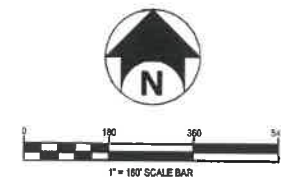




**LEGEND:**

	PROPERTY LINE
	EDGE OF PAVEMENT/GRAVEL
	ROAD CENTERLINE
	ADJ. PROPERTY LINE
	RIGHT-OF-WAY LINE
	EASEMENT LINE
	CONTOUR - MAJOR
	CONTOUR - MINOR
	TREELINE
	OVERHEAD UTILITY WIRE
	DELINEATED STREAM
	100 FT STREAM OR WETLAND BUFFER
	STORM PIPE
	UNDERGROUND GAS LINE
	UNDERGROUND TELEPHONE LINE
	EDGE OF FIELD ROAD
	EDGE OF MOW LINE
	SWALE
	FENCE LINE
	DELINEATED WETLAND - PEM (PALUSTRINE EMERGENT)
	DELINEATED WETLAND - PFO (PALUSTRINE FOREST)
	ONE POST SIGN
	BOLLARD/POST
	REBAR FOUND
	PIPE FOUND
	CONTROL POINT
	GAS METER
	UTILITY POLE
	WATER VALVE
	DECIDUOUS TREE
	INVERT OR INVERT WITH END SECTION
	TELEPHONE JUNCTION BOX



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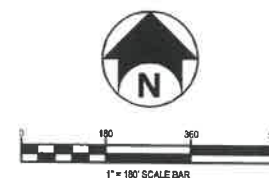




<div style="text-align: center;"> <b>SITE PLAN DATA TABLE</b>  <b>SITE IS LOCATED IN THE "RR" RURAL RESIDENTIAL ZONING DISTRICT.</b> </div>		
<b>PROPOSED USE: SOLAR</b> <b>PARCEL 023-05-01.1 &amp; 024-01-04.0</b> <b>TOWN OF SKANEATELES, COUNTY OF ONONDAGA</b> <b>STATE OF NEW YORK</b>  <b>APPLICANT:</b> <b>TJANNY-SKANEATELES SOLAR FARM, L.L.C.</b> <b>150 JOHN VERTENTE BOULEVARD</b> <b>NEW SEDFORD, MA 02745</b> <b>(315) 558-2344</b>		
<b>OWNER(S) OF RECORD:</b> <b>ELIZABETH SARGENT, TRUSTEE OF</b> <b>GORDON FAMILY BENEFIT TRUST</b>		
<b>PLANS PREPARED BY:</b> <b>BERGMANN</b> <b>2 WINNERS CIRCLE, SUITE 102</b> <b>ALBANY, NY 12205</b> <b>(518) 558-8611</b>		
DESCRIPTION	REQUIRED	PROPOSED (023-05-01.1 & 024-01-04.0)
<b>MIN. LOT SIZE</b>	<b>2 AC</b>	<b>104.875 AC.</b>
<b>MIN. SIDE YARD SETBACK</b>	<b>60 FT</b>	<b>100.56 FT</b>
<b>MIN. FRONT YARD SETBACK</b>	<b>80 FT</b>	<b>785.04 FT</b>
<b>MIN. REAR YARD SETBACK</b>	<b>80 FT</b>	<b>92.04 FT</b>
<b>MAX. PANEL HEIGHT</b>	<b>15 FT</b>	<b>&lt;15 FT</b>
<b>MAX. LOT COVERAGE (EXCLUDING SOLAR PANELS)</b>	<b>20%</b>	<b>1.97%</b>
<b>MAX. LOT COVERAGE (SOLAR PANELS)</b>	<b>25%</b>	<b>20.13%</b>

ELECTRICAL DATA CHART	
SYSTEM SIZE	4,350 MW AC/6,065 MW DC
MODULE TYPE	ZINSHINE SOLAR ZDM7-SHLD144-540M
MODULE QUANTITY	11,232
MODULE WATTAGE	540 W @ STC/614W @ 1000W
INVERTER TYPE	SUNNY HP PEAK3 150-US
INVERTER QUANTITY	26

PROPOSED SOLAR PANELS  
 PROPOSED UNDERGROUND ELECTRIC  
 PROPOSED OVERHEAD ELECTRIC  
 PROPOSED PERIMETER FENCE  
 PROPOSED LAYDOWN/STAGING AREA  
 PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY  
 DELINEATED WETLAND - PEM (PALUSTRINE EMERGENT)  
 DELINEATED WETLAND - PFO (PALUSTRINE FOREST)  
 DELINEATED STREAM  
 100 FT STREAM OR WETLAND BUFFER  
 SETBACK LINE  
 PROPOSED TREELINE  
 EXISTING TREELINE  
 PROPOSED UTILITY POLE



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**TJA-NY-SKANEATELES  
SOLAR FARM, LLC.**

## SKANEATELES SOLAR FARM

740 SHELDON ROAD  
SKANEATELES, NY 13152

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Designer	Reviewer
JL	ECR
Date Issued	Project Number
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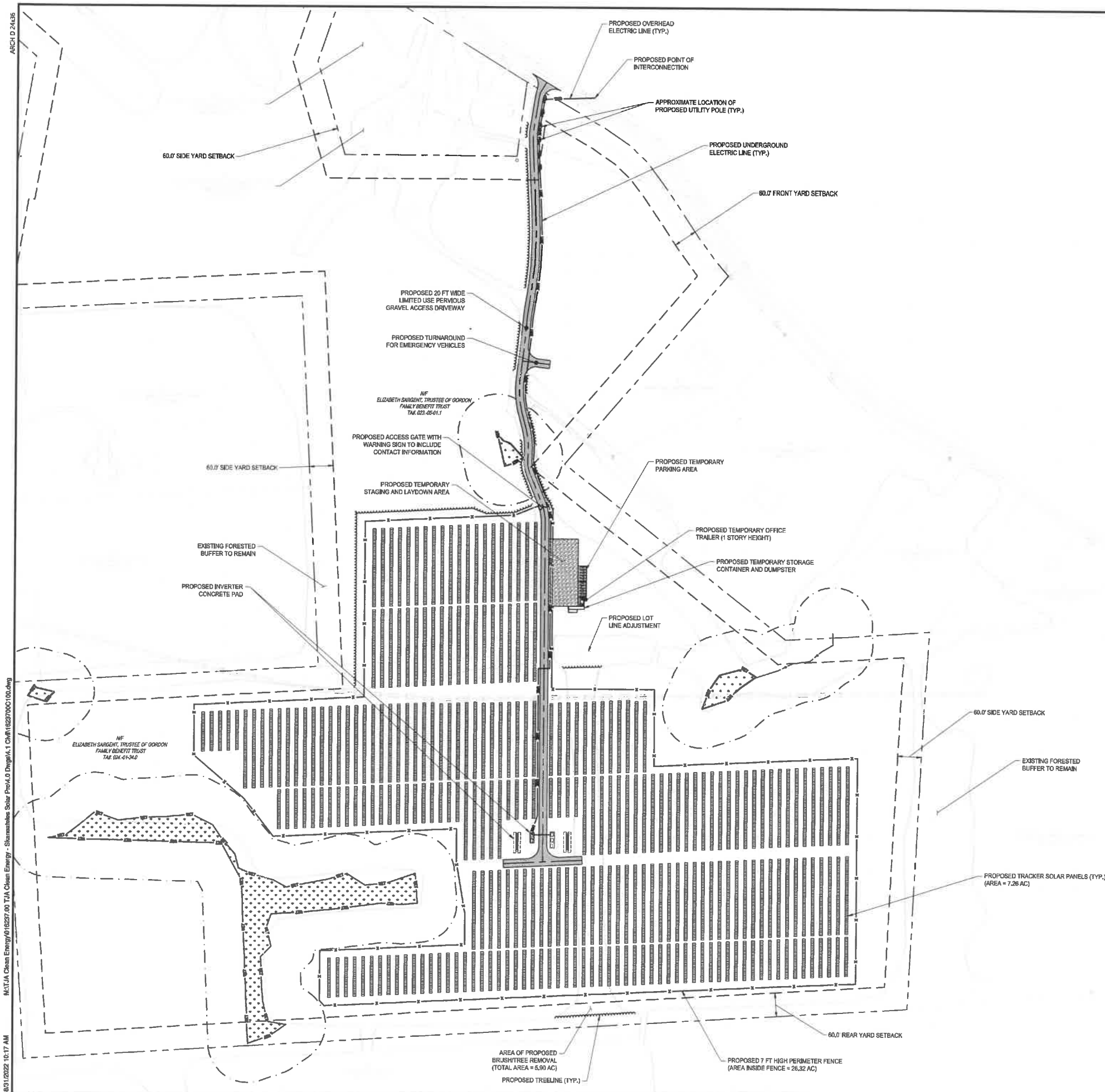
Sheet Name

