

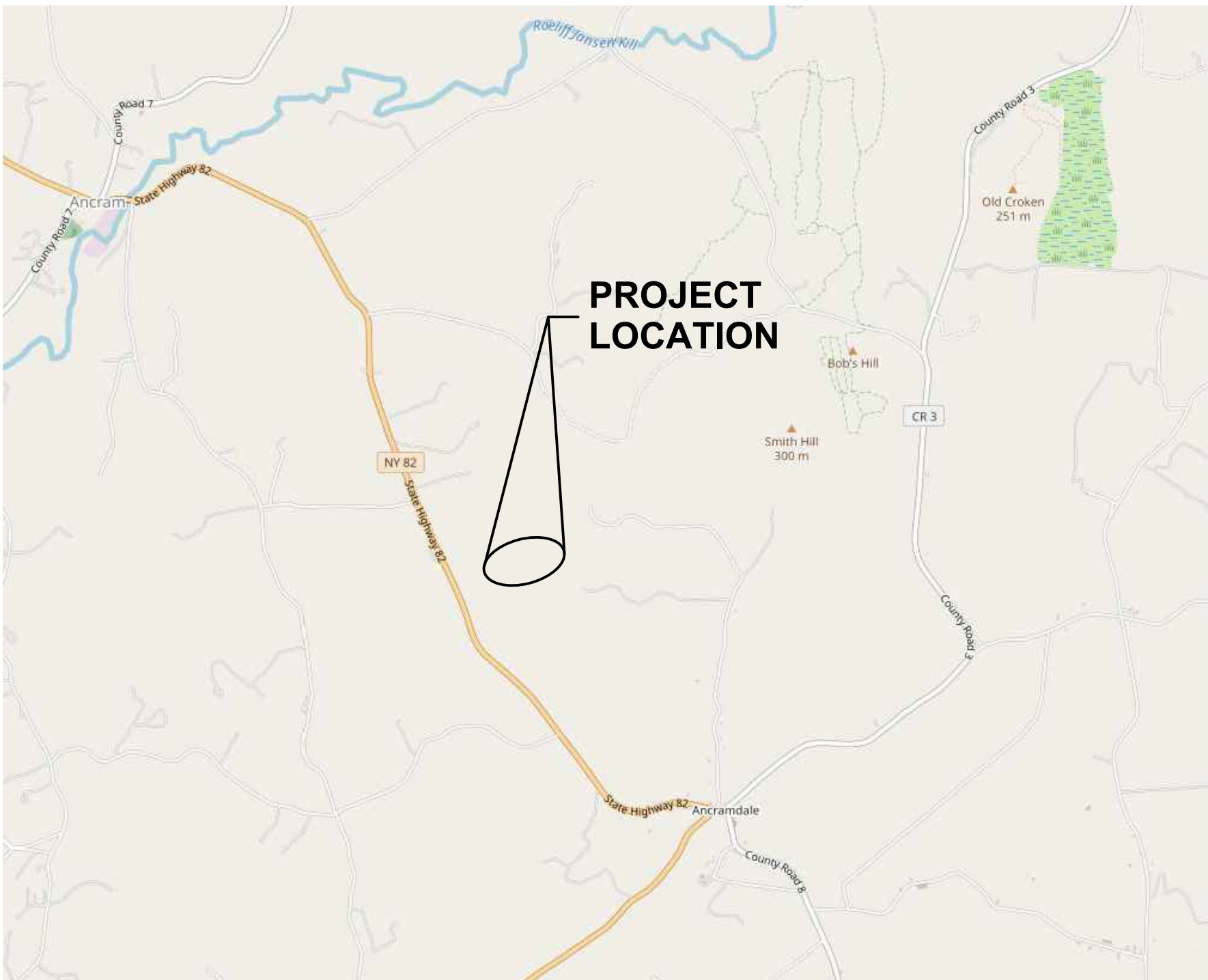


ANCRAM SOLAR
3333 ROUTE 82
ANCRAMDAL, NY 12503

SITE PLAN APPROVAL
SPECIAL USE PERMIT
NOVEMBER 2024



1 PROJECT LOCATION MAP
N.T.S.



2 PROJECT LOCATION MAP
N.T.S.



Centerpointe Corporate Park
375 Essjay Road, Suite 200
Williamsville, NY 14221
www.wendelcompanies.com
p:716.688.0766 f:716.625.6825

Wendel Project No. 607153

DRAWING INDEX	
DRAWING NUMBER	DRAWING TITLE
G001	COVERSHEET
C101	EXISTING CONDITIONS PLAN
C102-C103	SITE PREPARATION AND EROSION AND SEDIMENT CONTROL PLAN
C104	SOIL CONDITIONS MAP
C200	OVERALL SITE LAYOUT PLAN
C201-C202	SITE LAYOUT PLAN
C203	INTERCONNECTION AND DRIVEWAY PLAN
C301-C302	GRADING AND DRAINAGE PLAN AND ACCESS ROAD PROFILE
C401	SITE LANDSCAPE PLAN
C402	LANDSCAPE ENLARGEMENT PLAN
C403	LANDSCAPE SITE DETAILS
C501-C503	SITE DETAILS



Ancram PV, LLC
c/o RIC Development, LLC
17 State Street, Suite 2320
New York, NY 10004

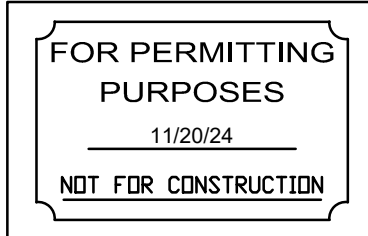
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Ancramdale, NY 12503



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Williamsville, NY 14221
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Wendel WD Architecture, Engineering, Surveying and
Landscape Architecture, P.C.

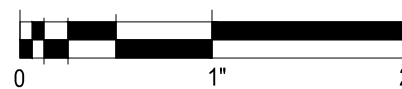


NOTE
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NO.	REVISIONS	DATE
A	SITE PLAN APPROVAL/SUP SUBMISSION	11/20/2024

DWG. TITLE

COVERSHEET



SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	11/20/2024
SCALE	AS NOTED
DWN.	NRF
CHK.	SAR
PROJ. No.	607153
DWG. No.	

G001

GENERAL EROSION & SEDIMENT CONTROL NOTES:

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) THROUGHOUT ALL PHASES OF CONSTRUCTION AS REQUIRED BY THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). ADDITIONAL BMP'S NOT SHOWN ON THIS PLAN SHALL BE IMPLEMENTED AS REQUIRED BY SITE CONDITIONS AND AS DIRECTED BY THE QUALIFIED INSPECTOR AS A RESULT OF WEEKLY OR BIWEEKLY CONSTRUCTION DURATION INSPECTIONS.
- BMP'S AND OTHER REQUIRED CONTROLS SHALL CONFORM TO FEDERAL, STATE OR LOCAL REQUIREMENTS OR MANUALS OF PRACTICE. AS APPLICABLE, CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES UNDERGROUND CONVEYANCE SYSTEMS OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THESE PLANS SHALL BE INITIATED AS SOON AS PRACTICABLE.
- ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14-DAYS OR MORE MUST BE TEMPORARILY STABILIZED WITH THE USE OF FAST-GERMINATING ANNUAL GRASS-GRAIN VARIETIES, STRAW-HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
- ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ACCUMULATED SEDIMENT IN ROADSIDE DRAINAGE SYSTEMS AS WELL AS ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE ONSITE STORM SEWER DRAINAGE SYSTEM IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE SOIL STOCKPILES AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- THE GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE PLANS (IF DIFFERENT FROM THOSE CURRENTLY SHOWN) INSIDE OF THE LIMITS OF DISTURBANCE FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- AREAS TO BE FILLED SHALL BE CLEARED AND STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
- ALL WATER PUMPED FROM EXCAVATIONS (DEWATERING) DEVICES INCLUDE, BUT ARE NOT LIMITED TO, SEDIMENT BAGS, PORTABLE SEDIMENT TANKS AND SEDIMENT TRAPS.

SEQUENCE OF CONSTRUCTION:

- CONDUCT A PRE-CONSTRUCTION MEETING, INSTALL STABILIZED CONSTRUCTION ENTRANCES/EXIT(S) AND IDENTIFY LOCATION OF PROJECT SWPPP.
- INSTALL PERIMETER CONTROLS (SILT FENCE / SILT SOCK) ON THE SITE. CLEAR ONLY TO THOSE AREAS NECESSARY TO INSTALL PERIMETER CONTROLS.
- STABILIZE ANY EXISTING DISTURBED AREAS WITHIN THE PROPERTY THAT ARE OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBANCE.
- ENGAGE A QUALIFIED PROFESSIONAL TO PERFORM AN INITIAL SITE INSPECTION AND ASSESSMENT. IMPLEMENT ANY ADDITIONAL CONTROLS RECOMMENDED IN SAID INSPECTION.
- ENGAGE A QUALIFIED INSPECTOR TO CONDUCT CONSTRUCTION DURATION INSPECTIONS ACCORDING TO THE SWPPP.
- CLEAR AND GRUB SITE WITHIN LIMITS OF CONSTRUCTION.
- STRIP AND STOCKPILE TOPSOIL.
- INSTALL TEMPORARY CONSTRUCTION ACCESS ROAD(S).
- BEGIN ROUGH GRADING AND MASS EXCAVATION ACTIVITIES.
- BEGIN INSTALLATION OF SOLAR ARRAYS.
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- INSTALL AND MAINTAIN ALL PRACTICES IN CONFORMANCE WITH THE PLANS, DETAILS, AND PROJECT SWPPP.
- TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
- INSTALL SOLAR PANELS.
- REMOVE TEMPORARY ACCESS ROADS AND APPLY SOIL RESTORATION PRACTICES PER SECTION 5.1.6 OF THE SWDM.
- INSTALL PERVIOUS GRAVEL ROADWAY.
- PERMANENTLY STABILIZE AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
- COMPLETE FINAL GRADING AND INSTALL LANDSCAPE PLANTINGS.
- RESTORE SOIL IN ACCORDANCE WITH SECTION 5.1.6 OF THE STORMWATER MANAGEMENT DESIGN MANUAL. FULL SOIL RESTORATION IS REQUIRED IN AREAS OF CUT OR FILL AND IN AREAS THAT HAVE BEEN IMPACTED BY CONSTRUCTION EQUIPMENT.
- OBTAIN CONCURRENCE WITH THE CONSTRUCTION MANAGER (CM) THAT THE SITE HAS BEEN FULLY STABILIZED THEN:
 - REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
 - STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMP'S
 - ASK THE CM TO CONTACT THE QUALIFIED INSPECTOR TO COMPLETE FINAL SITE INSPECTION AND REPORT ACCORDING TO THE SWPPP. VERIFY THAT CONSTRUCTION IS COMPLETE AND THAT THE SITE HAS ACHIEVED FINAL STABILIZATION. COMPLETE THE NOTICE OF TERMINATION (NOT) AND SUBMIT TO NYSDEC DIVISION OF WATER TO CLOSE THE PERMIT

NOTES TO THE CONTRACTOR:

- ALL SOIL EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN CONFORMANCE WITH THE PROJECT DETAILS & SPECIFICATIONS CONTAINED WITHIN THE LATEST REVISION OF THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR TO UTILIZE THE FOLLOWING EROSION CONTROL MEASURES AS NECESSARY AND AS DIRECTED BY A QUALIFIED INSPECTOR (OR QUALIFIED PROFESSIONAL) TO MINIMIZE SOIL EROSION AND SEDIMENT REMOVAL: SILT FENCE OR SILT SOCKS, CONSTRUCTION ENTRANCE, CHECK DAMS, SEDIMENT TRAPS, AND DUST CONTROL (WATERING).
- IMMEDIATELY DENOTE THE LOCATIONS OF THE FOLLOWING ITEMS ON THE SITE PLANS AFTER THEY ARE IMPLEMENTED AND INSTALLED AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS: TRAILERS, LAY DOWN AREAS, PORTA-POTTIES, WHEEL WASHES, CONCRETE WASHOUTS, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC.
- THE CONTRACTOR MAY ADJUST OR RELOCATE EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY THROUGHOUT CONSTRUCTION. CHANGES TO THESE MEASURES MUST BE IMMEDIATELY DENOTED IN THE PROJECT SWPPP AND ON THE SITE PLANS. CHANGES MADE TO THESE MEASURES MUST PROVIDE EQUAL OR GREATER MITIGATION TO THE AREA WHICH SAID MEASURES ARE INTENDED TO PROTECT ON THE SITE PLANS. THE CONTRACTOR MUST TAKE WHATEVER MEANS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE PROJECT SITE.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING A NEARBY LAYDOWN AND PARKING AREA ON-SITE. THE LAYDOWN AREA MUST AVOID WETLANDS, WETLAND BUFFERS, AND OTHER NATURAL RESOURCES. BEFORE DEMOBILIZATION, CONTRACTOR SHALL RESTORE THE LAYDOWN AREA TO EXISTING CONDITIONS.

