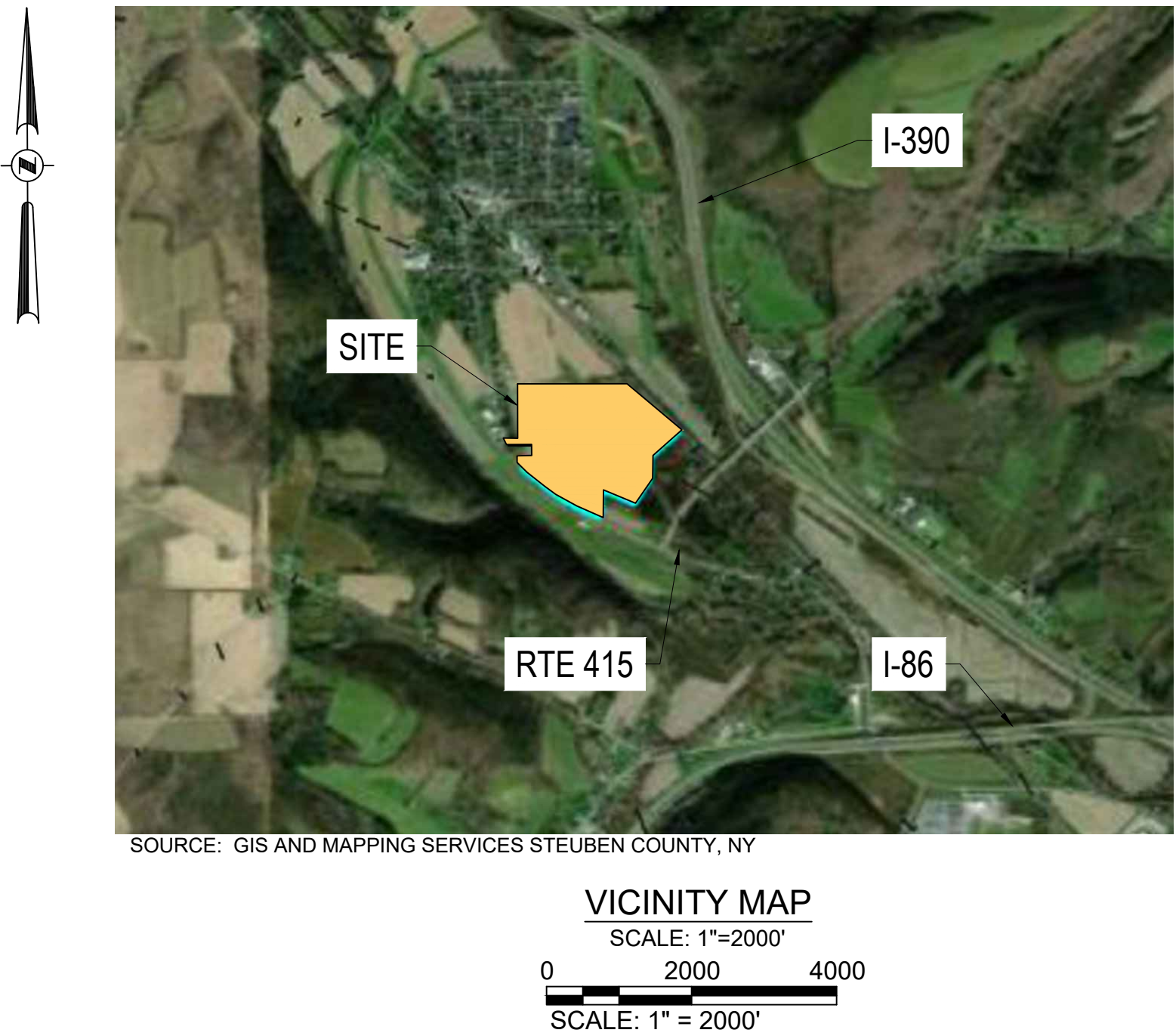


DELAWARE RIVER SOLAR

59930 STATE ROUTE 415 SOLAR PROJECT 3.25 MW AC AVOCA, NEW YORK



PLANS

ISSUED FOR: TOWN AND VILLAGE
ISSUE DATE: 06/02/2025
LAST REVISED: 07/07/2025

PROJECT CONTACTS

ENGINEER:
P.W. GROSSER CONSULTING, INC.
630 JOHNSON AVENUE, SUITE 7, BOHEMIA, NY 11716
TEL: (631) 589-6353
FAX: (631) 589-8705

MUNICIPAL CONTACTS

VILLAGE:
VILLAGE OF AVOCA
3 CHASE STREET
AVOCA, NY 14809
TEL (607) 566-8511

COUNTY:
STEUBEN COUNTY
3 EAST PULTENEY SQUARE
BATH, NY 14810

SITE INFORMATION

SITE: 59930 STATE ROUTE 415
TM #: 113.00-1-14.1, 113.16-1-2.21 & 113.16-1-2.22
LOT AREA: 65.00 AC

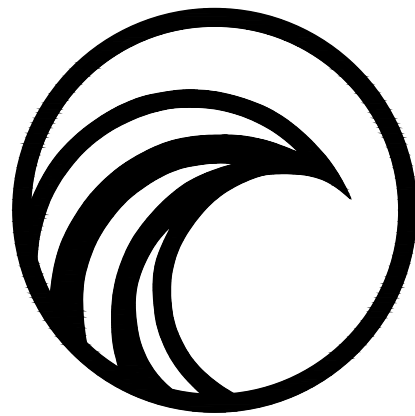
SHEET INDEX

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4.	C-101	CONCEPTUAL SITE LAYOUT PLAN
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6.	C-201	CONCEPTUAL EROSION AND SED. CONTROL PLAN
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10.	C-600	SITE DETAILS I
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12.	C-602	EROSION AND SEDIMENT CONTROL DETAILS

CLIENT INFORMATION

CLIENT:
NY AVOCA I, LLC
449 BROADWAY
MONTICELLO, NY 12701

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NOT FOR CONSTRUCTION



PWGC

CLIENT DRIVEN SOLUTIONS

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COVER
SHEET 1 OF 12



BASEMAP NOTES

- EXISTING CONDITIONS BASEMAP INFORMATION IS BASED ON LIDAR FROM NYS GIS DATA DOWNLOADED ON 11/05/2024.
- PROPOSED SOLAR DEVELOPMENT LAYOUT INFORMATION IS BASED ON CONCEPTUAL LAYOUT PLAN DEVELOPED BY MONGAUP RIVER SOLAR, SHEET TITLED "LAYOUT TECHNICAL REVIEW" AT 1"=200' SCALE, DATED 04-23-24. ALL BASEMAP INFORMATION IS TO BE CONSIDERED APPROXIMATE AND IS TO BE FIELD VERIFIED BY A NEW YORK STATE LICENSED SURVEYOR PRIOR TO FINALIZING DESIGN.
- LOT LINES BASED ON INFORMATION PROVIDED FROM NYS GIS; DOWNLOADED ON 11/05/2024.

SURVEY NOTES

- ALL SURVEY AND SITE STAKEOUTS FOR PROPOSED FEATURES SHALL BE PERFORMED BY A NEW YORK STATE LICENSED SURVEYOR.
- CONTRACTOR WILL BE RESPONSIBLE TO LOCATE, MARK AND PROTECT ALL EXISTING SURVEY, PROPERTY, AND RIGHT-OF-WAY MARKERS FOR THE SITE. ANY MARKERS, PINS, MONUMENTS OR OTHER FEATURES DEFINING PROPERTY LIMITS THAT MAY BE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE PROPERLY TIED AND RESET BY A NEW YORK STATE LICENSED SURVEYOR UPON COMPLETION OF THE WORK.
- THE HORIZONTAL DATUM IS NAD83 NEW YORK STATE PLANE COORDINATE SYSTEM, (US FT).
- THE VERTICAL DATUM IS NAVD88.

GENERAL NOTES

- THE INFORMATION IN THIS DRAWING SET IS CONCEPTUAL AND IS INTENDED FOR TOWN BOARD PLANNING AND DISCUSSION PURPOSES ONLY. THIS DRAWING SET IS NOT TO BE USED FOR CONSTRUCTION OR BIDDING PURPOSES.
- CONTRACTOR WILL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS AND SITE FEATURES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- CONTRACTOR WILL BE RESPONSIBLE TO LOCATE AND MARK OUT ALL EXISTING UTILITIES, INCLUDING THOSE UNDERGROUND, PRIOR TO CONSTRUCTION. ANY POTENTIAL INTERFERENCES WITH PROPOSED FEATURES SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE FEATURES AND UTILITIES THAT ARE NOT DESIGNATED FOR REMOVAL. ANY SITE FEATURE, UTILITY, STREET APPURTENANCE, OR OTHER ITEM THIS IS DAMAGED BY THE CONTRACTOR OR ITS SUBCONTRACTORS DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN-KIND BY THE CONTRACTOR, AS DETERMINED BY THE OWNER OR ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR WILL BE REQUIRED TO OBTAIN ANY ADDITIONAL PERMITS REQUIRED TO DO THE WORK OR DELIVER MATERIALS TO THE SITE THAT ARE NOT PROVIDED BY THE OWNER OR ENGINEER. ALL WORK WITHIN AN EXISTING RIGHT-OF-WAY WILL REQUIRE PERMITTING WITH RESPECTIVE OWNER, STATE OR COUNTY AGENCY, TOWN DEPARTMENT OF PUBLIC WORKS, OR HIGHWAY DEPARTMENT AS APPLICABLE.
- UPON COMPLETION OF THE PROJECT, THE FIRST 30 FEET OF THE ACCESS ROAD IS TO BE PAVED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF COMPLETION.
- ALL ITEMS INSTALLED AS PART OF THIS PROJECT SHALL BE REMOVED AT THE TIME OF DECOMMISSIONING. VEGETATIVE SCREENING, IF DESIRED, MAY REMAIN AT THE REQUEST OF THE LANDOWNER AND APPROVAL FROM THE TOWN AND/OR VILLAGE PLANNING BOARD. PORTIONS OF THE ACCESS ROAD SUPPORTING SHARED ACCESS MAY ALSO REMAIN.

- UPON THE REMOVAL, DECOMPACTION, OR RE-INSTALLATION OF THE ACCESS ROAD AT ANY TIME DURING THE LIFE OF THE PROJECT OR DECOMMISSIONING, THE STATE HISTORIC PRESERVATION OFFICE (SHPO) MUST BE CONSULTED PRIOR TO THE COMMENCEMENT OF ANY ACTIVITY.

ZONING ANALYSIS

TM #:	113.00-1-14.1, 113.16-1-2.21, & 113.16-1-2.22
EXISTING ZONING:	A
LOT AREA:	58.57 ACRES
PROPOSED USE:	LARGE SCALE SOLAR

	REQUIRED	PROPOSED
LOT SIZE	5 AC.	58.57 AC.
MAX. LOT COVERAGE	35%	15.51%
HEIGHT	15'	15'
RESIDENTIAL PROPERTY LINE	100'	209.40'
NON-RESIDENTIAL PROPERTY LINE	50'	125.90'
RESIDENTIAL STRUCTURE	300'	310.70'
SETBACK FROM ROAD	50'	345.10'

EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), AND LOCAL GOVERNING SOIL AND WATER CONSERVATION DISTRICT STANDARDS. THE EROSION AND SEDIMENT CONTROLS SHOWN ON THESE PLANS AND AS DESCRIBED IN THE PROJECT SWPPP REPRESENT THE MINIMUM REQUIREMENTS AND ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED BASED ON CONDITIONS ENCOUNTERED IN THE FIELD. CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING PROJECT REMAINS IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND STANDARDS PERTAINING TO EROSION AND SEDIMENT CONTROLS.
- EROSION AND SEDIMENT CONTROLS WILL BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES AND WILL BE MAINTAINED FOR THE DURATION OF THE WORK, INCLUDING TEMPORARY CONSTRUCTION SWALES AND DETENTION POND WITH OUTLET STRUCTURE AND ROCK OUTLET PROTECTION.
- CONTRACTOR WILL UTILIZE MEANS, METHODS AND SEQUENCING THAT MINIMIZE THE AMOUNT OF EARTH DISTURBANCE TO THE EXTENT PRACTICAL, AND NOT TO EXCEED MORE THAN 5.0 ACRES AT ANY GIVEN TIME.
- CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT AND/OR DOWNSTREAM STORM/SANITARY SEWERS, AND/OR OTHER WATER COURSES FROM CONTAMINATION BY WATER BORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, LUBRICANTS OR OTHER POLLUTANTS ORIGINATING FROM THE SITE OR WORK BEING PERFORMED.
- CONTRACTOR WILL FOLLOW GOOD HOUSEKEEPING AND SPILL CONTROL PRACTICES DURING SITE ACTIVITIES TO MINIMIZE STORMWATER CONTAMINATION FROM CONCRETE, PETROLEUM PRODUCTS AND WASTE MATERIALS. NO WET OR FRESH CONCRETE, LEACHATE OR WASHINGS FROM EQUIPMENT SHALL BE ALLOWED TO MIGRATE INTO EXISTING STORM/SANITARY SEWERS, DITCHES OR OTHER WATERS OF NEW YORK STATE.
- ALL EXCAVATED OR IMPORTED MATERIAL STOCKPILES SHALL BE SUITABLY STABILIZED AND SURROUNDED BY SILT FENCE TO MINIMIZE POTENTIAL FOR SEDIMENT LADEN RUNOFF DISCHARGING TO DOWNSTREAM AREAS OR DRAINAGE FEATURES. DISTURBED SOILS OR STOCKPILES THAT ARE TO BE EXPOSED FOR MORE THAN 14 CALENDAR DAYS SHALL BE TEMPORARY STABILIZED WITH SEED MIX CONSISTING OF RYEGRASS (ANNUAL OR PERENNIAL) APPLIED AT 30 LBS PER ACRES (37 LBS PER 1,000 SQ. FT.), OR CERTIFIED "AROOSTOOK" WINTER RYE (CEREAL RYE) APPLIED AT 100 LBS PER ACRES (2.5 LBS PER 1,000 SQ. FT.) IF SEEDING IN OCTOBER OR NOVEMBER.
- CONTRACTOR MATERIAL AND EQUIPMENT STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. CONSTRUCTION ENTRANCES AS SHOWN ON THE PLANS MAY BE MODIFIED BY THE CONTRACTOR WITH PRIOR APPROVAL FROM THE OWNER AND ENGINEER.
- ALL EXISTING OR NEWLY INSTALLED CATCH BASINS/DRAINAGE INLETS SHALL HAVE DROP INLET PROTECTION INSTALLED THROUGHOUT THE DURATION OF CONSTRUCTION TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SYSTEM. CONTRACTOR SHALL MAINTAIN OR REPLACE DROP INLET PROTECTION WHEN SIGNIFICANT SEDIMENT BUILDUP IS OBSERVED OR IS NOT FUNCTIONING CORRECTLY.
- CONTRACTOR SHALL TAKE ALL NECESSARY AND APPROPRIATE MEASURES TO MITIGATE OR PREVENT FUGITIVE DUST THROUGHOUT THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL ADHERE TO METHODS AS DESCRIBED IN THE PROJECT SWPPP.
- COMPLETED WORK THAT IS NOT SUBJECT TO FURTHER EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL BE PERMANENTLY SEEDED AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL DISTURBANCE. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.

