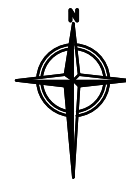
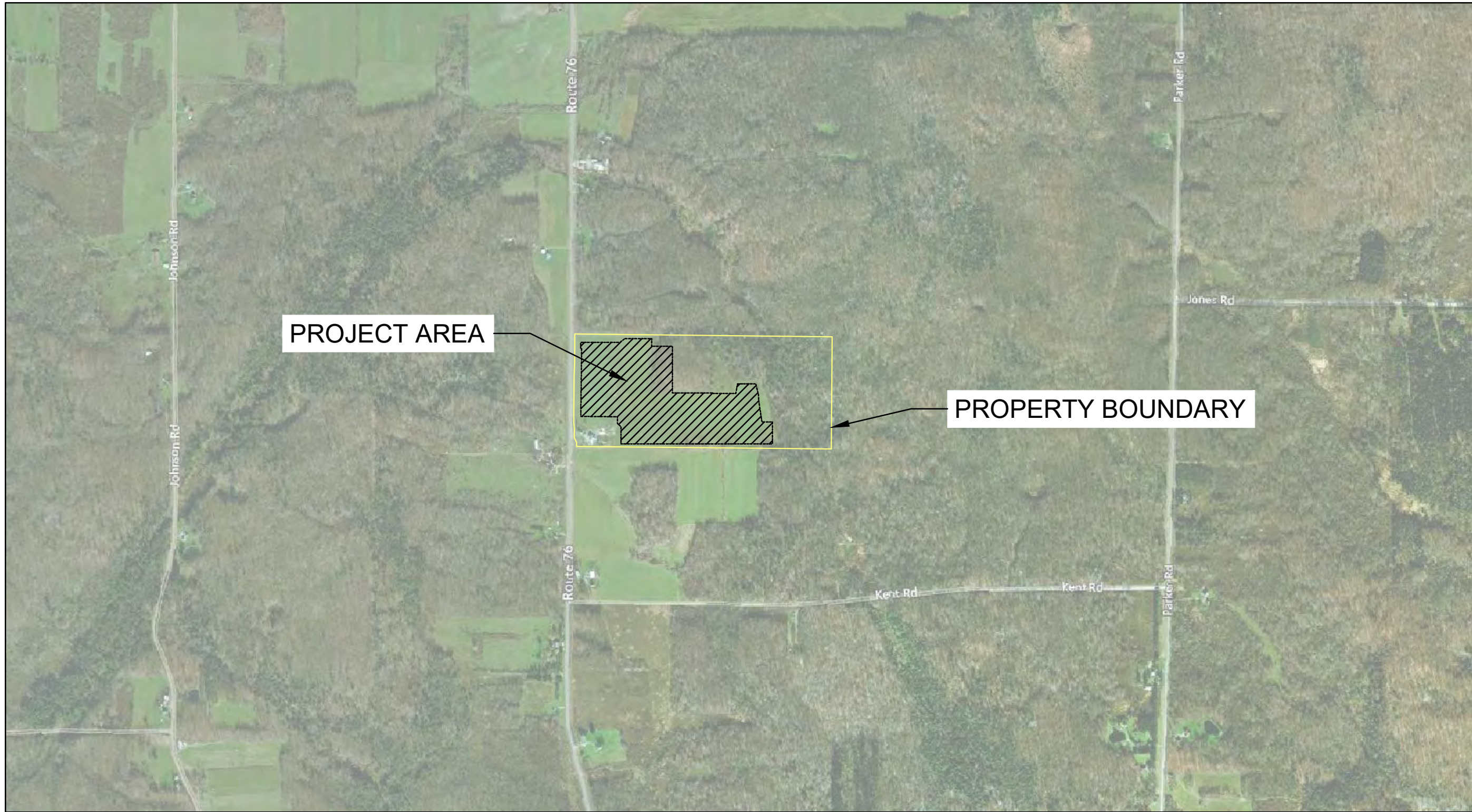


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Printed: 3/4/2022 4:55 PM



LOCATION MAP
SCALE 1"=1000'

PROJECT DEVELOPER CLEAN CHOICE ENERGY 1055 THOMAS JEFFERSON ST, NW WASHINGTON, DC 20007 (518) 369-3675	PROJECT SCOPE THIS PERMITTING PACKAGE PROVIDES DRAWINGS AND DETAILS FOR THE INSTALLATION OF A SOLAR PHOTOVOLTAIC SYSTEM IN THE STATE OF NEW YORK. THIS DRAWING SET IS FOR DISCRETIONARY PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION.
CIVIL ENGINEER TETRA TECH ENGINEERING CORPORATION PC 3136 SOUTH WINTON RD, SUITE 303 ROCHESTER, NEW YORK 14624 (585) 417-4009	APPLICABLE CODES & STANDARDS <ul style="list-style-type: none">NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)NFPA 855 (REFERENCE ONLY)2020 FIRE CODE OF NEW YORK STATE2020 BUILDING CODE OF NEW YORK STATE2016 NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL2015 NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUALTOWN OF RIPLEY ZONING CODE
PROPERTY OWNER LEWIN E MARTIN 5246 NY-76 RIPLEY, NY 14775	

GATEWAY COMMUNITY SOLAR GARDEN

5246 NY-76
RIPLEY, NY 14775
PARCEL # 276.00-1-7.1
DISCRETIONARY PERMITTING

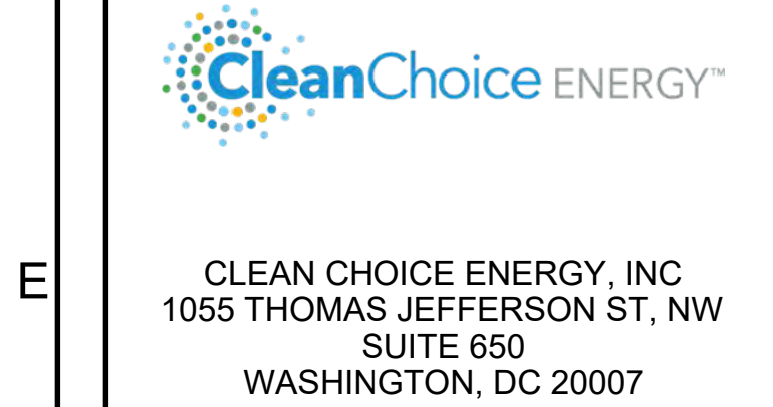
DRAWING INDEX			
SHEET NUMBER	SHEET TITLE	REV NO.	DATE
C-001	CIVIL TITLE SHEET	E	2/18/2022
C-002	NOTES	B	2/18/2022
C-101	EXISTING CONDITIONS	B	11/01/2021
CD-201	TREE CLEARING PLAN	E	2/18/2022
C-201	SITE PLAN	E	2/18/2022
C-202	GRADING PLAN	C	11/09/2021
C-203	EROSION & SEDIMENT CONTROL PLAN	E	2/18/2022
C-204	LANDSCAPING PLAN	E	2/18/2022
C-301	ACCESS ROAD & ROAD PROFILE DETAILS	C	11/09/2021
C-401	EROSION & SEDIMENT CONTROL DETAILS	A	7/21/2021
C-402	EROSION & SEDIMENT CONTROL DETAILS	B	2/18/2022
C-403	FENCE & GATE DETAILS	A	7/21/2021

PROJECT SUMMARY	
PARCEL NUMBER	276.00-1-7.1
PARCEL ACREAGE	64.78 ACRES
ZONING CLASSIFICATION	RA-RURAL/AGRICULTURAL
FRONT SETBACK	100 FT
REAR SETBACK	50 FT
SIDE SETBACK	50 FT
LEASED PREMISES AREA	29.83 ACRES
FACILITY AREA	29.90 ACRES (1,302,492 SF)
LOT COVERAGE	29.90 ACRES / 64.78 ACRES = 46%
LATITUDE/LONGITUDE	42.2259°/-79.6562°
SYSTEM SIZE (DC)	6.88 MW
SYSTEM SIZE (AC)	5.00 MW
MODULE STC RATING	525 W
# OF MODULES	13,100
EQUIPMENT PAD	2
POLE	5

CIVIL INFORMATION	
ROAD LENGTH	±1,705 FT
FENCE LENGTH	±5,953 FT
SILT FENCE LENGTH	±4,592 FT

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STAMP:

GATEWAY COMMUNITY
SOLAR GARDEN

5246 NY-76
RIPLEY, NY 14775

PROJECT NUMBERS:
194-1171-0003

SHEET TITLE:
CIVIL TITLE SHEET

SHEET SIZE:
ARCH "D"
24" X 36" (610 x 914)

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C	30% DESIGN	11/01/2021	CNT
D	30% DESIGN	11/09/2021	CNT
E	30% DESIGN	2/18/2022	CNT

DATE: 2/18/2022
DRAWN BY: CNT
ENGINEER: CNT
APPROVED BY:

PROJECT PHASE:
30% DESIGN

SCALE:
AS SHOWN

SHEET NO.:
C-001

1. THE ROADWAY SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
2. ROADSIDE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
3. MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
4. WORK ZONE TRAFFIC CONTROL SHALL COMPLY WITH THE 2009 EDITIONS OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT, AND SHALL BE IN ACCORDANCE WITH THE NYSDOT CONTRACT OF HIGHWAY WORK PERMIT DOCUMENTS AND AS DEEMED NECESSARY BY THE NYS ENGINEER IN CHARGE.
5. NOTIFY NEW YORK STATE DEPARTMENT OF TRANSPORTATION RESIDENT ENGINEER AT THE APPLICABLE RESIDENCY, THREE WORKING DAYS PRIOR TO WORKING IN THE STATE RIGHT OF WAY, CHAUTAUGU COUNTY (716) 753-2821
6. NOTIFY DIG SAFELY NEW YORK THREE WORKING DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 1-800-962-7962, FOR A UTILITY STAKE-OUT.
7. ALL WORK CONTEMPLATED AND MATERIALS USED WITHIN THE NYS RIGHT-OF-WAY SHALL BE COVERED BY AND IN ACCORDANCE WITH THE NYS DEPARTMENT OF TRANSPORTATION'S 2008 SPECIFICATIONS BOOK AND ANY SUBSEQUENT ADDENDA ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION STANDARD SHEETS, EXCEPT AS MODIFIED IN THESE PLANS AND IN THE ITEMIZED PROPOSAL. METRIC UNITS MAY BE CONVERTED TO ENGLISH.
8. QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 402 OF THE STANDARD SPECIFICATIONS. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
9. NO NIGHT WORK WILL BE ALLOWED UNLESS PRIOR APPROVAL IS GIVEN BY THE DEPARTMENT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC WILL BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.
10. HAZARDOUS WASTE NOTIFICATION - THE PERMITTEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN ITS AS IS CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS TO THE ABSENCE OF UNDERGROUND STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. THE PERMITTEE SHALL FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO ITS WORK. THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REMEDY OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE DEPARTMENT WILL PERMIT THE PERMITTEE TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND STRUCTURE, FEATURE OR IMPEDIMENT IF SUCH IS DONE IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS PRE-APPROVED BY THE DEPARTMENT OF TRANSPORTATION. SHOULD PERMITTEE DETERMINE THAT SUCH UNFORESEEN UNDERGROUND IMPEDIMENT RENDERS PERMITTEES WORK AS AUTHORIZED BY THIS PERMIT UNDESIRABLE, PERMITTEE SHALL HAVE THE OPTION OF RESTORING THE HIGHWAY TO ITS ORIGINAL CONDITION AND NOT PERFORMING SUCH WORK.
11. OPEN CUTTING OF THE ROADWAY SHALL NOT BE ALLOWED UNLESS PERMISSION IS GRANTED IN WRITING, BY THE REGIONAL TRAFFIC ENGINEER.

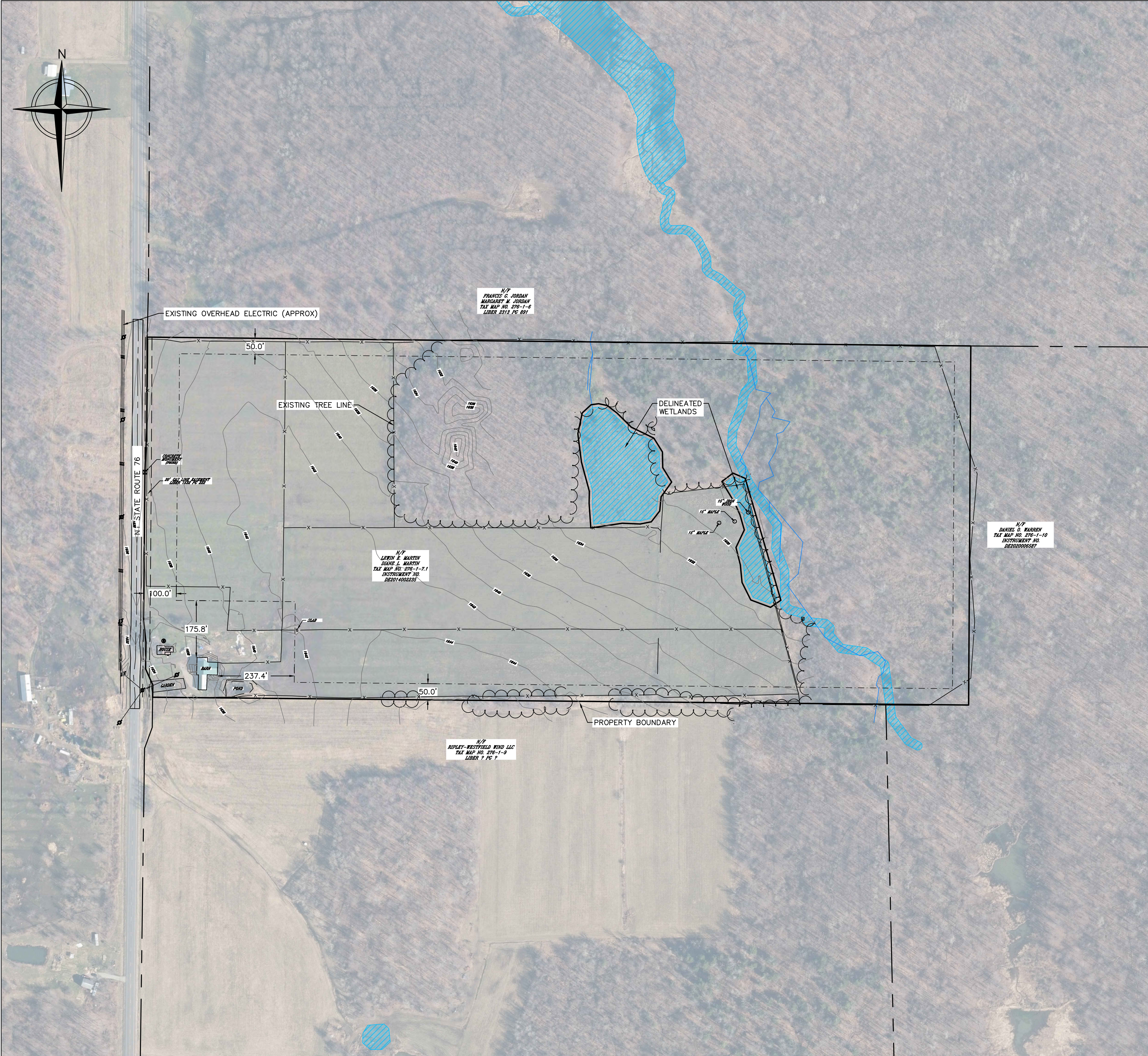
1. DEWATER THE EXCAVATIONS AS REQUIRED TO MAINTAIN A STABILIZED SLOPE.
2. PROTECT AT ALL TIMES ALL EXISTING SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHERE ENCOUNTERED IN THE WORK, AND, WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, RELOCATE AS DIRECTED BY THE ENGINEER.
3. DO NOT PLACE FILL, EMBANKMENT, OR BACKFILL MATERIAL ON FROZEN GROUND, FROZEN MATERIALS, SNOW, OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT UNLESS APPROVED IN WRITING BY THE ENGINEER.
4. BE RESPONSIBLE FOR DAMAGE TO EXISTING FEATURES INTENDED TO REMAIN. REPAIR/REPLACE DAMAGE TO FEATURES TO REMAIN IN KIND.