## OVERALL SITE PLAN

Drawing Number

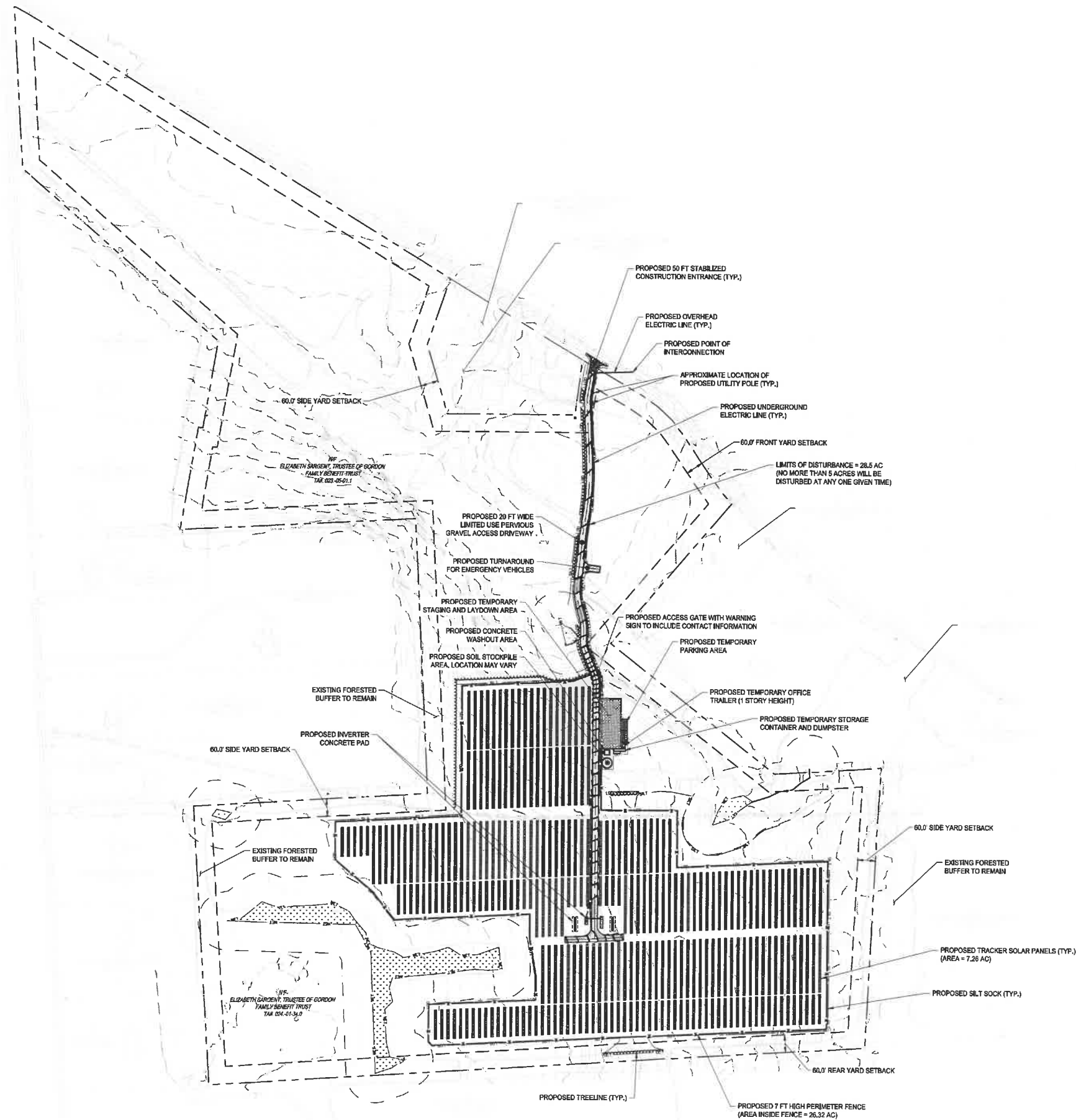
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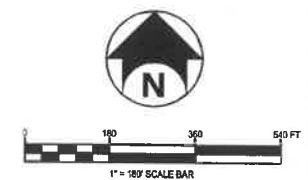


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	PROPOSED SOLAR PANELS
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED OVERHEAD ELECTRIC
	PROPOSED PERIMETER FENCE
	PROPOSED LAYDOWN/STAGING AREA
	PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY
	DELINEATED WETLAND - PEM (PALUSTRINE EMERGENT)
	DELINEATED WETLAND - PFO (PALUSTRINE FOREST)
	DELINEATED STREAM
	SETBACK LINE
	PROPOSED TREELINE
	EXISTING TREELINE
	LIMIT OF DISTURBANCE
	DRIVEWAY SECTION ALIGNMENT
	PROPOSED SILT SOCK
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED UTILITY POLE



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<b>08/31/2022</b>	<b>16237.00</b>

