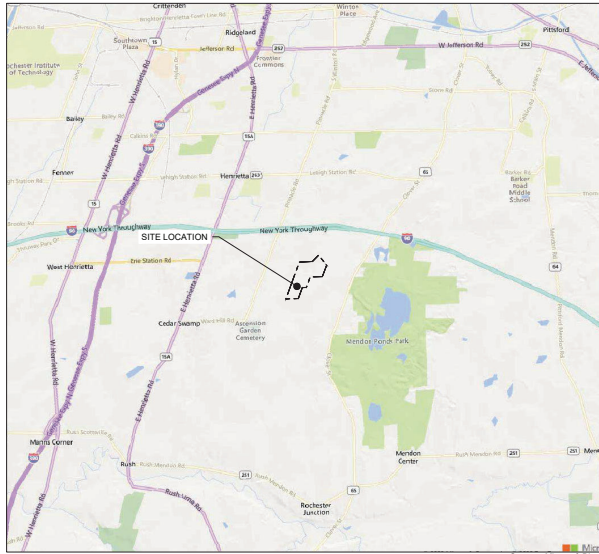
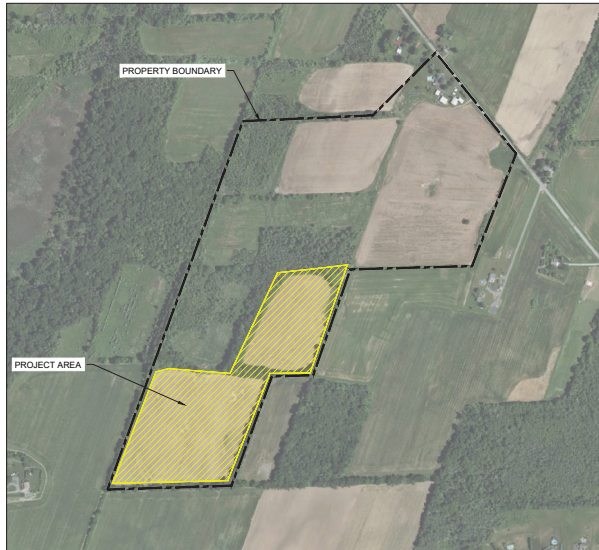


Printed: 7/11/2024, 2:15 PM X:\BW Solar\05 - Monroe 3\05-Civil Design\01-MONROE 3 G-100 CIVIL TITLE SHEET - G-101 NOTES.dwg



**REGIONAL MAP**  
SCALE 1" = 5,000'



**AERIAL MAP**  
SCALE 1" = 500'

# NY CDG MONROE 3 LLC

175 TOBIN ROAD  
HENRIETTA, NY 14467

## 30% CIVIL PERMIT DRAWINGS

CONTACT INFORMATION	
PROJECT OWNER	BW SOLAR HOLDING INC 69 STATE STREET, 13TH FLOOR ALBANY, NY 12207
PROJECT DEVELOPER	NY CDG MONROE 3 LLC, 69 STATE STREET, 13TH FLOOR ALBANY, NY 12207
PROPERTY OWNER	JACK FINNIGAN 175 TOBIN ROAD HENRIETTA, NY 14467
CIVIL ENGINEER	TETRA TECH ENGINEERING CORPORATION, P.C. CERT #0018815 3136 SOUTH WINTON ROAD ROCHESTER, NY 14623 (585) 417-4008
PROJECT SCOPE	
THIS DESIGN PACKAGE PROVIDES DRAWINGS AND DETAILS FOR THE CIVIL AND STORMWATER COMPONENTS OF A SOLAR PHOTOVOLTAIC SYSTEM IN THE STATE OF NEW YORK. THIS WORK PRODUCT IS PRELIMINARY AND NOT FOR CONSTRUCTION.	

PROPERTY SUMMARY	
PARCEL NUMBER	190.02-1-47.11
PARCEL AREA (ACRES)	113.61
ZONING CLASSIFICATION	RR - RURAL RESIDENTIAL
SETBACK INFORMATION	100 FT FROM A PUBLIC ROAD 50 FT FROM SIDE & REAR YARD LOT LINES 150 FT FROM RESIDENCES
PRIMARY SITE ACCESS	TOBIN ROAD
COORDINATES AT ENTRANCE (EASTING / NORTHING)	1414734.1450 / 1109418.2937

PROJECT SUMMARY	
CLASSIFICATION	THIS PROJECT IS CLASSIFIED AS A LARGE SCALE SOLAR ENERGY SYSTEM AS OUTLINED IN THE TOWN OF HENRIETTA SOLAR CODE ARTICLE XVI SUBPART 255-73
AHJ	TOWN OF HENRIETTA
AHJ NOTE	AS AN INTEGRAL PART OF THIS APPROVAL, THE PLANNING BOARD EXPRESSLY APPROVES THE COLORS, TEXTURES, AND FINISH OF THE BUILDING AS SUBMITTED WITH THIS APPLICATION. ANY PROPOSED CHANGE IN COLOR, TEXTURE, OR FINISH OF THE BUILDING FROM THAT APPROVED BY THE PLANNING BOARD SHALL REQUIRE A RE-APPLICATION FOR REVIEW AND APPROVAL OF THE PLANNING BOARD.
INTERCONNECTION UTILITY	ROCHESTER GAS AND ELECTRIC (RG&E)
VARIANCES	NONE
SPECIAL PERMITS	NONE
DC SYSTEM SIZE (MW)	6.60
AC SYSTEM SIZE (MW)	4.40
FENCED AREA (ACRES)	24.84
FENCE LENGTH (LINEAR FEET)	5898.36
ROAD LENGTH (LINEAR FEET)	3.778
CUT VOLUME	±18,102
FILL VOLUME	±17,190
NET CUT/FILL	±912 (CUT)

DRAWING INDEX			
SHEET NUMBER	SHEET TITLE	REV NO.	DATE
G-100	CIVIL TITLE SHEET	A	07/12/2024
G-101	CIVIL NOTES	A	07/12/2024
G-102	CIVIL NOTES	A	07/12/2024
EX-100	OVERALL EXISTING CONDITIONS PLAN	A	07/12/2024
EX-101	EXISTING CONDITIONS PLAN	A	07/12/2024
EX-102	EXISTING CONDITIONS PLAN	A	07/12/2024
EX-103	EXISTING CONDITIONS PLAN	A	07/12/2024
EX-104	EXISTING CONDITIONS PLAN	A	07/12/2024
C-100	OVERALL SITE LAYOUT & LOCATION KEY	A	07/12/2024
C-101	SITE PREPARATION & DEMOLITION PLAN	A	07/12/2024
C-102	SITE PREPARATION & DEMOLITION PLAN	A	07/12/2024
C-103	SITE PREPARATION & DEMOLITION PLAN	A	07/12/2024
C-104	SITE PREPARATION & DEMOLITION PLAN	A	07/12/2024
C-201	SITE LAYOUT PLAN	A	07/12/2024
C-202	SITE LAYOUT PLAN	A	07/12/2024
C-203	SITE LAYOUT PLAN	A	07/12/2024
C-204	SITE LAYOUT PLAN	A	07/12/2024
C-301	GRADING & DRAINAGE PLAN	A	07/12/2024
C-302	GRADING & DRAINAGE PLAN	A	07/12/2024
C-303	GRADING & DRAINAGE PLAN	A	07/12/2024
C-304	GRADING & DRAINAGE PLAN	A	07/12/2024
C-305	GRADING & DRAINAGE PLAN	A	07/12/2024
C-401	EROSION & SEDIMENT CONTROL PLAN	A	07/12/2024
C-402	EROSION & SEDIMENT CONTROL PLAN	A	07/12/2024
C-403	EROSION & SEDIMENT CONTROL PLAN	A	07/12/2024
C-404	EROSION & SEDIMENT CONTROL PLAN	A	07/12/2024
C-501	RESTORATION PLAN	A	07/12/2024
C-502	RESTORATION PLAN	A	07/12/2024
C-503	RESTORATION PLAN	A	07/12/2024
C-504	RESTORATION PLAN	A	07/12/2024
D-100	SITE DETAILS	A	07/12/2024
D-101	SITE DETAILS	A	07/12/2024
D-400	EROSION & SEDIMENT CONTROL DETAILS	A	07/12/2024
D-401	EROSION & SEDIMENT CONTROL DETAILS	A	07/12/2024
D-500	PLANTING DETAILS	A	07/12/2024
D-600	FENCE & GATE DETAILS	A	07/12/2024



STAMP:  
Digitally signed by Robert Chozick  
Date: 2024.07.12 10:00:29 -04'00'

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 128 WHICH PROVIDES UNDER THE DIRECTION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM IN THIS DOCUMENT IN ANY WAY.

NY CDG MONROE 3 LLC  
BW SOLAR HOLDING INC  
175 TOBIN ROAD  
HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
194-1264-0006

SHEET TITLE:  
CIVIL TITLE SHEET

SHEET SIZE:  
ANSI 'D' FULL BLEED  
22" X 34" (559 X 864)

THIS DOCUMENT IS THE PROPERTY OF TETRA TECH WHO HAS UNLIMITED RIGHTS. THIS DOCUMENT IS PROVIDED UPON CONDITION THAT IT WILL NEITHER BE REPRODUCED, COPIED, OR ISSUED TO A THIRD PARTY AND WILL BE USED SOLELY FOR THE ORIGINAL INTENDED PURPOSE.

NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
DRAWN BY: R. DEMIJO  
ENGINEER: R. DEMIJO  
APPROVED BY: R. CHOZICK


PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE:  
AS SHOWN


SHEET NO.:  
**G-100**




<p><b>GENERAL NOTES:</b></p> <ol style="list-style-type: none"> <li>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 IS NOT GUARANTEED BY THE ENGINEER.</li> <li>CONTACT DIS SAFELY NEW YORK AT (800) 962-7862 AND ANY NON-PARTICIPATING UTILITY COMPANIES AT LEAST 2 WORKING DAYS BEFORE CONSTRUCTION. EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF PERTINENT UTILITIES. MARK THE EXISTING UTILITIES 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 AND/OR DAMAGING ANY UTILITIES. DISRUPTION OF UTILITY SERVICE WITH THE UTILITY COMPANIES AFFECTED AT LEAST 24 HOURS PRIOR TO DISRUPTION. REPAIR DAMAGE TO EXISTING UTILITIES AT CONTRACTOR'S EXPENSE.</li> <li>DO NOT ERECT ANY IMPROVEMENTS, FENCES, PLANTINGS, ETC., WITHIN ANY PUBLIC RIGHT OF WAY.</li> <li>PERFORM ALL WORK IN ACCORDANCE WITH SECTION 2024 of the PROPOSED NEW YORK STATE LABOR LAW (CODE RULE 87) KNOWN AS THE "HIGH VOLTAGE PROXIMITY ACT." HIGH VOLTAGE 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 CABLES USED TO SUPPLY POWER TO PORTABLE EQUIPMENT AND INSULATED POWER CABLES ENCLOSED IN APPROVED METALLIC RACEWAYS.</li> <li>POST WARNING SIGNS IN ACCORDANCE WITH THE HIGH VOLTAGE PROXIMITY ACT.</li> <li>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 SUBMISSION OF SHOP DRAWINGS.</li> <li>COORDINATE WORK OF ALL DISCIPLINES (SITE WORK, STRUCTURAL, ELECTRICAL, ETC.) EXISTING CONDITIONS, SPECIAL REQUIREMENTS, CONSTRUCTION SCHEDULE AND OTHER CONTRACTORS PERFORMING WORK AT THE SITE.</li> <li>EXCAVATED MATERIAL MAY BE REUSED UPON APPROVAL BY THE OWNER'S REPRESENTATIVE.</li> <li>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.</li> <li>DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACINGS, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER OR DAMAGE ANY EXISTING STRUCTURAL COMPONENTS, EXISTING APPURTENANCES, OR INSTALLED STRUCTURES OR SYSTEMS.</li> <li>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.</li> <li>FOLLOW GUIDANCE AND INSTRUCTIONS PROVIDED IN THE STORMWATER POLLUTION PREVENTION PLAN, BRING TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION IF CONFLICT OCCURS BETWEEN CONSTRUCTION DOCUMENTS.</li> <li>FINAL PLANT TYPE, HEIGHT AND LOCATION OF PROPOSED VISUAL SCREENING IS SUBJECT TO FINAL LANDSCAPING DESIGN AND MUNICIPAL ORDINANCES.</li> <li>THE COMPONENTS NOTED IN THESE PLANS WERE DESIGNED WITHOUT A GEOTECHNICAL INVESTIGATION. ALL COMPONENTS OF THE CIVIL DESIGN ARE CONSIDERED PRELIMINARY AND ARE SUBJECT TO CHANGE THROUGHOUT THE DESIGN LIFE STAGES.</li> <li>FOLLOW ALL GUIDANCE, RECOMMENDATIONS, AND PROCEDURES FROM THE NEW YORK STATE AG &amp; MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019) OUTLINED ON SHEET C-102.</li> </ol> <p><b>EXISTING CONDITIONS &amp; SURVEY NOTES</b></p> <ol style="list-style-type: none"> <li>SURVEY PROVIDED BY MARQUES &amp; ASSOCIATES, P.C. DATED MARCH 1971, 2024 BASED ON AN INSTRUMENT SURVEY COMPLETELY IN ACCORDANCE WITH THE NEW YORK STATE SURVEYING AND MAPPING LAW.</li> <li>NO EASEMENTS, RESTRICTIONS, ETC. LISTED IN THE TITLE REPORT PROVIDED. NO SEARCH FOR EASEMENTS PERFORMED BEYOND TITLE REPORT PROVIDED.</li> <li>PER MONROE COUNTY REAL PROPERTY, SUBJECT PROPERTIES (PARCEL 1 &amp; PARCEL 2) HAVE ONE (1) - TAX ACCOUNT #1960-02-147-1.</li> <li>THE REFERENCED VERTICAL DATUM IS NAVD83.</li> <li>THE REFERENCED HORIZONTAL DATUM IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM OF 1983. WEST ZONE. TRANSVERSE MERCATOR PROJECTION. NAD 83(2011) UTILIZING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) OBSERVATIONS FROM THE NYSDOT REFERENCE NETWORK CORS STATIONS.</li> <li>THE PROJECT BOUNDARY SURVEY AND TIES TO MONROE COUNTY GEODETIC MONUMENTS WERE MADE USING PROCEDURES NECESSARY TO ACHIEVE A HORIZONTAL ACCURACY OF 1/20,000 OR BETTER AND A NETWORK POSITIONAL ACCURACY AT 95% CONFIDENCE LEVEL NOT EXCEEDING 0.05 FEET.</li> <li>DISTANCES SHOWN ARE CORNER DISTANCES.</li> <li>THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD INFORMATION VISIBLE AT THE TIME OF THE SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPREHEND ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.</li> <li>PROTECT ALL SET MONUMENTS ON AND WITHIN THE PROJECT VICINITY.</li> </ol> <p><b>GENERAL DRAINAGE &amp; GRADING NOTES:</b></p> <ol style="list-style-type: none"> <li>DEWATER THE EXCAVATIONS AS REQUIRED TO MAINTAIN A STABILIZED SOLE.</li> <li>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.</li> <li>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.</li> <li>ALL SEDIMENT LADEN WATER SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE.</li> <li>EARTHWORK QUANTITIES ARE APPROXIMATE AND BASED ON FINAL GRADES (NO TEMPORARY GRADING INCLUDED).</li> <li>CONTACT TO VERIFY FINAL VOLUMES BASED ON SPECIFIC EQUIPMENT AND PROCEDURES USED IN THE FIELD.</li> <li>FIELD VERIFY GRADE TIE INS AND DRAINAGE PATTERS. PROVIDE POSITIVE DRAINAGE WHERE APPROPRIATE TO DIRECT RUNOFF IN APPROPRIATE MANNERS AND VELOCITIES. BRING DISCREPANCIES OF THE TIE INS AND DRAINAGE TO ATTENTION OF ENGINEER.</li> </ol> <p><b>PROJECT CONSTRUCTION SEQUENCING NOTES:</b></p> <ol style="list-style-type: none"> <li>ESTABLISH INITIAL STAGING AND CONSTRUCTION ENTRANCE. ADD CULVERT INLET/OUTLET PROTECTION.</li> <li>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 (E.g. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, LAYDOWN AREAS, 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.</li> <li>PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, INSTALL INLET AND OUTLET PROTECTION MEASURES (RIPRAP OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION, ETC.) AND STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF SEDIMENT CONTROL FEATURES.</li> <li>PERFORM CLEARING &amp; GRUBBING OPERATIONS IN LOCATIONS SHOWN.</li> <li>STRIP AND STOCKPILE TOPSOIL AND COMPENSATE ROUGH GRADING OF ARWAY, ROADS AND DITCHES. IMMEDIATELY STABILIZE WITH TEMPORARY SEED AND MULCH.</li> <li>INSTALL RACKING, ELECTRICAL CONNECTIONS, FENCING AND OTHER STRUCTURES PART OF THE PROJECT PLAN.</li> <li>COMMENCE FINE GRADING OF ROADS, EQUIPMENT AREAS AND STORMWATER FEATURES.</li> <li>RESTORE SOILS THAT HAVE BEEN DISTURBED AND COMPACTED DUE TO CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE PROJECT SWPPP AND WITHIN HYDRAULIC DESIGN. FINISHING INCLUDES DE-COMPACTION, COMPOST ADDITION AND REPLACEMENT OF TOPSOIL.</li> <li>CONDUCT FINAL SEEDING AND INSTALL PERMANENT PLANTINGS; SOEEDING.</li> <li>REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ONCE THE RECEIVING AREAS ARE FULLY STABILIZED.</li> <li>REFER TO THE SWPPP FOR ADDITIONAL SEQUENCING INFORMATION.</li> </ol>	<p><b>EROSION &amp; SEDIMENT CONTROL NOTES:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>CONSTRUCT SOIL EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.</li> <li>STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDUCED TURBANCE.</li> <li>DO NOT DISTURB GREATER THAN 5 ACRES OF SOIL AT ONE TIME. STABILIZE AREAS AS REQUIRED TO MAINTAIN LESS THAN 10% TURBIDITY OF DISCHARGE ACROSS THE ENTIRE SITE.</li> <li>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.</li> <li>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.</li> <li>ERECT SILT FENCE AROUND TEMPORARY SOIL STOCKPILES, REGARDLESS OF EXPOSURE TIME.</li> <li>IF DEWATERING MEASURES ARE USED, PROTECT ADJACENT 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.</li> <li>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.</li> <li>INSPECT AND MAINTAIN ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL MEASURES AS NEEDED AND IN ACCORDANCE WITH THE NYSDOC SPECIES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY. PERMIT NO. GP-20-2001 OR LATEST VERSION APPLICABLE, AND AS SPECIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN.</li> </ol> <p><b>WINTER STABILIZATION:</b></p> <ol style="list-style-type: none"> <li>WINTER STABILIZATION SHALL APPLY TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.</li> <li>MAINTAIN AN AREA FOR STORAGE OF SNOW AND CONTROL OF MELT WATER. STORE CLEARED SNOW IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES.</li> <li>MAINTAIN A MINIMUM 25 FOOT BUFFER FROM ALL PERMITTER CONTROLS. MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK.</li> <li>EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERWAY WITHIN 100 FEET SHALL HAVE 2 ROWS OF SILT FENCE, DISTANCE 3 FEET APART ALONG THE CONTROL.</li> <li>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.</li> <li>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.</li> <li>ROLLED EROSION CONTROL MATS OR MATS SHALL BE USED ON SLOPES 3 HORIZONTAL : 1 VERTICAL OR STEEPER.</li> <li>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 FORECAST OR THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF.</li> <li>IF STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION, APPLY THE MULCH AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHALL BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE.</li> </ol> <p><b>VEGETATIVE COVER SPECIFICATIONS:</b></p> <p><b>SITE PREPARATION:</b></p> <ol style="list-style-type: none"> <li>INSTALL NEEDED WATER AND EROSION CONTROL MEASURES.</li> <li>PREPARE SEEDING BY LOOSENING SOIL TO A DEPTH OF 4 TO 8 INCHES.</li> <li>WHERE GRADING HAS OCCURRED, BRING AREAS TO BE SEED TO DESIRED GRADES USING A MINIMUM OF 4 IN. TOPSOIL.</li> <li>LIME TO PH OF 6.5.</li> <li>FERTILIZE AS PER SOIL TEST. REFER TO SHEET G-102 FOR NEW YORK STATE AG &amp; MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019) STANDARDS.</li> <li>INCORPORATE LIME AND FERTILIZER INTO 2 TO 3 INCHES OF TOPSOIL.</li> <li>REMOVE LARGE STONES, STICKS AND FOREIGN MATTER FROM THE SURFACE.</li> </ol> <p><b>TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION):</b></p> <ol style="list-style-type: none"> <li>REFER TO SHEET G-102 NEW YORK STATE AG &amp; MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019) FOR CONSTRUCTION REQUIREMENTS, SUBPART D FOR SEED TYPES AND APPLICATION RATES.</li> </ol> <p><b>PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):</b></p> <ol style="list-style-type: none"> <li>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, IF THE PRIMARY SEED MIX CANNOT BE OBTAINED, PROVIDE SECONDARY SEED MIX DEPENDANT ON AVAILABILITY.