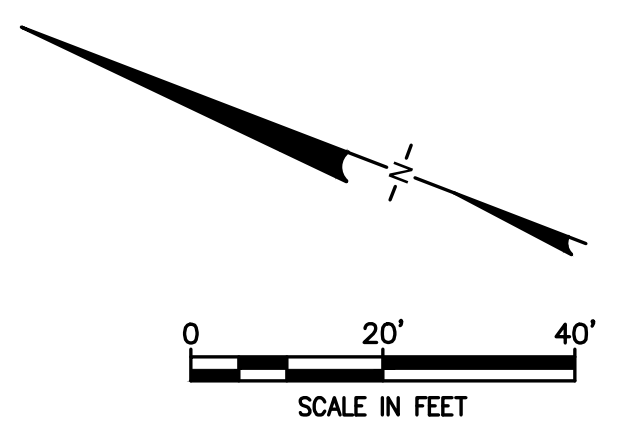


TSCA CONFIRMATION SAMPLES						
Sample Depth	Sample ID	Proposed or Existing	Recovery	Y (Northing)	X (Easting)	PCB Concentration (mg/kg)
TSCA BOTTOM SAMPLES						
8	B673	Existing	100%	754183.47	762214.97	0.4836
TSCA SIDEWALL SAMPLES						
8	IRM4-S186	Proposed	N/A	754218.50	762189.44	-

LEGEND		
	PRE-DELINEATION CONFIRMATION SAMPLE	
	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	
	TSCA OVERLAY AREA	
	BOTTOM AREA	
	SIDEWALL SAMPLE	
	BOTTOM SAMPLE	

- NOTES:
- SEE SHEET 3 FOR GENERAL NOTES.
  - SEE SHEET 6 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. SEE SECTION 2.4 OF IRM #4 WORK PLAN FOR SAMPLING REQUIREMENTS PRIOR TO STOCKPILING.
  - SOILS WITH PCBs > 50 Mg/Kg 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.
  - 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.
  - LAYBACK SOILS SHOWN ON SHEETS 10 TO 17 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).
  - SIDEWALL AND BOTTOM SAMPLE LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BASED ON FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
  - APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

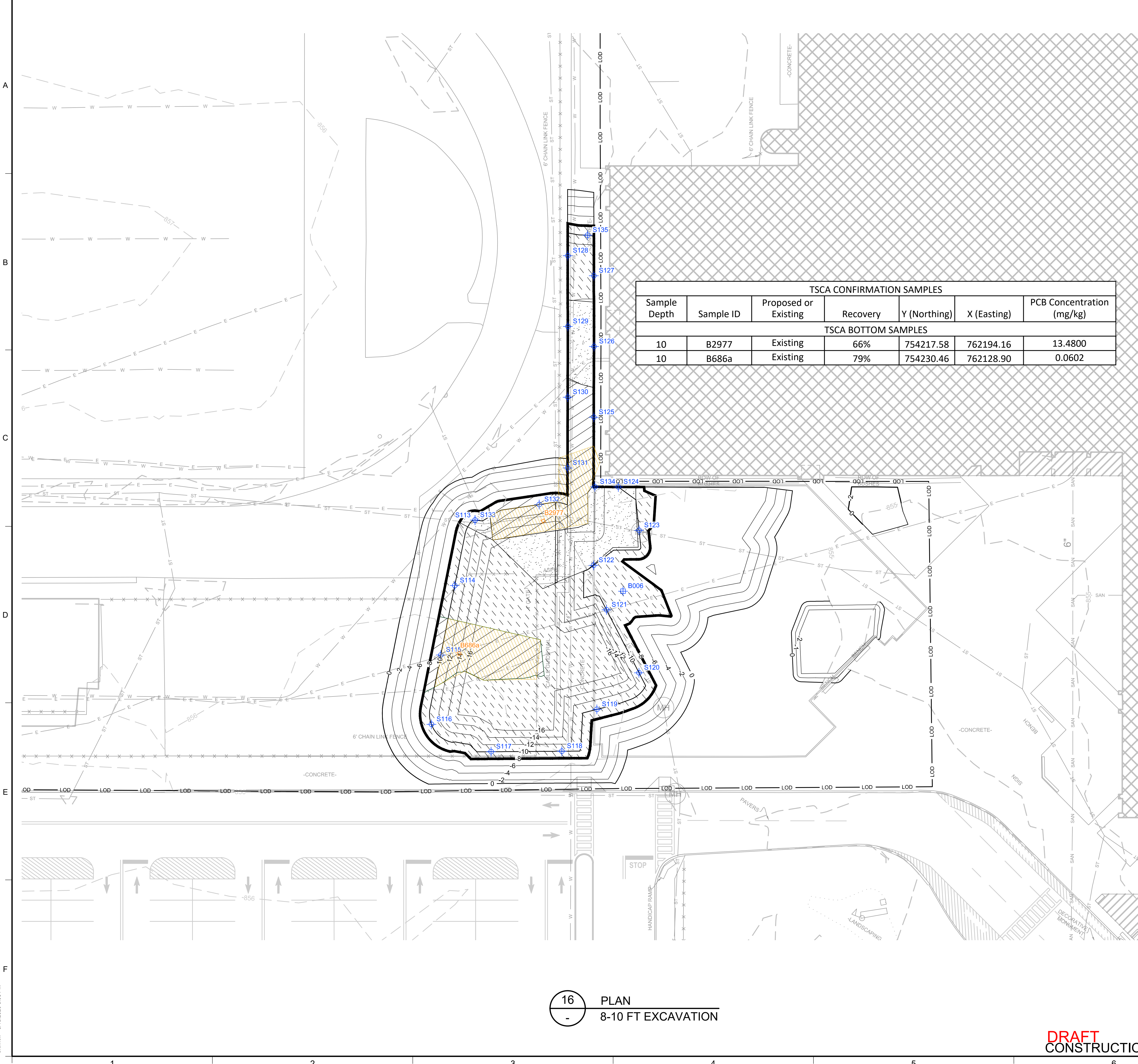


15 PLAN  
6-8 FT EXCAVATION

**DRAFT**  
CONSTRUCTION DRAWING

1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK
REV	DATE	DESCRIPTION	DRN	APP
		 an affiliate of Geosyntec Consultants		
TITLE: 6-8 FT EXCAVATION				
PROJECT: INTERIM REMEDIATION MEASURE #4				
SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK				
DESIGN BY: AK		DATE: APRIL 2020		
DRAWN BY: AD		PROJECT NO.: MN0832I		
CHECKED BY: TBR		FILE: MN0832I-10-17		
REVIEWED BY: PLB		DRAWING NO.: 13 OF 25		
APPROVED BY: AK				
SIGNATURE  5/19/2020 DATE				

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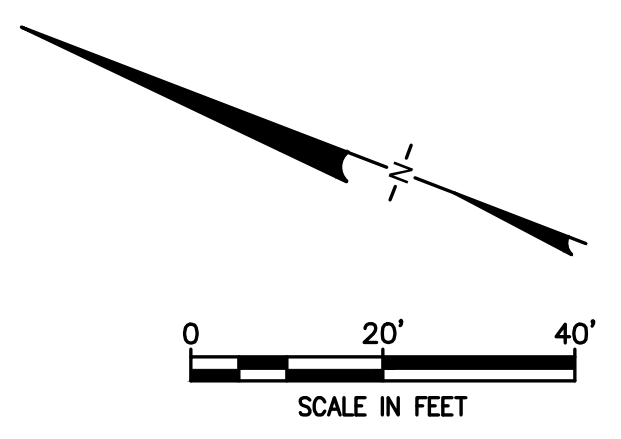


TSCA CONFIRMATION SAMPLES						
Sample Depth	Sample ID	Proposed or Existing	Recovery	Y (Northing)	X (Easting)	PCB Concentration (mg/kg)
10	B2977	Existing	66%	754217.58	762194.16	13.4800
10	B686a	Existing	79%	754230.46	762128.90	0.0602

### LEGEND

	PRE-DELINEATION CONFIRMATION SAMPLE		NON RCRA/TSCA FOR OFF-SITE DISPOSAL (PCBS >=10 AND < 50 MG/KG)
	MANHOLE		TSCA SOILS FOR OFF-SITE DISPOSAL (PCBS >= 50 MG/KG)
	CATCH BASIN		LAYBACK SOIL TO BE REUSED AS BACKFILL PENDING TESTING
	CULVERT PIPE		TSCA BOTTOMS
	CHAIN LINK FENCE		EXISTING TSCA BOTTOM SAMPLE
	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		
	TSCA OVERLAY AREA		
	BOTTOM AREA		
	SIDEWALL SAMPLE		
	BOTTOM SAMPLE		

- NOTES:
- SEE SHEET 3 FOR GENERAL NOTES.
  - SEE SHEET 6 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. SEE SECTION 2.4 OF IRM #4 WORK PLAN FOR SAMPLING REQUIREMENTS PRIOR TO STOCKPILING.
  - SOILS WITH PCBs > 50 Mg/Kg 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.
  - 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.
  - LAYBACK SOILS SHOWN ON SHEETS 10 TO 17 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).
  - SIDEWALL AND BOTTOM SAMPLE LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BASED ON FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
  - APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.



1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	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: FORMER SPERRY-REMINGTON SITE - NORTH PORTION  
ELMIRA, NEW YORK

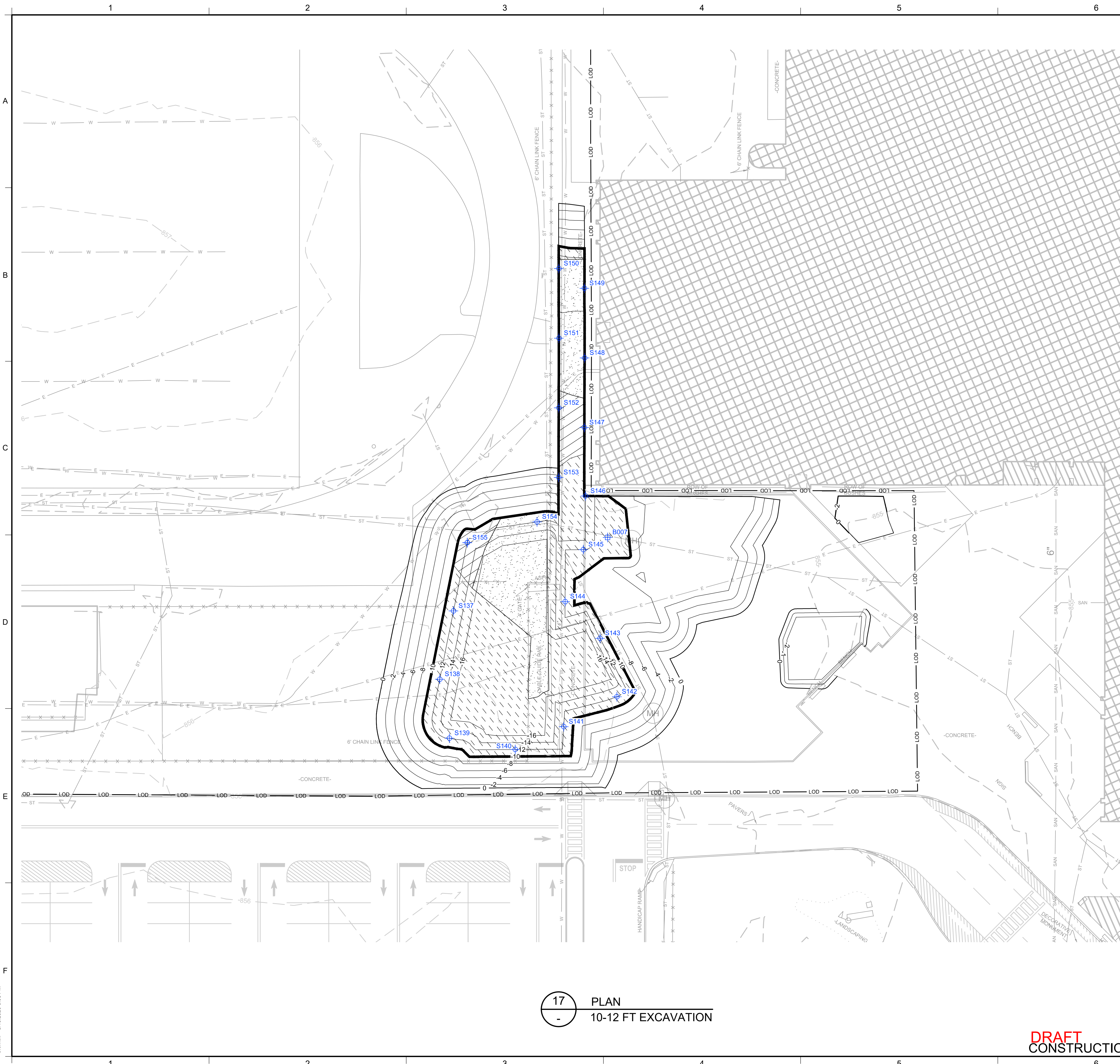
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DRAWN BY: AD	PROJECT NO.: MN0832I
CHECKED BY: TBR	FILE: MN0832I-10-17
REVIEWED BY: PLB	DRAWING NO.: 14 OF 25
APPROVED BY: AK	

5/19/2020 DATE

16 PLAN  
8-10 FT EXCAVATION

**DRAFT**  
CONSTRUCTION DRAWING

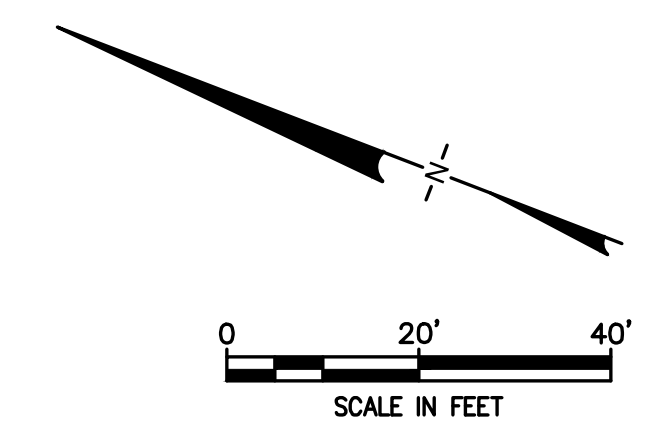
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**LEGEND**

	PRE-DELINEATION CONFIRMATION SAMPLE		NON RCRA/TSCA FOR OFF-SITE DISPOSAL (PCBS >=10 AND < 50 MG/KG)
	MANHOLE		TSCA SOILS FOR OFF-SITE DISPOSAL (PCBS >= 50 MG/KG)
	CATCH BASIN		LAYBACK SOIL TO BE REUSED AS BACKFILL PENDING TESTING
	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		
	TSCA OVERLAY AREA		
	BOTTOM AREA		
	SIDEWALL SAMPLE		
	BOTTOM SAMPLE		

- NOTES:**
- SEE SHEET 3 FOR GENERAL NOTES.
  - SEE SHEET 6 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. SEE SECTION 2.4 OF IRM #4 WORK PLAN FOR SAMPLING REQUIREMENTS PRIOR TO STOCKPILING.
  - SOILS WITH PCBs > 50 Mg/Kg 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 FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
  - APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

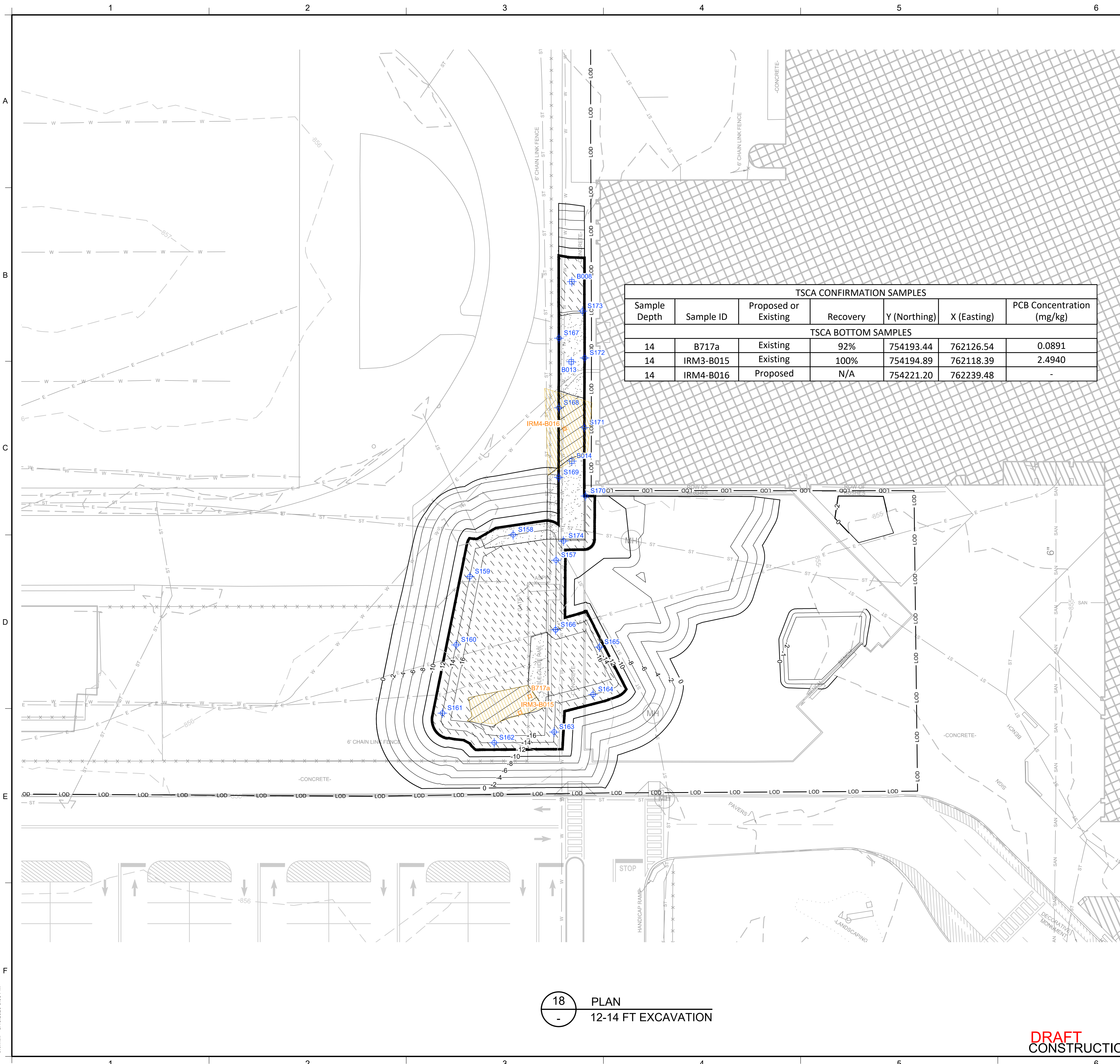


1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK
REV	DATE	DESCRIPTION	DRN	APP
		 an affiliate of Geosyntec Consultants		
TITLE: 10-12 FT EXCAVATION				
PROJECT: INTERIM REMEDIATION MEASURE #4				
SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK				
DESIGN BY: AK		DATE: APRIL 2020		
DRAWN BY: AD		PROJECT NO.: MN0832I		
CHECKED BY: TBR		FILE: MN0832I-10-17		
REVIEWED BY: PLB		DRAWING NO.: 15 OF 25		
APPROVED BY: AK				
 SIGNATURE 5/19/2020 DATE				