INSPECTION FREQUENCY:

- AS REQUIRED BY THE GENERAL PERMIT, FOR CONSTRUCTION SITES WHERE SOIL DISTURBANCE ACTIVITIES ARE ON-GOING, THE QUALIFIED INSPECTOR SHALL CONDUCT A SITE INSPECTION AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS.
- FOR CONSTRUCTION SITES WHERE SOIL DISTURBANCE ACTIVITIES ARE ON-GOING AND THE OWNER OR OPERATOR HAS RECEIVED AUTHORIZATION IN ACCORDANCE WITH PART II.D.3 TO DISTURB GREATER THAN FIVE (5) ACRES OF SOIL AT ANY ONE TIME, THE QUALIFIED INSPECTOR SHALL CONDUCT AT LEAST TWO (2) SITE INSPECTIONS EVERY SEVEN (7) CALENDAR DAYS. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.

BEST MANAGEMENT PRACTICE MAINTENANCE:

- ALL BEST MANAGEMENT PRACTICES (INCLUDING EROSION AND SEDIMENT CONTROLS) SHOWN ON THIS PLAN, AND AS DESCRIBED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED INSPECTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY SO THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
 - SILT FENCE / SILT SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE OR SOCK (OR LESS IF IT INTERFERES WITH THE FUNCTIONALITY OF THE PRACTICE).
 - THE CONSTRUCTION ENTRANCES/EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
 - PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING PUBLIC STREETS SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

TEMPORARY VEGETATION SEED MIX:

IF SEASON IS SPRING, SUMMER, OR EARLY FALL: SEED WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (APPROX. 1 LB. PER 1,000 SQUARE FEET).

IF SEASON IS LATE FALL OR EARLY WINTER: SEED WITH CERTIFIED 'AROSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (APPROX. 2.5 LBS. PER 1,000 SQUARE FEET).

PHASING:

- A TYPICAL PHASING PLAN HAS BEEN PREPARED WHICH IDENTIFIES THE APPROXIMATE DISTURBED AREA PER PHASE. IF ANY CHANGES ARE MADE TO THIS PHASING PLAN, IT MUST BE TIED IN THE SWPPP AND UPDATED ON THE SITE PHASING PLAN. REFER TO FIGURE A OF THE PROJECT SWPPP.

SITE PREP NOTES:

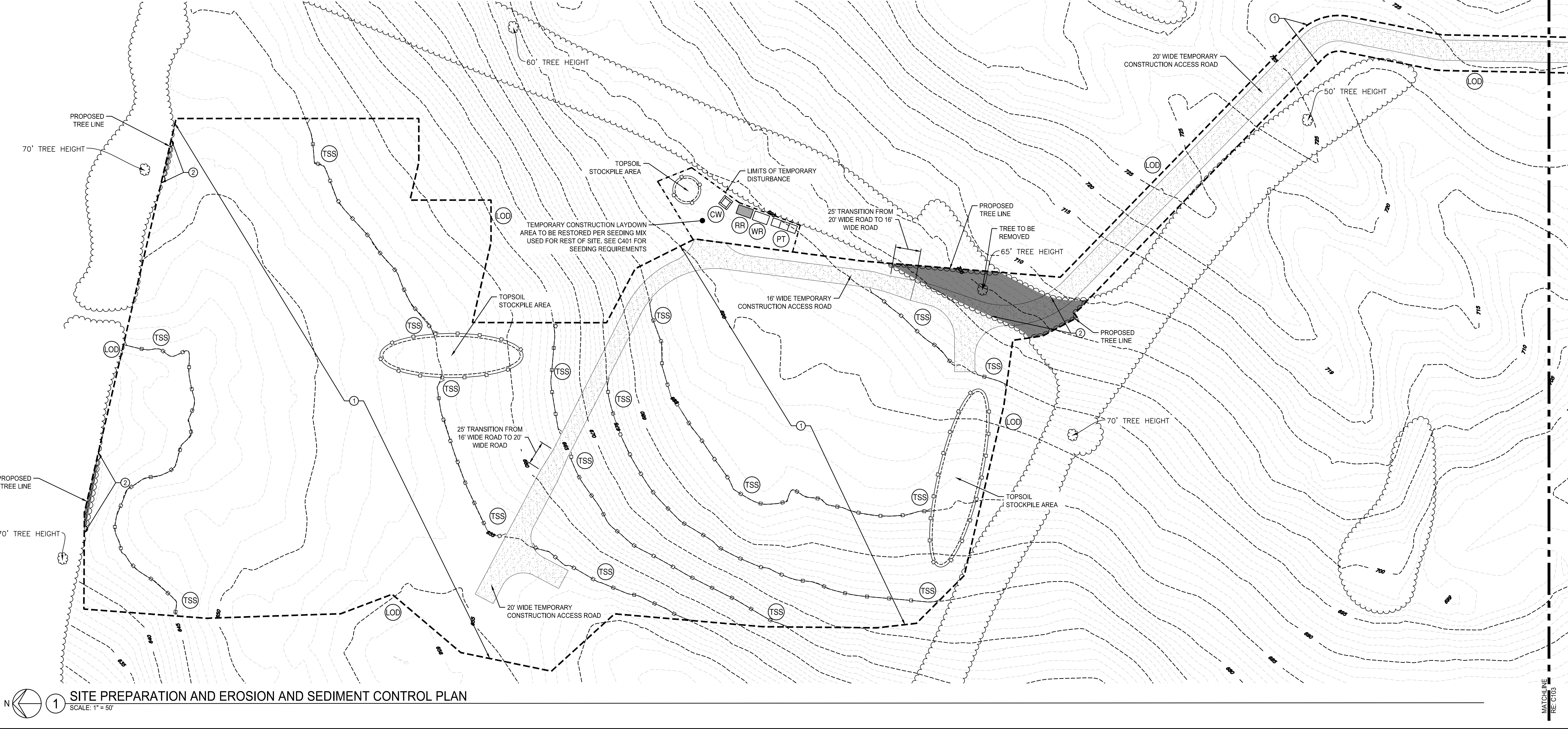
- SITE CLEARING AND GRUBBING TO EXTENTS OF LIMITS OF DISTURBANCE.
- REMOVE TREES, CLEAR AND GRUB UNDERSTORY VEGETATION.