</li> </ol> <p><b>PRIMARY ARRAY AREA SEED MIX</b></p> <table border="1"> <thead> <tr> <th>% OF MIXTURE</th> <th>BOTANICAL NAME</th> <th>COMMON NAME</th> </tr> </thead> <tbody> <tr> <td>15.14</td> <td>FESTUCA RUBRA</td> <td>CHEWING FESCUE</td> </tr> <tr> <td>7.43</td> <td>FESTUCA RUBRA</td> <td>OREOPOND RED FESCUE</td> </tr> <tr> <td>16.29</td> <td>FESTUCA OVINA</td> <td>HARD FESCUE</td> </tr> <tr> <td>20.86</td> <td>POA PRATENSIS</td> <td>KENTUCKY BLUEGRASS</td> </tr> <tr> <td>17.66</td> <td>TRIFOLIUM INCARNATUM</td> <td>CRIMSON CLOVER</td> </tr> <tr> <td>14.63</td> <td>PRUNELLA VILGOSARIS</td> <td>HEAL ALL</td> </tr> <tr> <td>3.17</td> <td>ACHILLEA MILLEFOLIUM OCCIDENTALIS</td> <td>WESTERN YARROW (NATIVE SOURCE)</td> </tr> <tr> <td>10.41</td> <td>TRIFOLIUM REPENS</td> <td>WHITE DUTCH CLOVER</td> </tr> </tbody> </table> <p>100%</p> <p><b>SEEDING RATE:</b></p> <p>SEED AT 15 LBS/ACR WITH 30 LBS/ACR OF A COVER CROP. FOR A COVER CROP, USE EITHER GRAIN OATS (1 LBS/ACR) OR 31-40 LBS/ACR RYE (1 AUG TO 31 DEC).</p> <p><b>SECONDARY ARRAY AREA SEED MIX (TO BE USED IF PRIMARY MIX IS UNAVAILABLE)</b></p> <table border="1"> <thead> <tr> <th>LBS PER ACRE</th> <th>BOTANICAL NAME</th> <th>COMMON NAME</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>MEDICAGO SATIVA</td> <td>ALFALFA</td> </tr> <tr> <td>8</td> <td>BROMUS MADRITENSIS</td> <td>BROMEGRASS</td> </tr> <tr> <td>16</td> <td>PARROT-FOOT TREFLOL</td> <td>PARROT-FOOT TREFLOL</td> </tr> <tr> <td>15</td> <td>TRIFOLIUM PRATENSE</td> <td>RED CLOVER</td> </tr> </tbody> </table> <p><b>IN REFERENCE TO THE NYSDAM FERTILIZING, LIME, AND SEEDING RECOMMENDATIONS FOR RESTORATION OF CONSTRUCTION PROJECTS ON FARMLAND AND IN NEW YORK STATE.</b></p> <p><b>FILTER STRIP NON ARRAY AREA SEED MIX</b></p> <table border="1"> <thead> <tr> <th>% WEIGHT</th> <th>BOTANICAL NAME</th> <th>COMMON NAME</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>FESTUCA RUBRA</td> <td>CHEWING RED FESCUE</td> </tr> <tr> <td>50</td> <td>LULIUM PERENNIS</td> <td>PERENNIAL RYEGRASS</td> </tr> </tbody> </table> <p><b>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 COMPLE. PORTIONS OF THE SEEDING MAY FAIL DUE TO DROUGHT AND HEAT. LATE FALL (END OF AUGUST THROUGH EARLY OCTOBER) IS ALSO AN ADEQUATE TIME TO SEED. RESEED THESE AREAS AS NEEDED TO SATISFACTION OF OWNER AND ENGINEER.</b></p>	% OF MIXTURE	BOTANICAL NAME	COMMON NAME	15.14	FESTUCA RUBRA	CHEWING FESCUE	7.43	FESTUCA RUBRA	OREOPOND RED FESCUE	16.29	FESTUCA OVINA	HARD FESCUE	20.86	POA PRATENSIS	KENTUCKY BLUEGRASS	17.66	TRIFOLIUM INCARNATUM	CRIMSON CLOVER	14.63	PRUNELLA VILGOSARIS	HEAL ALL	3.17	ACHILLEA MILLEFOLIUM OCCIDENTALIS	WESTERN YARROW (NATIVE SOURCE)	10.41	TRIFOLIUM REPENS	WHITE DUTCH CLOVER	LBS PER ACRE	BOTANICAL NAME	COMMON NAME	20	MEDICAGO SATIVA	ALFALFA	8	BROMUS MADRITENSIS	BROMEGRASS	16	PARROT-FOOT TREFLOL	PARROT-FOOT TREFLOL	15	TRIFOLIUM PRATENSE	RED CLOVER	% WEIGHT	BOTANICAL NAME	COMMON NAME	50	FESTUCA RUBRA	CHEWING RED FESCUE	50	LULIUM PERENNIS	PERENNIAL RYEGRASS	<p><b>EARTHWORK:</b></p> <p><b>SUBMITTALS:</b></p> <ul style="list-style-type: none"> <li>NAME OF MATERIAL SUPPLIERS</li> <li>MANUFACTURER'S CERTIFICATE: CERTIFY PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS</li> <li>PRE- AND POST CONSTRUCTION PENETROMETER READINGS FOR PVIOUS ACCESS ROAD</li> </ul> <p><b>PRODUCTS/MATERIALS:</b></p> <ol style="list-style-type: none"> <li>SOL MATERIALS: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATION.</li> <li>SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, SM, OR A, 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.</li> <li>UNSATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GC, SC, ML, MH, CL, CH, OH, OR PT, OR A COMBINATION OF THESE GROUP SYMBOLS.</li> </ol> <p>STRUCTURAL FILL: REFER TO EXCAVATION, BACKFILL AND COMPACTION SPECIFICATIONS IN THE STRUCTURAL SHEETS (WHEN AVAILABLE).</p> <p>UNCLASSIFIED FILL: SATISFACTORY SOIL MATERIALS.</p> <p>BACKFILL AND FILL: SATISFACTORY SOIL MATERIALS.</p> <p>GEOTEXTILE: PRODUCTS AS NOTED ON THE DETAILS.</p> <p>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.</p> <p><b>INSTALLATION:</b></p> <p><b>PREPARATION:</b></p> <p>PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CAUSED BY EARTHWORK OPERATIONS.</p> <p>PROOF ROLL SUBGRADES: BEFORE FILLING OR PLACING AGGREGATE COURSES, DO 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.</p> <p>EXCAVATE FOR STRUCTURES, PAVEMENTS, AND WALKS TO INDICATED ELEVATIONS AND DIMENSIONS. EXTEND EXCAVATIONS FOR PLACING AND REMOVING CONCRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER UTILITIES, AND FOR INSPECTIONS. TRIM BOTTOM TO REQUIRED LINES AND GRASSES TO LEAVE-SLOPE BASE TO RECEIVE OTHER WORK.</p> <p>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 SILL OF PIPE. TRENCH WALLS SHALL BE SHORED OR SLOPED IN ACCORDANCE WITH OSHA REGULATIONS.</p> <p>RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES. BACKFILL AND FILL SHALL NOT BE PLACED ON FROZEN MATERIAL.</p> <p>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 THE ENGINEER.</p> <p><b>BACKFILL:</b></p> <p>PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS.</p> <p>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.</p> <p>STANDARD FILL: SCARIFY AND RECOMPACT THE TOP 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF FILL MATERIAL AT 95% MAXIMUM DRY DENSITY.</p> <p>UNCLASSIFIED FILL: SCARIFY AND RECOMPACT THE TOP 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF FILL MATERIAL AT 90% MAXIMUM DRY DENSITY.</p> <p>UTILITY TRENCH BACKFILL: PLACE, COMPACT, AND SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR PIPES AND CONDUITS OVER ROCK AND OTHER UNLEVELING BEARING SURFACES AND TO FILL UNAUTHORIZED EXCAVATIONS.</p> <p>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.</p> <p><b>COMPACTION:</b></p> <p>SUBGRADE UNDER EQUIPMENT FOUNDATIONS: SUBGRADE SHALL BE COMPACTED IN ACCORDANCE WITH EXCAVATION, BACKFILL AND COMPACTION SPECIFICATIONS IN THE STRUCTURAL SHEETS.</p> <p>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.</p> <p>SUBBASE COMPACTION: COMPACT TYPE CRUSHED STONE FOR THE FULL WIDTH OF FILL LAYER TO A CONDITION OF NON-MOVEMENT UNDER THE COMPACTION EQUIPMENT. COMPACTION ACCEPTANCE WILL BE DETERMINED BY THE FIELD REPRESENTATIVE. NON-MOVEMENT UNDER COMPACTION EQUIPMENT IS DEFINED AS CREATING A STABLE CONDITION OF THE COMPACTED MATERIAL. A STABLE CONDITION OCCURS WHEN THERE IS NO ROLLING, DISPERACEMENT, OR SHEAR WAVE UNDER COMPACTION EQUIPMENT. A SHEAR WAVE IS BUILDING OF THE MATERIAL SURFACE IN FRONT OF AND BEHIND THE COMPACTION EQUIPMENT. MAINTAIN TYPE CRUSHED STONE IN A SURFACE DAMP CONDITION, BUT NOT WET (NO EXCESS MOISTURE) AT THE TIME OF COMPACTION.</p> <p><b>MULCHING:</b></p> <p>1. MULCHING SHALL BE REQUIRED ON ALL SEEDINGS. MULCH WILL REDUCE EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SHALL BE CONTROLLED TO PREVENT SOIL EROSION. MULCHING SHALL BE IN COMPLIANCE WITH THIS MULCHING REQUIREMENT.</p> <p>2. TREES AND GRASS OR HAY MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 85% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE INTO 1,000 SQUARE FOOT SECTIONS AND DISTRIBUTE AT LEAST 30 POUNDS WITH EACH SECTION.</p> <p>3. BROADCAST MULCH ANCHORING SHALL BE COMPLETED 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 DROPS OF GRADES, REMAINING MULCH SHALL BE UNIFORM IN APPEARANCE.</p> <p>4. REFER TO SHEET G-102 SECTIONS 3.1 AND 3.2 FOR MULCHING OF STOCKPILES.</p> <p><b>PRODUCTS:</b></p> <p>MULCH MATERIALS SHALL BE WOOD FIBER APPLIED WITH A HYDROMULCH AT 2000 POUNDS PER ACR, OR IF DRILLING, UNROTATED SMALL GRAIN STRAW OR HAY FREE OF SEEDS, OR SALT HAY APPLIED AT THE RATE OF 2 TONS PER ACR (80 TO 100 POUNDS PER 1,000 SQUARE FEET).</p>	<p><b>ACRONYMS/ABBREVIATIONS:</b></p> <table border="1"> <tr> <td>AG</td> <td>ALTERNATING CURRENT</td> </tr> <tr> <td>AHJ</td> <td>AUTHORITY HAVING JURISDICTION</td> </tr> <tr> <td>APPROX.</td> <td>APPROXIMATE</td> </tr> <tr> <td>ASTM</td> <td>AMERICAN SOCIETY FOR TESTING AND MATERIALS</td> </tr> <tr> <td>ATWS</td> <td>ADDITIONAL TEMPORARY WORK SPACE</td> </tr> <tr> <td>BVCE</td> <td>BALL AND BEARING</td> </tr> <tr> <td>BL</td> <td>BEGIN VERTICAL CURVE ELEVATION</td> </tr> <tr> <td>BVCS CL</td> <td>BEGIN VERTICAL CURVE STATION CENTERLINE</td> </tr> <tr> <td>CMP</td> <td>CORRUGATED METAL PIPE</td> </tr> <tr> <td>DMM</td> <td>DIAMETER</td> </tr> <tr> <td>ELEV.</td> <td>ELEVATION</td> </tr> <tr> <td>EM</td> <td>ENVIRONMENTAL MONITOR</td> </tr> <tr> <td>EOP</td> <td>EDGE OF PAVEMENT</td> </tr> <tr> <td>ETC</td> <td>ET CETERA</td> </tr> <tr> <td>EVCE</td> <td>END VERTICAL CURVE ELEVATION</td> </tr> <tr> <td>FES</td> <td>END VERTICAL CURVE STATION</td> </tr> <tr> <td>FT</td> <td>FLARED END SECTION</td> </tr> <tr> <td>FT</td> <td>FOOT</td> </tr> <tr> <td>GNSS</td> <td>GLOBAL NAVIGATION SATELLITE SYSTEM</td> </tr> <tr> <td>GTD</td> <td>GRADE TO DRAIN</td> </tr> <tr> <td>HDD</td> <td>HORIZONTAL DIRECTIONAL DRILLING</td> </tr> <tr> <td>HDPE</td> <td>HIGH-DENSITY POLYETHYLENE</td> </tr> <tr> <td>IN</td> <td>INCH</td> </tr> <tr> <td>INC.</td> <td>INCORPORATED</td> </tr> <tr> <td>INV</td> <td>INVERT ELEVATION</td> </tr> <tr> <td>LBS</td> <td>POUNDS</td> </tr> <tr> <td>LF</td> <td>LINEAR FEET</td> </tr> <tr> <td>LOD</td> <td>LIMITS OF DISTURBANCE</td> </tr> <tr> <td>LVC</td> <td>LENGTH OF VERTICAL CURVE</td> </tr> <tr> <td>MPH</td> <td>MILES PER HOUR</td> </tr> <tr> <td>NF</td> <td>NOW OR FORMALLY</td> </tr> <tr> <td>NOI</td> <td>NUMBER</td> </tr> <tr> <td>N.T.S.</td> <td>NOT TO SCALE</td> </tr> <tr> <td>NSDAM</td> <td>NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS</td> </tr> <tr> <td>NYSDOC</td> <td>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION</td> </tr> <tr> <td>NYSDOT</td> <td>NEW YORK STATE DEPARTMENT OF TRANSPORTATION</td> </tr> <tr> <td>O.C.</td> <td>ON CENTER</td> </tr> <tr> <td>ONE</td> <td>OVERHEAD ELECTRIC</td> </tr> <tr> <td>OSHA</td> <td>OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION</td> </tr> <tr> <td>PSI</td> <td>POUNDS PER SQUARE INCH</td> </tr> <tr> <td>PV</td> <td>PHOTOVOLTAIC</td> </tr> <tr> <td>PVI</td> <td>POINT OF VERTICAL INTERSECTION</td> </tr> <tr> <td>PVC</td> <td>POLYVINYL CHLORIDE</td> </tr> <tr> <td>RCP</td> <td>REINFORCED CONCRETE PIPE</td> </tr> <tr> <td>RGE</td> <td>ROOFTOP GAS AND ELECTRIC</td> </tr> <tr> <td>R.M.S.</td> <td>RIGHT-OF-WAY</td> </tr> <tr> <td>ROW</td> <td>STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM</td> </tr> <tr> <td>SPDES</td> <td>STATION</td> </tr> <tr> <td>STA</td> <td>SO FT</td> </tr> <tr> <td>SWPP</td> <td>STORMWATER POLLUTION PREVENTION PLAN</td> </tr> <tr> <td>TA</td> <td>TAX MAP NUMBER</td> </tr> <tr> <td>TAF</td> <td>TO BE DETERMINED</td> </tr> <tr> <td>TBD</td> <td>TO BE DETERMINED</td> </tr> <tr> <td>TOP</td> <td>TYPICAL</td> </tr> <tr> <td>USE</td> <td>UNDERGROUND ELECTRIC</td> </tr> <tr> <td>USACE</td> <td>UNITED STATES ARMY CORPS OF ENGINEERS</td> </tr> </table>	AG	ALTERNATING CURRENT	AHJ	AUTHORITY HAVING JURISDICTION	APPROX.	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**NY CDG MONROE 3 LLC**  
**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14487