Sheet Name

Sheet Name

# OVERALL GRADING & EROSION CONTROL PLAN

Drawing Number

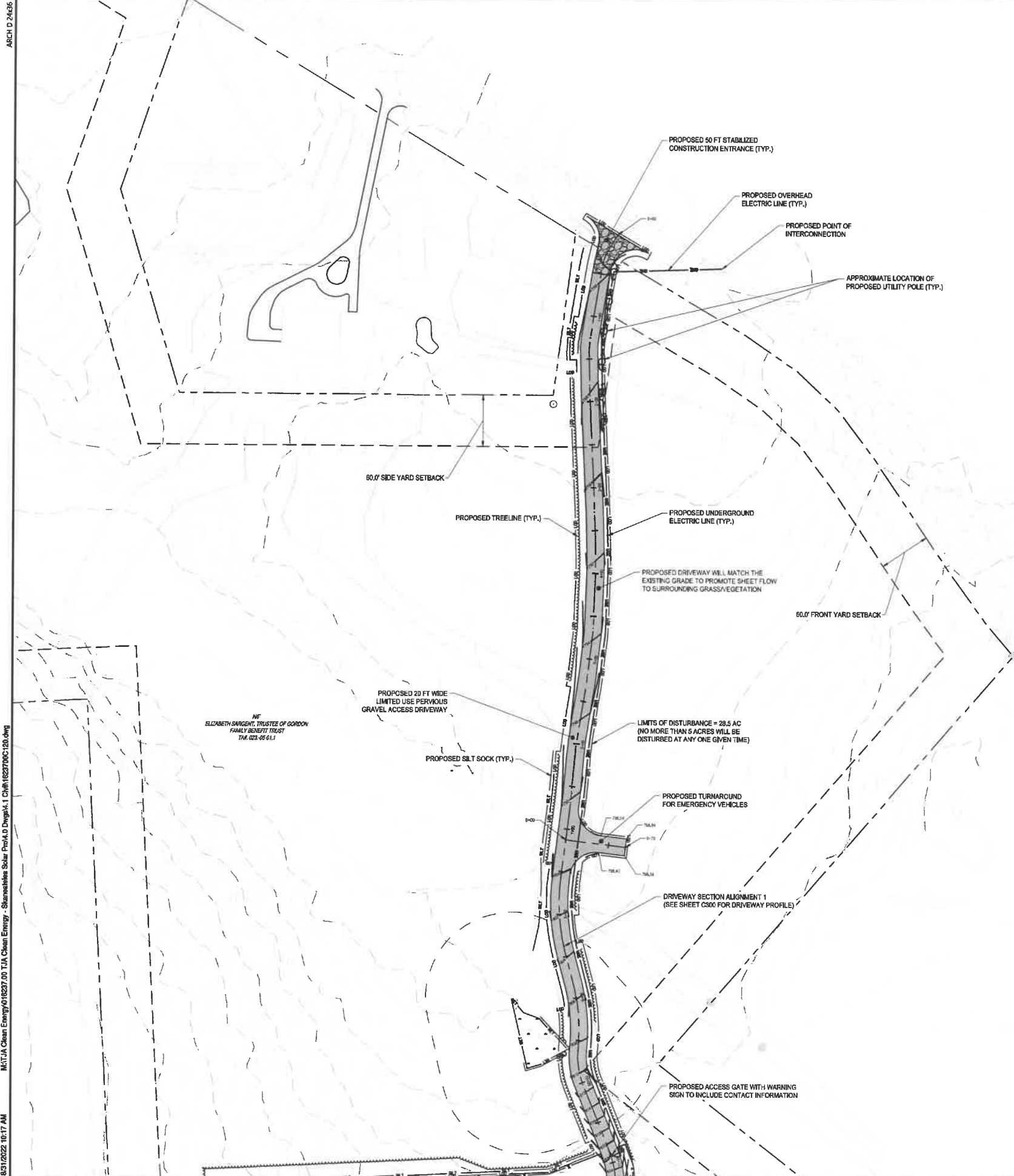
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LEGEND:

- PROPOSED SOLAR PANELS
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED PERIMETER FENCE
- PROPOSED LAYDOWN/STAGING AREA
- PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY
- DELINEATED WETLAND - PEM (PALUSTRINE EMERGENT)
- DELINEATED WETLAND - PFO (PALUSTRINE FOREST)
- DELINEATED STREAM
- SETBACK LINE
- PROPOSED TREE LINE
- EXISTING TREE LINE
- LIMIT OF DISTURBANCE
- DRIVEWAY SECTION ALIGNMENT
- PROPOSED SILT SOCK
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED UTILITY POLE



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**GRADING & EROSION  
CONTROL PLAN**

Drawing Number

**C121**

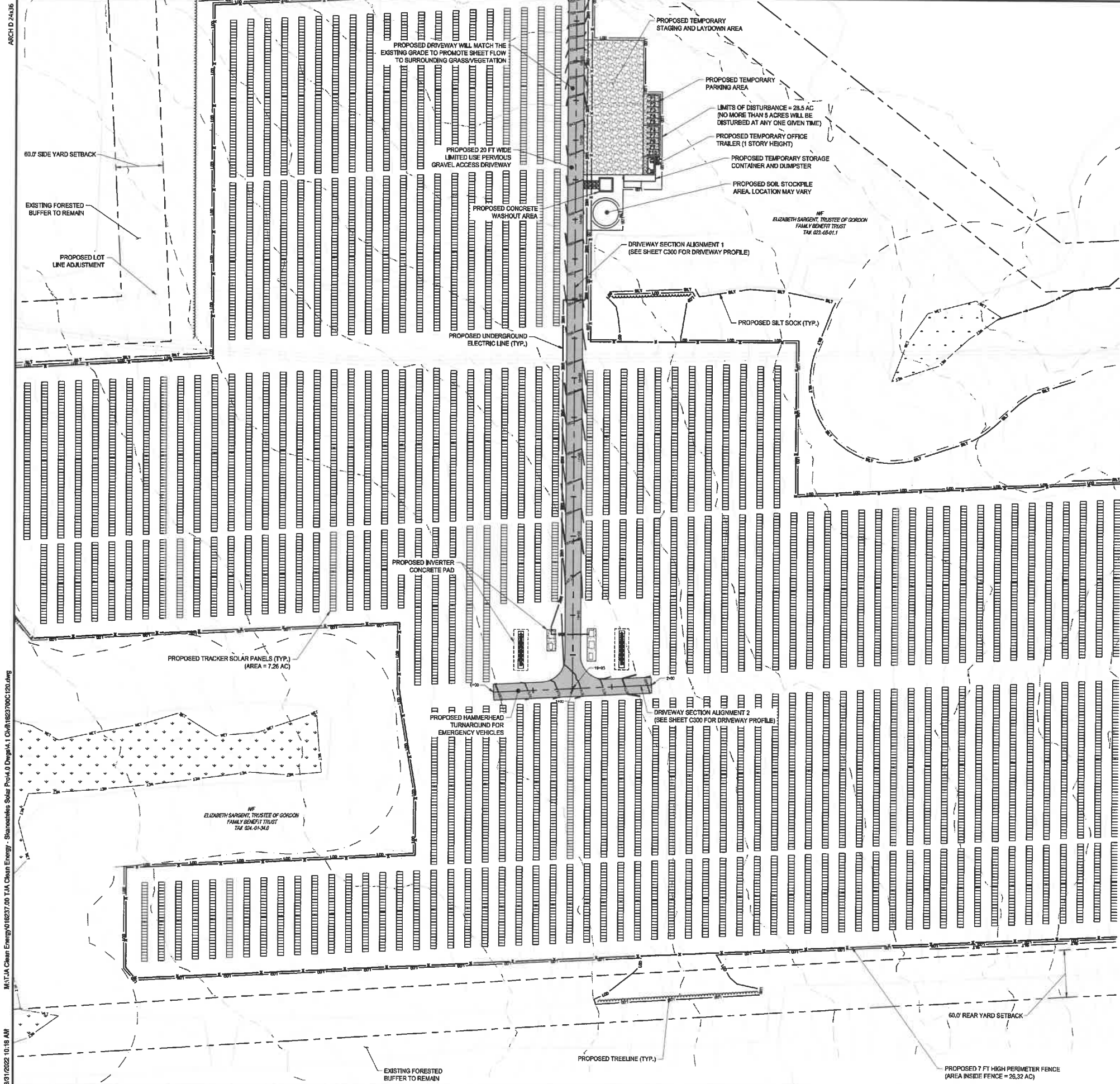
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LEGEND:

- PROPOSED SOLAR PANELS
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED PERIMETER FENCE
- PROPOSED LAYDOWN/STAGING AREA
- PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY
- DELINEATED WETLAND - PEM (PALUSTRINE EMERGENT)
- DELINEATED WETLAND - PFO (PALUSTRINE FOREST)
- DELINEATED STREAM
- SETBACK LINE
- PROPOSED TREELINE
- EXISTING TREELINE
- LIMIT OF DISTURBANCE
- DRIVEWAY SECTION ALIGNMENT
- PROPOSED SILT SOCK
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED UTILITY POLE



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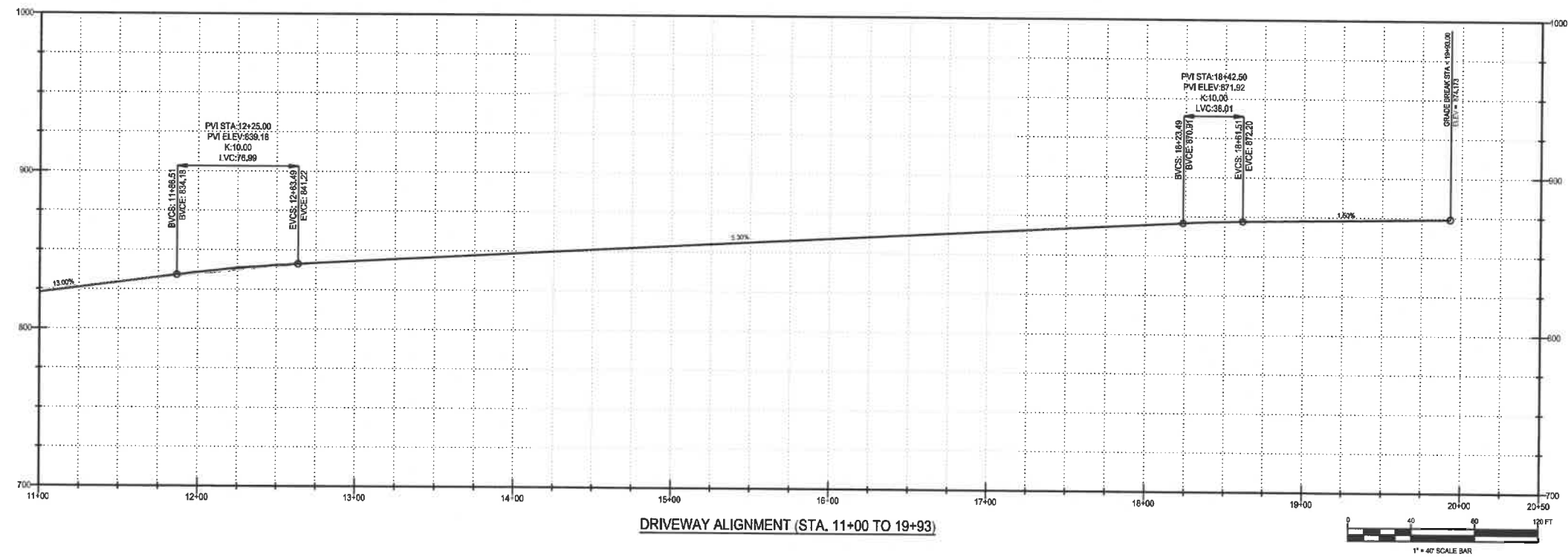
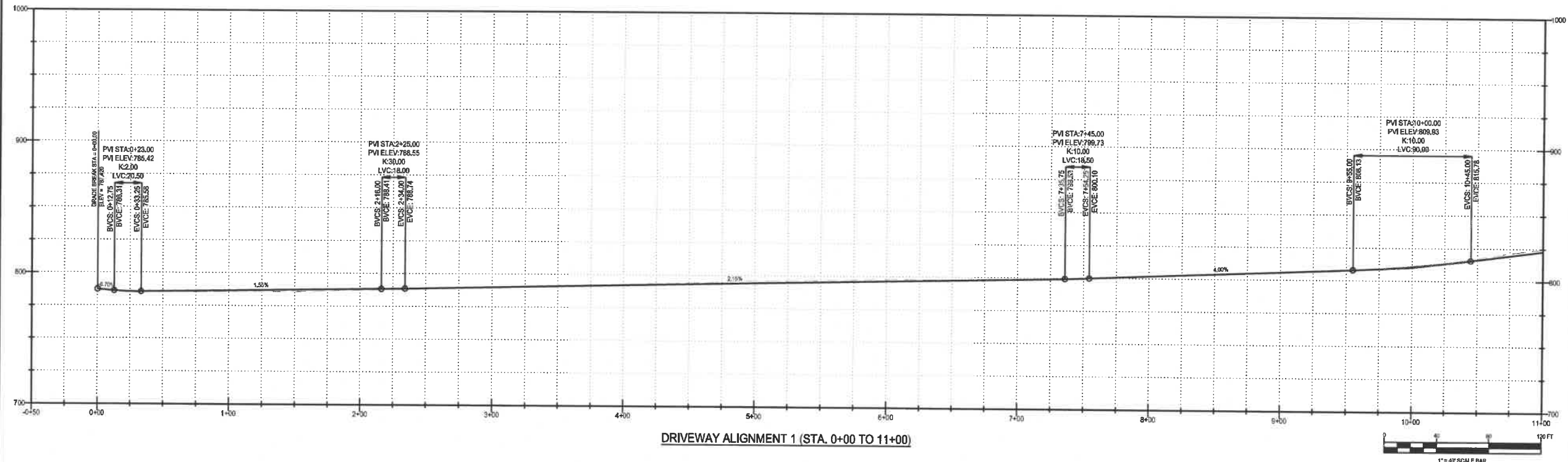
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**GRADING & EROSION  
CONTROL PLAN**

Drawing Number

**C122**





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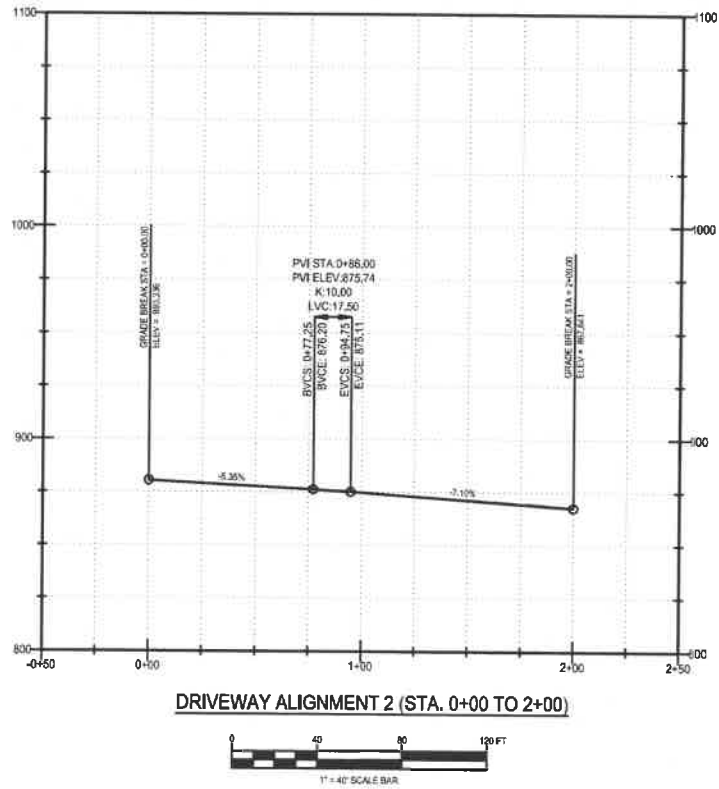
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**DRIVEWAY PROFILE**