LEGEND

PROPERTY LINE	---
SUB-PARCELS	----
EDGE OF VEGETATION/WOODS	~~~~~
STONEWALL	ooooo

SYMBOL LEGEND

---	LOD	= LIMITS OF DISTURBANCE = 9.92 ACRES
----		= LIMITS OF TEMPORARY DISTURBANCE = 0.13 ACRES
~~~~~	TSS	= TEMPORARY 12" COMPOST FILTER SOCK; RE: 5, C501.
ooooo	CE	= TEMPORARY STABILIZED CONSTRUCTION ENTRANCE; RE: 1, C501.
----	CW	= TEMPORARY CONCRETE WASHOUT; RE: 6, C501.
----	WR	= TEMPORARY WASTE RECEPTACLE
----	RR	= TEMPORARY RECYCLABLE MATERIALS RECEPTACLE
----	PT	= TEMPORARY PORTABLE TOILETS
~~~~~		= TEMPORARY CONSTRUCTION ACCESS ROAD; RE: 4, 501.
~~~~~		= TREE CLEARING LIMITS (APPROX. 0.2 ACRES)





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BEST MANAGEMENT PRACTICE MAINTENANCE:

- ALL BEST MANAGEMENT PRACTICES (INCLUDING EROSION AND SEDIMENT CONTROLS) SHOWN ON THIS PLAN, AND AS DESCRIBED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED INSPECTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY SO THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
  - SILT FENCE / SILT SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE OR SOCK (OR LESS IF IT INTERFERES WITH THE FUNCTIONALITY OF THE PRACTICE).
  - THE CONSTRUCTION ENTRANCES/EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
  - PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING PUBLIC STREETS SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

TEMPORARY VEGETATION SEED MIX:

IF SEASON IS SPRING, SUMMER, OR EARLY FALL; SEED WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (APPROX. 1 LB. PER 1,000 SQUARE FEET).

IF SEASON IS LATE FALL OR EARLY WINTER; SEED WITH CERTIFIED 'AROSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (APPROX. 2.5 LBS. PER 1,000 SQUARE FEET).

PHASING:

- A TYPICAL PHASING PLAN HAS BEEN PREPARED WHICH IDENTIFIES THE APPROXIMATE DISTURBED AREA PER PHASE. IF ANY CHANGES ARE MADE TO THIS PHASING PLAN, IT MUST BE NOTED IN THE SWPPP AND UPDATED ON THE SITE PHASING PLAN. REFER TO FIGURE IN APPENDIX A OF THE PROJECT SWPPP.

SITE PREP NOTES:

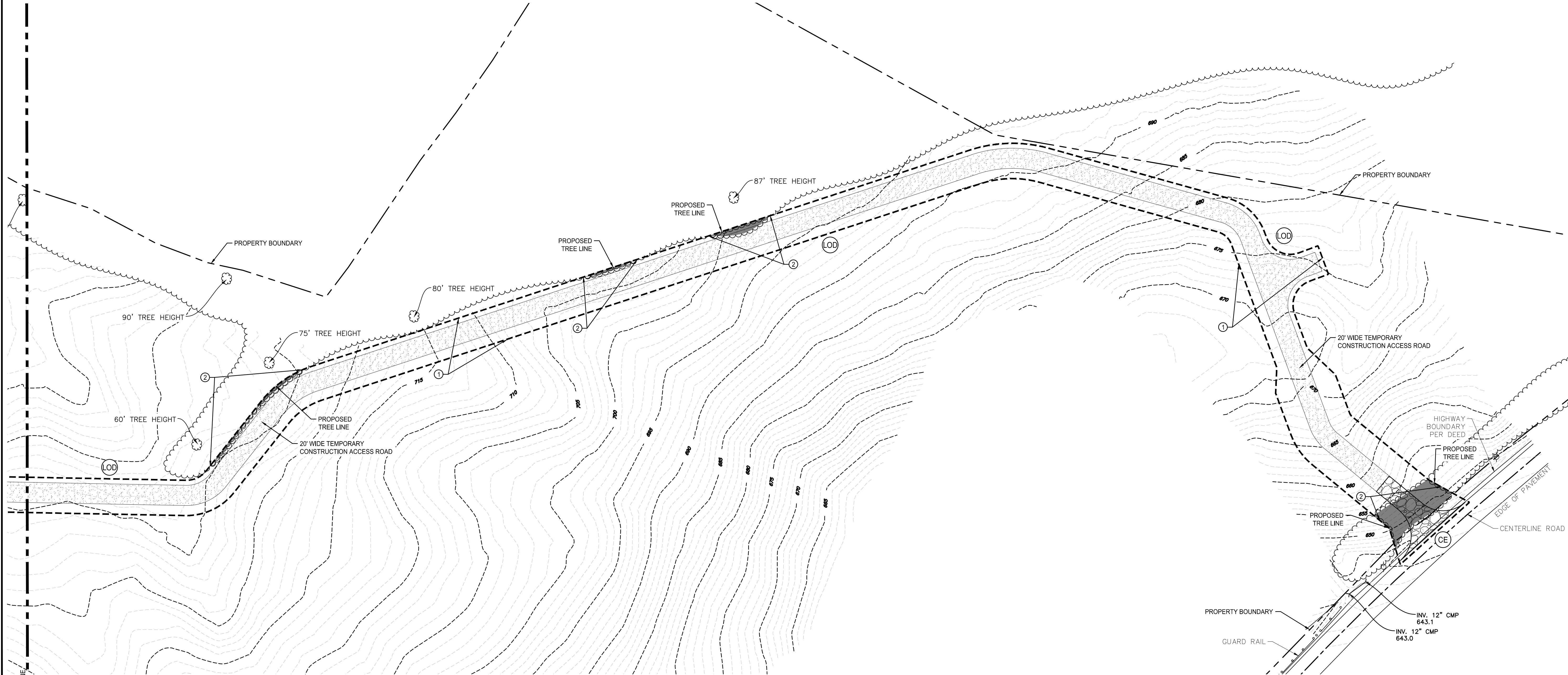
- SITE CLEARING AND GRUBBING TO EXTENTS OF LIMITS OF DISTURBANCE.
- REMOVE TREES, CLEAR AND GRUB UNDERSTORY VEGETATION.

LEGEND

PROPERTY LINE	---
SUB-PARCELS	---
EDGE OF VEGETATION/WOODS	~~~~~
STONEWALL	ooooo

SYMBOL LEGEND

---	LOD	= LIMITS OF DISTURBANCE = 9.92 ACRES
---		= LIMITS OF TEMPORARY DISTURBANCE = 0.13 ACRES
---	TSS	= TEMPORARY 12" COMPOST FILTER SOCK; RE: 5, C501.
---	CE	= TEMPORARY STABILIZED CONSTRUCTION ENTRANCE; RE: 1, C501.
---	CW	= TEMPORARY CONCRETE WASHOUT; RE: 6, C501.
---	WR	= TEMPORARY WASTE RECEPTACLE
---	RR	= TEMPORARY RECYCLABLE MATERIALS RECEPTACLE
---	PT	= TEMPORARY PORTABLE TOILETS
---		= TEMPORARY CONSTRUCTION ACCESS ROAD; RE: 4, 501.
---		= TREE CLEARING LIMITS (APPROX. 0.2 ACRES)



1 SITE PREPARATION AND EROSION AND SEDIMENT CONTROL PLAN  
SCALE: 1" = 50'

Ancram PV, LLC  
c/o RIC Development, LLC  
17 State Street, Suite 2320  
New York, NY 10004

**ANCRAM SOLAR**

3333 State Route 82  
Ancramdale, NY 12503

Centerpointe Corporate Park  
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Williamsville, NY 14221  
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Wendel WD Architecture, Engineering, Surveying and  
Landscape Architecture, P.C.

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NO.	REVISIONS	DATE
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SITE PREPARATION  
AND EROSION AND  
SEDIMENT CONTROL PLAN

GENERIC SCALE BAR  
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.  
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 11/20/2024

SCALE AS NOTED

DWN. KCS CHK. SAR

PROJ. No. 607153

DWG. No.



LAND TYPE	ACREAGE WITHIN PARCEL	ACREAGE WITHIN LIMITS OF DISTURBANCE (LOD)	PERCENTAGE OF EACH LAND TYPE WITHIN LOD	PERCENTAGE OF OVERALL PARCEL WITHIN LOD
FARMLAND OF STATEWIDE IMPORTANCE	51.95	4.61	8.87%	4.86%
PRIME FARMLAND	7.51	2.87	38.22%	3.03%
NOT PRIME FARMLAND	35.32	2.40	6.80%	2.53%
TOTAL ACRES	94.78	9.92	—	—

SOILS CLASSIFICATION TABLE			
SOIL SYMBOL	SOIL NAME	AREA (AC)	LAND CLASSIFICATION
BIB	BLASDELL CHANNERY LOAM, 3% TO 8% SLOPES	0.01	PRIME FARMLAND
BIC	BLASDELL CHANNERY LOAM, ROLLING	9.24	FARMLAND OF STATEWIDE IMPORTANCE
BID	BLASDELL CHANNERY LOAM, HILLING	4.19	NOT PRIME FARMLAND
FaC	FARMINGTON SILT LOAM, ROLLING, VERY ROCKY	8.89	NOT PRIME FARMLAND
NbC	NASSAU CHANNERY SILT LOAM, ROLLING, VERY ROCKY	4.76	NOT PRIME FARMLAND
SIB	STOCKBRIDGE SILT LOAM, 3% TO 8% SLOPES	7.50	PRIME FARMLAND
SuC	STOCKBRIDGE-FARMINGTON SILT LOAMS, ROLLING	42.71	FARMLAND OF STATEWIDE IMPORTANCE
SvD	STOCKBRIDGE-FARMINGTON SILT LOAMS, HILLING, VERY ROCKY	17.48	NOT PRIME FARMLAND

SOILS LEGEND:

FARMLAND OF STATEWIDE IMPORTANCE	
PRIME FARMLAND	
NOT PRIME FARMLAND	
PROPERTY LINE	
EDGE OF VEGETATION/WOODS	
LIMITS OF DISTURBANCE	

GENERAL NOTES:

- LOCATION AND DESCRIPTION OF SOILS WERE ACQUIRED THROUGH THE WEB SOIL SURVEY WEBSITE AS HOSTED BY THE USDA NATIONAL RESOURCES CONSERVATION SERVICE (NRCS).
- PROJECT PARCEL INFORMATION:  
