AC POWER 47, LLC
QUEENSBURY LANDFILL SOLAR
30% CIVIL PLANS (ISSUED FOR PERMITTING)

1396 RIDGE ROAD
TOWN OF QUEENSBURY
WARREN COUNTY,
NEW YORK

FEBRUARY 2026

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CONTACT INFORMATION	
PROJECT DEVELOPER	AC POWER 47, LLC 915 BROADWAY, SUITE 801 NEW YORK, NY 10010
PROPERTY OWNER	TOWN OF QUEENSBURY 742 BAY RD QUEENSBURY, NY 12804
CIVIL ENGINEER OF RECORD	TETRA TECH ENGINEERING & GEOLOGY CORPORATION, P.C. CERT# 022101 3136 SOUTH WINTON ROAD SUITE 303 ROCHESTER, NY 14623
SURVEYOR	MJ ENGINEERING, ARCHITECTURE, LANDSCAPE ARCHITECTURE, AND LAND SURVEYING, P.C. 21 CORPORATE DRIVE CLIFTON PARK, NY 12065
SYSTEM DESCRIPTION	
DC SYSTEM SIZE	6.14 MW DC
AC SYSTEM SIZE TARGET	5.00 MW AC @ POI
DC/AC RATIO	1.23
MODULE	Q. PEAK DUO XL-G11.3 585W
STRING LENGTH	13 & 26
MODULE QUANTITY	10,504
AZIMUTH/TILT	FIXED TILT - 180 DEGREES/25 DEGREES
MAX HEIGHT FROM GROUND	12 FT
GROUND COVER RATIO	50%
INTER ROW SPACING	14.43 FT
CIVIL SUMMARY	
PROJECT PARCEL NUMBER(S)	279-1-14.1 & 279-1-14.2
PROJECT PARCEL ACREAGE	51.30 ACRES
LIMIT OF DISTURBANCE AREA	±19.88 ACRES
ACCESS ROAD WIDTH	20 FT
ACCESS ROAD LENGTH	±193 FT
CHAIN-LINK FENCE LENGTH	±1,380 FT

PREPARED BY:

TETRA TECH

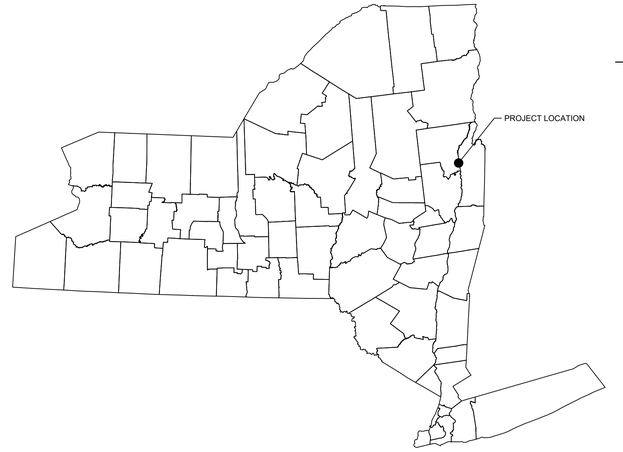
complex world | CLEAR SOLUTIONS™

3136 SOUTH WINTON ROAD, SUITE 303
ROCHESTER, NEW YORK 14623
TEL: (973) 368-3901

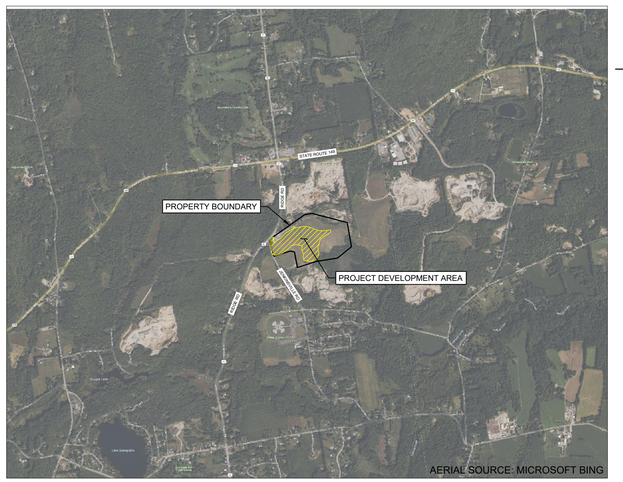
PREPARED FOR:

AC POWER

915 BROADWAY, SUITE 801
NEW YORK, NY 10010
TEL: (845) 648-2955



STATE VICINITY MAP
TOWN OF QUEENSBURY
WARREN COUNTY, NEW YORK
SCALE: N.T.S



TOWN VICINITY MAP
1396 RIDGE ROAD
QUEENSBURY, NY 12804
SCALE: 1" = 2000'

Know what's below. Call before you dig.

TETRA TECH
TETRA TECH ENGINEERING CORPORATION, P.C. CERT #022101
3136 SOUTH WINTON ROAD, SUITE 303
ROCHESTER, NY 14623

NOT FOR CONSTRUCTION
PRELIMINARY

915 BROADWAY, SUITE 801
NEW YORK, NY 10010
T: +1 (845) 648-2955
WWW.ACPOWERLLC.COM

MARK	DATE	DESCRIPTION	BY
A	10/13/25	30% CIVIL DESIGN (IFP)	NCM
B	12/02/25	30% CIVIL DESIGN (IFP)	NCM
C	02/02/26	30% CIVIL DESIGN (IFP)	NCM

AC POWER 47, LLC
QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804
COVER SHEET

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-000

Bar Measures 1 inch, otherwise drawing not to scale

2/2/2026 11:57:50 AM - C:_ADJACCDOCS\TETRA TECH INC\194-1191-0011 RIDGE RD\PROJECT FILES\CIVIL\100 - TITLE & NOTES.DWG - MCCABE, NATE

EXISTING CONDITIONS & SURVEY NOTES

1. CONTOUR DATA AND EXISTING CONDITIONS INFORMATION OBTAINED FROM ALTA/NSPS LAND TITLE SURVEY BY MJ ENGINEERING, ARCHITECTURE, LANDSCAPE ARCHITECTURE, AND LAND SURVEYING, P.C., DATED AUGUST 8, 2025. THIS DATA IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) NEW YORK STATE PLANE EASTERN ZONE IN US SURVEY FEET.
2. DELINEATED WETLAND INFORMATION IS BASED ON THE WETLAND DELINEATION REPORT BY TETRA TECH, INC DATED JUNE 19, 2025.
3. THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE, AND UTILITY LINES MAY EXIST WHERE NONE ARE SHOWN. SOME INFORMATION MAY HAVE BEEN DERIVED FROM INFORMATION PROVIDED TO THE ENGINEER BY OTHERS. SUCH INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
4. LANDFILL CAP EXTENTS BASED ON RECORD INFORMATION FROM THE QUEENSBURY LANDFILL CLOSURE REPORT DATED SEPTEMBER 1995. LANDFILL CAP EXTENTS MUST BE CONFIRMED PRIOR TO ANY EARTH DISTURBANCE/EXCAVATION.
5. VERIFY ALL LOCATIONS OF GAS VENTS AND MONITORING WELLS PRIOR TO CONSTRUCTION.

EROSION & SEDIMENT CONTROL NOTES:

1. CONDUCT SOIL DISTURBANCE IN SUCH A MANNER AS TO MINIMIZE EROSION. CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE TEMPORARY OR PERMANENT MEASURES FOR SOIL STABILIZATION.
2. CONSTRUCT SOIL EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
4. STABILIZE AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3 HORIZONTAL: 1 VERTICAL WITH EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING. STABILIZE CONSTRUCTION DITCHES WITH EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING.
5. REMOVE SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, OR PARKING AREA BY SCRAPING, OR STREET CLEANING, AS ACCUMULATIONS WARRANT AND TRANSPORT TO A CONTROLLED SEDIMENT DISPOSAL AREA.
6. ERECT FILTER SOCK AROUND TEMPORARY SOIL STOCKPILES REGARDLESS OF EXPOSURE TIME.
7. IF DEWATERING SERVICES ARE USED, PROTECT ADJOINING PROPERTIES AND DISCHARGE LOCATIONS FROM EROSION. ROUTE DISCHARGES THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE SUCH AS A SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE.
8. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY AND OUTLINED IN THE SWPPP.
9. INSPECT AND MAINTAIN ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL MEASURES AS NEEDED AND IN ACCORDANCE WITH THE NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY, PERMIT NO. GP-0-25-001 OR LATEST VERSION APPLICABLE, AND AS SPECIFIED IN THE SWPPP.

GENERAL NOTES:

1. CONTACT DIG SAFELY NEW YORK AT 811 AND ANY NON-PARTICIPATING UTILITY COMPANIES AT LEAST 2 WORKING DAYS BEFORE CONSTRUCTION. EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF PERTINENT UTILITIES, AND OTHER EXISTING FEATURES IN OR NEAR THE AREA OF WORK, WHETHER INDICATED ON THESE DRAWINGS OR NOT. SHOULD A CONFLICT EXIST, NOTIFY THE ENGINEER AS SOON AS POSSIBLE. EXERCISE DUE CARE TO AVOID DISTURBING ANY UNDERGROUND UTILITIES. COORDINATE ANY POTENTIAL DISRUPTION IN UTILITY SERVICE WITH THE UTILITY COMPANIES AFFECTED AT LEAST 24 HOURS PRIOR TO DISRUPTION. REPAIR DAMAGE TO EXISTING UTILITIES AT CONTRACTOR'S EXPENSE.
2. DO NOT ERECT ANY IMPROVEMENTS, FENCES, PLANTINGS, ETC., WITHIN ANY PUBLIC RIGHT OF WAY.
3. PERFORM ALL WORK IN ACCORDANCE WITH SECTION 202-H OF THE PROPOSED NEW YORK STATE LABOR LAW (CODE RULE 57) KNOWN AS THE "HIGH-VOLTAGE PROXIMITY ACT". "HIGH-VOLTAGE LINES" MEANS ELECTRICAL CONDUCTORS INSTALLED ABOVE GROUND AND HAVING A VOLTAGE DIFFERENTIAL IN EXCESS OF 600 VOLTS BETWEEN ANY PAIR OF CONDUCTORS OR BETWEEN ANY CONDUCTOR AND GROUND. IN THE CASE OF ALTERNATING CURRENT, THE VOLTAGE SHALL BE MEASURED IN R.M.S. VALUE. THIS DEFINITION SHALL NOT INCLUDE APPROVED ARMORED CABLE USED TO SUPPLY POWER TO PORTABLE EQUIPMENT AND INSULATED POWER CABLES ENCLOSED IN APPROVED METALLIC RACEWAYS.
4. POST WARNING SIGNS IN ACCORDANCE WITH THE HIGH-VOLTAGE PROXIMITY ACT.
5. BE RESPONSIBLE FOR ALL PERMITS AND APPROVALS FOR CONSTRUCTION ACTIVITIES THAT OCCUR OFF-SITE OR OCCUR WITHIN EXISTING EASEMENT OR RIGHT-OF-WAY AREAS.
6. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATION TO CONSTRUCTION DETAILS AND WORK QUANTITIES. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC., IN FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR SHOP DRAWINGS.
7. COORDINATE WORK OF ALL DISCIPLINES (SITE WORK, STRUCTURAL, ELECTRICAL, ETC.), EXISTING CONDITIONS, SPECIAL REQUIREMENTS, CONSTRUCTION SCHEDULE AND OTHER CONTRACTORS PERFORMING WORK AT THE SITE.
8. EXCAVATED MATERIAL MAY BE REUSED UPON APPROVAL BY THE OWNER'S REPRESENTATIVE.
9. OBSERVE ALL OSHA AND OTHER APPLICABLE SAFETY REQUIREMENTS INCLUDING THE USE OF SAFETY GLASSES, HARD HATS, AND PROTECTION OF AREA WHEN WORKING OVERHEAD. BE RESPONSIBLE FOR CONSTRUCTION SAFETY AT ALL TIMES.
10. DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER OR DAMAGE ANY EXISTING STRUCTURAL COMPONENTS, EXISTING APPURTENANCES, OR INSTALLED STRUCTURES OR SYSTEMS.
11. BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, AND CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, THEIR AGENTS OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK.
12. FOLLOW GUIDANCE AND RECOMMENDATIONS PROVIDED IN THE STORMWATER POLLUTION PREVENTION PLAN. BRING TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION IF CONFLICT OCCURS BETWEEN CONSTRUCTION DOCUMENTS.
13. BE RESPONSIBLE FOR OBTAINING ALL PERMITS ASSOCIATED WITH WORKING IN THE ROAD RIGHT-OF-WAY.
14. PROVIDE APPROPRIATE FLAGGING AND/OR SIGNAGE NEEDED DURING CONSTRUCTION.
15. ALL SOLAR COLLECTOR INSTALLATION MUST BE PERFORMED BY A QUALIFIED SOLAR INSTALLER (SECTION 179-5-140 (H)(1))
16. PRIOR TO OPERATION, ELECTRICAL CONNECTIONS MUST BE INSPECTED BY THE TOWN'S BUILDING INSPECTOR AND BY AN APPROPRIATE ELECTRICAL INSPECTION PERSON OR AGENCY, AS DETERMINED BY THE TOWN'S DIRECTOR OF BUILDING AND CODES (SECTION 179-5-140 (H)(2))
17. ANY CONNECTION TO THE PUBLIC UTILITY GRID MUST BE INSPECTED BY THE APPROPRIATE PUBLIC UTILITY. (SECTION 179-5-140 (H)(3))
18. SOLAR ENERGY SYSTEMS SHALL BE MAINTAINED IN GOOD WORKING ORDER (SECTION 179-5-140 (H)(4))
19. MAINTAIN AND PRESERVE ALL EXISTING SITE DRAINAGE CHANNELS AND FEATURES INCLUDING RIP-RAP.
20. CONTRACTOR MAY ADJUST LOCATIONS OF SOIL STOCKPILE AND CONCRETE WASHOUT AREAS WITH OWNER APPROVAL AND ONLY WITHIN THE DISTURBED AREA. CONCRETE WASHOUT AND SOIL STOCKPILES CANNOT BE ADJACENT TO OR WITHIN A WETLAND OR STREAM.
21. EXCAVATION SPOILS SHALL BE CHARACTERIZED AND PROPERLY DISPOSED OF ACCORDING TO RCRA PERMIT. FINAL COVER SHALL BE REPLACED TO PRE-EXISTING CONDITIONS.
22. ALL ABOVE GROUND ELECTRIC SHALL BE SET ON A CABLE TRAY TO BE APPROVED BY GENERAL ENGINEER.
23. SOIL RESTORATION TO OCCUR WITHIN LIMITS OF DISTURBANCE. SEE PRELIMINARY STORMWATER POLLUTION PREVENTION PLAN FOR DETAILS ON SOIL RESTORATION PRACTICES.
24. AVOID CONSTRUCTING PANEL BALLASTS ON SLOPES >15%.
25. A LANDFILL POST-CLOSURE USE MODIFICATION REQUEST WAS SENT BY TETRA TECH, INC. TO THE NYSDEC FOR REVIEW AND APPROVAL ON NOVEMBER 7, 2025. THIS REQUEST INCLUDES GEOTECHNICAL/STRUCTURAL CALCULATIONS AND ANALYSIS PERFORMED BY TETRA TECH. CONTRACTOR TO ENSURE ALL REQUIREMENTS LISTED IN APPROVED THE POST-CLOSURE USE MODIFICATION REQUEST ARE FOLLOWED.
26. CONCRETE BALLASTS WILL MOST LIKELY BE CONSTRUCTED OFF-SITE. CONCRETE MIXING TRUCKS WILL LIKELY NOT BE ON-SITE.
27. DISTURBANCE TO THE EXISTING VEGETATIVE COVER IS TO BE AS MINIMAL AS POSSIBLE.
28. WITHIN LANDFILL EXTENTS, ONLY LOW-GROUND PRESSURE CONSTRUCTION EQUIPMENT ARE PERMITTED. USE ON LANDFILLS IS LIMITED. SITE TRAFFIC THAT IS NOT LOW IMPACT WILL BE RESTRICTED TO THE EXISTING ACCESS ROADS.
29. TEMPORARY ACCESS ROADS MAY BE CONSTRUCTED, AS NECESSARY, TO ALLOW VEHICLE TRAFFIC ASSOCIATED WITH THE PROJECT TO BE CARRIED OUT WITHOUT DAMAGE TO ANY COMPONENT OF THE LANDFILLS. IF A TEMPORARY ROAD IS REQUIRED, IT WILL BE DESIGNED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF NEW YORK AND SHALL CONSIST OF, AT A MINIMUM, 18" OF GRAVEL, 8' WIDE, OVER A WOVEN GEOTEXTILE - INSTALLED ABOVE THE EXISTING TOPSOIL. THESE TEMPORARY ROAD AREAS WILL BE RESTORED TO VEGETATED CONDITIONS AFTER CONSTRUCTION BY THE CONTRACTOR.
30. DO NOT INSTALL GRAVEL OR BALLASTS ON TOP OF EXISTING DRAINAGE INLETS OR SWALES.
31. MAINTAIN 20' BUFFERS FROM MANHOLES, AND 12' BUFFERS FROM VENTS AND MONITORING WELLS.
32. NO MORE THAN 5-ACRES TO BE DISTURBED AT A TIME. WORK IN SECTIONS TO MINIMIZE EXPOSED AREAS.
33. PRIOR TO COMMENCING OPERATION OF THE SOLAR ARRAY, A SOLAR POWER GENERATING FACILITY CONSTRUCTION CERTIFICATION REPORT WILL BE PROVIDED TO THE NYSDEC WITHIN 90 DAYS OF COMPLETION OF THE CONSTRUCTION. THE CERTIFICATION REPORT WILL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. SEE POST-CLOSURE USE MODIFICATION REQUEST BY TETRATECH.
34. ONCE CONSTRUCTION IS COMPLETED, CLIENT TO SUBMIT A FINAL INSPECTION LETTER TO THE NYSDEC. CLIENT TO PROVIDE NOTIFICATION TO THE NYSDEC WITHIN FIVE (5) WORKING DAYS OF COMPLETION OF THE PROJECT AND WITHIN FIVE (5) WORKING DAYS OF CONNECTION WITH THE LOCAL UTILITY.