1. WINTER STABILIZATION SHALL APPLY TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.
2. MAINTAIN AN AREA FOR ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER. STORE CLEARED SNOW IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES.
3. MAINTAIN A MINIMUM 25 FOOT BUFFER FROM ALL PERIMETER CONTROLS. MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK.
4. EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FEET SHALL HAVE 2 ROWS OF SILT FENCE, INSTALLED 5 FEET APART ALONG THE CONTOUR.
5. KEEP DRAINAGE STRUCTURES OPEN AND FREE OF SNOW AND ICE DAMS. REMOVE ALL DEBRIS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS THAT RESTRICT THE FLOW OF RUNOFF AND MELTWATER.
6. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, SOIL STABILIZATION MEASURES SHALL BE INITIATED AT THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN 5 DAYS. ROLLED EROSION CONTROL BLANKETS MUST BE USED ON ALL SLOPES 3 HORIZONTAL TO 1 VERTICAL, OR STEEPER.
7. STABILIZE AREAS OF DISTURBED SOIL AT THE END OF EACH DAY UNLESS WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECASTED OR THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF.
8. PLACE A MINIMUM OF 10 FOOT WIDE STONE PATH AROUND THE PERIMETER OF BUILDINGS UNDER CONSTRUCTION AND AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED.

AC	ALTERNATING CURRENT
CMP	CORRUGATED METAL
DIA	DIAMETER
FT	FOOT
INCH	INCH
INV	INVERT ELEVATION
N/F	NOW OR FORMALLY
N.T.S.	NOT TO SCALE
OHE	OVERHEAD ELECTRIC
PCV	PHOTOVOLTAIC
R/P	REINFORCED CONCRETE PIPE
SQ. FT	SQUARE FEET
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
TAX#	TAX MAP NUMBER
TYP.	TYPICAL
UGE	UNDERGROUND ELECTRIC