REPUTED OWNER - JAMES P. MILLER & JANICE M. MILLER  
SBL: 214.-1-25.4  
ACREAGE = ± 94.78 AC
- CURRENT AGRICULTURAL USE FOR THE PARCEL IS CORN.
- PER LANDOWNER, NO TILE DRAIN LOCATIONS ARE PRESENT ON SITE. IF ENCOUNTERED, CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED DRAIN TILES DUE TO CONSTRUCTION OF THE PROJECT.

Ancram PV, LLC  
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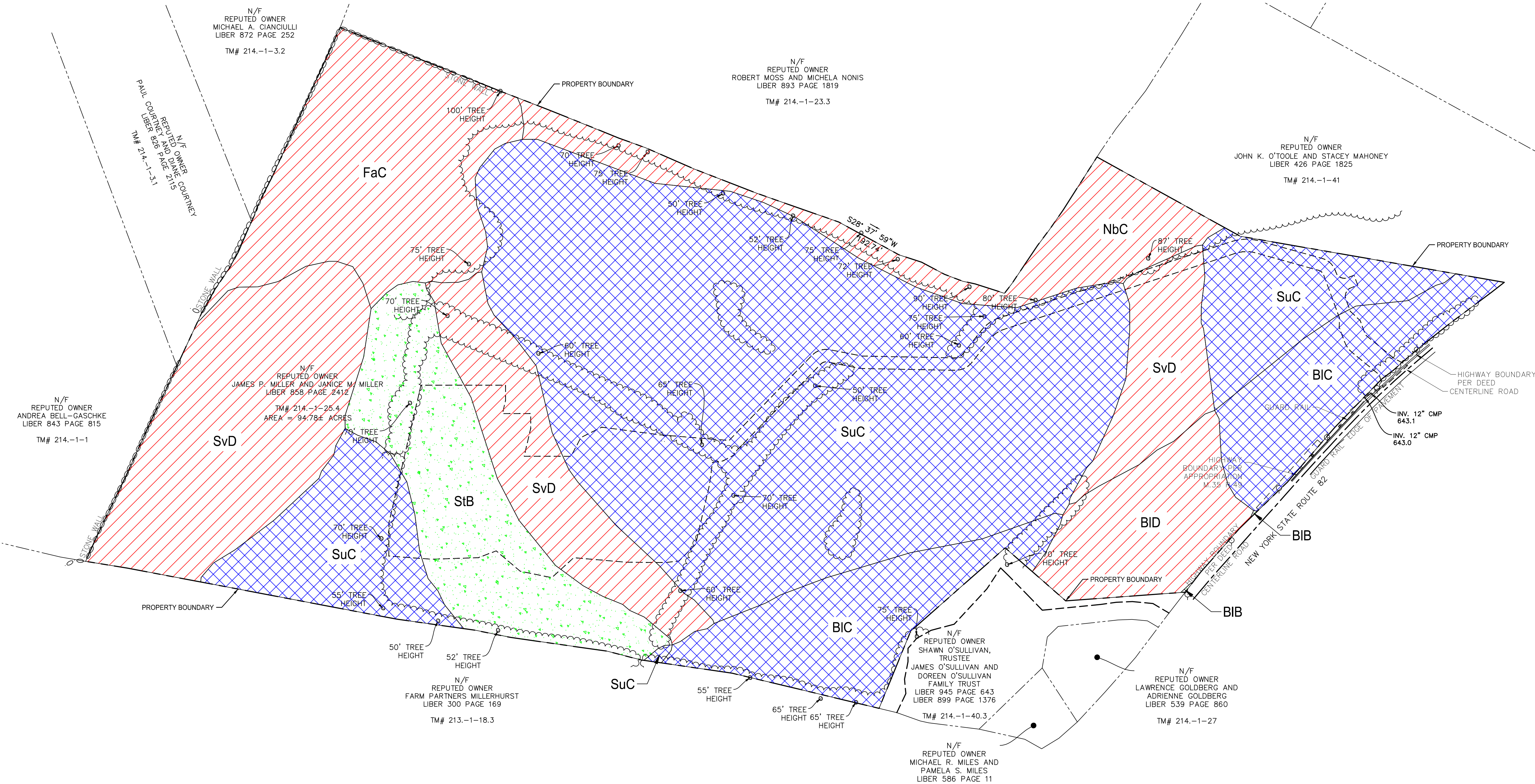
NO.		REVISIONS	DATE
A		SITE PLAN APPROVAL/SUP SUBMISSION	11/20/2024

SOIL CONDITIONS MAP

GENERIC SCALE BAR  
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.  
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DATE 11/20/2024  
SCALE AS NOTED  
DWN. KCS CHK. SAR  
PROJ. No. 607153  
DWG. No.

C104

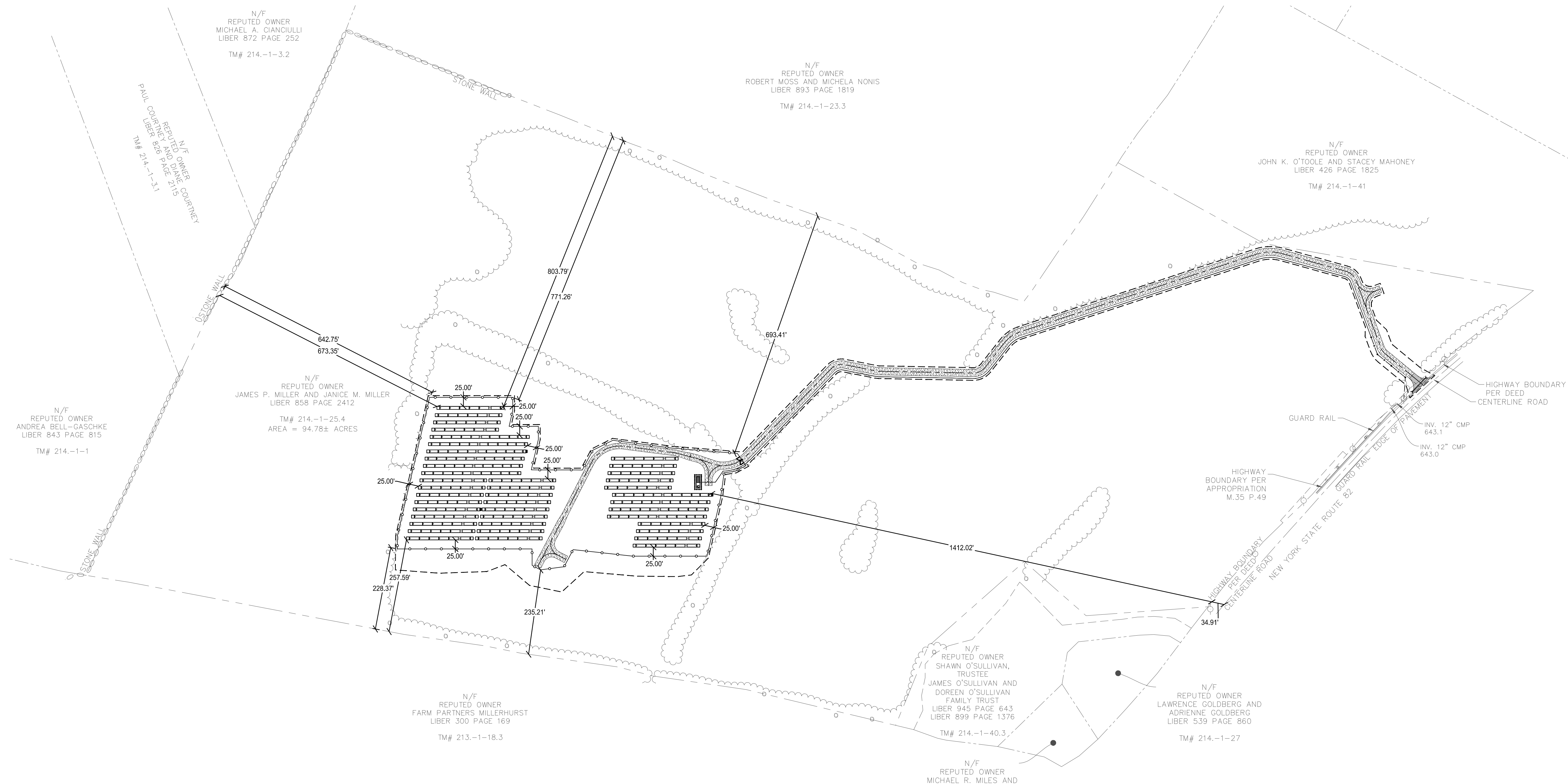




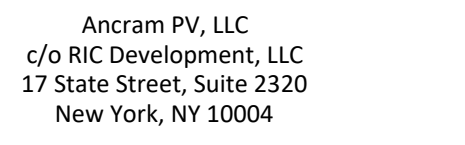
1. THIS DRAWING IS TO SHOW THE ENTIRE PARCEL ON WHICH THE PROJECT SITE IS LOCATED. SEE SHEETS C201 AND C202 FOR ENLARGED SITE PLAN. SEE SHEET C203 FOR INTERCONNECTION AND DRIVEWAY INFORMATION.

LIMITED USE PERVIOUS ACCESS ROAD	
IMPERVIOUS ACCESS ROAD ENTRANCE	
ACCESS ROAD CENTERLINE	
PROPERTY LINE	
EDGE OF VEGETATION/WOODS	
LIMITS OF DISTURBANCE	
PROPOSED WILDLIFE FRIENDLY FENCE	

<u>PROPERTY LOCATION:</u> 3333 STATE ROUTE 52 ANCRAMDALE, COLUMBIA COUNTY, NEW YORK		
<u>LOT AREA:</u> 94.78 AC.		
<u>CURRENT ZONING:</u> AG - AGRICULTURE DISTRICT		
<u>EXISTING USE:</u> AGRICULTURAL FIELD (CORN)		
<u>PROPOSED USE:</u> SOLAR FACILITY		
<u>LOT REQUIREMENTS:</u>	<u>REQUIRED</u>	<u>PROPOSED</u>
FRONT SETBACK (MIN.)	50 FT	1446.93 FT
EAST SIDE SETBACK (MIN.)	100 FT	803.79 FT
WEST SIDE SETBACK (MIN.)	100 FT	257.59 FT
REAR SETBACK (MIN.)	100 FT	673.35 FT
LOT WIDTH AT FRONT SETBACK (MIN.)	50 FT	1349.06 FT
<u>MAXIMUM STRUCTURE HEIGHT:</u>	15 FT	12 FT



N  **1** OVERALL SITE LAYOUT PLAN  
SCALE: 1" = 150'



3333 State Route 82  
Ancramdale, NY 12503



FOR PERMITTING  
PURPOSES  
11/20/24  
NOT FOR CONSTRUCTION

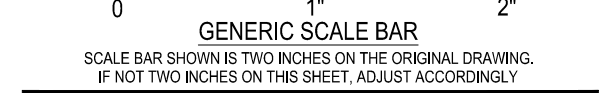


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A	SITE PLAN APPROVAL/SUP SUBMISSION	11/20/2024
NO.	REVISIONS	DATE

DWG. TITLE

## OVERALL SITE LAYOUT PLAN



DATE	11/20/2024		
SCALE	AS NOTED		
DWN.	KCS	CHK.	SAR
PROJ. No.	607153		
DWG. No.			

## C200



1. TOPSOIL SAMPLING, STOCKPIILING, SPREADING, SEEDING AND SITE RESTORATION IS TO BE PERFORMED IN ACCORDANCE WITH THE NYS DEPARTMENT OF AGRICULTURE & MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS CONSTRUCTION MITIGATION, REVISED 10/18/2019.
2. TOPSOIL SHALL BE STRIPPED AND STOCKPILED SEPARATELY FOR ALL OPEN-CUT TRENCHING OPERATIONS.
3. THE CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK (UDIG NY OR CALL 811) PRIOR TO CONSTRUCTION.
4. ALL BURIED UTILITIES LOCATED WITHIN THE GENERATION FACILITY'S SECURITY FENCE MUST HAVE A MINIMUM DEPTH OF 18" COVER IF BURIED IN A CONDUIT AND A MINIMUM DEPTH OF 24" OF COVER IF DIRECTLY BURIED.
5. THERE SHALL BE A DESIGNATED ENVIRONMENTAL MONITOR ON SITE WHENEVER CONSTRUCTION OR RESTORATION WORK IS OCCURRING ON AGRICULTURAL LAND. COORDINATION WITH THE NYS/DAM, DIVISION OF LAND AND WATER RESOURCES, IS REQUIRED TO DEVELOP A SCHEDULE FOR INSPECTIONS AND ENSURE COMPLIANCE WITH THE DEPARTMENT'S CURRENT GUIDELINES.

1. DESIGNED USING THE 2020 INTERNATIONAL FIRE CODE APPENDIX D FIRE APPARATUS ACCESS ROAD GUIDELINES.
2. THE LIMITED USE PERVIOUS ACCESS ROAD IS NOT TO BE USED DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY CONSTRUCTION ACCESS ROAD AND DECOMPACTING THE SUBGRADE SOILS PRIOR TO THE INSTALLATION OF THE LIMITED USE PERVIOUS ACCESS ROAD.
3. THE LIMIT OF DISTURBANCE SHOWN ON THESE PLANS IS  $\pm 9.92$  ACRES AND ENCOMPASSES THE PROJECT'S PROPOSED FEATURES. THESE FEATURES INCLUDE: THE PERVIOUS ACCESS ROAD AND ASSOCIATED GRADING, INSTALLATION OF PANELS AND ASSOCIATED GRADING, CONCRETE TRANSFORMER PADS, UNDERGROUND COLLECTION LINE, SOLAR ARRAY POLE FOUNDATIONS, AND FENCE POST FOUNDATIONS.
4. SOILS ON-SITE WILL BE RE-SEEDING AND AMENDED TO THEIR ORIGINAL CONDITION AFTER DECOMMISSIONING.
5. ANY EXISTING TILE DRAIN LOCATIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED DRAIN TILES DUE TO CONSTRUCTION OF THE PROJECT.
6. PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE THAT ARE EXCAVATED DURING CONSTRUCTION WILL REMAIN ON-SITE PER NYS DAM REQUIREMENTS. ALL NYS DAM REQUIREMENTS MUST BE MET.

LIMITED USE PERVIOUS ACCESS ROAD	
IMPERVIOUS ACCESS ROAD ENTRANCE	
ACCESS ROAD CENTERLINE	
PROPERTY LINE	
EDGE OF VEGETATION/WOODS	
LIMITS OF DISTURBANCE	
PROPOSED WILDLIFE FRIENDLY FENCE	

1. LIMITED USE PERVIOUS ACCESS ROAD;  
RE. DETAILS 1, 2, AND 3 ON DRAWING C503.
2. WILDLIFE FRIENDLY FENCE; RE. DETAIL 1, C502.
3. WILDLIFE FRIENDLY GATE; RE. DETAIL 1, C502.
4. SOLAR ARRAY MODULE, TYP; RE. DETAIL 2, C501.
5. TRANSFORMER PAD; RE. DETAIL 7, C501.

<u>PROPERTY LOCATION:</u> 3333 STATE ROUTE 82 ANCRAMDALE, COLUMBIA COUNTY, NEW YORK		
<u>LOT AREA:</u>	94.78 AC.	
<u>CURRENT ZONING:</u>	AG - AGRICULTURE DISTRICT	