PROJECT CONSTRUCTION SEQUENCING NOTES:

1. PRIOR TO COMMENCING CONSTRUCTION OF THE SOLAR ARRAY AND ASSOCIATED FEATURES, FLAG THE WORK LIMITS AND INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. COMPOST FILTER SOCKS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
2. FOLLOWING THE INSTALLATION OF SEDIMENT CONTROL FEATURES, STABILIZE THE AREAS DISTURBED.
3. INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E., VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.) PRIOR TO CONSTRUCTION.
4. LOCATE TEMPORARY DIVERSION MEASURES IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. INSPECT THESE TEMPORARY DIVERSION MEASURES DAILY AND REPAIR/STABILIZE AS NECESSARY TO MINIMIZE EROSION.
5. COMMENCE SITE CONSTRUCTION ACTIVITIES AS REQUIRED.
6. IMMEDIATELY FOLLOWING COMPLETION OR SUSPENSION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, ESTABLISH PERMANENT VEGETATION ON ALL EXPOSED SOILS.
7. REPAIR LANDFILL COVER AND RESTORE SOILS THAT HAVE BEEN DISTURBED AND COMPACTED DUE TO CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE PROJECT SWPPP (WHICH INCLUDES DE-COMPACTION, COMPOST ADDITION AND TOPSOIL PLACEMENT).
8. UPON ESTABLISHMENT OF PERMANENT VEGETATIVE COVER ON ALL DISTURBED AREAS OF THE SITE, REMOVE THE CONSTRUCTION FABRIC FROM THE PRIMARY INLET OF THE OUTLET CONTROL STRUCTURE. THIS SHALL ONLY BE DONE WHEN THE PRIMARY OUTLET IS NO LONGER SUBMERGED.
9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.
10. REFER TO THE SWPPP FOR ADDITIONAL SEQUENCING INFORMATION.

GENERAL DRAINAGE & GRADING NOTES:

1. EXCAVATION WITHIN THE LANDFILL CAP IS PROHIBITED, ANY TRENCHING OR OTHER EXCAVATION ACTIVITIES MUST BE CONFIRMED TO BE OUTSIDE THE LANDFILL CAP. ALL EXCAVATION WORK WILL REQUIRE NYSDEC APPROVAL BEFORE PROCEEDING.
2. DEWATER THE EXCAVATIONS AS REQUIRED TO MAINTAIN A STABILIZED SLOPE.
3. ALL SEDIMENT LADEN WATER SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE.
4. 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.
5. DO NOT PLACE FILL, EMBANKMENT, OR BACKFILL MATERIAL ON FROZEN GROUND. FROZEN MATERIALS SUCH AS SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT UNLESS APPROVED IN WRITING BY THE ENGINEER.
6. BE RESPONSIBLE FOR DAMAGE TO EXISTING FEATURES INTENDED TO REMAIN. REPAIR/REPLACE DAMAGE TO FEATURES IN KIND. REPORT ANY DAMAGE PROMPTLY.
7. WHERE TREE AND STUMP REMOVAL OCCURRED, GRADE AREA TO LEVEL SURFACE SO THAT SLOPES DO NOT EXCEED 5%.
8. PROVIDE POSITIVE DRAINAGE AWAY FROM EQUIPMENT PADS AT NO MORE THAN 1%.
9. EARTHWORK QUANTITIES ARE APPROXIMATE AND BASED ON FINAL GRADES (NO TEMPORARY GRADING INCLUDED). CONTRACTOR TO VERIFY FINAL VOLUMES BASED ON SPECIFIC EQUIPMENT AND PROCEDURES USED IN THE FIELD.
10. TIE IN ALL GRADES TO ENSURE POSITIVE DRAINAGE AT NON EROSIVE VELOCITIES.
11. WITHIN LANDFILL EXTENTS, ONLY HAND TOOLS OR EXCAVATORS USING BUCKETS WITHOUT TEETH ARE PERMITTED FOR MINOR EXCAVATIONS.
12. GRADE STAKES AND OTHER MARKING AND STAKING MATERIALS THAT COULD CAUSE DAMAGE TO THE LANDFILL COVER ARE NOT PERMITTED.
13. ANY RUTTING OR EXPOSED SOIL SHOULD BE PROMPTLY FILLED, COVERED AND STABILIZED BY THE CONTRACTOR.

EARTHWORK

SUBMITTALS:
- NAME OF MATERIAL SUPPLIERS
- MANUFACTURER'S CERTIFICATE: CERTIFY PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS

PRODUCTS:

SOIL MATERIALS: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS. SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUP SYMBOLS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER. UNSATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GC, SC, ML, MH, CL, CH, OL, OH, AND PT, OR A COMBINATION OF THESE GROUP SYMBOLS.

STRUCTURAL FILL: REFER TO EXCAVATION, BACKFILL AND COMPACTION SPECIFICATIONS IN THE STRUCTURAL SHEETS.

UNCLASSIFIED FILL: SATISFACTORY SOIL MATERIALS.

BACKFILL AND FILL: SATISFACTORY SOIL MATERIALS.

SUBBASE MATERIAL: PROVIDE SUBBASE IN CONFORMANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR SUBBASE AGGREGATE ITEM 304.12, TYPE 2 OR ITEM 304.14, TYPE 4 AS SPECIFIED ON THE DRAWINGS. REFER TO SECTIONS 304 AND 733-04.

GRAVEL FOR GRAVEL DIAPHRAGMS: ¾" CLEAN STONE OR CLEAN BANK RUN PEA GRAVEL.
FILTER STRIP SAND: ASTM C-33 FINE AGGREGATE SAND, 0.02 INCH TO 0.04 INCH IN SIZE.

COMPOST: PROVIDE MATERIAL IN CONFORMANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016 OR LATEST) FOR FULL SOIL RESTORATION.

GEOTEXTILE: PRODUCTS AS NOTED ON THE DETAILS.

FILTER FABRIC: PROVIDE SATISFACTORY MATERIALS.

INSTALLATION:

PREPARATION: PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS.

EXCAVATE UTILITY TRENCHES TO INDICATED GRADIENTS, LINES, DEPTHS, AND INVERT ELEVATIONS OF UNIFORM WIDTHS TO PROVIDE A WORKING CLEARANCE ON EACH SIDE OF PIPE OR CONDUIT. EXCAVATE TRENCH WALLS VERTICALLY FROM TRENCH BOTTOM TO 12 INCHES HIGHER THAN TOP OF PIPE OR CONDUIT. EXCAVATE TRENCHES DEEPER THAN BOTTOM OF PIPE ELEVATION, 6 INCHES DEEPER IN ROCK, 4 INCHES DEEPER ELSEWHERE, TO ALLOW FOR BEDDING COURSE. HAND EXCAVATE FOR BELL OF PIPE. TRENCH WALLS SHALL BE SHORED OR SLOPED IN ACCORDANCE WITH OSHA REGULATIONS.

PROOF ROLL SUBGRADES, BEFORE FILLING OR PLACING AGGREGATE COURSES, WITH HEAVY PNEUMATIC-TIRED EQUIPMENT TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF ROLL WET OR SATURATED SUBGRADES. ALL TOPSOIL AND/OR ORGANIC MATERIAL SHALL BE REMOVED FROM AREAS TO RECEIVE FILL.

RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES. BACKFILL AND FILL SHALL NOT BE PLACED ON FROZEN MATERIAL.

UTILITY TRENCH BACKFILL: PLACE, COMPACT, AND SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR PIPES AND CONDUITS OVER ROCK AND OTHER UNYIELDING BEARING SURFACES AND TO FILL UNAUTHORIZED EXCAVATIONS.

PLACE AND COMPACT INITIAL BACKFILL OF SATISFACTORY SOIL MATERIAL OR SUBBASE MATERIAL, FREE OF PARTICLES LARGER THAN 1.5 INCH, TO A HEIGHT OF 12 INCHES OVER THE UTILITY PIPE OR CONDUIT. PLACE AND COMPACT FINAL BACKFILL OF SATISFACTORY SOIL MATERIAL TO FINAL SUBGRADE.

FILL: PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS.

COMPACTION: PLACE BACKFILL, SUBBASE MATERIAL AND UNCLASSIFIED FILL MATERIALS IN LAYERS NOT MORE THAN 12 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGE OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 1557, OR AS SPECIFIED.

BACKFILL: EACH LAYER SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY.

STRUCTURAL FILL: ALL FILL PLACED AROUND THE FOUNDATIONS SHALL BE COMPACTED IN ACCORDANCE WITH THE EXCAVATION, BACKFILL AND COMPACTION SPECIFICATIONS OUTLINED IN THE STRUCTURAL SHEETS.

STANDARD FILL: SCARIFY AND RECOMPACT THE TOP 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF FILL MATERIAL AT 95% MAXIMUM DRY DENSITY.

UNCLASSIFIED FILL: SCARIFY AND RECOMPACT THE TOP 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF FILL MATERIAL AT 90% MAXIMUM DRY DENSITY.

GRADING: UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED. GRADE LAWNS, WALKS, AND UNPAVED SUBGRADES TO TOLERANCES OF PLUS OR MINUS 1 INCH AND PAVEMENTS AND AREAS WITHIN BUILDING LINES TO PLUS OR MINUS 1/2 INCH.

SUBGRADE UNDER EQUIPMENT FOUNDATIONS: SUBGRADE SHALL BE COMPACTED IN ACCORDANCE WITH EXCAVATION, BACKFILL AND COMPACTION SPECIFICATIONS IN THE STRUCTURAL SHEETS.

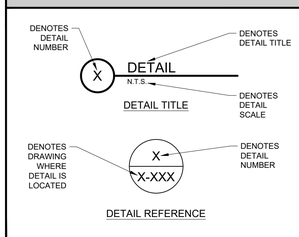
SUBBASE AND BASE COURSES: UNDER PAVEMENTS AND WALKS, PLACE SUBBASE COURSE ON PREPARED SUBGRADE. PLACE BASE COURSE MATERIAL OVER SUBBASE. COMPACT TO REQUIRED GRADES, LINES, CROSS SECTIONS, AND THICKNESS TO NOT LESS THAN 95 PERCENT OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 698.

GEOTEXTILE/FILTER FABRIC: FOLLOW MANUFACTURES PROCEDURES AND RECOMMENDATIONS.