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

SHEET TITLE:  
**CIVIL NOTES**

SHEET SIZE:  
**ANSI "D" FULL BLEED  
22" X 34" (559 X 864)**

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

NOT FOR CONSTRUCTION

DATE: 07/12/2024  
 DRAWN BY: R. DEMILIO  
 ENGINEER: R. DEMILIO  
 APPROVED BY: R. CHOZCK

PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: AS SHOWN

SHEET NO.: **G-101**

Printed: 7/11/2024, 2:15 PM X:\NEW Solar\05 - Monroe 3\05-Civil Design\01-MONROE 3 - C-100 CIVIL TITLE SHEET - C-101 NOTES.dwg

**NEW YORK STATE AG & MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019)**

**CONSTRUCTION REQUIREMENTS:**

- BEFORE ANY TOPSOIL IS STRIPPED, REPRESENTATIVE SOIL SAMPLES SHOULD BE OBTAINED FROM THE AREAS INTENDED TO BE DISTURBED DURING THE PROJECT. THE SOIL SAMPLING SHOULD BE IN ACCORDANCE WITH CORNELL UNIVERSITY'S SOIL TESTING GUIDELINES, AND SAMPLES SHOULD BE SUBMITTED TO A LABORATORY THAT TESTS FOR PH, PERCENT ORGANIC MATTER, CATION EXCHANGE CAPACITY, PHOSPHORUS (P), AND POTASSIUM (K). THE RESULTS WILL ESTABLISH A BENCHMARK AND THE SOIL CHARACTERISTICS MENTIONED PREVIOUSLY ARE TO BE MEASURED USING THE SAME METHOD ONCE SOIL IS RESTORED.
- IF SOIL SAMPLING IS NOT PERFORMED FOLLOW THE BELOW RECOMMENDATIONS FROM THE NEW YORK STATE DEPARTMENT OF AGRICULTURES' FERTILIZING, LIME, AND SEEDING RECOMMENDATIONS FOR RESTORATION OF CONSTRUCTION PROJECTS ON FARMLAND IN NEW YORK STATE:
  - FERTILIZER RESEEDING FOR DISTURBED AREAS
    - ESTABLISHMENT OF LEGUMES OR LEGUME AND GRASS SEED MIXES - IF SOIL TEST RESULTS ARE NOT AVAILABLE, APPLY 300 LBS PER ACRE OF 10-20-20 (10 LBS NITROGEN, 20 LBS PHOSPHORUS, AND 20 LBS OF POTASSIUM PER 100 LBS OF FERTILIZER) OR 600 LBS PER ACRE OF 5-10-10.
    - ESTABLISHMENT OF GRASS HAYLAND AND GRASS PASTURE - IF SOIL TEST RESULTS ARE NOT AVAILABLE, APPLY 400 LBS PER ACRE OF 10-10-10.
  - FERTILIZER FOR TEMPORARY SEEDING OF EXPOSED SUBSOIL CONSTRUCTION WORK SURFACE
    - FERTILIZER IS NOT RECOMMENDED FOR TEMPORARY SEED COVER ON THE TOPSOIL STOCKPILE, BUT IS STRONGLY ADVISED ON THE EXPOSED SUBSURFACE SOIL. THE SURFACE OF THE EXPOSED SUBSOIL SHOULD BE FERTILIZED WITH 200 LBS PER ACRE OF 10-20-20 PRIOR TO TEMPORARY SEEDING.
- AGRICULTURAL LIME
  - APPLY A MINIMUM RATE OF 3 TONS AGRICULTURAL LIME PER ACRE FOR MOST PERMANENT SEEDINGS IN NATURALLY LOW-LIME SOILS (SOUTHERN TIER/NORTHERN ALLEGHENY PLATEAU); A HEAVIER AMOUNT WILL BE APPLIED % SO INDICATED FROM PH TEST RESULTS. USE LOWER LIME RATES ON NATURALLY HIGH-LIME SOILS BASED ON SITE SPECIFIC SOIL PH TEST AND FARM RECORD OF RECENT LIME APPLICATION (CENTRAL PLAINS/NORTHERN HALF OF FINGER LAKES REGION).
  - APPLICATION RATES FOR PELLETIZED AND AGRICULTURAL LIME ARE THE SAME IN TONS PER ACRE; HOWEVER, PELLETIZED LIME IS EASIER TO HANDLE AND REACTS TO THE SOIL QUICKER (DO NOT USE "LIQUID LIME" ON AGRICULTURAL LAND).
- TEMPORARY COVER
  - TOPSOIL STOCKPILE - TOPSOIL THAT IS STRIPPED AND STOCKPILED IN LATE SPRING TO MID SUMMER SHOULD BE SEEDED WITH EITHER OATS (80 LBS PER ACRE) OR ARCHAIC WHEAT (ACROSS 100 LBS PER ACRE) LIGHT TO MODERATE APPLICATION (1500-2000 LBS PER ACRE) OF WHEED-FREE STRAW OR HAY MULCH MAY BE NECESSARY TO RETAIN SOIL MOISTURE. FOR LARGE STOCKPILES, IT MAY BE NECESSARY TO GRADE THE SURFACE OF THE STOCKPILE USING SMALL, LIGHT-WEIGHT EQUIPMENT TO ACHIEVE A UNIFORM SEED APPLICATION. GRADING OF THE STOCKPILE SHOULD BE DONE ON A LIMITED BASIS AND SHOULD BE MINIMIZED TO PREVENT COMPACTION.
  - EXPOSED CONSTRUCTION SURFACE (SUBSOIL) - IF SEEDING BEFORE THE END OF OCTOBER APPLY ARCHAIC WHEED-FREE STRAW AT THE RATE OF 150 LBS PER ACRE IF A BROADCAST SEEDER IS USED. (OR 100LBS SEEDER IS USED). THE SURFACE OF THE EXPOSED SUBSOIL SHOULD BE SCARIFIED, GENERALLY PARALLEL TO THE SLOPE'S CONTOURS IF POSSIBLE, AND FERTILIZED PRIOR TO TEMPORARY SEEDING. APPLY WHEED-FREE STRAW OR HAY MULCH AT A RATE OF 100 LBS PER ACRE AFTER SEEDING.
  - WINTERIZATION - WHEN CONSTRUCTION ACTIVITY IS BEING SUSPENDED AND THE AREA IS BEING STABILIZED FOR THE WINTER WITH TEMPORARY SEEDING BEING APPLIED BETWEEN THE MIDDLE OF SEPTEMBER AND LATE OCTOBER, ANY TOPSOILS AND EXPOSED WORK SURFACES (SUBSOIL) SHOULD BE SEEDED WITH ARCHAIC WHEED-FREE STRAW AT THE RATE OF 150 LBS PER ACRE IF USING A BROADCAST SEEDER OR 100 LBS PER ACRE IF USING A DRILL SEEDER.
- MONITORING AND FOLLOW UP
  - RESTORED CONSTRUCTION AREAS MUST BE MONITORED FOR NO LESS THAN TWO FULL GROWING SEASONS AFTER INITIAL PERMANENT SEEDING IS COMPLETED. SURFACE SOIL MOISTURE CONDITIONS MAY NOT BE FAVORABLE AT THE TIME OF SEEDING AND DURING THE EARLY GROWTH STAGE. AS A RESULT, SEEDINGS MAY NOT INSTANTLY BE ABLE TO PLANT VIGOR AND OVERSPLATATION OF WEEDS, SEEDINGS ARE SATISFACTORY IF THE PLANT DENSITY AND PLANT VIGOR ARE EQUAL TO OR BETTER THAN ADJACENT UNDISTURBED AREAS. IF AN OVERGROWTH OF WEEDS EXIST, CONTROL MEASURES SHOULD BE IMPLEMENTED TO MINIMIZE WEED COMPETITION.
  - IF IT IS NECESSARY TO TOPDRESS HAYLAND AND PASTURE WITH FERTILIZER TO IMPROVE THE PLANT STAND, IT IS BEST TO HAVE THE SOIL TESTED TO DETERMINE THE APPROPRIATE FERTILIZER APPLICATION RATE. IF SOIL TEST INFORMATION IS NOT AVAILABLE, APPLY A MINIMUM OF 50 LBS OF NITROGEN, 10 LBS OF PHOSPHORUS, AND 50 LBS OF POTASSIUM PER ACRE.
- STRIPPED TOPSOIL SHOULD BE STOCKPILED FROM WORK AREAS (E.G. PARKING AREAS, ELECTRIC CONDUCTOR TRENCHES, ALONG ACCESS ROADS, AND EQUIPMENT PADS) AND KEPT SEPARATE FROM OTHER EXCAVATED MATERIAL (ROCK AND/OR SUB SOIL) UNTIL THE COMPLETION OF THE FACILITY FOR FINAL RESTORATION. FOR PROPER TOPSOIL SEGREGATION, AT LEAST 25 FEET OF ADDITIONAL TEMPORARY WORKSPACE (ATVMS) MAY BE NEEDED ALONG "OPEN CUT" UNDERGROUND UTILITY TRENCHES. ALL TOPSOIL WILL BE STOCKPILED AS CLOSE AS IS REASONABLY PRACTICAL TO THE AREA WHERE STRIPPED AND REMOVED AND SHALL BE USED FOR RESTORATION ON THAT PARTICULAR AREA. ANY TOPSOIL REMOVED FROM PERMANENTLY CONVERTED AGRICULTURAL AREAS (E.G. PERMANENT ROADS, ETC.) SHOULD BE TEMPORARILY STOCKPILED AND EVENTUALLY SPREAD EVENLY IN ADJACENT AGRICULTURAL AREAS WITHIN THE PROJECT'S LIMITS OF DISTURBANCE (LOD); HOWEVER NOT TO SIGNIFICANTLY ALTER THE HYDROLOGY OF THE AREA. CLEARLY DESIGNATE TOPSOIL STOCKPILE AREAS AND TOPSOIL DISPOSAL AREAS IN THE FIELD AND ON CONSTRUCTION DRAWINGS; CHANGES OR ADDITIONS TO THE DESIGNATED STOCKPILE AREAS MAY BE NEEDED BASED ON FIELD CONDITIONS.
  - TOPSOIL STOCKPILES ON AGRICULTURAL AREAS LEFT IN PLACE PRIOR TO OCTOBER 31ST SHOULD BE SEEDED WITH ARCHAIC WHEED-FREE STRAW OR EQUIVALENT AT AN APPLICATION RATE OF THREE BALES PER ACRE (160 LBS) PER ACRE AND MULCHED WITH STRAW MULCH AT A RATE OF TWO TO THREE BALES PER 1000 SQ. FT.
  - TOPSOIL STOCKPILES LEFT IN PLACE BETWEEN OCTOBER 31ST AND MAY 31ST SHOULD BE MULCHED WITH STRAW AT A RATE OF TWO TO THREE BALES PER 1000 SQ. FT. TO PREVENT SOIL LOSS.
- DO NOT ALLOW VEHICLES OR EQUIPMENT OUTSIDE THE PLANNED LOD WITHOUT THE EM SEEKING PRIOR APPROVAL FROM THE LANDOWNER (AND/OR AGRICULTURAL PRODUCER) AND ASSOCIATED PERMIT AMENDMENTS AS NECESSARY. LIMIT ALL VEHICLE AND EQUIPMENT TRAFFIC, PARKING, AND MATERIAL STORAGE TO THE ACCESS ROAD AND/OR DESIGNATED WORK AREAS, SUCH AS LAYDOWN AREAS, WITH THE EXCEPTION OF LOW-GROUND PRESSURE EQUIPMENT.
  - WHERE REPEATED TEMPORARY ACCESS IS NECESSARY ACROSS PORTIONS OF AGRICULTURAL AREAS OUTSIDE OF THE SECURITY FENCE, PREPARATION FOR SUCH ACCESS SHOULD CONSIDER EITHER STRIPPING/STOCKPILING ALL TOPSOIL LINEARLY ALONG THE ACCESS ROAD, OR PROVIDE TIMBER MATTING.
- PROPOSED PERMANENT ACCESS SHOULD BE ESTABLISHED AS SOON AS POSSIBLE BY REMOVING TOPSOIL ACCORDING TO THE DEPTH OF TOPSOIL AS DIRECTED BY THE EM. ANY EXTRA TOPSOIL REMOVED FROM PERMANENTLY CONVERTED AREAS (E.G. PERMANENT ROADS, EQUIPMENT PADS, ETC.) SHOULD BE TEMPORARILY STOCKPILED AND EVENTUALLY SPREAD EVENLY IN ADJACENT AREAS WITHIN THE PROJECT LOD; HOWEVER NOT TO SIGNIFICANTLY ALTER THE HYDROLOGY OF THE AREA.
  - WHEN OPEN CUT TRENCHING IS PROPOSED, TOPSOIL STRIPPING IS REQUIRED FROM THE WORK AREA ADJACENT TO THE TRENCH (INCLUDING SEGREGATED STOCKPILE AREAS AND EQUIPMENT ACCESS). TRENCHER OR ROAD SAW LIME EQUIPMENT ARE NOT ALLOWED FOR TRENCH EXCAVATION IN AGRICULTURAL AREAS, AS THE EQUIPMENT DOES NOT SEGREGATE TOPSOIL FROM SUBSOIL. HORIZONTAL DRILLING (HOD) OR EQUIVALENT INSTALLATION THAT DOES NOT DISRUPT THE SOIL PROFILE, MAY LIMIT AGRICULTURAL GROUND DISTURBANCES. ANY HOD FLUID (ADVERTENTLY DISCHARGED) MUST BE REMOVED FROM AGRICULTURAL AREAS. NARROW OPEN TRENCHES LESS THAN 25 FEET LONG INVOLVING A SINGLE DIRECTLY BURIED CONDUCTOR OR CONDUIT (AS REQUIRED) TO CONNECT SHORT ROWS WITHIN THE ARRAY, ARE EXEMPT FROM TOPSOIL SEGREGATION.
- ELECTRIC CONNECTION, COMMUNICATION AND TRANSMISSION LINES INSTALLED ABOVE GROUND CAN CREATE LOW TERM INTERFERENCE WITH MECHANIZED FARMING ON AGRICULTURAL LAND. THIS INTERCONNECTION CONDUCTORS OUTSIDE OF THE PROJECT MUST BE BURIED IN AGRICULTURAL FIELDS WHEREVER PRACTICABLE. WHERE OVERHEAD UTILITY LINES ARE REQUIRED, INCLUDING PORTALS OF INTERCONNECTION, INSTALLATION MUST BE LOCATED OUTSIDE FIELD BOUNDARIES OR ALONG PERMANENT ACCESS ROADS) WHEREVER POSSIBLE. WHEN OVERHEAD UTILITIES MUST CROSS FARMLAND, MINIMIZE AGRICULTURAL IMPACTS BY USING TALLER STRUCTURES THAT PROVIDE LONGER SPANNING DISTANCES AND LOCATE POLES ON FIELD EDGES TO THE GREATEST EXTENT PRACTICABLE.
  - ALL BURIED UTILITIES LOCATED WITHIN THE GENERATION FACILITY'S SECURITY FENCE MUST HAVE A MINIMUM DEPTH OF 18-INCHES OF COVER IS BURIED IN A CONDUIT AND A MINIMUM OF 24-INCHES OF COVER IF DIRECTLY BURIED (E.G. NOT ROUTED IN A CONDUIT).
- THE FOLLOWING REQUIREMENTS APPLY TO ALL BURIED UTILITIES LOCATED OUTSIDE OF THE GENERATION FACILITY SECURITY FENCE:
  - IN CROPLAND, HAYLAND, AND IMPROVED PASTURE, BURIED ELECTRIC CONDUCTORS MUST HAVE A MINIMUM DEPTH OF 48-INCHES OF COVER. IN AREAS WHERE THE DEPTH OF SOIL OVER BEDROCK IS LESS THAN 48-INCHES, THE ELECTRIC CONDUCTORS MUST BE BURIED BELOW THE SURFACE OF THE BEDROCK IF FRAGMENTABLE, OR AS NEAR AS POSSIBLE TO THE SURFACE OF THE BEDROCK.
  - IN UNIMPROVED GRASSLANDS OR ON LAND PERMANENTLY DEVOTED TO PASTURE, THE MINIMUM DEPTH OF COVER MUST BE 36-INCHES.
  - WHERE ELECTRICAL CONDUCTORS ARE BURIED DIRECTLY BELOW THE GENERATION FACILITY'S ACCESS ROAD OR IMMEDIATELY ADJACENT (AT ROAD EDGE) TO THE ACCESS ROAD, THE MINIMUM DEPTH OF COVER MUST BE 24-INCHES. CONDUCTORS MUST BE CLOSE ENOUGH TO THE ROAD EDGE AS TO NOT BE SUBJECT TO AGRICULTURAL CULTIVATION SUB-SOILING.
- WHEN BURIED UTILITIES ALTER THE NATURAL STRATIFICATION OF SOIL HORIZONS AND NATURAL SOIL DRAINAGE PATTERNS, RECTIFY THE EFFECTS WITH MEASURES SUCH AS SUBSURFACE INTERCEPT DRAIN LINES. CONSULT THE LOCAL SOIL AND WATER CONSERVATION DISTRICT CONCERNING THE TYPE OF INTERCEPT DRAIN LINES TO INSTALL TO PREVENT SUBSURFACE SEEPAGE AND TO MAINTAIN THE SATURATION CAPACITY OF THE SOIL. IN THE ZONE AND ADJACENT AREAS, INSTALL AND/OR REPAIR ALL DRAIN LINES ACCORDING TO NATURAL RESOURCES CONSERVATION SERVICE CONSERVATION PRACTICE STANDARDS AND SPECIFICATIONS. DRAIN LINES MUST MEET OR EXCEED THE ASHSTO M-252 SPECIFICATIONS. REPAIR OF SUBSURFACE DRAIN LINES SHOULD BE CONSISTENT WITH THE DESIGN DETAILS FOR REPAIR OR REVED THE LIME FOUND IN THE PIPELINE DRAWING AS A DETAIL CAN BE FOUND AT [HTTP://WWW.AGRICULTURE.NY.GOV](http://www.agriculture.ny.gov).
- IN PASTURE AREAS, IT MAY BE NECESSARY TO CONSTRUCT TEMPORARY FENCING (IN ADDITION TO THE PROJECT'S PERMANENT SECURITY FENCE) AROUND WORK AREAS TO PREVENT LIVESTOCK ACCESS TO ACTIVE CONSTRUCTION AREAS AND AREAS TO BE RESTORED. FOR AREAS RETURNING TO PASTURE, TEMPORARY FENCING WILL BE REQUIRED TO DELAY THE PASTURING OF LIVESTOCK WITHIN THE RESTORED PORTION OF THE LOD AS WELL AS NOTED ON THE CONSTRUCTION DRAWINGS. THE PROJECTS OWNER/ OPERATOR WILL BE RESPONSIBLE FOR MAINTAINING THE TEMPORARY FENCING UNTIL THE EM DETERMINES THAT THE VEGETATION IN THE RESTORED AREAS IS ESTABLISHED AND ABLE TO ACCOMMODATE GRAZING. AT SUCH TIME, THE PROJECT OWNER/ OPERATOR SHOULD BE RESPONSIBLE FOR REMOVAL OF THE TEMPORARY FENCES.


