

PROJECT DEVELOPER	PROJECT SCOPE
CLEAN CHOICE ENERGY 1055 THOMAS JEFFERSON ST, NW WASHINGTON, DC 20007 (518) 369-3675	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	APPLICABLE CODES & STANDARDS
TETRA TECH ENGINEERING CORPORATION PC 3136 SOUTH WINTON RD, SUITE 303 ROCHESTER, NEW YORK 14624 (585) 417-4009	<ul> <li>NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)</li> <li>NFPA 855 (REFERENCE ONLY)</li> <li>2020 FIRE CODE OF NEW YORK STATE</li> <li>2020 BUILDING CODE OF NEW YORK STATE</li> <li>2016 NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL</li> <li>2015 NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL</li> <li>TOWN OF RIPLEY ZONING CODE</li> </ul>
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

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SHEET NUMBER	SHEET TITLE	REV NO.	DATE	
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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	

THIS PERMITTING PACKAGE, AND THE DATA HEREIN, IS INTENDED FOR PERMITTING PURPOSES ONLY, AND IS NOT TO BE USED FOR CONSTRUCTION.

**NOT FOR** 



1055 THOMAS JEFFERSON ST, NW SUITE 650 WASHINGTON, DC 20007



PROJECT NUMBERS: 194-1171-0003

SHEET TITLE:

CIVIL TITLE SHEET

24" X 36" (610 x 914)

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NO.	REVISION	DATE	INIT.
Α	30% DESIGN	7/21/2021	CNT
В	30% DESIGN	9/13/2021	CNT
С	30% DESIGN	11/01/2021	CNT
D	30% DESIGN	11/09/2021	CNT
Е	30% DESIGN	2/18/2022	CNT

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

AS SHOWN

PROJECT PHASE: 30% DESIGN SCALE:

SHEET NO.:

#### **GENERAL NOTES:**

- 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.
- 2. CONTACT DIG SAFELY NEW YORK AT (800) 962-7962 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.
- 3. NO IMPROVEMENTS, FENCES, PLANTINGS, ETC. SHALL BE ERECTED WITHIN ANY PUBLIC RIGHT-OF-WAY.
- 4. 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. 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.
- 5. POST WARNING SIGNS IN ACCORDANCE WITH THE HIGH-VOLTAGE PROXIMITY ACT.
- 6. BE RESPONSIBLE FOR ALL PERMITS AND APPROVALS FOR CONSTRUCTION ACTIVITIES THAT OCCUR OFF-SITE OR OCCUR WITHIN EXISTING EASEMENT OR RIGHT-OF-WAY AREAS.
- 7. 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.
- 8. COORDINATE WORK OF ALL DISCIPLINES (SITE WORK, STRUCTURAL, ELECTRICAL, ETC.), EXISTING CONDITIONS, SPECIAL REQUIREMENTS, CONSTRUCTION SCHEDULE AND OTHER CONTRACTORS PERFORMING WORK AT THE SITE.
- 9. EXCAVATED MATERIAL MAY BE REUSED UPON APPROVAL BY THE OWNER'S REPRESENTATIVE.
- 10. 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
- 11. DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER ANY EXISTING STRUCTURAL INTEGRITY OR EXISTING APPURTENANCES.
- 12. 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.
- 13. 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.
- 14. FOLLOW GUIDANCE AND RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGATION, BRING TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION IF CONFLICT OCCURS BETWEEN CONSTRUCTION DOCUMENTS.
- 15. PROVIDE APPROPRIATE FLAGGING AND/OR SIGNAGE DURING CONSTRUCTION AND LONG TERM MAINTENANCE PER NYSDOT REQUIREMENTS.

#### PROJECT CONSTRUCTION SEQUENCING NOTES:

- 1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, FLAG THE WORK LIMITS AND INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E., SILT FENCES, TREE PROTECTION/BARRIER FENCED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS.
- 2. PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, INSTALL INLET AND OUTLET PROTECTION MEASURES (RIPRAP OVERFLOW WEIR(S), CULVERT INLET/OUTLET
- 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. 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, FOLLOWING 80% FINAL STABILIZATION, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.

### INSTALLATION:

- 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 OR HAY MULCH 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 OR HAY MULCH 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 OR HAY FREE OF SEEDS, OR SALT HAY APPLIED AT THE RATE OF 2 TONS PER ACRE (90 TO 100 POUNDS PER 1,000 SQUARE FEET).

# NYSDOT STANDARD GENERAL PLAN NOTES:

- THE ROADWAY SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- . 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.
- 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
- 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. CHAUTAUQUA COUNTY (716) 753-2821
- . NOTIFY DIG SAFELY NEW YORK THREE WORKING DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 1—800—962—7962, FOR A UTILITY STAKE-OUT.
- ALL WORK CONTEMPLATED AND MATERIALS USED WITHIN THE NYS RIGHT-OF-WAY SHALL BE COVERED BY AND IN CONFORMITY WITH THE NYS DEPARTMENT OF TRANSPORTATION MAY 1, 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
- . 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.
- 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.
- D. 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. TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE 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 UNDERGROUND TANKS, 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 UNFEASIBLE, PERMITTEE SHALL HAVE THE OPTION OF RESTORING THE HIGHWAY TO ITS ORIGINAL CONDITION AND NOT
- . OPEN CUTTING OF THE ROADWAY SHALL NOT BE ALLOWED UNLESS PERMISSION IS GRANTED IN WRITING, BY THE REGIONAL TRAFFIC ENGINEER.

#### **SEDIMENT & EROSION CONTROL NOTES:**

- 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
- 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.
- 5. STABILIZE CONSTRUCTION DITCHES WITH EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING.
- 6. LOCATE A STABILIZED CONSTRUCTION ENTRANCE AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, OR PARKING AREA. 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.
- 7. SILT FENCE REQUIRED AROUND STOCK PILE REGARDLESS OF EXPOSURE TIME.
- 8. DO NOT LOCATE SOIL STOCKPILES IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.
- 9. 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.
- 10. 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.
- 11. 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-0-20-001 OR LATEST VERSION APPLICABLE, AND AS SPECIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN.
- 12. DESIGNATE AN ENVIRONMENTAL MONITOR (EM) PER NYSDAM GUIDELINES FOR SOLAR ENERGY PROJECTS -CONSTRUCTION MITIGATION FOR AGRICULTURAL LANDS (REVISED 10/18/2019) TO OVERSEE CONSTRUCTION, RESTORATION, AND MONITORING IF ANY PROJECT AREA IS SUBJECT TO "GROUND DISTURBANCE" AS DEFINED BY THE NYSDAM GUIDELINES FOR SOLAR ENERGY PROJECTS.

#### **VEGETATIVE COVER SPECIFICATIONS:**

- . INSTALL EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO DESIRED GRADES USING A MINIMUM OF 4 IN. TOPSOIL.
- 2. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 TO 6 INCHES.
- 4. FERTILIZE AS PER SOIL TEST, OR, IF FERTILIZER MUST BE APPLIED BEFORE SOIL TEST RESULTS ARE RECEIVED,
- APPLY 850 LBS. OF 5-10-10 OR EQUIVALENT PER ACRE (20 LBS PER 1,000 SQ. FT.).
- 5. INCORPORATE LIME AND FERTILIZER IN TOP 2-4 INCHES OF TOPSOIL. 6. SMOOTH. REMOVE LARGE STONES, STICKS AND FOREIGN MATTER FROM THE SURFACE.
- TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION)
- SEED MIX: SPRING OR SUMMER OR EARLY FALL, SEED WITH ANNUAL OR PERENNIAL RYEGRASS AT A RATE
- 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)

OF 30 LBS. PER ACRE (APPROX. 1 LB./1,000 SQ. FT).