ACRONYMS/ABBREVIATIONS:

AC	ALTERNATING CURRENT
AHJ	AUTHORITY HAVING JURISDICTION
APPROX.	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
CEOR	CIVIL ENGINEER OF RECORD
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
DIAM. /DIA.	DIAMETER
EG	EXISTING GRADE
ELEV. /EL.	ELEVATION
EOP	EDGE OF PAVEMENT
EOR	ENGINEER OF RECORD
ESC	EROSION AND SEDIMENT CONTROL
ETC.	ET CETERA
EXIST.	EXISTING
FES	FLARED END SECTION
FG	FINISHED GRADE
FT	FOOT
GNSS	GLOBAL NAVIGATION SATELLITE SYSTEM
HDPE	HIGH-DENSITY POLYETHYLENE
IN.	INCH
INC.	INCORPORATED
INV.	INVERT
LBS/LB	POUNDS/ POUND
LF	LINEAR FEET
LLC	LIMITED LIABILITY COMPANY
LOD	LIMITS OF DISTURBANCE
L.S.	LAND SURVEYOR
N/F	NOW OR FORMALLY
NO.	NUMBER
NRCS	NATURAL RESOURCES CONSERVATION SERVICE
N.T.S.	NOT TO SCALE
NYSDAM	NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
N.U.	ON CENTER
OHE	OVERHEAD ELECTRIC
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PERM.	PERMANENT
POI	POINT OF INTERCONNECTION
PROJ.	PROJECT
PROP.	PROPOSED
PSI	POUNDS PER SQUARE INCH
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R.M.S.	ROOT MEAN SQUARE
ROW	RIGHT-OF-WAY
SMP	STORMWATER MANAGEMENT PRACTICE
SPDES	STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM
STA	STATION
STY. FR.	STORY FRAME
SQ. FT.	SQUARE FEET
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
TA#	TAX MAP NUMBER
TBD	TO BE DETERMINED
TEMP.	TEMPORARY
TOC.	TOP OF CONCRETE
TYP.	TYPICAL
UGE	UNDERGROUND ELECTRIC
USACE	UNITED STATES ARMY CORPS OF ENGINEERS
USDA	UNTIED STATES DEPARTMENT OF AGRICULTURE

REFERENCE SYMBOLS



TETRA TECH
TETRA TECH ENGINEERING CORPORATION, P.C. CERT #022101
3136 SOUTH WINTON ROAD, SUITE 303
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acpowerllc
915 BROADWAY, SUITE 801
ALBANY, NY 12207
T: + 1 (845) 648-2955
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AC POWER 47, LLC
QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

GENERAL NOTES (1 OF 2)

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-001

Bar Measures 1 inch, otherwise drawing not to scale

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VEGETATIVE COVER SPECIFICATIONS:

ALL RESTORATION OCCURRING ON THE LANDFILL CAP TO RECEIVE TOPSOIL AND BE SEEDED IN COMPLIANCE WITH THE STANDARDS DETERMINED FOLLOWING THE APPROVAL OF THE NYSDEC POST-CLOSURE USE MODIFICATION REQUEST (PCUMR).

SITE PREPARATION:

1. INSTALL NEEDED WATER AND EROSION CONTROL MEASURES.
2. PLACEMENT AND COMPACTION OF VEGETATIVE COVER LAYER SOIL LIFTS WILL BE PERFORMED USING LOW GROUND PRESSURE EQUIPMENT WITH NO PROOF-ROLLING. LIGHT SCARIFICATION IS PERMITTED.
3. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 TO 6 INCHES. CLEAN TOPSOIL TO BE BROUGHT IN FROM OFF-SITE IN ACCORDANCE WITH THE FACILITY OPERATION & MAINTENANCE PLAN.
4. WHERE GROUND SURFACE HAS BEEN DISTURBED DURING INSTALLATION OF THE SOLAR FACILITY, BRING AREAS TO BE SEEDED TO DESIRED GRADES USING A MINIMUM OF 4 IN. TOPSOIL AND IN ACCORDANCE WITH THE FACILITY OPERATION & MAINTENANCE PLAN (REPAIRS TO VEGETATIVE COVER LAYER).
5. SMOOTH SOIL & REMOVE LARGE STONES, STICKS AND FOREIGN MATTER FROM THE SURFACE AS PERMITTED IN ACCORDANCE WITH THE OTHER VEGETATIVE COVER SITE PREPARATION NOTES.

TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION):

1. SEED MIX:

SPRING OR SUMMER OR EARLY FALL, SEED WITH ANNUAL OR PERENNIAL RYEGRASS AT A RATE OF 30 LBS. PER ACRE (APPROX. 1 LB./1,000 SQ. FT).
LATE FALL OR EARLY WINTER, SEED WITH "AROOSTOOK" WINTER RYE (CEREAL RYE) AT A RATE OF 100 LBS PER ACRE (APPROX. 2.5 LBS/1,000 SQ. FT.)

PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):

1. SEED MIXES:
PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. PROVIDE THE FOLLOWING MIXTURES:
ARRAY AREA: ERNMX-610 NORTHEAST SOLAR POLLINATOR BUFFER MIX OR APPROVED EQUIVALENT
AMOUNT BY:

WEIGHT	SPECIES OR VARIETY
37.0%	LITTLE BLUESTEM, 'CAMPER'
36.3%	SIDEOATS GRAMA, BUTTE
4.0%	PARTRIDGE PEA, PA ECOTYPE
4.0%	LANCELEAF COREOPSIS
4.0%	PURPLE CONEFLOWER
3.3%	BLACKEYED SUSAN
2.3%	OXEYE SUNFLOWER, PA ECOTYPE
1.6%	TALL WHITE BEARDTONGUE
1.5%	BUTTERFLY MILKWEED
0.8%	MARCH BLAZING STAR
0.7%	WILD SENNA, VA & WV ECOTYPE
0.6%	GOLDEN ALEXANDERS
0.5%	SWAMP MILKWEED, PA ECOTYPE
0.5%	WHITE AVENS, PA ECOTYPE
0.5%	WILD BERGAMOT, FORT INDIANTOWN GAP-PA ECOTYPE
0.5%	NARROWLEAF MOUNTAINMINT
0.4%	SMOOTH BLUE ASTER, NY ECOTYPE
0.4%	NEW ENGLAND ASTER, PA ECOTYPE
0.3%	BLUE FALSE INDIGO, SOUTHERN WV ECOTYPE
0.3%	NARROWLEAF BLUE EYED GRASS
0.2%	SUNDROPS
0.2%	GRAY GOLDENROD, PA ECOTYPE
0.1%	ZIGZAG ASTER, PA ECOTYPE
100%	

SEEDING RATE: SEED AT 15 LBS/ ACRE WITH 30 LBS/ ACRE 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. TIME OF SEEDING: OPTIMUM TIMING OF SEEDING IS EARLY SPRING. LATE JUNE THROUGH EARLY AUGUST IS NOT A GOOD TIME TO SEED, BUT MAY FACILITATE COVERING THE LAND WITHOUT ADDITIONAL DISTURBANCE IF CONSTRUCTION IS COMPLETE. PORTIONS OF THE SEEDING MAY FAIL DUE TO DROUGHT AND HEAT. RESEED THESE AREAS IN LATE SUMMER OR FALL OR THE FOLLOWING SPRING TO SATISFACTION OF OWNER AND ENGINEER.
3. UTILIZE A WARM SEASON GRASS SEEDER WHEN APPLYING THE OPEN AREA AND SOLAR ARRAY SEED MIX. SOME SEEDS PRESENT IN THE MIX ARE DIFFICULT TO PLANT DUE TO THEIR LIGHTWEIGHT, FLUFFY CHARACTERISTICS.
4. MOWING WITHIN THE LEASED AREA IS ONLY PERMITTED BETWEEN NOVEMBER 1 AND MAY 1, TO ALLOW FOR MAXIMUM BENEFIT TO POLLINATORS.

MULCHING

INSTALLATION:

1. MULCHING SHALL BE REQUIRED ON ALL SEEDING. MULCH WILL REDUCE EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED IN COMPLIANCE WITH THIS MULCHING REQUIREMENT.
2. SPREAD STRAW UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO 1,000 SQUARE FOOT SECTIONS AND DISTRIBUTE AT LEAST 90 POUNDS WITHIN EACH SECTION.
3. STRAW ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. APPLICATIONS SHALL BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. REMAINDER OF AREA SHALL BE UNIFORM IN APPEARANCE.

PRODUCTS:

MULCH MATERIALS SHALL BE WOOD FIBER APPLIED WITH A HYDROMULCH AT 2000 POUNDS PER ACRE, OR IF DRILLING, UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE (90 TO 100 POUNDS PER 1,000 SQUARE FEET).

WINTER STABILIZATION:

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.
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 BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN 3 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. REFER TO THE SWPPP FOR FURTHER WINTER STABILIZATION DETAILS. CONTRACTOR RESPONSIBLE FOR IMPLEMENTING A TEMPORARY SITE SPECIFIC ENHANCED EROSION AND SEDIMENT CONTROL PLAN IN LINE WITH THE STANDARDS AND SPECIFICATIONS FOR WINTER STABILIZATION IN THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

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acpower
915 BROADWAY, SUITE 801
NEW YORK, NY 10010
T: +1 (845) 648-2955
WWW.ACPOWERLLC.COM

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1396 RIDGE ROAD, QUEENSBURY, NY 12804

GENERAL NOTES (2 OF 2)

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-002

Bar Measures 1 inch, otherwise drawing not to scale

LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY LINE
- EXIST. MAJOR CONTOUR (5 FT)
- EXIST. MINOR CONTOUR (1 FT)
- EXIST. TREELINE
- EXIST. TREES
- EXIST. DELINEATED WETLAND
- EXIST. DELINEATED DITCH
- EXIST. APA WETLAND
- EXIST. OVERHEAD UTILITIES
- EXIST. UTILITY POLE
- EXIST. GAS VENT (12' BUFFER)
- EXIST. MONITORING WELL (12' BUFFER)
- EXIST. CHAIN LINK FENCE
- SOIL TYPE BOUNDARY
- APPROX. LANDFILL CAP EXTENTS
- ADIRONDACK PARK BOUNDARY

EXISTING CONDITIONS & SURVEY NOTES:

1. LAND SURVEY SHOWN IS REPRODUCED FROM AN ON THE GROUND SURVEY PREPARED BY MJ ENGINEERING, ARCHITECTURE, LANDSCAPE ARCHITECTURE, AND LAND SURVEYING, P.C. ON JUNE 18, 2025.
2. THE SURVEY ON WHICH THIS MAP IS BASED, IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD83/2011), PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (EASTERN ZONE), AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, GEOID18 (NAVD88/18).
3. NORTH ARROW AS SHOWN INDICATES GRID NORTH REFERENCED TO NAD83/2011, PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (EASTERN ZONE).
4. THE SUBJECT PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FLOOD RATE INSURANCE MAP, TOWN OF QUEENSBURY, WARREN COUNTY, NEW YORK, MAP NUMBER 360879 0020 C, EFFECTIVE DATE AUGUST 16, 1996.
5. THE LOCATION OF SUBSURFACE IMPROVEMENTS OR ENCROACHMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF ANY SUBSURFACE IMPROVEMENTS OR ENCROACHMENTS EXIST OR ARE SHOWN, THE IMPROVEMENTS OR ENCROACHMENTS ARE NOT CERTIFIED TO BY THE UNDERSIGNED SURVEYOR.
6. SOILS DETERMINED BY THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS) SOIL DATABASE. SEE TABLE BELOW.
7. A WETLAND DELINEATION WAS PERFORMED BY TETRA TECH, INC. ON MAY 22, 2025 WITH A REPORT DATED JUNE 19, 2025.
8. LANDFILL CAP EXTENTS BASED ON RECORD INFORMATION FROM THE QUEENSBURY LANDFILL CLOSURE REPORT DATED SEPTEMBER 1995. LANDFILL CAP EXTENTS MUST BE CONFIRMED PRIOR TO ANY EARTH DISTURBANCE/EXCAVATION.
9. ALL MONITORING WELL AND GAS VENT LOCATIONS TO BE VERIFIED BEFORE CONSTRUCTION.
10. THE SUBJECT PROPERTY IS LOCATED WITHIN THE ADIRONDACK PARK WITH AN ADIRONDACK PARK LAND CLASSIFICATION OF "MODERATE INTENSITY".

SOIL DATA

MAP UNIT NAME	MAP UNIT SYMBOL	HYDROLOGIC SOIL GROUP	DEPTH TO WATER TABLE (IN)
HINCKLEY COBBLY SANDY LOAM, 3 TO 8 PERCENT SLOPES	HnB	A	>80
OAKVILLE LOAMY FINE SAND, 3 TO 8 PERCENT SLOPES	OaB	A	>80
PITS, SAND AND GRAVEL	Pg	N/A	N/A
PLAINFIELD AND OAKVILLE SOILS, STEEP	PoE	A	>80
UDORTHENTS, SMOOTHED	Ud	C	~36-72

SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE WEB SOIL SURVEY FOR WARREN COUNTY, NEW YORK HTTPS://WEBSOILSURVEY.NRCS.USDA.GOV/APP/

0 50' 100' 200'
SCALE: 1" = 100'

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T: +1 (845) 648-2955
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AC POWER 47, LLC

QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

EXISTING CONDITIONS

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-101

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LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY LINE
- EXIST. MAJOR CONTOUR (5 FT)
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- EXIST. TREELINE
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- EXIST. OVERHEAD UTILITIES
- EXIST. UTILITY POLE
- EXIST. GAS VENT (12' BUFFER)
- EXIST. MONITORING WELL (12' BUFFER)
- EXIST. CHAIN LINK FENCE
- SOIL TYPE BOUNDARY
- TEMP. SILT FENCE
- TEMP. COMPOST FILTER SOCK
- LIMITS OF DISTURBANCE
- SLOPES GREATER THAN 10%
- APPROX. LANDFILL CAP EXTENTS
- ADIRONDACK PARK BOUNDARY

SITE PREPARATION AND EROSION CONTROL NOTES:

1. LANDFILL CAP EXTENTS BASED ON RECORD INFORMATION FROM THE QUEENSBURY LANDFILL CLOSURE REPORT DATED SEPTEMBER 1995. LANDFILL CAP EXTENTS MUST BE CONFIRMED PRIOR TO ANY EARTH DISTURBANCE/EXCAVATION.
2. DISTURBANCE TO LANDFILL CAP, MONITORING WELLS, AND GAS VENTS TO BE AS MINIMAL AS POSSIBLE. ANY DISTURBANCE TO LANDFILL CAP WILL BE IMMEDIATELY REPAIRED AND THE LOCAL NYSDEC OFFICE WILL BE NOTIFIED.
3. MONITORING WELLS AND GAS VENTS TO BE PROTECTED WITH TEMPORARY FENCING DURING CONSTRUCTION.
4. LOW GROUND PRESSURE EQUIPMENT TO BE USED FOR CONSTRUCTION. A MAXIMUM LOAD OF 10 PSI IS PERMITTED FOR EQUIPMENT AND VEHICLES ON THE LANDFILL CAP.
5. UNLESS OTHERWISE SPECIFIED, SOLAR ARRAY TO BE INSTALLED ON CONCRETE BALLASTS ON SLOPES NO GREATER THAN 15 PERCENT.
6. WHERE TREE AND STUMP REMOVAL OCCURRED, GRADE AREA TO A UNIFORM SURFACE SO THAT SLOPES DO NOT EXCEED 5%.
7. INSTALL STONE CHECK DAMS PER DETAIL 1 ON SHEET C-604 ALONG DRIP EDGE OF SOLAR PANELS WHERE RECEIVING GROUND SLOPE IS GREATER THAN 10%. LIMITS SHALL BE DETERMINED IN THE FIELD.