<u>EXISTING USE:</u>	AGRICULTURAL FIELD (CORN)	
<u>PROPOSED USE:</u>	SOLAR FACILITY	
<u>LOT REQUIREMENTS:</u>	<u>REQUIRED</u>	<u>PROPOSED</u>
FRONT SETBACK (MIN.)	50 FT	1446.93 FT
EAST SIDE SETBACK (MIN.)	100 FT	803.79 FT
WEST SIDE SETBACK (MIN.)	100 FT	257.59 FT
REAR SETBACK (MIN.)	100 FT	673.35 FT
LOT WIDTH AT FRONT SETBACK (MIN.)	50 FT	1349.06 FT
<u>MAXIMUM STRUCTURE HEIGHT:</u>	15 FT	12 FT

LAT	42.030644
LONG	-73.606538
ILR	1.4
SYSTEM SIZE (DC)	1,343 kW
SYSTEM SIZE (AC)	957 kW
MODULE TYPE	Q.TRON XL-G2-BFG (635 W)
QUANTITY	2,116 (92 strings)
MODULES PER STRING	23
INVERTER TYPE	Sungrow SG350HX
QUANTITY	3
SOLAR TRACKER TYPE	TRACKER 1P
DIMENSIONS OF THE TRACKER ( 3 strings & 2 strings) (LxWxH)	(3s) 273'-8" x 8'-1" x 5'-8" (2s) 184'-3" x 8'-1" x 5'-8"
TILT ANGLE	±60°
PITCH	20'
FENCE LENGTH	2,825'
ACCESS ROAD LENGTH	3,026'
TOTAL MV LINE LENGTH	2,395'
TOTAL AREA OF DISTURBANCE	9.92 AC
ADDRESS	3333 State Route 82, Ancramdale, NY 12503





1. TOPSOIL SAMPLING, STOCKPILING, SPREADING, SEEDING AND SITE RESTORATION IS TO BE PERFORMED IN ACCORDANCE WITH THE NYS DEPARTMENT OF AGRICULTURE & MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS CONSTRUCTION MITIGATION, REVISED 10/18/2019.
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4. ALL BURIED UTILITIES LOCATED WITHIN THE GENERATION FACILITY'S SECURITY FENCE MUST HAVE A MINIMUM DEPTH OF 18" COVER IF BURIED IN A CONDUIT AND A MINIMUM DEPTH OF 24" OF COVER IF DIRECTLY BURIED.
5. THERE SHALL BE A DESIGNATED ENVIRONMENTAL MONITOR ON SITE WHENEVER CONSTRUCTION OR RESTORATION WORK IS OCCURRING ON AGRICULTURAL LAND. COORDINATION WITH THE NYS DAM, DIVISION OF LAND AND WATER RESOURCES, IS REQUIRED TO DEVELOP A SCHEDULE FOR INSPECTIONS AND ENSURE COMPLIANCE WITH THE DEPARTMENT'S CURRENT GUIDELINES.

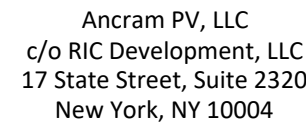
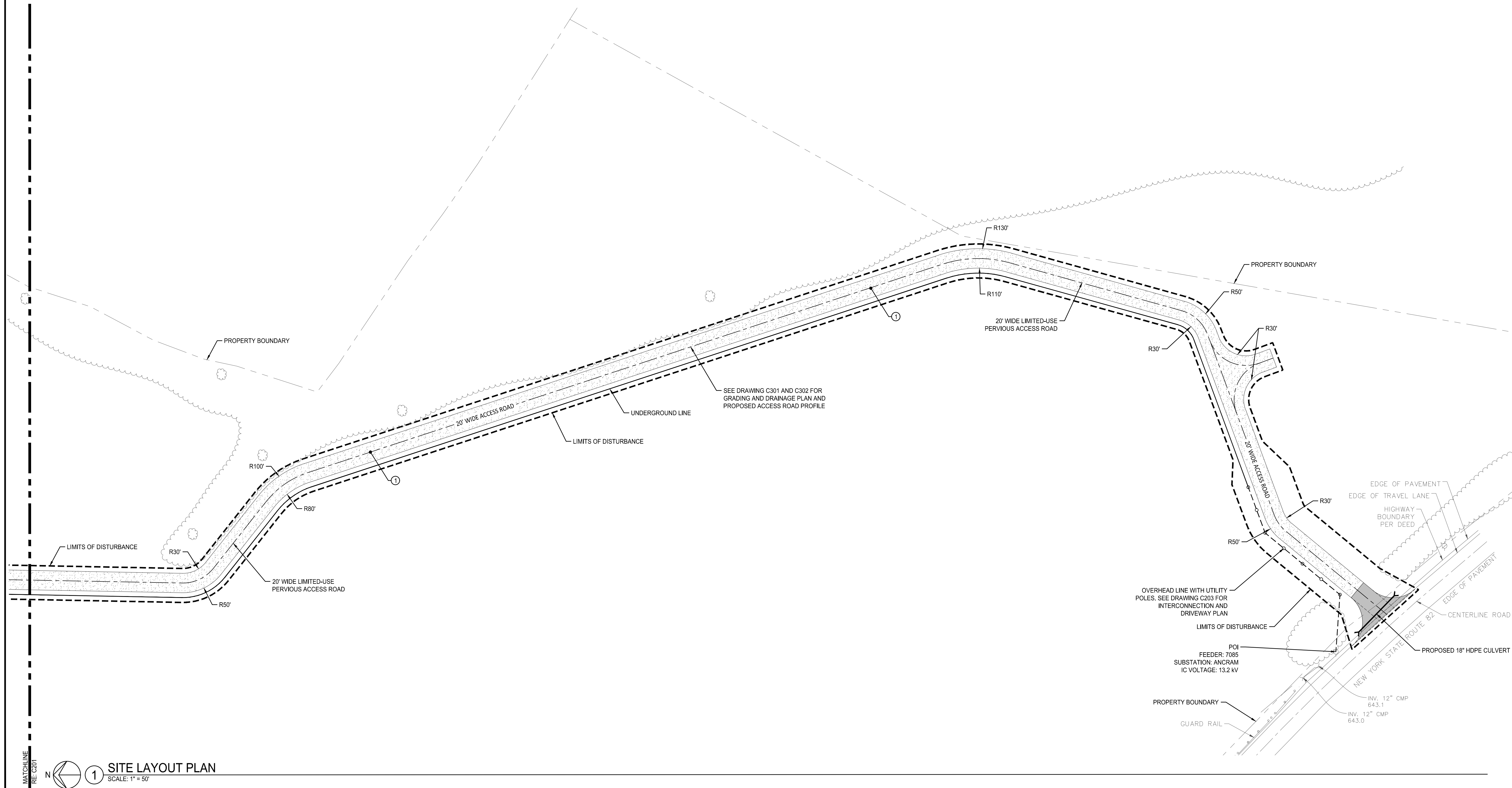
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3. THE LIMIT OF DISTURBANCE SHOWN ON THESE PLANS IS  $\pm 9.92$  ACRES AND ENCOMPASSES THE PROJECT'S PROPOSED FEATURES. THESE FEATURES INCLUDE: THE PERVIOUS ACCESS ROAD AND ASSOCIATED GRADING, INSTALLATION OF PANELS AND ASSOCIATED GRADING, CONCRETE TRANSFORMER PADS, UNDERGROUND COLLECTION LINE, SOLAR ARRAY POLE FOUNDATIONS, AND FENCE POST FOUNDATIONS.
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LIMITED USE PervIOUS ACCESS ROAD	
IMPERVIOUS ACCESS ROAD ENTRANCE	
ACCESS ROAD CENTERLINE	
PROPERTY LINE	
EDGE OF VEGETATION/WOODS	
LIMITS OF DISTURBANCE	
PROPOSED WILDLIFE FRIENDLY FENCE	

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<b>PROPERTY LOCATION:</b> 3333 STATE ROUTE 82 ANCRAMDALE, COLUMBIA COUNTY, NEW YORK	
<b><u>LOT AREA:</u></b>	94.78 AC.
<b><u>CURRENT ZONING:</u></b>	AG - AGRICULTURE DISTRICT
<b><u>EXISTING USE:</u></b>	AGRICULTURAL FIELD (CORN)
<b><u>PROPOSED USE:</u></b>	SOLAR FACILITY
<b><u>LOT REQUIREMENTS:</u></b>	<b><u>REQUIRED</u></b>
FRONT SETBACK (MIN.)	50 FT
EAST SIDE SETBACK (MIN.)	100 FT
WEST SIDE SETBACK (MIN.)	100 FT
REAR SETBACK (MIN.)	100 FT
LOT WIDTH AT FRONT SETBACK (MIN.)	50 FT
<b><u>MAXIMUM STRUCTURE HEIGHT:</u></b>	15 FT

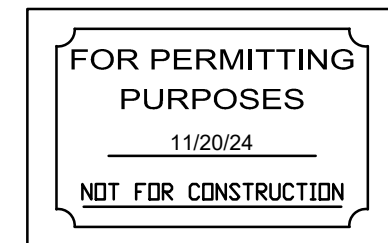
LAT	42.030644
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DIMENSIONS OF THE TRACKER ( 3 strings & 2 strings) (LxWxH)	(3s) 273'-8" x 8'-1" x 5'-8" (2s) 184'-3" x 8'-1" x 5'-8"
TILT ANGLE	±60°
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ACCESS ROAD LENGTH	3,026'
TOTAL MV LINE LENGTH	2,395'
TOTAL AREA OF DISTURBANCE	9.92 AC
ADDRESS	3333 State Route 82, Ancramdale, NY 12503



3333 State Route 82  
Ancramdale, NY 12503



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Landscape Architecture, P.C.



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A	SITE PLAN APPROVAL/SUP SUBMISSION	11/20/2024
NO.	REVISIONS	DATE

DWG. TITLE

0 1" 2"

**GENERIC SCALE BAR**

SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.  
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

11/20/2024

AS NOTED		
KCS	CHK.	SAR

d. 607153

C202



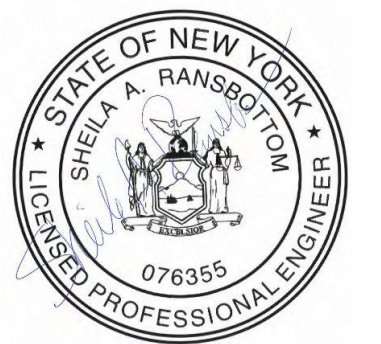
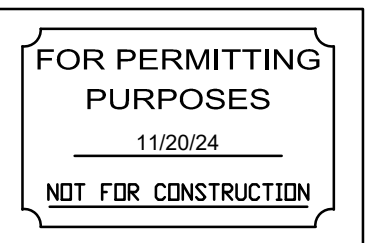


The diagram illustrates a 12.47 kV distribution line layout. It features a horizontal line representing the distribution line, with eight vertical poles positioned along it. The poles are labeled with circled numbers 1 through 8 from right to left. The spacing between the poles is indicated by horizontal dimension lines with arrows. The spacing between poles 1 and 2 is 60.00'. The spacing between poles 2 and 3 is 25.00'. The spacing between poles 3 and 4 is 25.00'. The spacing between poles 4 and 5 is 25.00'. The spacing between poles 5 and 6 is 25.00'. The spacing between poles 6 and 7 is 25.00'. The spacing between poles 7 and 8 is 25.00'. A legend on the right side of the diagram identifies the pole types corresponding to the circled numbers:

- ① POI
- ② UTILITY TRANSITION POLE
- ③ UTILITY RECLOSER POLE
- ④ UTILITY TRANSITION POLE
- ⑤ CUSTOMER POLE WITH UTILITY METERING
- ⑥ CUSTOMER GOAB POLE