17 PLAN  
10-12 FT EXCAVATION

**DRAFT**  
CONSTRUCTION DRAWING

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TSCA CONFIRMATION SAMPLES						
Sample Depth	Sample ID	Proposed or Existing	Recovery	Y (Northing)	X (Easting)	PCB Concentration (mg/kg)
14	B717a	Existing	92%	754193.44	762126.54	0.0891
14	IRM3-B015	Existing	100%	754194.89	762118.39	2.4940
14	IRM4-B016	Proposed	N/A	754221.20	762239.48	-

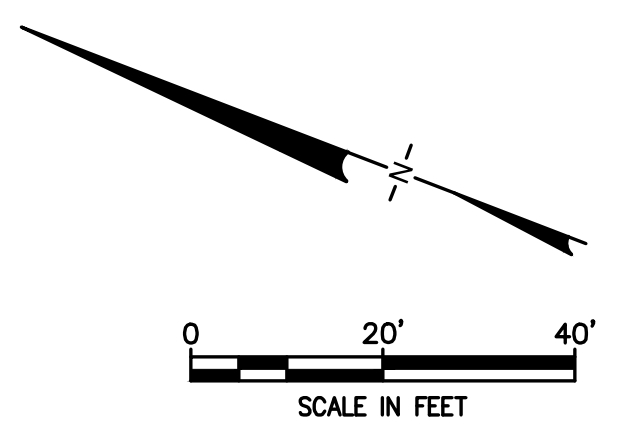
  

TSCA BOTTOM SAMPLES						
14	B717a	Existing	92%	754193.44	762126.54	0.0891
14	IRM3-B015	Existing	100%	754194.89	762118.39	2.4940
14	IRM4-B016	Proposed	N/A	754221.20	762239.48	-

**LEGEND**

- PRE-DELINEATION CONFIRMATION SAMPLE
- 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
- TSCA OVERLAY AREA
- BOTTOM AREA
- SIDEWALL 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
- TSCA BOTTOMS
- PROPOSED TSCA SIDEWALL OR BOTTOM SAMPLE
- EXISTING TSCA BOTTOM SAMPLE

- NOTES:**
- SEE SHEET 3 FOR GENERAL NOTES.
  - SEE SHEET 6 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. SEE SECTION 2.4 OF IRM #4 WORK PLAN FOR SAMPLING REQUIREMENTS PRIOR TO STOCKPILING.
  - SOILS WITH PCBs > 50 Mg/Kg 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.
  - 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 FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
  - APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.



1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK
REV	DATE	DESCRIPTION	DRN	APP

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

**UNISYS**

TITLE: 12-14 FT EXCAVATION

PROJECT: INTERIM REMEDIATION MEASURE #4

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

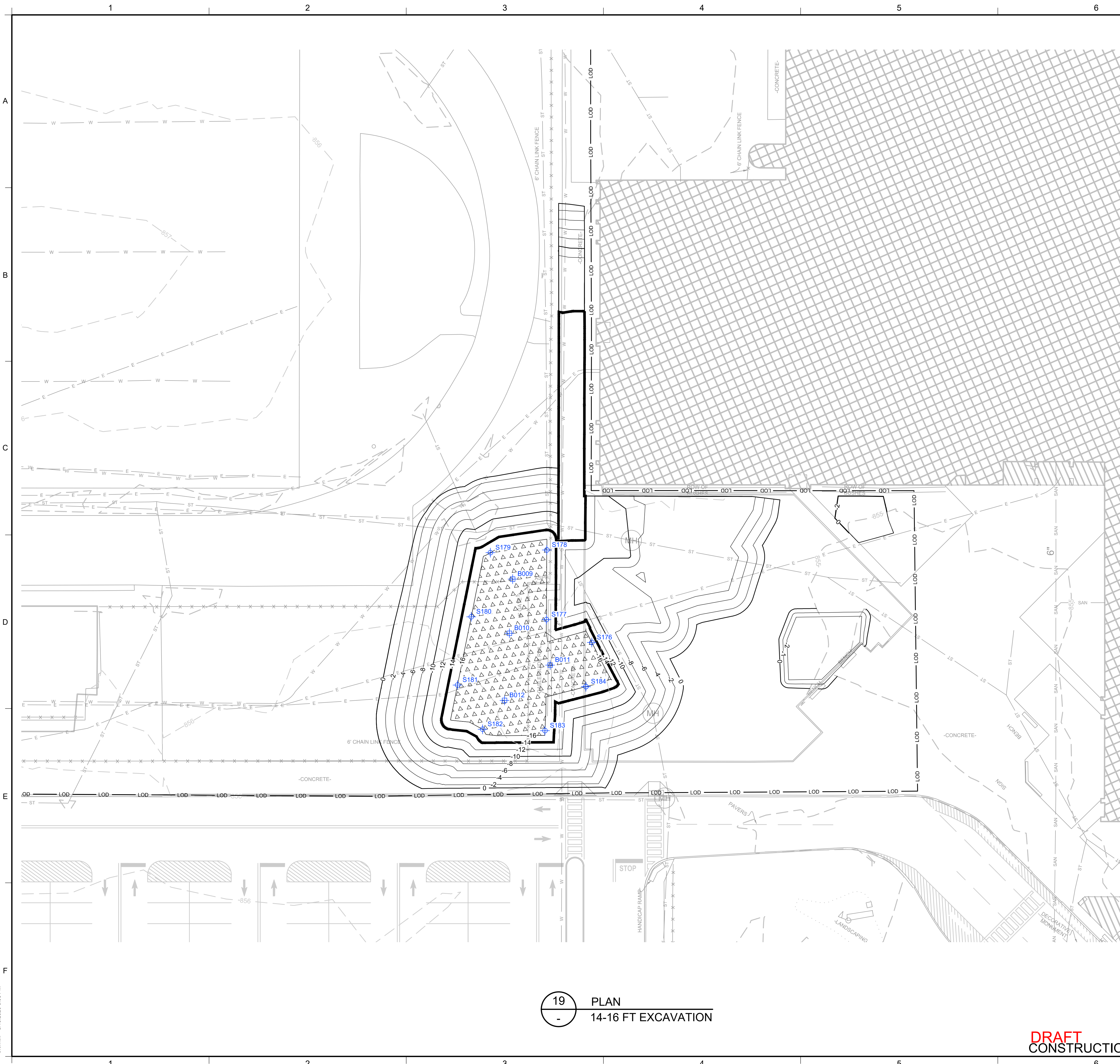
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DRAWN BY:	AD	PROJECT NO.:	MN0832I
CHECKED BY:	TBR	FILE:	MN0832I-10-17
REVIEWED BY:	PLB	DRAWING NO.:	16 OF 25
APPROVED BY:	AK		

5/19/2020  
DATE

18 PLAN  
12-14 FT EXCAVATION

**DRAFT**  
CONSTRUCTION DRAWING

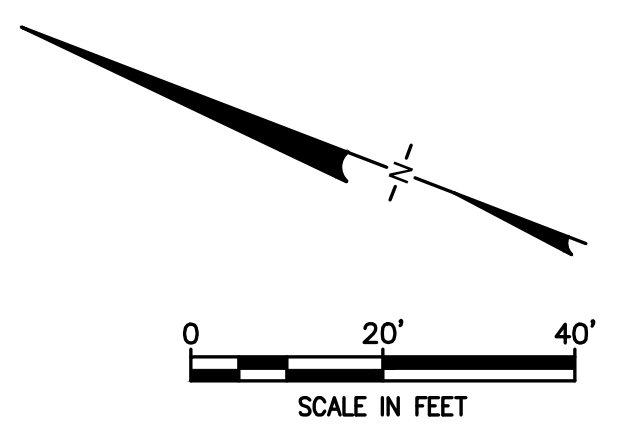
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**LEGEND**

	PRE-DELINEATION CONFIRMATION SAMPLE		TSCA SOILS FOR OFF-SITE DISPOSAL (PCBS NEAR WATER TABLE)
	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		
	TSCA OVERLAY AREA		
	BOTTOM AREA		
	SIDEWALL SAMPLE		
	BOTTOM SAMPLE		

- NOTES:**
- SEE SHEET 3 FOR GENERAL NOTES.
  - SEE SHEET 6 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. SEE SECTION 2.4 OF IRM #4 WORK PLAN FOR SAMPLING REQUIREMENTS PRIOR TO STOCKPILING.
  - SOILS WITH PCBS  $\geq$  50 MG/KG 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.
  - SOILS WITH PCBS  $\geq$  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.
  - LAYBACK SOILS SHOWN ON SHEETS 10 TO 17 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).
  - SIDEWALL AND BOTTOM SAMPLE LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BASED ON FIELD OBSERVATIONS AND CHANGES TO THE EXCAVATION PLAN.
  - APPROVAL OF ENGINEER AND NYSDEC REQUIRED BEFORE BACKFILLING AREAS WHERE CONFIRMATION SIDEWALL AND BOTTOM SAMPLES ARE COLLECTED.

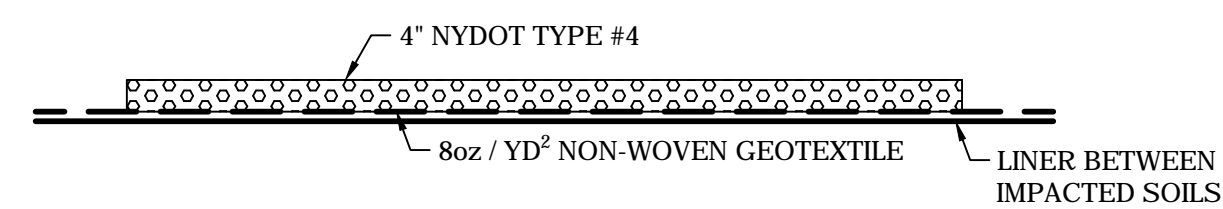


1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK
REV	DATE	DESCRIPTION	DRN	APP
		 <i>an affiliate of Geosyntec Consultants</i>		
<b>TITLE:</b> 14-16 FT EXCAVATION				
<b>PROJECT:</b> INTERIM REMEDIATION MEASURE #4				
<b>SITE:</b> FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK				
 SIGNATURE 5/19/2020 DATE		 DESIGN BY: AK DRAWN BY: AD CHECKED BY: TBR REVIEWED BY: PLB APPROVED BY: AK		
		DATE: APRIL 2020		
		PROJECT NO.: MN0832I		
		FILE: MN0832I-10-17		
		DRAWING NO.: 17 OF 25		

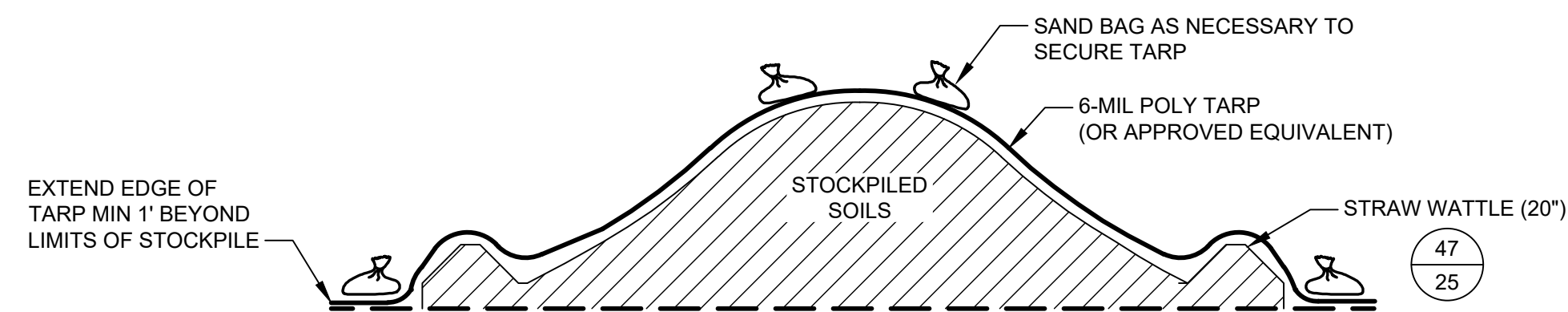
19 PLAN  
14-16 FT EXCAVATION

**DRAFT**  
CONSTRUCTION DRAWING

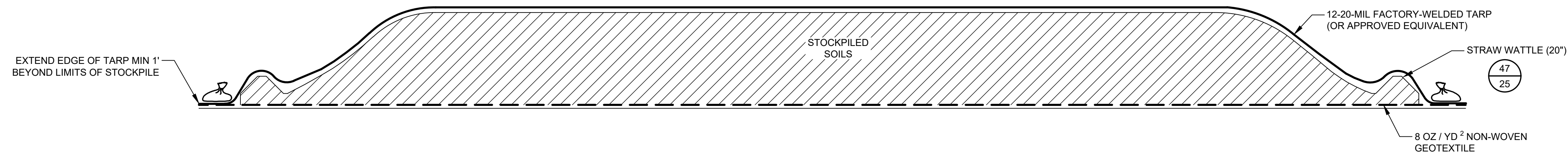
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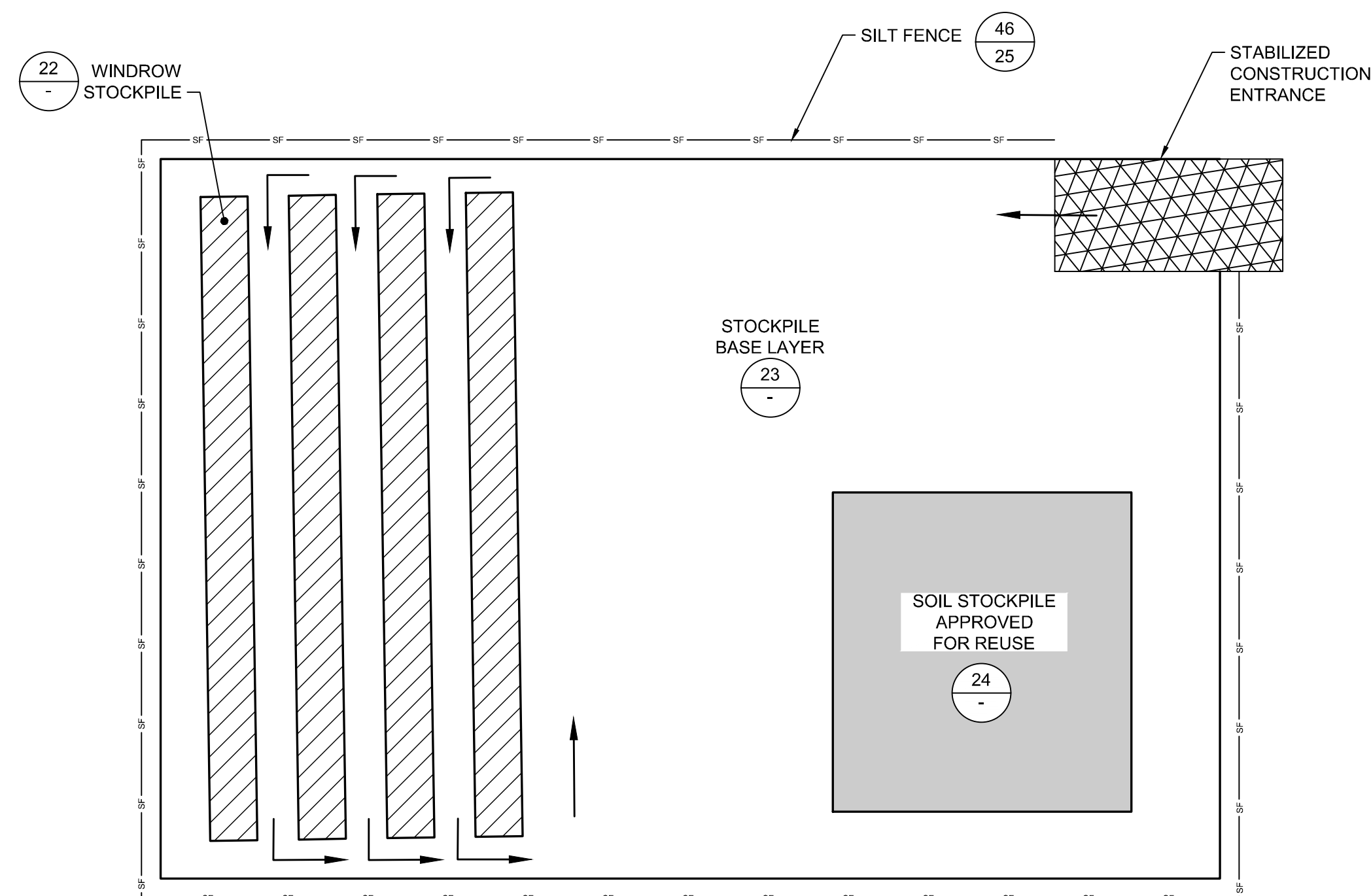
23  
-  
DETAIL  
STOCKPILE AREA BASE LAYER  
SCALE: NOT TO SCALE