GRADING NOTES

- CONCEPTUAL GRADING DESIGN SHOWN IN THESE PLANS IS BASED ON NYS LIDAR INFORMATION PROVIDED TO PWGC BY PACKER ASSOCIATES, INC. AND IS TO BE CONSIDERED APPROXIMATE AND CONCEPTUAL, AND FOR DISCUSSION PURPOSES ONLY. GRADING DESIGN IS SUBJECT TO CHANGE BASED ON FURTHER SITE INVESTIGATIONS AND ANALYSIS.
- ADDITIONAL SITE GEOTECHNICAL ANALYSIS IS REQUIRED TO VERIFY GRADING CONSTRAINTS AND FEASIBILITY.
- TOPSOIL TO BE STRIPPED AND STOCKPILED SEPARATELY FROM SUB-SOILS. TOPSOIL TO BE UTILIZED ON-SITE FOLLOWING GRADING ACTIVITIES AND PRIOR TO SEEDING.
- GRADING SHALL PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND OSHA REQUIREMENTS. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF OSHA, AND ANY OTHER AGENCY HAVING JURISDICTION WITH REGARD TO SAFETY PRECAUTIONS WITH TRENCHING OR EXCAVATION AND GRADING OPERATIONS. THE REQUIREMENTS SET FORTH HEREIN ARE INTENDED TO SUPPLEMENT REQUIREMENTS ESTABLISHED BY THESE AGENCIES. IN THE CASE OF A CONFLICT BETWEEN REQUIREMENTS OF OTHER JURISDICTIONAL AGENCIES AND THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT ON THE CONTRACTOR SHALL APPLY.
- VOIDS LEFT BY UTILITY OR STRUCTURE EXCAVATIONS, OR GRUBBING OPERATIONS SHALL BE BACKFILLED AND PROPERLY COMPACTED WITH STRUCTURAL FILL (NYSOT ITEM 304.12 OR EQUIVALENT) IN AREAS UNDER AND WITHIN 5 FEET HORIZONTALLY OF ALL STRUCTURES, AND PAVEMENTS. IN GRASSSED AREAS, VOIDS LEFT SHALL BE FILLED AND PROPERLY COMPACTED WITH SUITABLE ON-SITE BACKFILL AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL DEWATER ALL EXCAVATIONS TO PREVENT THE INTRODUCTION OF GROUNDWATER OR PONDED WATER INTO THE TRENCHES/EXCAVATIONS AND WILL PROVIDE ALL EQUIPMENT NECESSARY TO MAINTAIN THE WATER AS NECESSARY. DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SWPPP.
- UNLESS OTHERWISE DIRECTED, THE CONTRACTOR SHALL PLACE AT MINIMUM 6 INCHES OF CLEAN TOPSOIL IN ALL DISTURBED AND NEWLY GRADED AREAS PRIOR TO SEEDING.

WETLANDS NOTES

- EXISTING STREAM AND WETLANDS INFORMATION IS BASED ON NYSDEC ENVIRONMENTAL RESOURCE MAPPER PUBLICLY AVAILABLE DATA.
- ACTUAL LIMITS OF ALL STREAMS, WETLANDS AND WETLAND ADJACENT AREAS ARE TO BE FIELD VERIFIED VIA SURVEY AND WILL BE MARKED IN THE FIELD BY SURVEY MARKERS, RIBBON, FLAGS, OR EQUIVALENT PRIOR TO START OF CONSTRUCTION.
- EFFORTS SHALL BE MADE TO MINIMIZE DISTURBANCE TO ANY STATE OR FEDERALLY REGULATED WETLANDS. UNNECESSARY REMOVAL OF VEGETATION OR DEGRADATION ALONG STREAM BANKS IS PROHIBITED.
- ONLY HAND CLEARING SHALL BE ALLOWED IN WETLAND AREAS AS NECESSARY. MACHINE CLEARING IS PROHIBITED WITHIN WETLAND AREAS.
- IF TEMPORARY ACCESS IS REQUIRED IN WETLAND AREAS, TEMPORARY TIMBER MATS WILL BE USED TO MINIMIZE DISTURBANCE TO UNDERLYING WETLAND SOILS.
- STAGING OF ANY CONSTRUCTION MATERIALS OR EQUIPMENT IS PROHIBITED IN WETLAND AREAS.
- ANY WETLAND DISTURBANCE IS TO BE RESTORED WITH APPROPRIATE WETLAND SEED MIX IN ACCORDANCE WITH NYSOT ITEM 203.01920007 OR MOST CURRENT NYSDEC REQUIREMENTS RELATED TO WETLAND RESTORATION. COMPONENT OF THE SEED MIX MAY BE SUBSTITUTED WITH THE ENGINEER'S APPROVAL.

FEMA NOTES

- THE PROPOSED SITE IS LOCATED WITHIN FLOODPLAIN ZONE AH WHICH HAS A FLOOD ELEVATION OF 1.179. IN ORDER TO ENSURE THE RESILIENCE AND DURABILITY OF THE PROPOSED SOLAR PANEL ARRAY FIELD, ALL ELECTRONICS WILL BE INSTALLED 1 FT ABOVE AND ALL SOLAR PANELS WILL BE 3 FT ABOVE THE FLOOD ELEVATION AT MAXIMUM TILT HEIGHT.
- ALL EQUIPMENT PROPOSED TO BE INSTALLED ON CONCRETE PADS, WILL BE BOLTED DOWN TO ENSURE BUOYANCY OF THE EQUIPMENT IS MITIGATED.

SOLAR MODULE NOTES

MANUFACTURER:	HANWHA
MODEL:	Q.PEAK DUO XL-G11.3/BFG
MODULE OUTPUT POWER:	585 WP
STRING SIZE:	24
NUMBER OF STRINGS:	500
MODULE QUANTITY:	12,000
PV SYSTEM OUTPUT	4,548.96 kWp DC

NOTES:

- SOLAR PANELS TO BE INSTALLED BY A QUALIFIED SOLAR INSTALLER AND SHALL BE BUILT, OPERATED AND MAINTAINED TO ACCEPTABLE INDUSTRY STANDARDS INCLUDING BUT NOT LIMITED TO THE MOST RECENT, APPLICABLE STANDARDS OF THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS ("IEEE") AND THE AMERICAN NATIONAL STANDARDS INSTITUTE.

SITE COVERAGE CALCULATION

SOLAR PANELS:	
29.52 SF x 12,000 PANELS =	8.13 AC
ACCESS ROAD:	0.96 AC
	9.09 AC

SITE COVERAGE:	
9.09 AC / 58.57 AC =	15.51%

PERMANENT AREA OF DISTURBANCE CALCULATION

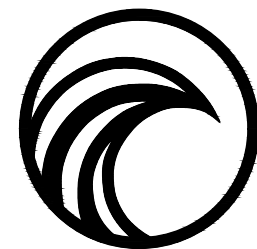
SOLAR PANEL H-POSTS:	
1.3 SF x 500 STRINGS x 4 POSTS/STRING =	0.06 AC
ACCESS ROAD:	0.96 AC
ELECTRICAL EQUIPMENT PAD (1):	0.01 AC
TOTAL:	1.03 AC

TEMPORARY AREA OF DISTURBANCE CALCULATION

FENCED AREA	28.78 AC
ACCESS ROAD	0.97 AC
TOTAL:	29.75 AC

LEGEND

EXISTING	CONCEPTUAL	NOTES
TOPOGRAPHIC FEATURES		MINOR CONTOURS (2–FT INTERVAL) MAJOR CONTOURS (10–FT INTERVAL) LIMITS OF GRADING
DRAINAGE ELEMENTS		STREAM WATER BAR LINED SWALE ROCK OUTLET PROTECTION DRAINAGE CULVERT DETENTION POND OUTLET STRUCTURE STORMWATER DETENTION POND
SITE FEATURES		PROPERTY BOUNDARY ZONING SETBACK APPROXIMATE WETLAND LIMITS APPROXIMATE PROPERTY BOUNDARY APPROXIMATE WETLANDS OFFSET PAVED ROADWAY GRAVEL ROADWAY OVERHEAD ELECTRICAL UTILITY UNDERGROUND ELECTRICAL UTILITY 8–FT TALL DEER FENCE SOLAR PANEL ARRAY SEED RESTORATION LIMITS TREE LINE
EROSION AND SEDIMENT CONTROL		SILT FENCE LAND GRADING ACTIVITIES STABILIZED CONSTRUCTION ENTRANCE DUST CONTROL MEASURES LIMITS OF CLEARING LIMITS OF TREE CUTTING



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CONSULTANTS

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7	REVISED PER CLIENT COMMENTS	07.07.2025
6	REVISED PER TOWN COMMENTS	07.01.2025
5	REVISED PER TOWN COMMENTS	06.02.2025
4	REVISED PER TOWN COMMENTS	05.16.2025
3	REVISED SCREENING	05.15.2025
2	REVISED FARMLAND DISTURBANCE	04.29.2025
1	REVISED PER TOWN/VILLAGE COMMENTS	04.08.2025

Number	Revision Description	Revision Date
Designed By		Date Submitted
Drawn By	THS	Date Created 2024-11-01
Approved By	EJK	Scale AS NOTED

Client:
NY AVOCA I, LLC
449 BROADWAY
MONTICELLO, NY 12701

Project:
59930 MAIN ST (NY-415)

SOLAR FARM CONCEPTUAL PLAN

Project Address:
59930 MAIN STREET (NY-415)
TOWN OF AVOCA
STEBEN COUNTY, NEW YORK

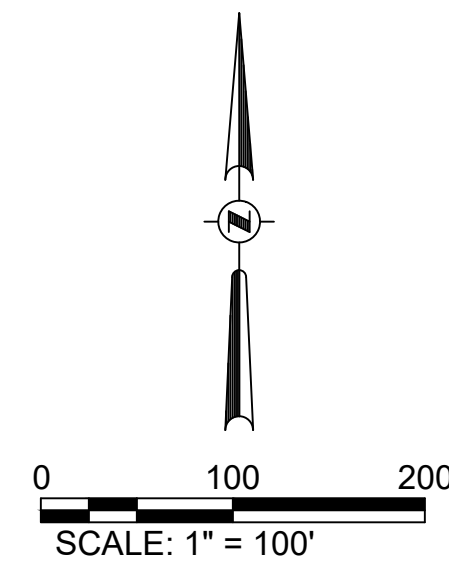
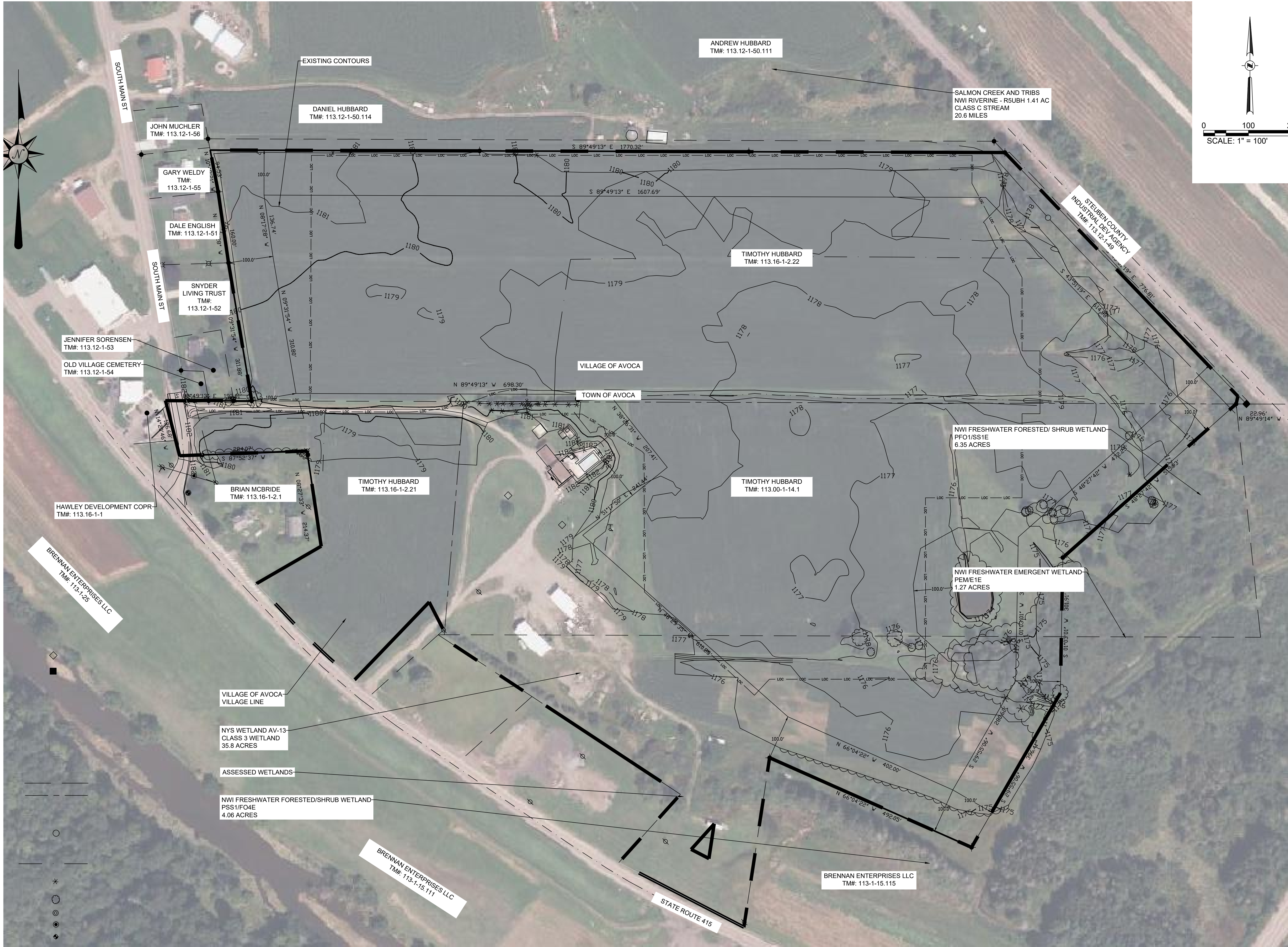
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Regulatory Reference Number:	---		