EROSION & SEDIMENT CONTROL QUANTITIES

LIMITS OF DISTURBANCE AREA (ACRES)	±19.88
LAYDOWN AREA (ACRES)	0.26
SILT FENCE (LF)	±250
COMPOST FILTER SOCK (LF)	±5,030

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SITE PREPARATION AND EROSION CONTROL PLAN

PROJ:	194-1191-0011
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CHKD:	J. GERBER

C-201

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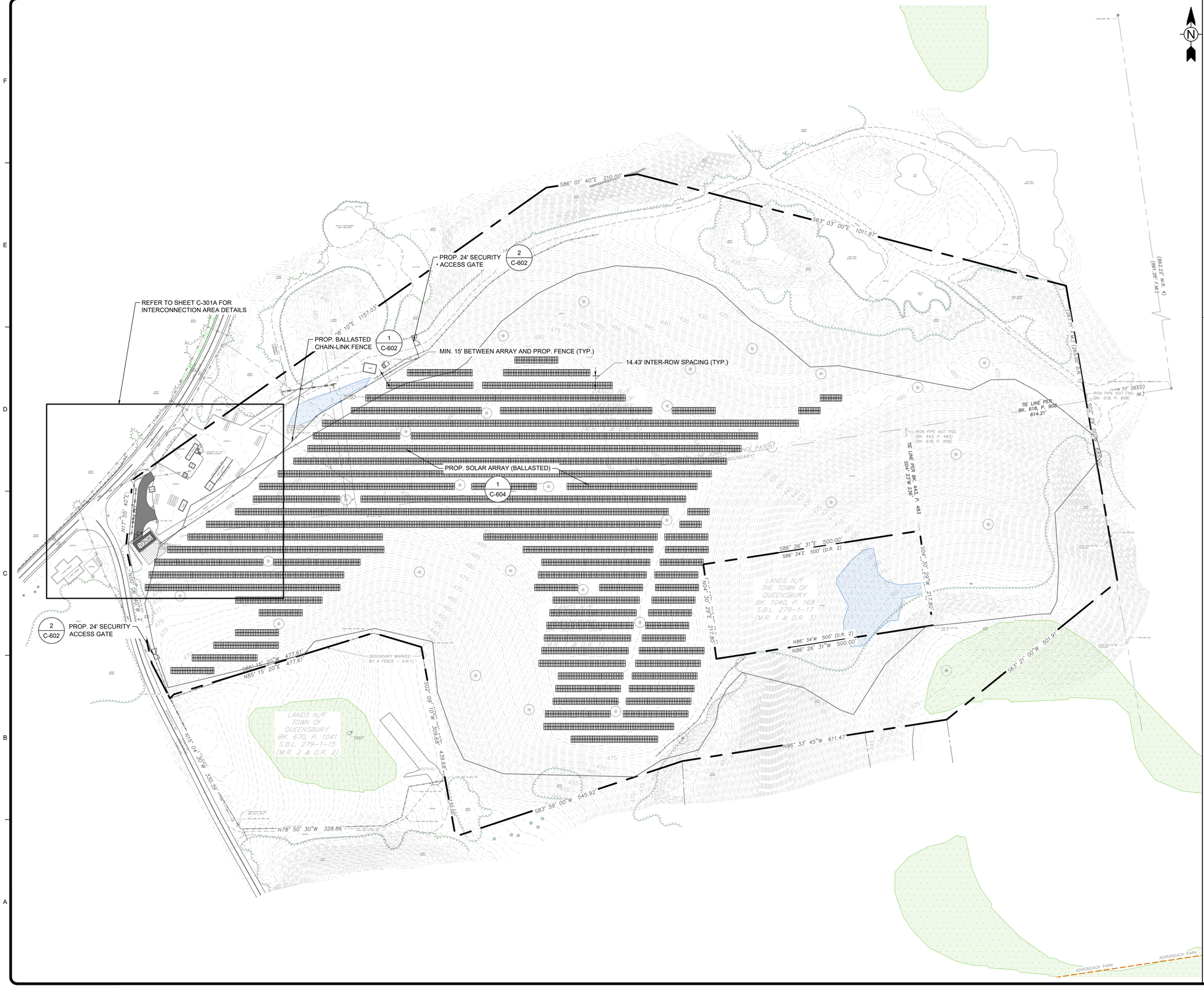

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5. UNLESS OTHERWISE SPECIFIED, SOLAR ARRAY TO BE INSTALLED ON CONCRETE BALLASTS ON SLOPES NO GREATER THAN 15 PERCENT.
6. WHERE TREE AND STUMP REMOVAL OCCURRED, GRADE AREA TO A UNIFORM SURFACE SO THAT SLOPES DO NOT EXCEED 5%.
7. NO TRENCHING TO OCCUR IN LANDFILL CAP UNLESS PRE-APPROVED.
8. NO STOCKPILING ON STEEP SLOPES OR AREAS OF THE LANDFILL CAP WITH THIN COVER.

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SITE PLAN

PROJ:	194-1191-0011
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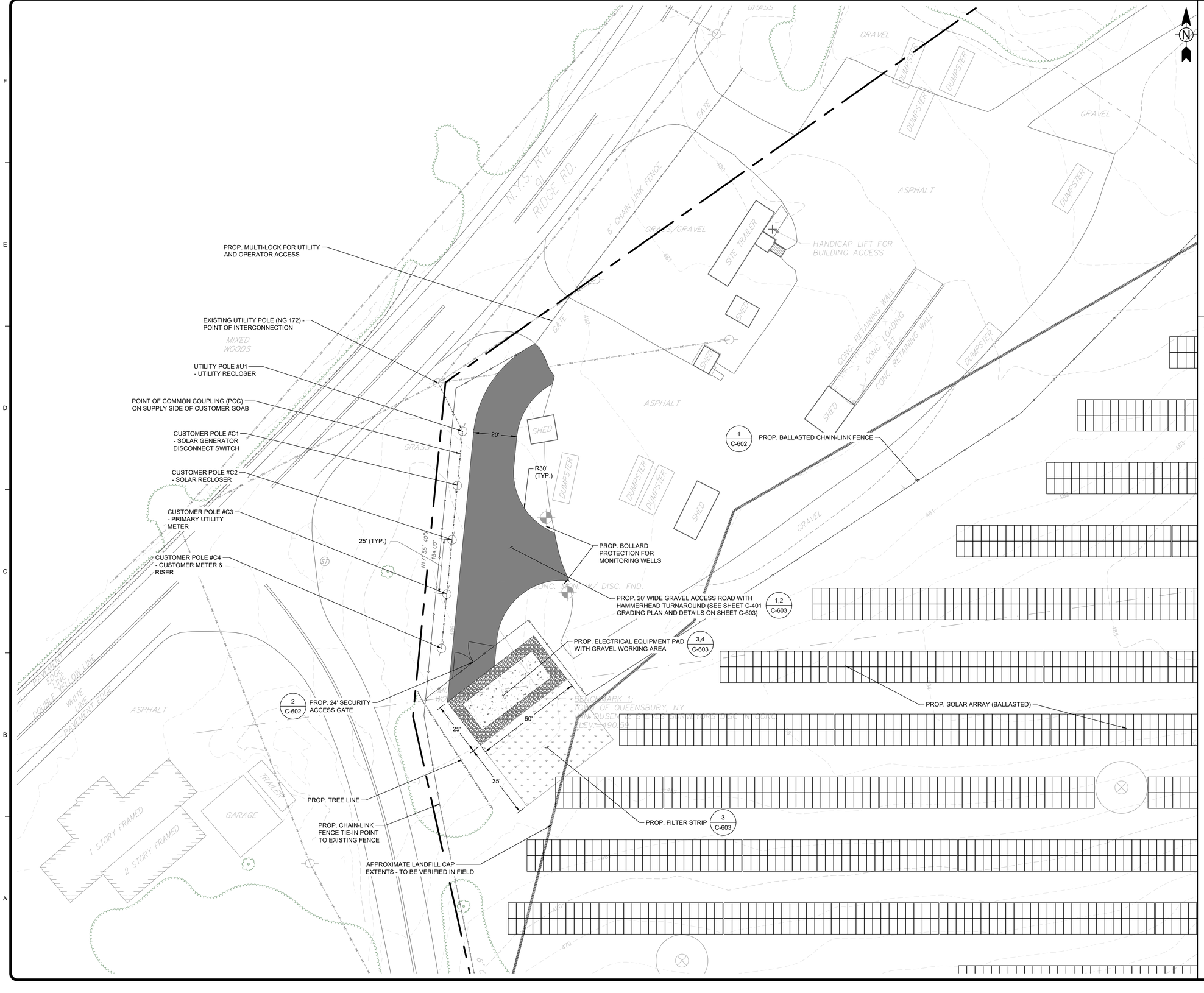
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-301

2/2/2026 11:58:38 AM - C:_ADVACCDOCS\TETRA TECH INC\194-1191-0011 RIDGE RD\PROJECT FILES\CIVIL\03 - SITE PLAN.DWG - MCCABE, NATE



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- APPROX. LANDFILL CAP EXTENTS
- ADIRONDACK PARK BOUNDARY

SITE PLAN NOTES:

1. LANDFILL CAP EXTENTS BASED ON RECORD INFORMATION FROM THE QUEENSBURY LANDFILL CLOSURE REPORT DATED SEPTEMBER 1995. LANDFILL CAP EXTENTS MUST BE CONFIRMED PRIOR TO ANY EARTH DISTURBANCE/EXCAVATION.
2. DISTURBANCE TO LANDFILL CAP, MONITORING WELLS, AND GAS VENTS TO BE AS MINIMAL AS POSSIBLE. ANY DISTURBANCE TO LANDFILL CAP WILL BE IMMEDIATELY REPAIRED AND THE LOCAL NYSDEC OFFICE WILL BE NOTIFIED.
3. MONITORING WELLS AND GAS VENTS TO BE PROTECTED WITH TEMPORARY FENCING DURING CONSTRUCTION.
4. LOW GROUND PRESSURE EQUIPMENT TO BE USED FOR CONSTRUCTION. A MAXIMUM LOAD OF 10 PSI IS PERMITTED FOR EQUIPMENT AND VEHICLES ON THE LANDFILL CAP.
5. UNLESS OTHERWISE SPECIFIED, SOLAR ARRAY TO BE INSTALLED ON CONCRETE BALLASTS ON SLOPES NO GREATER THAN 15 PERCENT.
6. WHERE TREE AND STUMP REMOVAL OCCURRED, GRADE AREA TO A UNIFORM SURFACE SO THAT SLOPES DO NOT EXCEED 5%.
7. NO TRENCHING TO OCCUR IN LANDFILL CAP UNLESS PRE-APPROVED.
8. NO STOCKPILING ON STEEP SLOPES OR AREAS OF THE LANDFILL CAP WITH THIN COVER.

SCALE: 1" = 20'

TETRA TECH
TETRA TECH ENGINEERING CORPORATION, P.C. CERT #022101
3136 SOUTH WINTON ROAD, SUITE 303
ROCHESTER, NY 14623

NOT FOR CONSTRUCTION
PRELIMINARY

915 BROADWAY, SUITE 801
ALBANY, NY 12207
T: + 1 (845) 648-2955
WWW.ACPOWERLLC.COM

MARK	DATE	DESCRIPTION	BY
A	10/13/25	30% CIVIL DESIGN (IFP)	NCM
B	12/02/25	30% CIVIL DESIGN (IFP)	NCM
C	02/02/26	30% CIVIL DESIGN (IFP)	NCM

AC POWER 47, LLC

QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

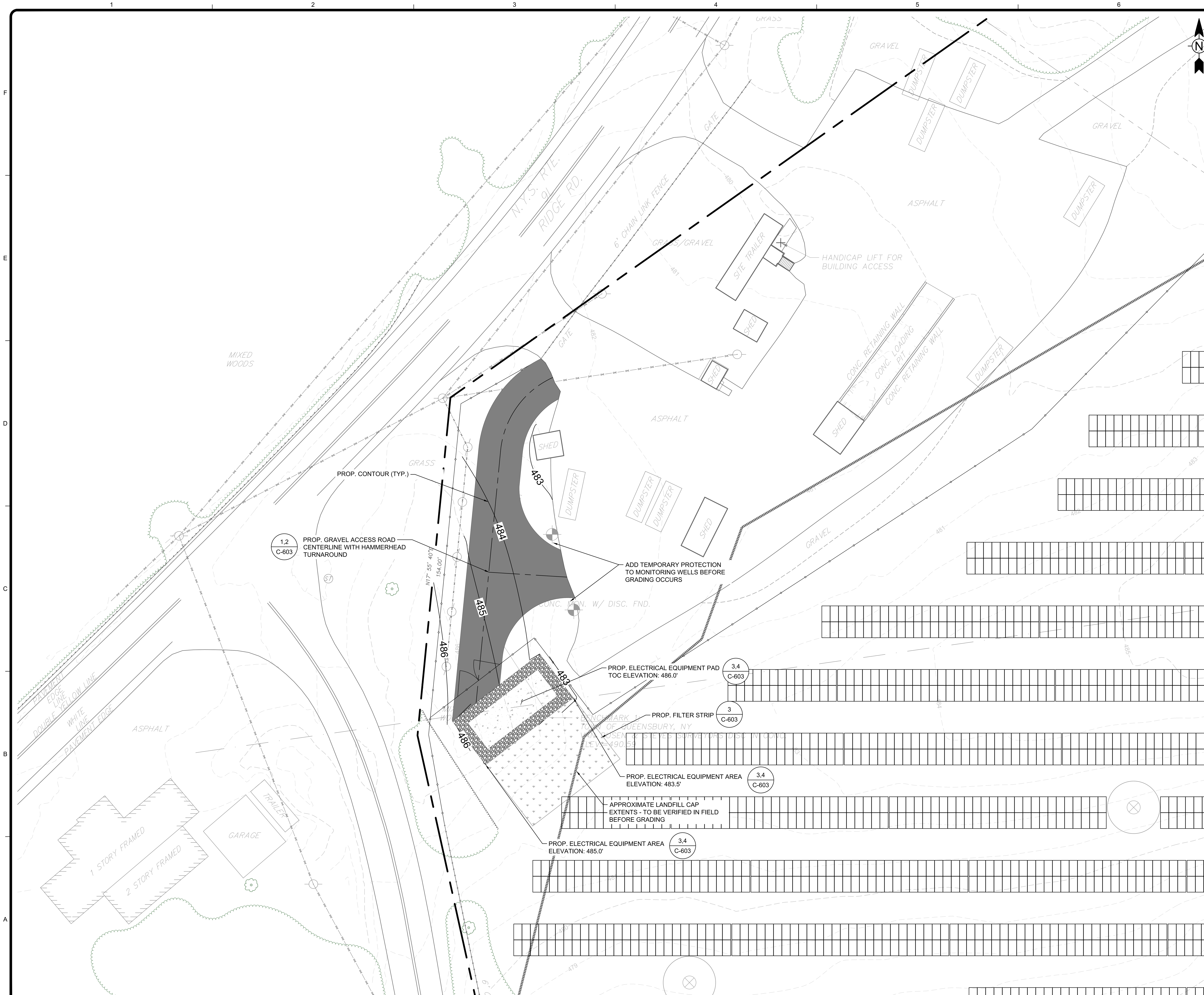
SITE PLAN ENLARGEMENT

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-301A

Bar Measures 1 inch, otherwise drawing not to scale

2/2/2026 11:58:46 AM - C:_ADACCDOCS\TETRA TECH INC\194-1191-0011 RIDGE RD\PROJECT FILES\CIVIL\03 - SITE PLAN DWG - MCCABE, NATE