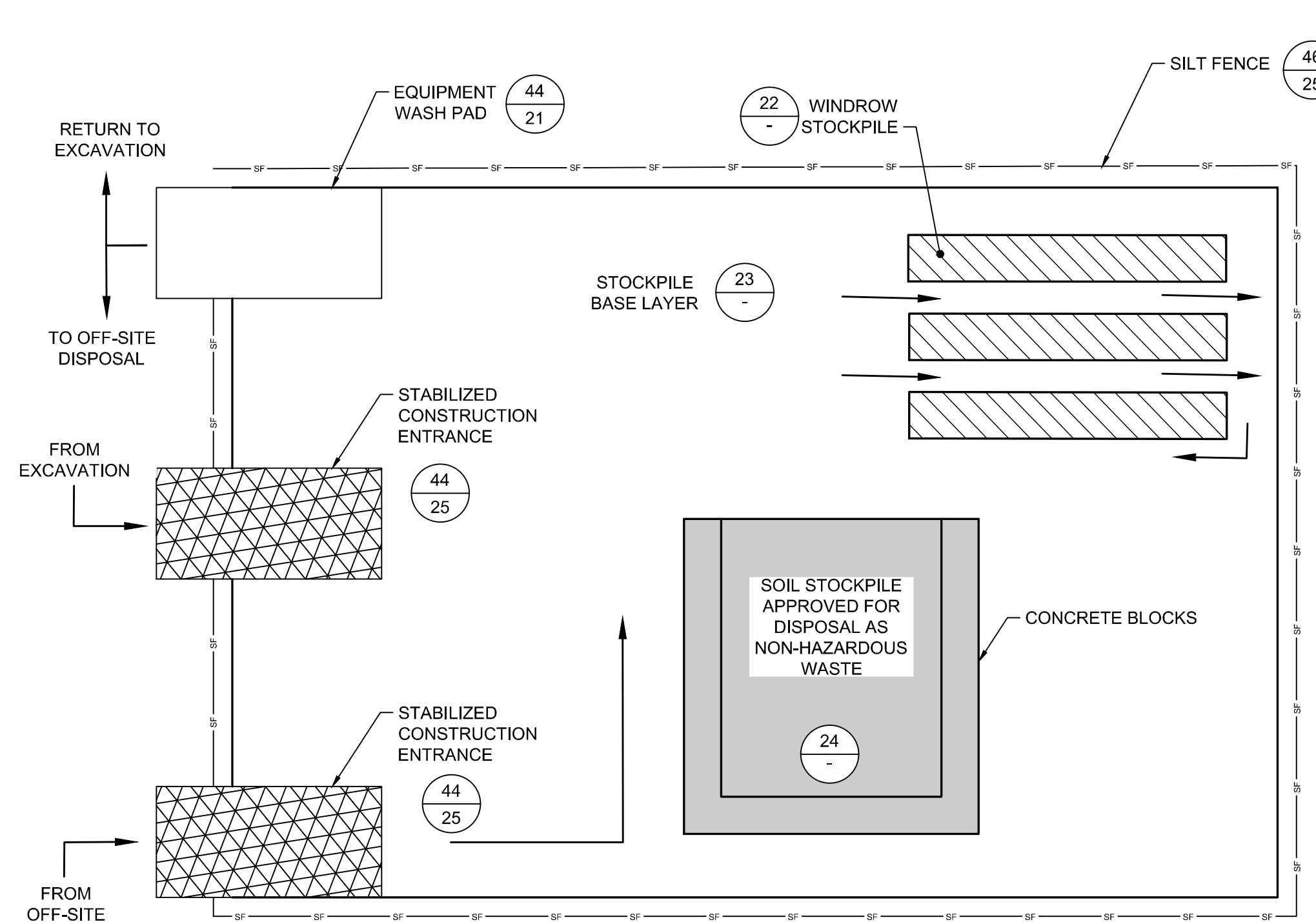
24  
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DETAIL  
SOIL STOCKPILE  
SCALE: NOT TO SCALE



22  
-  
DETAIL  
WINDROW STOCKPILE  
SCALE: NOT TO SCALE



20  
3  
DETAIL  
RE-USE STOCKPILE AREA  
SCALE: NOT TO SCALE



21  
3  
DETAIL  
NON-HAZARDOUS SOIL STOCKPILE AREA  
SCALE: NOT TO SCALE

NOTES

- NON-HAZARDOUS SOILS NOT APPROVED FOR OFF-SITE DISPOSAL SHALL BE STAGED IN WINDROW STOCKPILES FOR WASTE CHARACTERIZATION.
- 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<sup>2</sup> TO DOCUMENT SOIL QUALITY.

REV	DATE	DESCRIPTION	DRN	APP
1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK

*an affiliate of Geosyntec Consultants*

TITLE: MATERIAL STAGING AREA PLAN (MSA) PLAN

PROJECT: INTERIM REMEDIATION MEASURE #4

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

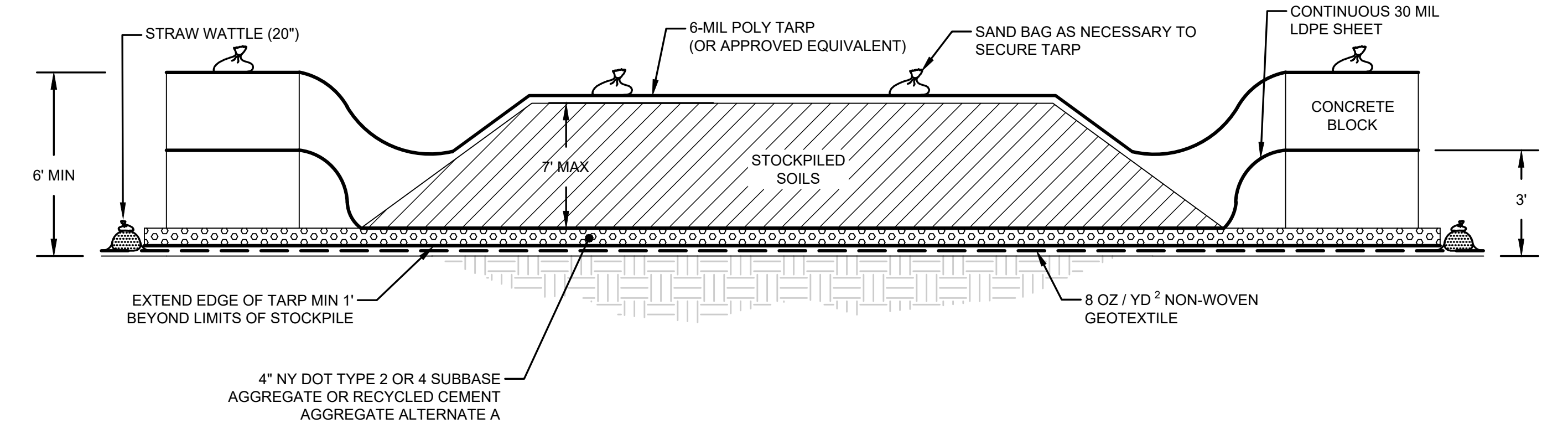
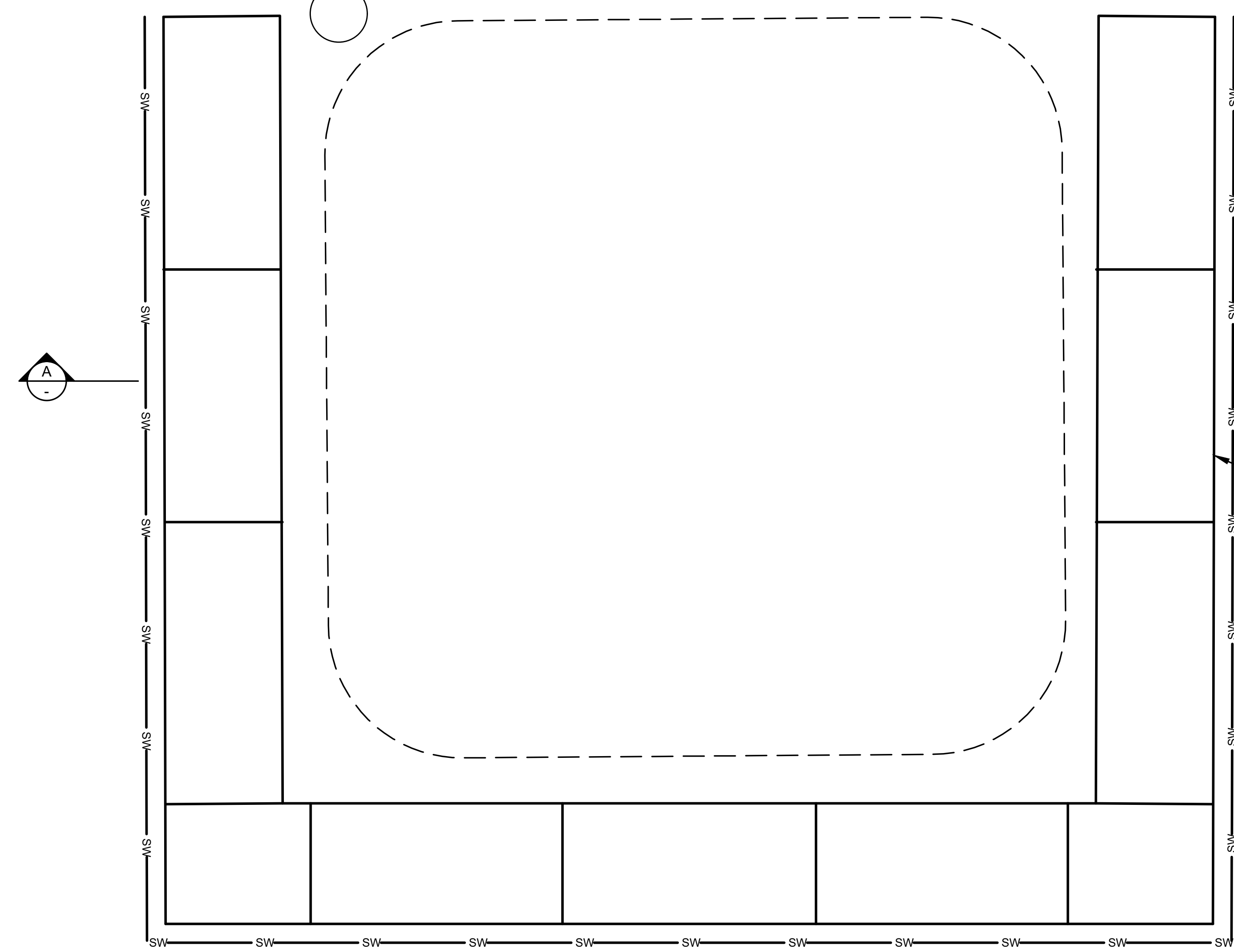
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DRAWN BY: JWO	PROJECT NO.: MN0832I
CHECKED BY: TBR	FILE: MN0832I-18
REVIEWED BY: PLB	DRAWING NO.:
APPROVED BY: AK	18 OF 25

SIGNATURE  
5/19/2020  
DATE

**DRAFT**  
CONSTRUCTION DRAWING

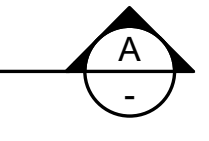
28  
20 SUMP PIT (NOTE 3)

TRANSPORT OF TSCA SOIL TO  
TSCA ACCUMULATION AREA



**A**  
SECTION  
TSCA ACCUMULATION AREA  
SCALE: NOT TO SCALE

STRAW WATTLE 47  
25



CONCRETE BLOCK

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<sup>2</sup> TO DOCUMENT SOIL QUALITY.

25  
3 DETAIL  
TSCA ACCUMULATION AREA  
SCALE: NOT TO SCALE

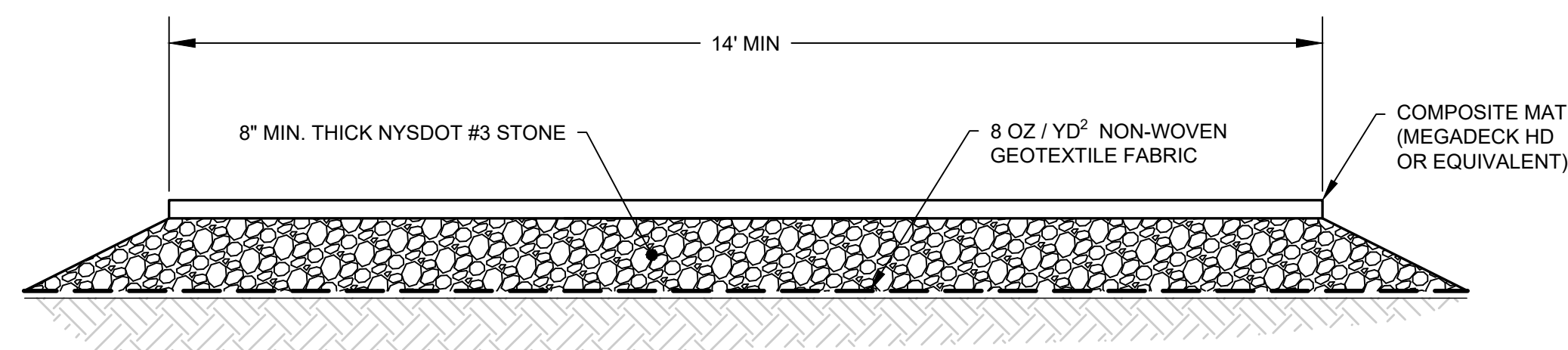
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1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK

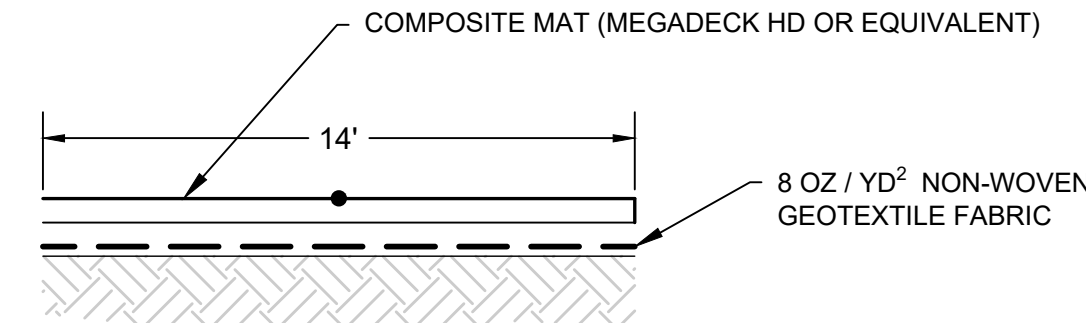
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<p>PROJECT: INTERIM REMEDIATION MEASURE #4</p>			
<p>SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK</p>			
		DESIGN BY: AK	DATE: APRIL 2020
<p>5/19/2020</p>		DRAWN BY: AD	PROJECT NO.: MN0832I
<p>DATE</p>		CHECKED BY: TBR	FILE: MN0832I-19
		REVIEWED BY: PLB	DRAWING NO.: 19 OF 25
		APPROVED BY: AK	

**DRAFT**  
CONSTRUCTION DRAWING

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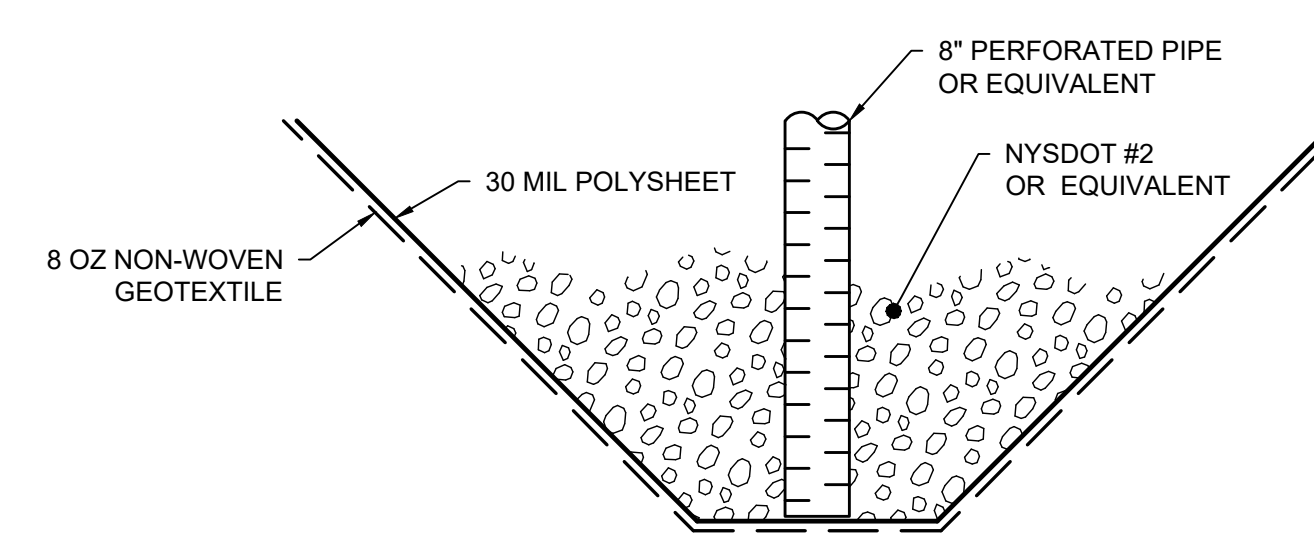


**26A**  
3  
DETAIL  
TEMPORARY HAUL ROAD  
SCALE: NOT TO SCALE

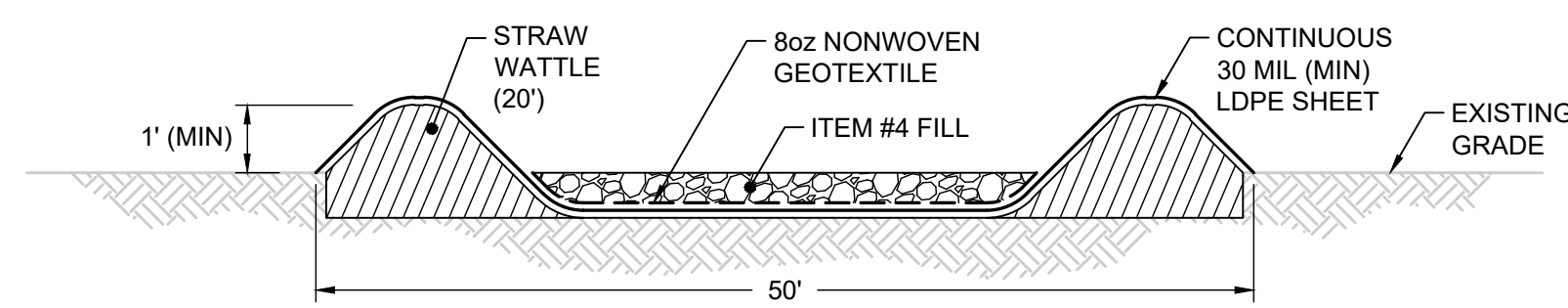


NOTE:  
1. COMPOSITE MATS SHALL BE USED AS NECESSARY WITHIN THE EXCAVATION BASED ON FIELD CONDITIONS.  
2. COMPOSITE MATS ARE REQUIRED FOR HAUL ROADS AND TSCA TRUCK LOOP.

