

1. SEE DRAWING NY-7.3-M5-51620-001 FOR GENERAL NOTES APPLICABLE TO ALL SITE DEVELOPMENT DRAWINGS.

-----294----- -EXISTING 1' GROUND CONTOUR

-----295----- -EXISTING 5' GROUND CONTOUR

-----X----- -EXISTING FENCE

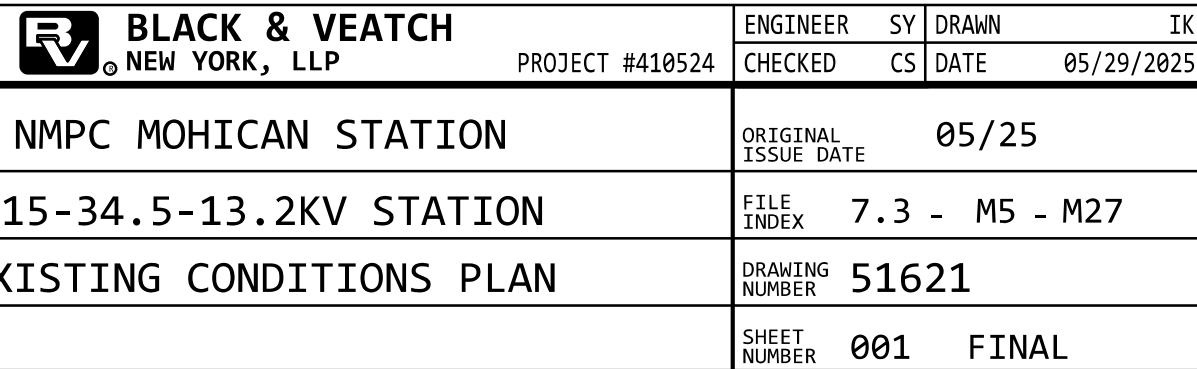
-----OHW-----OHW----- -OVERHEAD TRANSMISSION WIRE

*-----> -TRANSMISSION WOOD POLE WITH GUY

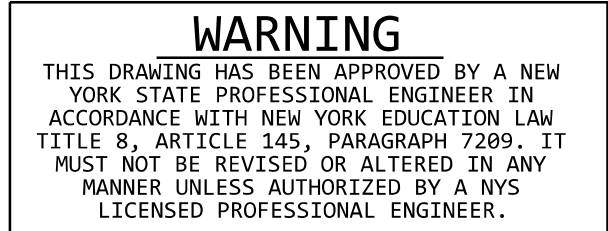
7.3	MS-M27	51620-001	SITE PLAN
7.3	MS-M27	51621-001	EXISTING CONDITIONS PLAN
7.3	MS-M27	51622-001	CLEARING AND GRUBBING PLAN
7.3	MS-M27	51623-001	GRADING AND DRAINAGE PLATFORMS
7.3	MS-M27	51623-002	GRADING AND DRAINAGE DETAILS
7.3	MS-M27	51624-001	GRADING AND DRAINAGE SECTIONS
7.3	MS-M27	51625-001	SURFACING AND FENCING PLAN
7.3	MS-M27	51626-001	EROSION AND SEDIMENT CONTROL PLAN
7.3	MS-M27	51626-002	EROSION AND SEDIMENT CONTROL DETAILS

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NOTES:

1. SEE DRAWING NY-7.3-M5-51620-001 FOR GENERAL NOTES APPLICABLE TO ALL SITE DEVELOPMENT DRAWINGS.

LANDSCAPE NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AND NOTIFY OWNERS REPRESENTATIVE OF CONFLICTS.
2. NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAVE BEEN COMPLETED IN THE IMMEDIATE AREA.
3. ANY PROPOSED PLANT SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
4. TOPSOIL AND SEED ALL AREAS NOT OTHERWISE TREATED.
5. THIS PLAN IS INTENDED FOR LANDSCAPING PURPOSES ONLY. REFER TO SITE/CIVIL DRAWINGS FOR ALL OTHER SITE CONSTRUCTION INFORMATION.
6. SEED MIX FOR VEGETATED FILTER STRIPS SHALL BE MIX #2 FROM TABLE 4.4 OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
7. SEED MIXTURE FOR GENERAL PURPOSE SHALL BE MIX #6 FROM TABLE 4.4 OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

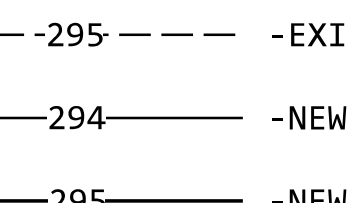










TREE PROTECTION:

9. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY CONSTRUCTION FENCE AT THE EDGE OF THE TREE DRIP LINES OR AS INDICATED ON THE PLAN PRIOR TO TREE CLEARING.
10. CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS, OR DISPOSE OF ANY WASTE MATERIALS, WITHIN THE TREE PROTECTION AREA.
11. DAMAGE TO EXISTING TREES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.

INVASIVE SPECIES REMOVAL NOTES:

12. CUT AND REMOVE INVASIVE AND SHRUB SPECIES.
13. APPLY HERBICIDE TO FRESHLY CUT STUMPS OF WOODY AND HERBACEOUS INVASIVE PLANTS. HERBICIDE APPLICATION SHALL BE PERFORMED BY A LICENSED HERBICIDE APPLICATOR. THE CONTRACTOR SHALL PROTECT NEARBY EXISTING PLANTS TO REMAIN, AND NEWLY PLANTED LANDSCAPE PLANTS FROM OVERSPRAY.
14. REMOVE DEAD VEGETATION FROM THE SITE AND PROPERLY DISPOSE OF OFF SITE.