0 10' 20' 40'
SCALE: 1" = 20'

LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY LINE
- EXIST. MAJOR CONTOUR (5 FT) (445)
- EXIST. MINOR CONTOUR (1 FT) (442)
- EXIST. TREELINE
- EXIST. TREES
- EXIST. DELINEATED WETLAND
- EXIST. DELINEATED DITCH
- EXIST. APA WETLAND
- EXIST. OVERHEAD UTILITIES
- EXIST. UTILITY POLE
- EXIST. GAS VENT (12' BUFFER)
- EXIST. MONITORING WELL (12' BUFFER)
- EXIST. CHAIN LINK FENCE
- PROP. CHAIN-LINK FENCE
- PROP. UNDERGROUND ELECTRIC LINE (UGE)
- PROP. UTILITY POLE
- PROP. OVERHEAD ELECTRIC LINE (OHE)
- PROP. SOLAR
- PROP. TREELINE
- PROP. CONTOUR (MAJOR) (485)
- PROP. CONTOUR (MINOR) (484)
- APPROX. LANDFILL CAP EXTENTS
- ADIRONDACK PARK BOUNDARY

GRADING PLAN NOTES:

1. LANDFILL CAP EXTENTS BASED ON RECORD INFORMATION FROM THE QUEENSBURY LANDFILL CLOSURE REPORT DATED SEPTEMBER 1995. LANDFILL CAP EXTENTS MUST BE CONFIRMED PRIOR TO ANY EARTH DISTURBANCE/EXCAVATION.
2. DISTURBANCE TO LANDFILL CAP, MONITORING WELLS, AND GAS VENTS TO BE AS MINIMAL AS POSSIBLE. ANY DISTURBANCE TO LANDFILL CAP WILL BE IMMEDIATELY REPAIRED AND THE LOCAL NYSDEC OFFICE WILL BE NOTIFIED.
3. MONITORING WELLS AND GAS VENTS TO BE PROTECTED WITH TEMPORARY FENCING DURING CONSTRUCTION.
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5. UNLESS OTHERWISE SPECIFIED, SOLAR ARRAY TO BE INSTALLED ON CONCRETE BALLASTS ON SLOPES NO GREATER THAN 15 PERCENT.
6. WHERE TREE AND STUMP REMOVAL OCCURRED, GRADE AREA TO A UNIFORM SURFACE SO THAT SLOPES DO NOT EXCEED 5%.
7. NO TRENCHING TO OCCUR IN LANDFILL CAP UNLESS PRE-APPROVED.
8. NO STOCKPILING ON STEEP SLOPES OR AREAS OF THE LANDFILL CAP WITH THIN COVER.

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AC POWER
915 BROADWAY, SUITE 801
NEW YORK, NY 10010
T: +1 (845) 648-2955
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AC POWER 47, LLC
QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

GRADING PLAN

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-401

Bar Measures 1 inch, otherwise drawing not to scale

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LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY LINE
- EXIST. MAJOR CONTOUR (5 FT)
- EXIST. MINOR CONTOUR (1 FT)
- EXIST. TREELINE
- EXIST. TREES
- EXIST. DELINEATED WETLAND
- EXIST. DELINEATED DITCH
- EXIST. APA WETLAND
- EXIST. OVERHEAD UTILITIES
- EXIST. UTILITY POLE
- EXIST. GAS VENT (12' BUFFER)
- EXIST. MONITORING WELL (12' BUFFER)
- EXIST. CHAIN LINK FENCE
- PROP. CHAIN-LINK FENCE
- PROP. UNDERGROUND ELECTRIC LINE
- PROP. UTILITY POLE
- PROP. OVERHEAD ELECTRIC LINE
- PROP. SOLAR
- PROP. TREELINE
- ARRAY AREA SEED MIX
- NON-ARRAY AREA SEED MIX
- ADIRONDACK PARK BOUNDARY

RESTORATION PLAN NOTES:

1. DISTURBANCE TO THE EXISTING VEGETATIVE COVER IS TO BE AS MINIMAL AS POSSIBLE. THE ARAY SEED MIX WILL BE USED FOR OVER-SEEDING TO RESTORE THE DISTURBED AREAS.
2. SEE SHEET C-002 - GENERAL NOTES VEGETATIVE COVER FOR SEEDING DETAILS.

SCALE: 1" = 100'

TETRA TECH
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ROCHESTER, NY 14623

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PRELIMINARY

915 BROADWAY, SUITE 801
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T: +1 (845) 648-2955
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AC POWER 47, LLC

QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

RESTORATION PLAN

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-501

Bar Measures 1 inch, otherwise drawing not to scale

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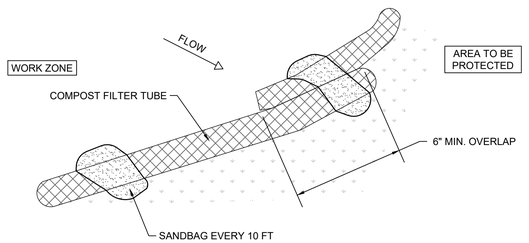
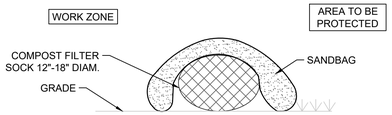


ISOMETRIC VIEW

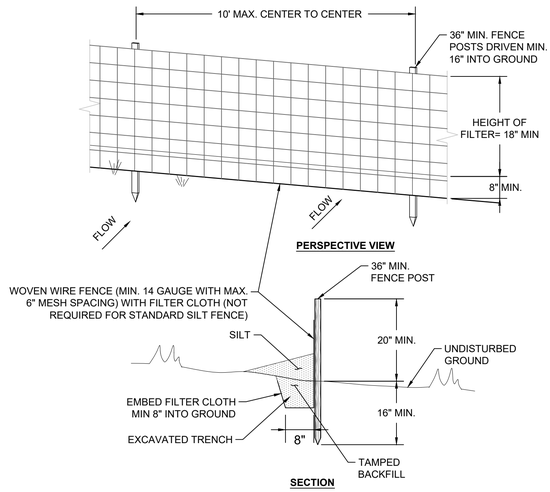


SECTION VIEW

NOTES:

1. USE SOCK FABRIC THAT MEETS STANDARDS LISTED IN TABLE 5.1 OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016 OR LATEST VERSION). USE COMPOST THAT MEETS 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. DO NOT PERMIT TRAFFIC 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 SANDBAGS. 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.
8. DO NOT USE STAKES TO ANCHOR SOCKS. SANDBAGS OR OTHER NON PENETRATING ANCHORING DEVICES ONLY.

1 COMPOST FILTER SOCK (NON-PENETRATING)
N.T.S.



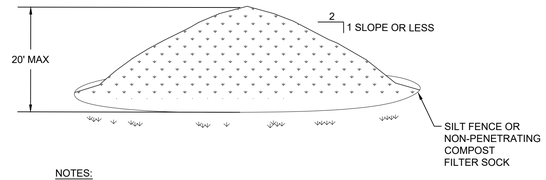
NOTES:

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.

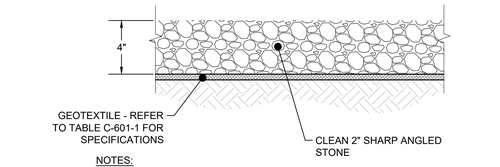
2 REINFORCED SILT FENCE (OUTSIDE LANDFILL CAP EXTENTS)
N.T.S.



NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. ALL PILES REQUIRE PERIMETER CONTROLS REGARDLESS OF USE. INSTALL SILT FENCE (IF OUTSIDE LANDFILL CAP EXTENTS) OR NON-PENETRATING COMPOST FILTER SOCK (IF WITHIN LANDFILL CAP EXTENTS) AT TOE OF SLOPE ON BACK AND SIDES AND LEAVE AN OPENING FOR BORROW AND STOCKPILING PHASE. ONE PILE IS IDLE, COMPLETE THE PERIMETER CONTROL LOOP SO THAT THE PILE IS COMPLETELY ENCOMPASSED BY THE PERIMETER CONTROL.
4. IDLE STOCKPILES (EXPOSED FOR 14DAYS OR MORE) SHALL BE SEEDED AND MULCHED.
5. SEE DETAILS FOR INSTALLATION OF SILT FENCE OR NON-PENETRATING COMPOST FILTER SOCK. STOCKPILE HEIGHT SHOULD GENERALLY NOT EXCEED 20 FEET.

3 TYPICAL SOIL STOCKPILE
N.T.S.



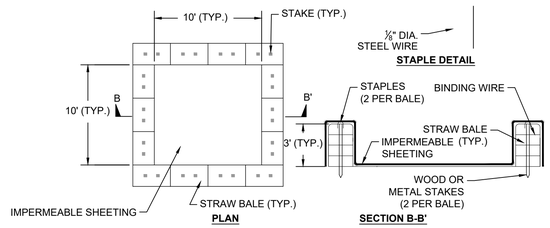
NOTES:

1. GRAVEL CONSTRUCTION ROAD OFF JENKINSVILLE ROAD AND STAGING / LAYDOWN AREA IS A TEMPORARY FEATURE AND WILL BE REMOVED AFTER THE CONSTRUCTION PERIOD AND VEGETATED ACCORDING TO THE RESTORATION PLAN.

TABLE C-601-1: GEOTEXTILE FABRICS

PROPERTY	TEST METHOD	REQUIRED VALUE	
SUBGRADE-BASE SEPARATION OR STABILIZATION			
MINIMUM TENSILE STRENGTH	ASTM D 4632	180 LB	800 N
MAXIMUM ELONGATION	ASTM D 4632	50%	
MINIMUM PUNCTURE STRENGTH	ASTM D 6241	385 LB	1715 N
	OR ASTM D 4833	70 LB	310 N
MINIMUM TEAR STRENGTH	ASTM D 4533	70 LB	310 N
APPARENT OPENING SIZE	ASTM D 4751	SAME AS TYPE A	
PERMITTIVITY	ASTM D 4491	0.05 SEC-1	

5 TEMP. ROAD & LAYDOWN AREA SECTION
N.T.S.



NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

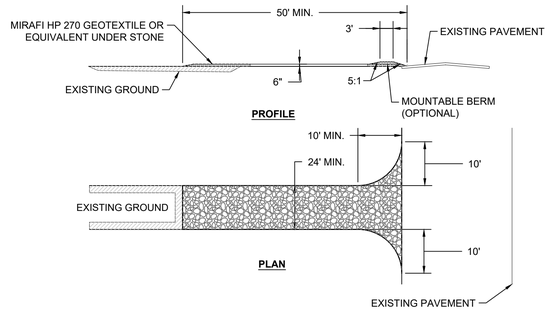
NOTES:

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. PLACE SIGNS TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.
5. LINE ALL WASHOUT FACILITIES TO PREVENT LEACHING OF LIQUIDS INTO THE GROUND. USE 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. DEACTIVATE DAMAGED OR LEAKING FACILITIES AND REPAIR OR REPLACE IMMEDIATELY.
3. PUMP EXCESS ACCUMULATED RAINWATER OVER HARDENED CONCRETE TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
4. REMOVE ACCUMULATED HARDENED MATERIAL WHEN 75% OF THE STORAGE CAPACITY OF THE FACILITY IS FILLED. PUMP ANY EXCESS WASH WATER INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSE OF OFF-SITE AT A PERMITTED C&D LANDFILL. NO ONSITE DISPOSAL WILL BE ALLOWED.
5. REPLACE THE PLASTIC LINER WITH EACH CLEANING OF THE FACILITY.
6. INSPECT PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

4 CONCRETE WASHOUT AREA - STRAW BALE TYPE
N.T.S.



NOTES:

1. STONE SIZE - USE 2" CLEAN STONE (NO FINES), OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. STONE CAN BE PLACED ON TOP OF LANDFILL CAP COVER AS DEEMED APPROPRIATE BY THE ENGINEER.
3. WIDTH -TWENTY (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
4. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50'.
5. GEOTEXTILE - PLACE 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 BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. 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.
8. 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.
9. PROVIDE WEEKLY INSPECTION AND NEEDED MAINTENANCE.
10. STONE SHALL BE REMOVED FROM ENTRANCE AFTER SITE ACHIEVES STABILIZATION.

6 STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

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AC POWER 47, LLC

QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

EROSION CONTROL DETAILS

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-601

Bar Measures 1 inch, otherwise drawing not to scale

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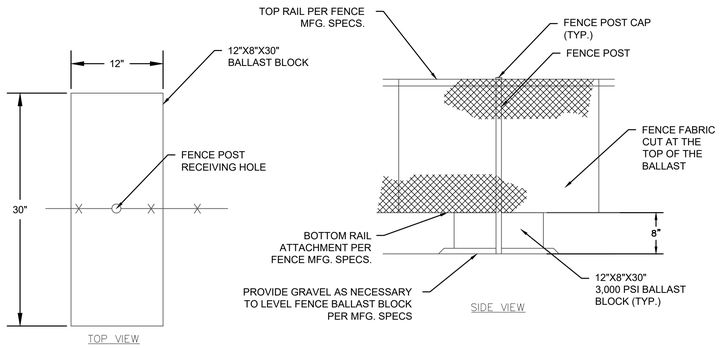
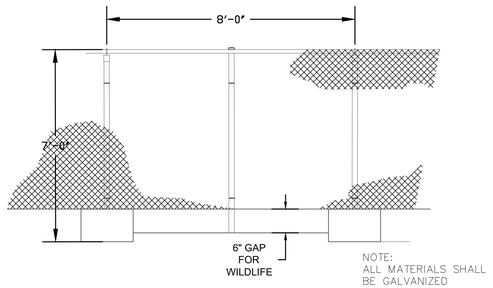
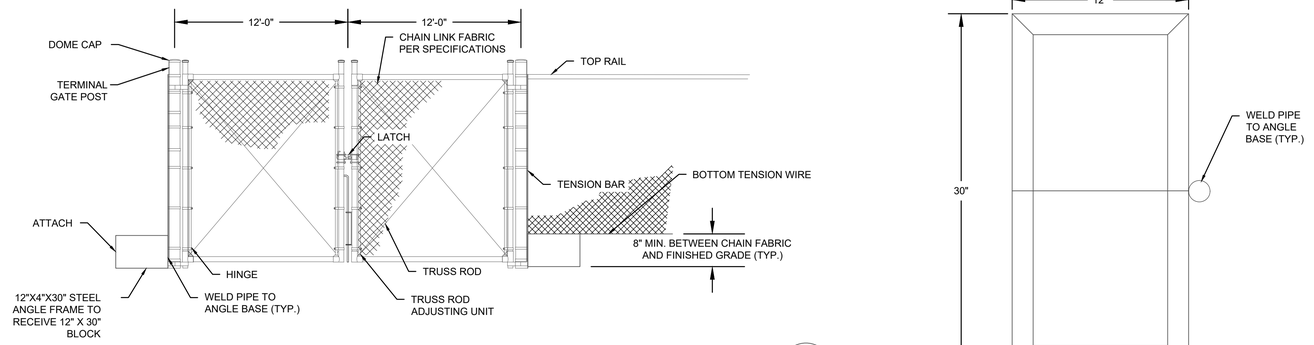