C-002

**NOT FOR
CONSTRUCTION**



LEGEND

—	PROPERTY LINE
- - - - -	ZONING SETBACKS/CONSTRAINTS
- - - - -	ADJACENT PROPERTY LINES
— 425 —	EXISTING CONTOUR (MAJOR)
— — — — —	EXISTING CONTOUR (MINOR)
— OHW — OHW —	EXISTING OVERHEAD ELECTRIC
⊙	EXISTING UTILITY POLE
▨	DELINEATED WETLANDS
— — — — —	DELINEATED STREAMS
~~~~~	EXISTING TREE LINE
— X — X —	EXISTING FENCELINE
- - - - -	GASLINE EASEMENT

- GENERAL NOTES:**
1. TOPOGRAPHIC DATA AND EXISTING CONDITIONS INFORMATION OBTAINED FROM ALTA/NSPS LAND TITLE SURVEY BY JHA COMPANIES DATED OCTOBER 29, 2021.
  2. THIS DATA IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83)(2011) NY WEST ZONE, US FOOT AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), US FOOT, REFERENCED TO GEOID 12A.
  3. TREELINES SHOWN ARE APPROXIMATE.
  4. WETLANDS DATA OBTAINED FROM WETLAND DELINEATION REPORT DATED JUNE 2021 BY TETRA TECH, INC.
  5. ORTHOIMAGERY OBTAINED FROM NYS GIS CLEARINGHOUSE, 2017.

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**CleanChoice ENERGY™**

CLEAN CHOICE ENERGY, INC.  
1055 THOMAS JEFFERSON ST, NW  
SUITE 650  
WASHINGTON, DC 20007

**TETRA TECH**

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STAMP:

**GATEWAY COMMUNITY SOLAR GARDEN**

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:  
194-1171-0003

SHEET TITLE:  
EXISTING CONDITIONS

SHEET SIZE:  
ARCH "D"  
24" X 36" (610 x 914)

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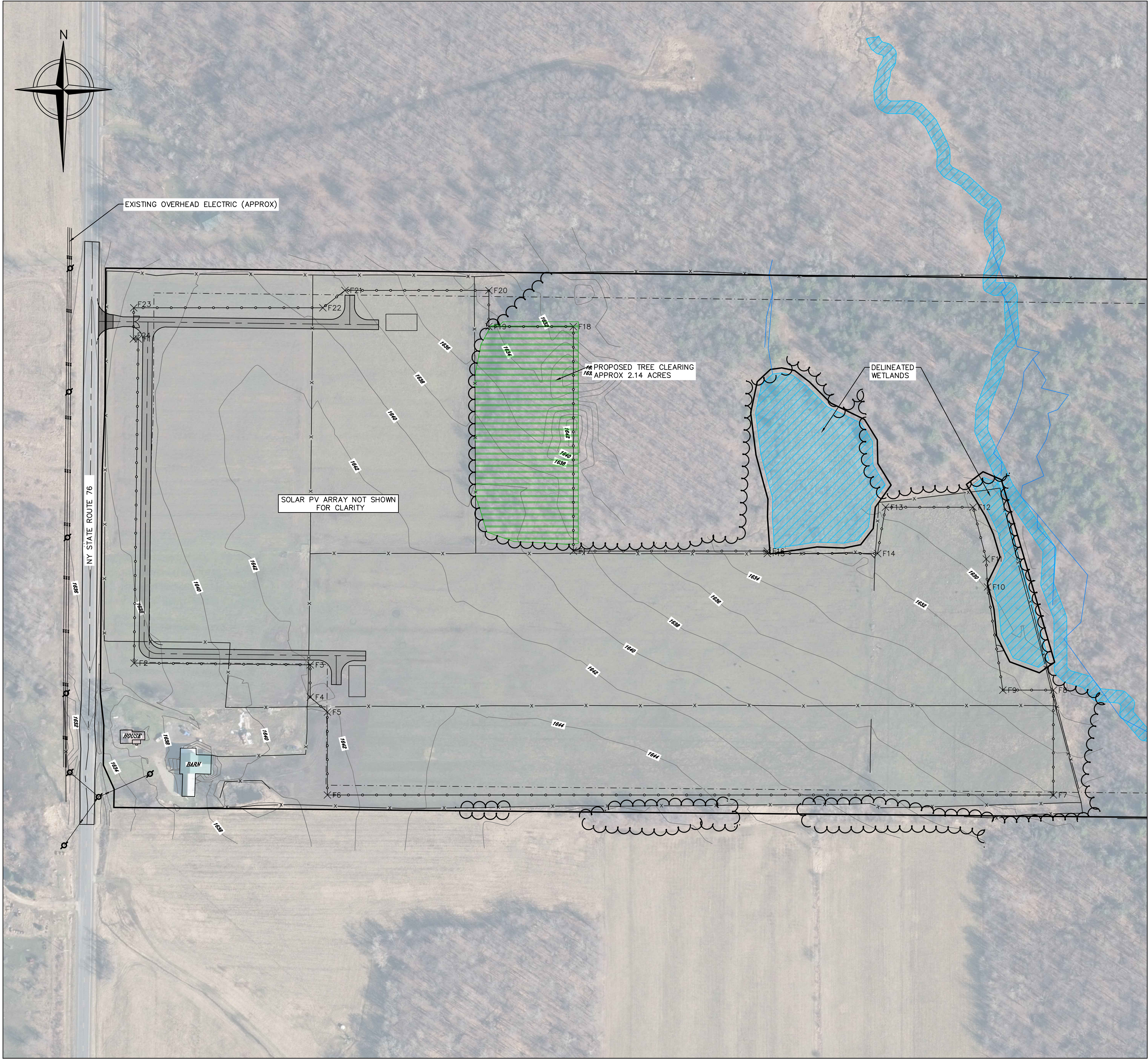
DATE: 11/01/2021  
DRAWN BY: CNT  
ENGINEER: CNT  
APPROVED BY:

PROJECT PHASE:  
30% DESIGN

SCALE:  
AS SHOWN

SHEET NO.:  
**C-101**





LEGEND

- PROPERTY LINE
- ZONING SETBACKS/CONSTRAINTS
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING TREE LINE
- EXISTING OVERHEAD ELECTRIC (APPROX)
- EXISTING UTILITY POLE (APPROX)
- DELINEATED WETLANDS
- WETLAND BUFFER
- DELINEATED STREAMS
- PERIMETER SECURITY FENCE
- GRAVEL ACCESS ROAD
- ASPHALT PAVED APRON
- PROPOSED TREE CLEARING
- EXISTING FENCE (TO BE REMOVED)

GENERAL NOTES:

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- ORTHOIMAGERY OBTAINED FROM NYS GIS CLEARINGHOUSE, 2017.

0 100 200  
SCALE IN FEET

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SUITE 650  
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GATEWAY COMMUNITY  
SOLAR GARDEN

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:  
194-1171-0003

SHEET TITLE:  
TREE CLEARING PLAN

SHEET SIZE:  
ARCH "D"  
24" X 36" (610 x 914)  
0 1/2" 1"

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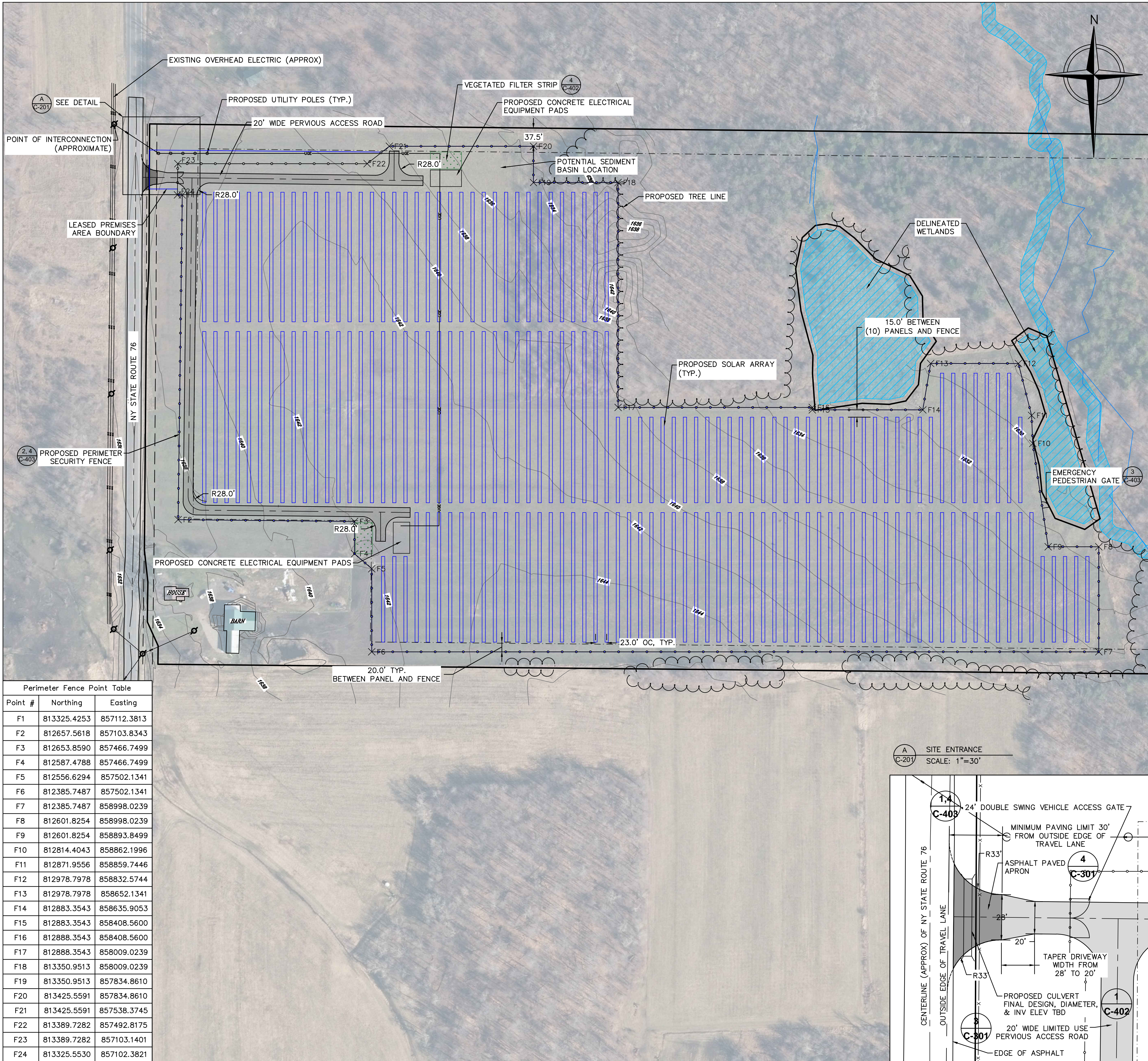
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DRAWN BY: CNT  
ENGINEER: CNT  
APPROVED BY:

PROJECT PHASE:  
30% DESIGN

SCALE:  
AS SHOWN

SHEET NO.:  
CD-201





LEGEND

- PROPERTY LINE
- ZONING SETBACKS/CONSTRAINTS
- EXISTING OVERHEAD ELECTRIC (APPROX)
- EXISTING TREE LINE
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING UTILITY POLE (APPROX)
- PROPOSED UTILITY POLE
- DELINEATED WETLANDS
- WETLAND BUFFER
- DELINEATED STREAMS
- GRAVEL ACCESS ROAD
- PERIMETER SECURITY FENCE
- GASLINE EASEMENT
- ASPHALT PAVED APRON
- VEGETATED FILTER STRIP
- PROPOSED CULVERT
- LEASED PREMISES AREA

GENERAL NOTES:

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- ACCESS ROAD SHOWN PROVIDES THE MINIMUM REQUIREMENTS FOR THE FINISHED ROAD CONDITION. THIS IS A LIGHT DUTY ROAD SUITABLE FOR INFREQUENT MAINTENANCE TRAFFIC AFTER CONSTRUCTION OF THE FACILITY IS COMPLETE. THE CORRIDOR SHOWN MAY BE USED DURING CONSTRUCTION. BE RESPONSIBLE FOR CONSTRUCTING A SUITABLE ACCESS ROAD FOR HEAVY CONSTRUCTION TRAFFIC AND EQUIPMENT DURING CONSTRUCTION. THE CONSTRUCTION ACCESS ROAD MAY BE LEFT IN PLACE AS THE FINAL ACCESS ROAD, AS LONG AS IT CONFORMS TO THE LIMITS AND GRADES SHOWN ON THE DRAWING, AND SUBJECT TO THE APPROVAL OF THE ENGINEER OF RECORD. SEE DRAWING C-301 FOR ADDITIONAL REQUIREMENTS FOR THE PERVIOUS ACCESS ROAD.
- ONCE ON-SITE CONSTRUCTION ACTIVITIES ARE COMPLETE, RE-PAVE AND RESTORE THE ROAD SHOULDER TO EXISTING CONDITION.
- ROAD OPENING DESIGN IN ACCORDANCE WITH NYSDOT STANDARD SHEETS 608-03.
- AREA INSIDE FENCE LINE IS 29.49 ACRES.

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GATEWAY COMMUNITY  
SOLAR GARDEN

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:  
194-1171-0003

SHEET TITLE:  
SITE PLAN

SHEET SIZE:  
ARCH "D"  
24" X 36" (610 x 914)

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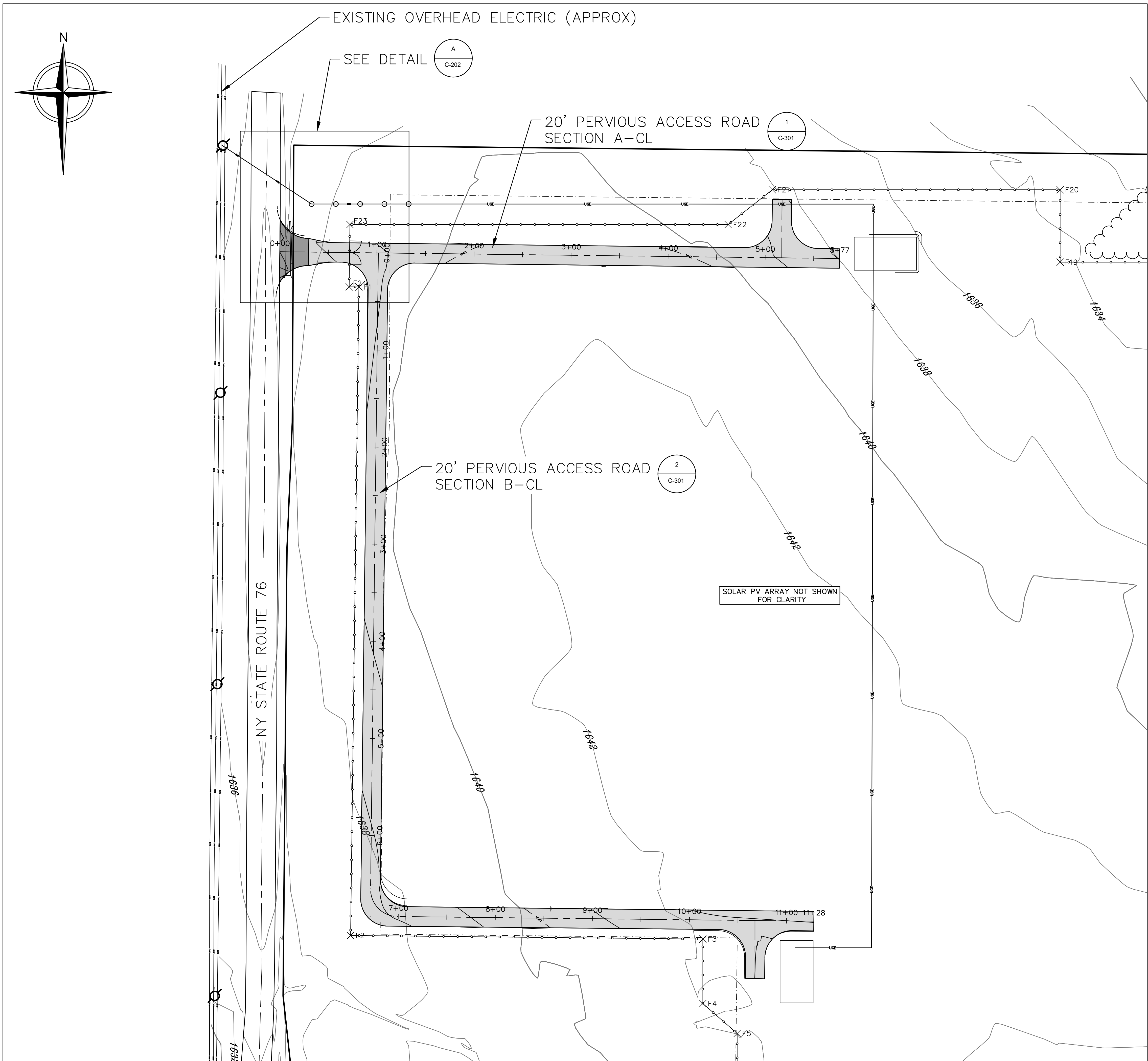
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DRAWN BY: CNT  
ENGINEER: CNT  