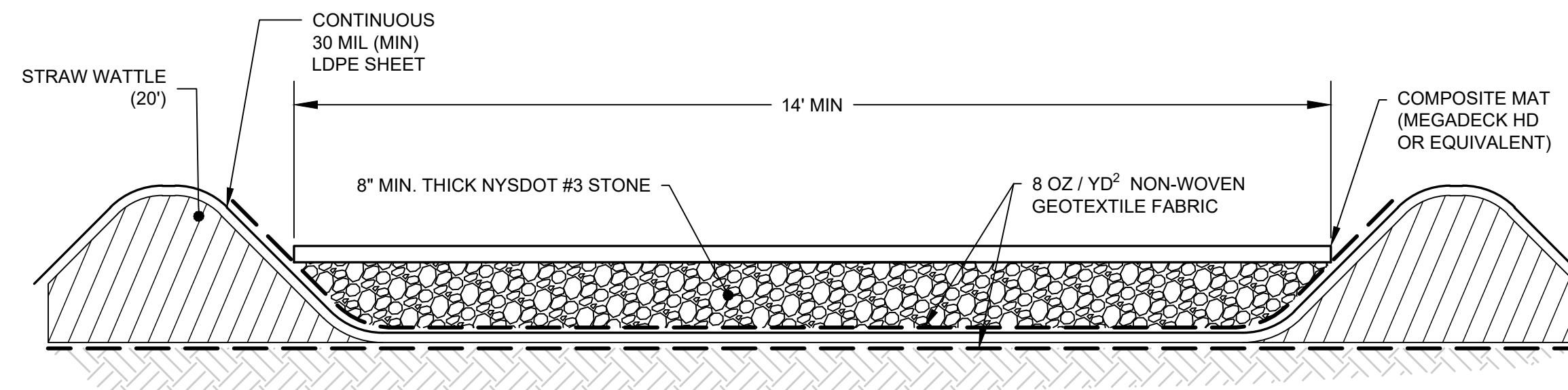
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3  
DETAIL  
TEMPORARY TSCA TRANSIT ROAD  
SCALE: NOT TO SCALE



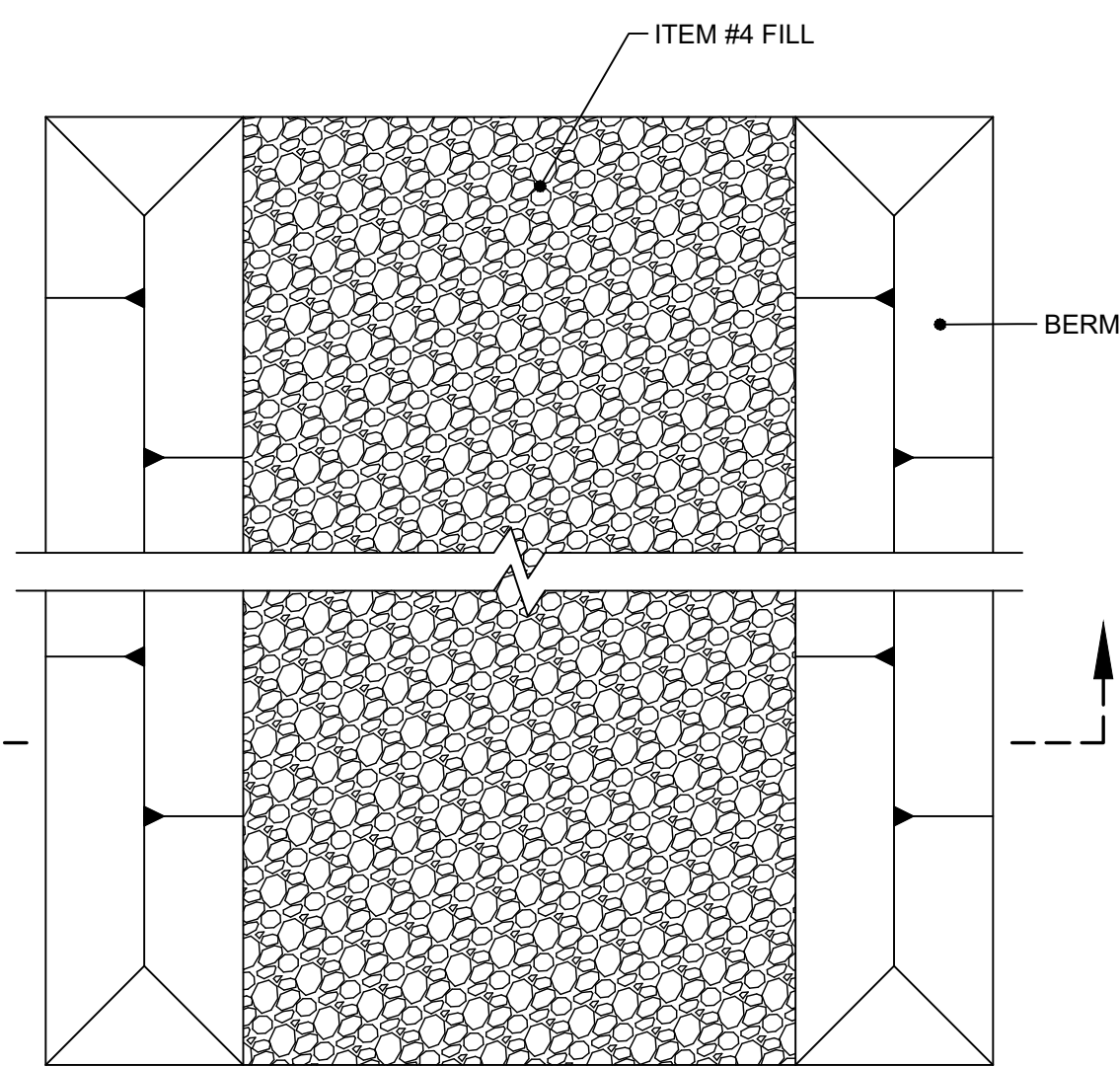
**28**  
19  
DETAIL  
SUMP  
SCALE: NOT TO SCALE



SECTION



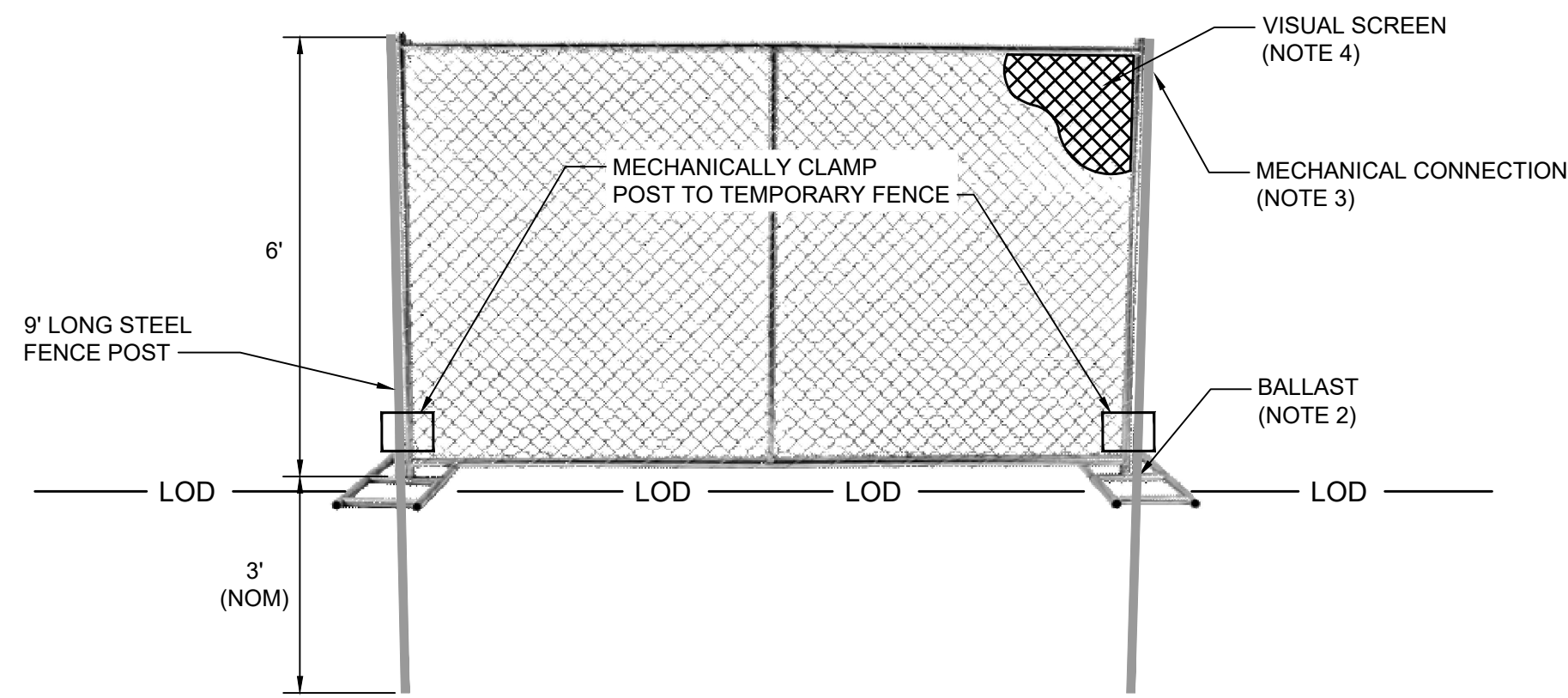
**26B**  
3  
DETAIL  
TEMPORARY TSCA HAUL ROAD  
SCALE: NOT TO SCALE  
XREF: MN08321-X064



PLAN

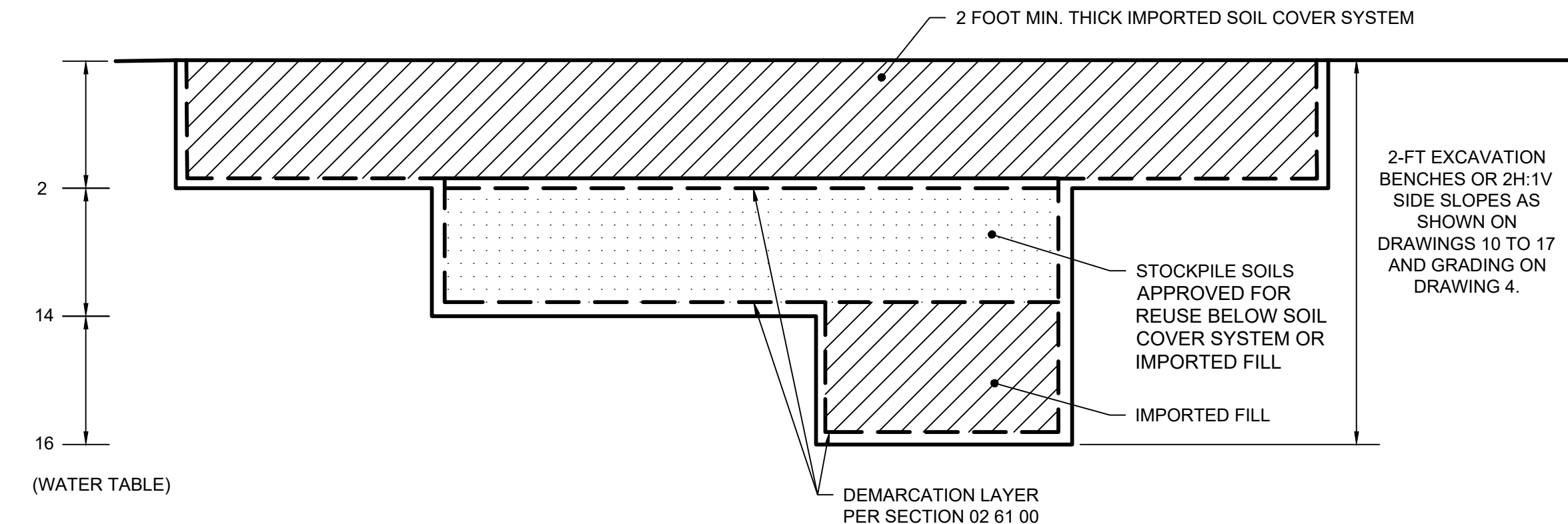
- TSCA LOADING AREA NOTES:
- SEE DRAWING 3 FOR GENERAL NOTES.
  - CONTRACTOR SHALL PLACE SUMP (SEE DETAIL 25) AT LOWEST POINT OF TSCA LOADING AREA. SUMP LOCATION SHALL BE APPROVED BY ENGINEER. SEE DETAIL 28 FOR SUMP CONSTRUCTION.
  - TSCA LOADING AREA SHALL BE COVERED USING CONTINUOUS 6-MIL POLY SHEETING AT THE END OF EACH DAY AND ON DAYS WHEN NOT IN USE.
  - 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.

**29**  
3  
DETAIL  
TSCA LOADING AREA  
SCALE: NOT TO SCALE



**30**  
3  
DETAIL  
TEMPORARY FENCE  
SCALE: NOT TO SCALE  
XREF: MN08321-X050 (TEMP FENCE)

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



**31**  
4  
DETAIL  
EXCAVATION BACKFILL  
SCALE: NOT TO SCALE

REV	DATE	DESCRIPTION	DRN	APP
1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK

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**UNISYS**

TITLE: DETAILS  
PROJECT: INTERIM REMEDIATION MEASURE #4  
SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION  
ELMIRA, NEW YORK

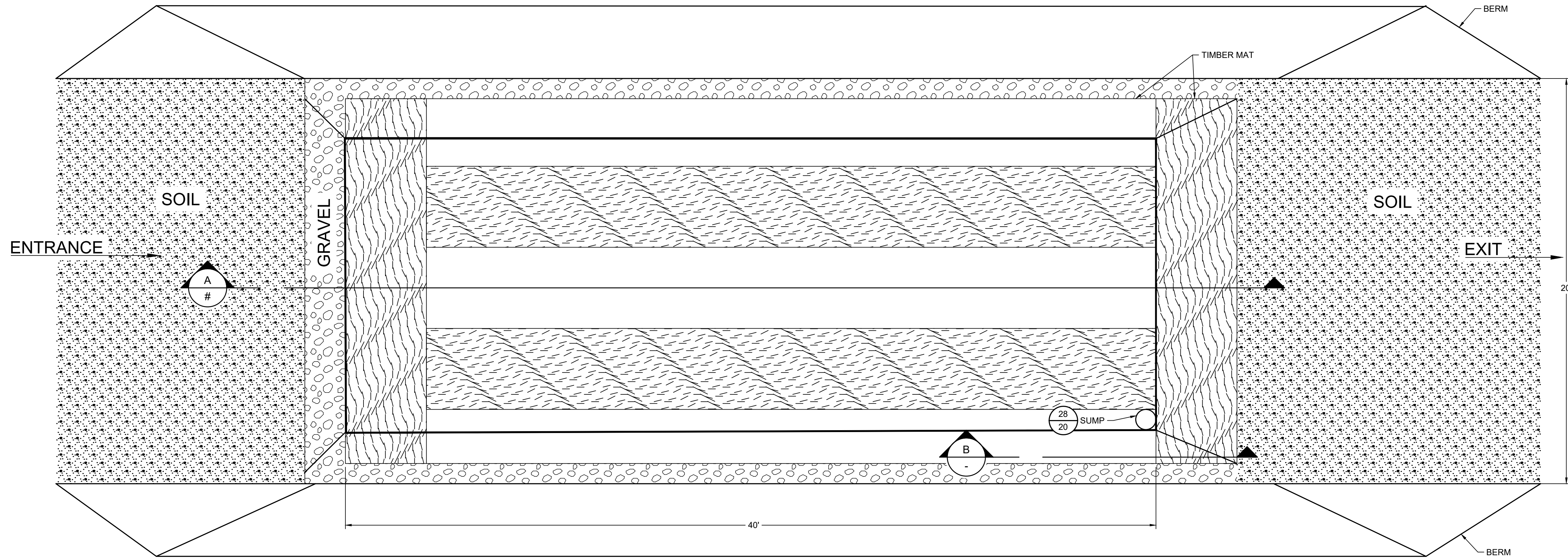
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DRAWN BY: JWO	PROJECT NO.: MN08321
CHECKED BY: TBR	FILE: MN08321-20
REVIEWED BY: PLB	DRAWING NO.: 20 OF 25
APPROVED BY: AK	

SIGNATURE: *Alex K...*  
DATE: 5/19/2020

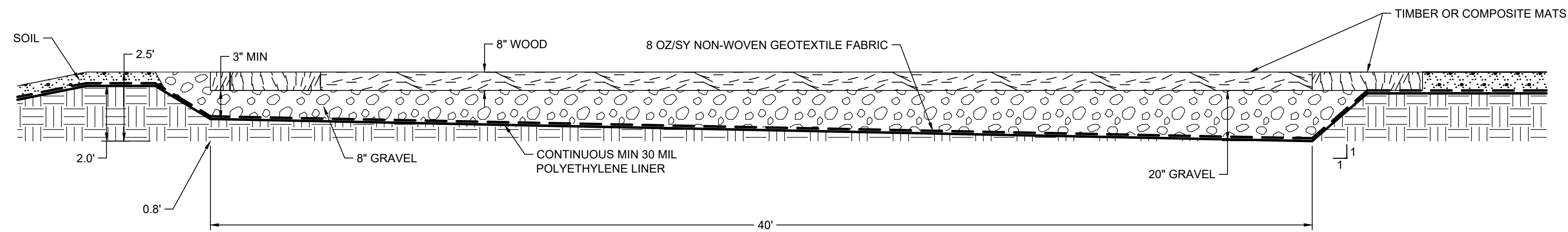
STATE OF NEW YORK  
EXERCISES JURISDICTION  
089954  
REGISTERED PROFESSIONAL ENGINEER

**DRAFT**  
CONSTRUCTION DRAWING

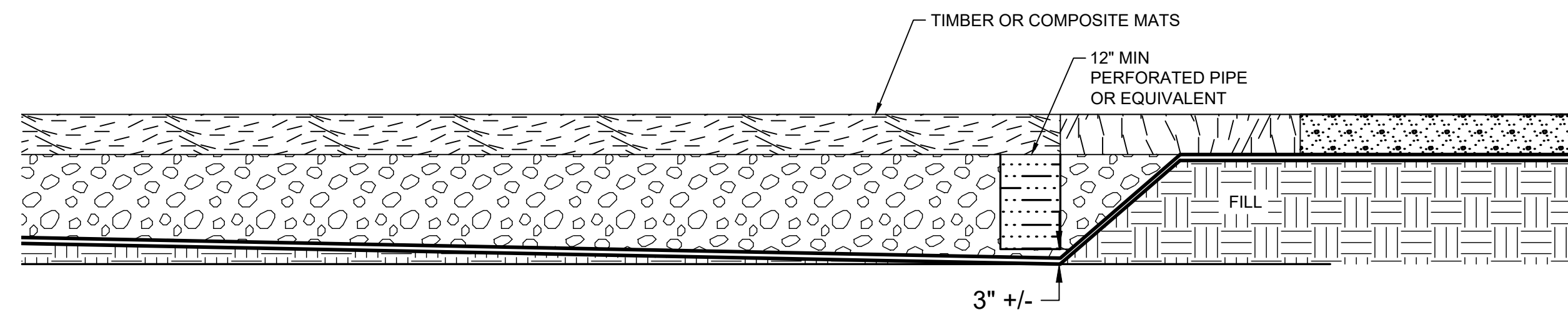




32 PLAN  
3 EQUIPMENT WASH PAD  
SCALE: NOT TO SCALE



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.