Drawing Number

**C300**





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JL	ECR
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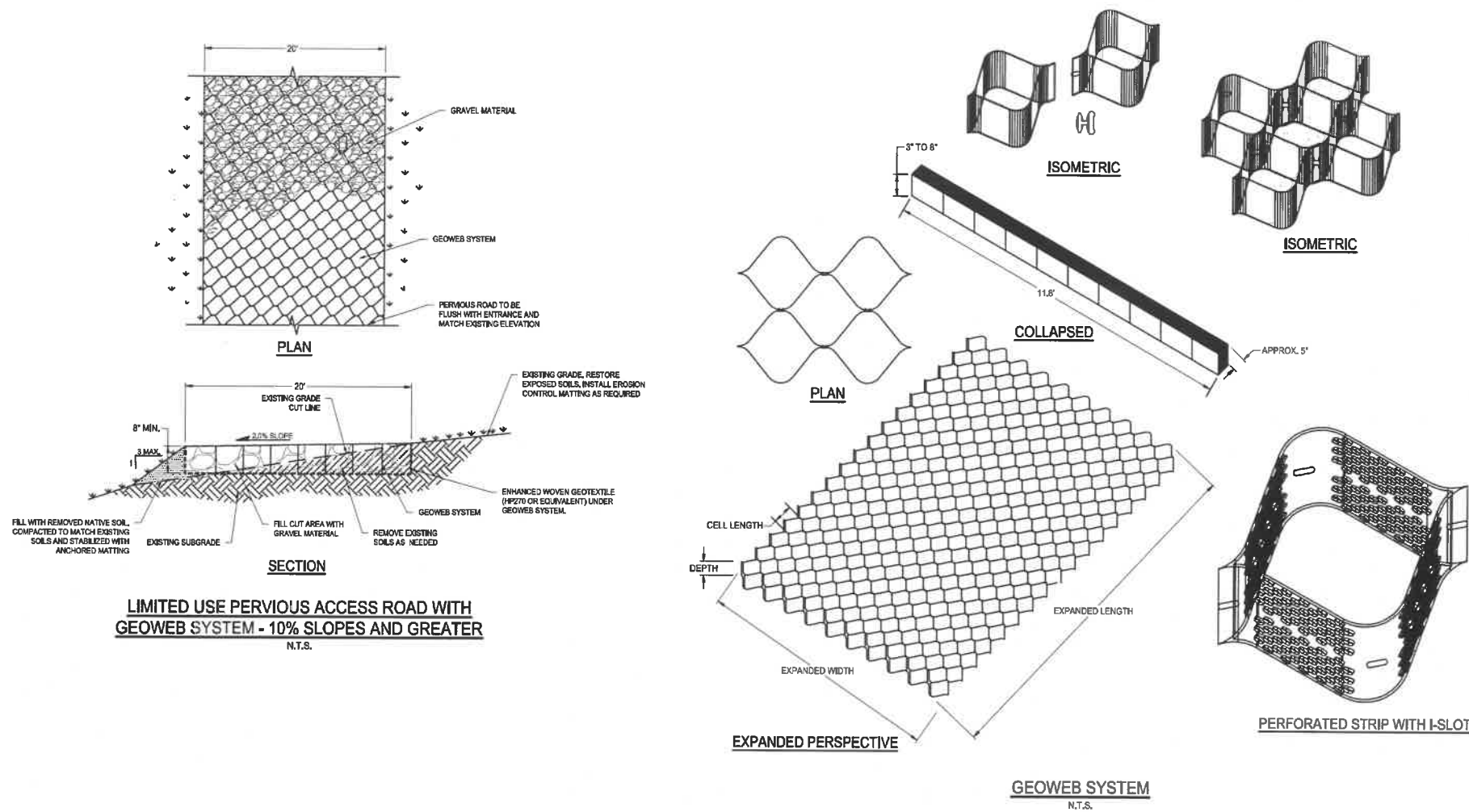
Sheet Name

**DRIVEWAY PROFILE**

Drawing Number

**C301**





**LIMITED USE PERVIOUS ACCESS ROAD WITH  
GEOWEB SYSTEM - 10% SLOPES AND GREATER**  
N.T.S.

#### 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).
- 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 IN SITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORM WATER DRAINAGE.
- GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOILS 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 STORM WATER DRAINAGE.
- ROADWAY WIDTH TO BE DETERMINED BY CLIENT.
- THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 2.0% 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 SERMENT 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 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 FOLLOWING NOTES.
- THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATED FLOW COULD NOT BE AVOIDED. THE INTENTION OF THE 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 CONTROL 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 DISCHARGE 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 USED 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 624-24-001 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.

#### 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 VEEDE SHALL BE PLACED TO ACCOMMODATE ROAD CROSS SLOPE OF 1.5% NATIVE SOIL SHALL BE COMPACTION 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 NYSDOT ITEM 704.4. SEE DESIGNATION 5-6 OF TABLE 205.4. STONE MAY BE PLACED IN FRONT OF AND SPREAD WITH A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTION.
- GEOWEB SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL. GEOWEB SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAIL ROAD SLOPES.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE FLUSH WHEN CONNECTIVE. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRAKES AT THE INTERLEAF AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYPING AN CONNECTIONS.

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

#### WOVEN GEOTEXTILE MATERIAL NOTES:

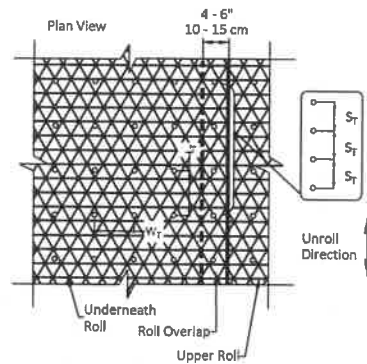
- SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOWLYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST OR GEOTECHNICAL DATA.
- THE CONCERN OF 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.