LEGEND:

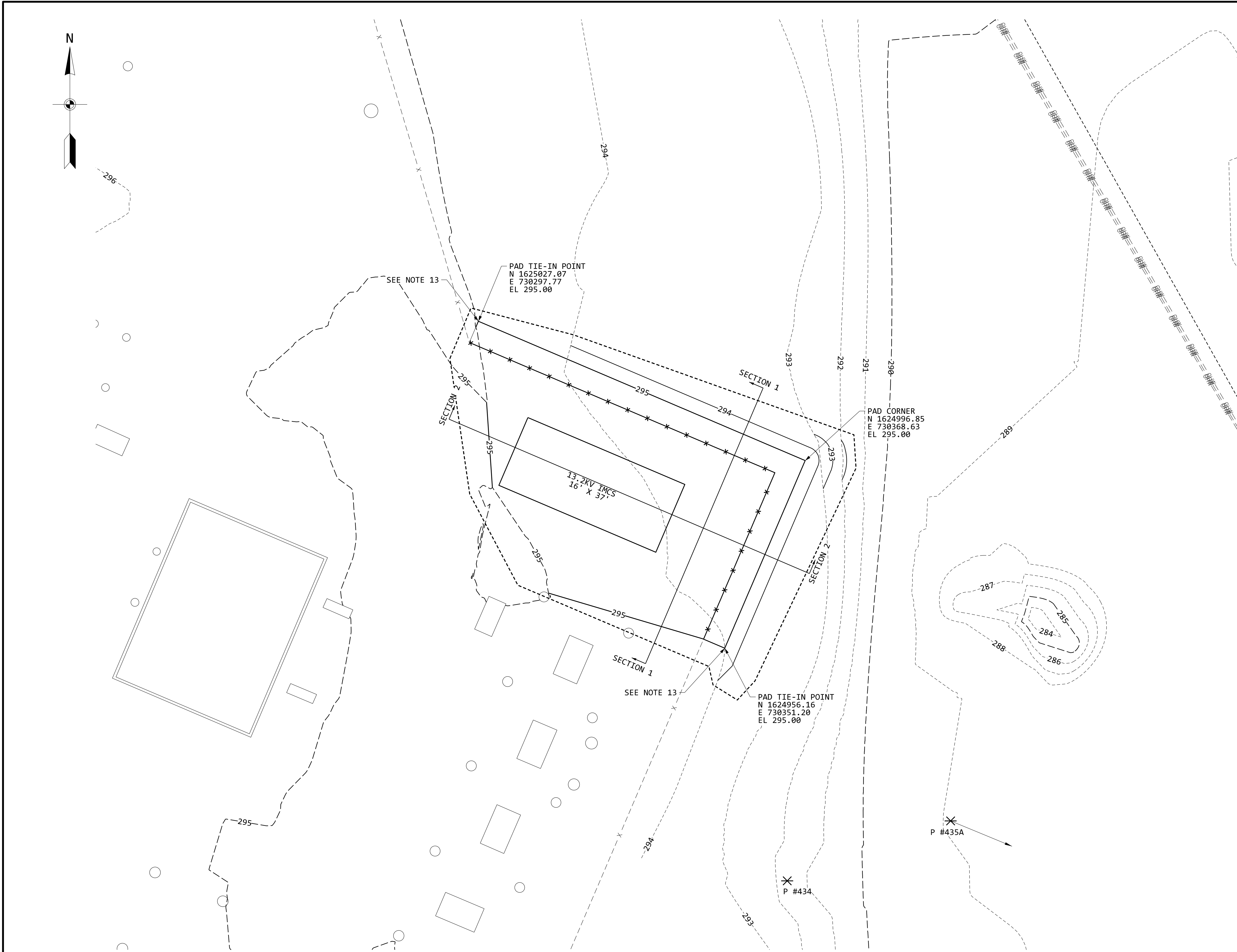
- 
-  -EXISTING 1' GROUND CONTOUR
 -  -EXISTING 5' GROUND CONTOUR
 -  -NEW 1' GROUND CONTOUR
 -  -NEW 5' GROUND CONTOUR
 -  -NEW FENCE
 -  -EXISTING FENCE
 -  -LIMITS OF DISTURBANCE
 -  -OVERHEAD TRANSMISSION WIRE
 -  -TRANSMISSION WOOD POLE WITH GUY
 -  -VEGETATION REMOVAL/MOWING

SHEET INDEX

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7.3-M5-M27-51622-001	- CLEARING AND GRUBBING PLAN
7.3-M5-M27-51623-001	- GRADING AND DRAINAGE PLAN
7.3-M5-M27-51623-002	- GRADING AND DRAINAGE DETAILS
7.3-M5-M27-51624-001	- GRADING AND DRAINAGE SECTIONS
7.3-M5-M27-51625-001	- SURFACING AND FENCING PLAN
7.3-M5-M27-51626-001	- SURFACING AND FENCING DETAILS
7.3-M5-M27-51626-002	- EROSION AND SEDIMENT CONTROL PLAN
7.3-M5-M27-51626-002	- EROSION AND SEDIMENT CONTROL DETAILS