APPROVED BY:

PROJECT PHASE:  
30% DESIGN

SCALE:  
AS SHOWN

SHEET NO.:  
C-201



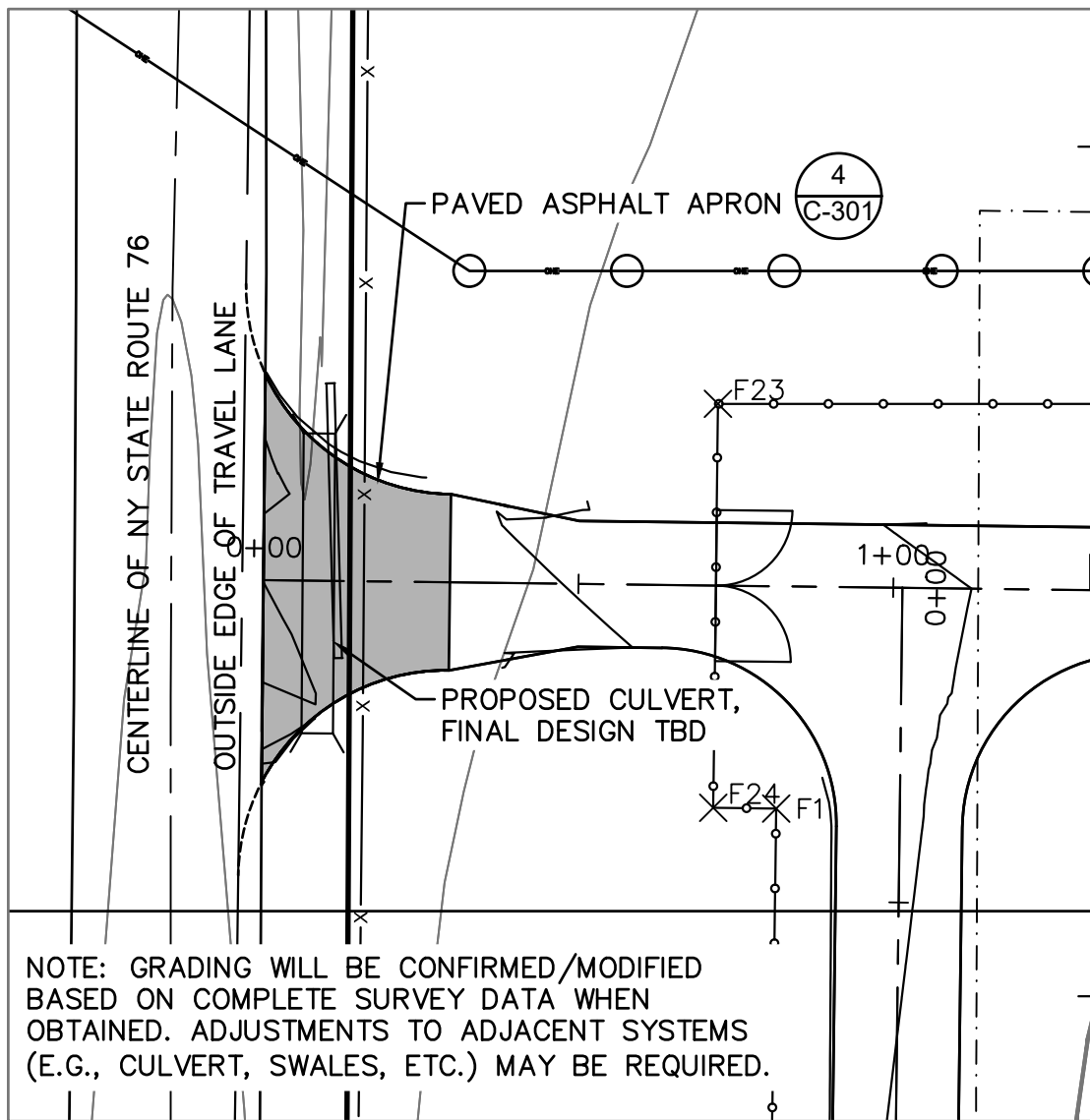


LEGEND

- PROPERTY LINE
- ZONING SETBACKS/CONSTRAINTS
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- EXISTING TREE LINE
- EXISTING OVERHEAD ELECTRIC (APPROX)
- EXISTING UTILITY POLE (APPROX)
- DELINEATED WETLANDS
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED UTILITY POLE
- PERIMETER SECURITY FENCE
- GRAVEL ACCESS ROAD
- LIMITS OF DISTURBANCE
- ASPHALT PAVED APRON
- PROPOSED CULVERT

GENERAL NOTES:

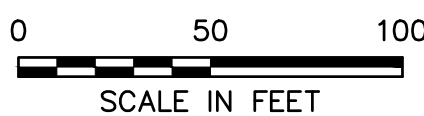
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- ACCESS ROAD SHOWN IS FOR THE FINISHED CONDITION. CORRIDOR MAY BE USED DURING CONSTRUCTION. HOWEVER, ACCESS ROAD DESIGN IS NOT INTENDED FOR CONSTRUCTION TRAFFIC/EQUIPMENT.
- ADD POSITIVE DRAINAGE AWAY FROM EQUIPMENT ON PADS OF NO MORE THAN 1%.
- PROPOSED GRADING IS LIMITED TO ACCESS ROAD AND EQUIPMENT PADS.



NOTE: GRADING WILL BE CONFIRMED/MODIFIED BASED ON COMPLETE SURVEY DATA WHEN OBTAINED. ADJUSTMENTS TO ADJACENT SYSTEMS (E.G., CULVERT, SWALES, ETC.) MAY BE REQUIRED.

A SITE ENTRANCE  
C-202 SCALE: 1"=30'

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STAMP:

GATEWAY COMMUNITY  
SOLAR GARDEN

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:  
194-1171-0003

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GRADING PLAN

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NO.	REVISION	DATE	INIT.
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B	30% DESIGN	11/01/2021	CNT
C	30% DESIGN	11/09/2021	CNT

DATE: 11/09/2021  
DRAWN BY: CNT  
ENGINEER: CNT  
APPROVED BY:

PROJECT PHASE:  
30% DESIGN

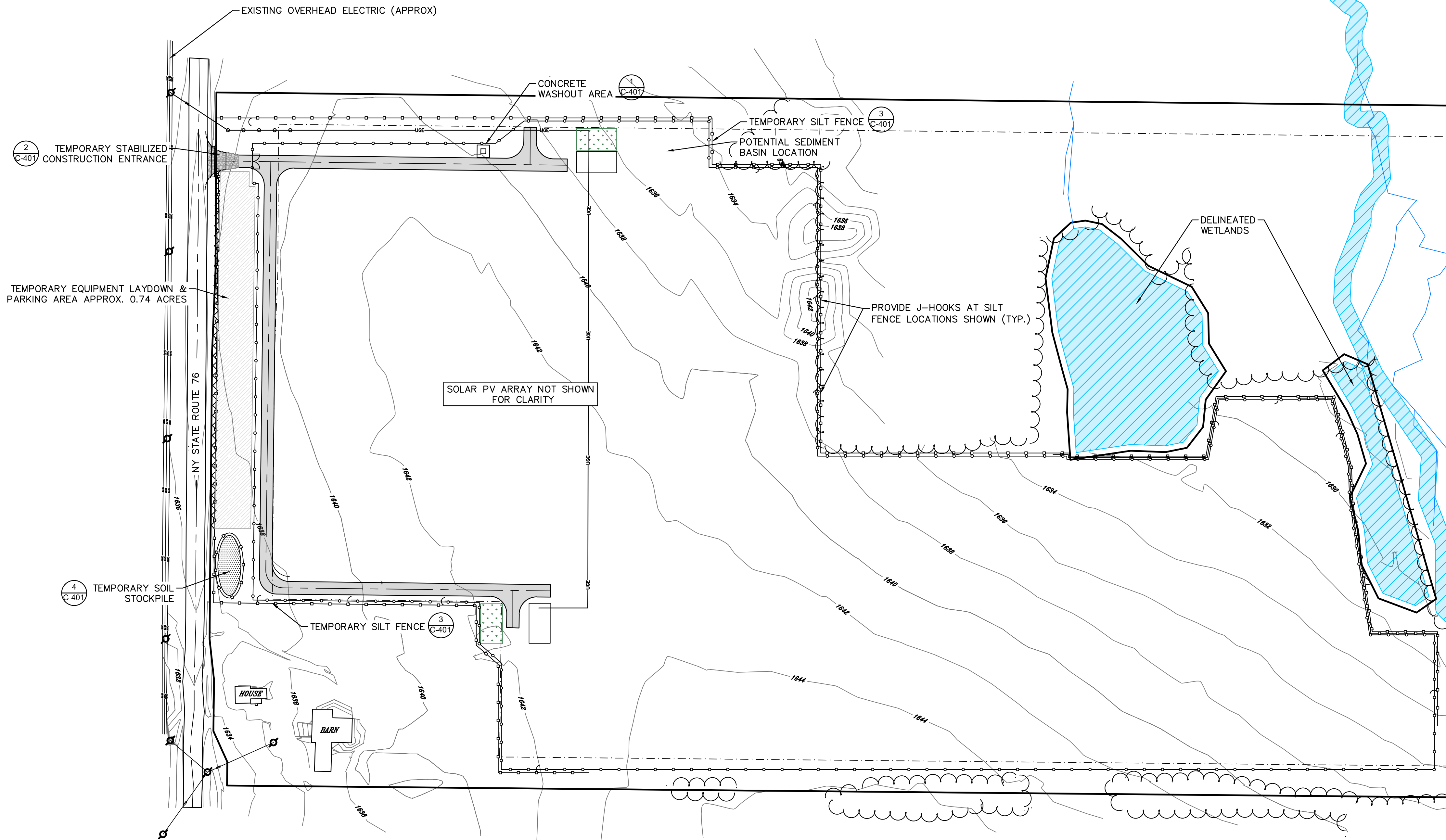
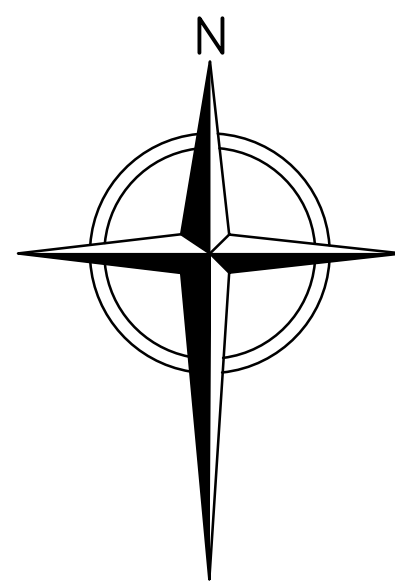
SCALE:  
AS SHOWN

SHEET NO.:

C-202



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### LEGEND

---	PROPERTY LINE
---	ZONING SETBACKS/CONSTRAINTS
1,350	EXISTING CONTOUR (MAJOR)
---	EXISTING CONTOUR (MINOR)
---	EXISTING TREE LINE
OHW OHW	EXISTING OVERHEAD ELECTRIC (APPROX)
⊗	EXISTING UTILITY POLE (APPROX)
---	DELINEATED WETLANDS
---	WETLAND BUFFER
---	DELINEATED STREAMS
UGE UGE	PROPOSED UNDERGROUND ELECTRIC
OHE OHE	PROPOSED OVERHEAD ELECTRIC
○	PROPOSED UTILITY POLE
---	PERIMETER SECURITY FENCE
---	GRAVEL ACCESS ROAD
---	TEMPORARY SILT FENCE
---	TEMPORARY COMPOST FILTER SOCK
---	TEMPORARY SOIL STOCKPILE
---	TEMPORARY CONSTRUCTION ENTRANCE
---	TEMPORARY EQUIPMENT LAYDOWN AREA
---	TEMPORARY CONCRETE WASHOUT AREA
---	LIMITS OF DISTURBANCE
---	TEMPORARY CONSTRUCTION SAFETY FENCE
---	VEGETATED FILTER STRIP
---	PROPOSED CULVERT

### GENERAL NOTES:

1. TOPOGRAPHIC DATA AND EXISTING CONDITIONS INFORMATION OBTAINED FROM ALTA/NSPS LAND TITLE SURVEY BY JHA COMPANIES DATED OCTOBER 29, 2021.
2. THIS DATA IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83)(2011) NY WEST ZONE, US FOOT AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), US FOOT, REFERENCED TO GEOID 12A.
3. TREE LINES SHOWN ARE APPROXIMATE.
4. WETLANDS DATA OBTAINED FROM WETLAND DELINEATION REPORT DATED JUNE 2021 BY TETRA TECH, INC.
5. SEE ELECTRICAL DRAWINGS (UNDER SEPARATE COVER) FOR SOLAR PV ARRAY, RACKING SYSTEM, EQUIPMENT, AND ELECTRICAL UTILITY POWER POLE AND CONNECTION DETAILS.
6. ACCESS ROAD SHOWN IS FOR THE FINISHED CONDITION. CORRIDOR MAY BE USED DURING CONSTRUCTION. HOWEVER, ACCESS ROAD DESIGN IS NOT INTENDED FOR CONSTRUCTION TRAFFIC/EQUIPMENT.
7. RIP RAP AND UNDERDRAIN INVERTS TO BE FIELD VERIFIED.
8. ALL TEMPORARY PARKING/EQUIPMENT LAYDOWN AREAS AND SOIL STOCKPILE AREAS ARE TO BE ACCESSED FROM THE STABILIZED CONSTRUCTION ENTRANCE AND ARE TO REMAIN OUTSIDE OF THE NYSDOT RIGHT-OF-WAY, SHOWN ON PLANS AS HIGHWAY BOUNDARY.
9. PLACE TEMPORARY CONSTRUCTION SAFETY FENCE ALONG THE HIGHWAY BOUNDARY BETWEEN THE NYSDOT RIGHT-OF-WAY AND THE TEMPORARY PARKING/EQUIPMENT LAYDOWN AREAS TO PREVENT UNRESTRICTED ACCESS ACROSS HIGHWAY BOUNDARY.
10. INSTALL SILT FENCING J-HOOKS AS REQUIRED TO ENSURE THAT CONCENTRATED FLOW IS NOT PARALLEL TO THE SILT FENCE.

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WASHINGTON, DC 20007



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STAMP:

## GATEWAY COMMUNITY SOLAR GARDEN

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:  
194-1171-0003

SHEET TITLE:  
EROSION & SEDIMENT  
CONTROL PLAN

SHEET SIZE:  
ARCH "D"  
24" X 36" (610 x 914)  
0 1/2" 1"

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B	30% DESIGN	9/13/2021	CNT
C	30% DESIGN	11/01/2021	CNT
D	30% DESIGN	11/09/2021	CNT
E	30% DESIGN	2/18/2022	CNT

