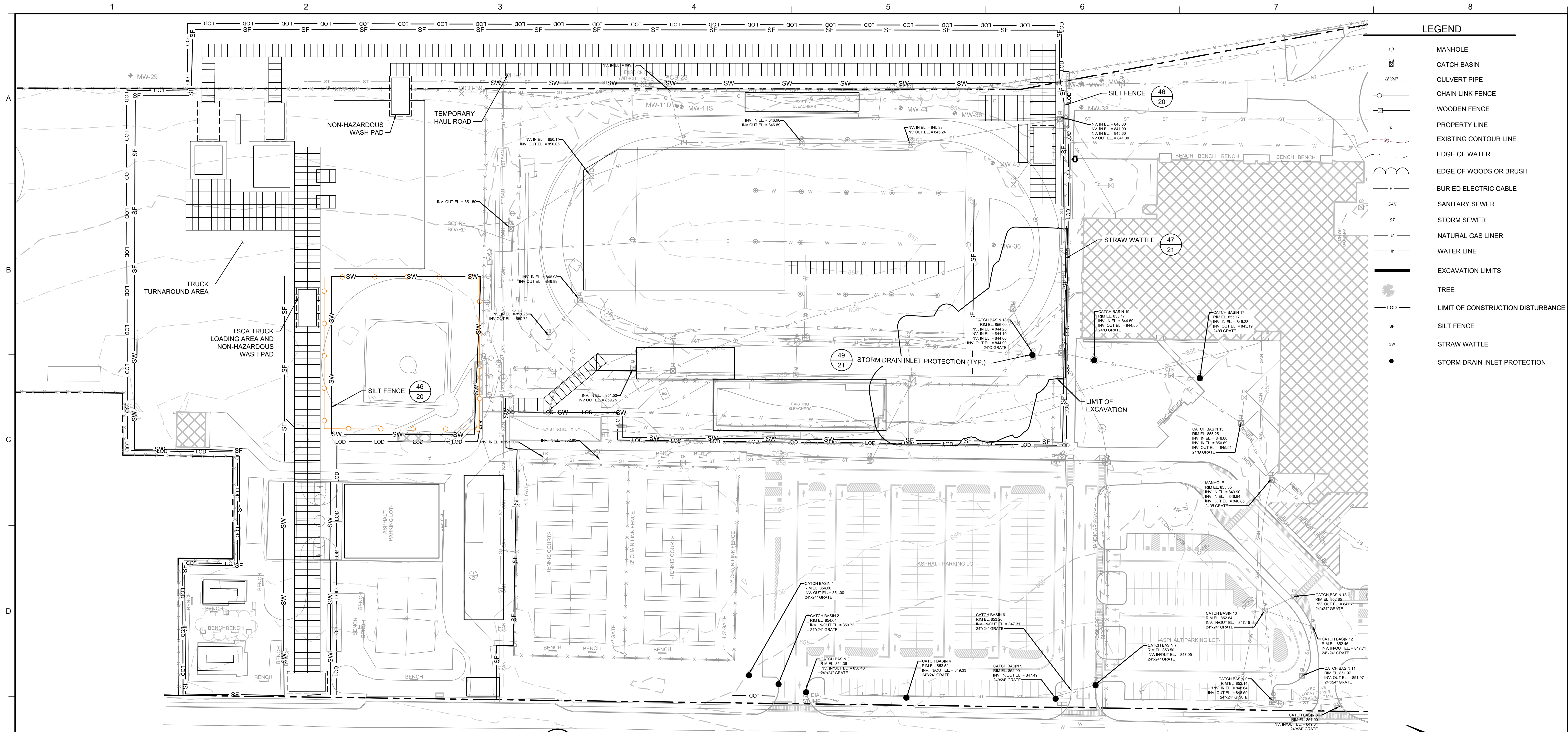
NOTES:

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

1	9/8/2020	RESPONSE TO AGENCY COMMENTS	AD	AK
REV	DATE	DESCRIPTION	DRN	APP
<div><div>B&B Engineers & Geologists of new york, p.c. <small>an affiliate of Geosyntec Consultants</small></div><div>UNISYS</div></div>				
TITLE: EQUIPMENT WASH PAD				
PROJECT: INTERIM REMEDIATION MEASURE #4				
SITE: AMENDMENT #1 ELMIRA, NEW YORK				
DESIGN BY: AK		DATE: SEPTEMBER 2020		
DRAWN BY: JWO		PROJECT NO.: MN0832I		
CHECKED BY: TBR		FILE: MN0832I-119		
REVIEWED BY: PLB		DRAWING NO.: 19 OF 21		
APPROVED BY: AK				
SIGNATURE 9/25/20 DATE		<div><div>STATE OF NEW YORK JASON KRASHINSKY 089954-1 REGISTERED PROFESSIONAL ENGINEER</div></div>		

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17 PLAN
- EROSION AND SEDIMENT CONTROL PLAN