DRAFT  
CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK

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**UNISYS**

TITLE: EQUIPMENT WASH PAD

PROJECT: INTERIM REMEDIATION MEASURE #4

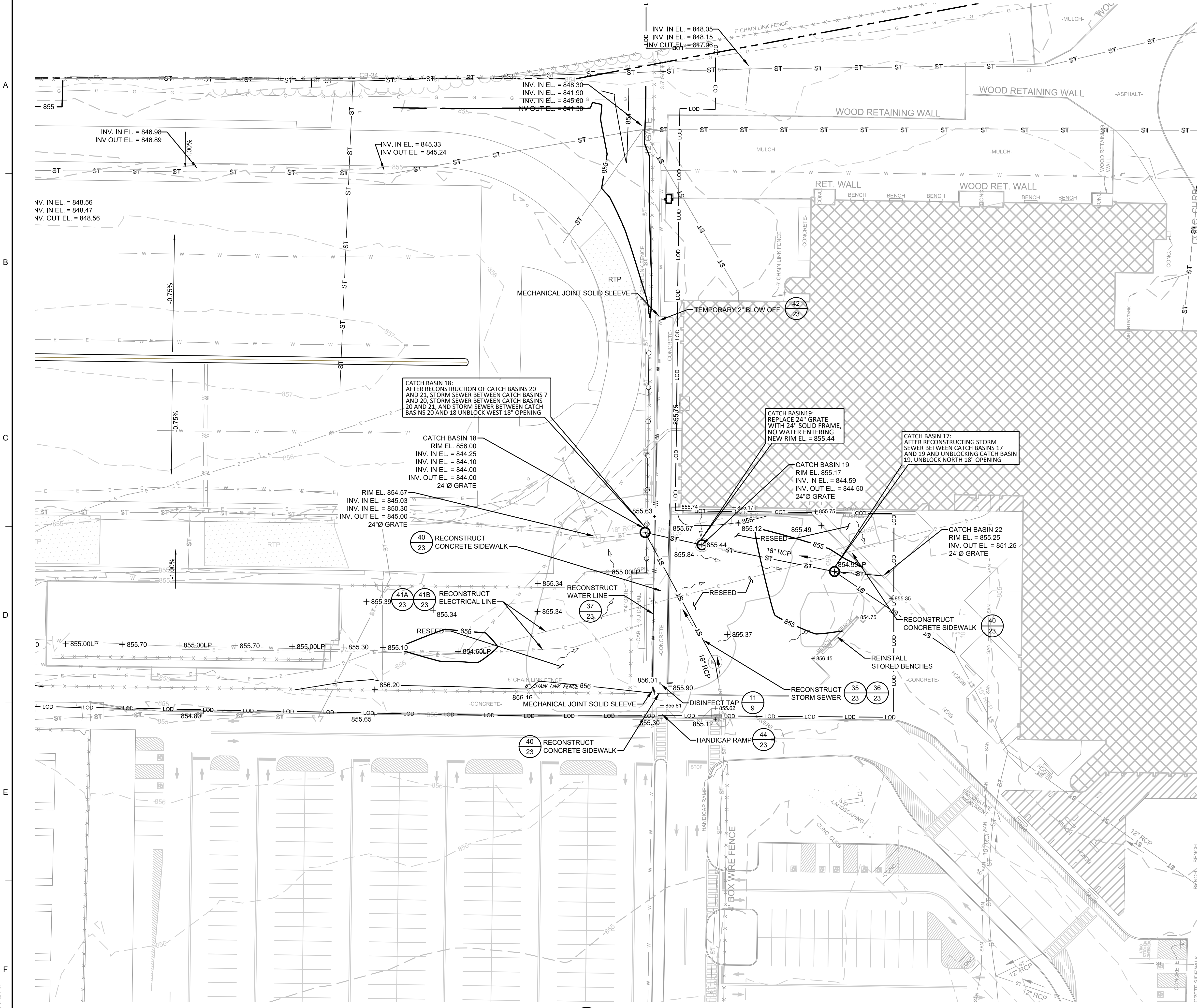
SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION  
ELMIRA, NEW YORK

DESIGN BY: AK	DATE: APRIL 2020
DRAWN BY: JWO	PROJECT NO.: MN0832I
CHECKED BY: TBR	FILE: MN0832I-21
REVIEWED BY: PLB	DRAWING NO.: 21 OF 25
APPROVED BY: AK	

*Amir Karam*

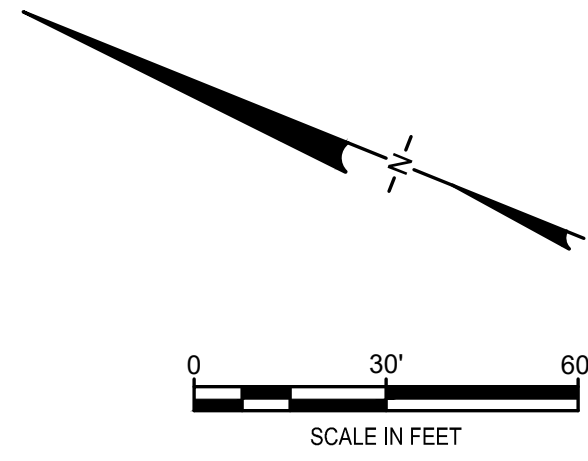
SIGNATURE

5/19/2020  
DATE



**LEGEND**

○	MANHOLE
CB	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



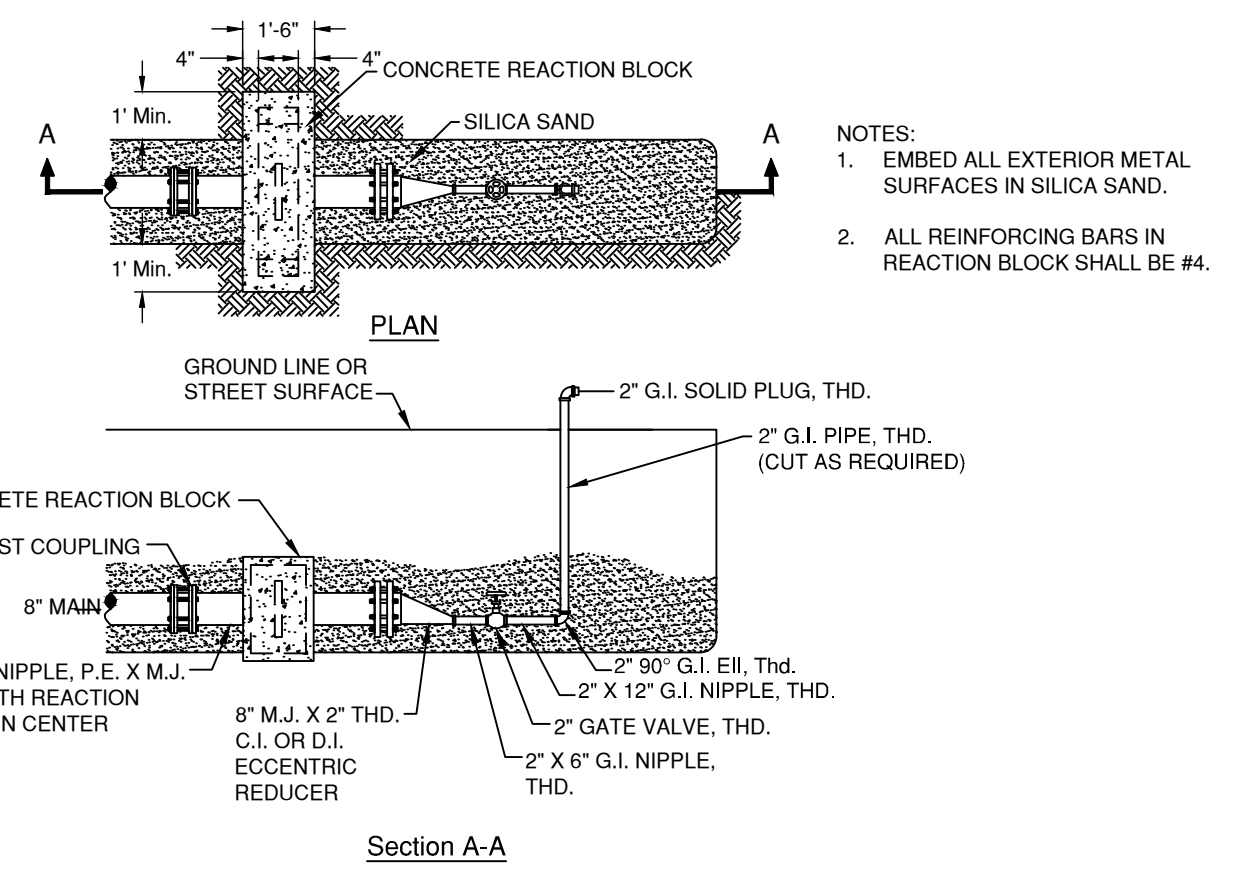
- NOTES:**
- SEE SHEET 3 FOR GENERAL NOTES
  - MANHOLE, CATCH BASIN, AND STORM DRAIN PIPE SIZES, MATERIALS, ELEVATIONS, AND INVERTS FROM DRAWING NUMBER L5.1 ENTITLED "SITE UTILITY PLAN - NORTH, HIGH SCHOOL 2017 ALTERATIONS PROJECT, ELMIRA CITY SCHOOL DISTRICT" AND DRAWING NUMBER L5.2 ENTITLED "SITE UTILITY 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 "SOUTHSIDE, SITE PLAN SOUTH MECHANICAL ELECTRICAL, AS-BUILT DWG", BY BOUILLE 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 INCLUDES, BUT IS NOT LIMITED TO, CONCRETE CURB AND SIDEWALK, HANDICAP RAMPS, ASPHALT PAVING, PAVING STRIPING, SIGNAGE, LANDSCAPED AREAS, LAWNS, TREES, FENCING, UNDERGROUND ELECTRICAL AND FIBER OPTIC LINES, WATER LINES, STORM SEWERS AND CATCH BASINS, AND ALL INCIDENTAL ITEMS NECESSARY FOR REPLACEMENT AND PROPER FUNCTION OF SAID INFRASTRUCTURE.
  - EXISTING CATCH BASINS WILL BE ADJUSTED TO MEET PROPOSED ELEVATIONS. PROPOSED ELEVATIONS SHALL GRADE TOWARDS INLETS.
  - 8-FOOT CHAINLINK FENCE SHALL BE RESTORED AS PART OF THIS RESTORATION PLAN

1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK
REV	DATE	DESCRIPTION	DRN	APP
<b>TITLE: PROPOSED RESTORATION PLAN</b>				
<b>PROJECT: INTERIM REMEDIATION MEASURE #4</b>				
<b>SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK</b>				
DESIGN BY:	JSW	DATE:	APRIL 2020	
DRAWN BY:	JSW	PROJECT NO.:	MN08321	
CHECKED BY:	AK	FILE:	MN08321-22-23	
REVIEWED BY:	CHP	DRAWING NO.:	22 OF 25	
APPROVED BY:	AK			

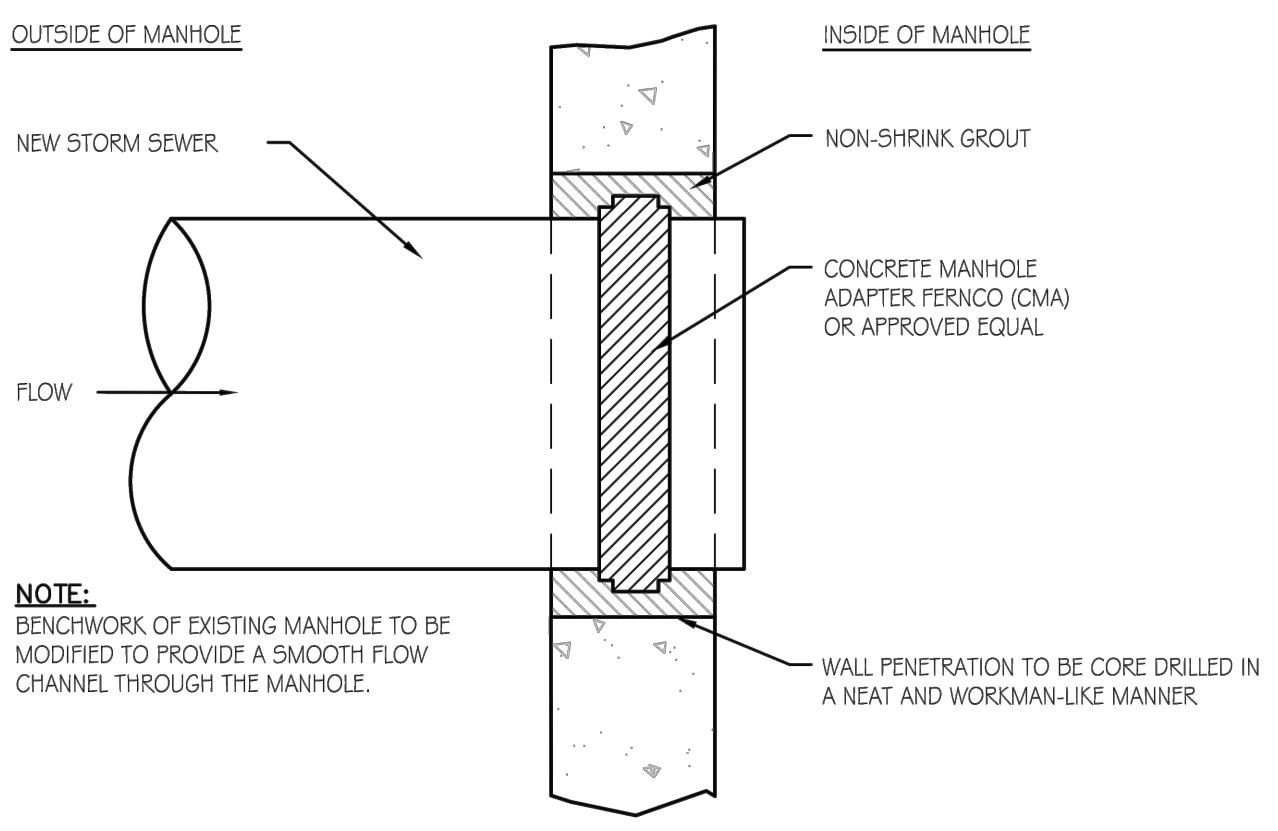
33 PLAN SITE RESTORATION

**DRAFT CONSTRUCTION DRAWING**

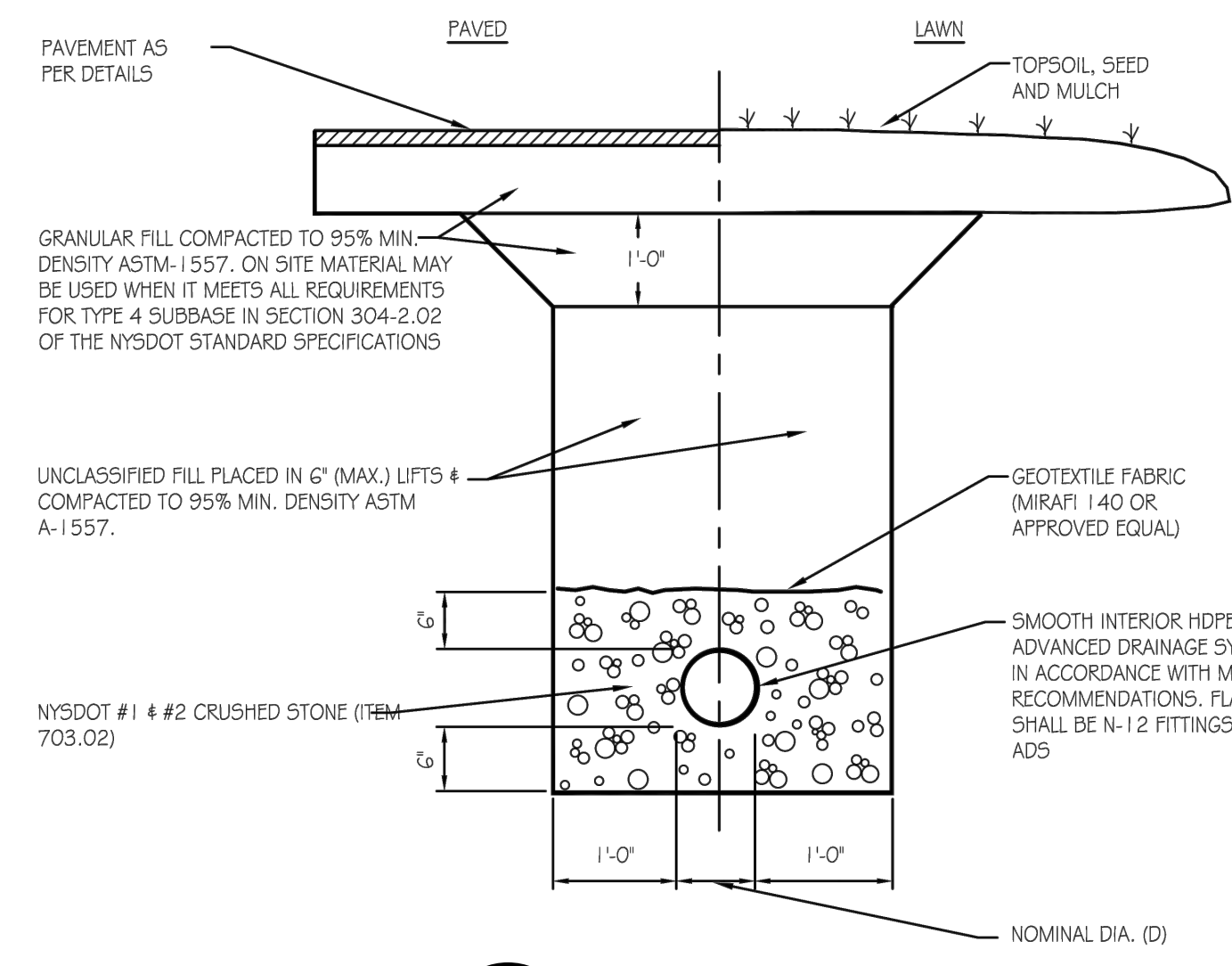
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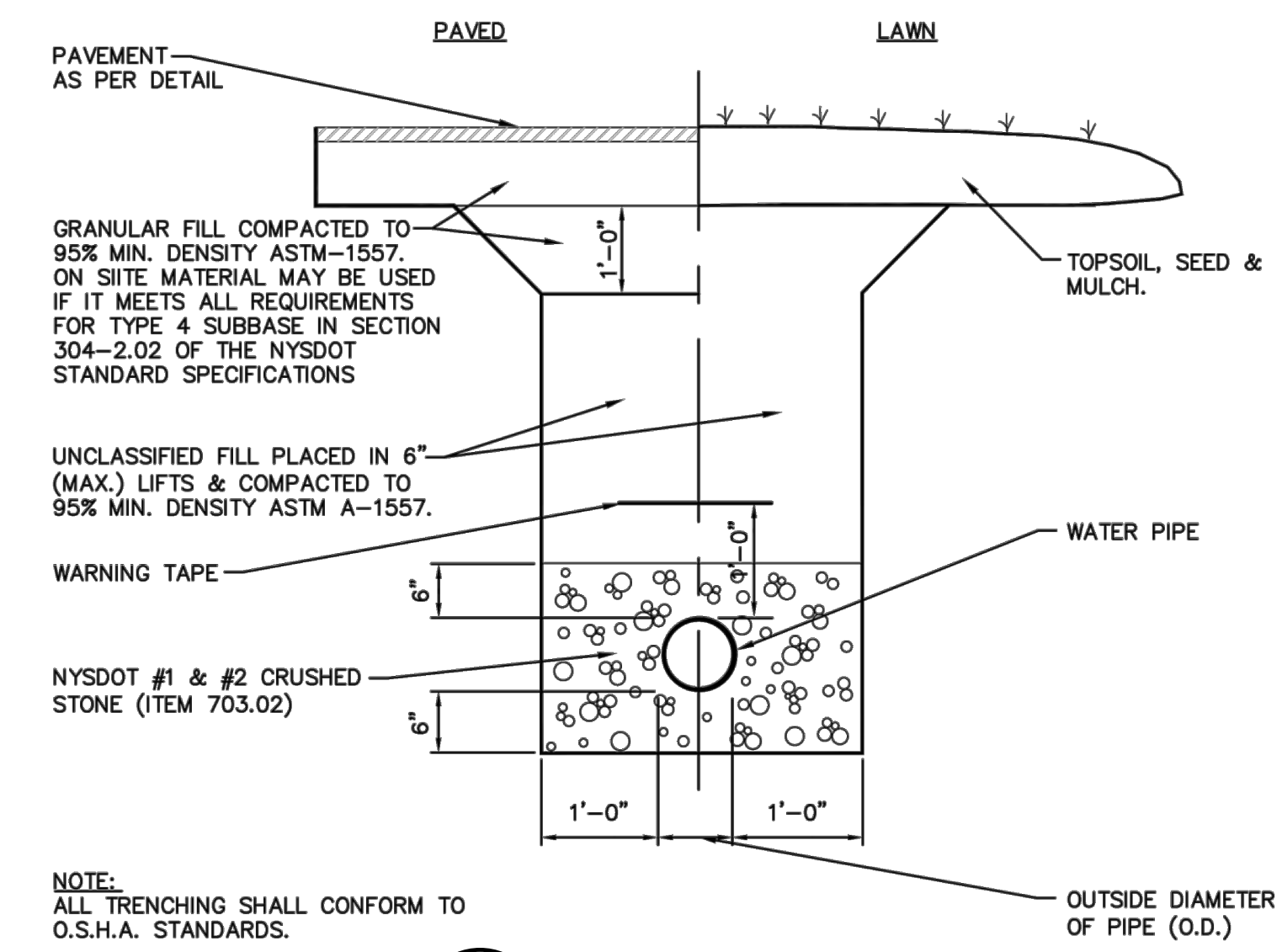
**34**  
**22** DETAIL  
TEMORARY BLOW OFF CONNECTION  
SCALE: NOT TO SCALE