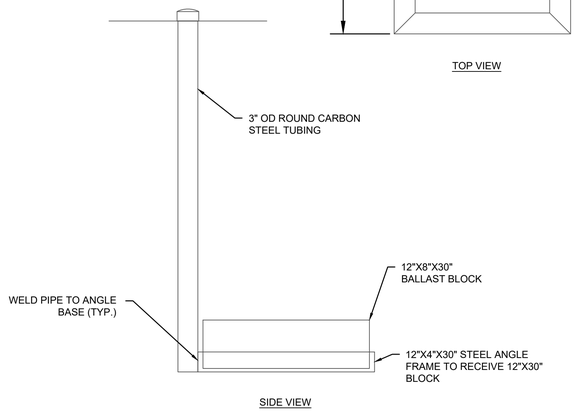
BALLASTED 7' SECURITY PERIMETER FENCE

DETAIL 1 / C-602

SCALE: NTS



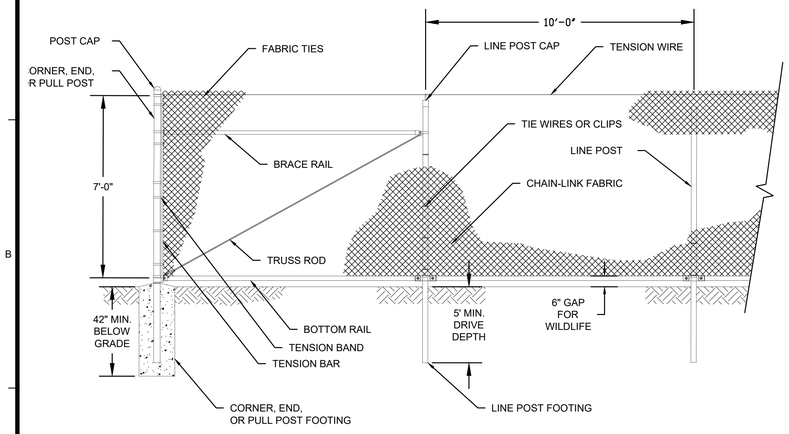
NOTE:
VERTICAL AND HORIZONTAL MEMBERS MAXIMUM 8' O.C.



24' BALLASTED CHAIN LINK VEHICLE GATE

DETAIL 2 / C-602

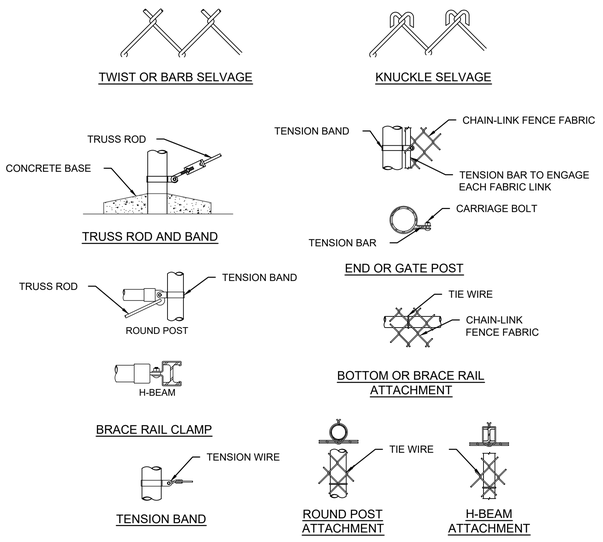
SCALE: NTS



TYPICAL SECURITY PERIMETER FENCE

DETAIL 3 / C-602

SCALE: NTS



TYPICAL CHAIN LINK FENCE FASTENING

DETAILS 4 / C-602

SCALE: NTS

FENCE & GATE NOTES:

1. 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.
2. INSTALL C-SECTION POSTS SO THAT THE VOID INSIDE THE POST IS COMPLETELY FILLED WITH CONCRETE UP TO THE FOUNDATION.
3. INSTALL SWING GATES WITH DROP RODS, PADLOCKS, LATCH ASSEMBLY, AND GATE KEEPERS EXCEPT AS NOTED.
4. USE A MINIMUM 1-7/8" NOMINAL (ROUND) OR 2" NOMINAL (SQUARE) FOR ALL GATE FRAMES. WELD GATE FRAMES AND ASSEMBLE HEAVY FITTINGS. AT THE CONTRACTOR'S OPTION A WELDED HORIZONTAL BRACE MAY BE USED IN LIEU OF TRUSS RODS TO BRACE ALL WELDED GATE FRAMES. BE RESPONSIBLE FOR THE PROPER RIGID CONSTRUCTION OF ALL GATES SUPPLIED.
5. 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.
6. 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.
7. DOUBLE SWING GATE TO OPEN INWARD, TOWARD SECURED AREA AS SHOWN ON THE SITE PLAN.
8. DESIGN AND INSTALL GATE, LINE, CORNER, END, AND PULL POST FOOTINGS, AS REQUIRED, PER APPLICABLE CODES AND CHAIN-LINK FENCE MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS. ALL POST EXCEPT CORNER AND GATE POST TO BE DRIVEN (I.E. NO CONCRETE FOOTINGS).
9. POSTS IN DELINEATED WETLANDS ARE TO BE DRIVEN (I.E. NO CONCRETE FOOTINGS), PER APPLICABLE CODES AND CHAIN-LINK FENCE MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS.
10. TOP SELVAGES TO BE TWISTED, BOTTOM SELVAGES TO BE KNUCKLED.
11. 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.
12. BALLASTED CHAIN LINK FENCE DETAILS APPLY TO FENCING WITHIN THE LANDFILL LIMIT OF WASTE, STANDARD CHAIN LINK FENCE AND GATE DETAILS APPLY TO GATE AND FENCING OUTSIDE OF THE LANDFILL FOOTPRINT. IN THE EVENT THAT LANDFILL MATERIAL IS ENCOUNTERED BEYOND THE MAPPED LANDFILL FOOTPRINT AREA DURING INSTALLING OD STANDARD FOUR (4)-INCH DIAMETER FENCE POST FOOTINGS, THE CITY OFFICIALS WILL NOTIFY THE IEPA WITHIN ONE BUSINESS DAY OF IDENTIFYING ANY SIGNIFICANT LANDFILL FINAL COVER SYSTEM DETERIORATION. FOLLOWING NOTIFICATION OF THE INCIDENT, THE CITY OF GALVA WILL WORK TO ADDRESS THE SITUATION IN ACCORDANCE WITH A MUTUALLY ACCEPTABLE TIME FRAME. AS NECESSARY, A PLAN WILL BE PREPARED TO ADDRESS ANY SIGNIFICANT LANDFILL FINAL COVER SYSTEM DETERIORATION BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.

TETRA TECH
TETRA TECH ENGINEERING CORPORATION, P.C. CERT #022101
3136 SOUTH WINTON ROAD, SUITE 303
ROCHESTER, NY 14623

NOT FOR CONSTRUCTION
PRELIMINARY

915 BROADWAY, SUITE 801
NEW YORK, NY 10010
T: +1 (845) 648-2955
WWW.ACPOWERLLC.COM

MARK	DATE	DESCRIPTION	BY
A	01/13/25	30% CIVIL DESIGN (IEPA)	NCM
B	12/02/25	30% CIVIL DESIGN (IEPA)	NCM
C	02/02/26	30% CIVIL DESIGN (IEPA)	NCM

AC POWER 47, LLC

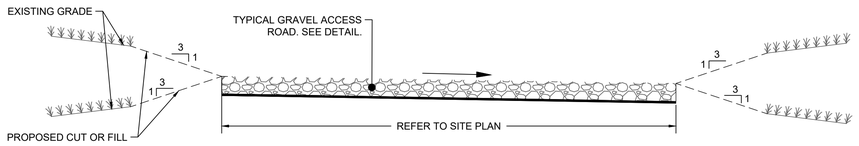
QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

FENCE & GATE DETAILS

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-602

Bar Measures 1 inch, otherwise drawing not to scale

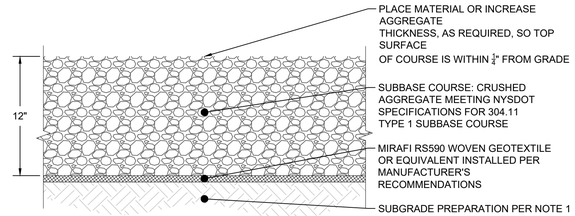


NOTES:

1. ACCESS ROAD SHOWN PROVIDES THE MINIMUM REQUIREMENTS FOR THE FINISHED 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.
2. CONTRACTOR RESPONSIBLE FOR CONSTRUCTING A SUITABLE ACCESS ROAD FOR HEAVY CONSTRUCTION TRAFFIC AND EQUIPMENT DURING CONSTRUCTION.

1 TYPICAL GRAVEL ACCESS ROAD PROFILE

N.T.S.



NYSDOT TYPE 1 SUBBASE COURSE	
SIEVE SIZE	% PASSING BY WEIGHT
3-INCH (75mm)	100
2-INCH (50mm)	90-100
1/4-INCH (6.3mm)	30-65
NO. 40 (425 µm)	5-40
NO. 200 (75µm)	0-10

NOTES:

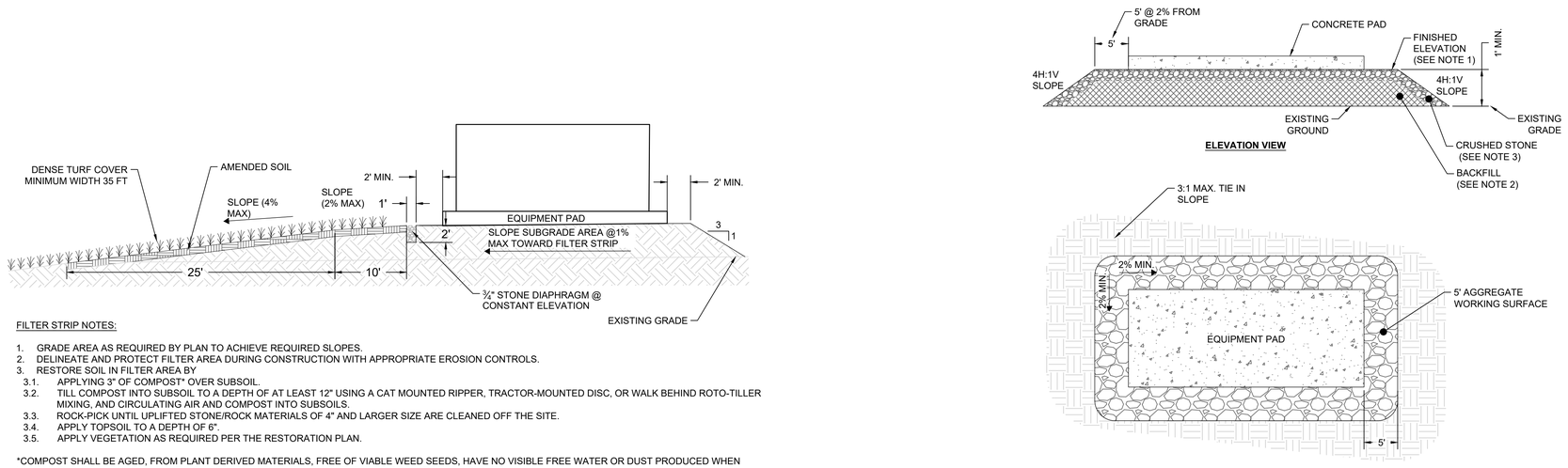
SUBGRADE PREPARATION
1. STRIP AND STOCKPILE EXISTING TOPSOIL AND PROOF COMPACT EXPOSED SUBGRADE WITH AT LEAST 6 PASSES OF A 10-TON SHEEPSFOOT, VIBRATORY ROLLER (OR EQUIVALENT EFFORT) UNDER THE OBSERVATION OF A QUALIFIED GEOTECHNICAL ENGINEER, OR THEIR REPRESENTATIVE. ANY SOFT OR LOOSE AREAS IDENTIFIED BY THE PROOF-COMPACTION SHALL BE REMOVED IN THEIR ENTIRETY AND REPLACED WITH COMPACTED TYPE 1 SUBBASE COURSE.
2. PLACE GEOTEXTILE FABRIC (MIRAFI RS590 OR EQUIVALENT) ON THE NATURAL, STABLE, AND DRY SUBGRADE.

SUBBASE COURSE
1. PLACE MATERIAL IN LOOSE LIFTS APPROXIMATELY 12 INCHES THICK AND SHOULD BE MECHANICALLY COMPACTED TO A FIRM, NON-YIELDING (STABLE) CONDITION. EACH LIFT SHALL BE CONDITIONED TO THE PROPER MOISTURE CONTENT AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY ESTIMATED IN GENERAL ACCORDANCE WITH ASTM D 1557 METHOD C, MODIFIED PROCTOR. BEFORE PLACING SUBSEQUENT LIFTS.

FINISHED CONDITION
1. FINISHED STONE SHALL BE FREE OF SEDIMENT AND PROPERLY WASHED OR SCRAPED TO MEET FINAL ELEVATIONS AND DIMENSIONS NOTED IN THIS PLAN.

2 TYPICAL GRAVEL ACCESS ROAD SECTION

N.T.S.



FILTER STRIP NOTES:

1. GRADE AREA AS REQUIRED BY PLAN TO ACHIEVE REQUIRED SLOPES.
2. DELINEATE AND PROTECT FILTER AREA DURING CONSTRUCTION WITH APPROPRIATE EROSION CONTROLS.
3. RESTORE SOIL IN FILTER AREA BY
   - 3.1. APPLYING 3" OF COMPOST* OVER SUBSOIL.
   - 3.2. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12" USING A CAT MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR WALK BEHIND ROTO-TILLER MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS.
   - 3.3. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF 4" AND LARGER SIZE ARE CLEANED OFF THE SITE.
   - 3.4. APPLY TOPSOIL TO A DEPTH OF 6".
   - 3.5. APPLY VEGETATION AS REQUIRED PER THE RESTORATION PLAN.

*COMPOST SHALL BE AGED, FROM PLANT DERIVED MATERIALS, FREE OF VIABLE WEED SEEDS, HAVE NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING, PASS THROUGH A HALF INCH SCREEN AND HAVE A PH SUITABLE TO GROW DESIRED PLANTS.

4. OVERALL SLOPE OF FILTER STRIP SHALL BE 4% MAX.
5. THE FIRST 10' OF FILTER STRIP SHALL BE 2% MAX.

3 TYPICAL EQUIPMENT PAD W/ FILTER STRIP

N.T.S.