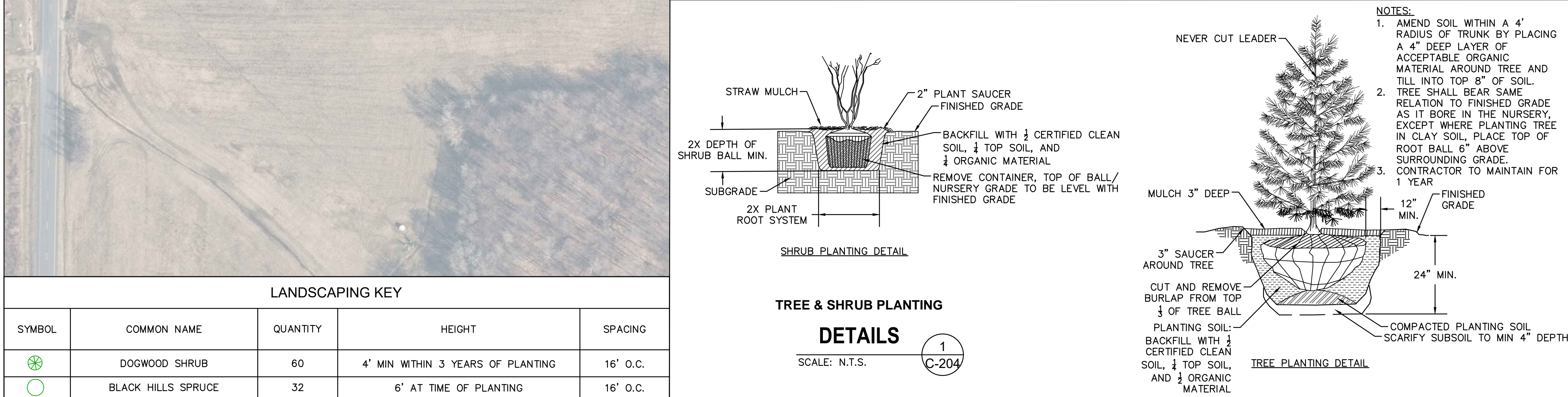
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DRAWN BY: CNT  
ENGINEER: CNT  
APPROVED BY:

PROJECT PHASE:  
30% DESIGN

SCALE:  
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SHEET NO.:  
C-203





### LEGEND

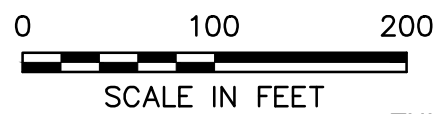
- PROPERTY LINE
- ZONING SETBACKS/CONSTRAINTS
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING TREE LINE
- EXISTING OVERHEAD ELECTRIC (APPROX)
- EXISTING UTILITY POLE (APPROX)
- DELINEATED WETLANDS
- WETLAND BUFFER
- DELINEATED STREAMS
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED UTILITY POLE
- GRAVEL ACCESS ROAD
- PERIMETER SECURITY FENCE
- PAVED ASPHALT ENTRANCE
- AREA TO BE SEEDED

### GENERAL NOTES:

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- THIS DATA IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83)(2011) NY WEST ZONE, US FOOT AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), US FOOT, REFERENCED TO GEOID 12A.
- TREE LINES SHOWN ARE APPROXIMATE.
- WETLANDS DATA OBTAINED FROM WETLAND DELINEATION REPORT DATED JUNE 2021 BY TETRA TECH, INC.

### LANDSCAPING PLANTING NOTES:

- REFER TO THE GRADING PLAN FOR GRADING INFORMATION. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS OR IF THERE ARE DISCREPANCIES BETWEEN THE PLANS, CONTACT THE ENGINEER FOR DIRECTION AS TO HOW TO PROCEED.
- VERIFY LOCATION OF PERTINENT SITE FEATURES. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT ENGINEER FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
- EXACT LOCATION OF PLANT MATERIALS TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
- VERIFY PLANT COUNTS AND SQUARE FOOTAGES: QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY.
- CONTACT THE LOCAL UNDERGROUND UTILITY SERVICES FOR UTILITY LOCATION AND IDENTIFICATION.
- EXCAVATE PITS FOR TREES/SHRUBS SEGREGATING TOPSOIL TO BE BACKFILLED LAST.
- SIZE OF PLANTING PITS SHALL BE AS DEEP AS THE ROOT BALL AND AT LEAST 2X AS WIDE.
- PLACE SO TOP OF TREE/SHRUB ROOT BALL IS EVEN WITH FINISHED GRADE.
- PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES.
- ALIGN AND SPACE TREES AND SHRUBS AS DESIGNATED PER THESE NOTES.
- CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOT BALL OR REMOVE CONTAINER PRIOR TO PLANTING.
- RESEED AREA OF DISTURBANCE DUE TO CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH VEGETATED COVER SPECIFICATIONS ON C-002.
- IF LISTED SPECIES CANNOT BE ACQUIRED OR AN INSUFFICIENT QUANTITY OR QUALITY IS AVAILABLE, CONSULT ENGINEER FOR APPROVED REPLACEMENTS.
- SEED VEGETATED FILTER STRIP WITH NORTHEASTERN WILDFLOWER SEED MIX OR REGIONAL EQUIVALENT.
- REFER TO VEGETATIVE COVER SPECIFICATIONS ON C-002.
- IF PERMANENT GROUND COVER CANNOT BE ESTABLISHED DUE TO EROSION DURING OR FOLLOWING CONSTRUCTION, INSTALL A PERMANENT REINFORCED TURF MATTING ON THE NOTED AREAS.



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STAMP:

GATEWAY COMMUNITY  
SOLAR GARDEN

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:  
194-1171-0003

SHEET TITLE:  
LANDSCAPING PLAN

SHEET SIZE:  
ARCH "D"  
24" X 36" (610 x 914)

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DATE: 2/18/2022  
DRAWN BY: CNT  
ENGINEER: CNT  
APPROVED BY:

PROJECT PHASE:  
30% DESIGN

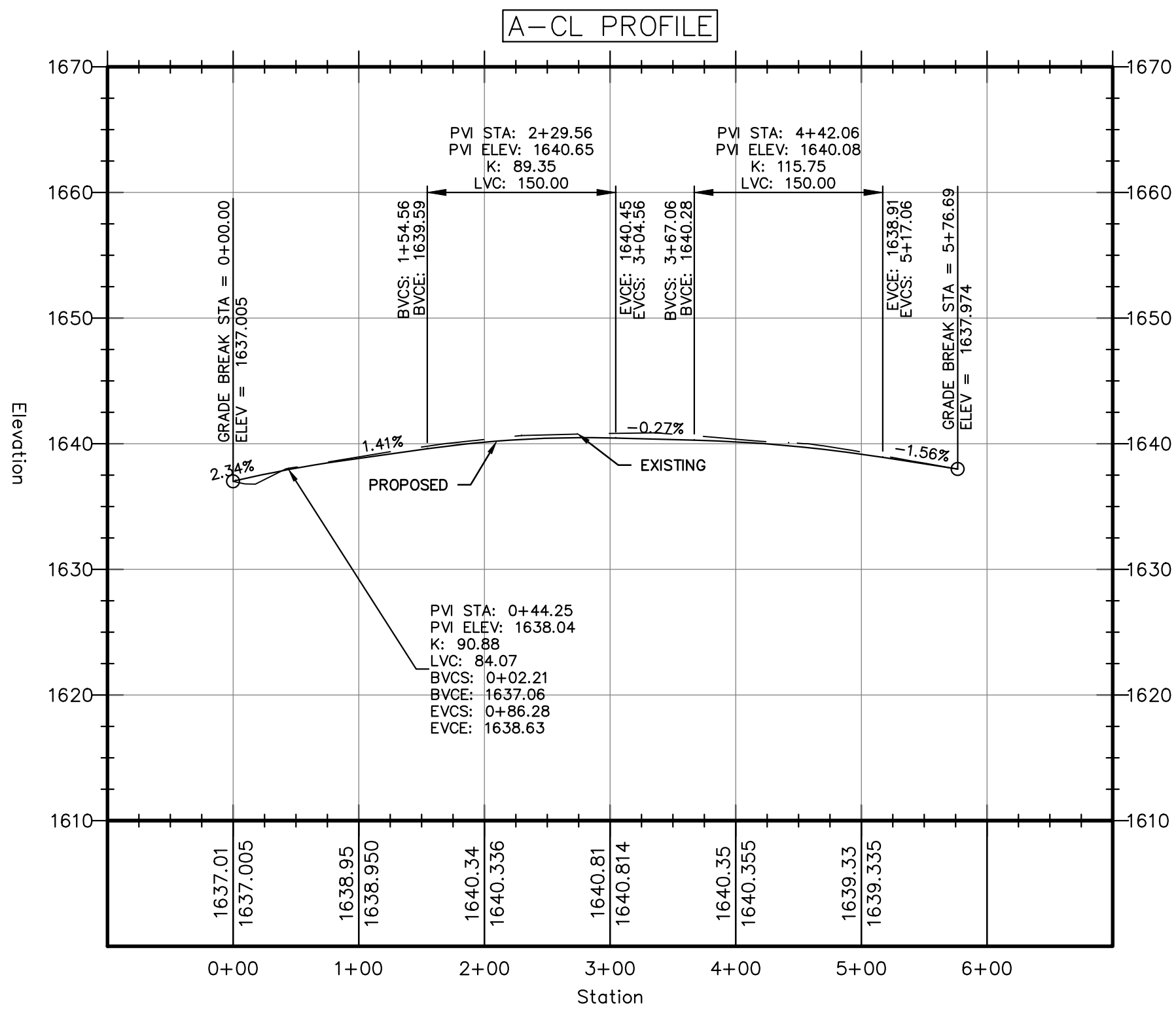
SCALE:  
AS SHOWN

SHEET NO.:

C-204



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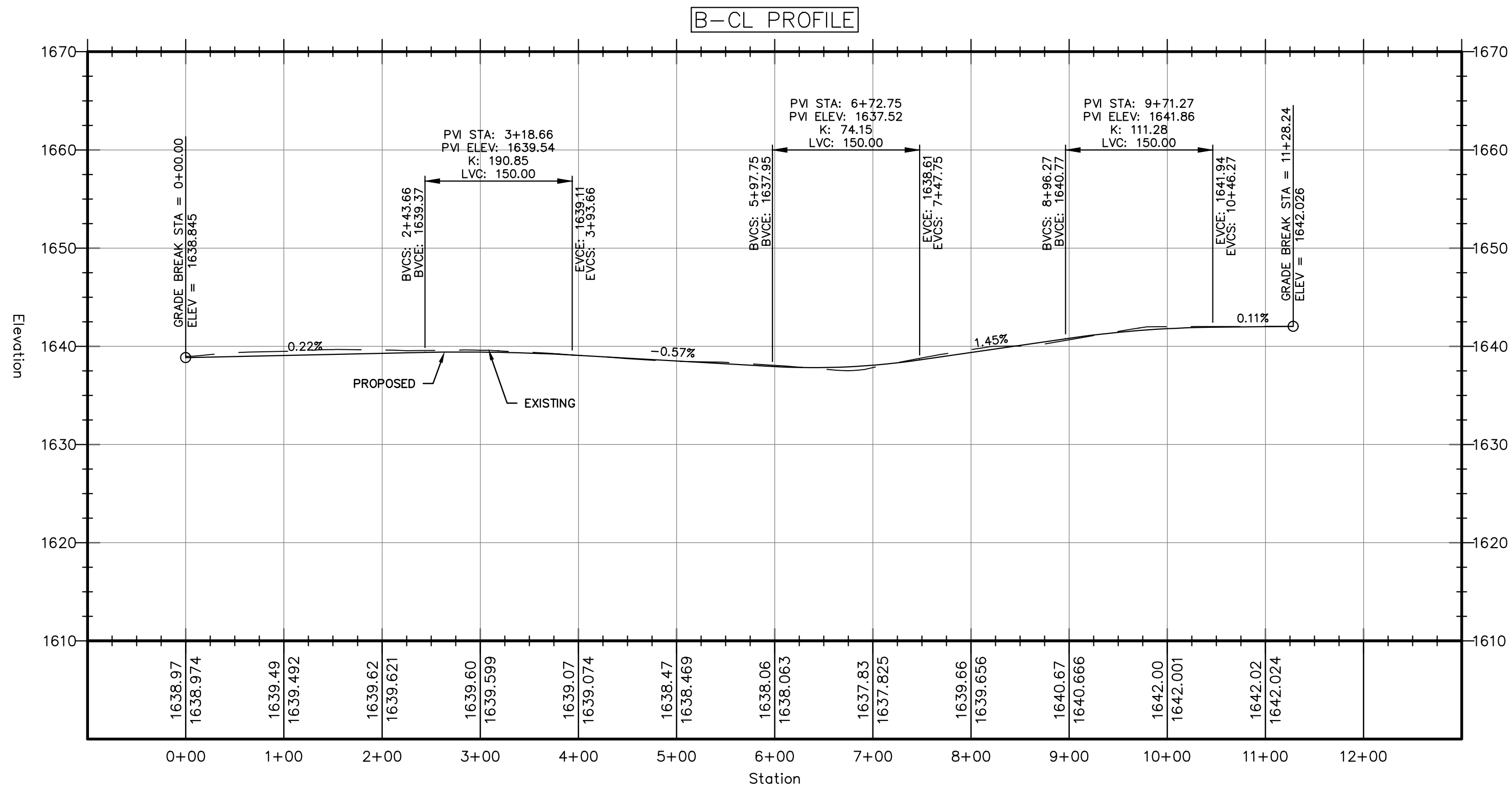


ACCESS ROAD - ALIGNMENT A

PROFILE

HORIZONTAL SCALE: 1"=100'  
VERTICAL SCALE: 1"=10'

1  
C-301



ACCESS ROAD - ALIGNMENT B

PROFILE

HORIZONTAL SCALE: 1"=100'  
VERTICAL SCALE: 1"=10'

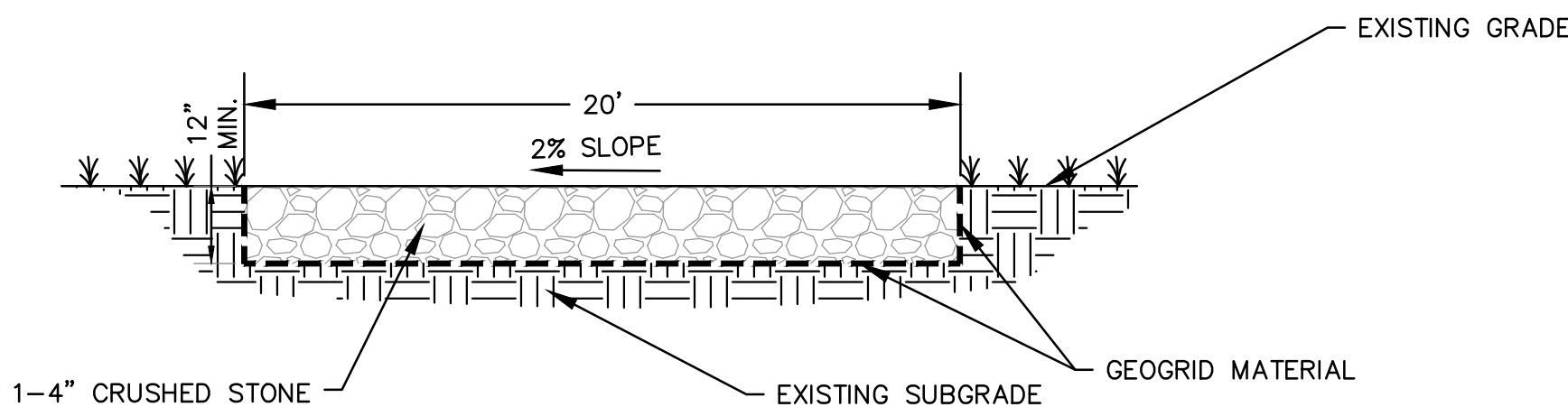
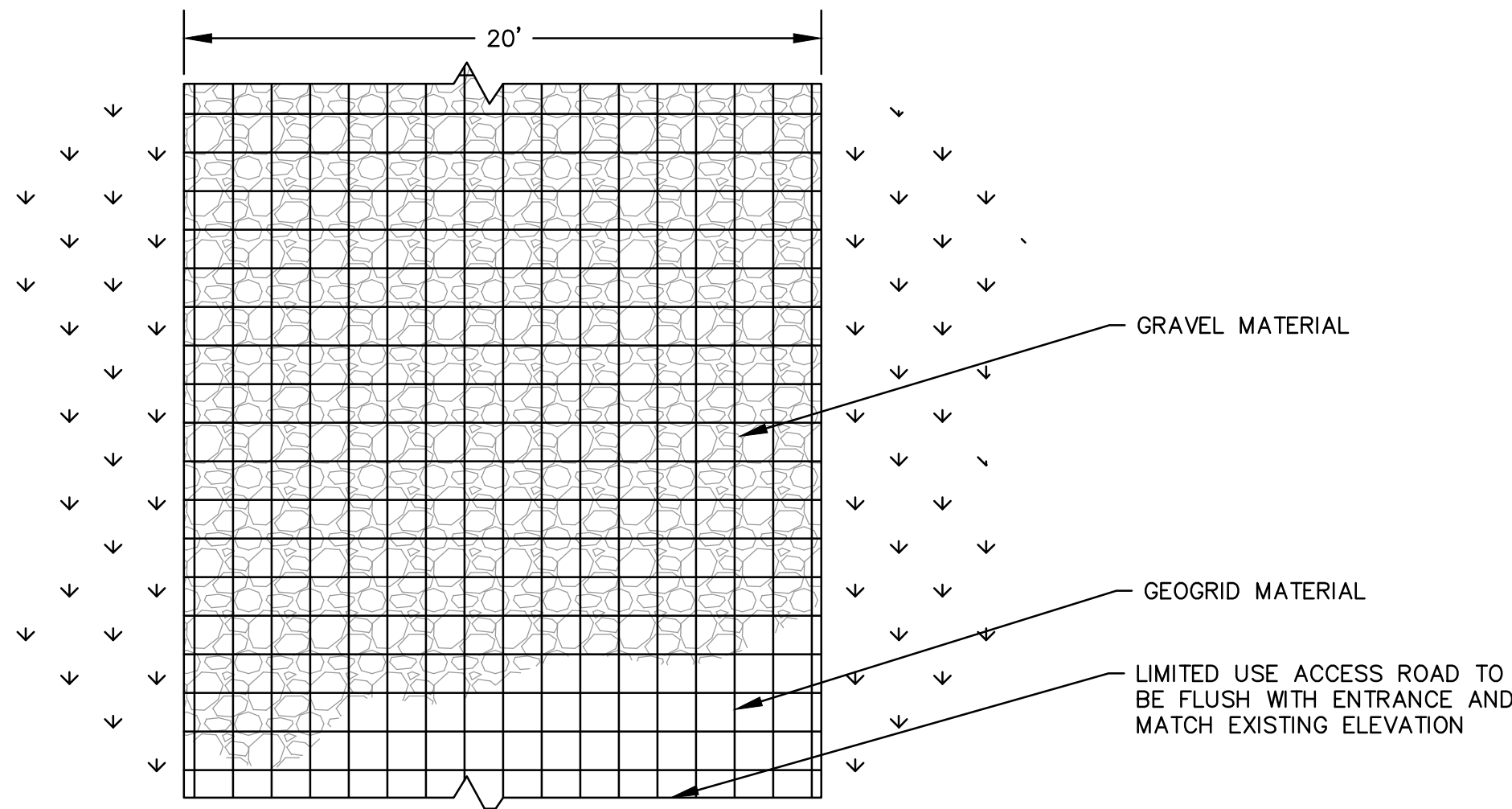
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C-301

GENERAL NOTES FOR LIMITED USE PERVIOUS ACCESS ROAD:

- LIMITED TO MINIMAL USE (I.E., MAINTENANCE AND EMERGENCY RESPONSE), LOW TRAFFIC, AND LOW IMPACT MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
- PERVIOUS ACCESS ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ACCESS ROAD TO COMPACTION AND SEDIMENT TRACKING. ROAD IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE ONLY. IF THE LIMITED USE PERVIOUS ACCESS ROAD IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, CONSTRUCT AND UTILIZE A TEMPORARY STABILIZED CONSTRUCTION ENTRANCE TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM DESIGNATED LOCATIONS ON OR OFF SITE. MAINTAIN ACCESS ROAD AND REMOVE SEDIMENT OBSERVED WITHIN THE CLEAN STONE.