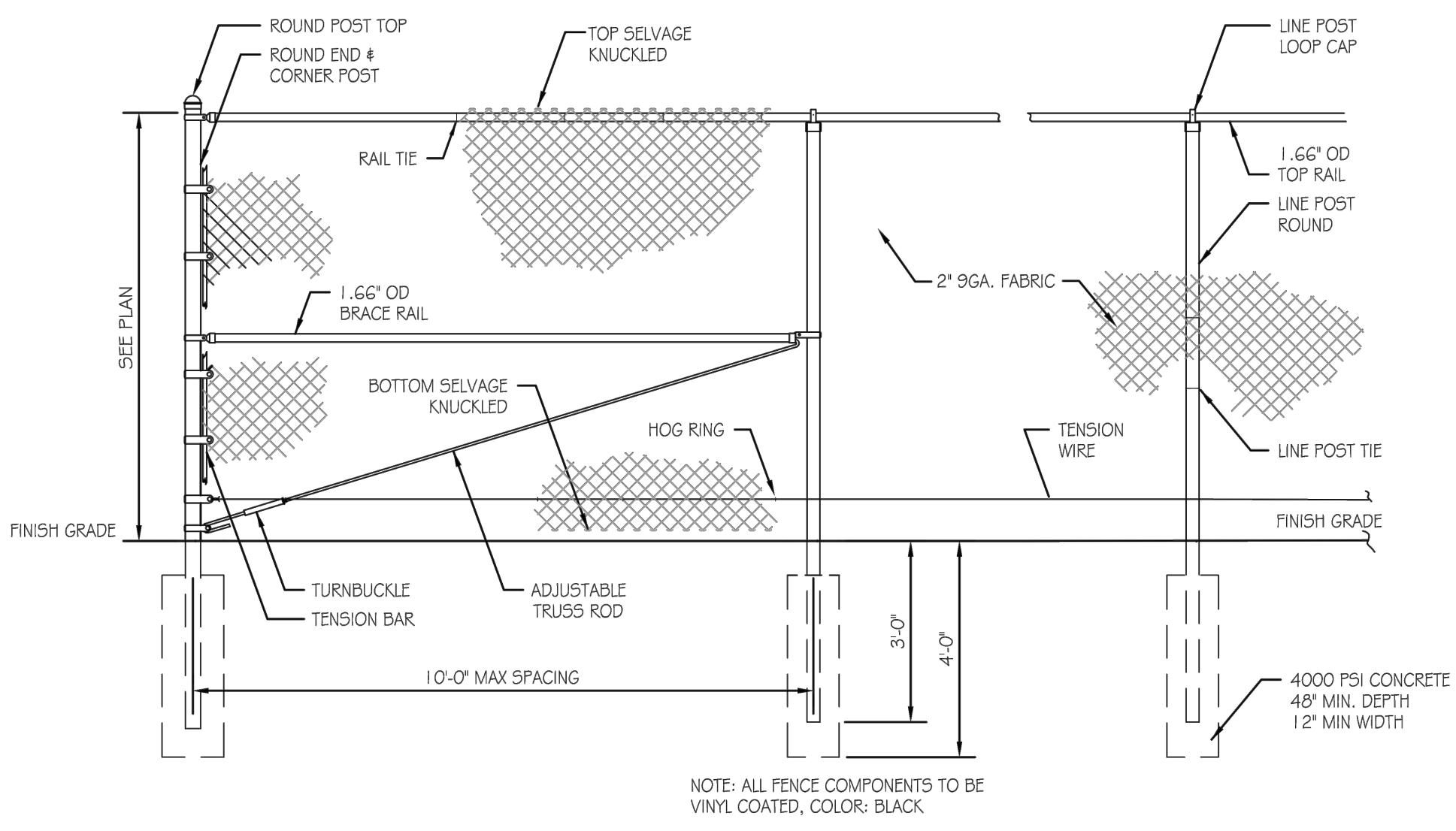
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STORM STRUCTURE CONNECTION  
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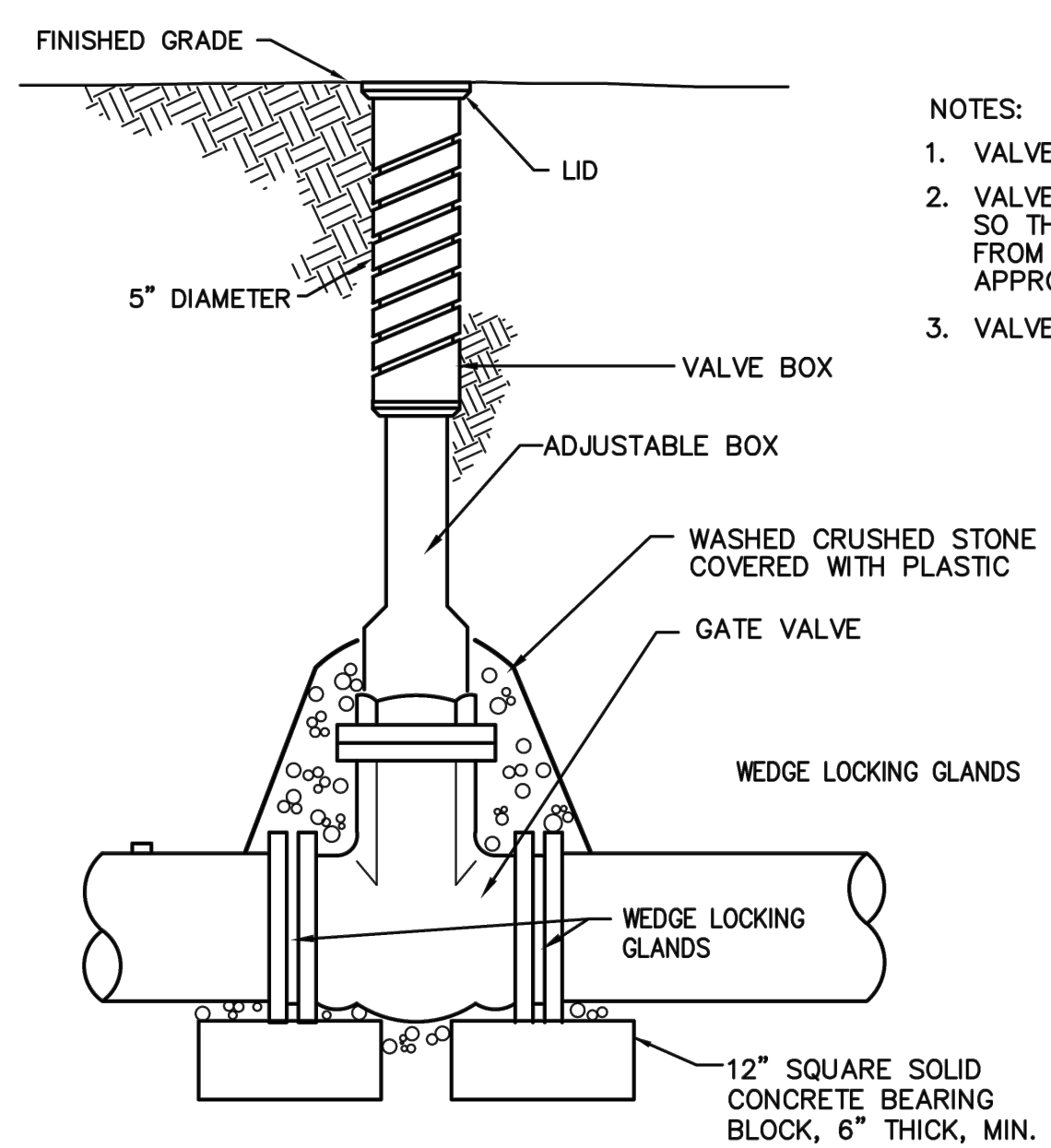
**36**  
**22** DETAIL  
STORM SEWER  
SCALE: NOT TO SCALE



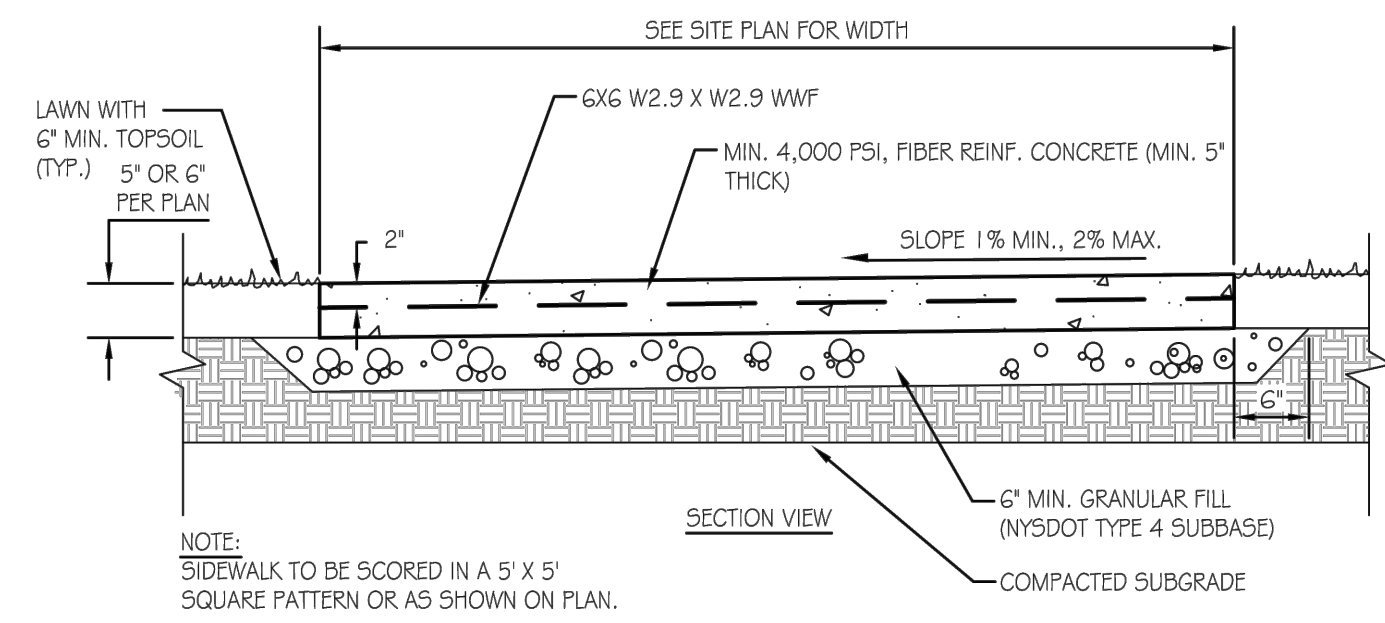
**37**  
**22** DETAIL  
WATER TRENCH  
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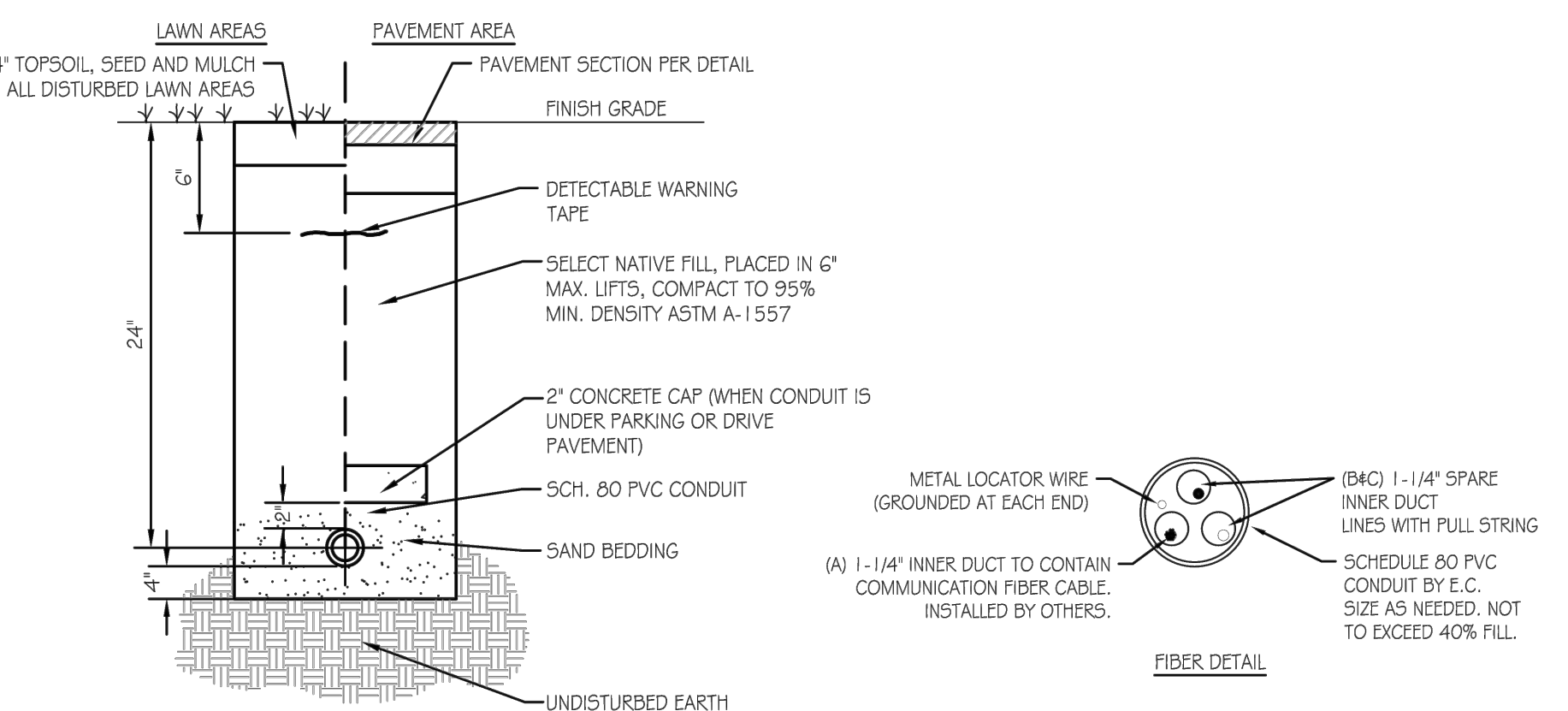
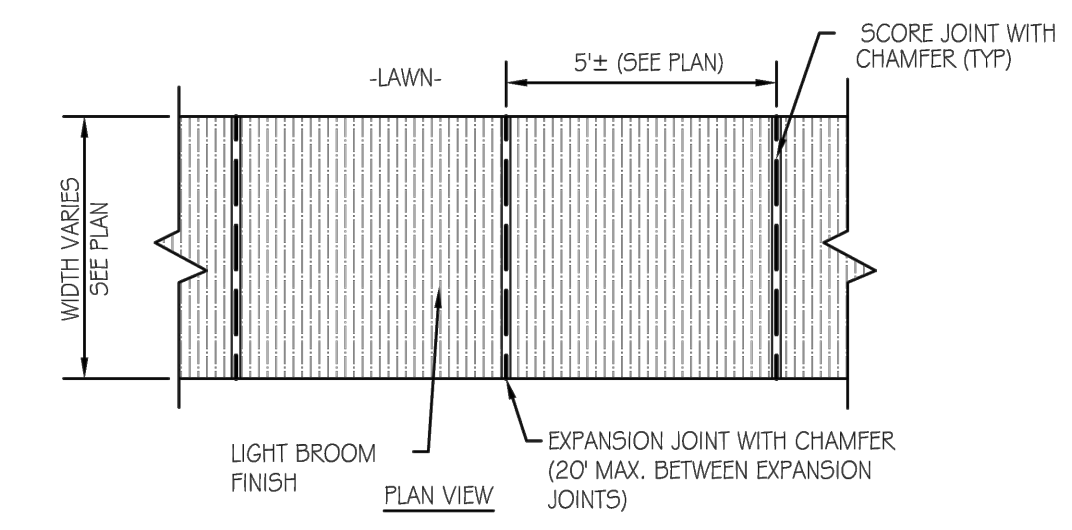
**38**  
**22** DETAIL  
CHAIN LINK FENCE  
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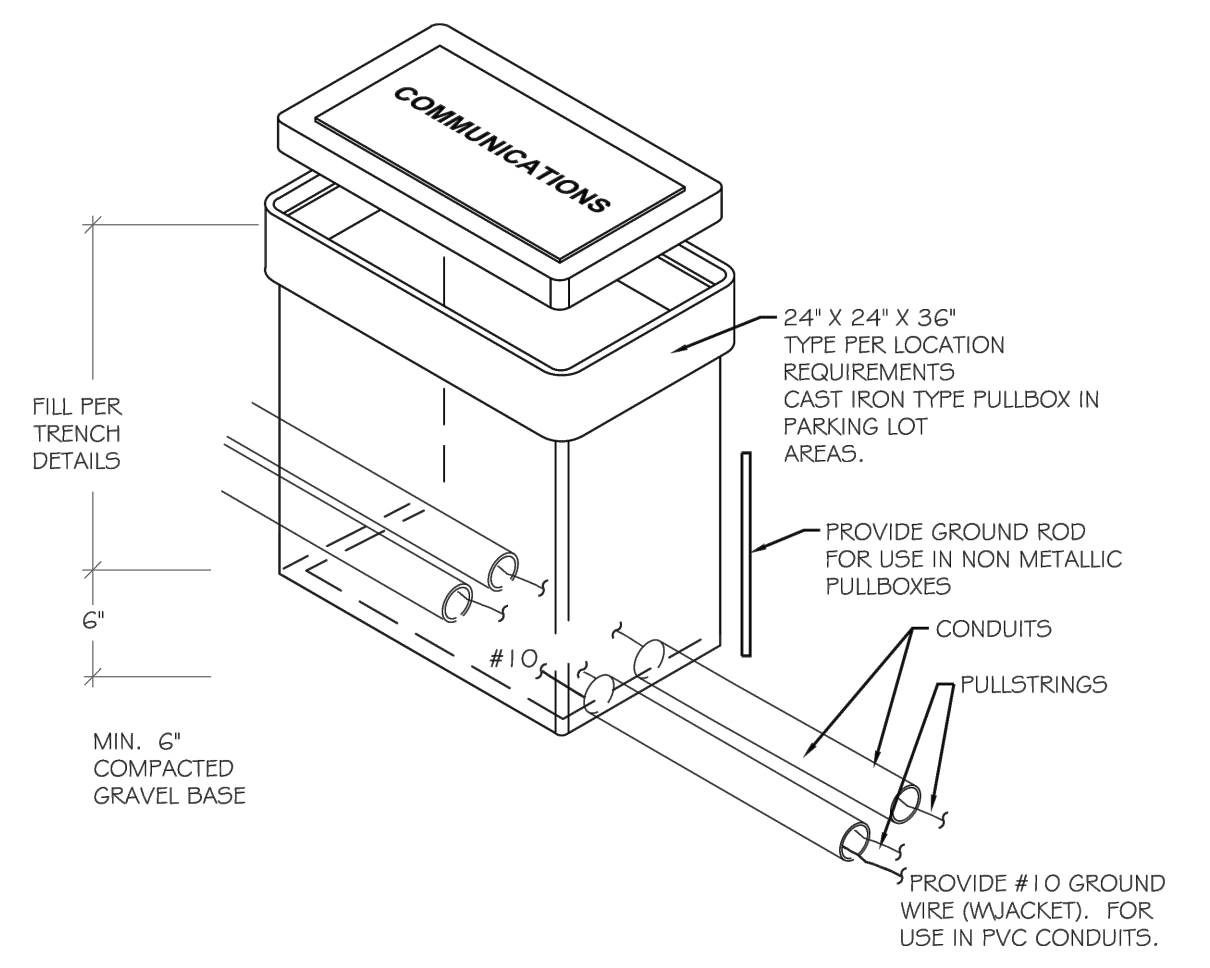
**39**  
**22** DETAIL  
GATE VALVE  
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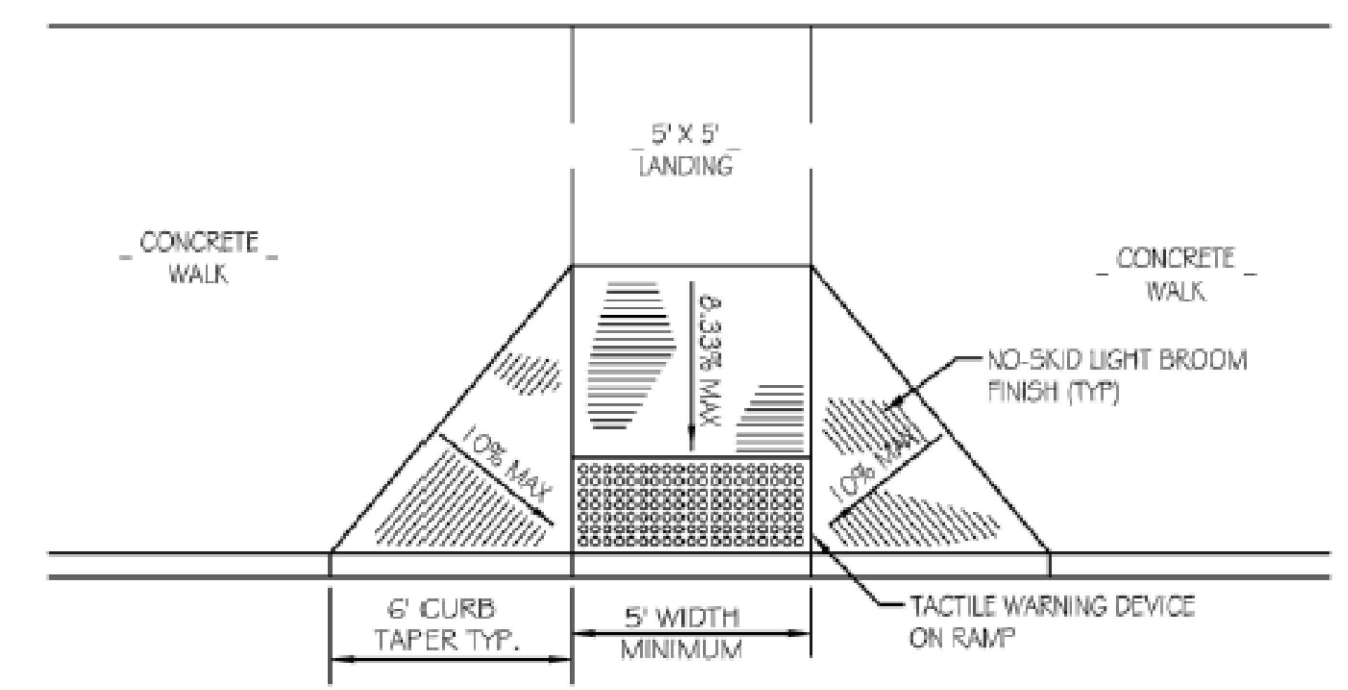
**40**  
**22** DETAIL  
CONCRETE SIDEWALK  
SCALE: NOT TO SCALE