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- NOTES:**
- SEE DRAWING NY-7.3-M5-51620-001 FOR GENERAL NOTES APPLICABLE TO ALL SITE DEVELOPMENT DRAWINGS.
 - GRADE SHALL SLOPE UNIFORMLY BETWEEN CONTOURS SHOWN ON THE PLANS.
 - CONTOURS ON THESE DRAWINGS ARE TOP OF FINISHED GRADE. SUBTRACT FINISH SURFACING MATERIAL THICKNESSES TO OBTAIN TOP OF SUBGRADE.
 - A SMOOTH VERTICAL TRANSITION SHALL BE PROVIDED AT ROAD INTERSECTIONS.
 - SLOPES SHALL BE 3(H):1(V) OR FLATTER, UNLESS NOTED OTHERWISE.
 - CONTRACTOR SHALL PREPARE THE SITE TO THE SPECIFIED FINISHED GRADE ELEVATIONS. CLEAR AND GRUB ACTIVITIES SHOULD REMOVE ALL ORGANIC MATTER, RUBBER, DEBRIS, STUMPS, AND ROOTS REGARDLESS OF THE DEPTH. STUMPS FROM TREES SHALL BE COMPLETELY REMOVED AND DISPOSED OF.
 - SEE DRAWING NY-7.3-M5-51622-001 FOR CLEARING AND LANDSCAPING NOTES.
 - CONTRACTOR SHALL VERIFY THAT ALL FILL SOIL IS FREE OF ROCK OR GRAVEL, DEBRIS, WASTE, FROZEN MATERIAL, VEGETATION, AND OTHER DELETERIOUS MATTER LARGER THAN 3 INCHES IN ANY DIMENSION.
 - CONTRACTOR SHALL COMPACT SUBGRADE AND GENERAL FILL SOILS TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557) WITHIN +/- 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
 - CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL TO AN AVERAGE DEPTH OF APPROXIMATELY 6". TOPSOIL SHALL BE SPOILED ON SITE WHERE PRACTICABLE AND EXCESS SHALL BE REMOVED FROM THE PROJECT SITE.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES OCCURRING.
 - CONTRACTOR SHALL ENSURE THAT SMOOTH POSITIVE SLOPES ARE MAINTAINED FOR STORM WATER DRAINAGE FLOW.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SMOOTHLY TYING THE NEW FINISHED PAD EXPANSION INTO THE EXISTING FINISHED SURFACE OF THE SUBSTATION.

- LEGEND:**
- - - - -294- - - - -EXISTING 1' GROUND CONTOUR
 - - - - -295- - - - -EXISTING 5' GROUND CONTOUR
 - 294—————NEW 1' GROUND CONTOUR
 - 295—————NEW 5' GROUND CONTOUR
 - * * * * *NEW FENCE
 - - - - - X - - - - -EXISTING FENCE
 - - - - -LIMITS OF DISTURBANCE
 - OHW — OHW —OVERHEAD TRANSMISSION WIRE
 - * ———> —TRANSMISSION WOOD POLE WITH GUY

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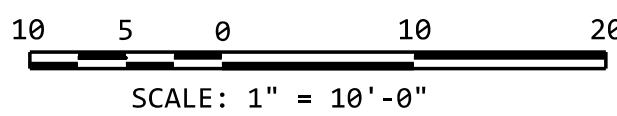
- | | |
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WARNING

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BLACK & VEATCH NEW YORK, LLP	PROJECT #410524	ENGINEER CHECKED	SY CS	DRAWN DATE	IK 05/29/2025
	NMPC MOHICAN STATION	ORIGINAL ISSUE DATE			05/25
	115-34.5-13.2KV STATION	FILE INDEX			7.3 - M5 - M27
	GRADING AND DRAINAGE PLAN	DRAWING NUMBER			51623
		SHEET NUMBER			001 CONT'D ON 002

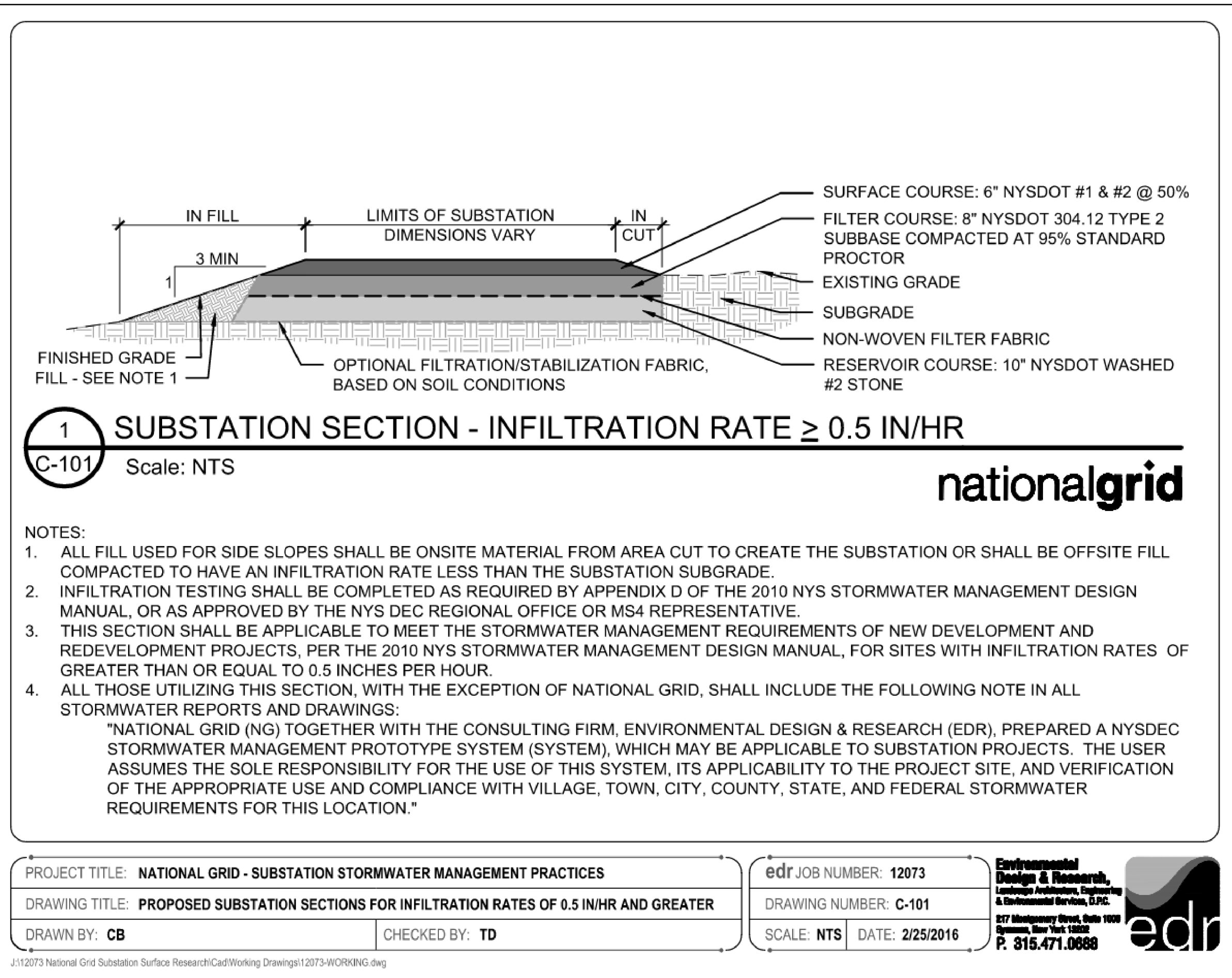
REFERENCE DESCRIPTION	DRAWING NUMBER	NO.	DATE	DESCRIPTION OF REVISION	DR.	CK.	APP.	NO.	DATE	DESCRIPTION OF REVISION	DR.	CK.	APP.