Title of Drawing:

GENERAL NOTES AND LEGEND INFORMATION

	Drawing Number:	C-001
	Sheet 2 of 12	PWGC Project Number: DRS2425

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TOWN OF AVOCA
STEBEN COUNTY, NEW YORK

County File Map Number:
113.16-1-14.1, 2.21 & 2.22

Regulatory Reference Number:

Contract Number:

**EXISTING
CONDITIONS
PLAN**

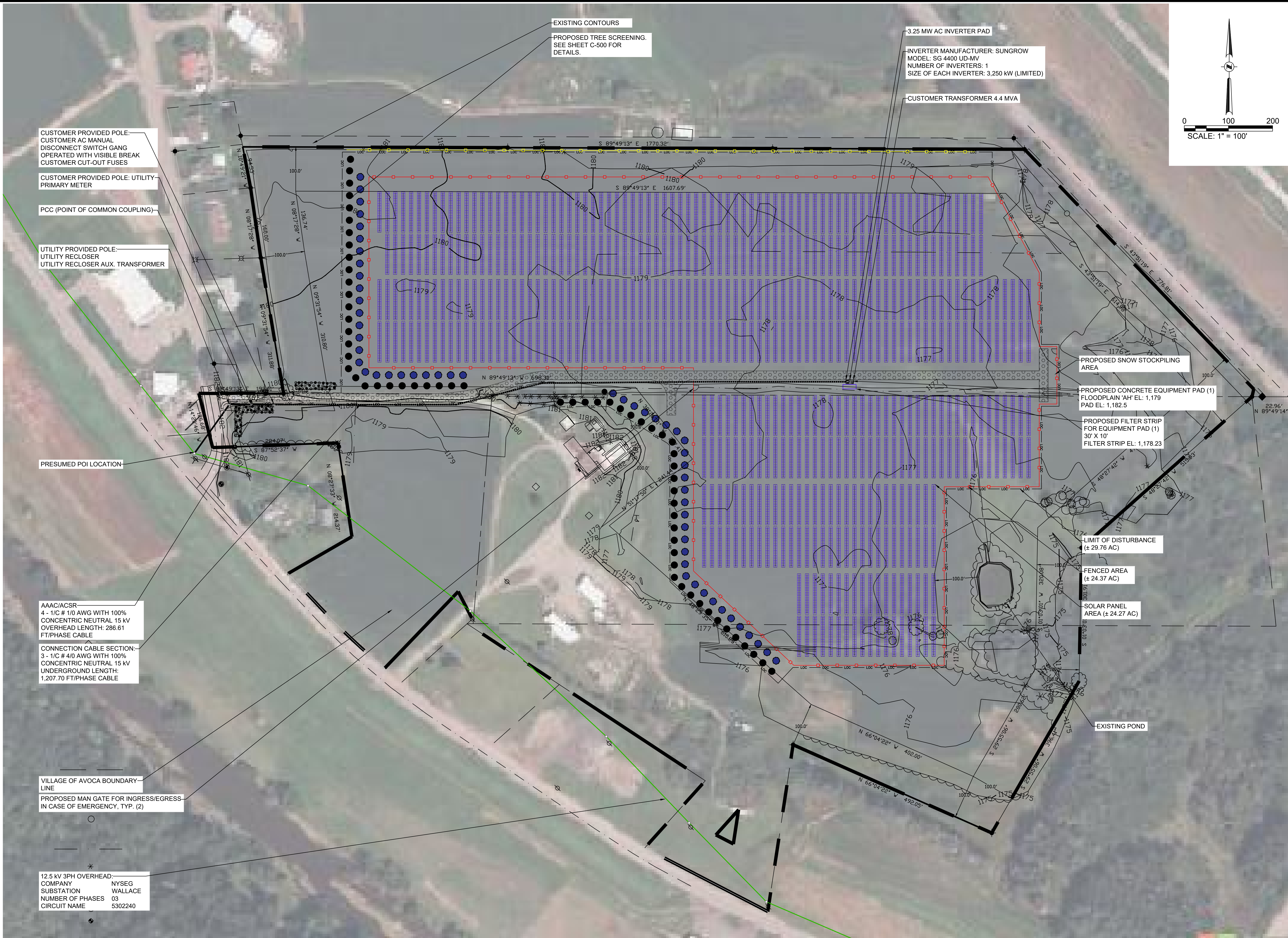
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C-100

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PWGC Project Number:
DRS2425

STATE OF NEW YORK
MICHAEL SCARFONE
103321
LICENSED PROFESSIONAL ENGINEER

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SOLAR FARM
CONCEPTUAL PLAN


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113.16-1-14.1, 2.21 & 2.22	---

Regulatory Reference Number: ---

Title of Drawing: ---

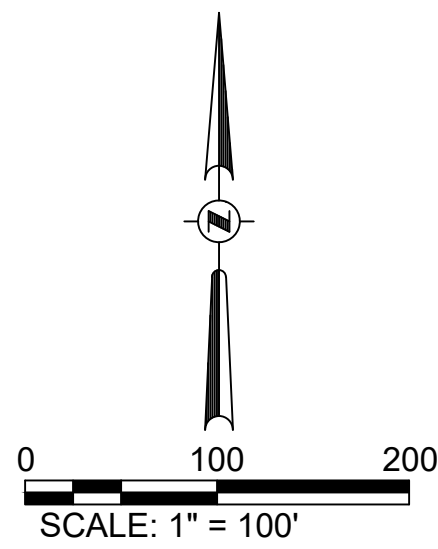
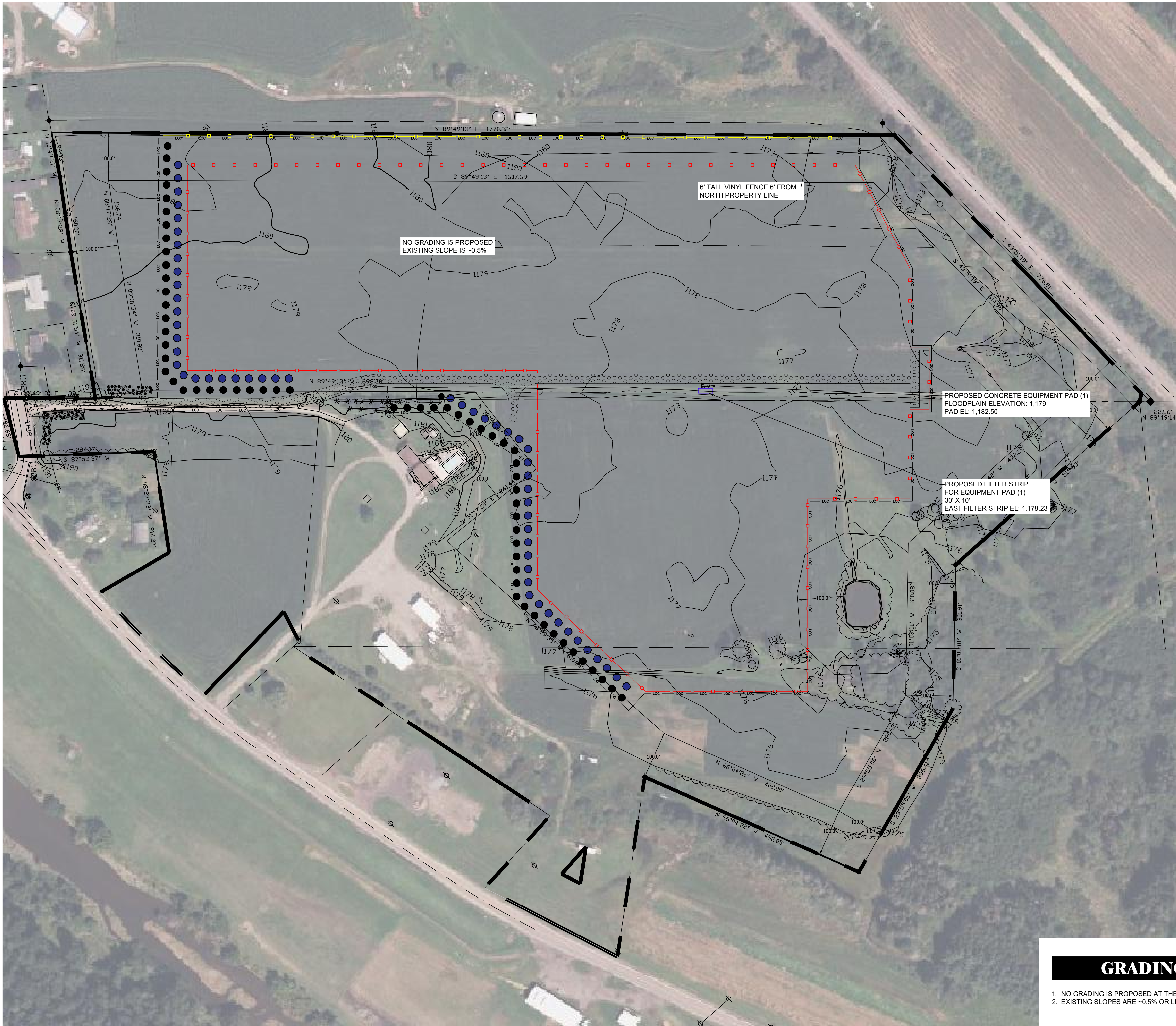
CONCEPTUAL
SITE LAYOUT
PLAN



Drawing Number:
C-101

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of
12

PWGC Project Number:
DRS2425



GRADING NOTES

1. NO GRADING IS PROPOSED AT THE SITE.
2. EXISTING SLOPES ARE ~0.5% OR LESS.



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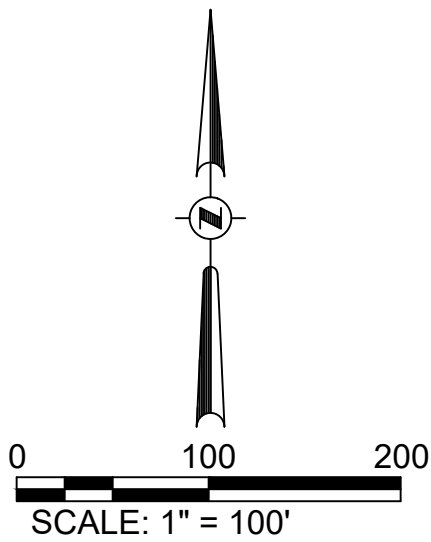
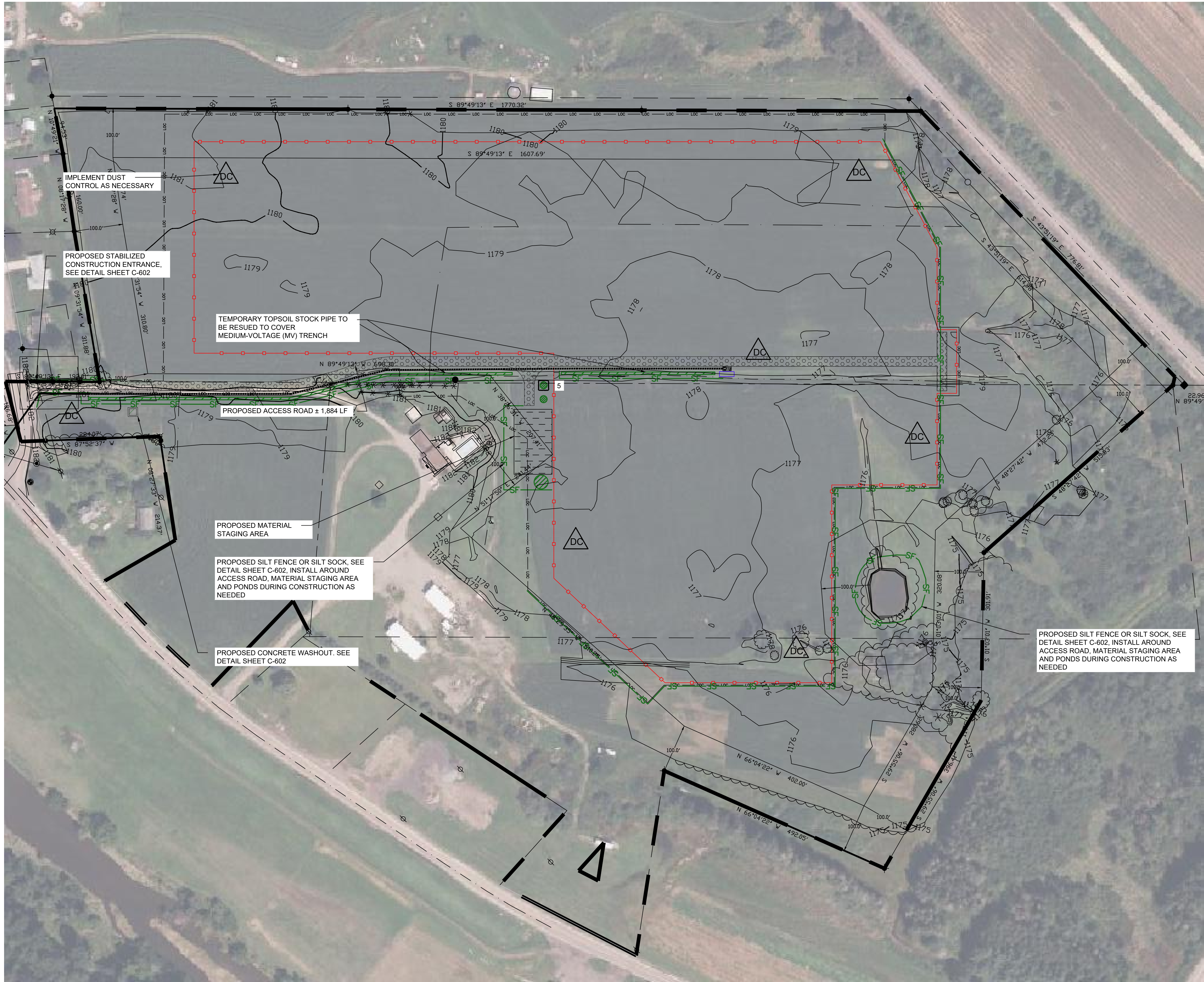
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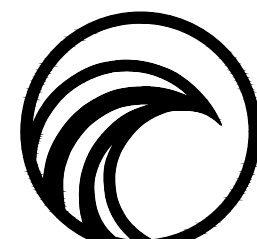
CONCEPTUAL GRADING AND DRAINAGE PLAN