**NEW YORK STATE AG & MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019)**

**POST CONSTRUCTION RESTORATION REQUIREMENTS APPLICABLE TO CONTINUED USE AGRICULTURAL AREAS THAT SUFFERED GROUND DISTURBANCE DUE TO CONSTRUCTION ACTIVITIES (TYPICALLY LINES OUTSIDE OF THE DEVELOPED PROJECT'S SECURITY FENCE).**


- ALL CONSTRUCTION DEBRIS IN ACTIVE AGRICULTURAL AREAS INCLUDING PIECES OF WIRE, BOLTS, AND OTHER UNUSED METAL OBJECTS WILL NEED TO BE REMOVED FROM THE PROJECT LOD. WHERE REMOVAL OF SUCH MATERIAL IS NOT FEASIBLE OR AS PRACTICAL, TO PREVENT COMING WITH ANY TOPSOIL.
- EXCESS CONCRETE WILL NOT BE BURIED OR LEFT ON THE SURFACE IN ACTIVE AGRICULTURAL AREAS. CONCRETE TRUCKS WILL BE WASHED OUTSIDE OF ACTIVE AGRICULTURAL AREAS. REMOVE ALL EXCESS SUBSOIL AND ROCK UNearthED FROM CONSTRUCTION RELATED ACTIVITIES OCCURRING IN AREAS INTENDED FOR RESTORATION TO THE SURFACE OF SUCH MATERIAL IS NOT PERMISSIBLE IN ACTIVE AGRICULTURAL AREAS. DESIGNATED DISPOSAL LOCATIONS SHOULD BE SPECIFIED IN THE ASSOCIATED CONSTRUCTION PLANS. IF LANDOWNER AGREEMENTS, LOD BOUNDARY OR PROJECTS LAND USE APPROVALS DO NOT ALLOW FOR ON-SITE DISPOSAL, MATERIAL MUST BE REMOVED FROM THE SITE.
- EXCESS STRIPPED TOPSOIL SHALL NOT BE UTILIZED FOR FILL WITHIN THE PROJECT AREA. ANY EXTRA TOPSOIL REMOVED FROM PERMANENTLY IMPACTED AREAS (E.G. ROADS, EQUIPMENT PADS, ETC.) SHOULD BE EVENLY SPREAD IN ADJACENT AGRICULTURAL PROJECT AREAS, HOWEVER NOT TO SIGNIFICANTLY ALTER THE HYDROLOGY OF THE AREA.
- REGRADE ALL ACCESS ROADS OUTSIDE OF THE SECURITY FENCING (AS DEEMED NECESSARY BY THE EM), TO ALLOW FOR FARM EQUIPMENT CROSSING AND RESTORE ORIGINAL SURFACE DRAINAGE PATTERNS, OR OTHER DRAINAGE PATTERN INCORPORATED INTO THE DESIGN.
- REPAIR ALL SURFACE OR SUBSURFACE DRAINAGE STRUCTURES DAMAGED DURING CONSTRUCTION AS CLOSE TO THE PRECONSTRUCTION CONDITION AS POSSIBLE. UNLESS SAID STRUCTURES ARE TO BE REMOVED AS PART OF THE PROJECT DESIGN, CORRECT ANY SURFACE OR SUBSURFACE DRAINAGE PROBLEMS RESULTING FROM CONSTRUCTION OF THE PROJECT WITH THE APPROPRIATE MITIGATION AS DETERMINED BY THE EM, LANDOWNER, AND OTHER REGULATORY AGENCY.
- ON AGRICULTURAL LAND NEEDING RESTORATION BECAUSE OF GROUND DISTURBANCE, POSTPONE ANY RESTORATION PRACTICES UNTIL FAVORABLE (WORKABLE, RELATIVELY DRY) TOPSOIL/SUBSOIL CONDITIONS EXIST. RESTORATION MUST NOT BE CONDUCTED WHILE SOILS ARE IN A WET OR PLASTIC STATE OF CONSISTENCY. STOCKPILED TOPSOIL MUST NOT BE REGRADED, AND SUBSOIL MUST NOT BE DECOMPACTION UNtil PLASTICITY, AS DETERMINED BY THE ATTERBERG FIELD TEST, IS ADEQUATELY REDUCED. NO PERMANENT PROJECT RESTORATION ACTIVITIES SHALL OCCUR IN AGRICULTURAL AREAS BETWEEN THE MONTHS OF OCTOBER THROUGH MAY UNLESS FAVORABLE SOIL CONDITIONS EXIST.
- IN ALL CONTINUED USE AGRICULTURAL LAND WHERE THE TOPSOIL WAS STRIPPED, SUBSOIL DECOMPACTION SHALL BE CONDUCTED PRIOR TO TOPSOIL REPLACEMENT. FOLLOWING CONSTRUCTION, ALL SUCH AREAS WILL BE DECOMPACTION TO A DEPTH OF 18-INCHES WITH A TRACTOR MOUNTED DEEP RIPPER OR HEAVY DUTY CHISEL PLOW. SOIL COMPACTION RESULTS SHALL BE NO MORE THAN 200 LBS. PER SQUARE INCH (PSI) THROUGHOUT THE DECOMPACTION 18-INCHES AS MEASURED WITH A SOIL PENETROMETER. FOLLOWING DECOMPACTION, ALL ROCK FOUR INCHES AND LARGER IN SIZE UNearthED FROM DECOMPACTION SHALL BE REMOVED FROM THE SURFACE OF THE SUBSOIL PRIOR TO REPLACEMENT OF THE TOPSOIL. SUBSOIL DECOMPACTION AND TOPSOIL REPLACEMENT MUST BE AVOIDED AFTER OCTOBER 1ST UNLESS NECESSARY. DECOMPACTION SHALL BE CONDUCTED BY THE LANDOWNER IN CONSULTATION WITH NYSDAM. ALL PARTIES INVOLVED MUST BE COGNIZANT THAT AREAS RESTORED AFTER OCTOBER 1ST MAY NOT OBTAIN SUFFICIENT GROWTH FOR STABILIZATION TO PREVENT EROSION OVER THE WINTER MONTHS. IF AREAS ARE TO BE RESTORED AFTER OCTOBER 1ST, NECESSARY PROVISIONS MUST BE MADE TO PREVENT POTENTIAL SPRINGTIME EROSION, AS WELL AS RESTORE ANY ERODED AREAS IN THE SPRINGTIME. TO ESTABLISH PROPER GROWTH, EXCESS STRIPPED TOPSOIL SHALL BE EVENLY SPREAD IN THE ADJACENT PROJECT AREAS, OR ADJACENT AGRICULTURAL AREAS (WITHIN THE LOD).
- IN ALL CONTINUED USE AGRICULTURAL AREAS WHERE THE TOPSOIL WAS NOT STRIPPED, INCLUDING TIMBER MATTED AREAS, THE EM SHALL DETERMINE APPROPRIATE ACTIVITIES TO RETURN THE AREA TO AGRICULTURAL USE. THESE ACTIVITIES MAY INCLUDE DECOMPACTION, ROCK REMOVAL, AND REVEGETATION. SOIL COMPACTION SHOULD BE TESTED IN THE AFFECTED AREAS AND THE AFFECTED AREAS ADJACENT TO UNDISTURBED AREAS USING A SOIL PENETROMETER AS SOON AS SOILS ACHIEVE MOISTURE EQUILIBRIUM WITH ADJACENT UNIMPACTED AREAS. COMPACTION TESTS WILL BE MADE AT SHALL BE CONDUCTED AT REGULAR INTERVALS OF DISTANCE THROUGHOUT THE AFFECTED AREAS, INCLUDING EACH SOIL TYPE IDENTIFIED WITHIN THE AFFECTED AREA. SHALL BE MEASURED PRIOR TO RESTORATION. SOIL PENETROMETER NOT EXCEEDING MORE THAN 500 LBS PER SQUARE INCH. RECORD AND REPORT PRObing DEPTHS OF BOTH THE AFFECTED AND UNIMPACTED AREAS, WHERE REPRESENTATIVE SOIL DENSITY OF THE AFFECTED AREAS COLLECTIVE DEPTH MEASUREMENTS PRESENT COMPACTION RESTRICTIONS EXCEEDING AND ACCEPTABLE DEVIATION OF NO MORE THAN 20% FROM THE ADJACENT UNDISTURBED AREAS MEAN SOIL DENSITY. ADDITIONAL DECOMPACTION MAY BE REQUIRED TO A DEPTH OF 18 INCHES WITH A TRACTOR MOUNTED DEEP RIPPER OR HEAVY DUTY CHISEL PLOW. FOLLOWING DECOMPACTION, REMOVE ALL ROCKS UNearthED FROM DECOMPACTION ACTIVITIES FOUR INCHES AND LARGER IN SIZE FROM THE SURFACE. REVEGETATION SHALL BE PERFORMED IN ACCORDANCE WITH THE INSTRUCTIONS BELOW.
  - SEED ALL AGRICULTURAL AREAS FROM WHICH THE VEGETATION WAS REMOVED OR DESTROYED WITH THE SEED MIX SPECIFIED BY THE LANDOWNER/ AGRICULTURAL PRODUCER OR AS OTHERWISE RECOMMENDED IN THE NYSDAM FERTILIZING, LIME AND SEEDING SECTION 2 OF THE CONSTRUCTION REQUIREMENTS (THIS SHEET).
  - SOIL AMENDMENTS SHOULD BE APPLIED AS NECESSARY SO THAT RESTORED AGRICULTURAL AREAS' SOIL PROPERTIES, AT A MINIMUM, REASONABLE REFLECT THE PRE-CONSTRUCTION SOIL TEST RESULTS OR AS OTHERWISE AGREED TO BY THE INVOLVED PARTIES TO ENSURE CONTINUED AGRICULTURAL USE. ALL PARTIES MUST BE COGNIZANT THAT AREAS RESTORED AFTER OCTOBER 1ST MAY NOT OBTAIN SUFFICIENT GROWTH TO PREVENT EROSION OVER THE WINTER MONTHS. IF AREAS ARE TO BE RESTORED AFTER OCTOBER 1ST, NECESSARY PROVISIONS MUST BE MADE TO RESTORE AND OR RE-SEED ANY ERODED OR POORLY GERMINATED AREAS IN THE SPRINGTIME TO ESTABLISH GROWTH.