B&V DES. APPROVED	G. MICHAEL MCPECK
B&V DR. APPROVED	
B&V CK. APPROVED	
B&V CK. APPROVED	

PREPARED BY	
ACCOUNT NUMBER	

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WARNING

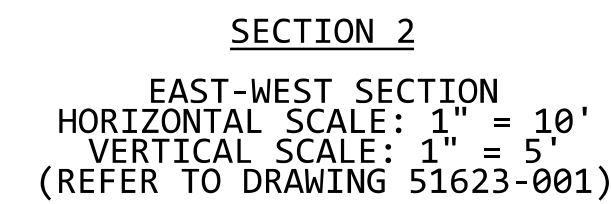
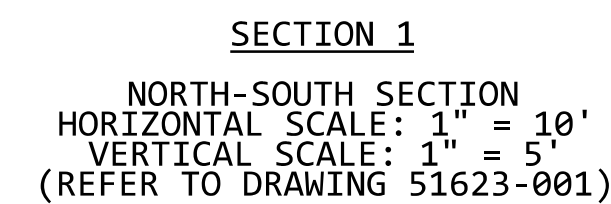
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1. SEE DRAWING NY-7.3-M5-51620-001 FOR GENERAL NOTES APPLICABLE TO ALL SITE DEVELOPMENT DRAWINGS.



7.3-M5-M27-51620-001	- SITE PLAN
7.3-M5-M27-51621-001	- EXISTING CONDITIONS PLAN
7.3-M5-M27-51622-001	- CLEARING AND GRUBBING PLAN
7.3-M5-M27-51623-001	- GRADING AND DRAINAGE PLAN
7.3-M5-M27-51623-002	- GRADING AND DRAINAGE DETAILS
7.3-M5-M27-51624-001	- GRADING AND DRAINAGE SECTIONS
7.3-M5-M27-51625-001	- SURFACING AND FENCING PLAN
7.3-M5-M27-51625-002	- SURFACING AND FENCING DETAILS
7.3-M5-M27-51626-001	- EROSION AND SEDIMENT CONTROL PLAN
7.3-M5-M27-51626-002	- EROSION AND SEDIMENT CONTROL DETAILS

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 BLACK & VEATCH NEW YORK, LLP	PROJECT #410524		ENGINEER	SY	DRAWN	IK
			CHECKED	CS	DATE	05/29/2025
NMPC MOHICAN STATION			ORIGINAL ISSUE DATE	05/25		
115-34.5-13.2KV STATION			FILE INDEX	7.3 - M5 - M27		
GRADING AND DRAINAGE SECTIONS			DRAWING NUMBER	51624		
			SHEET NUMBER	001	FINAL	

UNCONTROLLED
DOCUMENT



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LEGEND:

-----294-----	-EXISTING 1' GROUND CONTOUR
-----295-----	-EXISTING 5' GROUND CONTOUR
—————294—————	-NEW 1' GROUND CONTOUR
—————295—————	-NEW 5' GROUND CONTOUR
—X—X—X—X—	-NEW FENCE
----- X -----	-EXISTING FENCE
-----	-LIMITS OF DISTURBANCE
— OHW — OHW —	-OVERHEAD TRANSMISSION WIRE
*—————→	-TRANSMISSION WOOD POLE WITH GUY
	-SUBSTATION YARD AGGREGATE SURFACING
	-RIP RAP