Drawing Number:
C-200

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PWGC Project Number:
DRS2425





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7	REVISED PER CLIENT COMMENTS	07.07.2025
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2	REVISED FARMLAND DISTURBANCE	04.29.2025
1	REVISED PER TOWN/VILLAGE COMMENTS	04.08.2025
Number	Revision Description	Revision Date
Designed By	Date Submitted	
Drawn By	THS	2024-11-01
Approved By	EJK	Scale AS NOTED

Client
NY AVOCA I, LLC
449 BROADWAY
MONTICELLO, NY 12701

Project
59930 MAIN ST (NY-415)
SOLAR FARM
CONCEPTUAL PLAN


Project Address:
59930 MAIN STREET (NY-415)
TOWN OF AVOCA
STEBEN COUNTY, NEW YORK

County Tax Map Number
113.16-1-14.1, 2.21 & 2.22

Contract Number

Regulatory Reference Number

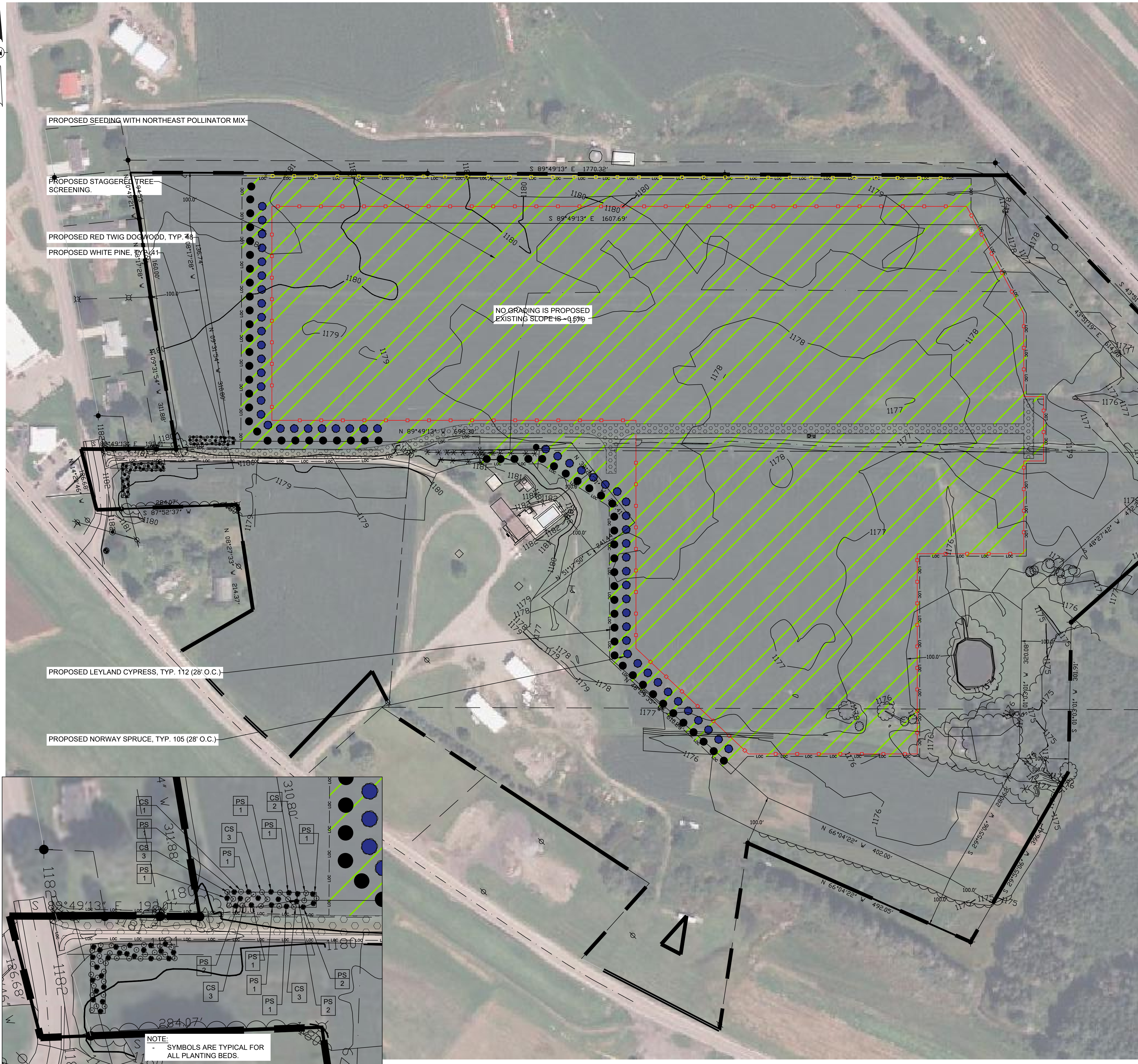
CONCEPTUAL
EROSION AND SED.
CONTROL PLAN



C-201

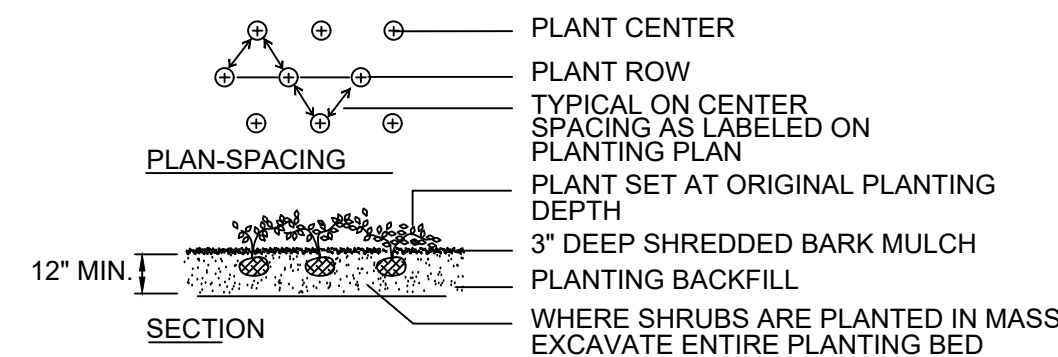
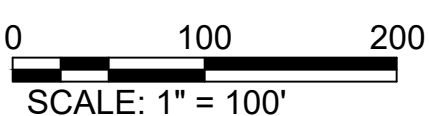
Sheet 6 of 12

PWGC Project Number: DRS2425

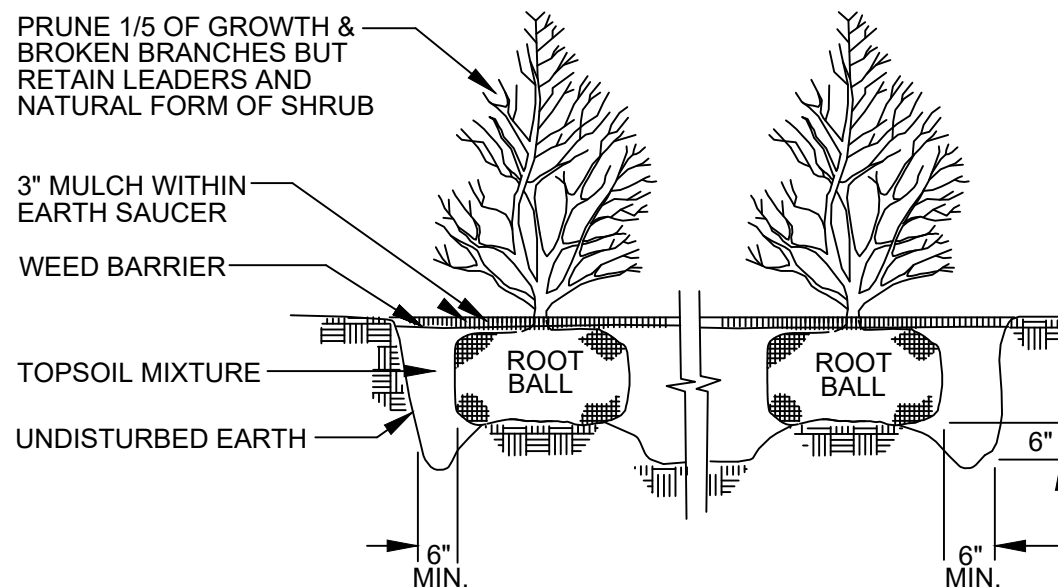


LANDSCAPING BED LAYOUT
SCALE: 1" = 50'

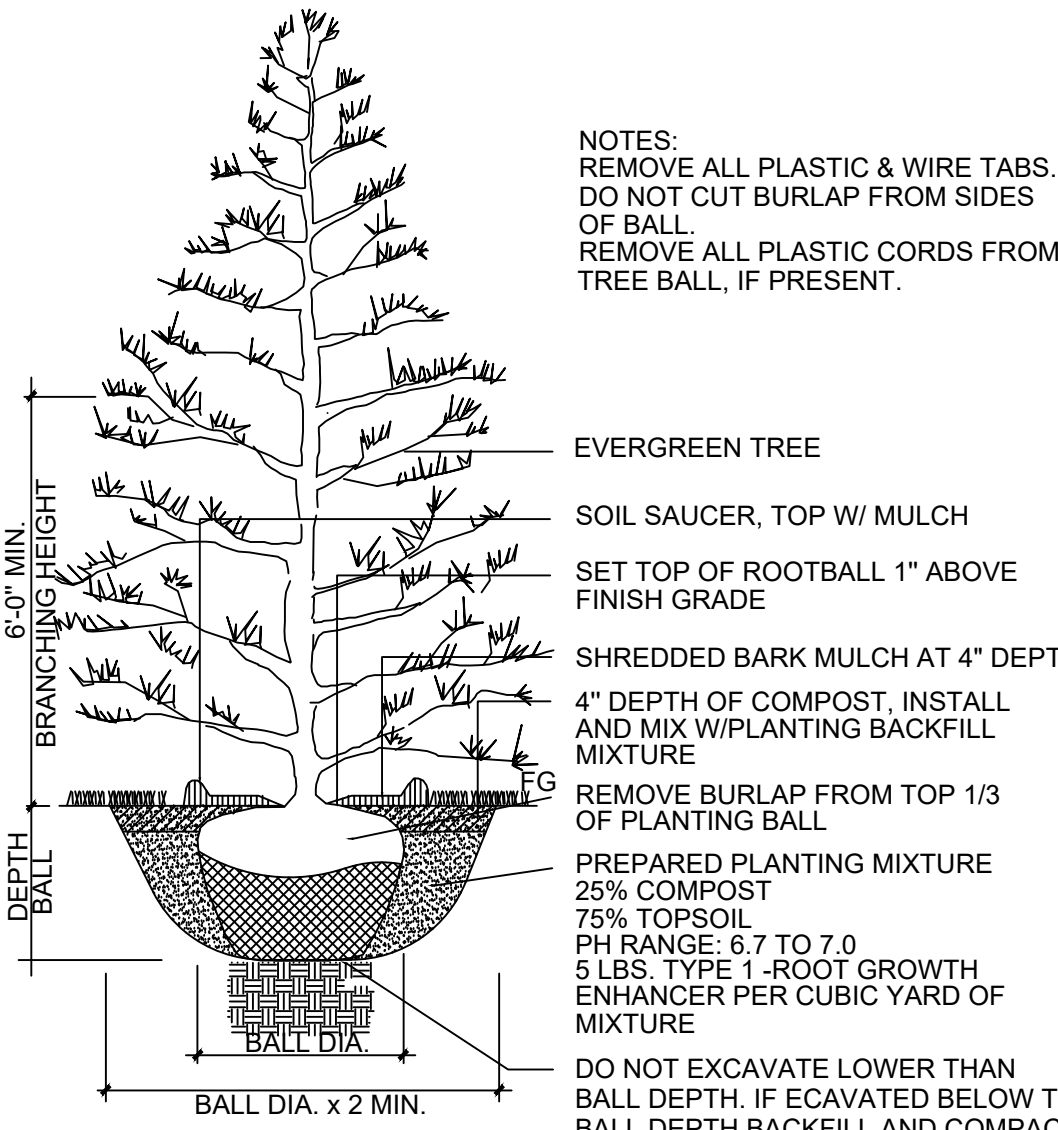
CONCEPTUAL LANDSCAPING PLAN
SCALE: 1" = 100'



PLANTING BACKFILL MIXTURE
NOTES:
REMOVE ALL PLASTIC & WIRE TAGS
REMOVE ALL PLASTIC CORDS FROM
TREE BALL, IF PRESENT
IN GROUPINGS OF SHRUBS, EXCAVATE
AND BACKFILL ENTIRE SHRUB
BED AREA W/ PREPARED BACKFILL



TYPICAL SHRUB PLANTING DETAIL
SCALE: NOT TO SCALE



- NOTES:
1. MAINTAIN A 2" MINIMUM RADIUS CLEAR OF MULCH AROUND THE TRUNK.
 2. THE DISTANCE BETWEEN THE BOTTOM OF THE TRUNK FLARE THE FINISHED GRADE SHALL BE AS FOLLOWS:

FOR SANDY OR LOAMY SOILS: 1"
FOR CLAY OR POORLY DRAINED SOILS: 3"
 3. WHEN TAGGING TREES AT THE NURSERY, MARK THE NORTH SIDE OF THE TREE IN THE FIELD AND WHEN INSTALLING, ROTATE TREE TO FACE NORTH WHENEVER POSSIBLE.