- TAKE SOIL PENETROMETER READINGS PRIOR TO CONSTRUCTION EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY. COMPARE SOIL PENETROMETER READINGS AT THE END OF CONSTRUCTION TO THE RESPECTIVE READINGS TAKEN PRIOR TO CONSTRUCTION. FOLLOW SOIL RESTORATION PRACTICES OUTLINED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AS REQUIRED TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS IF POST-CONSTRUCTION SOIL PENETROMETER READINGS ARE GREATER THAN 5% OF THE PRE-CONSTRUCTION READINGS.
- SUBGRADE COMPACTION IS NOT REQUIRED.
- WHERE NECESSARY, GRADE ROADWAY TO PROPOSED ELEVATIONS SHOWN ON ROAD PROFILE. MINOR GRADING FOR CROSS SLOPE MAY BE REQUIRED.
- CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS ROAD SHOULD NOT EXCEED 13%.
- REMOVE REFUSE SOILS AS DIRECTED BY PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- ESTABLISH A PERENNIAL VEGETATIVE COVER, CONSISTING OF UNIFORM VEGETATION 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.

GEOGRID MATERIAL NOTES:

- THE GEOGRID, TENSAR T-130, 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, CURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT 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.
- THE GEOGRID SHALL BE TENSAR T-130 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED ROAD SLOPE.
- IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF 6".
- 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 NYSDOT ITEM 703-02 SPECIFICATIONS.

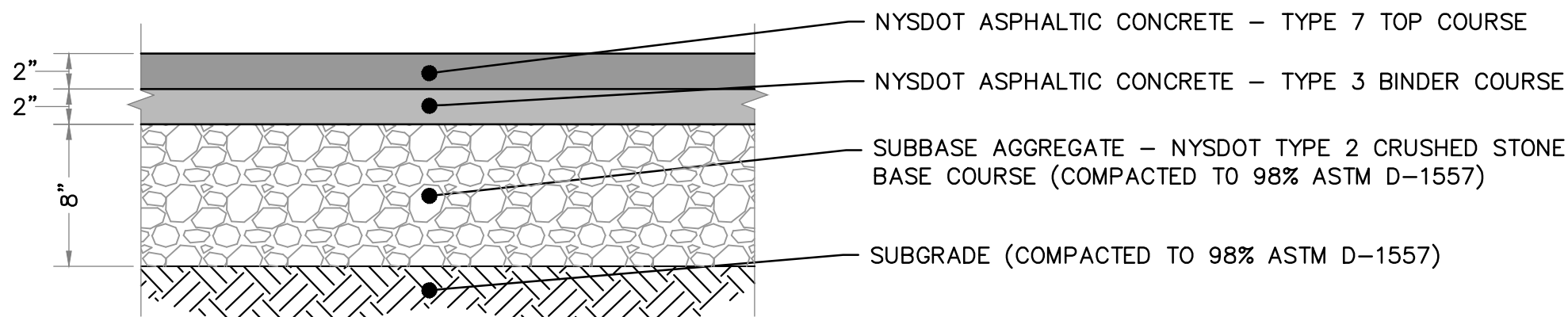


LIMITED USE PERVIOUS ACCESS ROAD

SECTION

SCALE: N.T.S.

3  
C-301



ASPHALT PAVED APRON

DETAIL

SCALE: N.T.S.

4  
C-301

NOTE:

- ALL MATERIALS PERMANENTLY INCORPORATED INTO THE RIGHT-OF-WAY ARE BY REFERENCE LISTED AS NYSDOT PAY ITEMS PER [HTTPS://WWW.DOT.NY.GOV/PIC](https://www.dot.ny.gov/pic)
- SAWCUT EDGE OF ASPHALT TO ALLOW FOR A CLEAN BUTT JOINT WITH THE NEW ASPHALT.
- PROVIDE ASPHALT JOINT SEALANT (PAY ITEM NO. 418.603) BETWEEN EXISTING AND PROPOSED ASPHALT.
- TACK COAT SHALL BE APPLIED BETWEEN EACH LIFT OF ASPHALT AND ALL VERTICAL FACES.

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STAMP:

GATEWAY COMMUNITY  
SOLAR GARDEN

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:

194-1171-0003

SHEET TITLE:

ACCESS ROAD  
PROFILE & DETAILS

SHEET SIZE:

ARCH "D"  
24" X 36" (610 x 914)

0 1/2" 1"

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PROJECT PHASE:  
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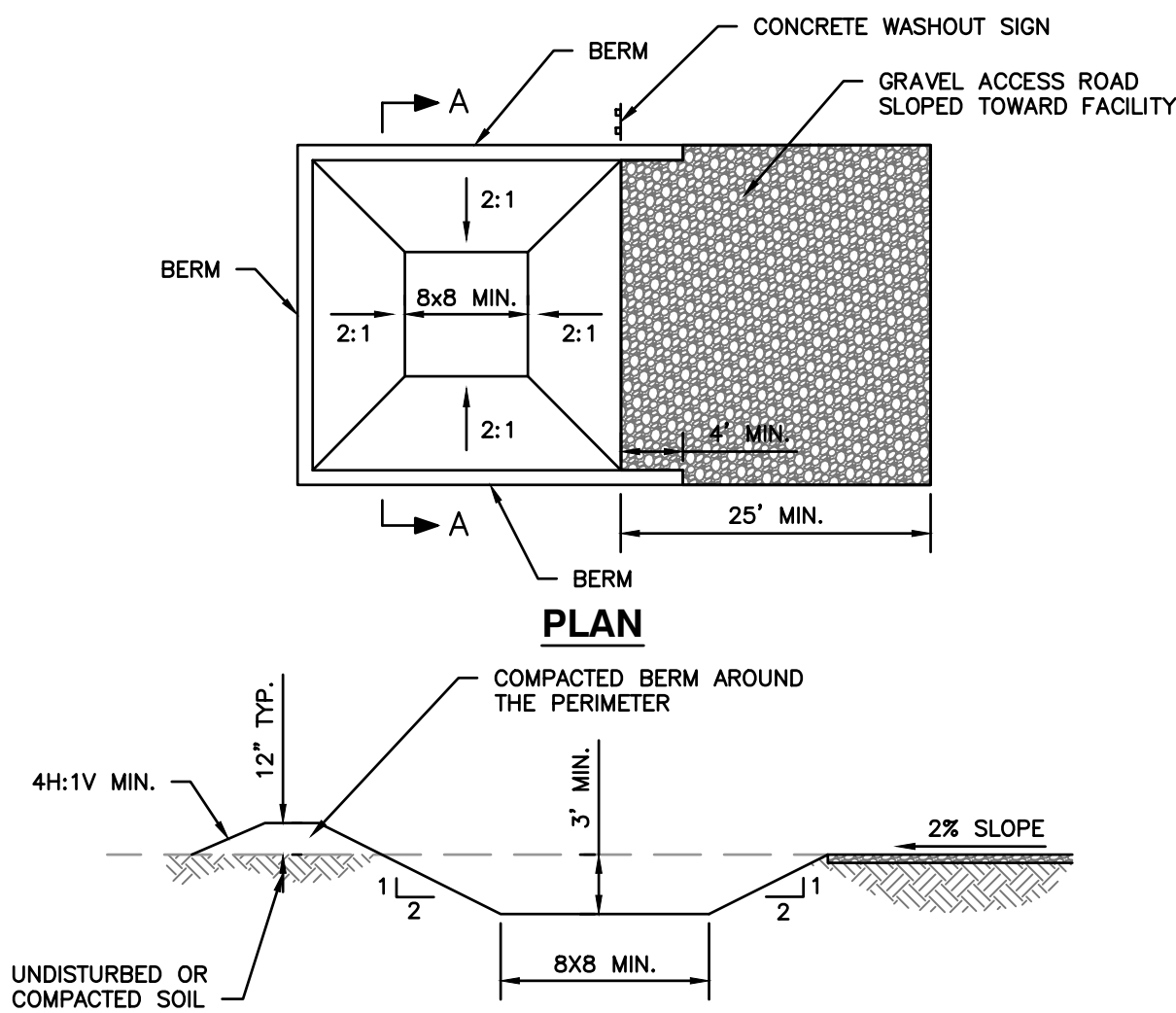
SCALE:  
AS SHOWN

SHEET NO.:

C-301



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SECTION A-A

CONCRETE TRUCK WASHOUT AREA NOTES:

1. LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATER.
2. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD.
3. PROVIDE A GRAVEL ACCESS ROAD TO FACILITY THAT IS SLOPED DOWN TO FACILITY.
4. SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.
5. ALL WASHOUT FACILITIES SHALL BE LINED TO PREVENT LEACHING OF LIQUIDS INTO THE GROUND. THE LINER SHALL BE PLASTIC SHEETING HAVING A MINIMUM THICKNESS OF 10 MILS WITH NO HOLES OR TEARS, AND ANCHORED BEYOND THE TOP OF THE PIT WITH AN EARTHEN BERM, SAND BAGS, STONE, OR OTHER STRUCTURAL APPURTENANCES EXCEPT AT THE ACCESS POINT.
6. PREFABRICATED WASHOUT FACILITIES CAN BE USED BUT THEY MUST CAPTURE AND CONTAIN CONCRETE WASH AND BE SIMILARLY SIZED AS SHOWN ABOVE AND LOCATED AS NOTED ABOVE.
7. WASH WATER IS ESTIMATED TO BE 7 GALLONS PER CHUTE AND 50 GALLONS PER HOPPER OF A PUMP TRUCK AND/OR DISCHARGING DRUM.

MAINTENANCE:

1. ALL FACILITIES MUST BE INSPECTED DAILY.
2. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
3. EXCESS ACCUMULATED RAINWATER OVER HARDENED CONCRETE SHALL BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
4. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE FACILITY IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF-SITE AT A PERMITTED C&D LANDFILL. NO ONSITE DISPOSAL WILL BE ALLOWED.
5. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE FACILITY.
6. INSPECT PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

CONCRETE WASHOUT AREA

DETAIL

SCALE: N.T.S.

1  
C-401

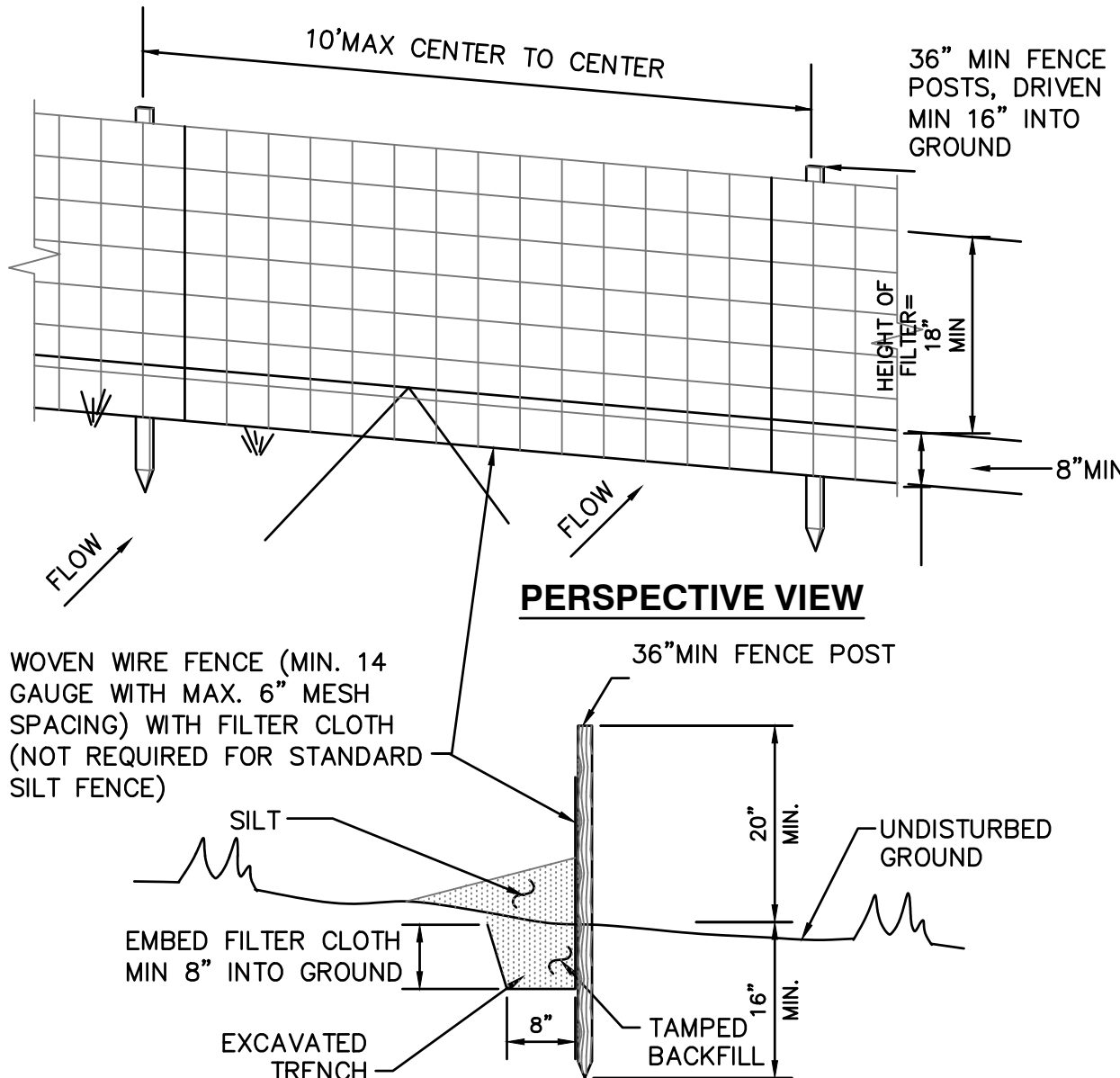
STABILIZED CONSTRUCTION ENTRANCE

DETAIL

SCALE: N.T.S.

2  
C-401

PLAN VIEW



SECTION

SILT FENCE NOTES:

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 TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
4. PERFORM MAINTENANCE AS NEEDED AND REMOVE MATERIALS WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. USE SILT FENCE WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
6. DO NOT USE SILT FENCE WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER AND SOIL CONDITIONS DO NOT ALLOW FOR PROPER KEYING OF FABRIC, OR OTHER ANCHORAGE, TO PREVENT BLOWOUTS.