- ⑦ CUSTOMER RECLOSER POLE
- ⑧ CUSTOMER RISER POLE

LEGEND:

LIMITED USE PERVIOUS ACCESS ROAD	
IMPERVIOUS ACCESS ROAD ENTRANCE	
ACCESS ROAD CENTERLINE	
PROPERTY LINE	
EDGE OF VEGETATION/WOODS	
LIMITS OF DISTURBANCE	
PROPOSED UNDERGROUND LINE	
PROPOSED OVERHEAD LINE	
PROPOSED UTILITY POLE	
EXISTING UTILITY POLE	



NOTE:  
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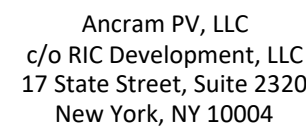
A	SITE PLAN APPROVAL/SUP SUBMISSION	11/20/2024
NO.	REVISIONS	DATE

DWG. TITLE

DATE	11/20/2024		
SCALE	AS NOTED		
DWN.	KCS	CHK.	SAR
PROJ. No.	607153		
DWG. No.			

**C203**





3333 State Route 82  
Ancramdale, NY 12503



Wendel WD Architecture, Engineering, Surveying and  
Landscape Architecture, P.C.

## 11/20/24

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NO.	REVISIONS	DATE

DWG. TITLE

**GENERIC SCALE BAR**  
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SCALE AS NOTED

DVN. NRE

PROJ. No. 607152

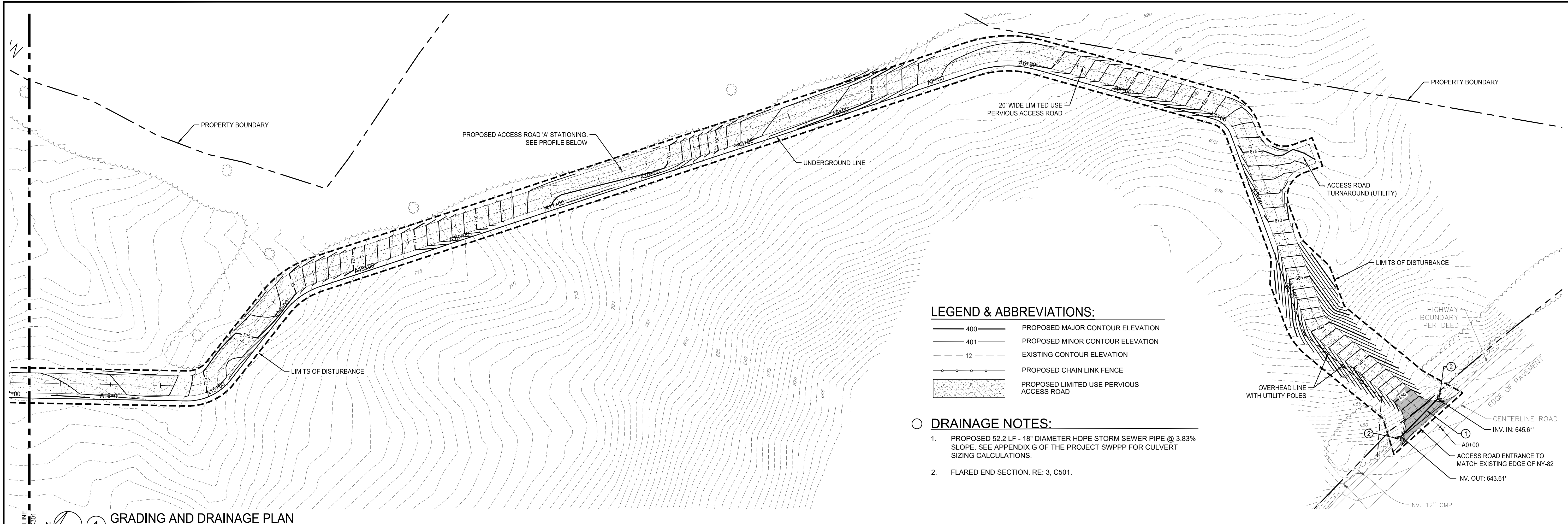
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**C301**



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#### LEGEND & ABBREVIATIONS:

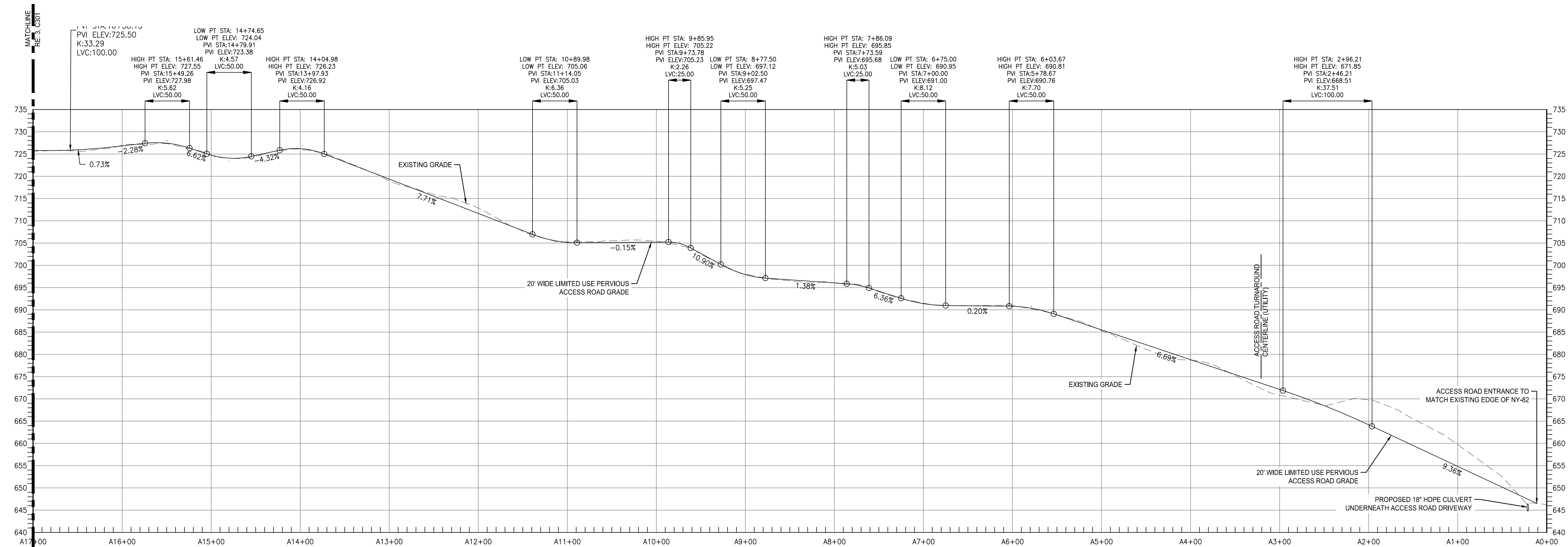
- 400 PROPOSED MAJOR CONTOUR ELEVATION
- 401 PROPOSED MINOR CONTOUR ELEVATION
- 12 EXISTING CONTOUR ELEVATION
- PROPOSED CHAIN LINK FENCE
- PROPOSED LIMITED USE PERVIOUS ACCESS ROAD

#### DRAINAGE NOTES:

- PROPOSED 52.2 LF - 18" DIAMETER HDPE STORM SEWER PIPE @ 3.83% SLOPE. SEE APPENDIX G OF THE PROJECT SWPPP FOR CULVERT SIZING CALCULATIONS.
- FLARED END SECTION. RE: 3, C501.

#### 1 GRADING AND DRAINAGE PLAN

SCALE: 1" = 50'



#### 2 ACCESS ROAD PROFILE 'A' - STA. A00+00 TO STA. A17+00

SCALE: H: 1"=60'  
V: 1"=10'



Ancram PV, LLC  
c/o RIC Development, LLC  
17 State Street, Suite 2320  
New York, NY 10004

#### ANCRAM SOLAR

3333 State Route 82  
Ancramdale, NY 12503



Centerpointe Corporate Park  
375 Essay Road, Suite 200  
Williamsville, NY 14221  
www.wendelcompanies.com  
p:716.688.0766 f:716.625.6825

Wendel WD Architecture, Engineering, Surveying and  
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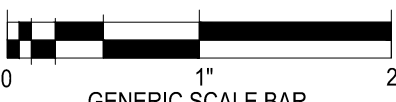


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#### GRADING AND DRAINAGE PLAN AND ACCESS ROAD PROFILE



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SCALE AS NOTED  
DWN. NRF CHK. SAR  
PROJ. No. 607153  
DWG. No.

C302



1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLAN PRIOR TO BIDDING.
2. UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS SHALL RECEIVE MIN. 4" TOPSOIL, BE FINE GRADED, AND SEEDED. FOLLOW ALL SEED SUPPLIER'S RECOMMENDATIONS FOR SITE PREPARATION APPLICATION, AND ESTABLISHMENT OF SEED.
3. POLLINATOR SEED MIX SHALL BE "NORTHEAST SOLAR POLLINATOR 3" MIX" (ITEM No. ERNMX-612) BY ERMN SEEDS, OR ACCEPTABLE EQUIVALENT.
4. TURF RESTORATION SEED MIX SHALL BE "LOW GROW FESCUE" BY PREFERRED SEED, OR ACCEPTABLE EQUIVALENT.
5. CONTRACTOR SHALL INSPECT AND MAINTAIN ALL PLANTINGS INCLUDING GRASSES AND PERENNIALS FOR THE ENTIRETY OF THE GUARANTEE PERIOD: 18 MONTHS. AT THE END OF THE GUARANTEE PERIOD OWNER SHALL TRIM ONCE PER YEAR IN SPRING TO MANAGE WOODY GROWTH: TRIM PREVIOUS YEAR'S GROWTH TO 2" HEIGHT BEFORE NEW SPRING GROWTH REACHES 2" HEIGHT.
6. PLANT PIT BACKFILL FOR TREES AND SHRUBS SHALL BE PLANTING SOIL MIX. REFER TO SPECIFICATIONS FOR PLANTING SOIL MIX COMPOSITION.
7. ALL PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION; HEALTHY AND DISEASE FREE, AND BE TYPICAL OF THE SPECIES. PLANTS SHALL COMPLY WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE LATEST EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
8. ALL PLANT LOCATIONS ARE APPROXIMATE. ADJUSTMENTS MAY BE NECESSARY TO AVOID CONFLICTS. INFORM LANDSCAPE ARCHITECT OF POTENTIAL CONFLICTS AND COORDINATE WITH LANDSCAPE ARCHITECT TO ADJUST PLANT LOCATIONS AS NECESSARY.

LIMITED USE PERVIOUS ACCESS ROAD	
IMPERVIOUS ACCESS ROAD ENTRANCE	
ACCESS ROAD CENTERLINE	
PROPERTY LINE	
EDGE OF VEGETATION/WOODS	
LIMITS OF DISTURBANCE	
PROPOSED WILDLIFE FRIENDLY FENCE	

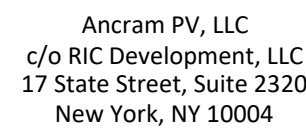
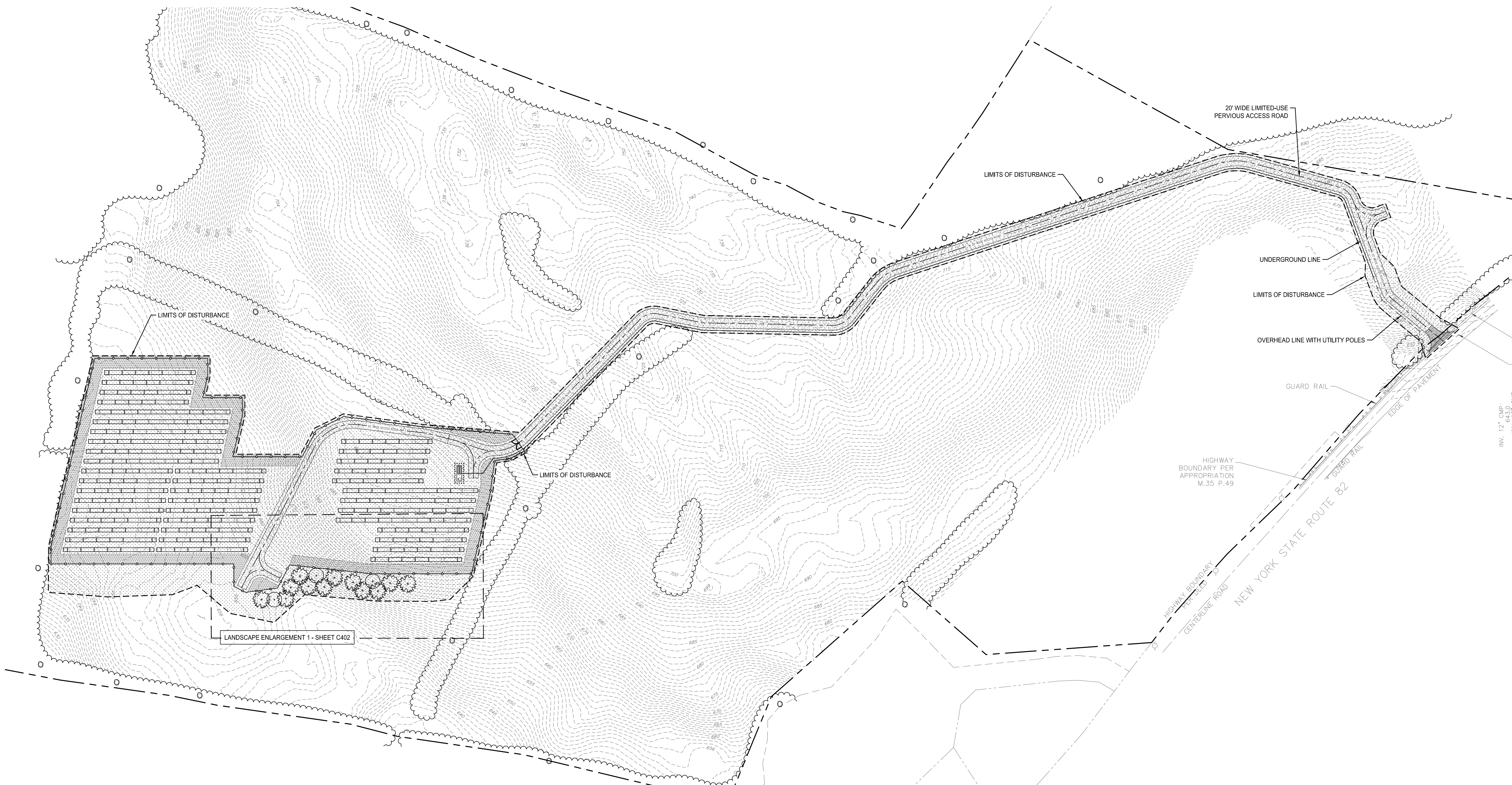
POLLINATOR SEED MIX  
PER LANDSCAPE NOTES

TURF RESTORATION SEED  
MIX PER LANDSCAPE NOTES

DECIDUOUS TREE

EVERGREEN TREE

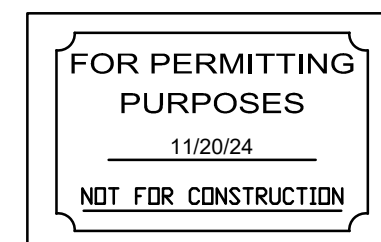
DECIDUOUS SHRUB



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DWS, TITL

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SCALE AS NOTED

DWN. BD1 CHK. DIK

PROJ. No. 607153

DV/G. No.

# C401



QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE & SPECIFICATIONS	5 Yr. HEIGHT	10 Yr. HEIGHT	20 Yr. HEIGHT
TREES							
2	AR	<i>Acer rubrum</i>	red maple	2 1/2" Caliper	12' - 15' HEIGHT	20' - 30' HEIGHT	30' - 50' HEIGHT
6	PS	<i>Pinus strobus</i>	eastern white pine	7" Min. Height	12' - 17' HEIGHT	25' - 35' HEIGHT	40' - 60' HEIGHT
1	QR	<i>Quercus rubra</i>	northern red oak	2 1/2" Caliper	12' - 15' HEIGHT	25' - 35' HEIGHT	40' - 60' HEIGHT