TYPICAL EVERGREEN TREE PLANTING DETAIL
SCALE: NOT TO SCALE

PLANT SCHEDULE		
NAME	PLAN SYMBOL	QUANTITY
CUPRESSUS XLEYLANDII - LEYLAND CYPRESS	CX	61
PICEA ABIES - NORWAY SPRUCE	PA	54
CORNUS SERICEA 'ALLEMANS' - RED TWIG DOGWOOD	CS	48
PINUS STROBUS - WHITE PINE	PS	41

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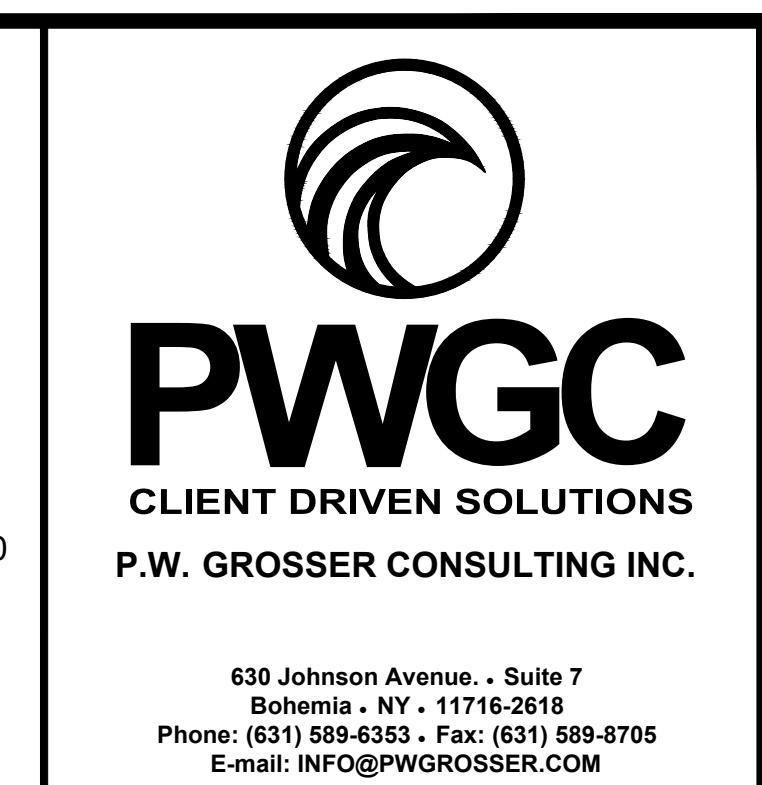
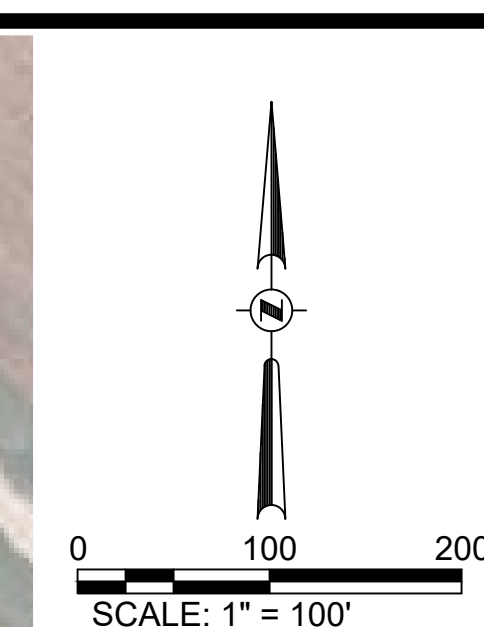
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Designed By	THS	Date Submitted
Drawn By	THS	Date Created
Approved By	EJK	Scale
Client:	NY AVOCA I, LLC 449 BROADWAY MONTICELLO, NY 12701	AS NOTED

59930 MAIN ST (NY-415)
SOLAR FARM
CONCEPTUAL PLAN

Project Address:
59930 MAIN STREET (NY-415)
TOWN OF AVOCA
STEBUEN COUNTY, NEW YORK

County: Yates Map Number:
113.16-1-14.1, 2.21 & 2.22
Regulatory Reference Number:
103321

CONCEPTUAL
LANDSCAPING
PLAN



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Designed By	Date Submitted
Drawn By	Date Created
JB/RPV	09/30/24
Approved By	Scale
EJK	AS NOTED

Client: **NY AVOCA I, LLC**
449 BROADWAY
MONTICELLO, NY 12701

Project:
59930 MAIN ST (NY-415)

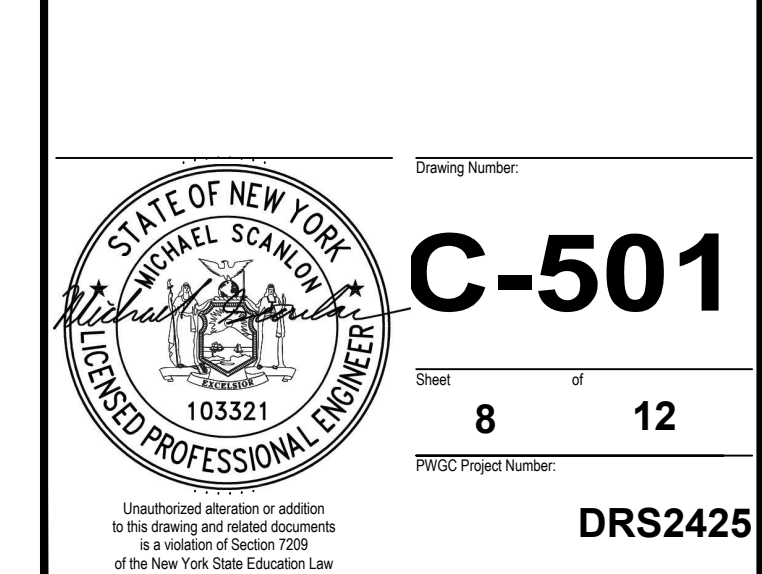
SOLAR FARM CONCEPTUAL PLAN

Project Address:
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TOWN OF AVOCA
STEBEN COUNTY, NEW YORK

County Tax Map Number: 113.16-1-14.1, 2.21 & 2.22	Contract Number: ---
Regulatory Reference Number: ---	

Title of Drawing:

PRIME SOILS IMPACT MAP






MINERAL SOIL GROUP DISTURBANCE TABLE			
MINERAL SOIL GROUP	H-POSTS	ACCESS ROAD	EQUIPMENT PAD
NO GROUP	0 AC.	0 AC.	0 AC.
1	0 AC.	0 AC.	0 AC.
2	0.04 AC.	0.838 AC.	0.01 AC.
3	0.02 AC.	0.122 AC.	0 AC.
4	0 AC.	0 AC.	0 AC.
TOTAL DISTURBANCE	0.06 AC.	0.96 AC.	0.01 AC

PRIME FARMLAND SOILS

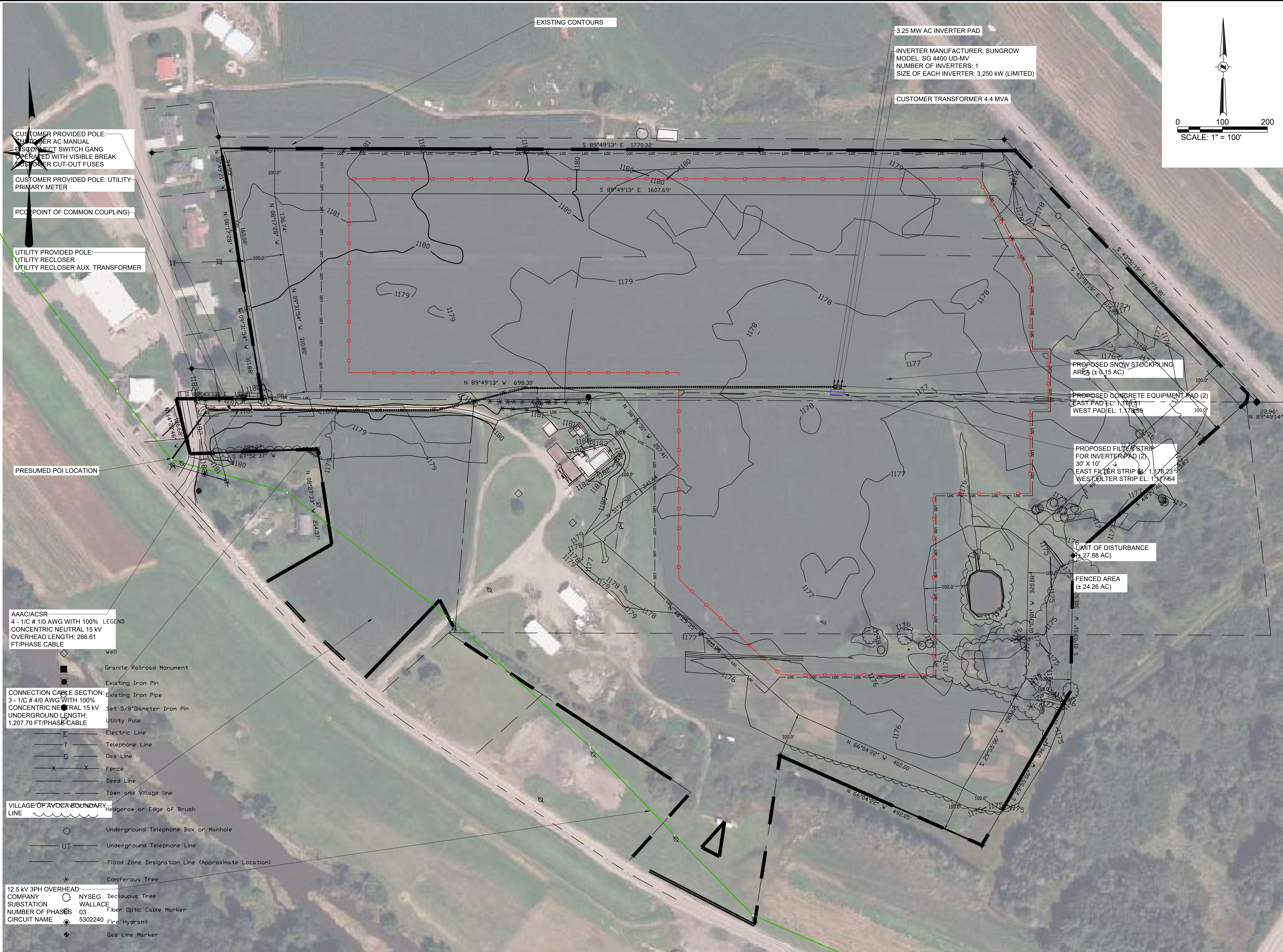
1. AREAS DESIGNATED AS "FARMLAND OF STATEWIDE IMPORTANCE AND PRIME FARMLAND ARE DETERMINED BY THE U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICES (NRCS)'S SOIL SURVEY GEOGRAPHIC (SSURGO) DATABASE ON WEB SOIL SURVEY.
2. MINERAL SOIL GROUPS ARE BASED ON NYSEERDA 2024 NY SOILS DATE GIS MAP.

PRIME SOILS LEGEND

	SOIL TYPE 2, FARMLAND OF STATEWIDE IMPORTANCE 15.88 ACRES
	SOIL TYPE 3, FARMLAND OF STATEWIDE IMPORTANCE 13.09 ACRES
	PRIME FARMLAND 28.97 ACRES

FARMLAND DISTURBANCE TABLE

FARMLAND CLASSIFICATION	EARTHWORK DISTURBANCE AREA	PERMANENT DISTURBANCE AREA	PROJECT FOOTPRINT AREA
PRIME FARMLAND	28.97 AC.	1.03 AC.	28.97 AC.
PRIME FARMLAND IF DRAINED	0 AC.	0 AC.	0 AC.
NOT PRIME FARMLAND	0.78 AC	0 AC.	0.78 AC
FARMLAND OF STATEWIDE IMPORTANCE	0 AC.	0 AC.	0 AC.
TOTAL DISTURBANCE	29.76 AC.	29.76 AC.	29.76 AC.