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:

WEIGHT	SPECIES OR VARIETY	LBS/1,000 SQ.FT.	LBS/ACRI
 65 <b>%</b>	KENTUCKY BLUE GRASS	2.0-2.6	85-114
20%	PERENNIAL RYE	0.6-0.8	26-35
15%	FINE FESCUE	0.4-0.6	<u> 19-26</u>
100% OR	TOTAL	3.0-4.0	130–175
100% TA	LL FESCUE, TURF-TYPE, FINE LEAF	3.4-4.6	150-200

AMOUN1	BY:		
WEIGHT	SPECIES OR VARIETY	LBS/1,000 SQ.FT.	LBS/ACR
50%	CREEPING RED FESCUE	0.5	20
50%	PERENNIAL RYEGRASS	0.5	20
100%	TOTAL	1.0	40

NORTHEAST WILD	FLOWER SEED MIX	
PERENNIALS		
PERCENT BY		
NO. OF SEEDS	SPECIES OR VARIETY	COMMON NAME
42.5%	PHLEUM PRATENSE	TIMOTHY
24.9%	TRIFOUUM HYBRIDUM	ASIKE CLOVER
15.6%	DACTYLIS GLOMERATA	ORCHARD GRASS
3.9%	LESPEDEZA BICOLOR	BICOLOR LESPEDEZA

42.5%	PHLEUM PRATENSE	TIMOTHY
24.9%	TRIFOUUM HYBRIDUM	ASIKE CLOVER
15.6%	DACTYLIS GLOMERATA	ORCHARD GRASS
3.9%	LESPEDEZA BICOLOR	BICOLOR LESPEDEZA
3.5%	PANICUM VIRGATUM	SWITCHGRASS
0.9%	ANDROPOGON VIRGINICUS	BROOM-SEDGE
<u>ANNUALS</u>		
5.3%	SETARIA ITALICA	FOX-TAIL BRISTLE GRAS
1.9%	HELIANTHUS ANNUUS	COMMON SUNFLOWER
0.8%	POLYGONUM PENSLVANICUM	PENNSYLVANIA SMARTWE
0.7%	AVENA SATIVA	OATS

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

### LANDSCAPING WARRANTY:

### WARRANTY:

- WARRANTY PERIODS FROM DATE OF PLANTING COMPLETION 1.1. TREES, SHRUBS, VINES, AND ORNAMENTAL GRASSES: 24 MONTHS. 1.2. GROUND COVERS, BIENNIALS, PERENNIALS, AND OTHER PLANTS: 24 MONTHS.
- 2. INCLUDE THE FOLLOWING REMEDIAL ACTIONS AS A MINIMUM: 2.1. PROVIDE EXTENDED WARRANTY FOR THE REPLACED PLANT MATERIAL FOR A PERIOD EQUAL TO THE ORIGINAL

# MAINTENANCE SERVICE:

- INITIAL MAINTENANCE SERVICE FOR TREES AND SHRUBS: PROVIDE MAINTENANCE BY SKILLED EMPLOYEES OF LANDSCAPE INSTALLER. BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTS ARE INSTALLED AND CONTINUE UNTIL PLANTINGS ARE ACCEPTABLY HEALTHY AND WELL ESTABLISHED BUT FOR NOT LESS THAN MAINTENANCE PERIOD.
- 2. CONTRACTOR TO WATER PLANTS FOR FIRST TWO SUMMERS.
- 3. 95% SURVIVAL RATE OF THE PLANTS TO BE GUARANTEED FOR THE FIRST TWO YEARS. REPLACE ANY DEAD PLANTS IN THE FIRST TWO YEAR GUARANTEE PERIOD.

### GENERAL DRAINAGE & GRADING NOTES:

- 1. DEWATER THE EXCAVATIONS AS REQUIRED TO MAINTAIN A STABILIZED SLOPE.
- 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.
- 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.

#### **EARTHWORK**

- NAME OF MATERIAL SUPPLIERS

- MANUFACTURER'S CERTIFICATE: CERTIFY PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS

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

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

UNCLASSIFIED FILL: SATISFACTORY SOIL MATERIALS.

BACKFILL AND FILL: SATISFACTORY SOIL MATERIALS.

SUBBASE MATERIAL: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND; ASTM D 2940; WITH AT LEAST 95 PERCENT PASSING A 1-1/2-INCH SIEVE AND NOT MORE THAN 12 PERCENT PASSING A NO. 200 SIEVE.

ACCESS ROAD SUBBASE MATERIAL: PROVIDE SUBBASE IN CONFORMANCE WITH THE REQUIREMENTS OF NEW YORK 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.

PEA-GRAVEL: 1/4-INCH CLEAN WASHED GRAVEL (PEA-GRAVEL) WITH LESS THAN 10% FINES (PASSING #200 SIEVE) LIGHT STONE FILLING: PROVIDE MATERIAL IN CONFORMANCE WITH THE REQUIREMENTS OF NEW YORK DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR LIGHT STONE FILLING. REFER TO SECTION 733.21.

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

GEOTEXTILE: PRODUCTS AS NOTED ON THE DETAILS.

FILTER FABRIC: MIRAFI 180-N OR OTHER CLASS "C" CRITERIA FILTER FABRIC EQUIVALENT.

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

EXCAVATE FOR STRUCTURES, PAVEMENTS, AND WALKS TO INDICATED ELEVATIONS AND DIMENSIONS. EXTEND EXCAVATIONS FOR PLACING AND REMOVING CONCRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER CONSTRUCTION, AND FOR INSPECTIONS. TRIM BOTTOMS TO REQUIRED LINES AND GRADES TO LEAVE SOLID BASE TO RECEIVE OTHER WORK.

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. FILL UNAUTHORIZED EXCAVATION UNDER FOUNDATIONS OR WALL FOOTINGS BY EXTENDING BOTTOM ELEVATION OF

CONCRETE FOUNDATION OR FOOTING TO EXCAVATION BOTTOM, WITHOUT ALTERING TOP ELEVATION. LEAN CONCRETE FILL MAY BE USED WHEN APPROVED BY ENGINEER. FILL UNAUTHORIZED EXCAVATIONS UNDER OTHER CONSTRUCTION OR UTILITY PIPE AS DIRECTED BY ARCHITECT/ENGINEER. 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

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

BACKFILL OF SATISFACTORY SOIL MATERIAL TO FINAL SUBGRADE.

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 D1557: 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.

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,

LINES TO PLUS OR MINUS 1/2 INCH. SUBGRADE UNDER EQUIPMENT FOUNDATIONS: SUBGRADE SHALL BE COMPACTED IN ACCORDANCE WITH EXCAVATION,

BACKFILL AND COMPACTION SPECIFICATIONS. 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

AND UNPAVED SUBGRADES TO TOLERANCES OF PLUS OR MINUS 1 INCH AND PAVEMENTS AND AREAS WITHIN BUILDING

GEOTEXTILE/FILTER FABRIC: SEE PLANS / DETAILS FOR SPECIFIC PRODUCT REQUIREMENTS.

THICKNESS IN ACCORDANCE WITH THE COMPACTION SPECIFICATIONS ABOVE.

EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.

### WINTER STABILIZATION:

- WINTER STABILIZATION SHALL APPLY TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND
- 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.
- . 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 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
- 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.