NOTES:

1. SKID BOTTOM SHALL BE GRADED TO ONE FOOT ABOVE ALL FLOOD ELEVATION DEPTHS.
2. NATIVE SOIL USED AS GENERAL FILL OR FOUNDATION BACKFILL SHALL BE FREE OF FOREIGN DEBRIS, ORGANICS, AND FROZEN MATERIAL AND SHOULD BE MOISTURE CONDITIONED BETWEEN -1% AND +3% OF OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) IN MAXIMUM 8" THICK LOOSE LIFTS.
3. THE TOP SURFACE OF BACKFILL SHALL BE OVERLAIN WITH A 4" THICK LAYER OF COMPACTED CRUSHED STONE.
4. SKIDS SHALL BE SUPPORTED BY STEEL PILES. PILES SHALL BE DESIGNED UPON FINAL EQUIPMENT SELECTION.
5. FINAL EQUIPMENT PAD DESIGN, DIMENSIONS, AND REINFORCEMENT TO BE PROVIDED BY THE STRUCTURAL ENGINEER OF RECORD.

4 TYPICAL EQUIPMENT PAD DETAIL

N.T.S.

TETRA TECH
TETRA TECH ENGINEERING CORPORATION, P.C. CERT #022101
3136 SOUTH WINTON ROAD, SUITE 303
ROCHESTER, NY 14623

NOT FOR CONSTRUCTION
PRELIMINARY

915 BROADWAY, SUITE 801
NEW YORK, NY 10010
T: +1 (845) 648-2955
WWW.ACPOWERLLC.COM

MARK	DATE	DESCRIPTION	BY
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B	12/02/25	30% CIVIL DESIGN (IEP)	NCM
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AC POWER 47, LLC

QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

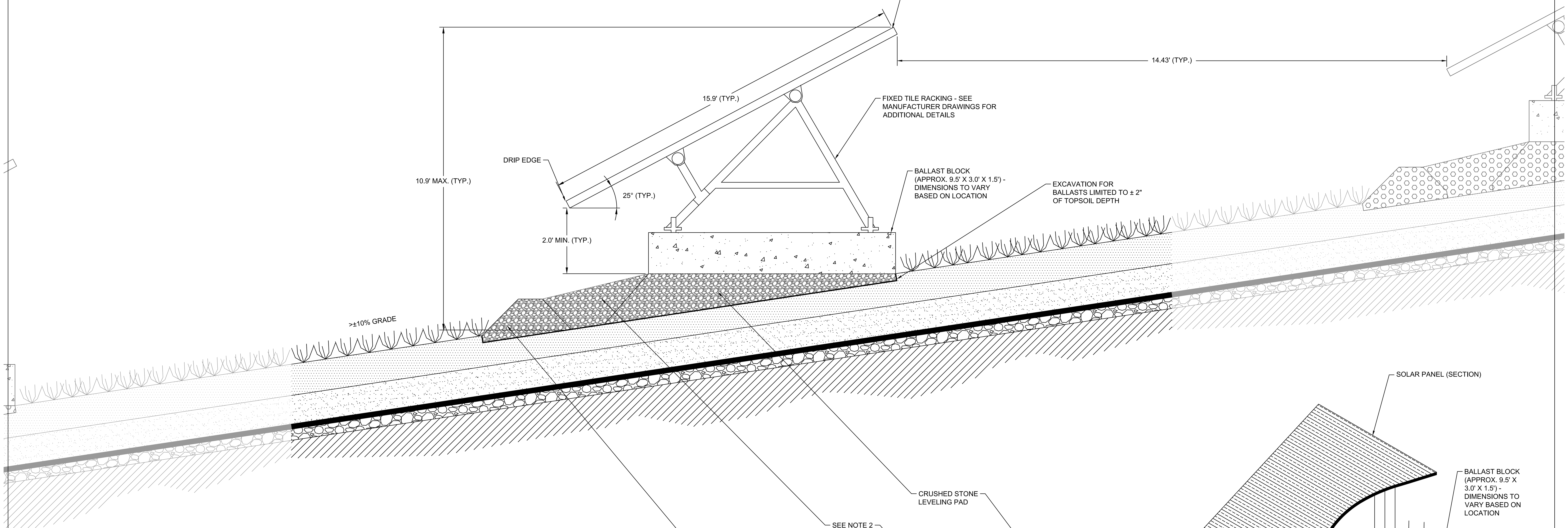
CIVIL & SOLAR DETAILS

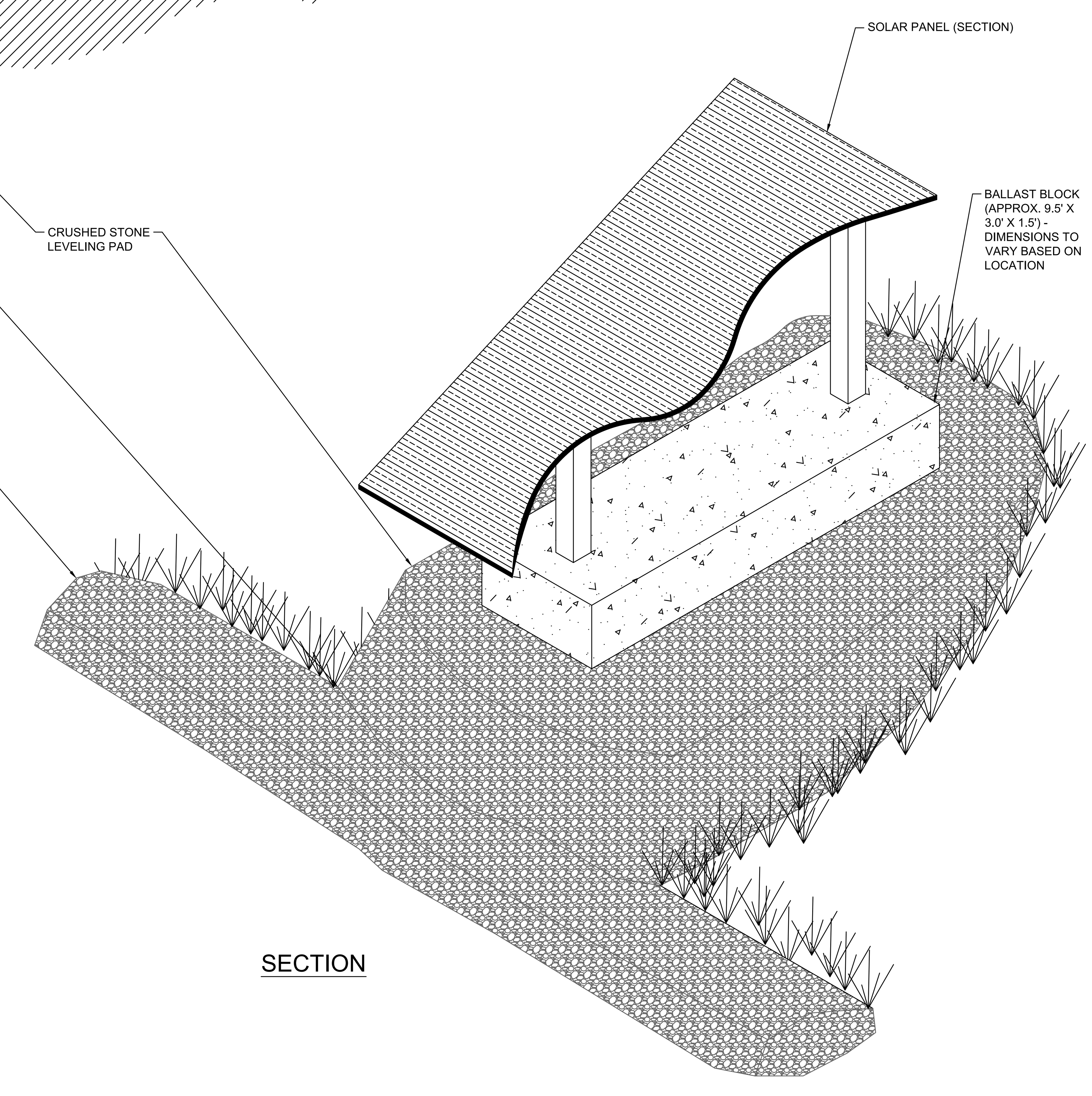
PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-603

Bar Measures 1 inch, otherwise drawing not to scale

PROFILE





NOTES:

1. CRUSHED STONE CHECK DAM SHALL BE CONSTRUCTED OF $\frac{3}{4}$" STONE OR LARGER.
2. EXTEND CRUSHED STONE LEVELING PAD TO CHECK DAM AT EACH BALLAST LOCATION.
3. DIMENSIONS SHOWN ARE APPROXIMATE AND TYPICAL FOR FLAT GRADE. ANGLE AND DIMENSIONS MAY VARY WHERE SLOPES EXIST.

(1) TYPICAL BALLASTED FIXED TILT RACKING WITH STONE CHECK DAM ALONG DRIP EDGE (SLOPES > 10%)
N.T.S.

SECTION

TETRA TECH
TETRA TECH ENGINEERING CORPORATION,
P.C. CERT #022101
3136 SOUTH WINTON ROAD, SUITE 303
ROCHESTER, NY 14623

NOT FOR CONSTRUCTION
PRELIMINARY

AC POWER
915 BROADWAY, SUITE 801
NEW YORK, NY 10010
T: +1 (845) 648-2955
WWW.ACPOWERLLC.COM

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AC POWER 47, LLC
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CIVIL & SOLAR DETAILS

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-604

Bar Measures 1 inch, otherwise drawing not to scale

2/2/2026 11:59:28 AM - C:_AD\ACCDOCS\TETRA TECH INC\194-1191-0011 RIDGE RD\PROJECT FILES\CIVIL\06 - DETAILS.DWG - MCCABE, NATE

PHASING LEGEND

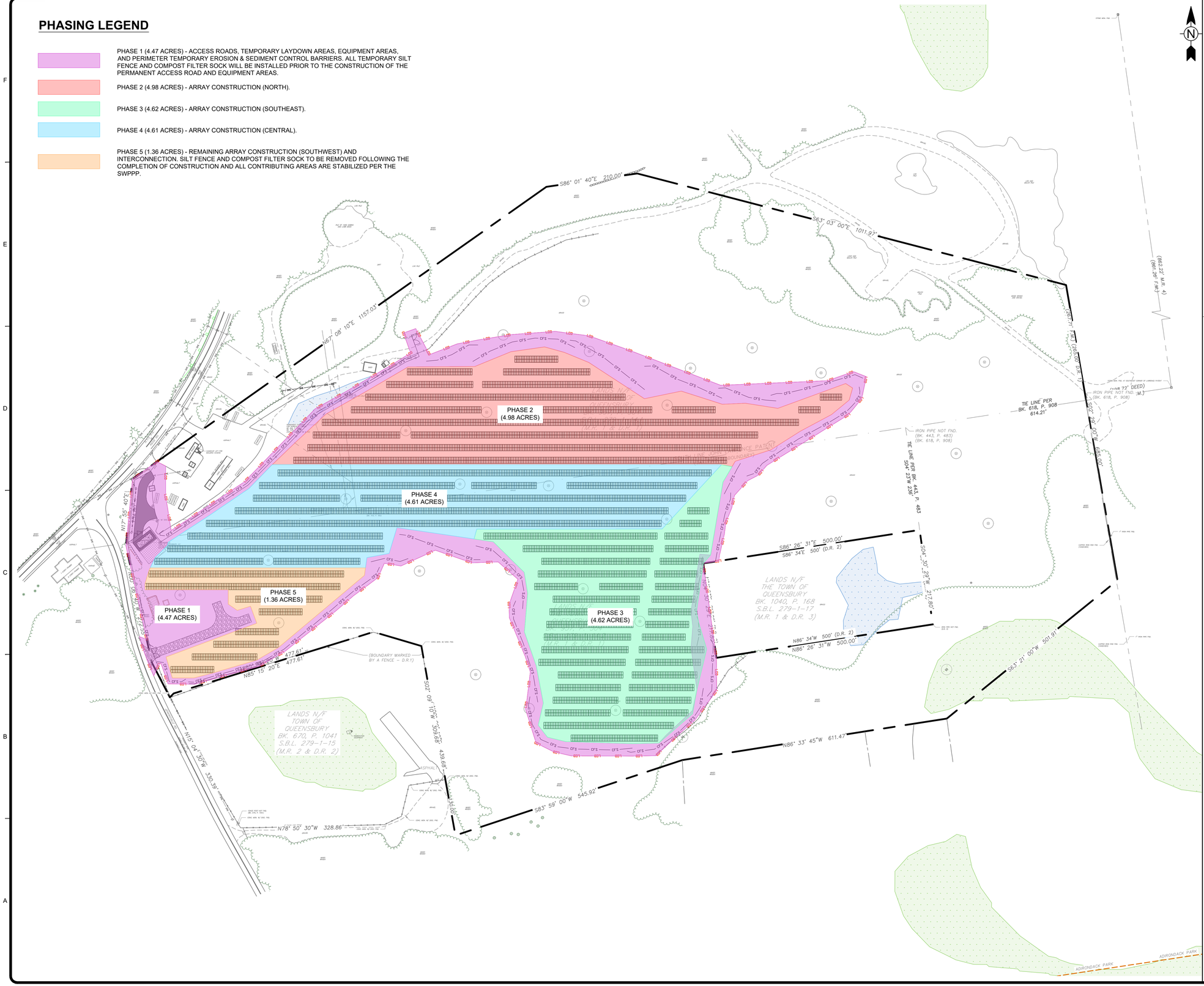
PHASE 1 (4.47 ACRES) - ACCESS ROADS, TEMPORARY LAYDOWN AREAS, EQUIPMENT AREAS, AND PERIMETER TEMPORARY EROSION & SEDIMENT CONTROL BARRIERS. ALL TEMPORARY SILT FENCE AND COMPOST FILTER SOCK WILL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE PERMANENT ACCESS ROAD AND EQUIPMENT AREAS.

PHASE 2 (4.98 ACRES) - ARRAY CONSTRUCTION (NORTH).

PHASE 3 (4.62 ACRES) - ARRAY CONSTRUCTION (SOUTHEAST).

PHASE 4 (4.61 ACRES) - ARRAY CONSTRUCTION (CENTRAL).

PHASE 5 (1.36 ACRES) - REMAINING ARRAY CONSTRUCTION (SOUTHWEST) AND INTERCONNECTION. SILT FENCE AND COMPOST FILTER SOCK TO BE REMOVED FOLLOWING THE COMPLETION OF CONSTRUCTION AND ALL CONTRIBUTING AREAS ARE STABILIZED PER THE SWPPP.



LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY LINE
- EXIST. MAJOR CONTOUR (5 FT)
- EXIST. MINOR CONTOUR (1 FT)
- EXIST. TREELINE
- EXIST. TREES
- EXIST. DELINEATED WETLAND
- EXIST. DELINEATED DITCH
- EXIST. APA WETLAND
- EXIST. OVERHEAD UTILITIES
- EXIST. UTILITY POLE
- EXIST. GAS VENT (12' BUFFER)
- EXIST. MONITORING WELL (12' BUFFER)
- EXIST. CHAIN LINK FENCE
- PROP. CHAIN-LINK FENCE
- PROP. UNDERGROUND ELECTRIC LINE
- PROP. UTILITY POLE
- PROP. OVERHEAD ELECTRIC LINE
- PROP. SOLAR
- PROP. TREELINE
- APPROX. LANDFILL CAP EXTENTS
- ADIRONDACK PARK BOUNDARY

PHASING PLAN NOTES:

1. THE OWNER OR OPERATOR SHALL NOT DISTURB GREATER THAN FIVE (5) ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE NYSDEC.
2. SPECIFICS OF THE CONSTRUCTION PHASING ARE SUBJECT TO CHANGE BASED ON FINAL DESIGN CRITERIA.
3. REFER TO THE SWPPP FOR FURTHER DETAILS ON EROSION & SEDIMENT CONTROL PRACTICES, CONSTRUCTION SEQUENCING, AND PHASING.

SCALE: 1" = 100'

Bar Measures 1 inch, otherwise drawing not to scale

TETRA TECH
TETRA TECH ENGINEERING CORPORATION, P.C. CERT #022101
3136 SOUTH WINTON ROAD, SUITE 303
ROCHESTER, NY 14623

NOT FOR CONSTRUCTION
PRELIMINARY

915 BROADWAY, SUITE 801
ALBANY, NY 12207
T: +1 (845) 648-2955
WWW.ACPOWERLLC.COM

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A	10/13/25	30% CIVIL DESIGN (IFP)	NCM
B	12/02/25	30% CIVIL DESIGN (IFP)	

AC POWER 47, LLC

QUEENSBURY LANDFILL SOLAR PROJECT
1396 RIDGE ROAD, QUEENSBURY, NY 12804

PROPOSED PHASING PLAN

PROJ:	194-1191-0011
DESN:	N. MCCABE
DRWN:	N. MCCABE
CHKD:	J. GERBER

C-701

1/9/2026 11:50:42 AM - C:_ADACCDOCS\TETRA TECH INC\194-1191-0011 RIDGE RD\PROJECT FILES\CIVIL\07 - PHASING PLAN.DWG - MCCABE, NATE

TETRA TECH

VISUAL IMPACT ANALYSIS

Ridge Road Solar Project

Queensbury, New York

November 2025

Prepared for:

AC Power 47, LLC

915 Broadway, Suite 801

New York, NY 10010

Prepared by:

Tetra Tech, Inc.

3136 South Winton Road, Suite 303

Rochester, NY 14623

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1. OVERVIEW

AC Power 47, LLC (the Applicant) is proposing to construct an approximately 5 megawatt alternating current (5 MWac) photovoltaic (PV) solar project (Project) on the site of the existing Town of Queensbury Landfill located along Ridge Road in the Town of Queensbury, Warren County, New York. The Project site is located within the boundary of the Adirondack Park, and is thus subject to the jurisdiction of the Adirondack Park Agency (APA). Subsequent to a site visit conducted on October 2, 2025, the APA requested that the Applicant produce a number of basic visual simulations demonstrating the potential effect of the construction of a solar development on the surrounding area. Thus, Tetra Tech, Inc. (Tetra Tech) thus completed a basic visual impacts assessment (VIA) in November 2025 to predict viewpoints from which the Project may be most visible to the public or nearby private residences, and to provide a framework for determining if mitigation for visual impacts may be required. The VIA helps guide planning for adequate landscape buffering to screen a solar facility from surrounding properties or roadways should it be necessary.

1.1. PROJECT SETTING

The Project Site is situated to the southeast of Ridge Road (NY State Route 9L) and to the east of Jenkinsville Road. The Site is comprised of two contiguous parcels that are within an inactive landfill owned by the Town of Queensbury. The Project Site is bounded primarily by tax parcels used as landfills or for mining operations to the north, east, and south. The parcels northwest across Ridge Road are forested where they are nearest to the Project Site. A small commercial property is located southwest of the Project Site at the intersection of Ridge Road and Jenkinsville Road.

1.2. PROJECT DESIGN CONSIDERATIONS

Project components have been designed to avoid and minimize environmental and visual impacts to the maximum extent practicable. The solar arrays will consist of PV panels held at a fixed tilt of approximately 25 degrees by a ground-mounted racking system. The racking system will be supported by concrete ballasts to minimize ground disturbance and prevent damage to the landfill cap. It is anticipated that interrow spacing of the array will be approximately 14 feet which can accommodate light vehicles for routine maintenance after construction. Additionally, there is a designed corridor intended to improve accessibility throughout the site. Inverters (with integrated transformers) within boxes on concrete pads will be located in the northwest corner of the site adjacent to existing

landfill/transfer station access roads. Additional internal infrastructure will be limited to permanent gravel access roads (approximately 20 feet wide), grass access corridors, electrical pole lineup in the northwest corner of the site, and perimeter fencing with emergency contact information posted and clearly visible. The solar panels will have anti-glare coatings, the Project is located away from any potential receptors, and many vantage points are effectively screened by existing vegetation, existing topography, and landfill/transfer station infrastructure.

Public roads will be used for construction access and general access during Project operation. It is not anticipated that any improvements to public road intersections or the addition of turnarounds will be required. Security fencing will consist of an approximately 7-foot-high fence, subject to electrical and building code requirements. Fencing materials will be decided in consultation with the Town of Queensbury.

2. VIEWSHED ANALYSIS

A joint site visit including representatives from Tetra Tech, Inc. (on behalf of AC Power) and the Adirondack Park Agency was conducted on October 2, 2025, to identify key observation points (KOP) in the surrounding neighborhood from which the facility might be visible. KOPs were established using the two public roads that bound the Site, Ridge Road and Jenkinsville Road. A total of seven KOPs were selected, consisting of traveling north or south on either road, both entrances, and the location of the proposed interconnection from Ridge Road. An additional KOP was created at the Ridge Road entrance, as there are two gates that provide access to the Site.

2.1. PHOTOGRAPHIC SIMULATIONS

Photographic simulations that assume a viewer height of six feet were created for the KOPs. The simulations, as shown in Appendix A, were created using photographs taken in winter to depict the appearance of the solar arrays during leaf-off conditions, which simulates worst-case scenarios.

Photosimulations were developed using United State Geologic Survey (USGS) satellite imagery to align the proposed site plan in the correct physical location and create a three-dimensional model. Topographic survey data collected during project development was also used to achieve a higher level of accuracy. Subsequently, three-dimensional site features such as fencing, the solar arrays, and any

other features such as riser poles or electronics are added to the model based on the spacing, angle, etc. indicated in the site plan.

Following the creation of the three-dimensional model, the model is matched with photos taken in the field based on the desired perspective and/or viewshed. Manual manipulation may be necessary at this stage to capture real world conditions or to accurately portray site features and their locations.

Final photosimulations are rendered using GIMP 3.0.4, an image processing software, where the photograph is imported and layered on top of the three-dimensional rendering. After the photograph is properly superimposed on the rendering, superfluous components of the photosimulation are manually deleted to present the final product.

The simulations were used to determine the level of contrast between the existing landscape and the expected landscape after the Project is constructed. All viewpoints include the existing, pre-Project condition, followed by initial installation of the solar arrays. No landscaping or other vegetative screening is currently planned for the Project.

The full photographic simulations in Appendix A show actual weather conditions at the time the photographs were taken on October 29, 2025. It was a cool, partially cloudy day and the photos were taken between 12:00 PM EST and 2:00 PM EST.

As shown in Appendix A, the solar arrays will be visible at every KOP. The additional utility poles and equipment associated with the interconnection that are planned to be installed will also be visible.

2.2. NEIGHBORHOOD CHARACTER AND MITIGATIONS

The existing landscape character provides the context for assessing the effects of changes to the landscape. Landscape character is identified and described by the combination of scenic attributes that make each landscape identifiable or unique. A region's landscape character creates a sense of place and describes the visual image of an area. Past and present resource-based activity within the region surrounding the proposed Project has substantially changed the landscape by altering natural landforms and vegetation and introducing human-made features.

Much of the visual setting of the neighborhood is the result of a concentrated cluster of sand and gravel mining and landfill activity over the last several decades. In the context of a varied mix of mining,

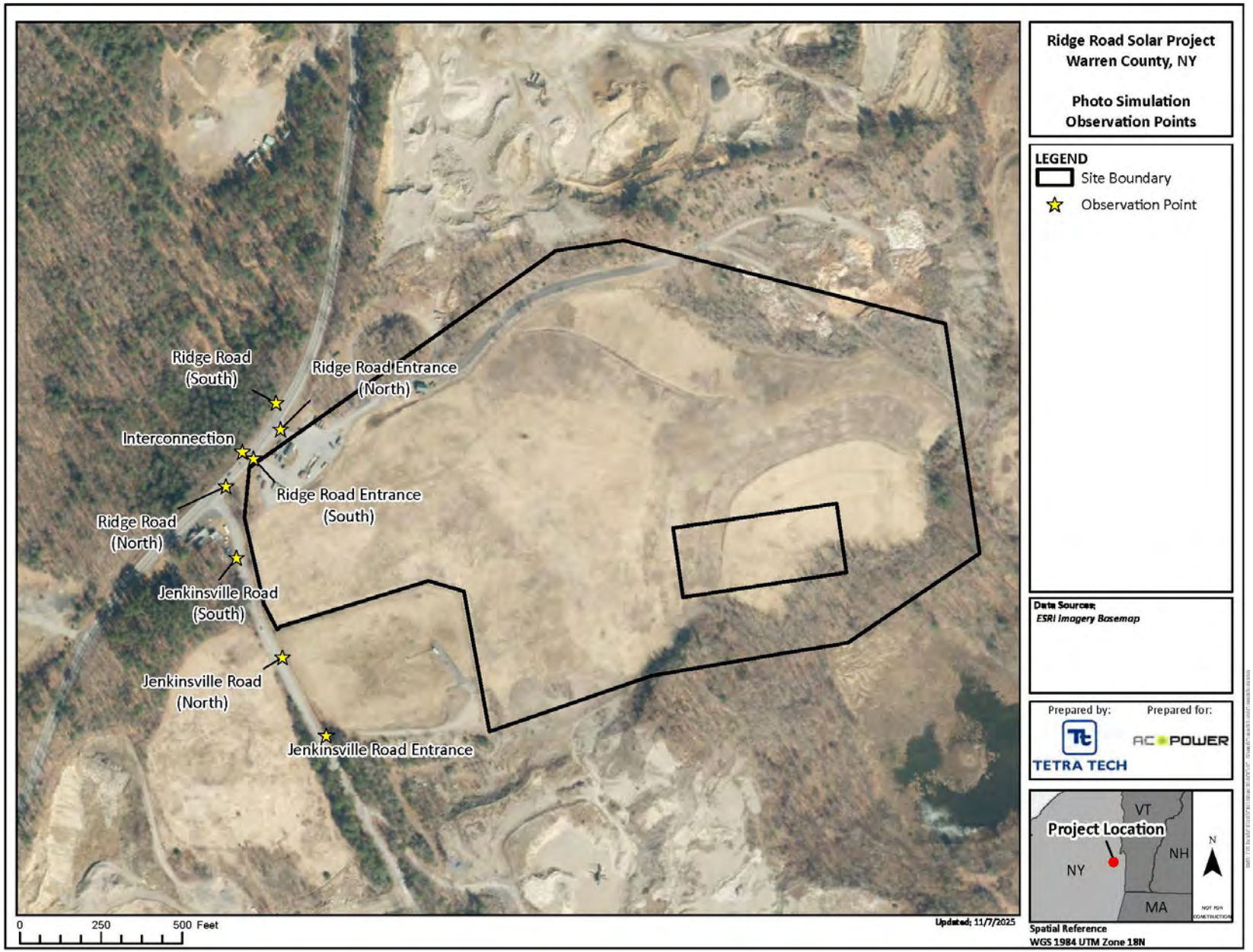
municipal waste, commercial/industrial uses, and residential uses in the area, the Project is not visually out of character with the neighborhood or community land use patterns. The following measures will be taken to ensure that the Project does not detract from the character of the neighborhood and to minimize and mitigate visual impacts:

- "Good housekeeping" will be implemented to keep the Project free of debris, trash, and waste during construction.
- The solar panels will be located within the existing open grassland within the Project area and vegetation clearing will be minimal. The forested wetland at the south end of the Project will be left untouched.
- When construction is complete, areas disturbed during the construction process will be reseeded.
- Panels will have anti-reflective coatings that will reduce the level of reflectivity.
- The electrical collection system will be located underground, to the maximum extent practicable. Electrical equipment will be constructed overhead or in cable trays for portions where necessary based on engineering constraints and preservation of the landfill cap.

3. CONCLUSION OF VISUAL IMPACT ASSESSMENT

Overall, the Project will be noticeable by those travelling adjacent to the Project along Ridge Road or Jenkinsville Road. During the construction period, viewers will be able to observe construction equipment, laydown areas, and crews. Varying degrees of visual contrast will occur when equipment and construction crews are present; however, this source of contrast will be short-term since equipment and support facilities will be removed once construction is complete. Visual effects during operation of the Project will result from the visibility of the aboveground components associated with the solar facility, including PV panels, inverters, distribution and collection lines, access roads, and perimeter fencing. The topography and vegetation within the existing landscape will partially screen the Project from viewers that are not directly adjacent to it and will therefore result in minimal visual impacts outside of the immediate vicinity of the Project Site.

APPENDIX A – VISUAL SIMULATION


Ridge Road Solar Project
Warren County, NY
Photo Simulation
Observation Points
LEGEND
Site Boundary
Observation Point
Ridge Road (South)
Ridge Road Entrance (North)
Interconnection
Ridge Road Entrance (South)
Ridge Road (North)
Jenkinsville Road (South)
Jenkinsville Road (North)
Jenkinsville Road Entrance
Data Sources:
ESRI Imagery Basemap
Prepared by:
TETRA TECH
Prepared for:
AC POWER
Project Location
VT
NH
NY
MA
N
0
250
500 Feet
Updated: 11/7/2025
Spatial Reference
WGS 1984 UTM Zone 18N

Interconnection – Existing Condition

Interconnection – Photo Simulation

Jenkinsville Road Travelling North – Existing Condition

Jenkinsville Road Travelling North – Photo Simulation

Jenkinsville Road Travelling South – Existing Condition

Jenkinsville Road Travelling South – Photo Simulation

Jenkinsville Road Entrance – Existing Condition

Jenkinsville Road Entrance – Photo Simulation

Ridge Road North Entrance - Existing Condition

Ridge Road North Entrance – Photo Simulation

Ridge Road South Entrance - Existing Condition

Ridge Road South Entrance – Photo Simulation

Ridge Road Travelling North - Existing Condition

Ridge Road Travelling North – Photo Simulation

Ridge Road Travelling South - Existing Condition

Ridge Road Travelling South – Photo Simulation