6	TC	<i>Tsuga canadensis</i>	Canadian hemlock	7" Min. Height	12' - 15' HEIGHT	20' - 30' HEIGHT	30' - 50' HEIGHT

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LIMITED USE PERVIOUS ACCESS ROAD	
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POLLINATOR SEED MIX  
PER LANDSCAPE NOTES

TURF RESTORATION SEED  
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DECIDUOUS TREE

EVERGREEN TREE

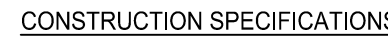
DECIDUOUS SHRUB



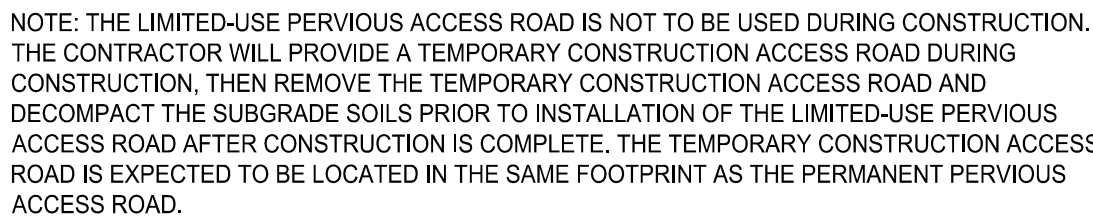








- TEMPORARY STABILIZED CONSTRUCTION  
ENTRANCE DETAIL



SCALE: N.T.S.



SCALE: N.T.S.



- ## CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE RIPS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER VULCANIZED, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED), EMPTY OR DAMAGE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STRIPS LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS WHEN BROKEN. MAINTAIN PROPERLY TO PREVENT MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.



1. COMPOST FILTER SOCK MUST MEET THE STANDARDS AND SPECIFICATIONS OUTLINED IN SECTION 5 OF THE NEW YORK STATE STANDARD SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, (JULY 2016)
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. STAKES MAY BE INSTALLED IMMEDIATELY UP DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. 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.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, 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.



SCALE: N,T,S



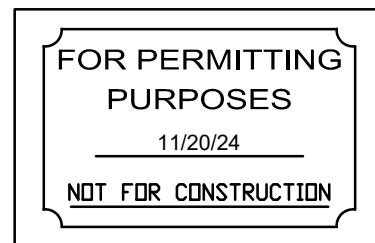
NOTE: FINAL GRADING OF EQUIPMENT PADS WILL BE DETERMINED IN DETAILED DESIGN AND COORDINATED WITH THE ELECTRICAL DESIGN.



SCALE: N.T.S.



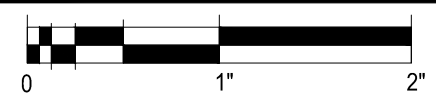
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DWG, TITL

## SITE DETAILS



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DWN. SWK CHK. SA

PROJ. No. 607153

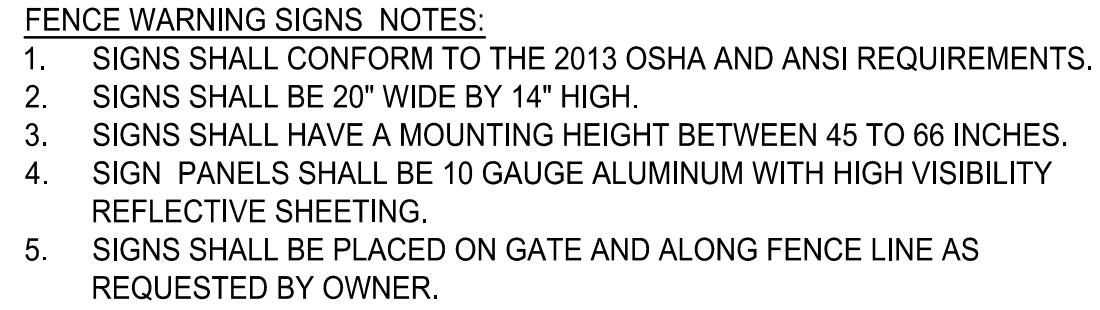
DV/G. No

# C501



Technical drawing of a fence section. The drawing shows a cross-section of a fence with a fixed knot fence (8"x12") on the left, a tubular galvanized steel post (3" Ø) in the center, and a steel strut (3" Ø) on the right. The fence is attached to a wire cable with wire ties. The drawing includes dimensions: 10'-0" for the total width, 3'-0" for the post height, 5'-0" for the strut height, 4'-7" for the base width of the strut, and 60° for the angle of the strut. The drawing also includes labels for "SEE NOTE 5", "TUBULAR GALVANIZED STEEL POST 3" Ø", "STEEL STRUT 3" Ø", and "FINISHED GRADE".

SCALE: N.T.S



SITE OWNER: XXXX  
SITE OWNER PHONE NUMBER: XXXX

CONTACT PLATE

7. THE FENCE SHALL HAVE AN APPROPRIATE HEIGHT TO PROVIDE SCREENING WHILE ALLOWING SMALL ANIMAL PASSAGE.
8. GAPS OR OPENINGS SHALL BE INCORPORATED IN THE FENCE DESIGN TO FACILITATE THE MOVEMENT OF SMALL MAMMALS AND REPTILES.
9. IF NEEDED, A BERM OF VEGETATIVE SCREENING SHALL BE INTEGRATED ALONGSIDE THE FENCE USING NATIVE PLANT SPECIES TO PROVIDE SCREENING FROM ADJACENT PROPERTIES TO ATTRACT AND SUPPORT LOCAL WILDLIFE.
10. SHARP EDGES OR PROTRUSIONS THAT COULD HARM ANIMALS SHALL BE REMOVED FROM THE FENCE.

# C502



GENERAL NOTES:

- USE OF THIS DETAIL/CRITERION IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E. PROVIDE ACCESS FOR MOWING, EQUIPMENT REPAIR OR MAINTENANCE, ETC.).
- LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
- REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
- REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE INSITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOIL AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
- REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
- LIMITED USE PERVIOUS ACCESS ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ACCESS TO SEDIMENT TRACKING. THIS SPECIFICATION IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE. SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS. THE PENETROMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION, EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY.
- TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE LIMITED USE PERVIOUS ACCESS ROAD, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF THE LIMITED USE PERVIOUS ACCESS IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, A STANDARD NEW YORK STATE STABILIZED CONSTRUCTION ACCESS SHALL BE CONSTRUCTED AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON, OR OFF SITE. MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
- THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE PERVIOUS ACCESS HAVE ACHIEVED FINAL STABILIZATION.
- PROJECTS SHOULD AVOID INSTALLATION OF THE LIMITED USE PERVIOUS ACCESS ROAD IN POORLY DRAINED AREAS, HOWEVER IF NO ALTERNATIVE LOCATION IS AVAILABLE, THE PROJECT SHALL UTILIZE WOVEN GEOTEXTILE MATERIAL AS DETAILED IN FOLLOWINGS NOTES.
- THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATED FLOW COULD NOT BE AVOIDED. THE INTENTION OF THIS DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY, HOWEVER WHEN DEALING WITH 5%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED. THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED WATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION WOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGES WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARD. INCREASED POST-DEVELOPMENT RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-DEVELOPMENT CONDITIONS.
- IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE PERVIOUS ACCESS ROAD WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM VEGETATION (I.E. BUFFER), 20 FEET WIDE AND PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.
- THE DESIGN PROFESSIONAL MUST ACCOUNT FOR THE LIMITED USE PERVIOUS ACCESS ROAD IN THEIR SITE ASSESSMENT/HYDROLOGY ANALYSIS. IF THE HYDROLOGY ANALYSIS SHOWS THAT THE HYDROLOGY HAS BEEN ALTERED FROM PRE- TO POST-DEVELOPMENT CONDITIONS (SEE APPENDIX A OF QP-0-20-001 FOR THE DEFINITION OF "ALTER THE HYDROLOGY..."), THE DESIGN MUST INCLUDE THE NECESSARY DETENTION/RETENTION PRACTICES TO ATTENUATE THE RATES (10 AND 100 YEAR EVENTS) TO PRE-DEVELOPMENT CONDITIONS.
- CRUSHED STONE CAP OVER GEOTEXTILE FABRIC TO BE INSTALLED ON ANY PORTION OF THE PERMANENT PERVIOUS ACCESS ROAD THAT WILL BE INSTALLED AND USED DURING CONSTRUCTION. UPON FINAL STABILIZATION, THE CAP AND GEOTEXTILE FABRIC IMMEDIATELY BELOW CAP SHALL BE REMOVED AND THE PERVIOUS STONE SECTION SHALL HAVE ADDITIONAL STONE ADDED AND GRADED AS NEEDED.

GEOGRID MATERIAL NOTES:

- THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE FOR ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
- GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
- GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
- REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSOT ITEM 703-02 SPECIFICATIONS.

BASIS OF DESIGN: TENCATE MIRAFI BXG110 GEOGRIDS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

GEOWEB MATERIAL NOTES:

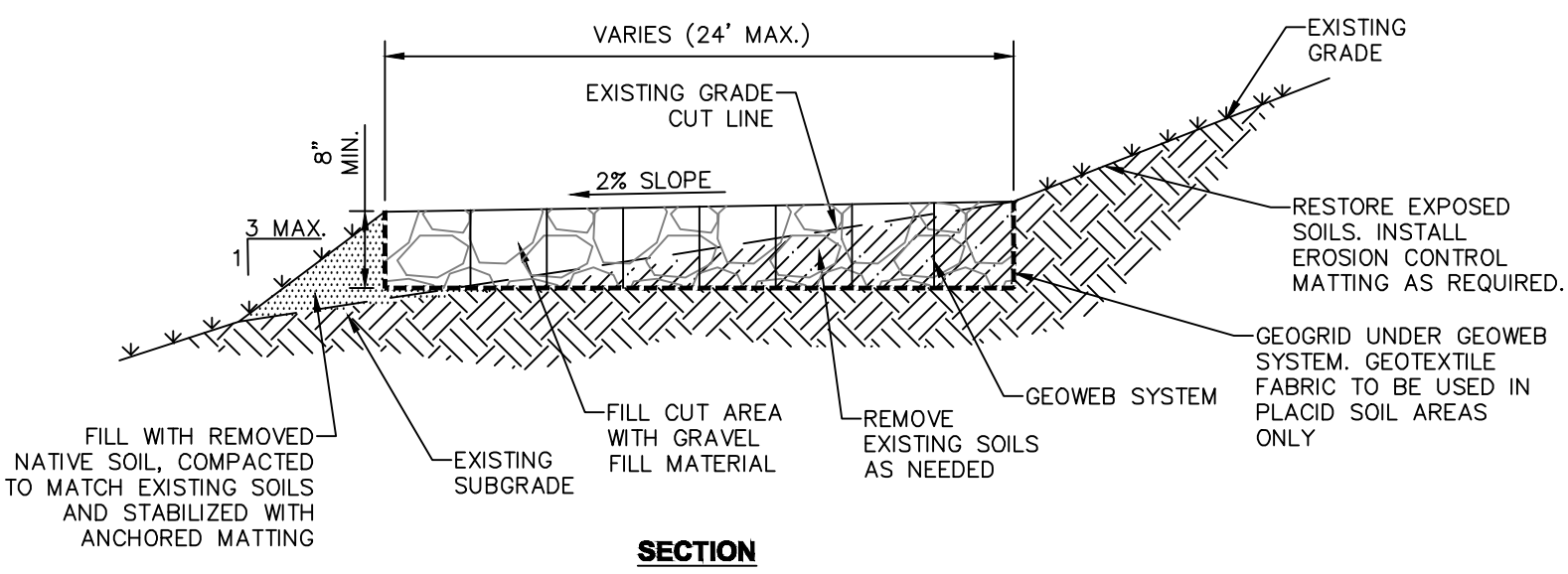
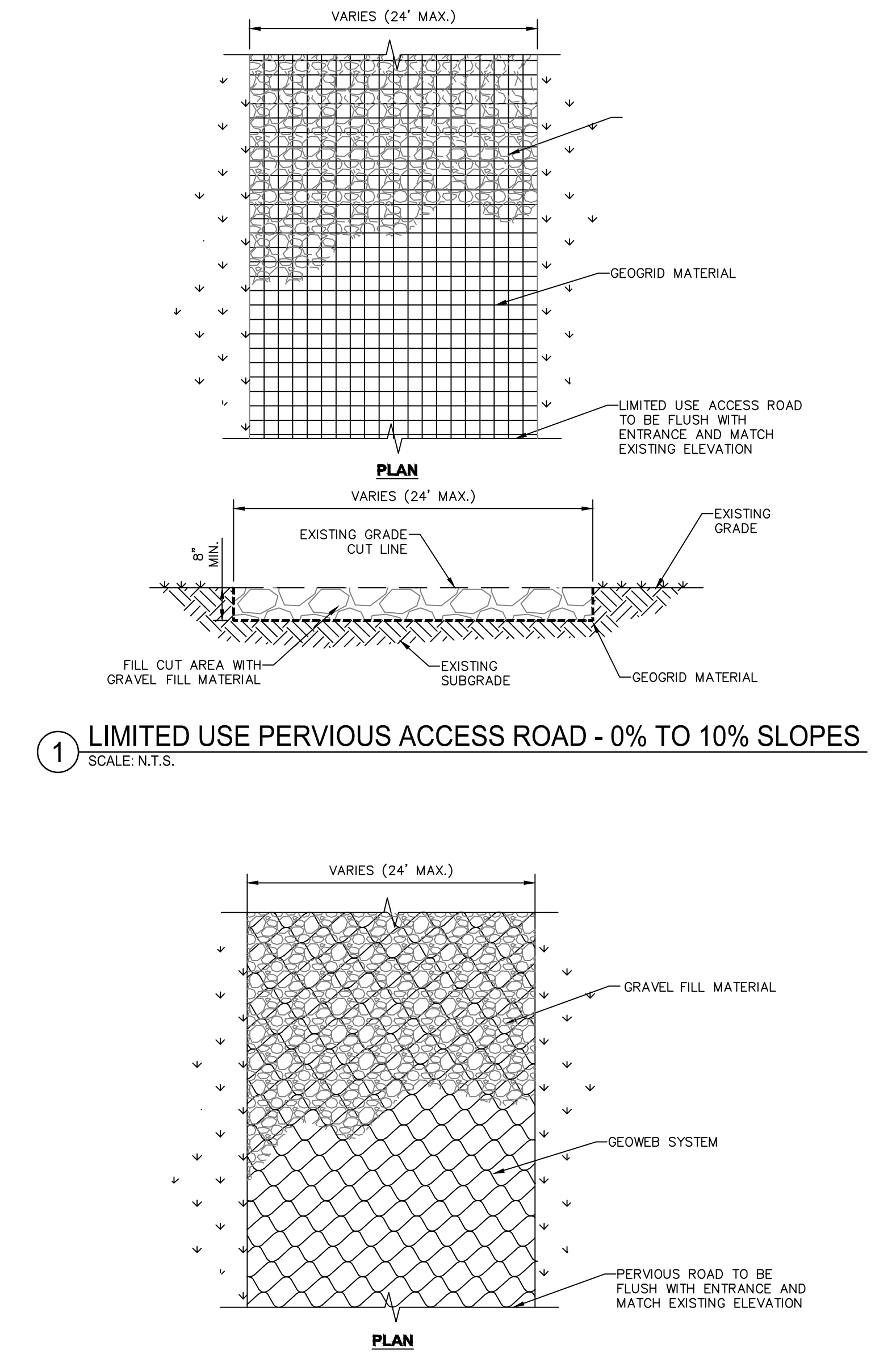
- THE GEOWEB, OR COMPARABLE PRODUCT, IS SUGGESTED FOR USE ON ROAD PROFILES EXCEEDING 10%. THE GEOWEB PRODUCT IS INTENDED TO LIMIT SHIFTING STONE MATERIAL DURING USE.
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- WHERE REQUIRED, A NATIVE SOIL WEDGE SHALL BE PLACED TO ACCOMMODATE ROAD CROSS SLOPE OF 2%. NATIVE SOIL SHALL BE COMPACTED TO MATCH EXISTING SOIL CONDITIONS.
- GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
- GEOWEB SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL. GEOWEB SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE, SIZE 3A, MEETING NYSOT ITEM 703-02 SPECIFICATIONS.
- THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYING AND CONNECTIONS.

BASIS OF DESIGN: PRESTO GEOSYSTEMS GEOWEB; 670 NORTH PERKINS STREET, APPLINGTON, WI; 800-548-3424 OR 920-738-1222; INFO@PRESTOGEO.COM; WWW.PRESTOGEO.COM

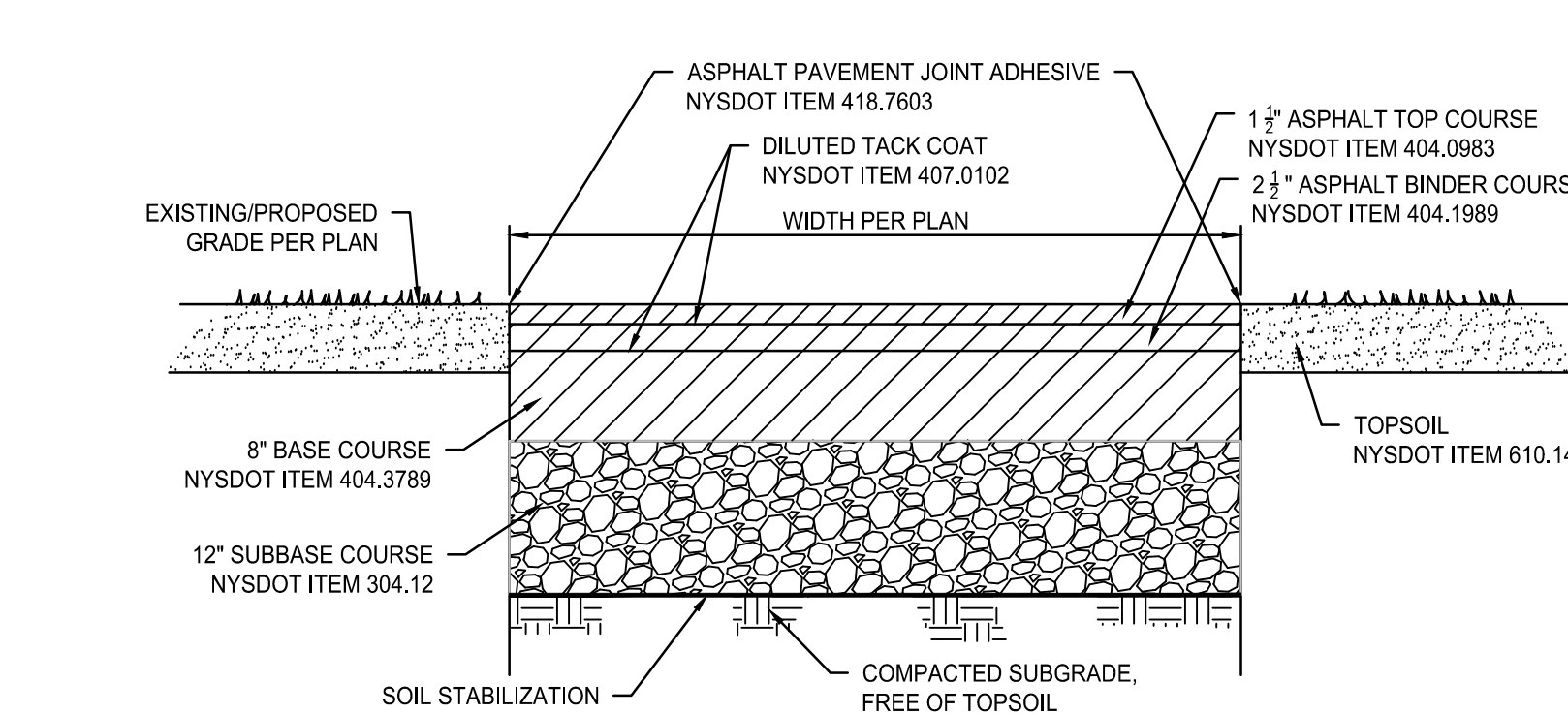
WOVEN GEOTEXTILE MATERIAL NOTES:

- SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D, OR AS SPOICIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST, OR GEOTECHNICAL DATA.
- THE CONCERN FOR POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN IN POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LONG TERM OPERATION AND MAINTENANCE.

BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM



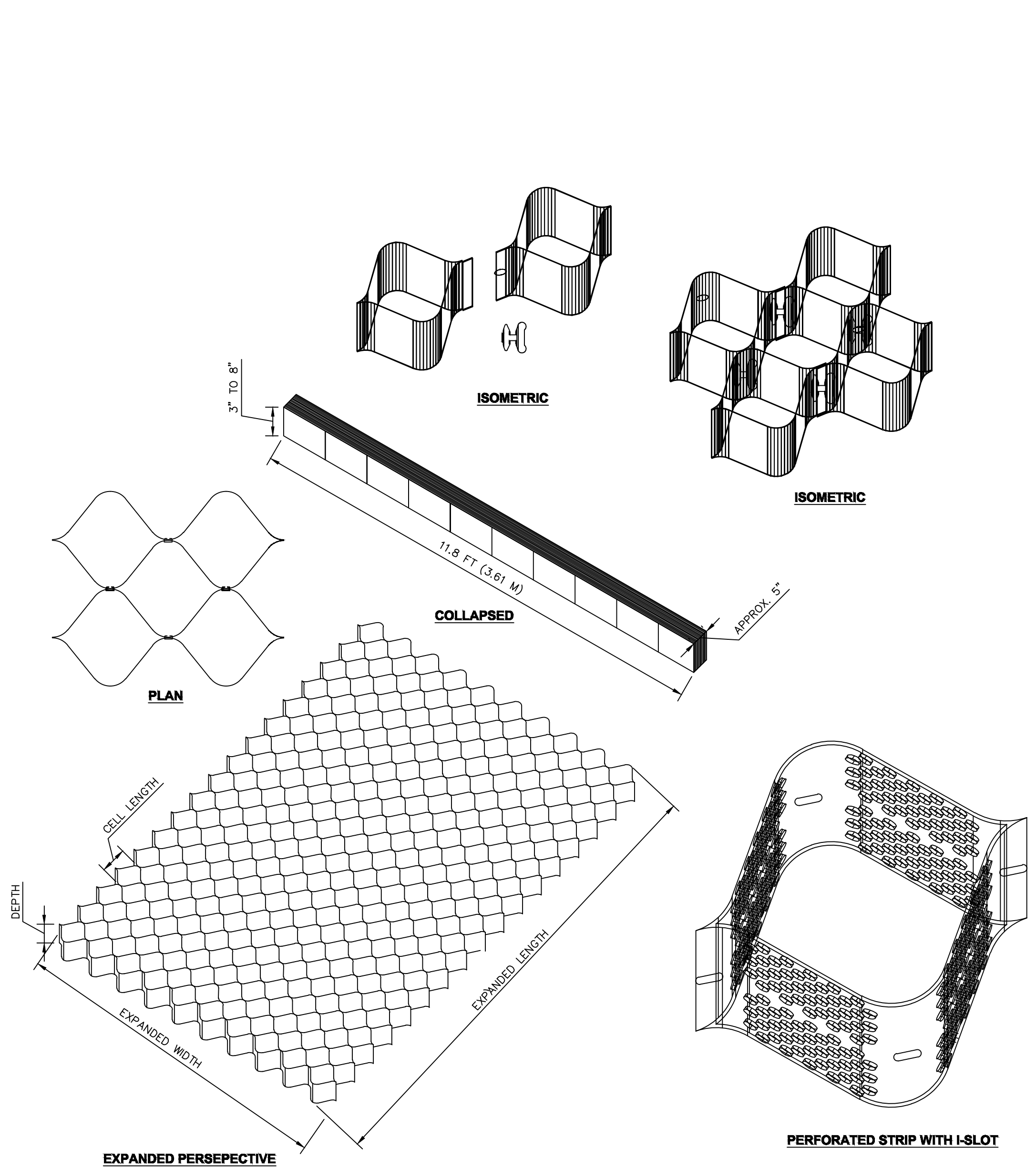
1 LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES  
SCALE: N.T.S.



- NOTE:
- ALL IMPROVEMENTS SHALL ADHERE TO NYSOT STANDARDS SECTION 608.03.
  - THE OVERALL PAVEMENT THICKNESS OF THE DRIVEWAY SHALL VARY TO MATCH THE PAVEMENT DEPTH FOUND AT THE ADJACENT EXISTING TRAVEL LANE. IF THE EXISTING PAVEMENT THICKNESS IN THE ADJACENT TRAVEL LANE IS GREATER THAN 10", THE DEPTH OF THE COURSE SHALL VARY, (MAXIMUM 3" LIFTS) TO MEET THE EXISTING PAVEMENT THICKNESS.
  - DILUTED TACK COAT (407.0102) SHALL BE APPLIED BETWEEN EACH LIFT OF ASPHALT AND ALL VERTICAL FACES. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE TOP COURSE INCLUDING CURBS, GUTTERS, AND DRAINAGE STRUCTURES.
  - ALL NEW PAVEMENT JOINTS SHOULD BE SEALED WITH AN APPROVED NYSOT CRACK SEALER.

2 LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES  
SCALE: N.T.S.

3 GEOWEB SYSTEM  
SCALE: N.T.S.



4 NYSOT DRIVEWAY ENTRANCE ASPHALT SECTION WITHIN PAVEMENT LENGTH  
SCALE: N.T.S.

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FOR PERMITTING  
PURPOSES  
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STATE OF NEW YORK  
SHILA A. RANSBOTT  
076955  
LICENSED PROFESSIONAL ENGINEER

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NO.	REVISIONS	DATE
A	SITE PLAN APPROVAL/SUP SUBMISSION	11/20/2024

DWG. TITLE

SITE DETAILS

0 1 2'  
GENERIC SCALE BAR  
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING.  
IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.  
DATE 11/20/2024  
SCALE AS NOTED  
DWN. SWK CHK. SAR  
PROJ. No. 607153  
DWG. No.

C503