#### ACRONYMS/ABBREVIATIONS:

ALTERNATING CURRENT CORRUGATED METAL DIAMETER FOOT

INVERT ELEVATION NOW OR FORMALLY NOT TO SCALE OVERHEAD ELECTRIC PHOTOVOLTAIC

REINFORCED CONCRETE PIPE SQ FT SQUARE FEET STORMWATER POLLUTION PREVENTION PLA SWPPP TAX MAP NUMBER

TYPICAL UNDERGROUND ELECTRIC

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WASHINGTON, DC 20007

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ON THIS DOCUMENT IN ANY WAY

PROJECT NUMBERS: 194-1171-0003

SHEET TITLE:

SHEET SIZE 24" X 36" (610 x 914)

DEMISION

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NOTES

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В	30% DESIGN	2/18/2022	CNT		
	DATE: 2/18/2022				
I DAI	DATE: 2/18/2022				

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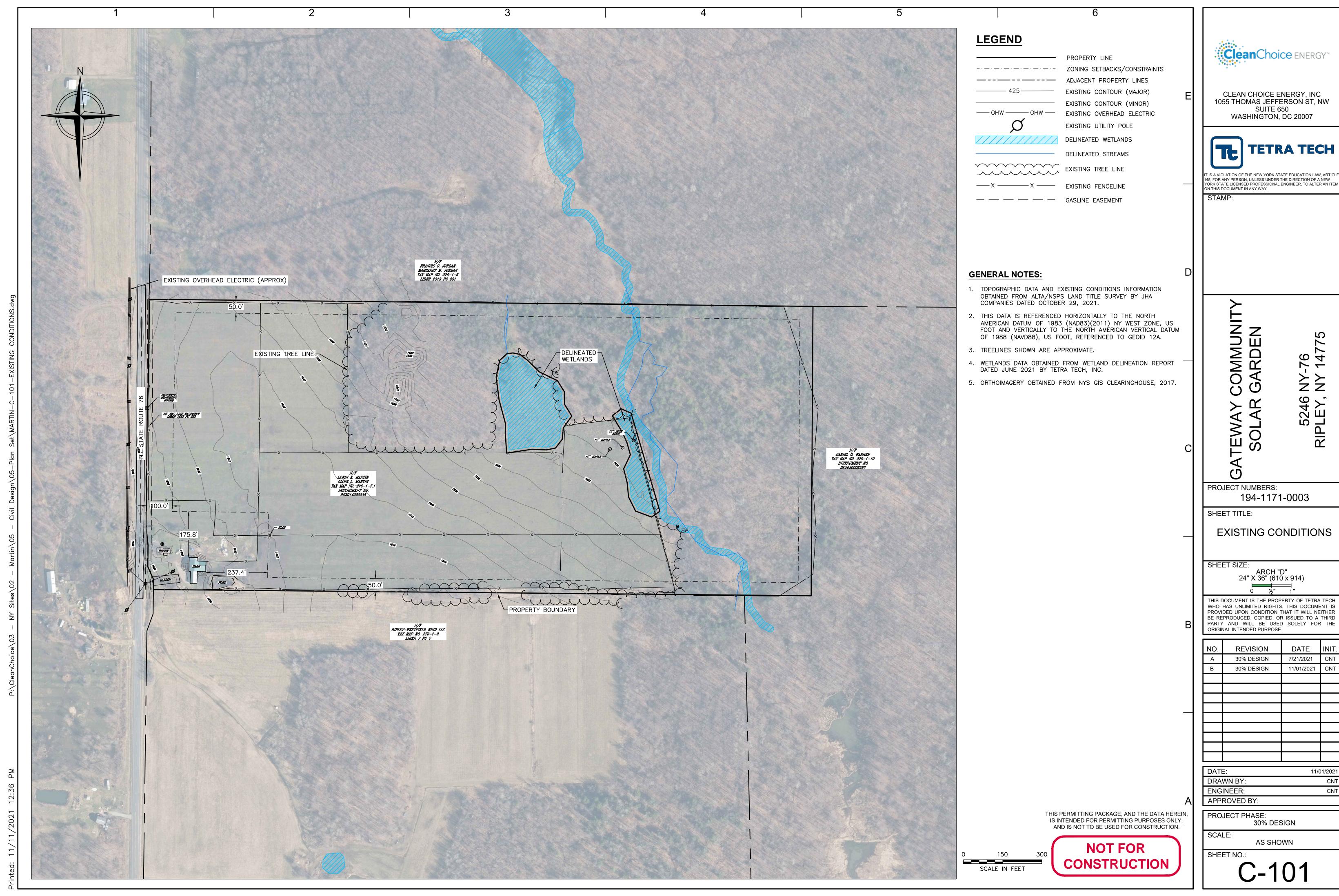
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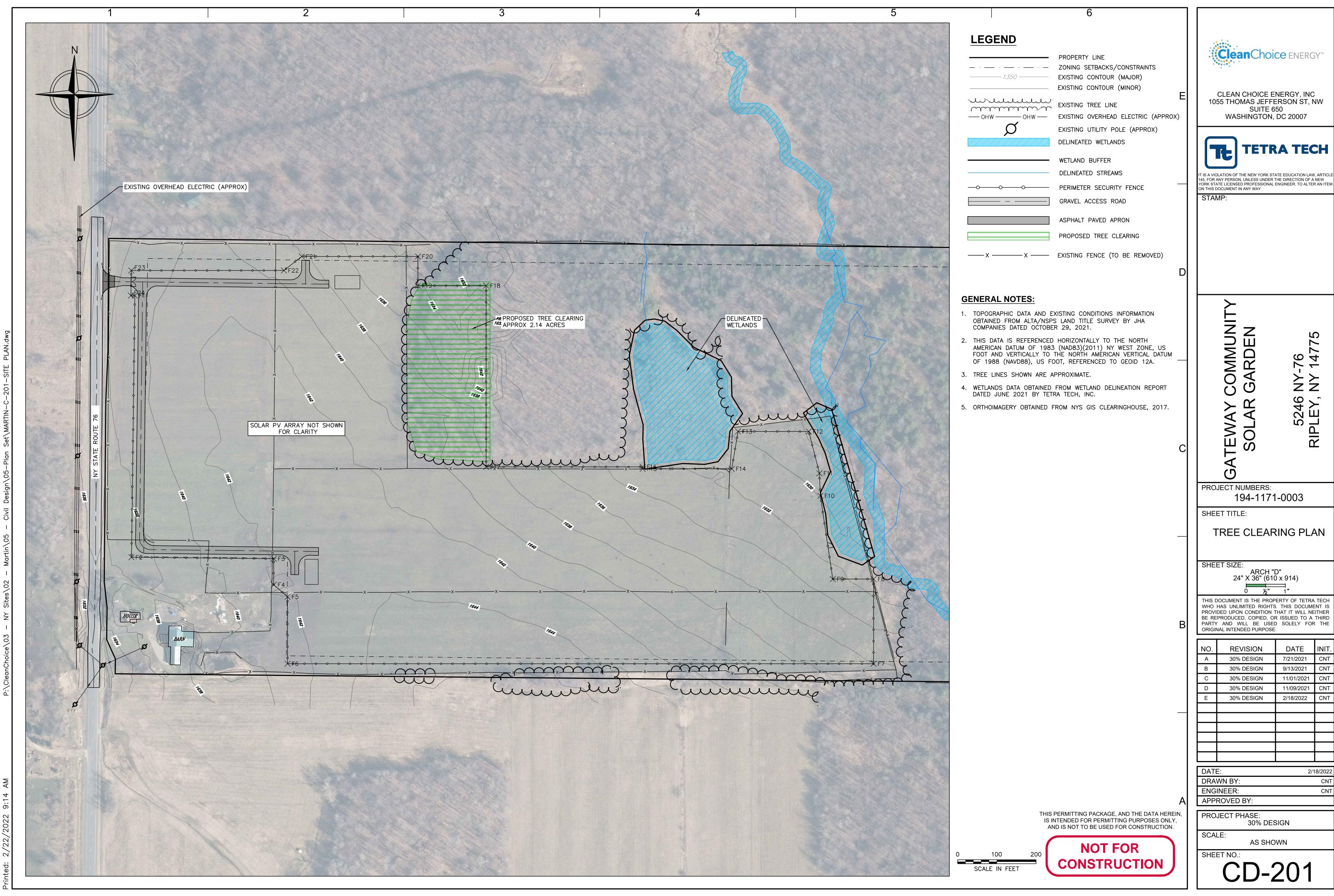
ENGINEER

APPROVED BY:

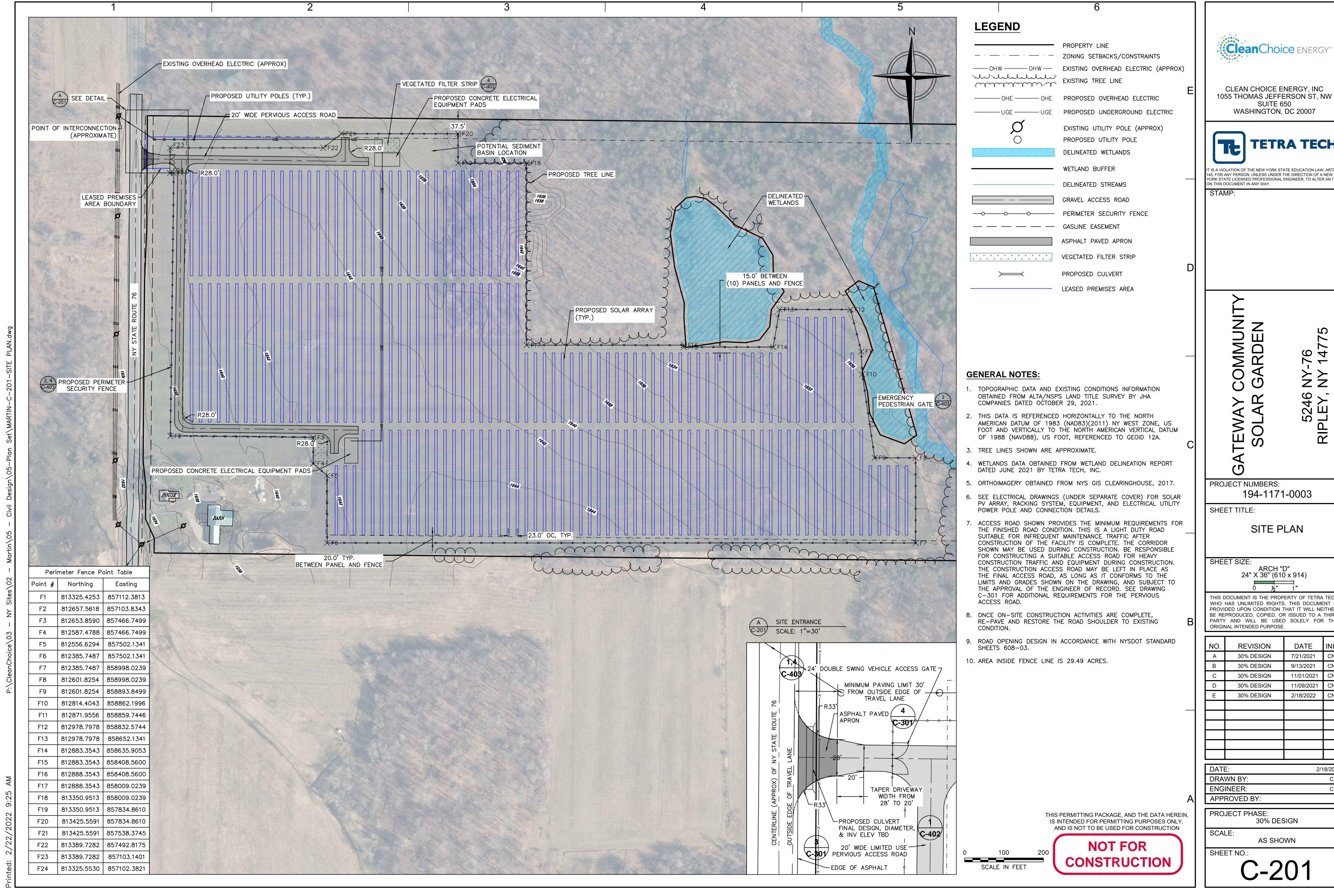
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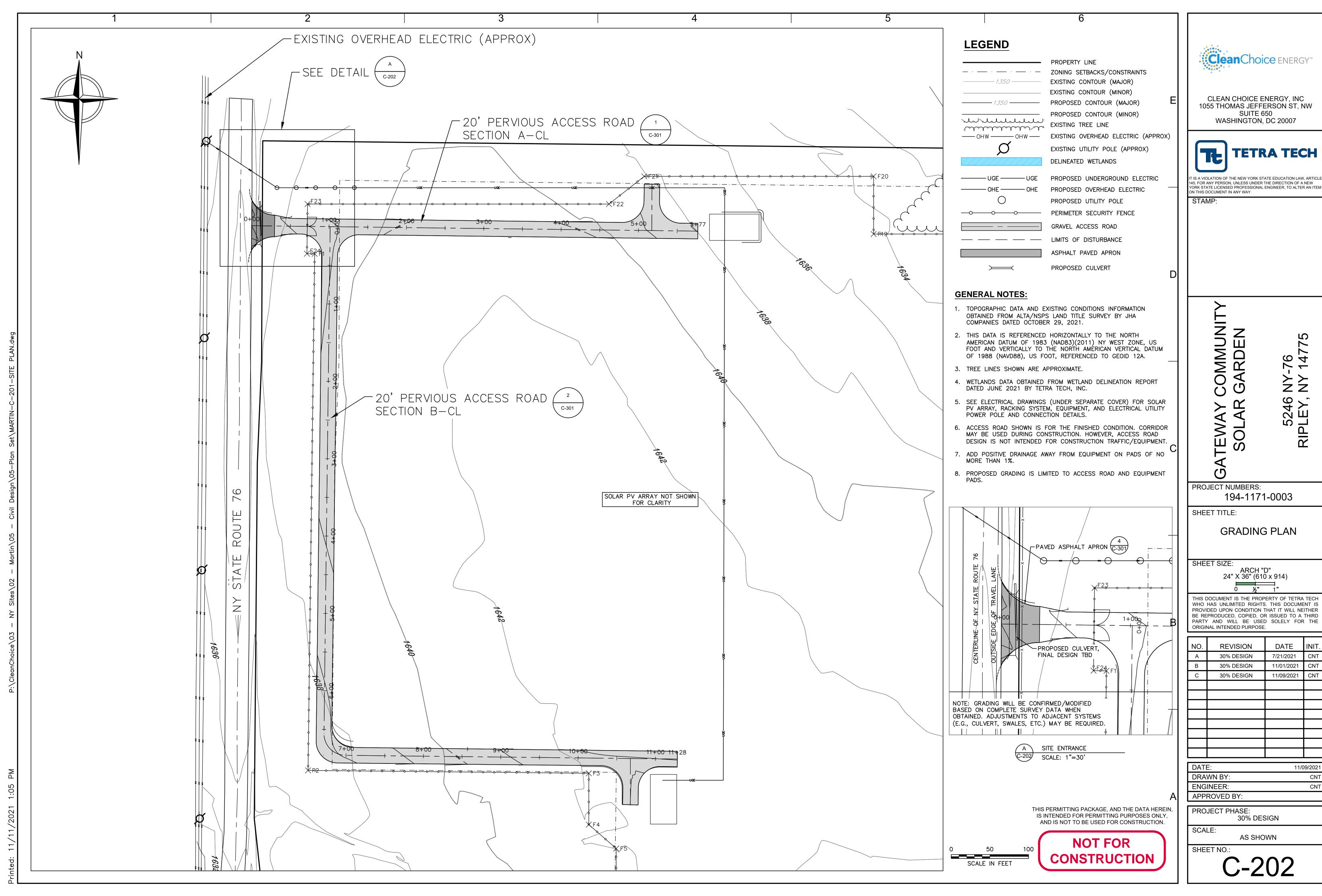