BASES OF DESIGN: TENCATE MIRA71 RS-SERIES WOVEN GEOSYNTHETICS, 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA 800-865-8660 OR 706-953-2228. WWW.MIRA71.COM

#### Instructions

- Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.
- Begin at the top of the slope by anchoring the RECPs in a 6" (15 cm) deep X 6" (15 cm) wide trench. Anchor the RECPs with a row of staples/stakes/pins spaced at  $S_T$  apart in the bottom of the trench. Backfill and compact the trench after stapling and fold the roll over downslope. Secure RECPs over compacted soil with a row of staples/stakes/pins spaced at  $S_T$  apart across the width of the RECPs.
- Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes/pins in appropriate locations as shown in the staple pattern guide. RollMax RECPs and ECBs should utilize Staple Pattern C, TRMs and VMax materials should utilize Staple Pattern D.
- The edges of parallel RECPs must be stapled with approximately 4" - 6" (10 - 15 cm) overlap.
- Consecutive RECPs spliced down the slope must overlapped with the upstream mat atop the downstream mat (shingle style). The overlap should be 4" - 6" (10 - 15 cm).
- At the terminal end, secure each mat across the width with a row of staples/stakes/pins spaced at  $S_T$ , if exposed to flow, foot traffic, wind uplift, or other disruption, trench the terminal end in as shown in detail.
- Fasteners should provide a minimum of twenty pounds of pullout resistance. Six-inch (10 cm) X one-inch (2.5 cm) eleven gauge staples are typically adequate. In loose soils, longer staples may be necessary, twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may be used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMax (TRM) or TMax (HPTRM) materials.

#### Staple Pattern Guide



- Pin / Staple / Twist Pin, as appropriate for field conditions

Dimension	Staple Pattern	
	C	D
$W_T$	30" (75 cm)	24" (60 cm)
$L_T$	30" (75 cm)	20" (50 cm)
$S_T$	18" (45 cm)	18" (45 cm)
Nominal Frequency	1.7 / SY	3.0 / SY
Application	ECB (Degradable)	TRM (Permanent)

\*Note: Staple Pattern A and B used prior to 8/2019 have been discontinued.

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## TJA-NY-SKANEATELES SOLAR FARM, LLC.

### SKANEATELES SOLAR FARM

740 SHELDON ROAD  
SKANEATELES, NY 13152

Date Revised Description

PRELIMINARY  
NOT FOR  
CONSTRUCTION

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Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
JL	ECR
Date Issued	Project Number
08/31/2022	16227.00

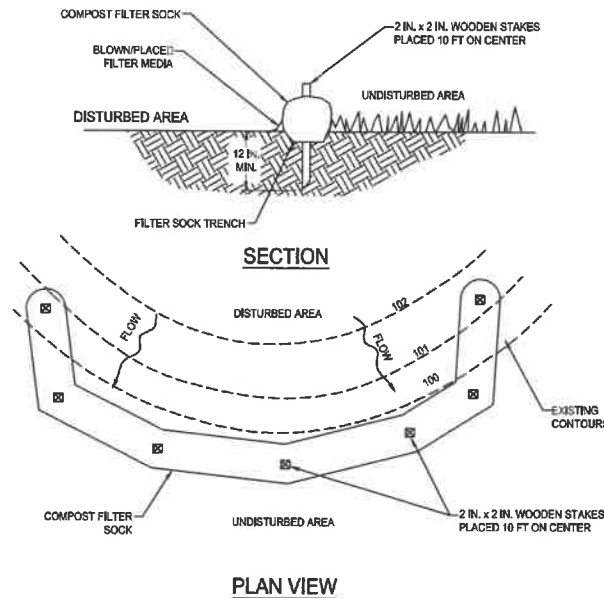
Sheet Name

#### DETAILS I

Drawing Number

**C500**



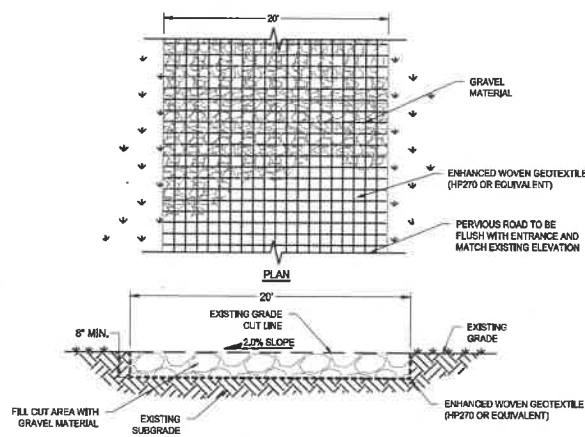


## NOTES:

1. SOCK FABRIC AND COMPOST SHALL MEET ALL STATE STANDARDS.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 6 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. COMPOST FILTER 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 COMPOST 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 SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

## 12" COMPOST FILTER SOCK

N.T.S.



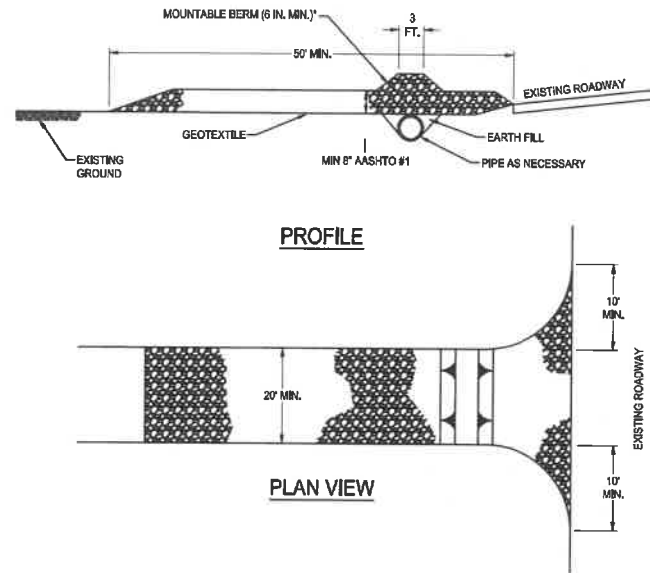
## WOVEN GEOTEXTILE MATERIAL NOTES:

1. SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACED SOILS. PLACED SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACED SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (ASG) OF C OR D OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST OR GEOTECHNICAL DATA.
2. THE CONCERN OF 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.
3. REFER TO SHEET C014 FOR HP270 ENHANCED WOVEN GEOTEXTILE SPECIFICATION DETAIL.

BASIS OF DESIGN: TENCATE MIRAFLEX-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-665-9590 OR 706-683-2226; WWW.MIRAFLEX.COM

## LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES

N.T.S.



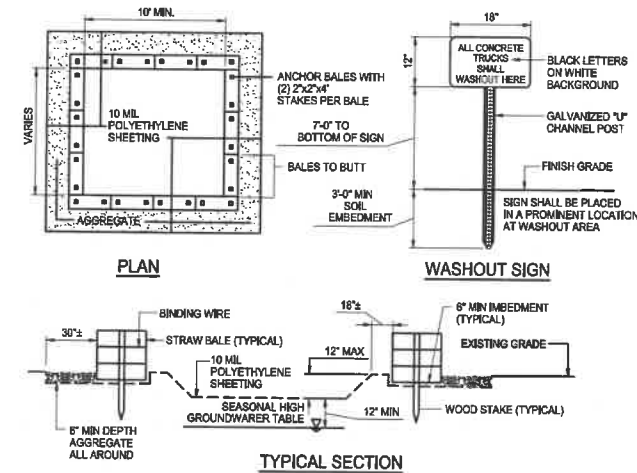
\* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

## NOTES:

1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE, EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
4. MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK, WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

## STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



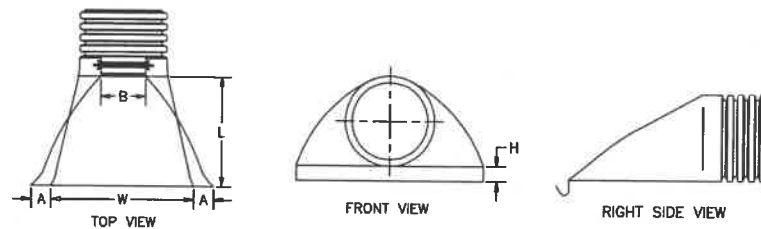
## NOTES:

1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

## CONCRETE WASHOUT AREA

N.T.S.