**41A**  
**22** DETAIL  
CONDUIT TRENCH  
SCALE: NOT TO SCALE



**41A**  
**22** DETAIL  
PULL BOX  
SCALE: NOT TO SCALE



**42**  
**22** DETAIL  
ADA ACCESSIBLE CURB RAMP LAYOUT  
SCALE: NOT TO SCALE

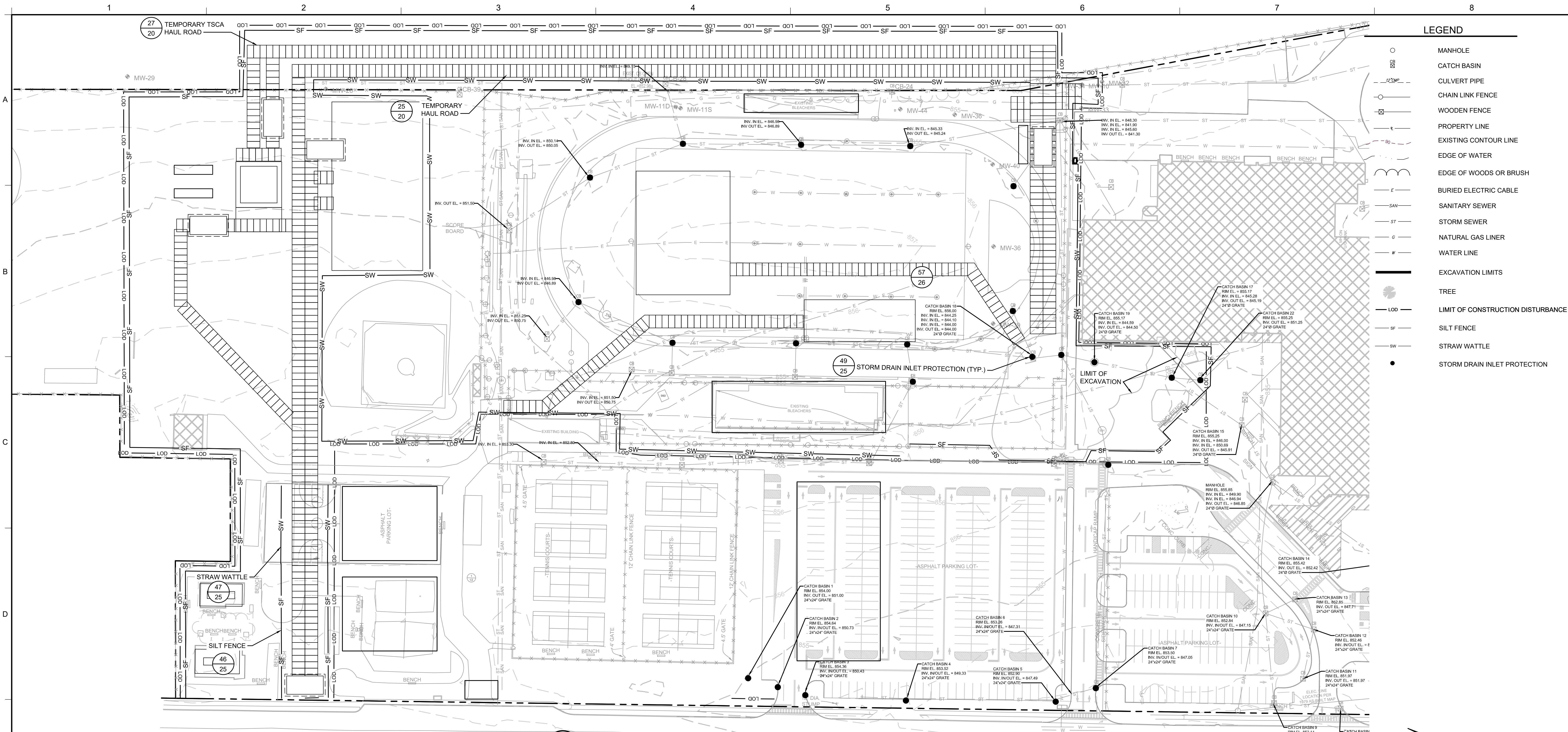
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**DRAFT**  
CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP
1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK

<b>B&amp;B Engineers &amp; Geologists</b> of new york, p.c. <i>an affiliate of Geosyntec Consultants</i>		<b>UNISYS</b>	
TITLE: PROPOSED UTILITY RESTORATION DETAILS			
PROJECT: INTERIM REMEDIATION MEASURE #4			
SITE: FORMER SPERRY-REMINGTON SITE - NORTH PORTION ELMIRA, NEW YORK			
DESIGN BY:	JSW	DATE:	APRIL 2020
DRAWN BY:	JSW	PROJECT NO.:	MN0832I
CHECKED BY:	AK	FILE:	MN0832I-22-23
REVIEWED BY:	CHP	DRAWING NO.:	23 OF 25
APPROVED BY:	AK		



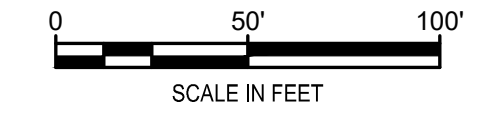
**43 PLAN**  
**EROSION AND SEDIMENT CONTROL PLAN**

**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 ON ALL PERIMETER FENCING AND 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
- 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 REVIVED.
  - 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.
  - CONTRACTOR SHALL USE SAND BAGS, COMPOST FILTER SOCKS, GEO-TUBES FILLED WITH BALLAST OR MANUFACTURES SURFACE BARRIERS AS STORMWATER INLET BMPs AROUND CATCH BASINS AND STORMWATER INLETS.
- 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 SEED 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 HYDROSEEDED, 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:
    - RECREATIONAL AREAS: PREFERRED SEED CO. SUMMER GREEN SUPREME MIX 8 LBS/1000 SQ. FT. SPORT FIELD AREAS: PREFERRED SEED CO. 50/50 SPORTS SUNNY MIX 4 LBS/1000 SQ. FT.
  - 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.



REV	DATE	DESCRIPTION	DRN	APP
1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK

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

**UNISYS**

TITLE: **EROSION AND SEDIMENT CONTROL PLAN**

PROJECT: **INTERIM REMEDIATION MEASURE #4**

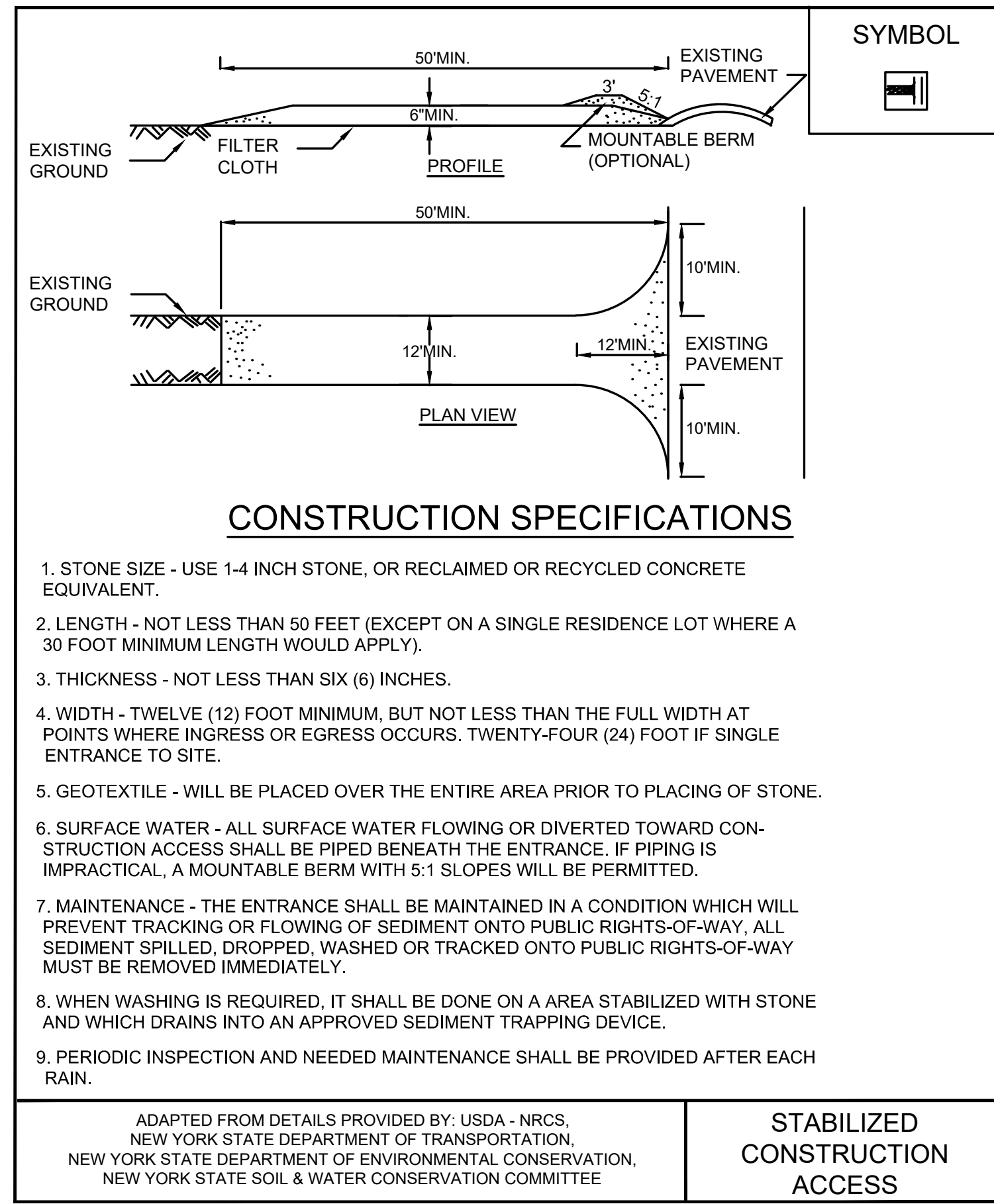
SITE: **FORMER SPERRY-REMINGTON SITE - NORTH PORTION  
ELMIRA, NEW YORK**

DESIGN BY:	AK	DATE:	APRIL 2020
DRAWN BY:	JWO	PROJECT NO.:	MN08321
CHECKED BY:	TBR	FILE:	MN08321-24
REVIEWED BY:	PLB	DRAWING NO.:	24 OF 25
APPROVED BY:	AK		

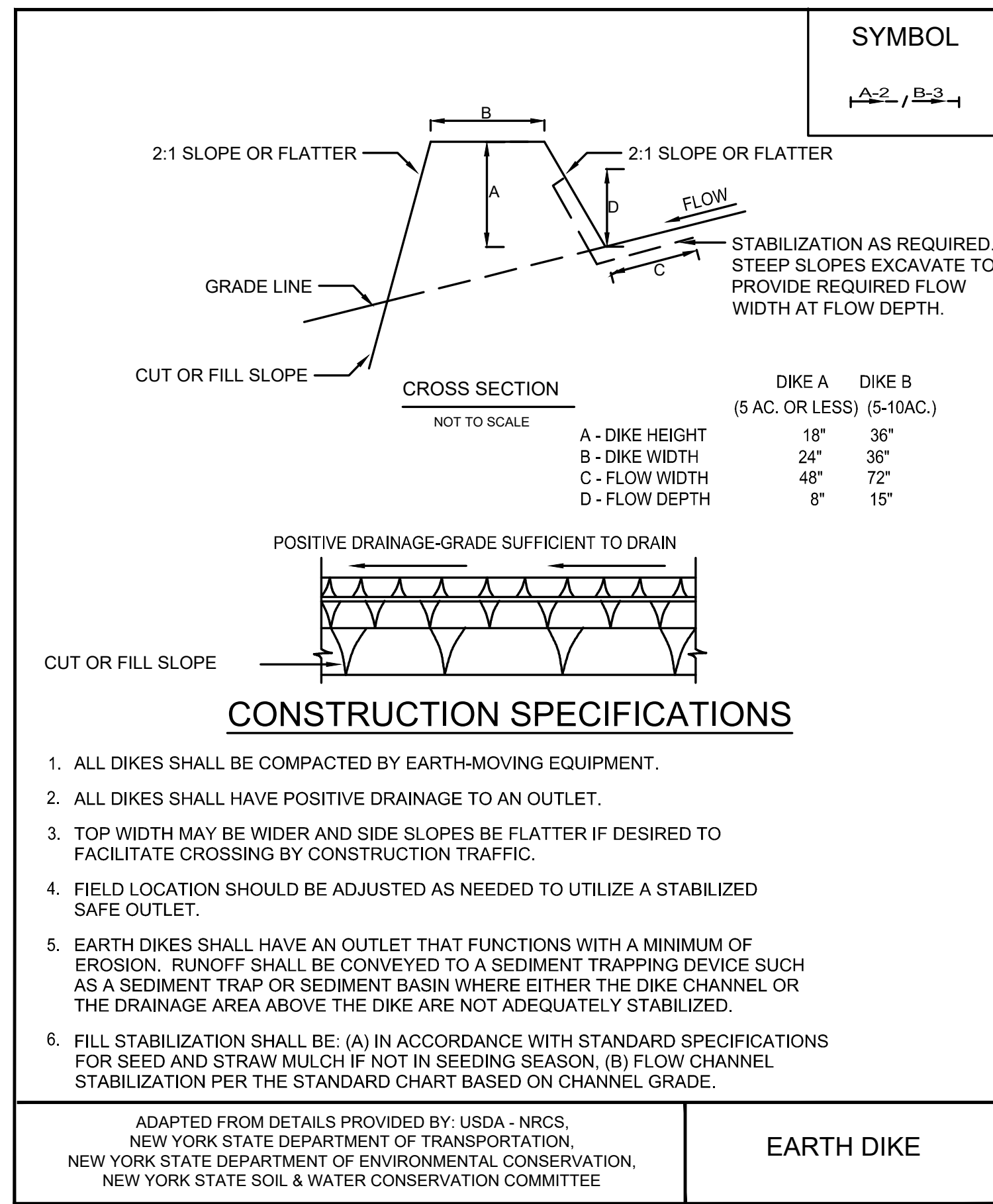
SIGNATURE: *Alex Karpaluk*  
 DATE: 5/19/2020