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Designed By: _____ Date Submitted: _____
Drawn By: **JB** Date Created: **03/26/2025**
Approved By: **EJK** Scale: **AS NOTED**

Client:
NY AVOCA I, LLC
449 BROADWAY
MONTICELLO, NY 12701


59930 MAIN ST (NY-415)
SOLAR FARM
CONCEPTUAL PLAN

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STEBEN COUNTY, NEW YORK

County Tax Map Number: **113.16-1-14.1, 2.21 & 2.22** Contract Number: **---**
Regulatory Reference Number: _____

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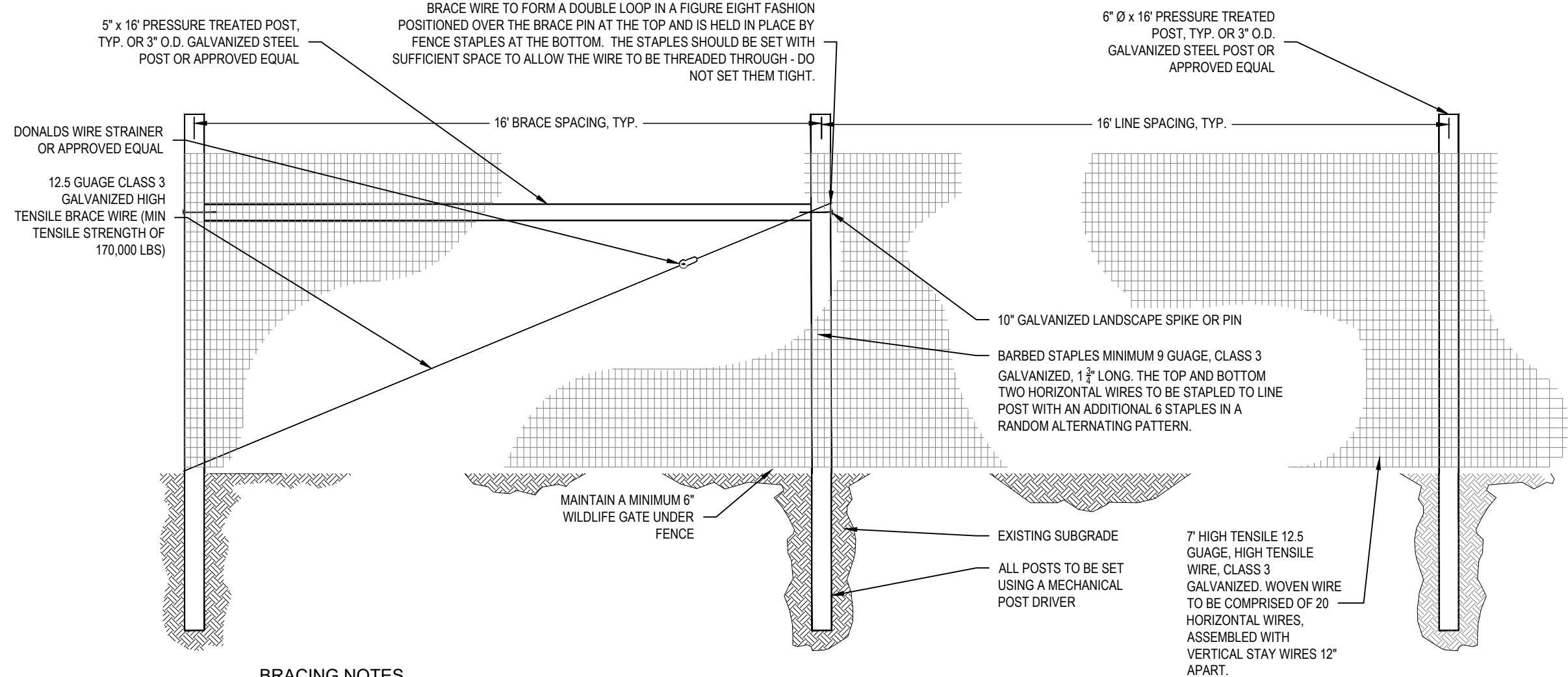
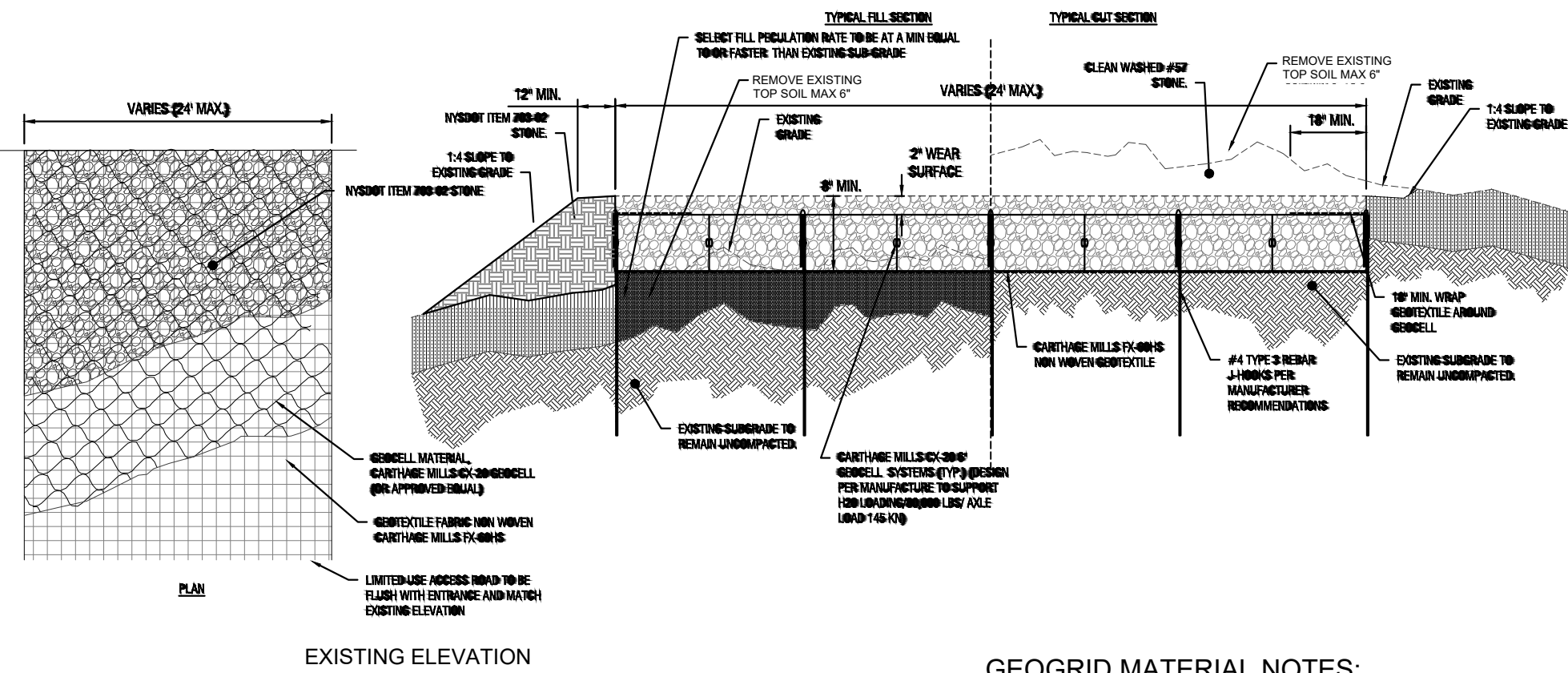
CONCEPTUAL UTILITY PLAN



Drawing Number:
C-502

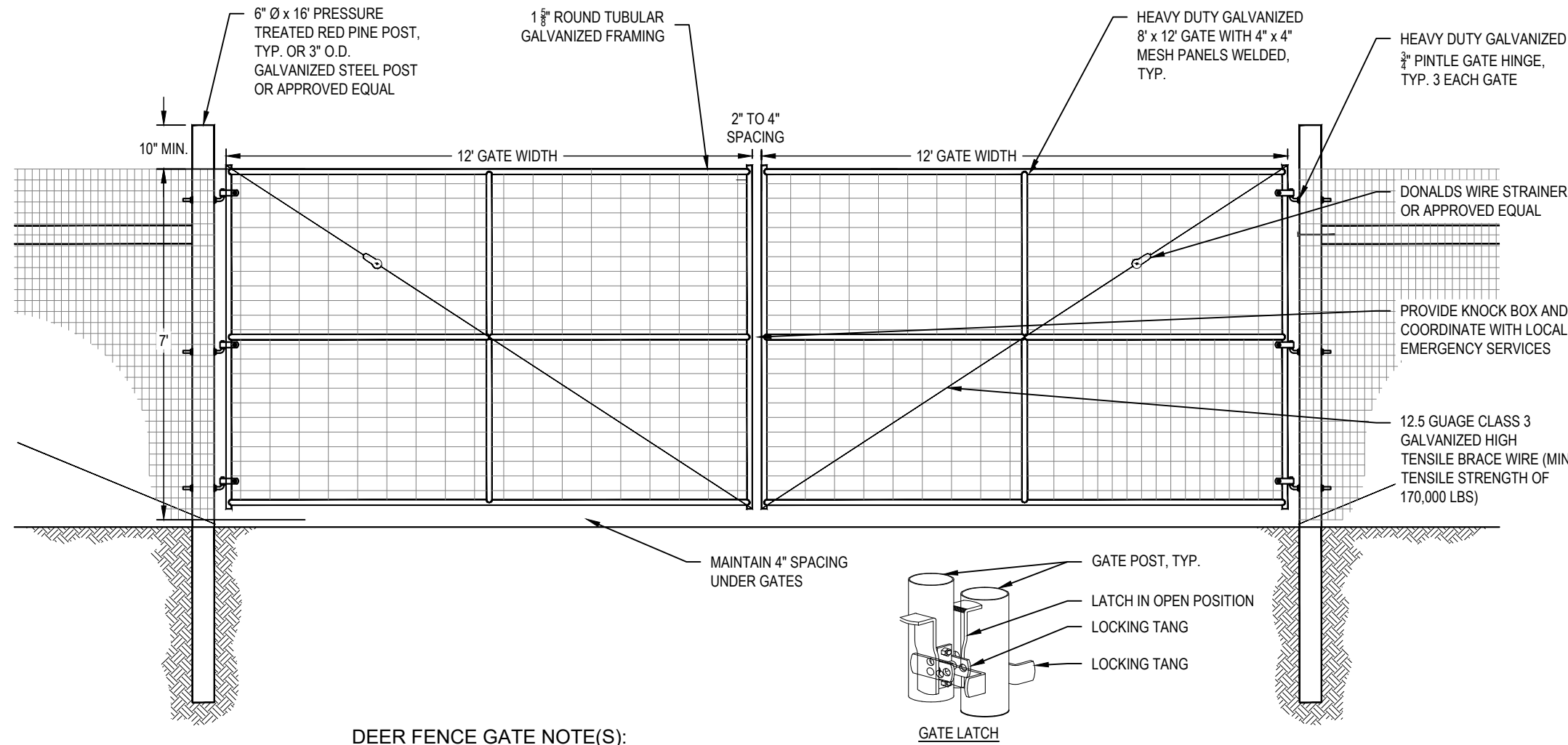
Sheet **9** of **12**

PWGOC Project Number:
DRS2425



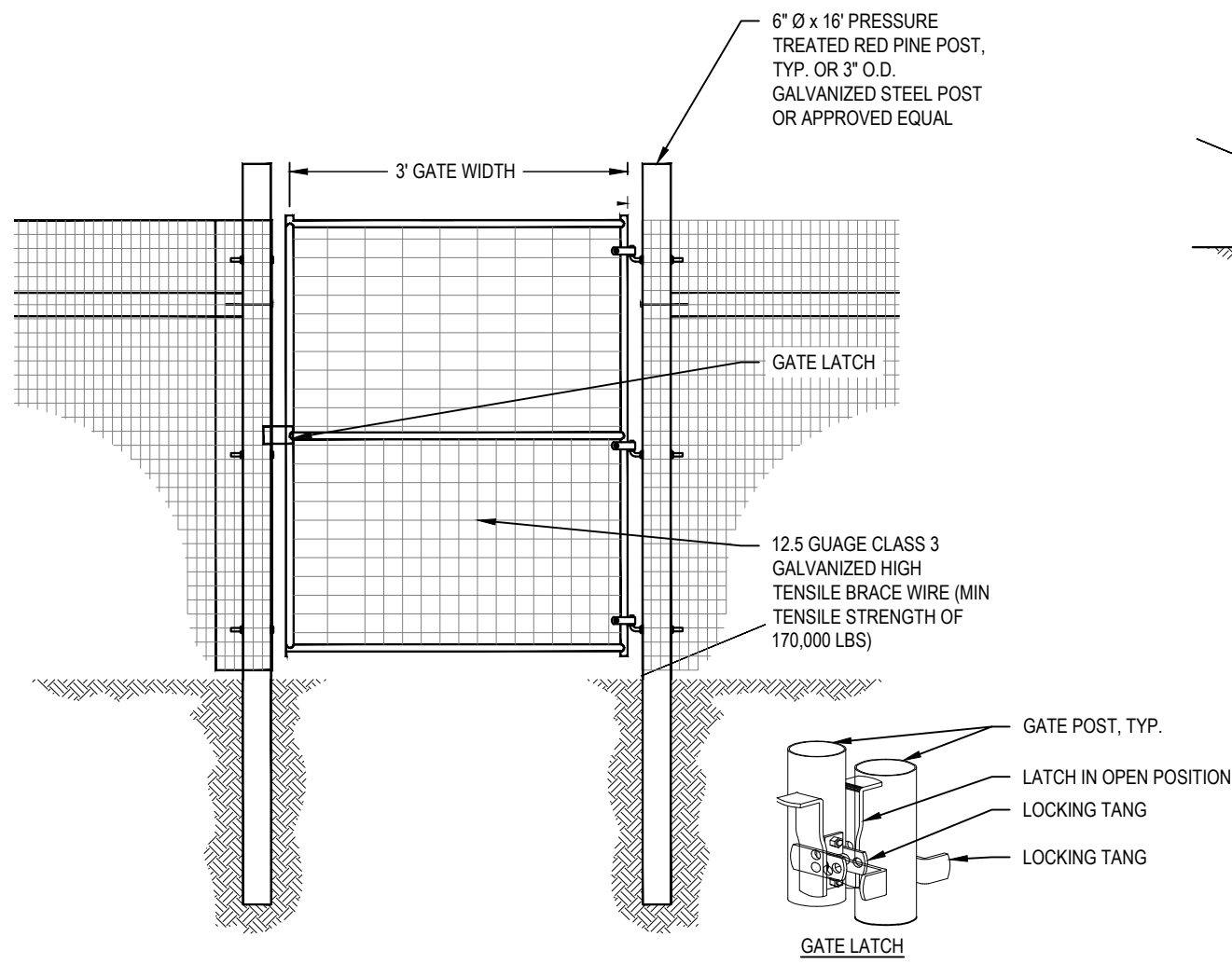
- BRACING NOTES**
- BRACING IS REQUIRED AT ALL CORNER, END GATE, AND PULL ASSEMBLIES IN THE FENCE.
 - CORNERS ARE REQUIRED AT ALL POINTS WHERE THE FENCE ALIGNMENT CHANGES 15 DEGREES OR MORE THREE, 6 IN. X 16 FT. VERTICAL POSTS AND TWO 5 IN. X 16 FT. HORIZONTAL BRACES ARE REQUIRED FOR EACH CORNER.
 - END BRACING IS REQUIRED WHERE THE FENCE ENDS AT A BUILDING OR ON EACH SIDE OF A GATE OPENING. TWO, 6 IN. X 16 FT. VERTICAL POSTS AND ONE 5 IN. X 16 FT. HORIZONTAL BRACE ARE REQUIRED FOR EACH END BRACE.
 - PULL ASSEMBLIES ARE REQUIRED IN STRAIGHT SECTIONS OF FENCE SO THAT THE MAXIMUM DISTANCE BETWEEN CORNERS DOES NOT EXCEED 1,320 FT. TWO 6 IN. X 16 FT. VERTICAL POSTS AND ONE 5 IN. X 16 FT. BRACE ARE REQUIRED.
 - DOUBLE BRACES (FIGURE 4) SHOULD BE USED ON EACH END FOR STRAIGHT FENCE LINES EXCEEDING 1,000 FT. DOUBLE END BRACES REQUIRE THREE 6 IN. X 16 FT. HORIZONTAL BRACES.
 - FENCE SHALL HAVE A MINIMUM HEIGHT OF 8' AS PER CODE.