PIPE DIAMETER, in (mm)						
Diameter in (mm)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)
A	6.5	6.5	7.5	7.5	7.5	7.5
in (mm)	(165)	(165)	(191)	(191)	(191)	(191)
B (max)	10.0	10.0	15.0	18.0	22.0	25.0
in (mm)	(254)	(254)	(381)	(475)	(559)	(635)
H	6.5	6.5	6.5	6.5	8.6	8.6
in (mm)	(165)	(165)	(165)	(165)	(218)	(218)
L	25.0	25.0	32.0	36.0	58.0	58.0
in (mm)	(635)	(635)	(813)	(914)	(1473)	(1473)
W	29.0	29.0	35.0	45.0	63.0	63.0
in (mm)	(737)	(737)	(889)	(1143)	(1600)	(1600)



## NOTES:

1. PRODUCT SHOWN FROM ADS, INC. OF HDPE MEETING ASTM D3350 MINIMUM CELL CLASSIFICATION 213320C
2. AN ALTERNATIVE SUPPLIER CAN BE USED AS LONG AS MINIMUM SPECIFICATIONS ABOVE ARE MET
3. WHEN PROVIDED, METAL THREADED FASTENING ROD SHALL BE STAINLESS STEEL
4. INVERT OF THE PIPE AND THE END SECTION SHALL BE AT THE SAME ELEVATION

## TYPICAL FLARED END SECTION SPECIFICATION

N.T.S.

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**TJA-NY-SKANEATELES  
SOLAR FARM, LLC.**

**SKANEATELES  
SOLAR FARM**

740 SHELDON ROAD  
SKANEATELES, NY 13152

Date Revised	Description

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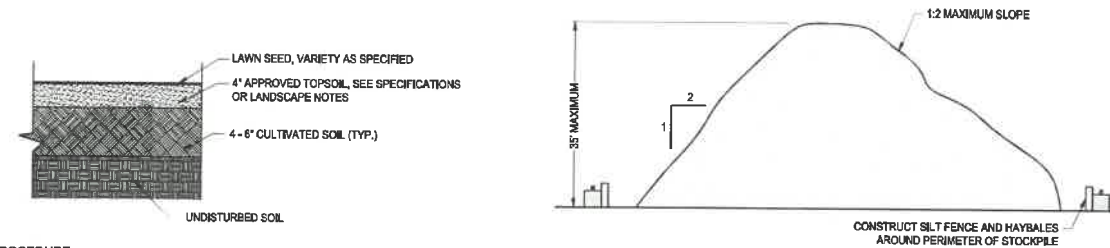
Project Manager ECR	Discipline Lead ECR
Designer JL	Reviewer ECR
Date Issued 08/31/2022	Project Number 18237-00
Sheet Name	

**DETAILS II**

Drawing Number

**C501**

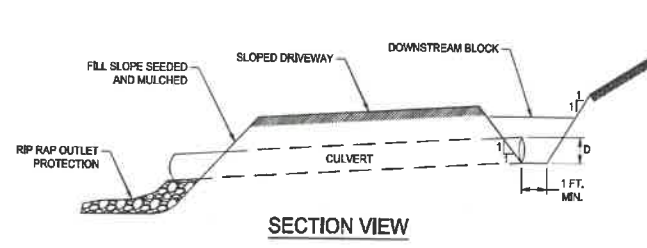


**SEEDING PROCEDURE:**

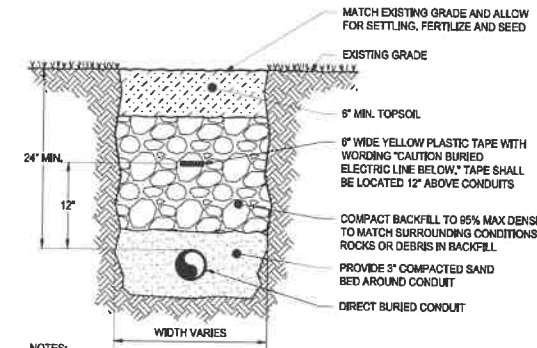
1. CULTIVATE ENTIRE AREA TO 4-6\"/>

**SOIL RESTORATION DETAIL**  
N.T.S.**NOTES:**

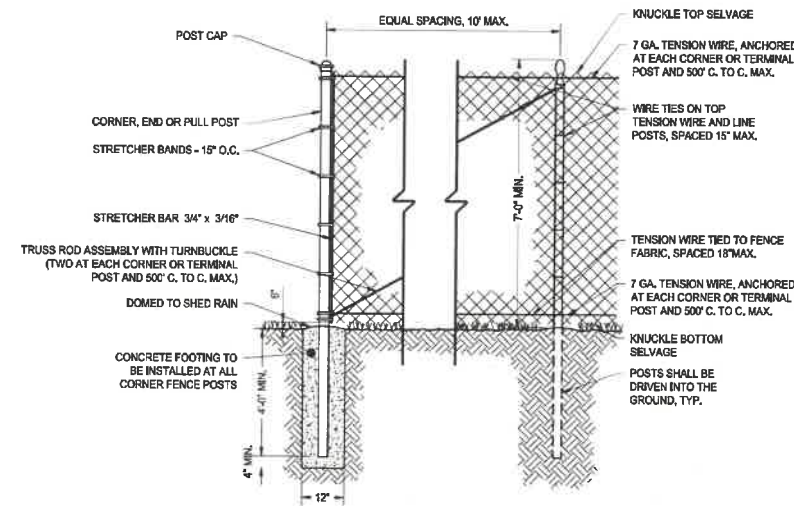
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. APPLICATION OF SOIL STABILIZATION MEASURES, I.E. SEEDING AND MULCH APPLICATION, SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS FROM THE DATE SOIL ACTIVITY HAS CEASED.
5. LOCATION OF THE SOIL STOCKPILE TO BE DETERMINED BY CONSTRUCTION MANAGER ON SITE.

**STOCKPILE DETAIL**  
N.T.S.**SECTION VIEW****NOTES:**

1. CUT AND FILL SLOPES SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF DRIVEWAY GRADING. THESE AREAS SHALL BE BLANKETED WHEREVER THEY ARE LOCATED WITHIN 50 FEET OF A SURFACE WATER OR WITHIN 100 FEET OF A HIGH QUALITY OR EXCEPTIONAL VALUE SURFACE WATER OR WHERE A SUITABLE VEGETATIVE FILTER STRIP DOES NOT EXIST.
2. A TOP DRESSING COMPOSED OF HARD, DURABLE STONE SHALL BE PROVIDED FOR SOILS HAVING LOW STRENGTH.
3. DRIVEWAY DITCHES SHALL BE PROVIDED WITH ADEQUATE PROTECTIVE LINING WHEREVER RUNOFF CANNOT SHEET FLOW AWAY FROM THE DRIVEWAY.
4. DRIVEWAY SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED DRIVEWAYS, DITCHES, OR CROSS DRAINS SHALL BE REPAIRED IMMEDIATELY.