**MONITORING AND REMEDIATION:**

- PROJECT OWNER/ OPERATOR SHALL PROVIDE A MONITORING AND REMEDIATION PERIOD OF ONE COMPLETE GROWING SEASON FOLLOWING THE DATE UPON WHICH THE DESIRED CROP IS PLANTED. ALL PROJECTS SUBJECT TO NYS PUBLIC SERVICE LAW ARTICLE 10 WILL PROVIDE A MONITORING PERIOD OF TWO COMPLETE GROWING SEASONS FOLLOWING THE DATE UPON WHICH THE PROJECT ACHIEVED THE ESTABLISHMENT OF THE DESIRED CROP.
- ON SITE MONITORING SHALL BE CONDUCTED SEASONALLY AT LEAST THREE TIMES DURING THE GROWING SEASON (SPRING, SUMMER, FALL). MONITORING IS REQUIRED TO IDENTIFY ANY REMAINING IMPACTS DIRECTLY ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT ON AGRICULTURAL LANDS PROPOSED TO REMAIN OR RESUME AGRICULTURAL PRODUCTION, INCLUDING THE EFFECTS OF CLIMATIC CYCLES SUCH AS FROST ACTION, PRECIPITATION AND GROWING SEASONS TO OCCUR, FROM WHICH VARIOUS MONITORING OBSERVATIONS CAN BE MADE. NYSDAM EXPECTS THE PROJECT OWNER/ OPERATOR (OR ITS CONTRACTOR) TO RETAIN THE EM FOR FOLLOW UP MONITORING AND REMEDIATION (AS NEEDED) IN AGRICULTURAL AREAS. MONITORING IS LIMITED TO THE RESTORED AGRICULTURAL AREA. NON-PROJECT RELATED IMPACTS AFFECTING THE RESTORED PROJECT AREA WILL BE DISCUSSED WITH NYSDAM STAFF AND CONSIDERED FOR OMISSION FROM FUTURE MONITORING AND REMEDIATION.
  - THE EM IS EXPECTED TO RECORD THE FOLLOWING OBSERVATIONS FROM ON-SITE INSPECTIONS:
    - TOPSOIL THICKNESS AND TRENCH SETTING - THE EM OBSERVATIONS MAY REQUIRE SMALL HAND DUG HOLES TO OBSERVE THE PERCENTAGE OF SETTLED TOPSOIL IN AREAS WHERE THE TOPSOIL WAS STRIPPED, OR TRENCHING WAS PERFORMED WITHOUT STRIPPING TOPSOIL. OBSERVATIONS CONCERNING DEPTH OF TOPSOIL DEVIATIONS SHALL REQUIRE FURTHER REMEDIATION BY RE-APPROPRIATING ADDITIONAL TOPSOIL. ACCEPTABLE MATERIALS FOR REMEDIATION ARE: KNOWN AREAS OF NATIVE EXCESS TOPSOIL (ACCORDING TO RECORDS OF PROJECT SPECIFIC EXCESS TOPSOIL DISPOSAL SPREAD WITHIN THE ORIGINAL LOD) OR IMPORTED TOPSOIL FREE OF INVASIVE SPECIES THAT IS CONSISTENT WITH THE QUALITY OF TOPSOIL ON THE AFFECTED SITE.
    - EXCESSIVE ROCK (>4-INCHES) - DETERMINED BY A VISUAL INSPECTION OF DISTURBED AREAS AS COMPARED TO UNIMPACTED PORTIONS OF THE SAME FIELD LOCATED OUTSIDE THE CONSTRUCTION AREA. OBSERVATIONS CONCERNING EXCESS STONE MATERIAL IN COMPARISON TO OFF-SITE CONDITIONS SHALL REQUIRE FURTHER REMEDIATION INCLUDING REMOVAL AND DISPOSAL OF ALL EXCESS ROCKS AND LARGE STONES.
    - SOIL COMPACTION - PROJECT AFFECTED AGRICULTURAL SOILS SHOULD BE TESTED USING AN APPROPRIATE SOIL PENETROMETER. COMPACTION TESTS WILL BE MADE AT REGULAR INTERVALS OF DISTANCE THROUGHOUT THE ACCESS OR WORK AREAS, INCLUDING EACH SOIL TYPE IDENTIFIED ON THE AFFECTED AGRICULTURAL AREAS, WHERE REPRESENTATIVE SOIL DENSITY OF THE AFFECTED AREA EXCEEDS THE REPRESENTATIVE SOIL DENSITY OF THE UNIMPACTED AREAS. ADDITIONAL DECOMPACTION MAY BE REQUIRED. CONSULTATION WITH NYSDAM STAFF AND THE AGRICULTURAL PRODUCER(S) SHOULD BE CONDUCTED PRIOR TO SCHEDULING ADDITIONAL DECOMPACTION. IF WARRANTED, DECOMPACTION TO A DEPTH OF 18-INCHES WITH A TRACTOR MOUNTED DEEP RIPPER OR HEAVY DUTY CHISEL PLOW. RESTORATION OF DISPLACED TOPSOIL TO ORIGINAL DEPTH AND RE-ESTABLISH ORIGINAL CONTOURS WHERE POSSIBLE. DECOMPACTION DEEP SHATTERING WILL BE APPLIED DURING PERIODS OF RELATIVELY LOW SOIL MOISTURE TO ENSURE THE DESIRED MITIGATION AND TO PREVENT ADDITIONAL SOIL COMPACTION. OVERSIZED STONE ROCK (FOUR-INCHES) MATERIAL THAT IS UNearthED TO THE SURFACE AS A RESULT OF THE DEEP SHATTERING WILL BE REMOVED.
    - DRAINAGE - THE EM SHALL VISUALLY INSPECT THE RESTORED AGRICULTURAL AREAS IN SEARCH OF PERSISTENT STUNTED CROP GROWTH DUE TO SEASONAL SATURATION, NOT PREVIOUSLY EXPERIENCED AT THE SITE AND NOT RESULTING FROM THE AGRICULTURAL PRODUCER'S IRRIGATION MANAGEMENT OR DUE TO EXCESSIVE RAINFALL. IDENTIFIED AREAS OF STUNTED CROP GROWTH SHALL BE COMPARED TO THE NEAREST UNDISTURBED ADJACENT AREAS UNDER A SUBSTANTIALLY EQUIVALENT TERRAIN AND CROP MANAGEMENT PLAN. DRINK OBSERVATIONS SHALL BE CONDUCTED TO DETERMINE IF THE PROJECT AFFECTED SURFACE OR SUB-SURFACE DRAINAGE DURING CONSTRUCTION OR RESTORATION, PROJECT CAUSED DRAINAGE ISSUES AFFECTING OR LIKELY TO REDUCE CROP PRODUCTIVITY OF THE ADJACENT AREAS WILL HAVE TO BE REMEDIATED VIA A POSITIVE SURFACE DRAINAGE, SUB-SURFACE DRAINAGE, REPAIR ORCE EQUIVALENT.
    - AGRICULTURE FENCING AND GATES - THE EM SHALL INSPECT PROJECT ASSOCIATED FENCING AND GATES (INSTALLED, ALTERED OR REPAIRED) WITHIN THE PROJECTS SECURITY FENCING AND GATE ACTIVITIES CONSTRUCTION AND LONGEVITY. THE PROJECT OWNER/ OPERATOR IS RESPONSIBLE DURING THE MONITORING AND REMEDIATION PHASE FOR MAINTAINING THE INTEGRITY OF PROJECT ASSOCIATED FENCING AND GATES.



**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-585-77-8918  
WWW.BWSOLAR.COM



**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION  
P.O. CERT #018181  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

STAMP:



STATE OF NEW YORK  
PROFESSIONAL ENGINEER  
094505  
CIVIL

IF IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, I HEREBY CERTIFY THAT I AM NOT PROVIDING ENGINEERING SERVICES IN THE STATE OF NEW YORK WITHOUT THE DIRECTION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER. TO ALTER AN ITEM IN THIS DOCUMENT IN ANY WAY.

**NY CDG MONROE 3 LLC**  
**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14487

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

SHEET TITLE:  
**CIVIL NOTES**

SHEET SIZE:  
**ANSI "D" FULL BLEED  
22" X 34" (559 X 864)**

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
DRAWN BY: R. DEMILIO  
ENGINEER: R. DEMILIO  
APPROVED BY: R. CHOMKO

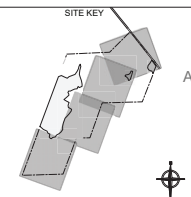
PROJECT PHASE:  
ISSUED FOR PERMITTING  
SCALE: AS SHOWN  
SHEET NO.:



**LEGEND**

	SUBJECT PROPERTY LINE
	DELINEATED WETLAND (NON-JURISDICTIONAL)
	DELINEATED WETLAND (NYSDEC)

- EXISTING CONDITIONS & SURVEY NOTES**
1. SURVEY PROVIDED BY MARQUES & ASSOCIATES, P.C. DATED MARCH 1ST, 2024 BASED ON AN INSTRUMENT SURVEY COMPLETED ON FEBRUARY 28TH, 2024.
  2. NO EASEMENTS, RESTRICTIONS, ETC. LISTED IN THE TITLE REPORT PROVIDED. NO SEARCH FOR EASEMENTS PERFORMED BEYOND TITLE REPORT PROVIDED.
  3. THE REFERENCED VERTICAL DATUM IS NAVD83.
  4. THE REFERENCED HORIZONTAL DATUM IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM OF 1983, WEST ZONE, TRANSVERSE MERCATOR PROJECTION, NAD 83(2011) UTILIZING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) OBSERVATIONS FROM THE NYS DOT REFERENCE NETWORK CORS STATIONS.
  5. THE PROJECT BOUNDARY SURVEY AND TIES TO MONROE COUNTY GEODETIC MONUMENTS WERE MADE USING PROCEDURES NECESSARY TO ACHIEVE A HORIZONTAL ACCURACY OF 1:20,000 OR BETTER AND A NETWORK POSITIONAL ACCURACY AT 95% CONFIDENCE LEVEL NOT EXCEEDING 0.05 FEET. DISTANCES SHOWN ARE GROUND DISTANCES.
  6. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD INFORMATION VISIBLE AT THE TIME OF THE SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
  7. PROTECT ALL SET MONUMENTS ON SITE AND WITHIN THE PROJECT VICINITY.
  8. ORTHOMOGRAPHY PROVIDED BY NYS GIS RESOURCES.



**BW SOLAR**  
 69 STATE STREET 13TH FLOOR  
 ALBANY, NY 12207  
 T: +1-585-77-8918  
 WWW.BWSOLAR.COM

**TETRA TECH**  
 TETRA TECH ENGINEERING CORPORATION,  
 P.C. CERT #018815  
 3136 SOUTH WINTON ROAD, SUITE 303  
 ROCHESTER, NY 14623

**STAMP:**

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

SHEET TITLE:  
**OVERALL EXISTING CONDITIONS PLAN**

SHEET SIZE:  
 ANSI "D" FULL BLEED  
 22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZICK

PROJECT PHASE:  
**ISSUED FOR PERMITTING**

SCALE: 0 100' 200' 400'  
 SCALE: 1" = 200'

SHEET NO.:  
**EX-100**



**LEGEND**

- SUBJECT PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPERTY LINE SETBACK
- RIGHT OF WAY
- 100' WETLAND BUFFER
- DELINEATED WETLAND (NON-JURISDICTIONAL)
- DELINEATED WETLAND (NYS DEC)
- EXISTING TREE LINE
- 500' EXISTING CONTOUR (MAJOR)
- 50' EXISTING CONTOUR (MINOR)
- EXISTING FARM LANE
- EXISTING STORM PIPE
- EXISTING OVERHEAD ELECTRIC
- EXISTING WIRE FENCE
- SET SPIKE
- EXISTING UTILITY POLE

- EXISTING CONDITIONS & SURVEY NOTES**
1. SURVEY PROVIDED BY MARQUES & ASSOCIATES, P.C. DATED MARCH 1ST, 2024 BASED ON AN INSTRUMENT SURVEY COMPLETED ON FEBRUARY 28TH, 2024.
  2. NO EASEMENTS, RESTRICTIONS, ETC LISTED IN THE TITLE REPORT PROVIDED. NO SEARCH FOR EASEMENTS PERFORMED BEYOND TITLE REPORT PROVIDED.
  3. THE REFERENCED VERTICAL DATUM IS NAVD8S.
  4. THE REFERENCED HORIZONTAL DATUM IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM OF 1983, WEST ZONE, TRANSVERSE MERCATOR PROJECTION, NAD 83(2011) UTILIZING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) OBSERVATIONS FROM THE NYS DOT REFERENCE NETWORK CORS STATIONS.
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  7. PROTECT ALL SET MONUMENTS ON SITE AND WITHIN THE PROJECT VICINITY.
  8. ORTHOMOGRAPHY PROVIDED BY NYS GIS RESOURCES.

**SITE KEY**

**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZICK

**PROJECT PHASE:**  
 ISSUED FOR PERMITTING

SCALE: 1" = 50'

SHEET NO.: **EX-101**

**BW SOLAR**  
 69 STATE STREET 13TH FLOOR  
 ALBANY, NY 12207  
 T: 1-585-77-6919  
 WWW.BWSOLAR.COM

**TETRA TECH**  
 TETRA TECH ENGINEERING CORPORATION  
 P.C. CERT #0181815  
 3136 SOUTH WINTON ROAD, SUITE 303  
 ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
 194-1264-0006

SHEET TITLE:  
**EXISTING CONDITIONS PLAN**

SHEET SIZE:  
 ANSI "D" FULL BLEED  
 22" X 34" (559 X 864)

NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD



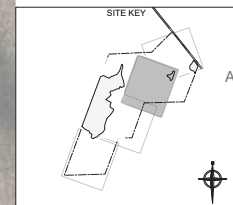
**Tax Account # 190.02-1-47.11**  
 Area: 114.402 Acres (4,983,349 sq.ft.) - to CL  
 113.608 Acres (4,948,768 sq.ft.) - to R.O.W.

Reputed Owner  
 Matthews Farms, Inc.  
 Tax Account #190.04-1-2

PARCEL B  
 (LIBER 10532 OF DEEDS, PAGE 43)

- LEGEND**
- SUBJECT PROPERTY LINE
  - - - ADJOINING PROPERTY LINE
  - - - PROPERTY LINE SETBACK
  - - - ROW - RIGHT OF WAY
  - - - 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYS DEC)
  - EXISTING TREE LINE
  - - - 500' EXISTING CONTOUR (MAJOR)
  - - - 50' EXISTING CONTOUR (MINOR)
  - - - EXISTING FARM LANE
  - - - EXISTING STORM PIPE
  - - - EXISTING OVERHEAD ELECTRIC
  - - - EXISTING WIRE FENCE
  - ◆ SET SPIKE
  - ◆ EXISTING UTILITY POLE

- EXISTING CONDITIONS & SURVEY NOTES**
1. SURVEY PROVIDED BY MARQUES & ASSOCIATES, P.C. DATED MARCH 1ST, 2024 BASED ON AN INSTRUMENT SURVEY COMPLETED ON FEBRUARY 20TH, 2024.
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  3. THE REFERENCED VERTICAL DATUM IS NAVD83.
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  9. ORTHOMOGRAPHY PROVIDED BY NYS GIS RESOURCES.