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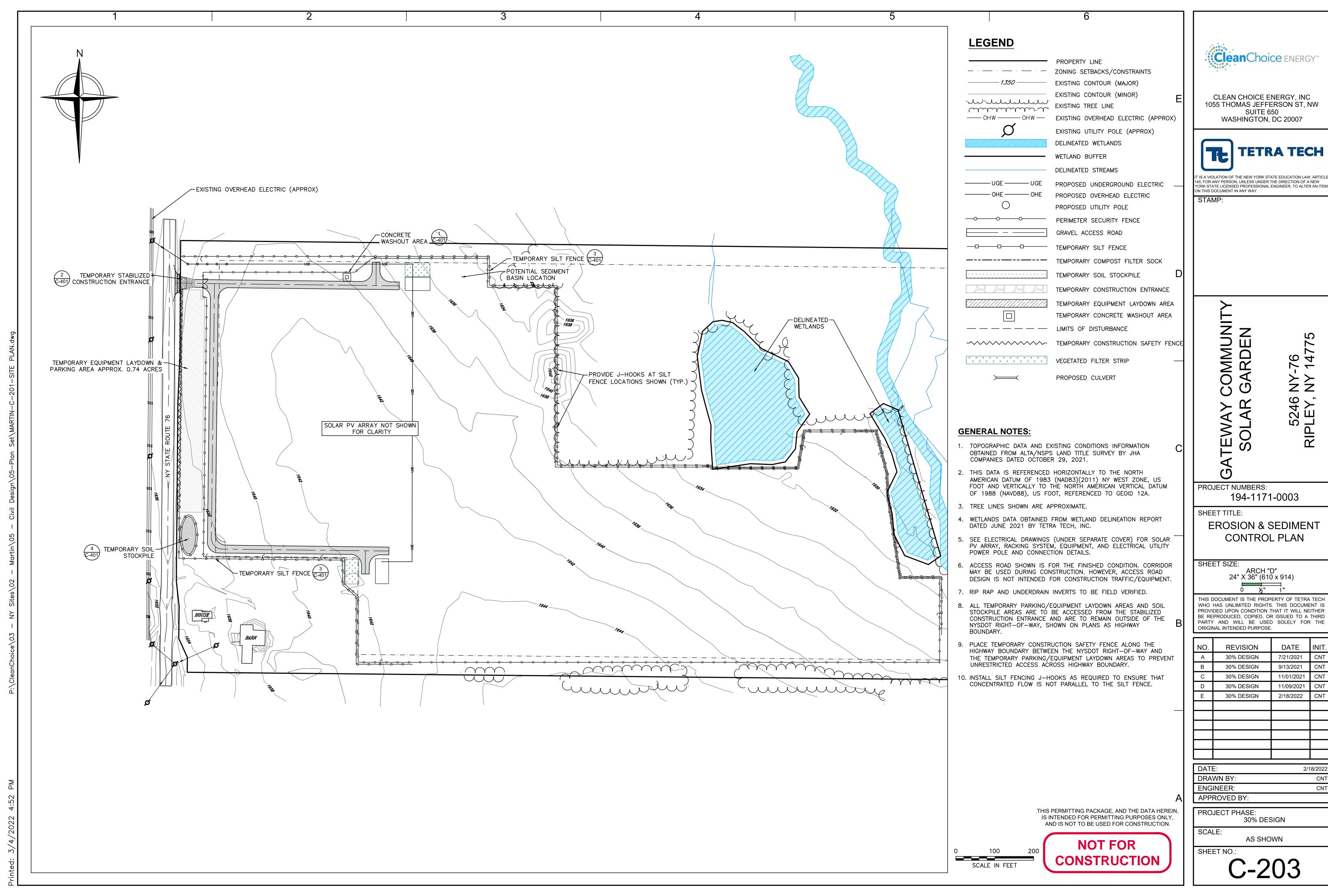
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2/18/2022



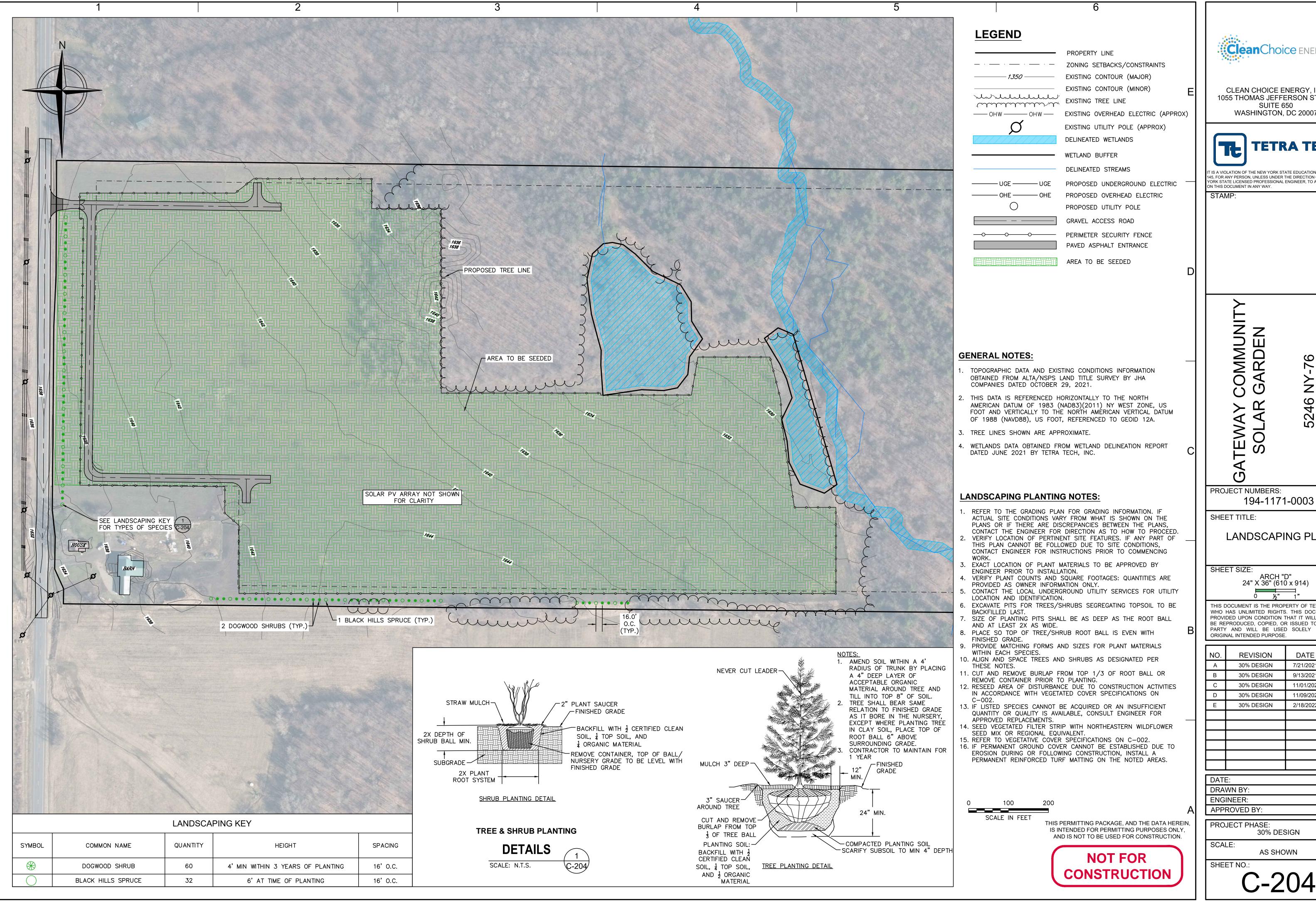
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LANDSCAPING PLAN

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2/18/2022

30% DESIGN

6. 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.

8. 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 VEGATATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS

### **GEOGRID MATERIAL NOTES:**

1. 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.