**CROSS CULVERT**  
N.T.S.**NOTES:**

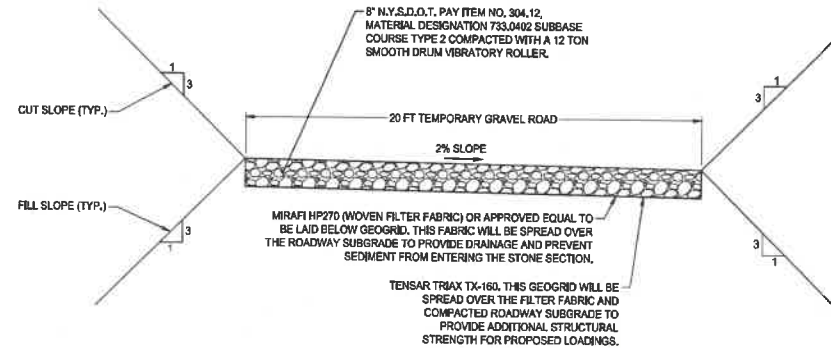
1. REPAIR ALL SETTLEMENT
2. MINIMUM TOP SOIL DEPTH 6"
3. MULTIPLE CONDUITS SHALL BE SPACED 7" ON CENTER

**DIRECT BURIED CONDUIT TRENCH DETAIL**  
(IN GRASS)  
N.T.S.**NOTES:**

1. ALL POSTS SHALL BE PLUMB
2. WIRE TIES SHALL BE PLACED 15" ON CENTER ALONG TOP RAIL AND LINE POSTS.

**CHAIN-LINK FENCE DETAIL**  
N.T.S.

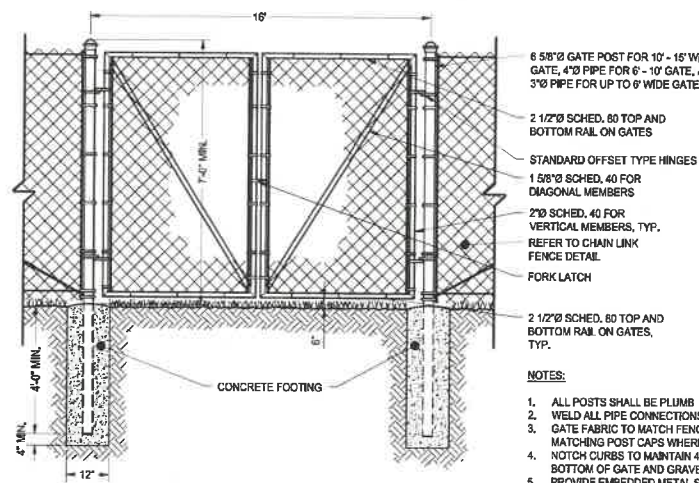
USE	NOM. OD.
LINE POSTS	2 1/2"
CORNER, END, GATE, & PULL POSTS	3"
RAILS	1 5/8"
GATE FRAMES	2"

**TEMPORARY GRAVEL CONSTRUCTION ROAD**  
N.T.S.**CONSTRUCTION NOTES:**

1. 8" N.Y.S.D.O.T. PAY ITEM NO. 304.12, MATERIAL DESIGNATION 733.0402 SUBBASE COURSE TYPE 2 COMPACTED WITH A 12 TON SMOOTH DRUM VIBRATORY ROLLER.
2. ACCESS DRIVE STONE TO BE ACQUIRED FROM N.Y.S.D.O.T. APPROVED QUARRY.
3. THE DRIVEWAY SHOULD BE STRIPPED OF VEGETATION AND TOPSOIL, THEN PROOFROLLED WITH A LOADED TRUCK.
4. IF ANY SOFT SURFACE SOILS ARE ENCOUNTERED, THEY SHOULD BE REMOVED AND REPLACED WITH COMPACTED FILL. ALL UNSTABILIZED FILL MATERIAL MUST PRODUCE A CBR OF 3.0 OR GREATER.

**NOTES:**

1. CUT AND FILL SLOPES SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF DRIVEWAY GRADING. THESE AREAS SHALL BE BLANKETED WHEREVER THEY ARE LOCATED WITHIN 50 FEET OF A SURFACE WATER OR WITHIN 100 FEET OF A HIGH QUALITY SURFACE WATER OR WHERE A SUITABLE VEGETATIVE FILTER STRIP DOES NOT EXIST.
2. A TOP DRESSING COMPOSED OF HARD, DURABLE STONE SHALL BE PROVIDED FOR SOILS HAVING LOW STRENGTH.
3. DRIVEWAY DITCHES SHALL BE PROVIDED WITH ADEQUATE PROTECTIVE LINING WHEREVER RUNOFF CANNOT SHEET FLOW AWAY FROM THE DRIVEWAY.
4. DRIVEWAY SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED DRIVEWAYS, DITCHES, OR CROSS DRAINS SHALL BE REPAIRED IMMEDIATELY.

**CHAIN-LINK FENCE GATE DETAIL**  
N.T.S.**NOTES:**

1. ALL POSTS SHALL BE PLUMB
2. WELD ALL PIPE CONNECTIONS.
3. GATE FABRIC TO MATCH FENCE FABRIC. PROVIDE MATCHING POST CAPS WHERE REQUIRED.
4. NOTCH CURBS TO MAINTAIN 4" HEIGHT BETWEEN BOTTOM OF GATE AND GRAVEL.
5. PROVIDE EMBEDDED METAL SLEEVE AND HOLD OPEN FOR EACH LEAF OF GATE.
6. CONTRACTOR SHALL INSTALL A KNOX BOX NEXT TO GATE FOR FIRE DEPARTMENT ACCESS.
7. POSTS SHALL BE DRIVEN INTO THE GROUND.
8. PROVIDE 6" WILDLIFE GAP BELOW FENCE

**MOUNTED GATE AND FENCE LABEL (NOT TO SCALE)****NOTES:**

1. MOUNT TO EACH GATE DOOR AND FENCE PERIMETER LOCATION (APPROX. EVERY 300') WITH RESPECTIVE NOMENCLATURE.
2. THIS SIGN IS TO BE MADE OF ALUMINUM

**WARNING SIGNS**  
N.T.S.**MOUNTED GATE AND FENCE LABEL (NOT TO SCALE)****NOTES:**

1. MOUNT TO EACH GATE DOOR AND FENCE PERIMETER LOCATION (APPROX. EVERY 50') WITH RESPECTIVE NOMENCLATURE.
2. THIS SIGN IS TO BE MADE OF ALUMINUM

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**TJA-NY-SKANEATELES**  
**SOLAR FARM, LLC.**

**SKANEATELES**  
**SOLAR FARM**  
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Date Revised	Description
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Project Manager	Discipline Lead
ECR	ECR
Designer	Reviewer
JL	ECR
Date Issued	Project Number
06/31/2022	16237.00

Sheet Name

**DETAILS III**

Drawing Number

**C502**