8-FT DEER FENCE DETAIL
SCALE: NOT TO SCALE

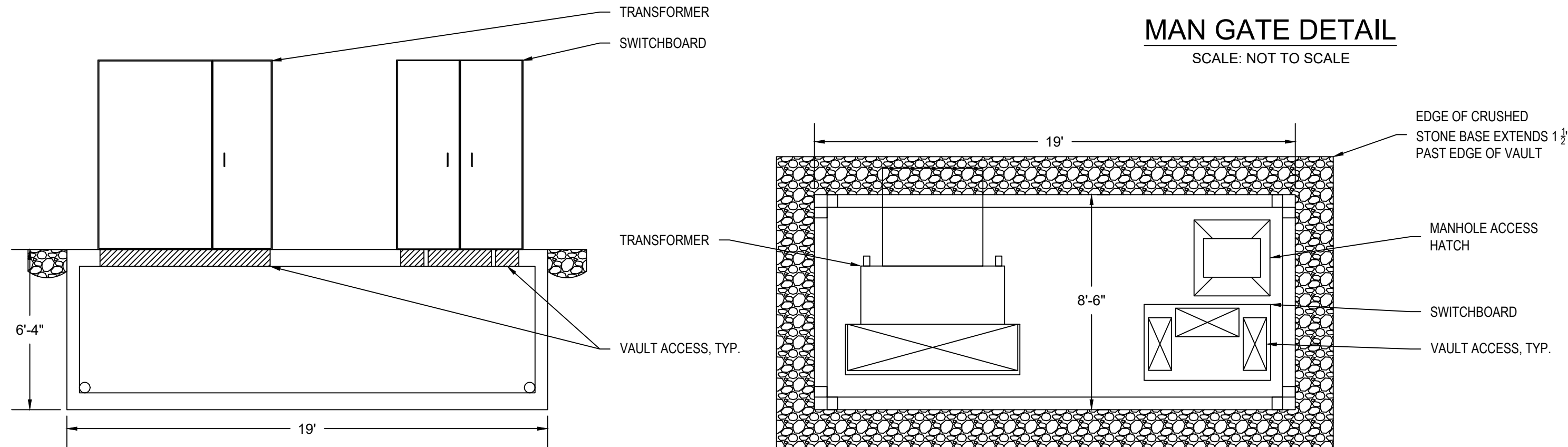


- DEER FENCE GATE NOTE(S):**
- GATE SHALL BE SELF LOCKING
 - OPERATOR IDENTIFICATION AND TELEPHONE NUMBER SHALL BE PROVIDED, AND OPERATOR MUST BE AVAILABLE FOR CONTACT ON A 24 HOUR BASIS.

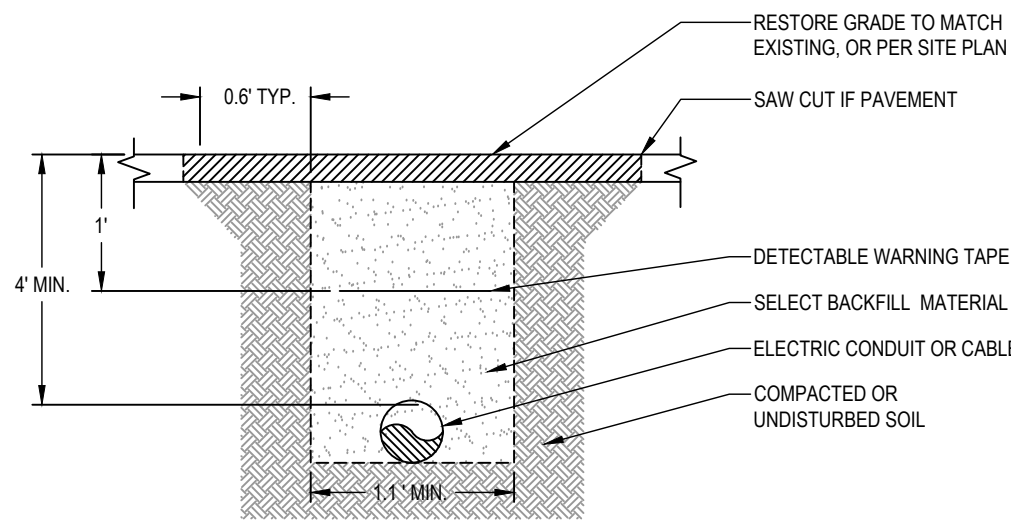
8-FT DEER FENCE GATE DETAIL
SCALE: NOT TO SCALE



MAN GATE DETAIL
SCALE: NOT TO SCALE

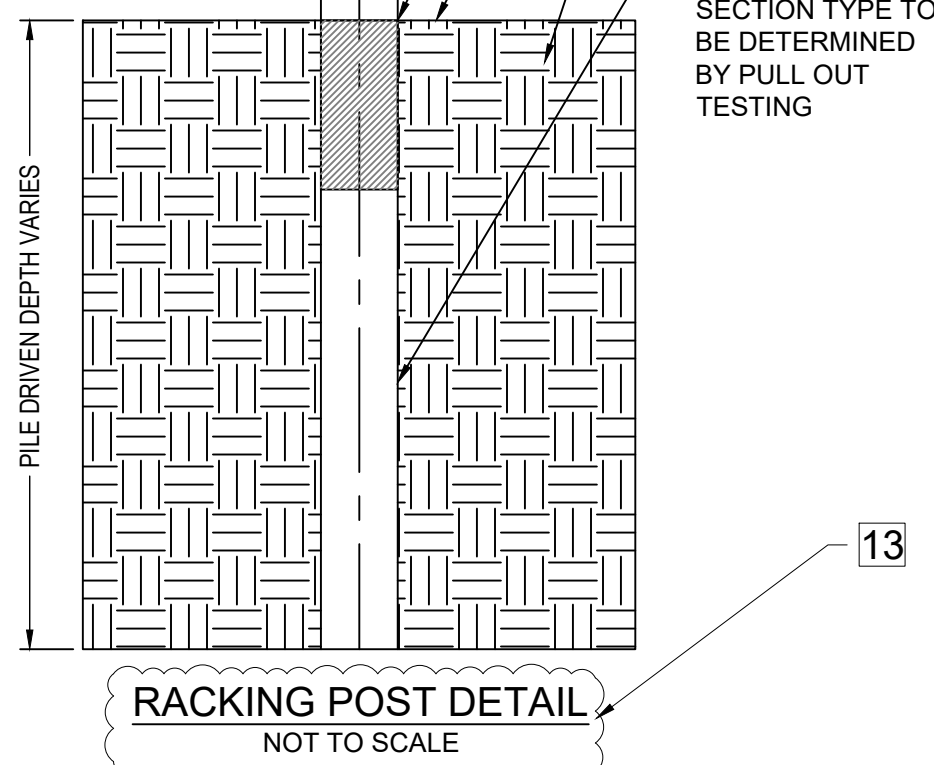


TRANSFORMER AND SWITCHBOARD VAULT DETAIL
SCALE: NOT TO SCALE



ELECTRICAL TRENCH DETAIL
NOT TO SCALE

RACKING NOTE:
INSTALLATION METHOD MAY VARY
WITH ENGINEER APPROVAL.



RACKING POST DETAIL
NOT TO SCALE

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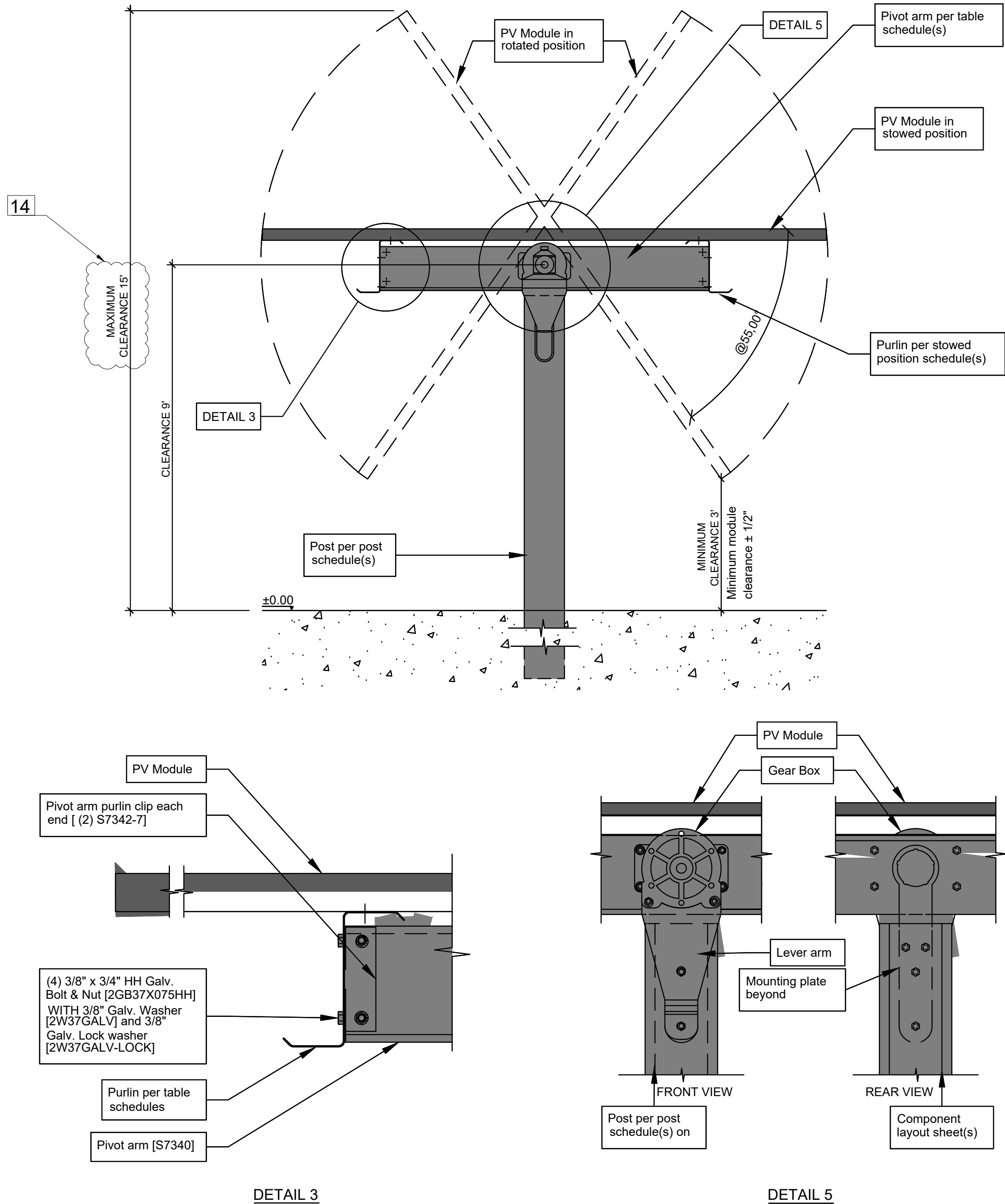
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STEBEN COUNTY, NEW YORK

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113.16-1-14.1, 2.21 & 2.22


Regulatory Reference Number:

Title of Drawing:

SITE DETAILS I




TRACKER SOLAR ARRAY DETAIL
SCALE: NOT TO SCALE



One-In-Portrait Tracker

Technical Specifications


Tracking Technology	Single-row, horizontal, balanced, single-axis	
Tracking Range	120°	
Modules and Configurations	1-in-portrait Monofacial and bifacial modules Framed silicon module – Up to 120 per tracker First Solar Series 6 and Series 7 modules – Up to 96 per tracker	
Dimensions	Height – Modules at 60° – 2.4 m (7.8 feet) Width – Modules horizontal – 2.0 m (6.5 feet) Length – Up to 122 m (400 feet)	
Foundations	Driven C posts – OMCO produced, lower cost, faster lead time Driven I or W posts – OMCO sourced	
Structural Materials	Galvanized steel per ASTM A653	
Drive	1 slew drive per tracker 20 drives per MW (typical)	
Motor	1 24-volt dc brushed motor per tracker 20 motors per MW (typical)	
Control System	1 tracker control unit mounted to each tracker with internal inclinometer DC with 30 or 60-watt module and long-life LiFePO ₄ battery AC up to 264 vac input 1 network controller per 100 – 150 trackers (wireless) 1 or more meteorological stations per site 1 remote access unit per site – datalogger and modem	
Communication	Network controller to tracker controllers: MODBUS over Zigbee wireless Network controller to SCADA: MODBUS TCP/IP over ethernet Cloud app available for remote monitoring and predictive maintenance	
Step Size	1°	
Tracking Algorithm	Based on United States Naval Observatory Solar Position Algorithm Tracking accuracy ±2°	
Backtracking	Optional – Optimized for each tracker based on topography	
Night Stow	Yes	
Wind Stow	Yes	
Snow Stow	Yes	
Snow Sensor	Optional	
Flood Sensor	Optional	
Bearings	Self-lubricating, long-life polymer blend wear surfaces. Adjustable in multiple dimensions to take up post misalignment. Delivered fully assembled from the OMCO Solar factory.	
North-South Slopes	Up to 15%	
Installation	No welding or cutting in the field	
Compliance	UL3703, ASCE7-10	
Warranty	Structural Control system Drive Motor Dampers	10 years 5 years standard, 10 years optional 5 years 5 years 4 years




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Arizona | Ohio | Indiana | Alabama

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US10,944,354 | US11,271,518 | US11,300,979



TRACKER SPECIFICAITON
NOT TO SCALE



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Drawn By	JB	Date Created 03/27/2025
Approved By	EJK	Scale AS NOTED

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449 BROADWAY
MONTICELLO, NY 12701


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County Tax Map Number: 113-16-1-14.1, 2.21 & 2.22
Regulatory Reference Number: ***

Title of Drawing: ***

SITE DETAILS II



Drawing Number:

C-601

Sheet 11 of 12

PWGC Project Number: DRS2425

STANDARD AND SPECIFICATIONS FOR
TEMPORARY CONSTRUCTION AREA
SEEDING FOR WINTER SHUTDOWN

SYMBOL

CONSTRUCTION SPECIFICATIONS

1. THE AREA MUST BE ROUGH GRADED AND SLOPES PHYSICALLY STABLE. LARGE DEBRIS AND ROCKS ARE USUALLY REMOVED.
2. SEED BED MUST BE SEEDED WITHIN 24 HOURS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY PRIOR TO SEEDING.
3. FERTILIZER OR LIME ARE NOT TYPICALLY USED FOR TEMPORARY SEEDINGS.
4. LATE FALL OR EARLY WINTER, THEN SEED CERTIFIED "ARROSTOCK" WINTER RYE AT 100 LBS. PER ACRE (2.5 LBS./1000 SQ. FT.).
5. HYDRO-SEEDING METHOD TO BE USED WHICH WILL PROVIDE UNIFORM APPLICATION OF SEED TO THE AREA AND RESULT IN RELATIVELY GOOD SOIL TO SEED CONTACT.
6. MULCH THE AREA WITH WOOD FIBER HYDRO-MULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL.