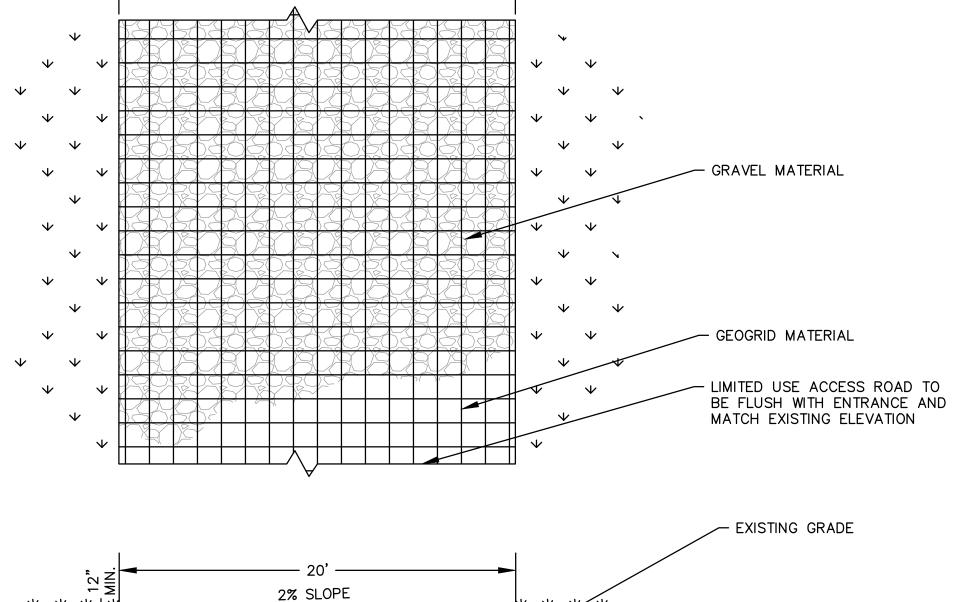
2. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, CURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.

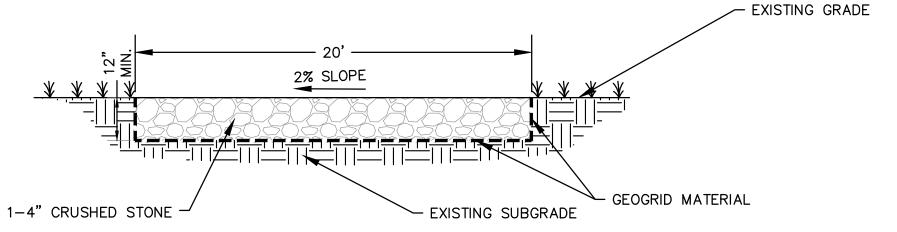
3. THE GEOGRID SHALL BE TENSAR T-130 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED ROAD SLOPE.

4. IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF 6".

5. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.

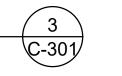
6. LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT ITEM 703-02 SPECIFICATIONS.





# LIMITED USE PERVIOUS ACCESS ROAD

SCALE: N.T.S.



**ASPHALT PAVED APRON** 

**DETAIL** SCALE: N.T.S.

1. ALL MATERIALS PERMANENTLY INCORPORATED INTO THE RIGHT-OF-WAY ARE BY REFERENCE LISTED AS NYSDOT PAY ITEMS PER

HTTPS://WWW.DOT.NY.GOV/PIC 2. SAWCUT EDGE OF ASPHALT TO ALLOW FOR A CLEAN

BUTT JOINT WITH THE NEW ASPHALT. 3. PROVIDE ASPHALT JOINT SEALANT (PAY ITEM NO. 418.603) BETWEEN EXISTING AND PROPOSED

ASPHALT. 4. TACK COAT SHALL BE APPLIED BETWEEN EACH LIFT OF ASPHALT AND ALL VERTICAL FACES.

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COMMUNIT SARDEN

PROJECT NUMBERS: 194-1171-0003

SHEET TITLE:

**ACCESS ROAD** PROFILE & DETAILS

SHEET SIZE:

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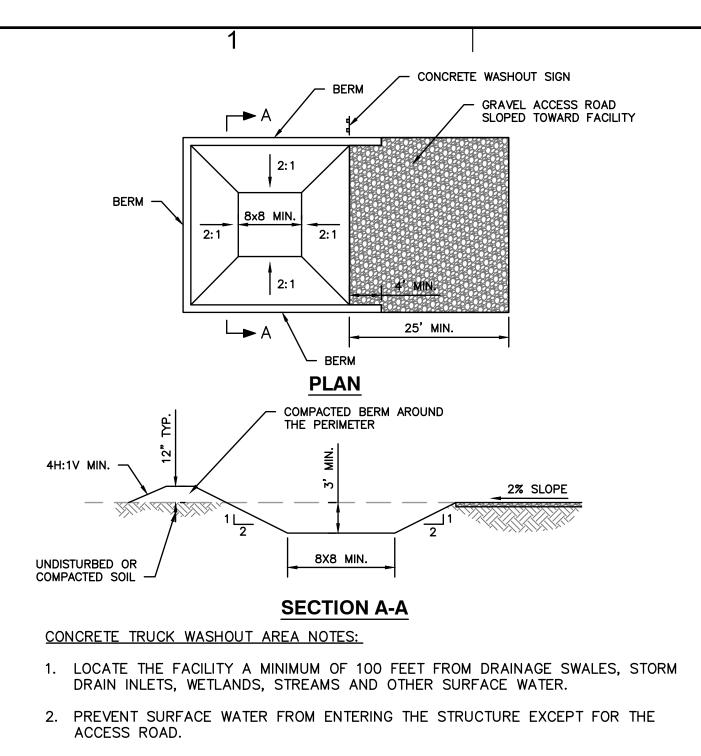
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PROJECT PHASE: 30% DESIGN

SCALE: AS SHOWN

SHEET NO.:

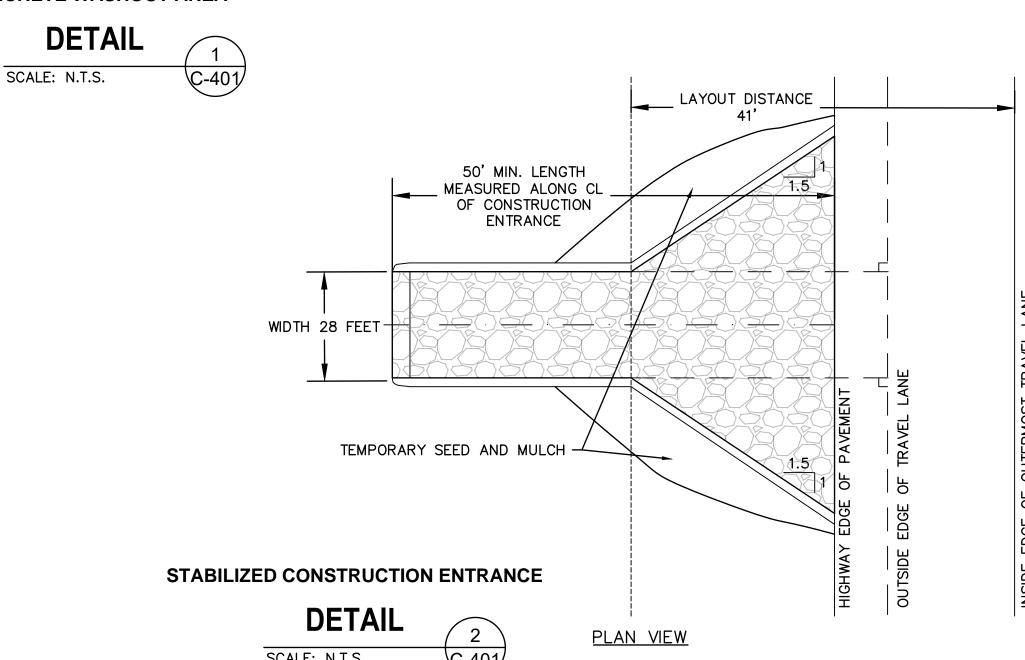


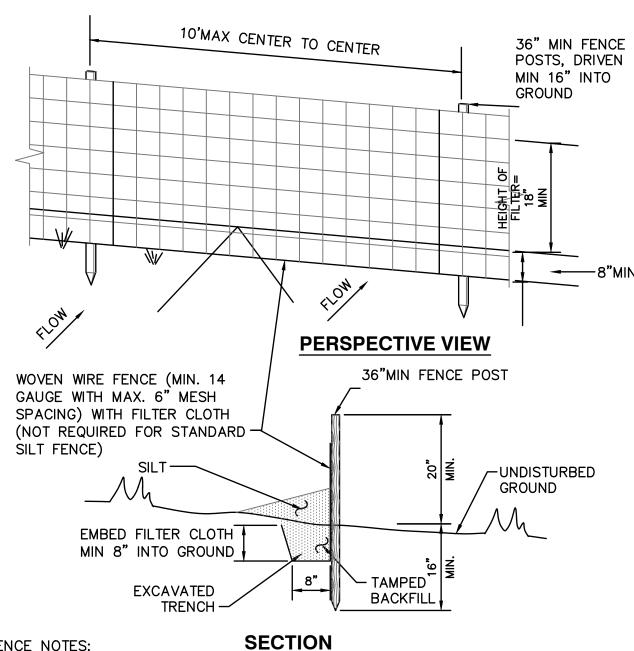
- PROVIDE A GRAVEL ACCESS ROAD TO FACILITY THAT IS SLOPED DOWN TO FACILITY.
- 4. SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.
- ALL WASHOUT FACILITIES SHALL BE LINED TO PREVENT LEACHING OF LIQUIDS INTO THE GROUND. THE LINER SHALL BE PLASTIC SHEETING HAVING A 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.
- 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.
- 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
- 3. EXCESS ACCUMULATED RAINWATER OVER HARDENED CONCRETE SHALL BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
- 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.
- 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**





#### SILT FENCE NOTES:

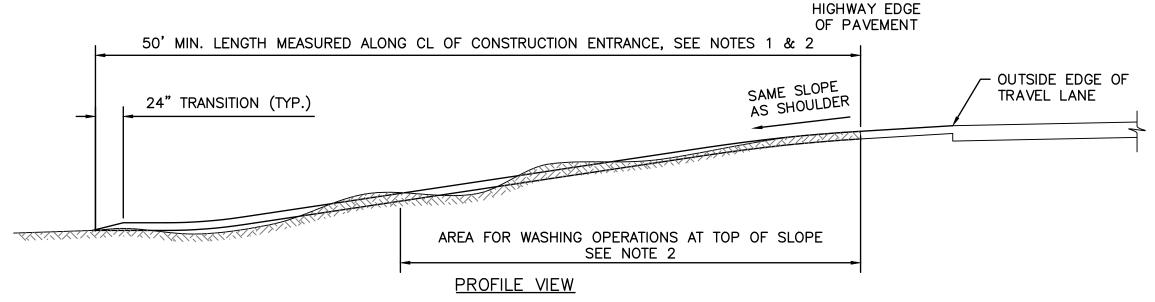
- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH 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
- 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	SLOPE STEEPNESS SLOPE LENGTH/FENCE LENGTH (FT)			ENGTH (FT)
SLUPE	SIEEPNESS	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.

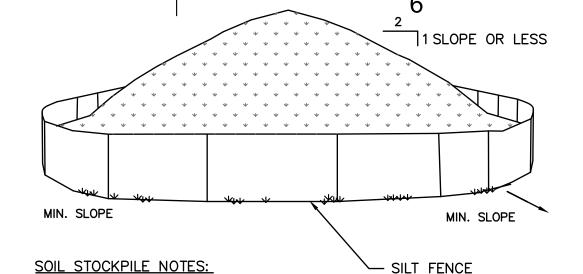
# SILT FENCE





### 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.



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.

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PROJECT NUMBERS: 194-1171-0003

SHEET TITLE:

**EROSION & SEDIMENT** CONTROL DETAILS

SHEET SIZE

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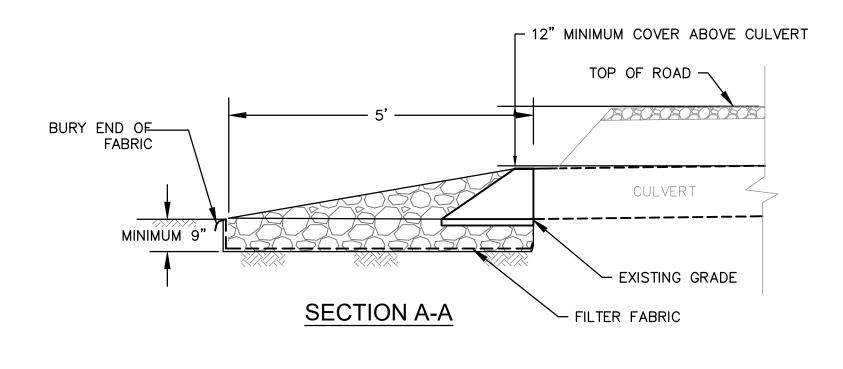
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CONSTRUCTION

SCALE: AS SHOWN

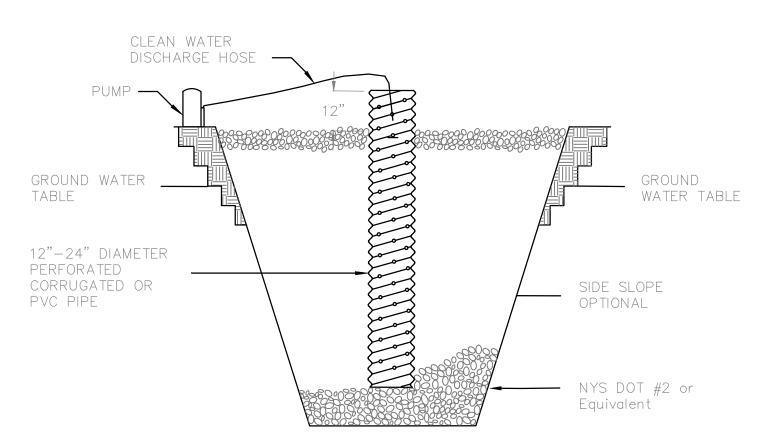
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# **CULVERT OUTLET PROTECTION**

PLAN



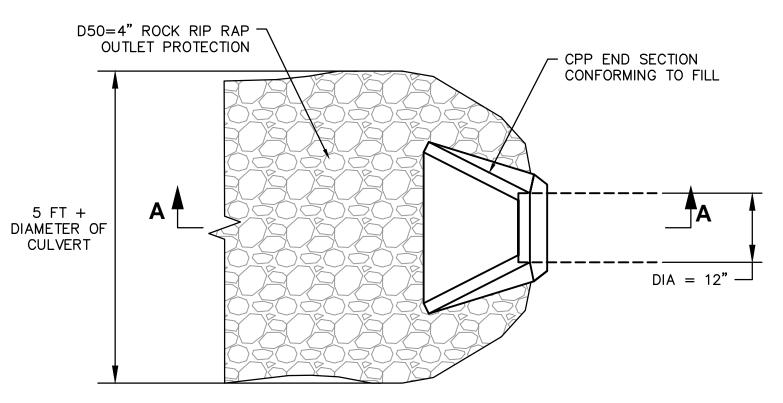


# DEWATERING SUMP PIT NOTES:

- 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,  $\frac{1}{4}$ "  $-\frac{1}{2}$ " HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE, PRIOR TO ATTACHING THE FILTER CLOTH.