7. THE TYPE OF SILT FENCE SHALL NOT EXCEED THE MAXIMUM SLOPE LENGTH AND MAXIMUM FENCE LENGTH REQUIREMENTS SHOWN IN THE FOLLOWING TABLE.

SLOPE	STEEPNESS	SLOPE LENGTH/FENCE LENGTH (FT)		
		STANDARD	REINFORCED	SUPER
<2%	<50:1	300/1500	N/A	N/A
2-10%	50:1 TO 10:1	125/1000	250/2000	300/2500
10-20%	10:1 TO 5:1	100/750	150/1000	200/1000
20-33%	5:1 TO 3:1	60/500	80/750	100/1000
33-50%	3:1 TO 2:1	40/250	70/350	100/500
>50%	>2:1	20/125	30/175	50/250

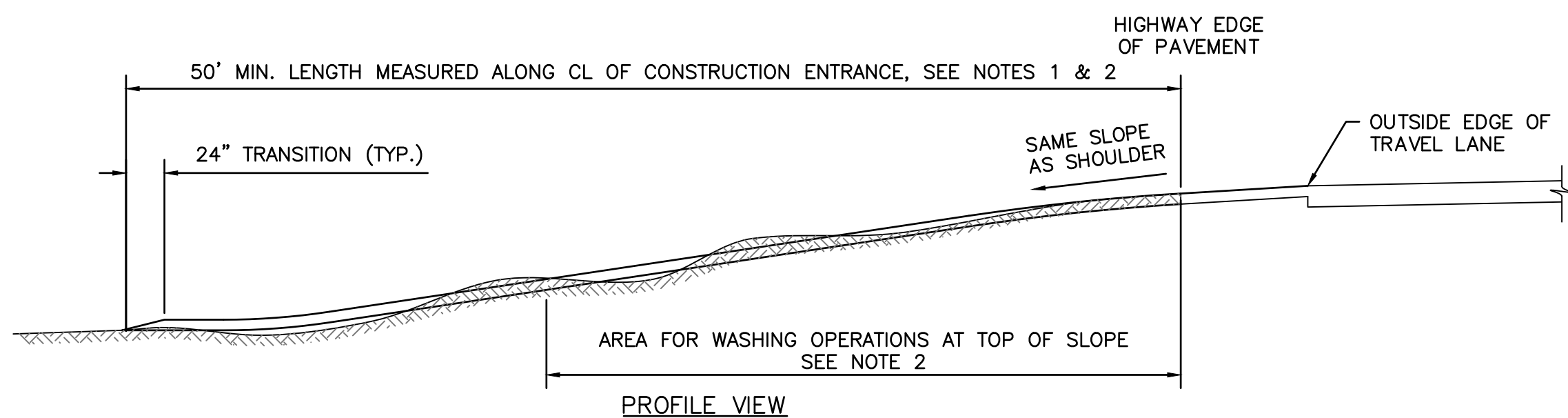
8. STANDARD SILT FENCE DOES NOT REQUIRE WOVEN WIRE FENCE. SUPER SILT FENCE REQUIRES CHAIN LINK FENCE IN-LIEU OF WOVEN WIRE FENCE AND THE POSTS MUST BE STANDARD CHAIN LINK FENCE POSTS AND BE DRIVEN 3 FEET INTO THE GROUND.

SILT FENCE

DETAIL

SCALE: N.T.S.

3  
C-401

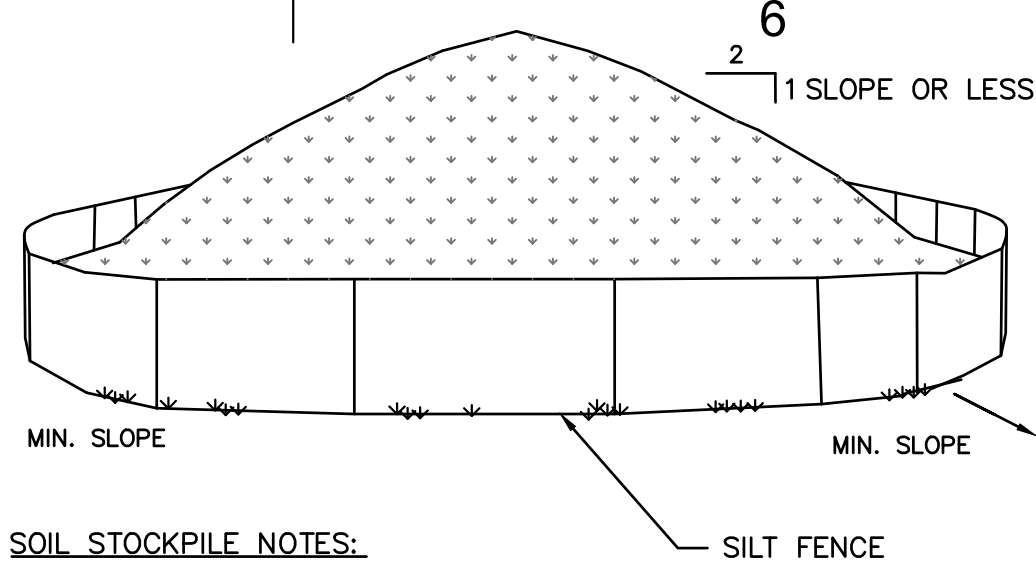


STABILIZED CONSTRUCTION ENTRANCE NOTES:

1. MODIFICATIONS MAY BE REQUIRED TO MATCH FIELD CONDITIONS.
2. A 30' WASH AREA SHALL BE PROVIDED, ADDITIONAL GRADING MAY BE REQUIRED TO PROVIDE WASHING AREAS.
3. GRADE TO PREPARE AND SMOOTH ORIGINAL GROUND FOR PLACEMENT OF 6" OF #3 CRUSHED STONE OR GRAVEL ENTRANCE MATERIAL UP TO THE EDGE OF PAVEMENT.
4. MAINTENANCE - MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
5. WASHING - CLEAN WHEELS TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
6. PERFORM WEEKLY INSPECTION AND NEEDED MAINTENANCE.
7. USE COMPOSITE FILTER SOCK FOR SEDIMENT CONTROL IN NYSDOT RIGHT-OF-WAY.

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SOIL STOCKPILE NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, SURROUND EACH PILE WITH SILT FENCING, THEN STABILIZE WITH VEGETATION OR COVER THE STOCKPILE IN ACCORDANCE WITH SITE SPECIFIC SWPPP.
4. SEE DETAILS FOR INSTALLATION OF SILT FENCE.
5. STOCKPILE HEIGHT SHOULD GENERALLY NOT EXCEED 20 FEET.

TEMPORARY SOIL STOCKPILE

DETAIL

SCALE: N.T.S.

4  
C-401



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SUITE 650  
WASHINGTON, DC 20007



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STAMP:

GATEWAY COMMUNITY  
SOLAR GARDEN

5246 NY-76  
RIPLEY, NY 14775

PROJECT NUMBERS:

194-1171-0003

SHEET TITLE:

EROSION & SEDIMENT  
CONTROL DETAILS

SHEET SIZE:

ARCH "D"  
24" X 36" (610 x 914)

0 1/2" 1"

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A	30% DESIGN	7/21/2021	CNT

DATE:	7/21/2021
DRAWN BY:	CNT
ENGINEER:	CNT
APPROVED BY:	

PROJECT PHASE:  
30% DESIGN

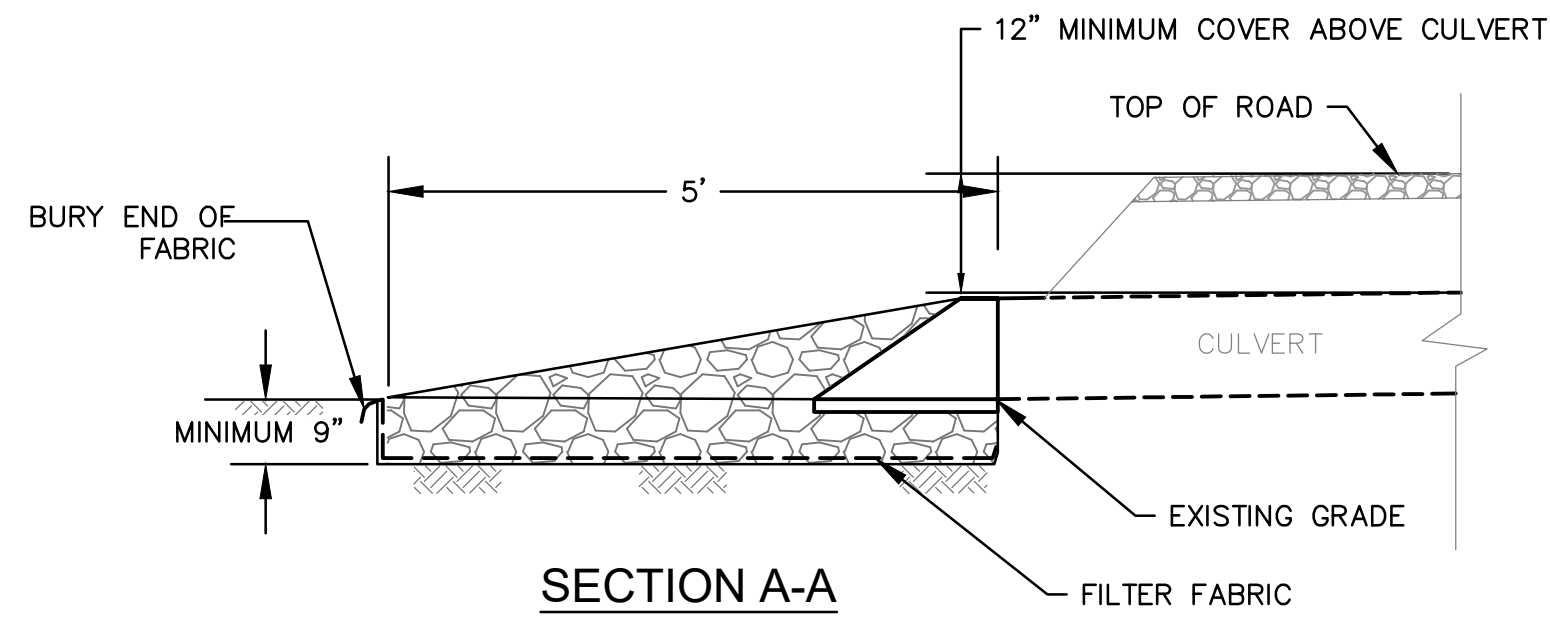
SCALE:  
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SHEET NO.:

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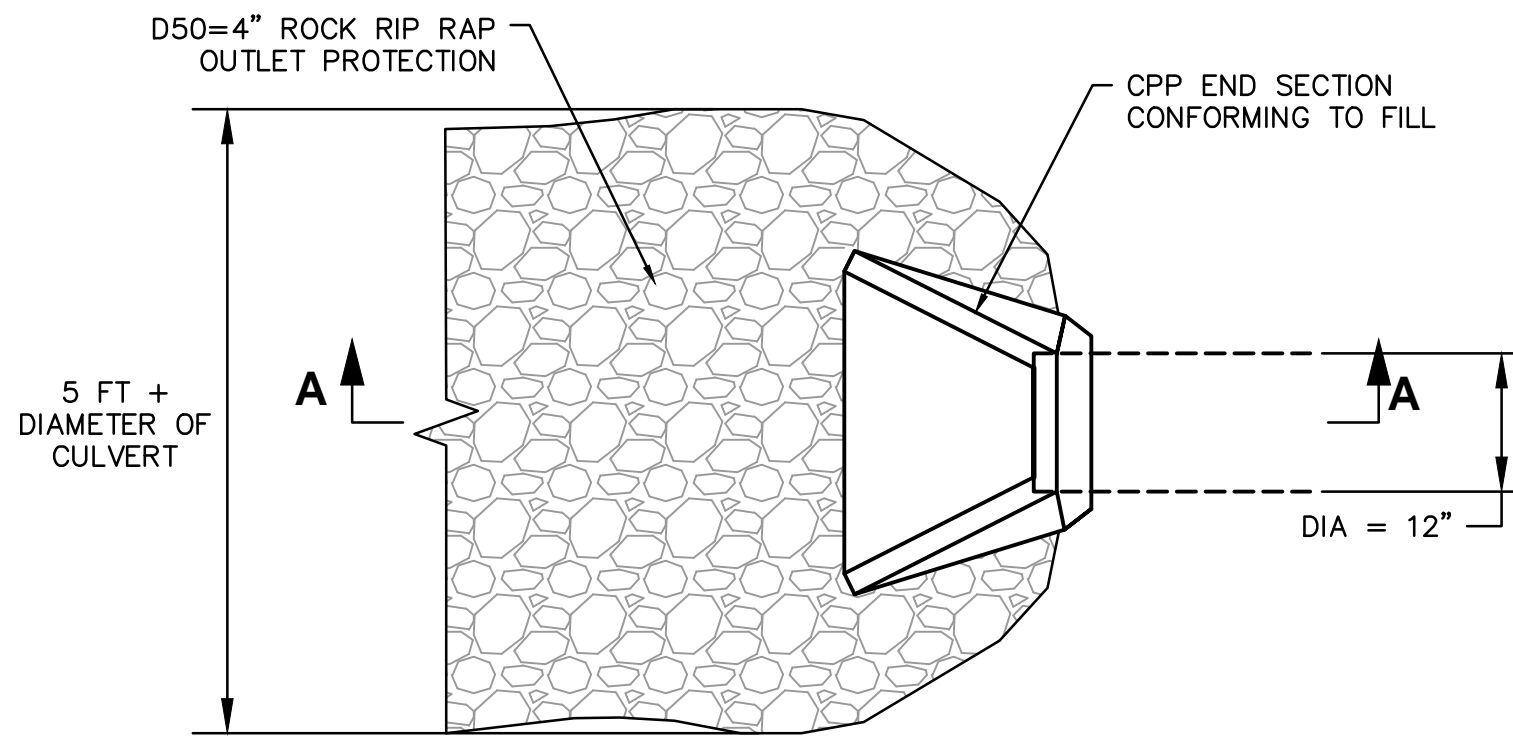
PLAN

CULVERT OUTLET PROTECTION

DETAIL

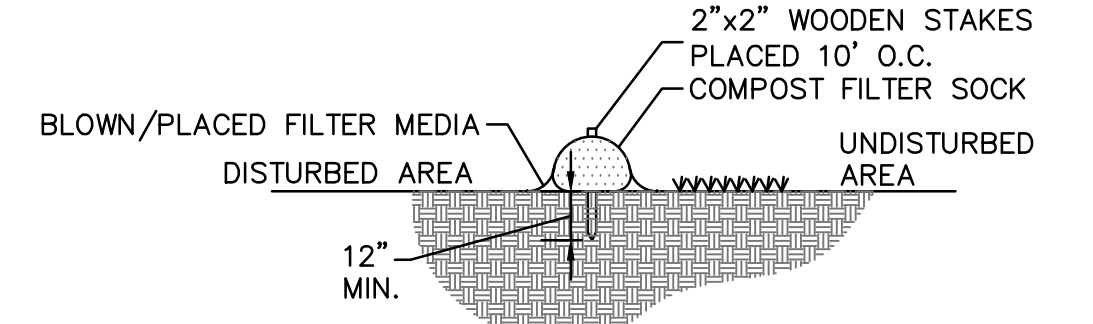
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1  
C-402



NOTES:

1. RIP-RAP APRON DIMENSIONS WILL VARY DEPENDING UPON THE GRADING CONFIGURATION.
2. ROCK FOR RIP-RAP SHALL CONSIST OF FIELD ROCK OR ROUGH UNHEWN QUARRY ROCK.
3. STONE RIP-RAP SHALL BE PLACED ON NON-WOVEN GEOTEXTILE HAVING A THICKNESS OF 60 MILS (MIN.), GRAB STRENGTH NO LESS THAN 120 LBS; AND SHALL CONFORM TO ASTM D-1777 AND ASTM D-1682.



SECTION VIEW

PLAN VIEW

COMPOST FILTER SOCK NOTES:

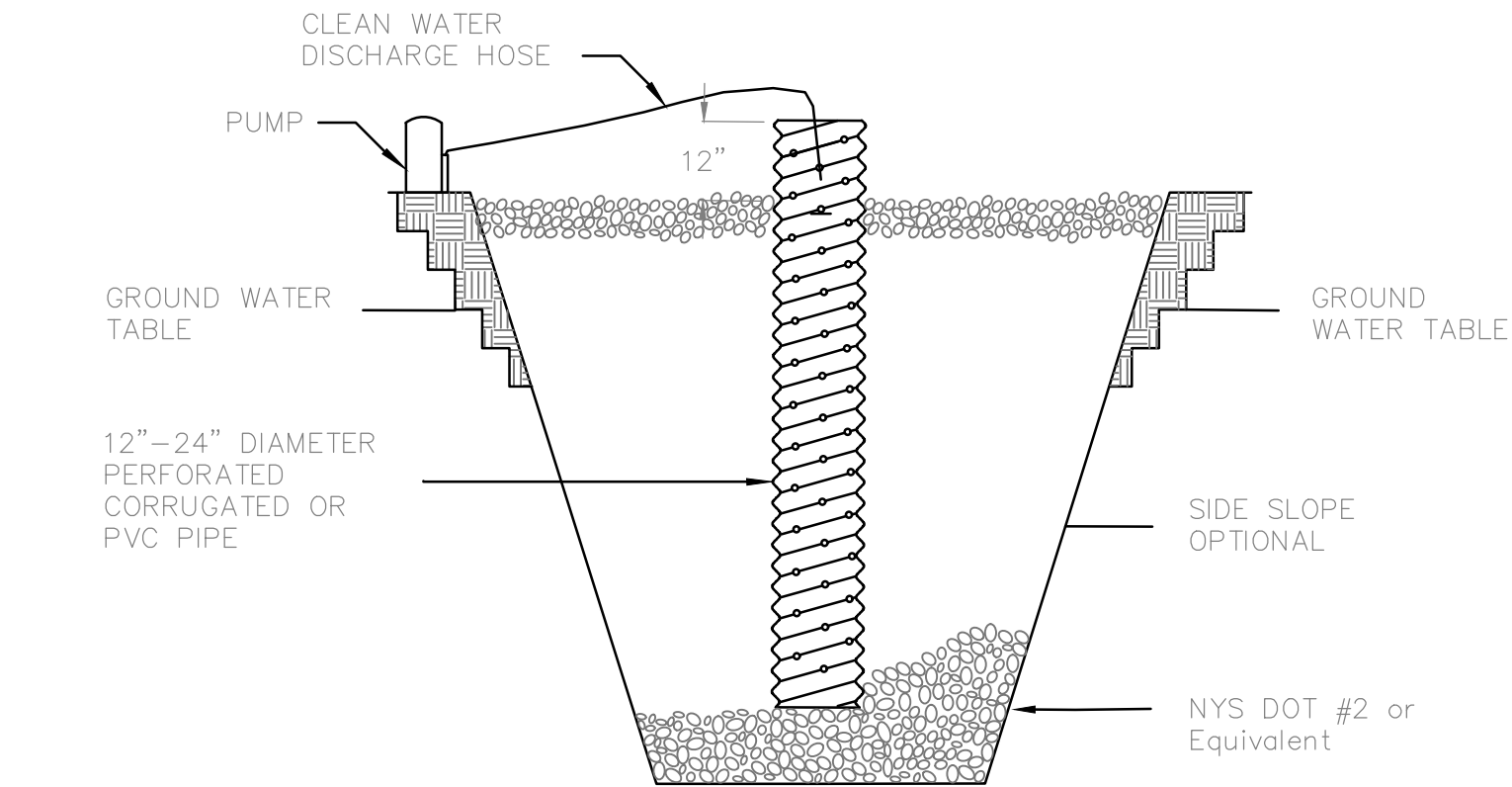
1. SOCK FABRIC SHALL MEET STANDARDS LISTED IN TABLE 5.1 OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016 OR LATEST VERSION). COMPOST SHALL MEET THE STANDARDS LISTED IN TABLE 5.2.
2. PLACE COMPOST FILTER SOCK AT EXISTING LEVEL GRADE. EXTEND BOTH ENDS OF THE SOCK AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK.
5. INSPECT SOCKS WEEKLY AND AFTER EACH RUNOFF EVENT. REPAIR DAMAGED SOCKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACE WITHIN 24 HOURS OF INSPECTION.
6. REPLACE BIODEGRADABLE FILTER SOCKS AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. REPLACE POLYPROPYLENE SOCKS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE TRIBUTARY AREA TO THE SOCKS, REMOVE STAKES. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, CUT OPEN THE MESH AND SPREAD THE MULCH AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK

DETAIL

SCALE: N.T.S.

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DEWATERING SUMP PIT NOTES:

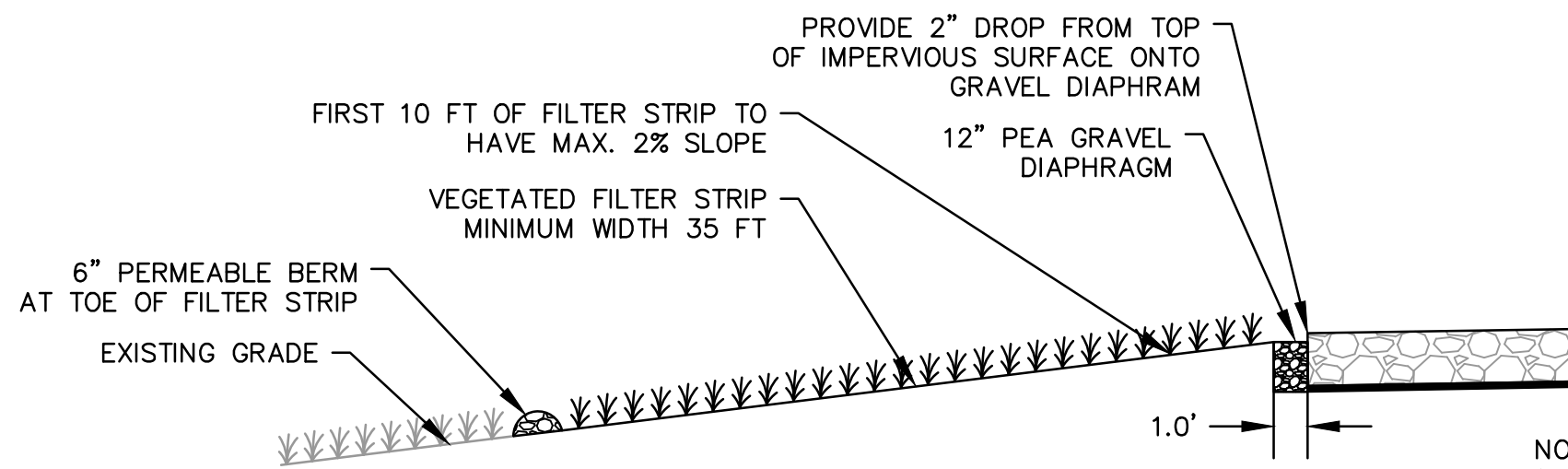
1. PIT DIMENSIONS ARE OPTIONAL.
2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12-24" DIAMETER CORRUGATED OR PVC PIPE.
3. A BASE OF 2" AGGREGATE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12" AFTER INSTALLING THE STANDPIPE. THE PIT SURROUNDING THE STANDPIPE SHOULD BE BACKFILLED WITH 2" AGGREGATE.