**BW SOLAR**  
 69 STATE STREET 13TH FLOOR  
 ALBANY, NY 12207  
 T: 1-585-77-6918  
 WWW.BWSOLAR.COM

---

**TETRA TECH**  
 TETRA TECH ENGINEERING CORPORATION,  
 P.C. CERT #018815  
 3136 SOUTH WINTON ROAD, SUITE 303  
 ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14467

---

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

---

SHEET TITLE:  
**EXISTING CONDITIONS PLAN**

---

SHEET SIZE:  
 ANSI "D" FULL BLEED  
 22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

---

NOT FOR CONSTRUCTION

---

DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZOK

---

PROJECT PHASE:  
**ISSUED FOR PERMITTING**

SCALE: 1" = 50'  
 SCALE: 1" = 50'

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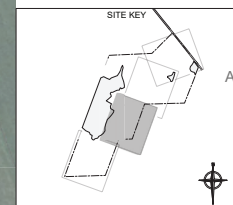
SHEET NO.:  
**EX-102**



**LEGEND**

- SUBJECT PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPERTY LINE SETBACK
- RIGHT OF WAY
- 100' WETLAND BUFFER
- DELINEATED WETLAND (NON-JURISDICTIONAL)
- DELINEATED WETLAND (NYSDEC)
- EXISTING TREE LINE
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FARM LANE
- EXISTING STORM PIPE
- EXISTING OVERHEAD ELECTRIC
- EXISTING WIRE FENCE
- SET SPIKE
- EXISTING UTILITY POLE

- EXISTING CONDITIONS & SURVEY NOTES**
1. SURVEY PROVIDED BY MARQUES & ASSOCIATES, P.C. DATED MARCH 1ST, 2024 BASED ON AN INSTRUMENT SURVEY COMPLETED ON FEBRUARY 26TH, 2024.
  2. NO EASEMENTS, RESTRICTIONS, ETC LISTED IN THE TITLE REPORT PROVIDED. NO SEARCH FOR EASEMENTS PERFORMED BEYOND TITLE REPORT PROVIDED.
  3. THE REFERENCED VERTICAL DATUM IS NAVD88. THE REFERENCED HORIZONTAL DATUM IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM OF 1983, WEST ZONE, TRANSVERSE MERCATOR PROJECTION, NAD 83(2011) UTILIZING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) OBSERVATIONS FROM THE NYS DOT REFERENCE NETWORK CORS STATIONS.
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  6. PROTECT ALL SET MONUMENTS ON SITE AND WITHIN THE PROJECT VICINITY.
  7. ORTHOMAGERY PROVIDED BY NYS GIS RESOURCES.



**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: 1-585-77-8918  
WWW.BWSOLAR.COM

---

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

**STAMP:**

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---

**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
**EXISTING CONDITIONS PLAN**

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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---

NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

---

**NOT FOR CONSTRUCTION**

---

<b>DATE:</b>	07/12/2024
<b>DRAWN BY:</b>	R. DEMILJO
<b>ENGINEER:</b>	R. DEMILJO
<b>APPROVED BY:</b>	R. CHOZICK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

**SCALE:** SCALE: 1" = 50'


**SHEET NO.:**  
**EX-103**



Reputed Owner  
Dora L. Alvarez  
Tax Account #190.04-1-1.1


- LEGEND**
- 0 SUBJECT PROPERTY LINE
  - - - ADJOINING PROPERTY LINE
  - - - PROPERTY LINE SETBACK
  - - - ROW
  - - - RIGHT OF WAY
  - - - 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYSDEC)
  - - - EXISTING TREE LINE
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  - - - EXISTING FARM LANE
  - - - EXISTING STORM PIPE
  - - - EXISTING OVERHEAD ELECTRIC
  - - - EXISTING WIRE FENCE
  - ◆ SET SPIKE
  - ◆ EXISTING UTILITY POLE

- EXISTING CONDITIONS & SURVEY NOTES**
1. SURVEY PROVIDED BY MARQUES & ASSOCIATES, P.C. DATED MARCH 1ST, 2024 BASED ON AN INSTRUMENT SURVEY COMPLETED ON FEBRUARY 20TH, 2024.
  2. NO EASEMENTS, RESTRICTIONS, ETC LISTED IN THE TITLE REPORT PROVIDED. NO SEARCH FOR EASEMENTS PERFORMED BEYOND TITLE REPORT PROVIDED.
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  8. PROTECT ALL SET MONUMENTS ON SITE AND WITHIN THE PROJECT VICINITY.
  9. ORTHOMOGRAPHY PROVIDED BY NYS GIS RESOURCES.



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69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-518-77-6918  
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**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION,  
P.C. CERT #018815  
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ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
**EXISTING CONDITIONS PLAN**

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

---

**NOT FOR CONSTRUCTION**

---

**DATE:** 07/12/2024  
**DRAWN BY:** R. DEMILJO  
**ENGINEER:** R. DEMILJO  
**APPROVED BY:** R. CHOZCK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

**SCALE:** 1" = 50'  
SCALE: 1" = 50'

---

**SHEET NO.:**  
**EX-104**



Printed: 7/11/2024, 2:20 PM X:\BW Solar\05 - Monroe, 3\05-Civil Design\03-MONROE 3\_C-100-200 SITE PREP & SITE PLAN.dwg

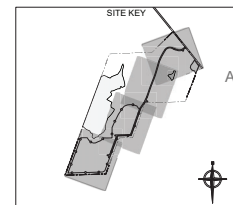



**LEGEND**

- SUBJECT PROPERTY LINE
- ADJOINING PROPERTY LINES
- DELINEATED WETLANDS (NON-JURISDICTIONAL)
- DELINEATED WETLAND (NYSDEC)
- PROPOSED CHAIN LINK FENCE
- PROPOSED ACCESS ROAD
- PROPOSED SOLAR ARRAYS

**TRAFFIC DATA**


NEAREST INTERSECTING ROAD NAME	REEVES ROAD
TIE DISTANCE TO REEVES ROAD	1924.1 FEET
<b>SITE DISTANCE DATA AT ENTRANCE</b>	
STOPPING SITE DISTANCE DESIGN SPEED	40.0 MPH
BRAKING DISTANCE REQUIRED FROM SOUTH	145.0 FEET
STOPPING SITE DISTANCE FROM SOUTH	295.0 FEET
BRAKING DISTANCE REQUIRED FROM NORTH	173.3 FEET
STOPPING SITE DISTANCE FROM NORTH	325.0 FEET
<b>INTERSECTION SITE DISTANCE</b>	
LEFT FROM MINOR APPROACH TO THE SOUTH	445.0 FEET
LEFT FROM MINOR APPROACH TO THE NORTH	445.0 FEET





**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-518-77-2919  
WWW.BWSOLAR.COM

---




**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION,  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

**STAMP:**



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---

**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
OVERALL SITE LAYOUT & LOCATION KEY

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

---

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---

NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCJ

---

**NOT FOR CONSTRUCTION**

---

DATE:	07/12/2024
DRAWN BY:	R. DEMILJO
ENGINEER:	R. DEMILJO
APPROVED BY:	R. CHOZICK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

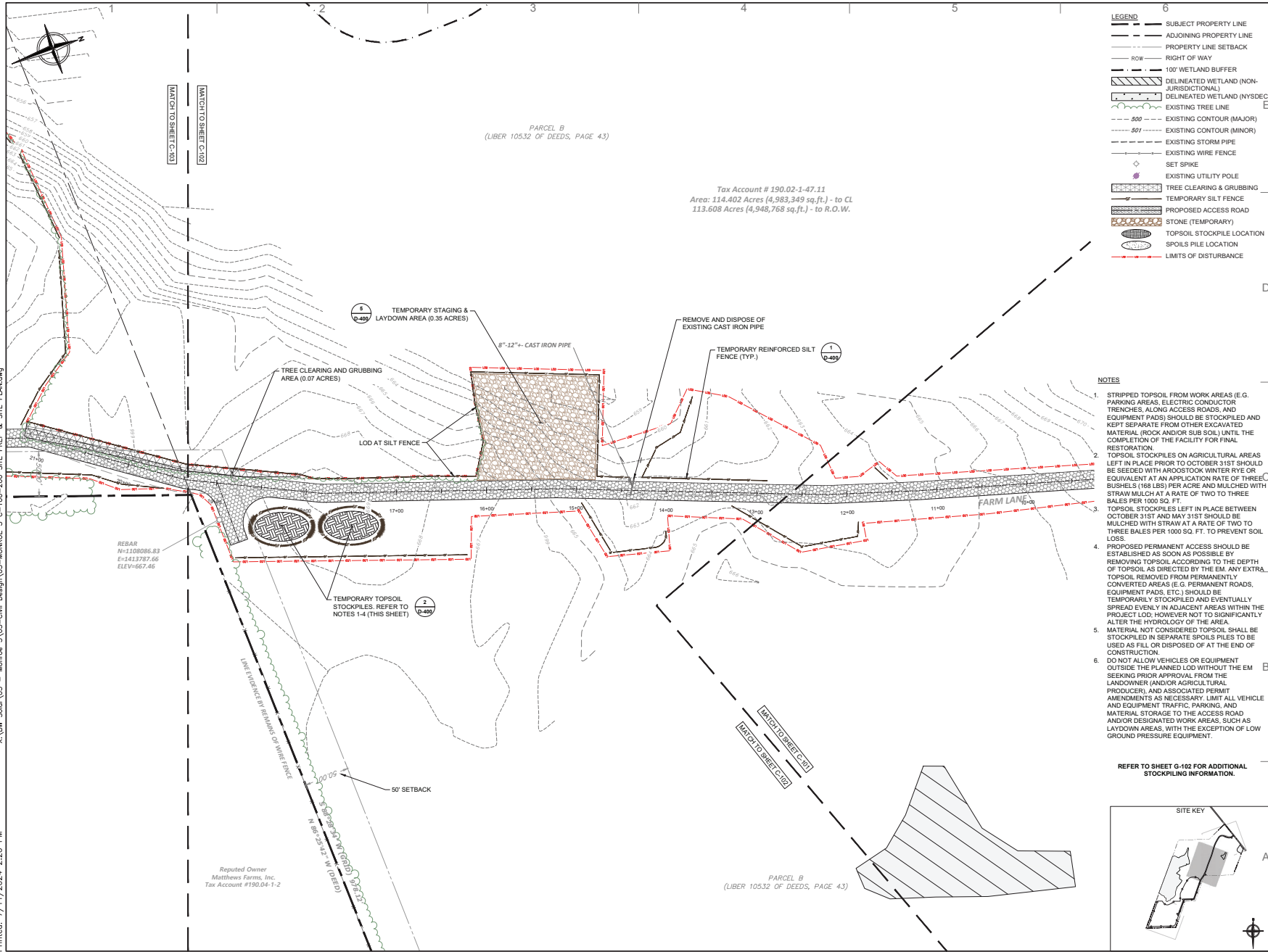
SCALE: 0 125' 250' 500'  
SCALE: 1" = 250'

---

**SHEET NO.:**  
**C-100**



Printed: 7/11/2024, 2:20 PM X:\BW Solar\05 - Monroe, 3\05-Civil Design\03-MONROE 3, C-100-200 SITE PREP & SITE PLAN.dwg



- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYS/DC)
  - EXISTING TREE LINE
  - 500' EXISTING CONTOUR (MAJOR)
  - 80' EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - ▨ TREE CLEARING & GRUBBING
  - ▨ TEMPORARY SILT FENCE
  - ▨ PROPOSED ACCESS ROAD
  - ▨ STONE (TEMPORARY)
  - TOPSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION
  - LIMITS OF DISTURBANCE

- NOTES**
1. STRIPPED TOPSOIL FROM WORK AREAS (E.G. PARKING AREAS, ELECTRIC CONDUCTOR TRENCHES, ALONG ACCESS ROADS, AND EQUIPMENT PADS) SHOULD BE STOCKPILED AND KEPT SEPARATE FROM OTHER EXCAVATED MATERIAL (ROCK AND/OR SUB SOIL) UNTIL THE COMPLETION OF THE FACILITY FOR FINAL RESTORATION.
  2. TOPSOIL STOCKPILES ON AGRICULTURAL AREAS LEFT IN PLACE PRIOR TO OCTOBER 31ST SHOULD BE SEEDED WITH AROOSTOOK WINTER RYE OR EQUIVALENT AT AN APPLICATION RATE OF THREE BUSHELS (165 LBS) PER ACRE AND MULCHED WITH STRAW MULCH AT A RATE OF TWO TO THREE BALES PER 1000 SQ. FT.
  3. TOPSOIL STOCKPILES LEFT IN PLACE BETWEEN OCTOBER 31ST AND MAY 31ST SHOULD BE MULCHED WITH STRAW AT A RATE OF TWO TO THREE BALES PER 1000 SQ. FT. TO PREVENT SOIL LOSS.
  4. PROPOSED PERMANENT ACCESS SHOULD BE ESTABLISHED AS SOON AS POSSIBLE BY REMOVING TOPSOIL ACCORDING TO THE DEPTH OF TOPSOIL AS DIRECTED BY THE EM. ANY EXTRA TOPSOIL REMOVED FROM PERMANENTLY CONVERTED AREAS (E.G. PERMANENT ROADS, EQUIPMENT PADS, ETC.) SHOULD BE TEMPORARILY STOCKPILED AND EVENTUALLY SPREAD EVENLY IN ADJACENT AREAS WITHIN THE PROJECT LOD; HOWEVER NOT TO SIGNIFICANTLY ALTER THE HYDROLOGY OF THE AREA.
  5. MATERIAL NOT CONSIDERED TOPSOIL SHALL BE STOCKPILED IN SEPARATE SPOILS PILES TO BE USED AS FILL OR DISPOSED OF AT THE END OF CONSTRUCTION.
  6. DO NOT ALLOW VEHICLES OR EQUIPMENT OUTSIDE THE PLANNED LOD WITHOUT THE EM SEEKING PRIOR APPROVAL FROM THE LANDOWNER (AND/OR AGRICULTURAL PRODUCER), AND ASSOCIATED PERMIT AMENDMENTS AS NECESSARY. LIMIT ALL VEHICLE AND EQUIPMENT TRAFFIC, PARKING, AND MATERIAL STORAGE TO THE ACCESS ROAD AND/OR DESIGNATED WORK AREAS, SUCH AS LAYDOWN AREAS, WITH THE EXCEPTION OF LOW GROUND PRESSURE EQUIPMENT.