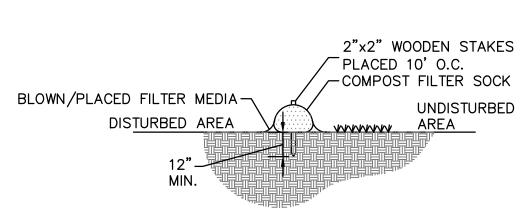
## **DEWATERING SUMP PIT**



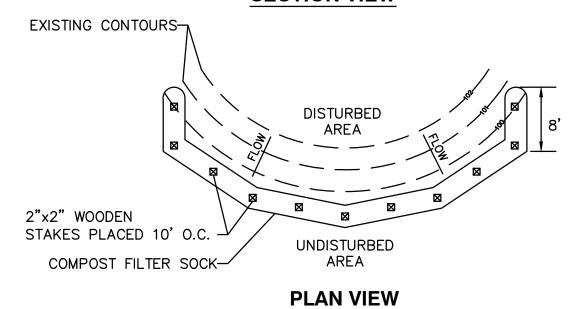


#### NOTES:

- 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
- 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.



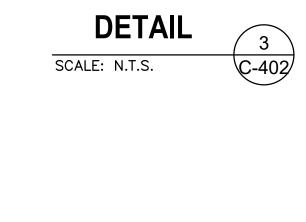
## **SECTION VIEW**



# **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
- 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**



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.

# TYPICAL GRASS FILTER STRIP

PROVIDE 2" DROP FROM TOP -OF IMPERVIOUS SURFACE ONTO

FIRST 10 FT OF FILTER STRIP TO -

6" PERMEABLE BERM → AT TOE OF FILTER STRIP

EXISTING GRADE -

HAVE MAX. 2% SLOPE

VEGETATED FILTER STRIP -MINIMUM WIDTH 35 FT

GRAVEL DIAPHRAM

DIAPHRAGM

12" PEA GRAVEL -



THIS PERMITTING PACKAGE, AND THE DATA HEREIN, IS INTENDED FOR PERMITTING PURPOSES ONLY, AND IS NOT TO BE USED FOR CONSTRUCTION.

> **NOT FOR CONSTRUCTION**



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



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PROJECT NUMBERS: 194-1171-0003

SHEET TITLE:

**EROSION & SEDIMENT** CONTROL DETAILS

SHEET SIZE:

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

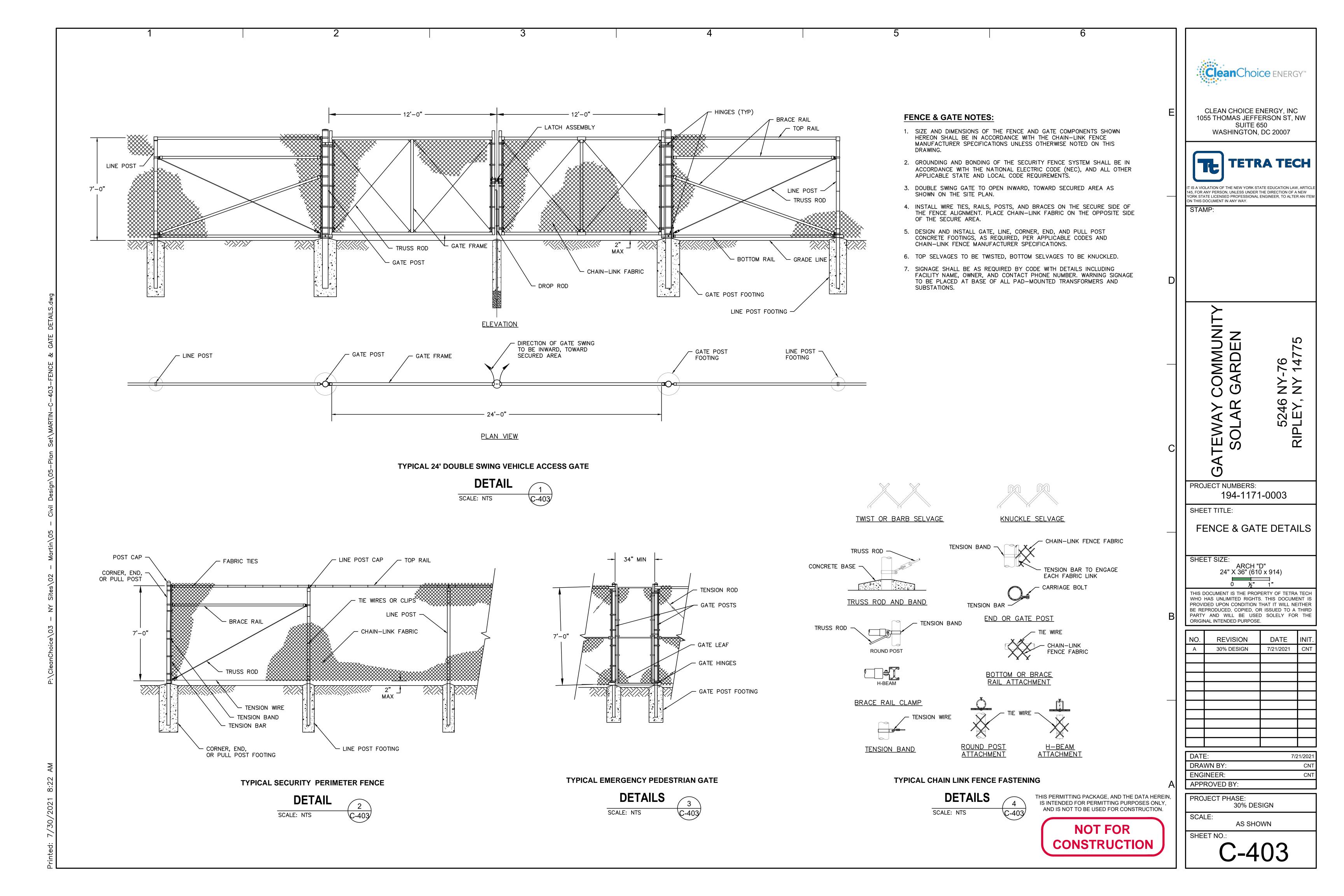
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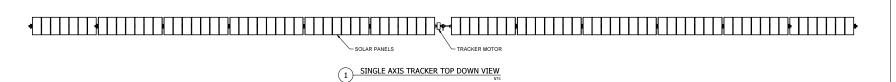
NO.	REVISION	DATE	INIT.
Α	30% DESIGN	7/21/2021	CNT
В	30% DESIGN	2/18/2022	CNT

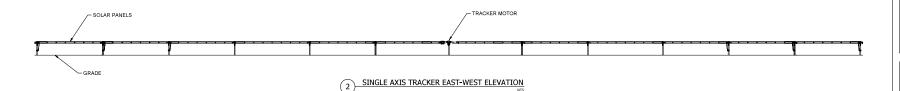
l	DATE:	2/18/2022
l	DRAWN BY:	CNT
l	ENGINEER:	CNT
	APPROVED BY:	
	•	

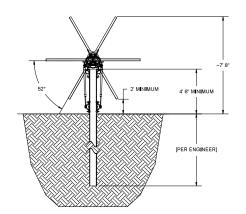
PROJECT PHASE: 30% DESIGN

SCALE: AS SHOWN SHEET NO.:









3 SINGLE AXIS TRACKER NORTH-SOUTH ELEVATION NTS



1055 THOMAS JEFFERSON ST, NW SUITE 650 WASHINGTON, DC 20007

PROJECT ADDRESS 5246 NY-76 RIPLEY, NY 14775

LAT: 42,2259 LONG: -79,656

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 BI-FACIAL	
MODULE STC RATING	450W	
INVERTER COUNT	40	
INVERTER TYPE	CPS SCA125KTL-DO/US	
INVERTER POWER	125kW	
RACKING	TBD	
MONITORING	ALSO ENERGY	

DESIGN CRITERIA		
MIN/MAX TEMP20°C / 31°C		
WIND SPEED (ASCE 7-10)	105 MPH	
BUILDING CATEGORY	-	
EXPOSURE CATEGORY	C	
GROUND SNOW LOAD	CASE STUDY AREA	
BUILDING HEIGHT	0'-0"	

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

SHEET

P\/2