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

GENERAL REQUIREMENTS

- 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.
- 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.
- CONTRACTOR SHALL FULLY ESTABLISH ALL PERIMETER EROSION AND SEDIMENT CONTROLS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
- 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.
- CONTRACTOR SHALL MAINTAIN COPIES OF THE FOLLOWING DOCUMENTS ON-SITE DURING CONSTRUCTION:
 - GENERAL PERMIT GP-0-15-002;
 - NOTICE OF INTENT;
 - NOI ACKNOWLEDGEMENT LETTER;
 - STORMWATER POLLUTION PREVENTION PLAN (SWPPP);
 - MS4 (I.E. CITY OF ELMIRA) SWPPP ACCEPTANCE FORM;
 - INSPECTION REPORTS; AND
 - ANY OTHER DOCUMENTATION NECESSARY TO ELIGIBILITY AND COMPLIANCE WITH PERMIT GP-0-15-002.
- CONTRACTOR SHALL NOT DISTURB GREATER THAN 5 ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR AUTHORIZATION FROM THE CITY OF ELMIRA.
- 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.
- TEMPORARY SILT FENCE SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.
- CONSTRUCTION DETAILS, MATERIAL REQUIREMENTS, DESIGN CRITERIA, AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL PRACTICES ARE PROVIDED ON THE DRAWING DETAILS.
- 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:
 - STABILIZED CONSTRUCTION ENTRANCE
 - EARTH DIKE

- SILT FENCE
- COMPOST FILTER SOCK
- DEWATERING SUMP
- TEMPORARY CONSTRUCTION AREA SEEDING
- RECREATIONAL AREA SEEDING
- STORMWATER INLET PROTECTION

- OTHER PRACTICES NOT SHOWN ON THE DRAWINGS OR LISTED ABOVE SHALL BE IMPLEMENTED AS NECESSARY TO PROTECT WATER QUALITY AND MINIMIZE SEDIMENT RUNOFF.
- 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.
- 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 REVISED.
- CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED IN CONSTRUCTION ACTIVITIES THAT MAY AFFECT STORMWATER QUALITY SHALL SIGN THE CONTRACTOR CERTIFICATION STATEMENT.

- SITE INFORMATION:
 - AREA DISTURBED 6.38 ACRES.

SOIL STABILIZATION AND DUST CONTROL


- 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.
- TEMPORARY CONSTRUCTION AREA SEEDING:
 - 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.)
 - DURING LATE FALL OR EARLY WINTER SEED WITH CERTIFIED "AROSTOOK" WINTER RYE (CERYLE RYE) AT 100 LBS. PER ACRE (2.5 LBS/1000 SQ. FT.)
 - 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.
 - 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.

- PERMANENT RECREATION AREA SEEDING.
 - 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.
 - SITE PREPARATION:
 - INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO DESIRED GRADES. A MINIMUM OF 4 IN. TOPSOIL IS REQUIRED.
 - PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4-6 INCHES AND DECOMPACTING REQUIRED AREAS PER SOIL RESTORATION STANDARD.
 - SEE STANDARD AND SPECIFICATION OF TOPSOILING.
 - LIME TO A PH OF 6.5. SEE LIME APPLICATION STANDARD.
 - 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.
 - INCORPORATE LIME AND FERTILIZER IN TOP 2-4 INCHES OF TOPSOIL.
 - SMOOTH, REMOVE STICKS, FOREIGN MATTER, AND STONES OVER 1 INCH IN DIAMETER, FROM THE SURFACE. FIRM THE SEEDBED.
 - 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.
 - MULCHING: MULCH ALL SEEDINGS IN ACCORDANCE WITH STANDARD AND SPECIFICATIONS FOR MULCHING. SMALL GRAIN STRAW IS THE BEST MATERIAL.
 - 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.
 - 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.
 - DUST CONTROL: CONTRACTOR SHALL PERFORM DUST CONTROL AS REQUIRED BY THE CONTRACT SPECIFICATIONS AND DUST CONTROL MONITORING PLAN.



1	9/8/2020	RESPONSE TO AGENCY COMMENTS	AD	AK
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<div><div><div>B&B Engineers & Geologists</div><div>of new york, p.c.</div><div>an affiliate of Geosyniec Consultants</div></div><div>UNISYS</div></div>				
TITLE: <div>EROSION AND SEDIMENT CONTROL PLAN</div>				
PROJECT: <div>INTERIM REMEDIATION MEASURE #4</div>				
SITE: <div>AMENDMENT #1 ELMIRA, NEW YORK</div>				
<div><div><div><div><div></div><div>SIGNATURE</div></div><div><div>9/25/20</div><div>PLT</div></div></div><div></div></div></div>		<div>DESIGN BY: AK</div> <div>DRAWN BY: JWO</div> <div>CHECKED BY: TBR</div> <div>REVIEWED BY: PLB</div> <div>APPROVED BY: AK</div>	<div>DATE: SEPTEMBER 2020</div> <div>PROJECT NO.: MN0832I</div> <div>FILE: MN0832I-120</div> <div>DRAWING NO.: <div>20 OF 21</div></div>	

CONSTRUCTION DRAWING