**DRAFT**  
**CONSTRUCTION DRAWING**

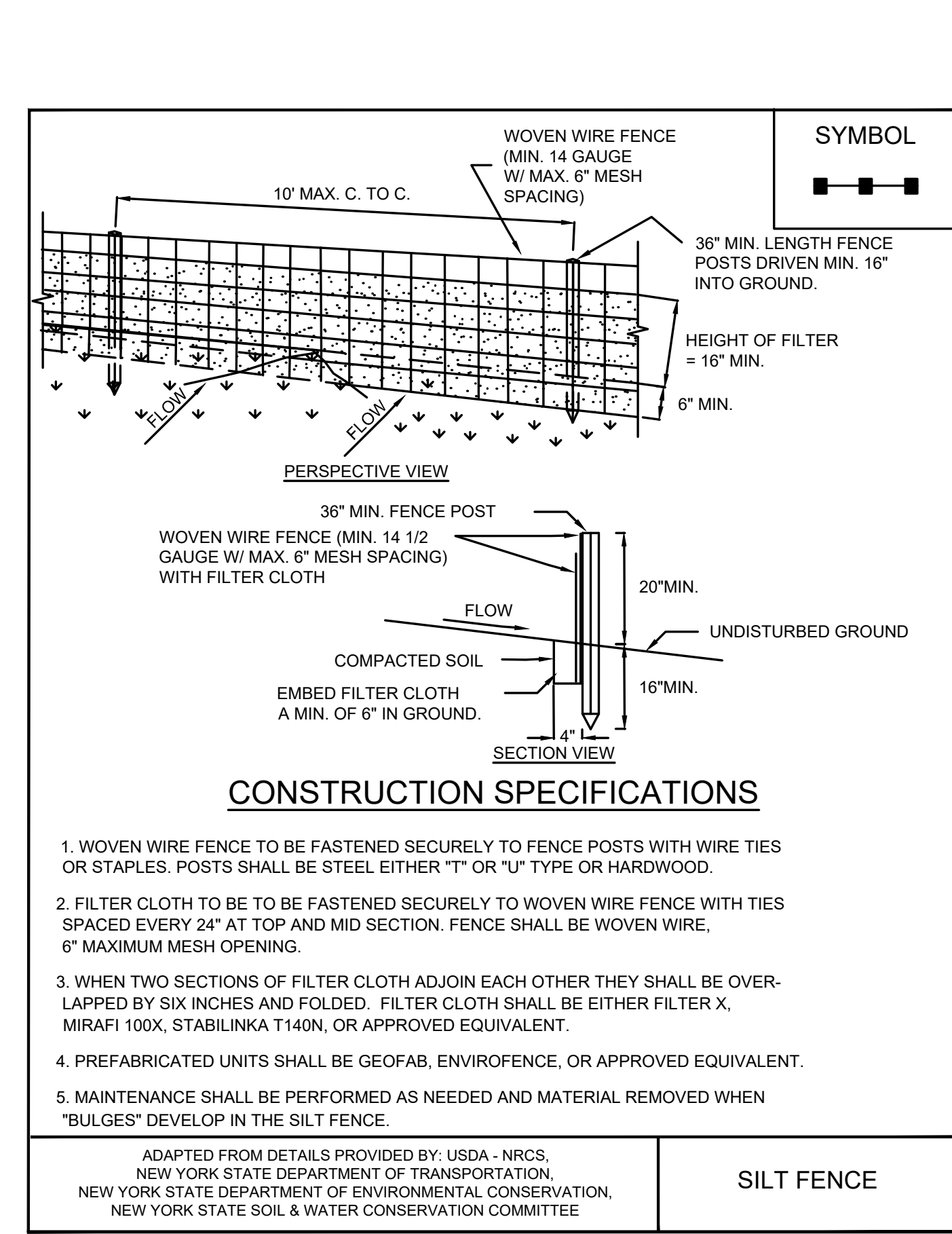
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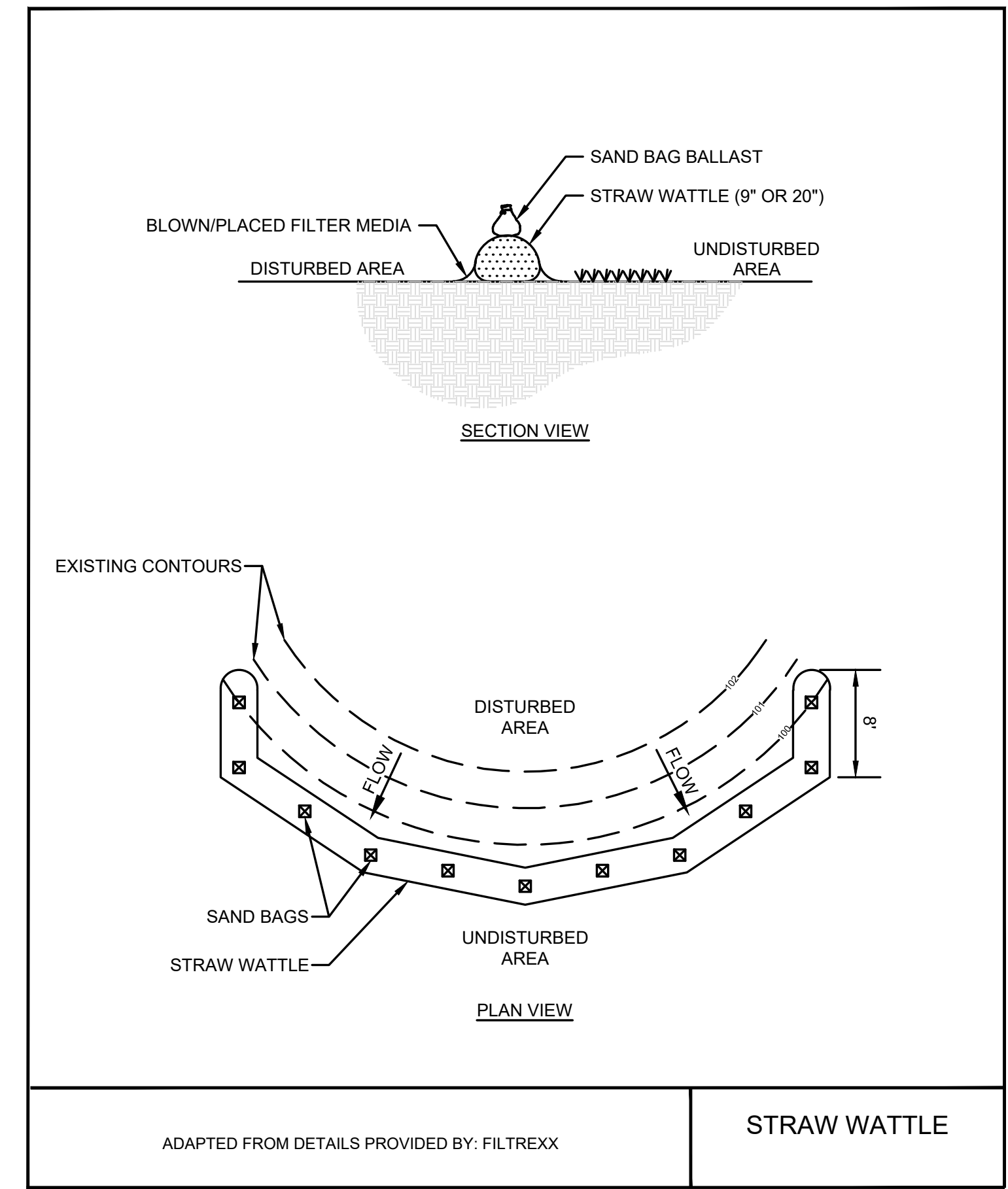
**44** DETAIL  
**25** STABILIZED CONSTRUCTION ACCESS  
SCALE: NOT TO SCALE



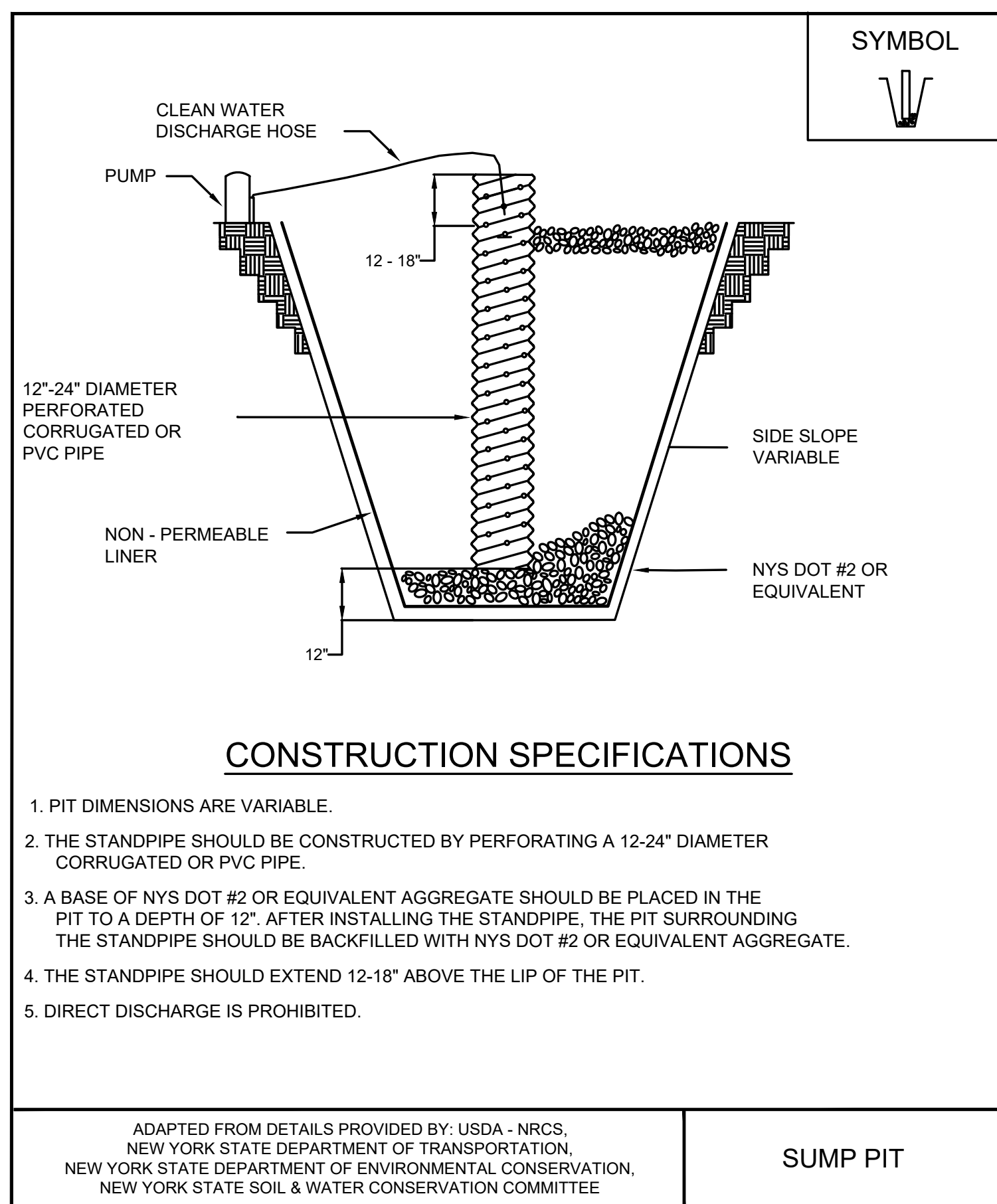
**45** DETAIL  
**-** EARTH DIKE  
(NOTE: AS NEEDED)  
SCALE: NOT TO SCALE



**46** DETAIL  
**18** SILT FENCE  
SCALE: NOT TO SCALE



**47** DETAIL  
**20** STRAW WATTLE  
SCALE: NOT TO SCALE



**48** 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 FROM THE SITE INTO SURFACE WATERS. THE FOLLOWING MINIMUM PRACTICES FOR STORMWATER POLLUTION PREVENTION WILL BE PERFORMED:

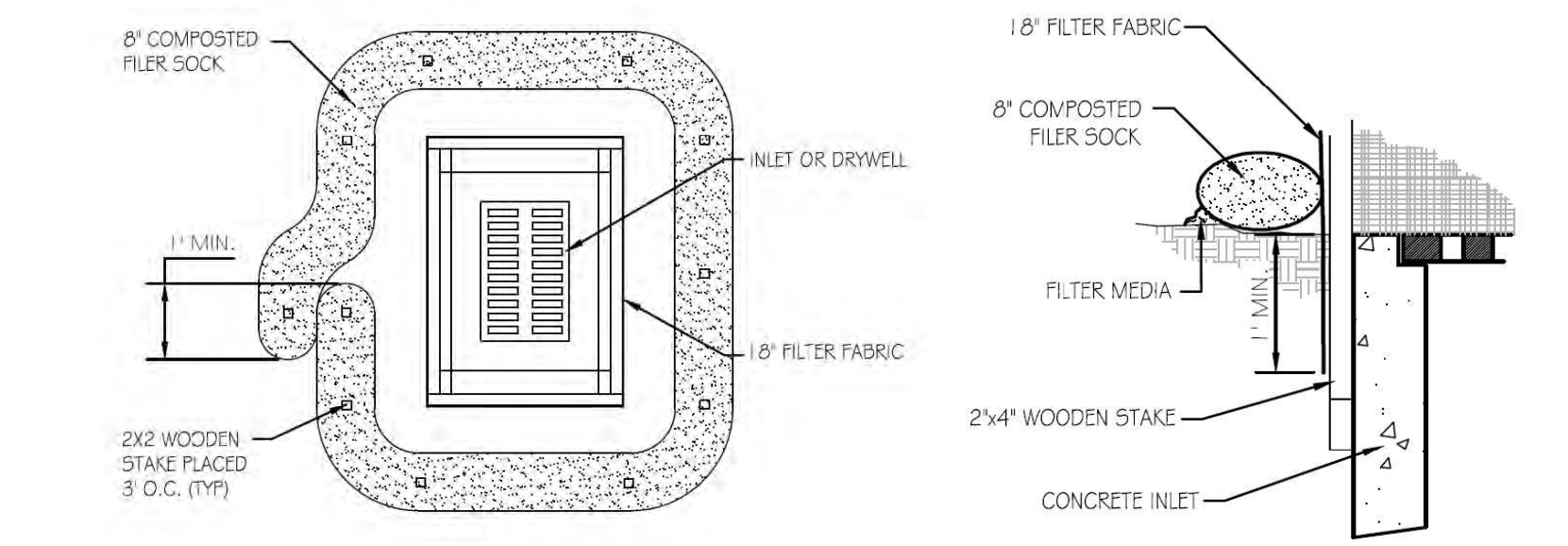
- ALL STATE AND FEDERAL REGULATIONS SHALL BE FOLLOWED FOR THE STORAGE, HANDLING, APPLICATION, USAGE, AND DISPOSAL OF PESTICIDES, FERTILIZERS, AND PETROLEUM PRODUCTS.
- VEHICLE AND CONSTRUCTION EQUIPMENT STAGING AND MAINTENANCE AREAS WILL BE LOCATED AWAY FROM ALL DRAINAGE WAYS WITH THEIR PARKING AREAS GRADED SO THE RUNOFF FROM THESE AREAS IS COLLECTED, CONTAINED AND TREATED PRIOR TO DISCHARGE FROM THE SITE.
- CONTRACTOR SHALL PROVIDE SANITARY FACILITIES FOR ON-SITE PERSONNEL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 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.
- CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SPILL PREVENTION AND CONTROL PLAN. THE PLAN SHOULD INCLUDE NYSDEC'S SPILL REPORTING AND INITIAL NOTIFICATION REQUIREMENTS.
- 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.
- CONTRACTOR SHALL POST INFORMATIONAL MATERIAL REGARDING PROPER HANDLING, SPILL RESPONSE, SPILL KIT LOCATION, AND EMERGENCY ACTIONS TO BE TAKEN, TO ALL CONSTRUCTION PERSONNEL.
- REFUELING EQUIPMENT SHALL BE LOCATED AT LEAST 100 FEET FROM ALL WETLANDS, STREAMS AND OTHER SURFACE WATERS.

**MAINTENANCE AND INSPECTION**

- 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.
- DAILY INSPECTION REPORTS SHALL BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION.

**DISCHARGE**

- 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.
- 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.



**49** DETAIL  
**20** DROP INLET PROTECTION DETAIL  
SCALE: NOT TO SCALE

**NOTES:**

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

**DRAFT CONSTRUCTION DRAWING**

1	5/19/2020	RESPONSE TO AGENCY COMMENTS	BGF	AK
REV	DATE	DESCRIPTION	DRN	APP
<b>B&amp;B Engineers &amp; Geologists</b> of new york, p.c. an affiliate of Geosyntec Consultants				
<b>EROSION AND SEDIMENT CONTROL DETAILS</b>				
<b>INTERIM REMEDIATION MEASURE #4</b>				
<b>FORMER SPERRY-REMINGTON SITE - NORTH PORTION</b> <b>ELMIRA, NEW YORK</b>				
DESIGN BY:	AK	DATE:	APRIL 2020	
DRAWN BY:	JWO	PROJECT NO.:	MN0832I	
CHECKED BY:	TBR	FILE:	MN0832I-25	
REVIEWED BY:	PLB	DRAWING NO.:	25 OF 25	
APPROVED BY:	AK	DATE:	5/19/2020	

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