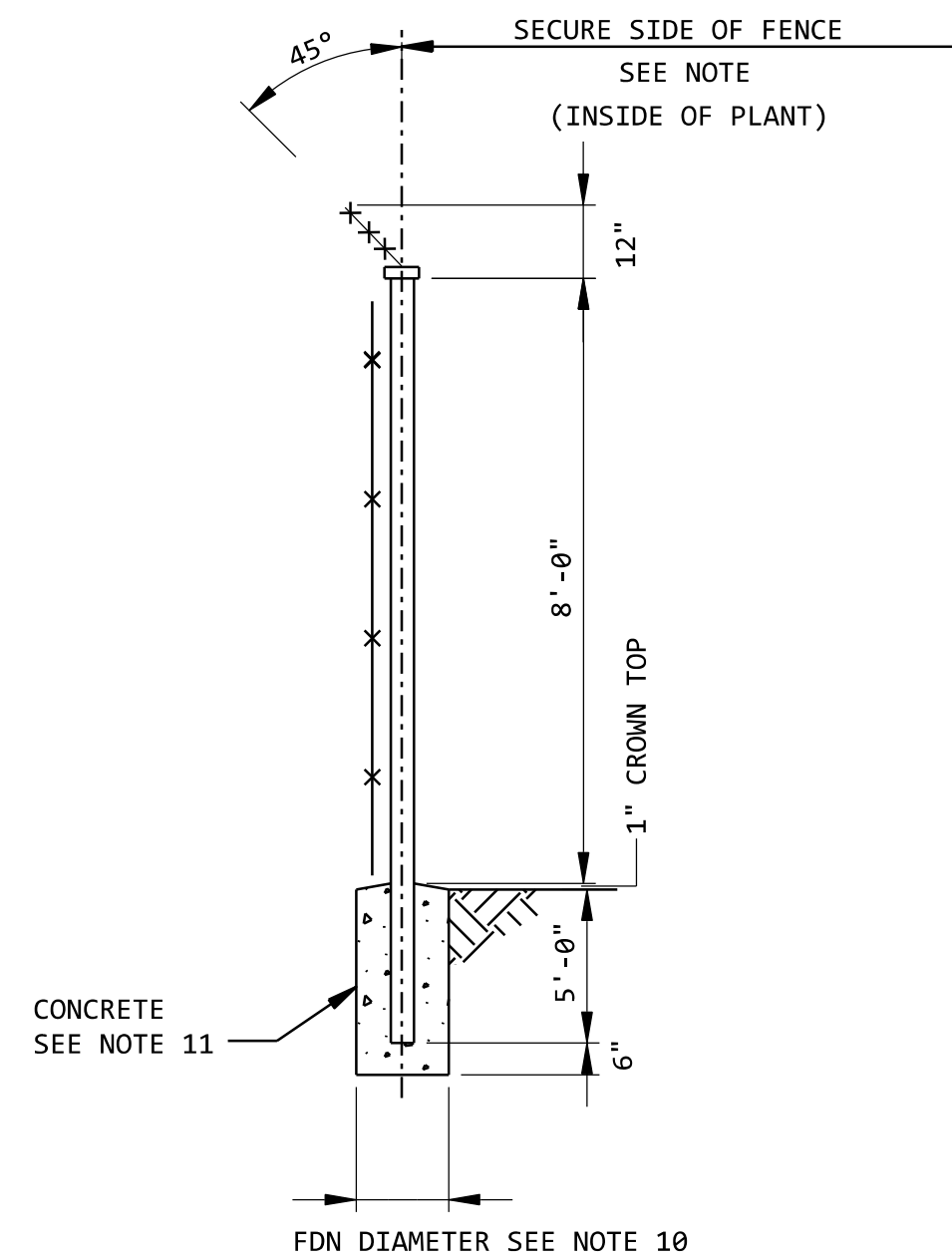
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FOR CONSTRUCTION**

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD
FILE OF THIS DRAWING IS UNCONTROLLED. THE USER
SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE
LATEST CONTROLLED VERSION.

SCALE: 1" = 10'-0"

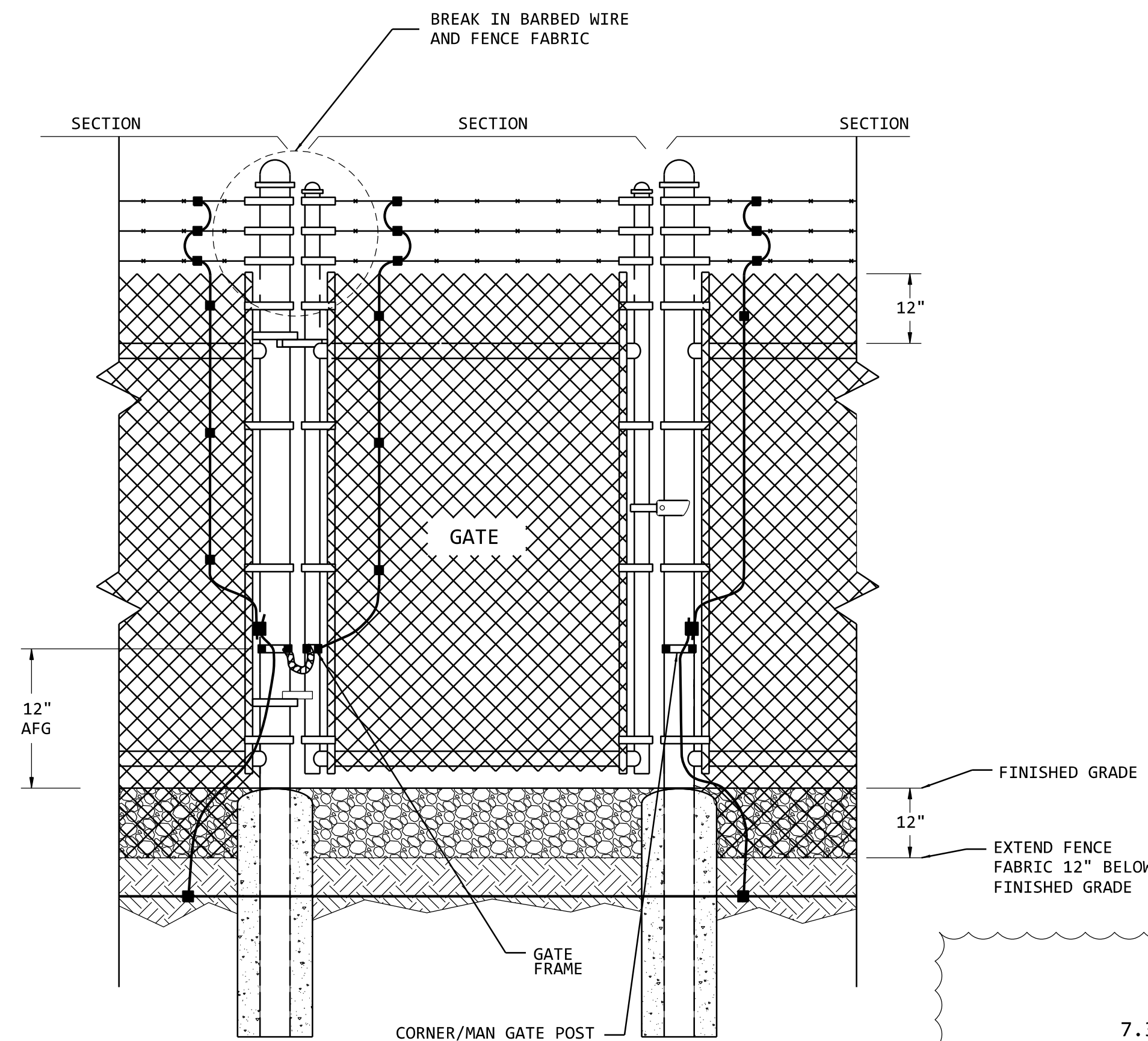
 BLACK & VEATCH NEW YORK, LLP	PROJECT #418524	ENGINEER	SY	DRAWN	IK
		CHECKED	CS	DATE	05/29/2025
NMPC MOHICAN STATION		ORIGINAL ISSUE DATE		05/25	
115-34.5-13.2KV STATION		FILE INDEX	7.3 - M5 - M27		
URF-AGENCY AND FENCING PLAN		DRAWING NUMBER	51625		
		SHEET NUMBER	001 CONT'D ON 002		