4. THE STANDPIPE SHOULD EXTEND 12-18" ABOVE THE LIP OF THE PIT.
5. DISCHARGE OF TURBID WATER PUMPED FROM THE STANDPIPE SHOULD BE TO A SEDIMENT TRAP, SEDIMENT BASIN, FILTER BAG OR STABILIZED AREA, SUCH AS A FILTER STRIP.
6. IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE SHOULD BE WRAPPED WITH FILTER CLOTH BEFORE INSTALLATION. IF DESIRED, 1/4" - 1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE, PRIOR TO ATTACHING THE FILTER CLOTH.

DEWATERING SUMP PIT

DETAIL

SCALE: N.T.S.

2  
C-402



TYPICAL GRASS FILTER STRIP

DETAIL

SCALE: N.T.S.

4  
C-402

- NOTES:
1. MEDIA FOR PERMEABLE BERM SHALL CONSIST OF 40% EXCAVATED SOIL, 40% SAND, AND 20% PEA GRAVEL.
  2. VEGETATED FILTER STRIP SHALL RECEIVE 3" OF COMPOST AMENDMENTS.

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RIPLEY, NY 14775

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B	30% DESIGN	2/18/2022	CNT

DATE: 2/18/2022  
DRAWN BY: CNT  
ENGINEER: CNT  
APPROVED BY:

PROJECT PHASE:  
30% DESIGN

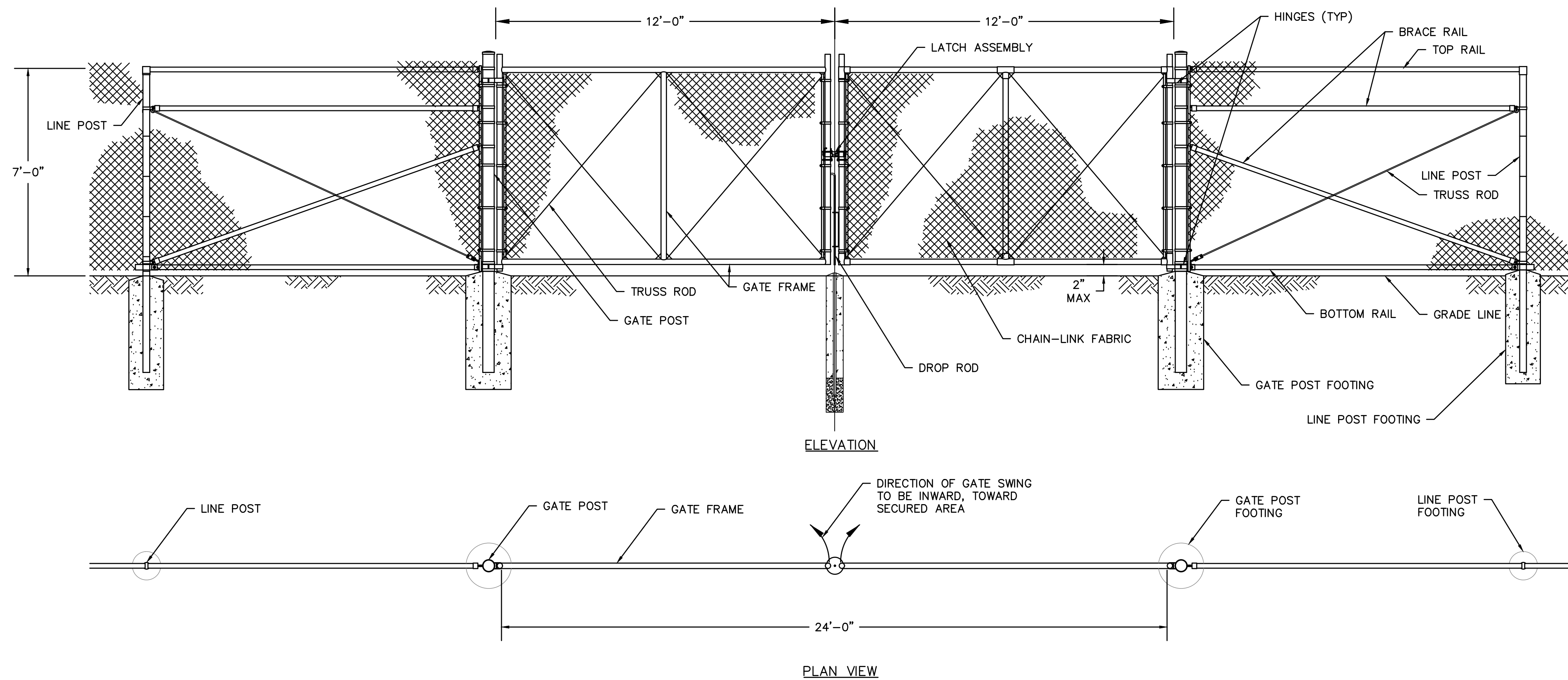
SCALE:  
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SHEET NO.:

C-402



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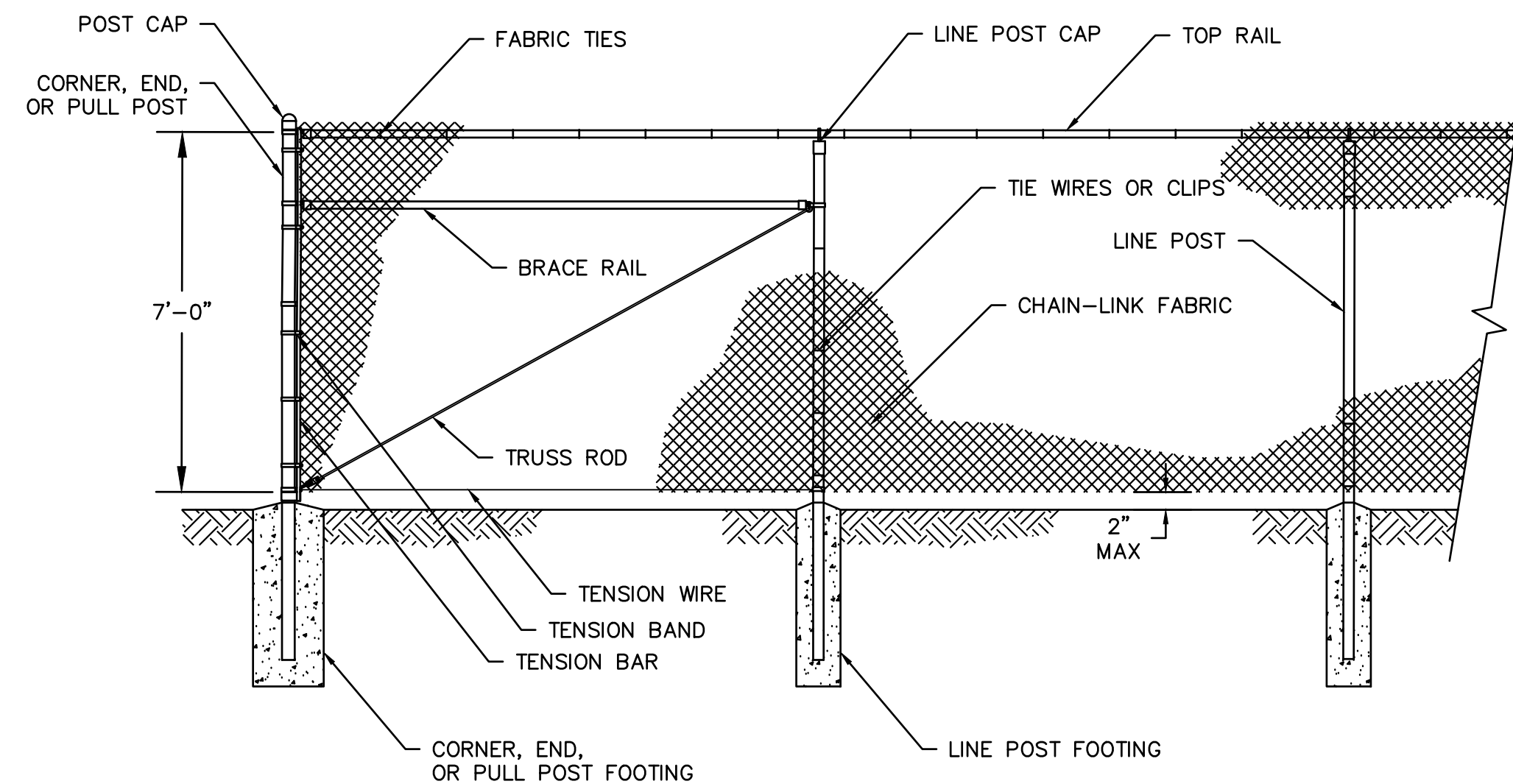


TYPICAL 24' DOUBLE SWING VEHICLE ACCESS GATE

DETAIL

SCALE: NTS

1  
C-403

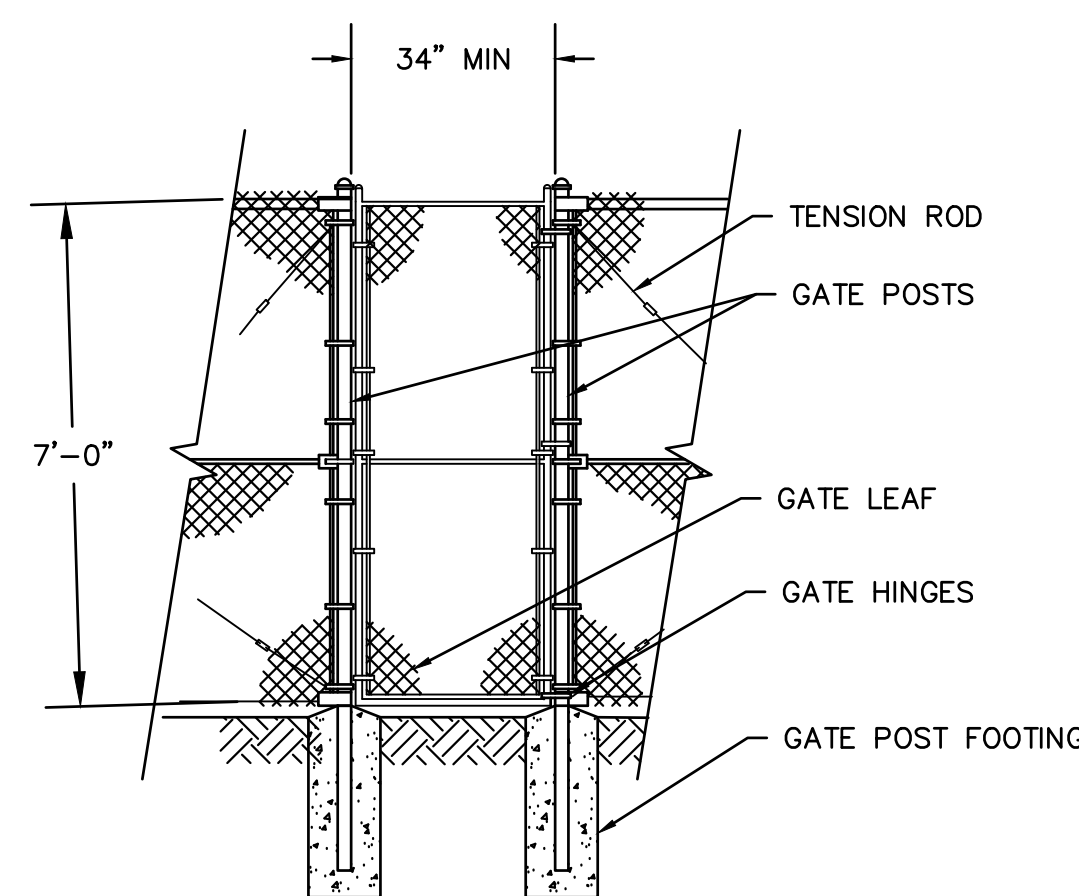


TYPICAL SECURITY PERIMETER FENCE

DETAIL

SCALE: NTS

2  
C-403

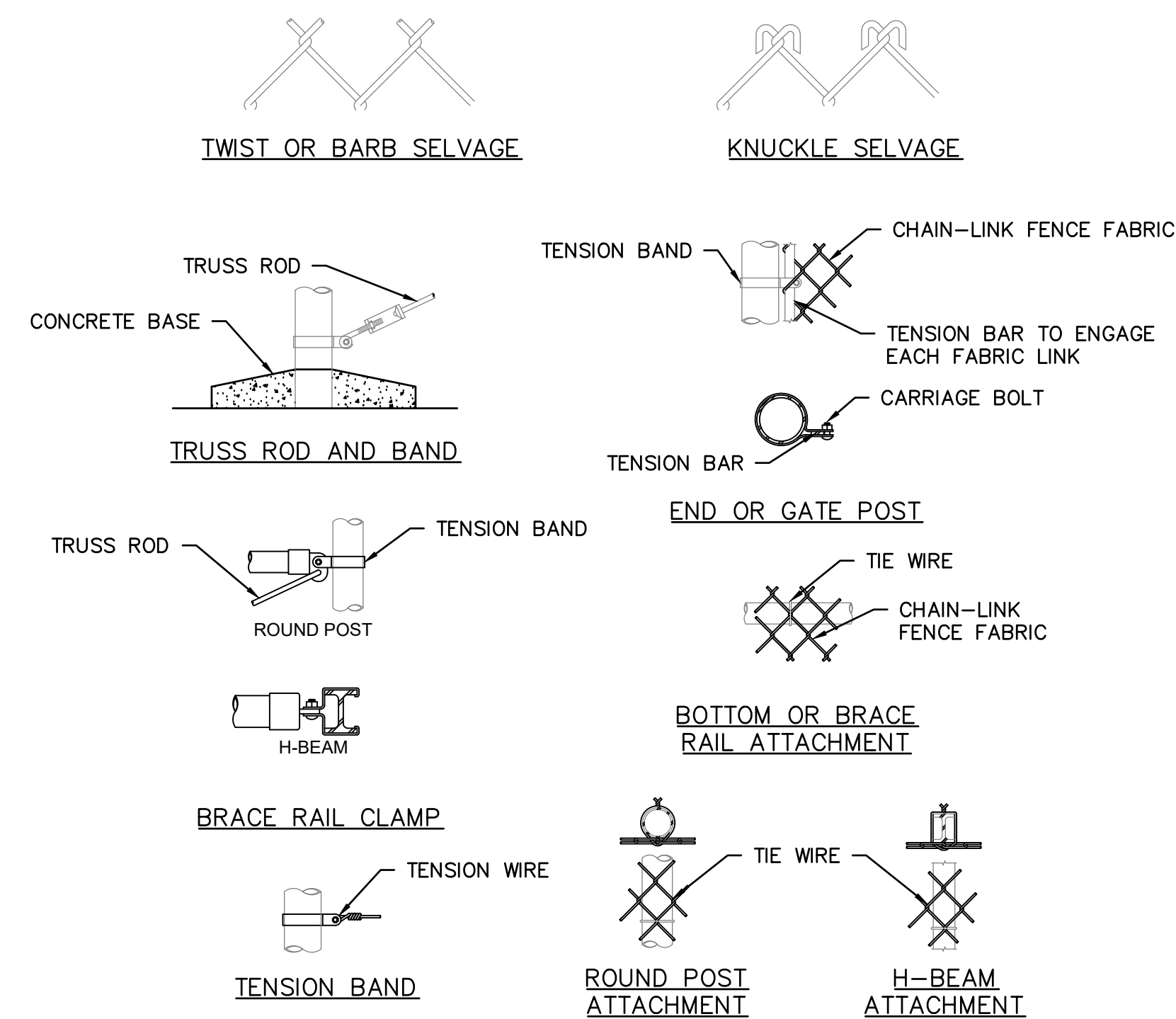


TYPICAL EMERGENCY PEDESTRIAN GATE

DETAILS

SCALE: NTS

3  
C-403



TYPICAL CHAIN LINK FENCE FASTENING

DETAILS

SCALE: NTS

4  
C-403

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FENCE & GATE NOTES:

1. SIZE AND DIMENSIONS OF THE FENCE AND GATE COMPONENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH THE CHAIN-LINK FENCE MANUFACTURER SPECIFICATIONS UNLESS OTHERWISE NOTED ON THIS DRAWING.
2. GROUNDING AND BONDING OF THE SECURITY FENCE SYSTEM SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), AND ALL OTHER APPLICABLE STATE AND LOCAL CODE REQUIREMENTS.
3. DOUBLE SWING GATE TO OPEN INWARD, TOWARD SECURED AREA AS SHOWN ON THE SITE PLAN.
4. INSTALL WIRE TIES, RAILS, POSTS, AND BRACES ON THE SECURE SIDE OF THE FENCE ALIGNMENT. PLACE CHAIN-LINK FABRIC ON THE OPPOSITE SIDE OF THE SECURE AREA.
5. DESIGN AND INSTALL GATE, LINE, CORNER, END, AND PULL POST CONCRETE FOOTINGS, AS REQUIRED, PER APPLICABLE CODES AND CHAIN-LINK FENCE MANUFACTURER SPECIFICATIONS.
6. TOP SELVAGES TO BE TWISTED, BOTTOM SELVAGES TO BE KNUCKLED.
7. SIGNAGE SHALL BE AS REQUIRED BY CODE WITH DETAILS INCLUDING FACILITY NAME, OWNER, AND CONTACT PHONE NUMBER. WARNING SIGNAGE TO BE PLACED AT BASE OF ALL PAD-MOUNTED TRANSFORMERS AND SUBSTATIONS.



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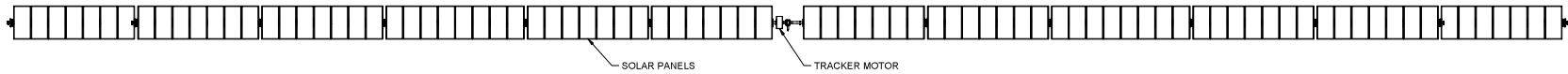
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PROJECT PHASE:  
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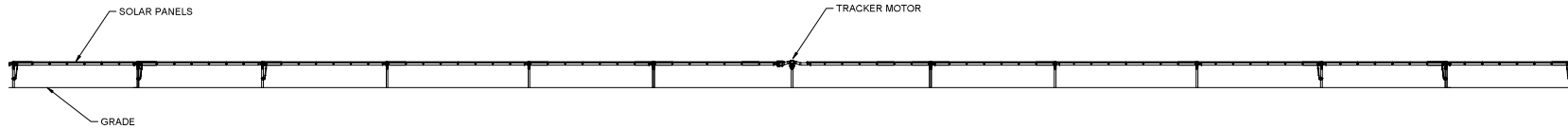
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SHEET NO.:  
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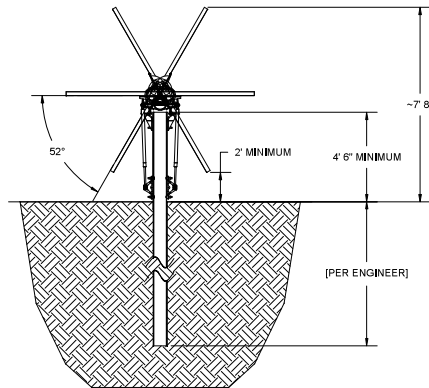




1 SINGLE AXIS TRACKER TOP DOWN VIEW  
NTS



2 SINGLE AXIS TRACKER EAST-WEST ELEVATION  
NTS



3 SINGLE AXIS TRACKER NORTH-SOUTH ELEVATION  
NTS



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SUITE 650  
WASHINGTON, DC 20007

PROJECT ADDRESS  
5248 NY 76  
RIPLEY, NY 14775

LAT: 42.2259  
LONG: -79.5592

#### SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	6.750 MW
SYSTEM SIZE AC	5.000 MW
DC/AC RATIO	1.350
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	15000
MODULE TYPE	HANWHA 450W BIFACIAL
MODULE STC RATING	450W
INVERTER COUNT	40
INVERTER TYPE	CPS SCA125KTU-DOUS
INVERTER POWER	125kW
RACKING	TBD
MONITORING	ALSO ENERGY

#### DESIGN CRITERIA

MIN/MAX TEMP.	-20° C / 31° C
WIND SPEED (ASCE 7-10)	135 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	CASE STUDY AREA
BUILDING HEIGHT	0-40'

#### OTHER NOTES

FACILITY AREA 29.85 ACRES INCLUDING SCREENING

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

#### REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	KHC	3/10/2021
1	ROAD UPDATE	KHC	4/6/2021
2	WETLANDS	SPC	5/25/2021
3			
4			
5			
6			
7			

#### DRAWN BY

KEVIN CORCORAN

#### PROJECT NAME

GATEWAY CSG

#### DRAWING TITLE

SAT RACKING DETAIL

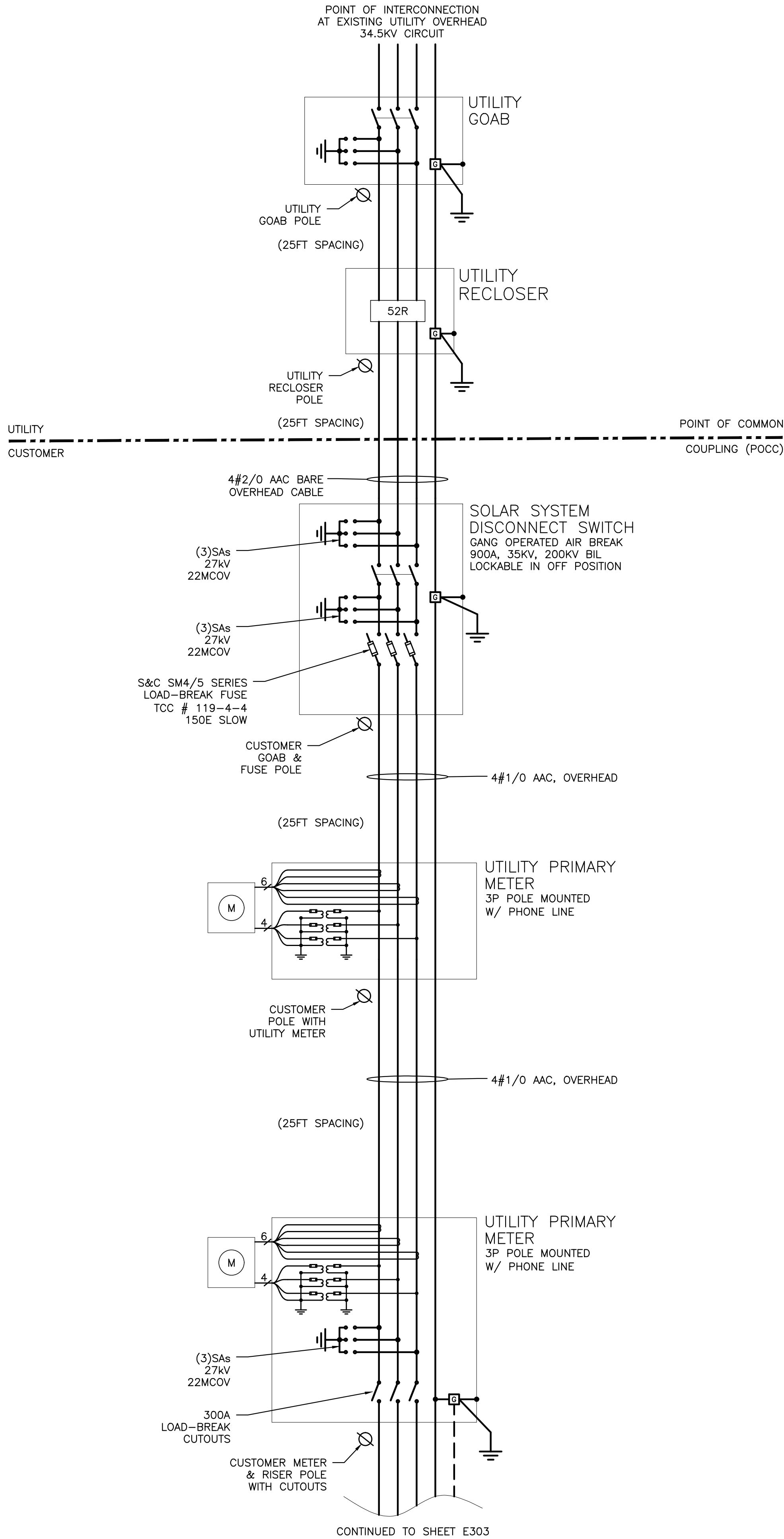
#### SCALE ¹

NTS

#### SHEET

PV2





1  
E302

THREE LINE DIAGRAM  
SCALE: NONE



DATE	REVISION DESCRIPTION	PM	ENG	CHK
6/18/2020	INTERCONNECTION DESIGN	BA	BA	MD