STANDARD AND SPECIFICATIONS FOR LOOSE
STABILIZATION BLANKETS FOR WINTER SHUTDOWN

HYDRAULICALLY APPLIED BLANKETS

THESE BLANKETS ARE FORMED BY MIXING DIFFERENT TYPES OF MATERIALS WITH WATER AND ARE THEN APPLIED USING STANDARD HYDROSEEDING EQUIPMENT. THESE BLANKETS SHOULD NOT BE USED IN AREAS OF CONCENTRATED FLOW SUCH AS DITCHES AND CHANNELS.

FLEXIBLE GROWTH MEDIUM (FGM) – THIS METHOD HAS THE ADDED COMPONENT OF 1/2 INCH LONG, CRIMPED MANMADE FIBERS WHICH ADD A MECHANICAL BOND TO THE CHEMICAL BOND PROVIDED BY BRMS. THIS INCREASES THE BLANKET'S RESISTANCE TO BOTH PINGPONG IMPACT AND EROSION DUE TO RUNOFF. UNLIKE BRMS, A FLEXIBLE GROWTH MEDIUM TYPICALLY DOES NOT REQUIRE A CURING TIME TO BE EFFECTIVE. PROPERLY APPLIED, AN FGM IS ALSO VERY EFFECTIVE.

THERE IS NO NEED TO SMOOTH THE SLOPE PRIOR TO APPLICATION. IN FACT SOME ROUGHENING OF THE SURFACE (EITHER NATURAL OR MECHANICALLY INDUCED) IS PREFERABLE.

HOWEVER, LARGE ROCKS (>9 INCHES) AND EXISTING RILLS SHOULD BE REMOVED PRIOR TO APPLICATION. MIXING AND APPLICATION RATES SHOULD FOLLOW MANUFACTURER'S RECOMMENDATIONS.

CONSTRUCTION SPECIFICATIONS

1. FOMS ARE TYPICALLY APPLIED IN TWO STAGES. UNLESS SPECIFICALLY RECOMMENDED TO BE APPLIED IN ONE APPLICATION BY THE MANUFACTURER, THE SEED MIXTURE AND SOIL AMENDMENTS SHOULD BE APPLIED FIRST.
2. AFTER THE SEED MIXTURE IS APPLIED, THE HYDRAULICALLY APPLIED BLANKETS SHOULD BE SPRAYED OVER THE AREA AT THE REQUIRED APPLICATION RATE, ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SEEDING/STABILIZATION
BLANKET
SPECIFICATIONS

SYMBOL

CONSTRUCTION SPECIFICATIONS

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

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STABILIZED
CONSTRUCTION
ENTRANCE

SYMBOL

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH AND ORANGE CONSTRUCTION FENCING TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN.
3. WHEN TWO SECTIONS OF FILTER CLOTH AND ORANGE CONSTRUCTION FENCING ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILUNKA 1140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE

SYMBOL

CONSTRUCTION SPECIFICATIONS

1. CLEAN AND STRIP ROADBED AND PARKING AREAS OF ALL VEGETATION, ROOTS AND OTHERS OBJECTIONABLE MATERIAL.
2. LOCATE PARKING AREAS ON NATURALLY FLAT AREAS AS AVAILABLE. KEEP GRADES SUFFICIENT FOR DRAINAGE, BUT NOT MORE THAN 2 TO 3 PERCENT.
3. PROVIDE SURFACE DRAINAGE AND DIVERT EXCESS RUNOFF TO STABILIZED AREAS.
4. MAINTAIN CUT AND FILL SLOPES TO 2:1 OR FLATTER AND STABILIZED WITH VEGETATION AS SOON AS GRADING IS ACCOMPLISHED.
5. SPREAD 6-INCH COURSE OF CRUSHED STONE EVENLY OVER THE FULL WIDTH OF THE ROAD AND SMOOTH TO AVOID DEPRESSIONS.
6. PROVIDE APPROPRIATE SEDIMENT CONTROL MEASURES TO PREVENT OFFSITE SEDIMENTATION.

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NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

CONSTRUCTION ROAD
STABILIZATION

SYMBOL

CONSTRUCTION SPECIFICATIONS

1. TOP SOIL, SEED, MULCH, AND FERTILIZER DISTURBED SOIL AREAS THAT WILL BE EXPOSED FOR 14 DAYS OR MORE.

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TEMPORARY TOPSOIL
FERTILIZER, SEED
AND MULCH DETAIL

SYMBOL

INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SILT FENCE DETAIL ABOVE.
5. SILT FENCE TO BE 10' FROM TOE OF SLOPE AND 10' FROM PROPERTY LINES.

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SOIL STOCK PILE DETAIL

SEEDING NOTE:

1. ERNEST CONSERVATION SEEDS NORTHEAST POLLINATOR 3' MIX - ERNMX-612 TO BE SEEDED BELOW SOLAR PANELS. SEED AT 40 LB/AC WITH 30 LB/AC OF A COVER CROP. FOR A COVER CROP USE EITHER GRAIN OATS (1 JAN TO 31 JUL) OR GRAIN RYE (1 AUG TO 31 DEC).
2. FOLLOWING SEEDING APPLY AIR-DRIED HAY OR STRAW MULCH FREE OF UNDERSIREABLE SEED AND COURSE MATERIALS AT A RATE OF TWO TONS (100-120 BALES) PER ACRE.

NORTHEAST SOLAR POLLINATOR 3' MIX - ERNMX-612	
SHEEP FESCUE, VARIETY NOT STATED	94.90%
BUTTERFLY MILKWEED	2.50%
PARTRIDGE PEA, PA ECOTYPE	2.00%
SHOWY EVENING PRIMROSE	0.30%
ZIGZAG SPIDERWORT, VA ECOTYPE	0.30%

WINTER SHUTDOWN CONSTRUCTION SCHEDULE

1. POST CLEARING THE EXPOSED SOIL SHALL BE COVERED WITH MATERIAL(S) AS SET FORTH IN THE TECHNICAL STANDARD, NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. TO PREVENT THE EXPOSED SOIL FROM ERODING (SEE STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA SEEDING/STABILIZATION FOR WINTER SHUT DOWN, ABOVE).
2. REGULARLY INSPECT, MAINTAIN AND RE-SEED ANY AREAS THAT ARE NOT ADEQUATELY STABILIZED UP UNTIL THE JULY 1 START DATE AND THEREAFTER, UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
3. SITE INSPECTIONS ARE TO TAKE PLACE TWICE PER MONTH WITH PHOTOS PROVIDED TO THE TOWN TO DEMONSTRATE THAT THE SITE REMAINS STABILIZED/PROTECTED UNTIL CONSTRUCTION STARTS.
4. ONCE CONSTRUCTION STARTS, INSPECTIONS SHALL CONTINUE MONTHLY, WITH PHOTOS SUBMITTED TO THE TOWN, TO ENSURE THAT THE TEMPORARY STABILIZATION MEASURES REMAIN IN PLACE IN AREAS NOT UNDER ACTIVE CONSTRUCTION.

NO TRESPASSING SIGN
NOT TO SCALE

SYMBOL

CONSTRUCTION SPECIFICATIONS

1. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAIN, OPEN DITCHES, STREAMS, OR STREAMS IS ALLOWED.
2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
4. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
5. WASHOUT FACILITIES WILL BE CLEANED OUT OR REPAIRED ONCE THE WASHOUT IS 75% FULL.
6. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
7. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFF-SITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.

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CONCRETE WASHOUT DETAIL

FIRST 10 FT OF FILTER TO BE LESS THAN 2% SLOPE

MAXIMUM OVERALL SLOPE NOT TO EXCEED 8%

SEEDING PER UPLAND SEED MIX SPECIFICATION ON SHEET C-605

MINIMUM TOPSOIL DEPTH 8"

GRADED, UNCOMPACTED OR LIGHTLY COMPACTED SUBGRADE

FILTER STRIP LENGTH PER SOIL/SLOPE/COVER REQUIREMENTS

LEVEL SPREADER (WHERE NECESSARY)

SHEET FLOW

REQUIRED ELEMENTS:

1. MAXIMUM CONTRIBUTING LENGTH SHALL BE 150 FEET FOR PERVIOUS AND 75 FEET FOR IMPERVIOUS SURFACES.
2. RUNOFF SHALL ENTER THE BUFFER AS OVERLAND SHEET FLOW; A FLOW SPREADER CAN BE SUPPLIED TO ENSURE THIS. IF AVERAGE CONTRIBUTING SLOPE CRITERIA CANNOT BE MET (NOTE: A LEVEL SPREADER SHALL BE USED BETWEEN BUFFER SLOPES RANGING BETWEEN 3% AND 15%; FOR BUFFER SLOPES BEYOND 15% THIS PRACTICE CANNOT BE APPLIED).
3. MINIMUM WIDTH OF A VEGETATED FILTER STRIP OR UNDISTURBED RIPARIAN BUFFER SHALL BE 50 FEET FOR SLOPES OF 0% TO 8%, 75 FEET FOR SLOPES OF 8% TO 12% AND 100 FEET FOR SLOPES OF 12% TO 15%.
4. BUFFERS MUST BE FULLY VEGETATED.
5. SITTING AND SIZING OF THE PRACTICE SHOULD ADDRESS WQV AND RUNOFF REDUCTION REQUIREMENTS AND CANNOT RESULT IN OVERFLOW TO UNDESIGNATED AREAS.

NOTE: IN HSG C AND D BUFFER LENGTH SHOULD BE INCREASED BY 15%-20% RESPECTIVELY.

GRASS FILTER STRIP DETAIL
SCALE: NOT TO SCALE

NOTES:

- REMOVE ALL PLASTIC & WIRE TABS. DO NOT CUT BURLAP FROM SIDES OF ROOTBALL.
- REMOVE ALL PLASTIC CORDS FROM TREE BALL, IF PRESENT.

EVERGREEN TREE

SOIL SAUCER, TOP W/ MULCH

SET TOP OF ROOTBALL 1" ABOVE FINISH GRADE

SHREDDED BARK MULCH AT 4" DEPTH

4" DEPTH OF COMPOST. INSTALL AND MIX W/ PLANTING BACKFILL MIXTURE

REMOVE BURLAP FROM TOP 1/3 OF PLANTING BALL

PREPARED PLANTING MIXTURE

25% COMPOST

75% TOPSOIL

PH RANGE: 6.7 TO 7.0

5 LBS. TYPE 1-R00T GROWTH ENHANCER PER CUBIC YARD OF MIXTURE

DO NOT EXCAVATE LOWER THAN BALL DEPTH. IF EXCAVATED BELOW THE BALL DEPTH BACKFILL AND COMPACT TO PREVENT SETTLEMENT.

BRANCHING HEIGHT

DEPTH BALL

BALL DIA.

BALL DIA. x 2 MIN.

TYPICAL EVERGREEN TREE DETAIL

SCALE: NOT TO SCALE

CLIENT DRIVEN SOLUTIONS

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CONSULTANTS

FOR PERMITTING
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7	REVISED PER CLIENT COMMENTS	07.07.2025
6	REVISED PER TOWN COMMENTS	07.01.2025
5	REVISED PER TOWN COMMENTS	06.02.2025
4	REVISED PER TOWN COMMENTS	05.16.2025
3	REVISED SCREENING	05.15.2025
2	REVISED FARMLAND DISTURBANCE	04.29.2025
1	REVISED PER TOWN/VILLAGE COMMENTS	04.08.2025
Number	Revision Description	Revision Date
Designed By	JB	Date Submitted
Approved By	EJK	Date Created
Client	NY AVOCA I, LLC	Scale
Project	449 BROADWAY MONTICELLO, NY 12701	AS NOTED

59930 MAIN ST (NY-415)
SOLAR FARM
CONCEPTUAL PLAN

Project Address
59930 MAIN STREET (NY-415)
TOWN OF AVOCA
STEBUEN COUNTY, NEW YORK

County for Reg. Number
113.16-1-14.1, 2.21 & 2.22

EROSION AND
SED. CONTROL
DETAILS

Drawing Number:

C-602

Sheet

12 of 12

PWGC Project Number:

DRS2425