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DOCUMENT

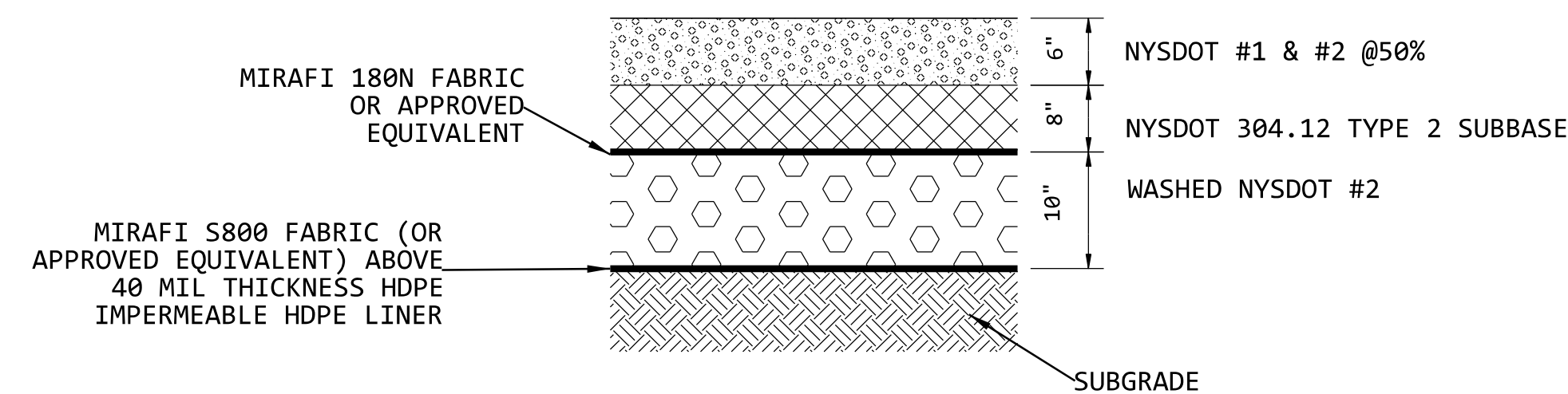


TYPICAL CHAIN LINK LINE POST

HOLD
(SEE NOTE 15)



DETAIL 3
TYPICAL FENCE GATE GROUNDING DETAILS
NO SCALE



TYPICAL SUBSTATION SURFACE

SEE NOTES 12-14 ON THIS DWG
NO SCALE

THIS DRAWING HAS BEEN APPROVED BY A NEW YORK STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH NEW YORK EDUCATION LAW TITLE 8, ARTICLE 145, PARAGRAPH 7209. I MUST NOT BE REVISED OR ALTERED IN ANY MANNER UNLESS AUTHORIZED BY A NYS LICENSED PROFESSIONAL ENGINEER.

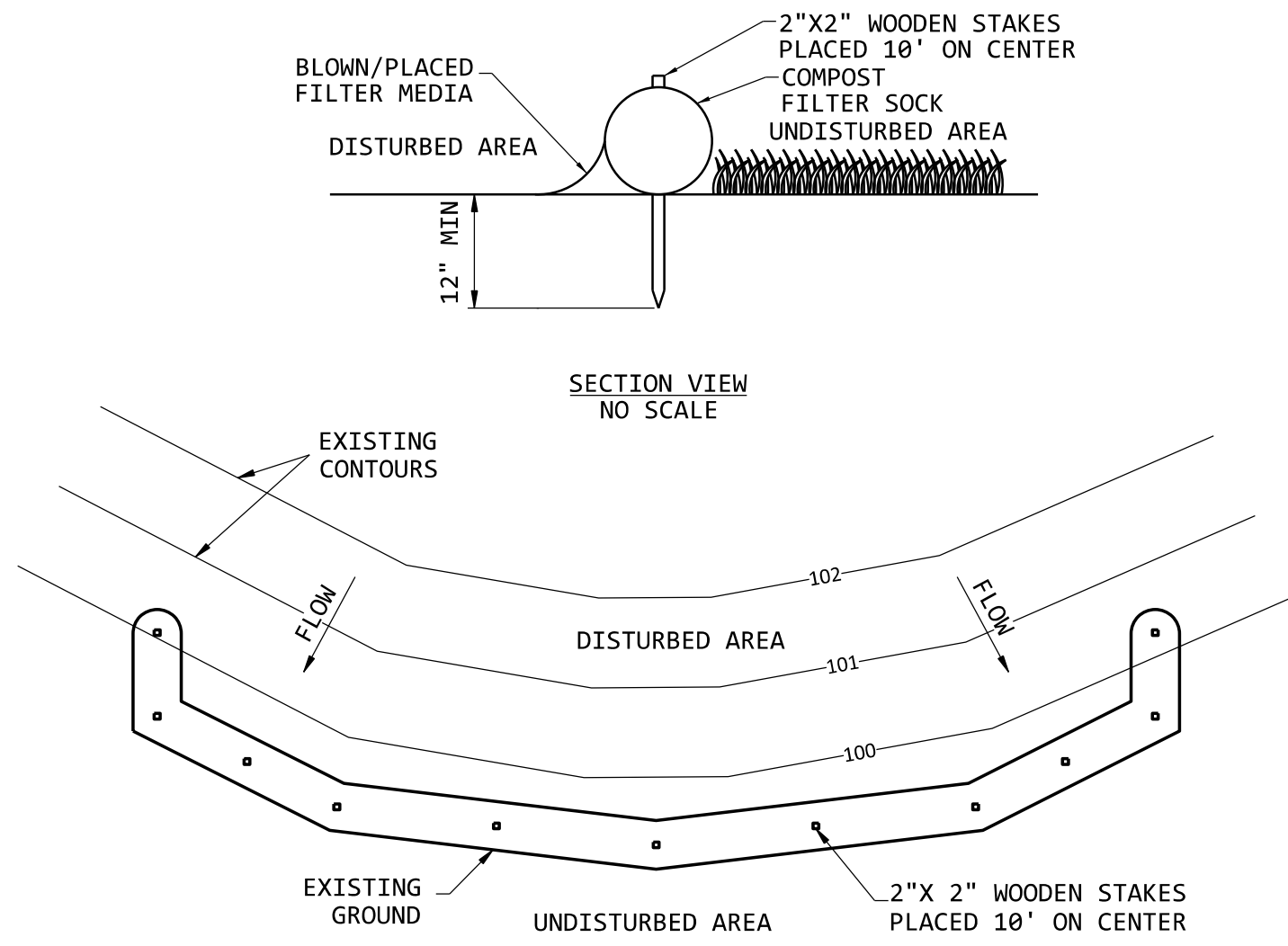
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7.3-M5-M27-15620-001	- SITE PLAN
7.3-M5-M27-15621-001	- EXISTING CONDITIONS PLAN
7.3-M5-M27-15622-001	- CLEARING AND GRUBBING PLAN
7.3-M5-M27-15623-001	- GRADING AND DRAINAGE PLAN
7.3-M5-M27-15623-002	- GRADING AND DRAINAGE DETAILS
7.3-M5-M27-15624-001	- GRADING AND DRAINAGE SECTIONS
7.3-M5-M27-15625-001	- SURFACING AND FENCING PLAN
7.3-M5-M27-15625-002	- SURFACING AND FENCING DETAILS
7.3-M5-M27-15626-001	- EROSION AND SEDIMENT CONTROL PLAN
7.3-M5-M27-15626-002	- EROSION AND SEDIMENT CONTROL DETAILS

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DOCUMENT

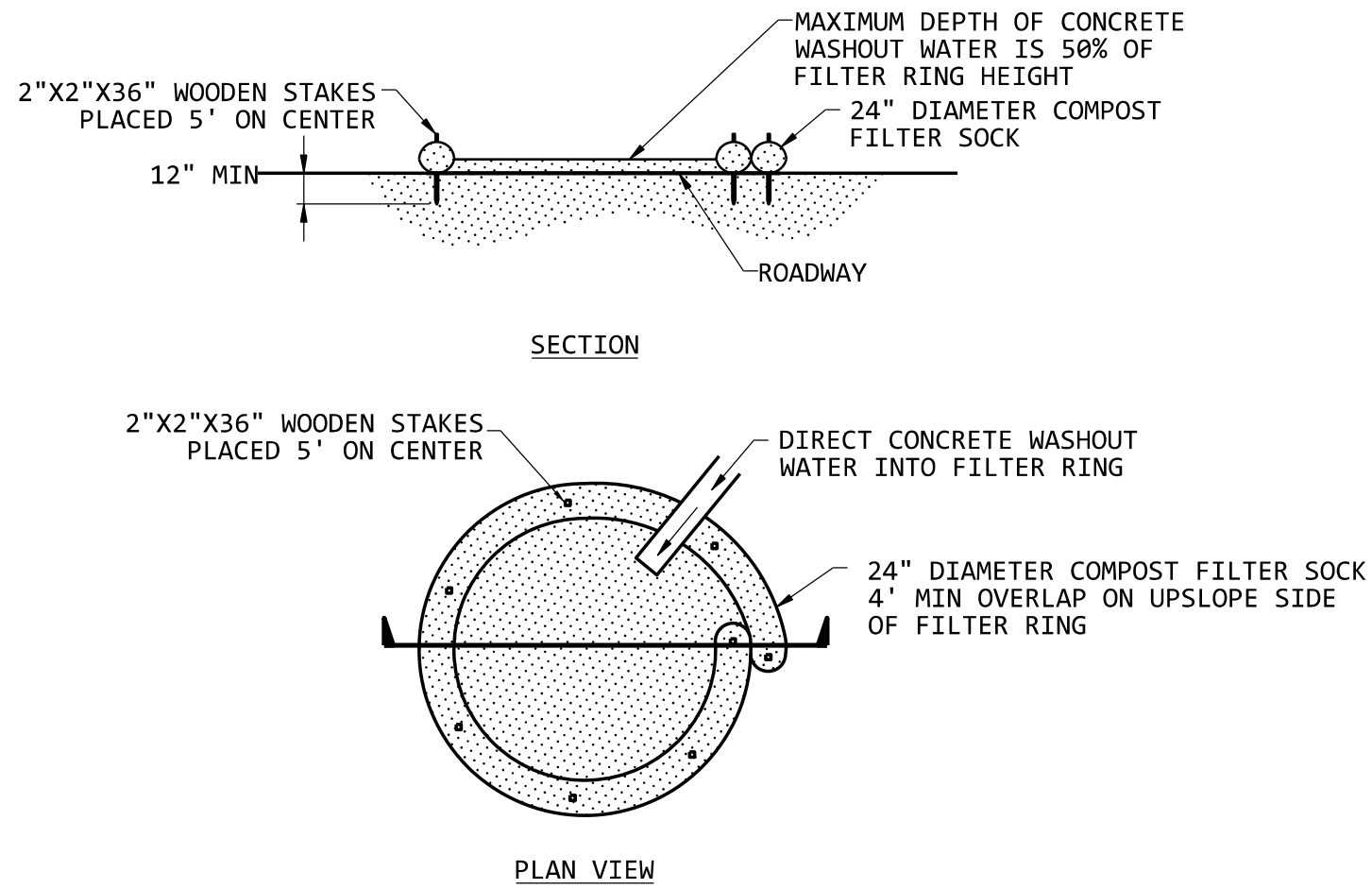


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COMPOST STANDARDS	
ORGANIC MATTER CONTENT = 80%-100% (DRY WEIGHT BASIS)	ORGANIC PORTION = FIBROUS AND ELONGATED
PARTICLE SIZE = 98% PASS THROUGH 1" SCREEN	pH = 5.5 - 8.0
SOLUBLE SALT CONCENTRATION = 5.0 dS MAXIMUM	MOISTURE CONTENT = 35% - 55%

COMPOST FILTER SOCK INSTALLATION DETAIL
NO SCALE



- NOTES:
1. INSTALL IMPERVIOUS GEOMEMBRANE PRIOR TO INSTALLING FILTER SOCKS.
 2. INSTALL ON FLAT GRADE FOR OPTIMAL PERFORMANCE.
 3. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

COMPOST SOCK WASHOUT INSTALLATION DETAIL
NO SCALE

NOTES:

1. SEE DRAWING NY-7.3-M5-51620-001 FOR GENERAL NOTES APPLICABLE TO ALL SITE DEVELOPMENT DRAWINGS.
2. SEE DRAWING NY-7.3-M5-51626-001 FOR EROSION AND SEDIMENT CONTROL PLAN.
3. ALL EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH THE NYSDEC STORMWATER MANAGEMENT DESIGN MANUAL (JULY 2024), NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.

COMPOST FILTER SOCK:

4. COMPOST FILTER SOCK SHALL BE 12 INCH DIAMETER UNLESS NOTED OTHERWISE.
5. COMPOST FILTER SOCK SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF A SLOPE OR OTHER AFFECTED AREA.
6. REMOVE SEDIMENT COLLECTED AT THE BASE OF THE COMPOST FILTER SOCKS WHEN IT REACHES 1/3 OF THE EXPOSED HEIGHT OF THE SOCK.

COMPOST FILTER SOCK INSTALLATION DETAIL:

7. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 15 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.
8. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
9. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
10. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
11. BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS, PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
12. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

SHEET INDEX

7.3-M5-M27-51620-001	- SITE PLAN
7.3-M5-M27-51621-001	- EXISTING CONDITIONS PLAN
7.3-M5-M27-51622-001	- CLEARING AND GRUBBING PLAN
7.3-M5-M27-51623-001	- GRADING AND DRAINAGE PLAN
7.3-M5-M27-51623-002	- GRADING AND DRAINAGE DETAILS
7.3-M5-M27-51624-001	- GRADING AND DRAINAGE SECTIONS
7.3-M5-M27-51625-001	- SURFACING AND FENCING PLAN
7.3-M5-M27-51625-002	- SURFACING AND FENCING DETAILS
7.3-M5-M27-51626-001	- EROSION AND SEDIMENT CONTROL PLAN
7.3-M5-M27-51626-002	- EROSION AND SEDIMENT CONTROL DETAILS

WARNING

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																		B&V DES. APPROVED		G. MICHAEL MCPECK		PREPARED BY		NMPC MOHICAN STATION		ORIGINAL ISSUE DATE		05/25			
																		B&V DR. APPROVED		nationalgrid				115-34.5-13.2KV STATION		FILE INDEX		7.3 - M5 - M27			
																B&V CK. APPROVED								EROSION AND SEDIMENT CONTROL DETAILS		DRAWING NUMBER		51626			
																B&V CK, WRH APPROVED								ACCOUNT NUMBER		C053133-90000202643		SHEET NUMBER		002 FINAL	
REFERENCE DESCRIPTION		DRAWING NUMBER		NO.		DATE		DESCRIPTION OF REVISION		DR.		CK.		APP.		NO.		DATE		DESCRIPTION OF REVISION		DR.		CK.		APP.					