REFER TO SHEET G-102 FOR ADDITIONAL STOCKPIILING INFORMATION.

SITE KEY

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-585-77-6918  
WWW.BWSOLAR.COM

---

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION,  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

STAMP:

STATE OF NEW YORK  
PROFESSIONAL ENGINEER  
094505

---

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---

NY CDG MONROE 3 LLC

BW SOLAR HOLDING INC  
175 TOBIN ROAD  
HENRIETTA, NY 14487

---

TETRA TECH PROJECT NUMBER:  
194-1264-0006

---

SHEET TITLE:  
**SITE PREPARATION & DEMOLITION PLAN**

---

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

---

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

---

NOT FOR CONSTRUCTION

---

DATE: 07/12/2024  
DRAWN BY: R. DEMILJO  
ENGINEER: R. DEMILJO  
APPROVED BY: R. CHOZKOC

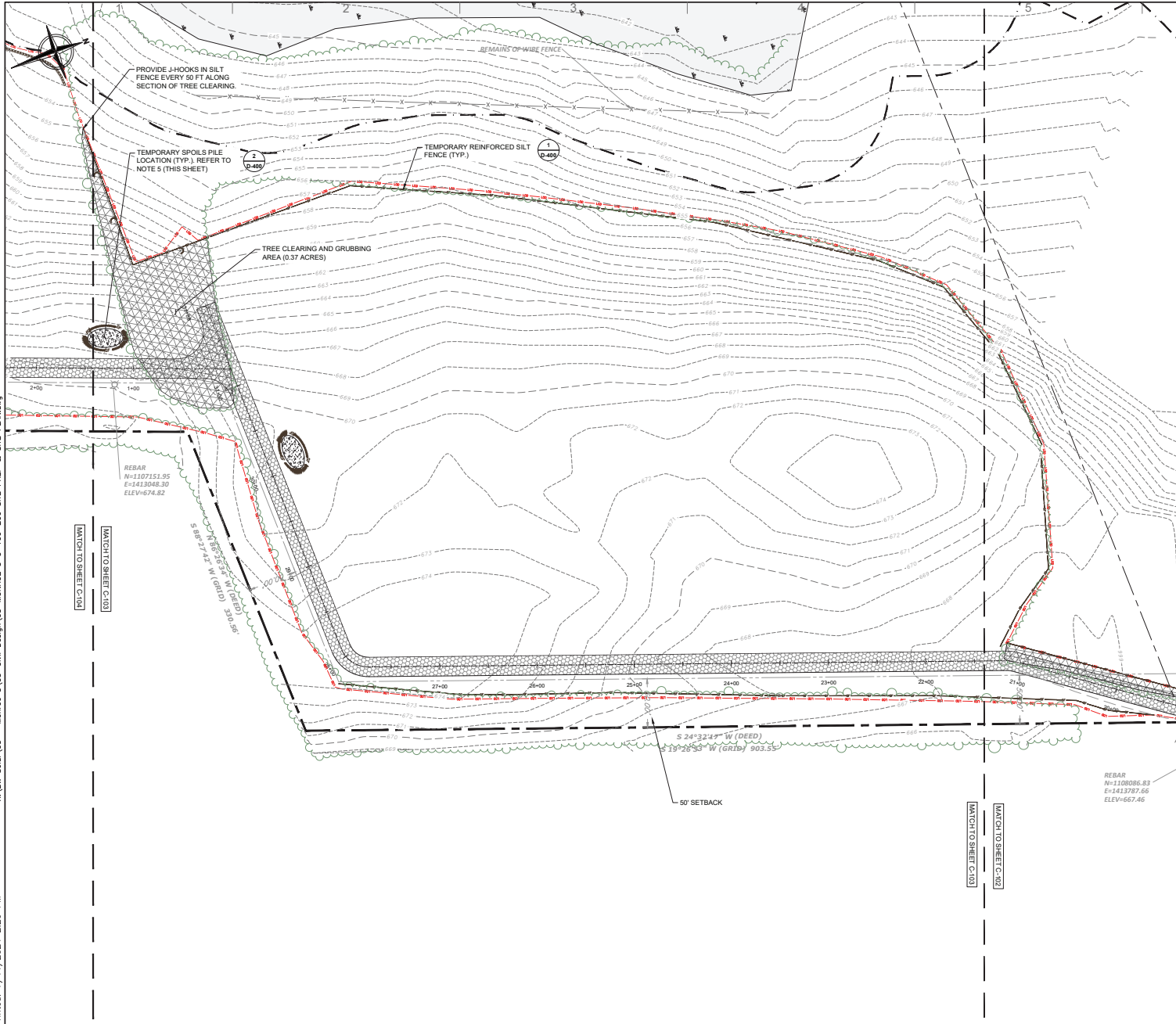
---

PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: 0 25 50 100'  
SCALE: 1" = 50'

---

SHEET NO.:  
**C-102**



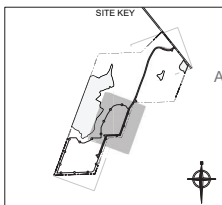
**LEGEND**

- SUBJECT PROPERTY LINE
- - - ADJOINING PROPERTY LINE
- - - PROPERTY LINE SETBACK
- - - ROW
- - - RIGHT OF WAY
- 100' WETLAND BUFFER
- DELINEATED WETLAND (NON-JURISDICTIONAL)
- DELINEATED WETLAND (IN-SECTION)
- EXISTING TREE LINE
- 500' EXISTING CONTOUR (MAJOR)
- 50' EXISTING CONTOUR (MINOR)
- EXISTING STORM PIPE
- EXISTING WIRE FENCE
- SET SPIKE
- EXISTING UTILITY POLE
- TREE CLEARING & GRUBBING
- TEMPORARY SILT FENCE
- PROPOSED ACCESS ROAD
- STONE (TEMPORARY)
- TOPSOIL STOCKPILE LOCATION
- SPOILS PILE LOCATION
- LIMITS OF DISTURBANCE

**NOTES**

1. STRIPPED TOPSOIL FROM WORK AREAS (E.G. PARKING AREAS, ELECTRIC CONDUCTOR TRENCHES, ALONG ACCESS ROADS, AND EQUIPMENT PADS) SHOULD BE STOCKPILED AND KEPT SEPARATE FROM OTHER EXCAVATED MATERIAL (ROCK AND/OR SUB SOIL) UNTIL THE COMPLETION OF THE FACILITY FOR FINAL RESTORATION.
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6. DO NOT ALLOW VEHICLES OR EQUIPMENT OUTSIDE THE PLANNED LOD WITHOUT THE EM SEEKING PRIOR APPROVAL FROM THE LANDOWNER (AND/OR AGRICULTURAL PRODUCER), AND ASSOCIATED PERMIT AMENDMENTS AS NECESSARY. LIMIT ALL VEHICLE AND EQUIPMENT TRAFFIC, PARKING, AND MATERIAL STORAGE TO THE ACCESS ROAD AND/OR DESIGNATED WORK AREAS, SUCH AS LAYDOWN AREAS, WITH THE EXCEPTION OF LOW GROUND PRESSURE EQUIPMENT.

REFER TO SHEET G-102 FOR ADDITIONAL STOCKPIILING INFORMATION.



**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: 1-585-77-6919  
WWW.BWSOLAR.COM

---

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION,  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

STAMP:

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---

**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

---

SHEET TITLE:  
**SITE PREPARATION & DEMOLITION PLAN**

---

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

---

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

---

NOT FOR CONSTRUCTION

---

DATE: 07/12/2024  
DRAWN BY: R. DEMILJO  
ENGINEER: R. DEMILJO  
APPROVED BY: R. CHOZICK

---

PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: 0 25 50 100'  
SCALE: 1" = 50'

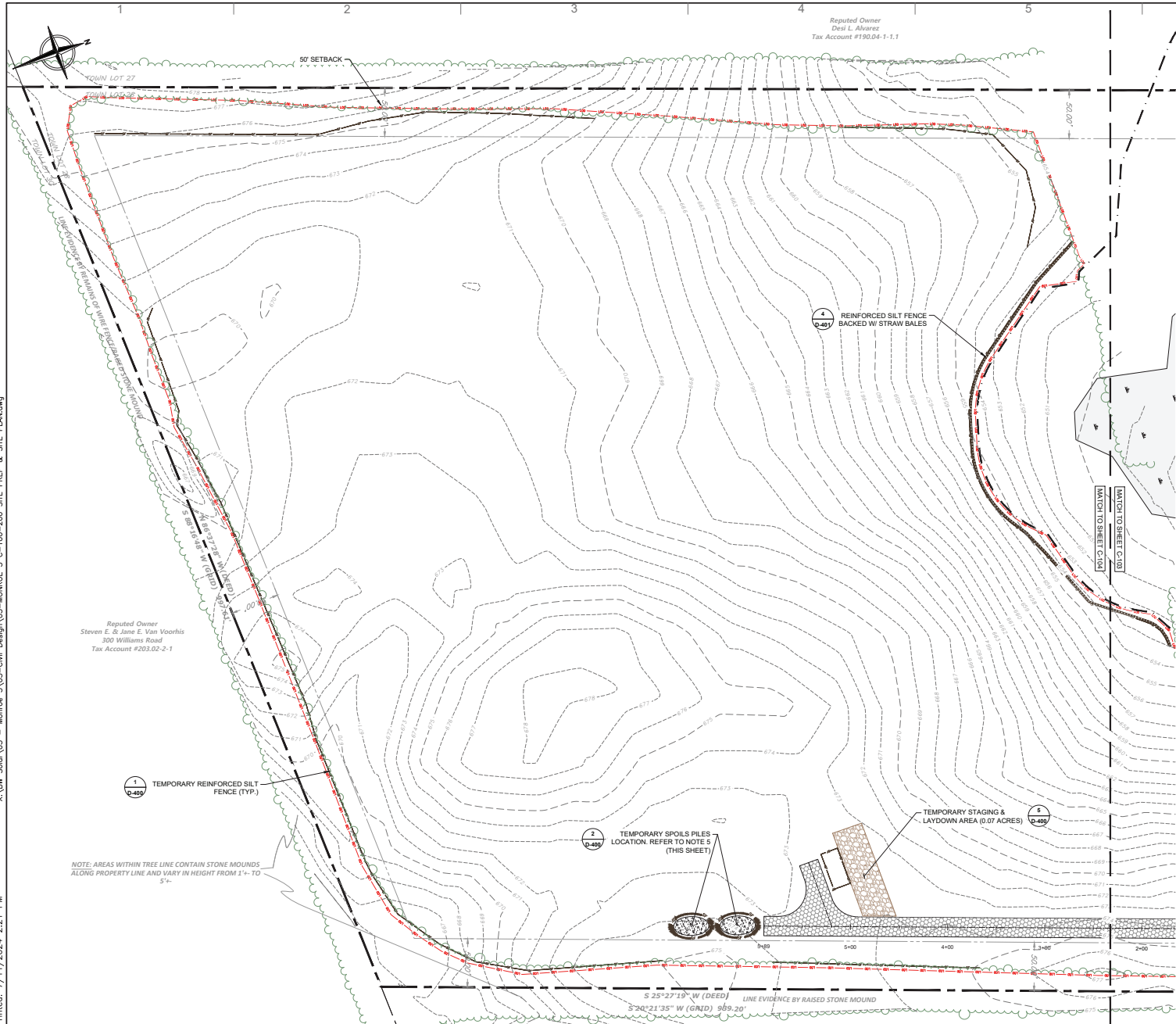
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SHEET NO.:

# C-103

X:\BW Solar\05 - Monroe 3\05-Civil Design\03-MONROE 3\_C-100-200\_SITE\_PREP & SITE\_PLAN.dwg

Printed: 7/11/2024, 2:21 PM



Reputed Owner  
Desi L. Alvarez  
Tax Account #190.04-1-1.1

Reputed Owner  
Steven E. & Jane E. Van Voorhis  
300 Williams Road  
Tax Account #033.02-2-1

NOTE: AREAS WITHIN TREE LINE CONTAIN STONE MOUNDS ALONG PROPERTY LINE AND VARY IN HEIGHT FROM 1'-4" TO 5'-6"

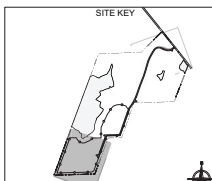
**LEGEND**

- SUBJECT PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPERTY LINE SETBACK
- ROW
- RIGHT OF WAY
- 100' WETLAND BUFFER
- DELINEATED WETLAND (NON-JURISDICTIONAL)
- DELINEATED WETLAND (INSECTICIDE)
- EXISTING TREE LINE
- 500' EXISTING CONTOUR (MAJOR)
- 50' EXISTING CONTOUR (MINOR)
- EXISTING STORM PIPE
- EXISTING WIRE FENCE
- SET SPIKE
- EXISTING UTILITY POLE
- TREE CLEARING & GRUBBING
- TEMPORARY SILT FENCE
- PROPOSED ACCESS ROAD
- STONE (TEMPORARY)
- TOPSOIL STOCKPILE LOCATION
- SPOILS PILE LOCATION
- LIMITS OF DISTURBANCE

**NOTES**

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REFER TO SHEET G-102 FOR ADDITIONAL STOCKPILING INFORMATION.



**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-518-77-6918  
WWW.BWSOLAR.COM

---

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

STAMP:

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---

**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

---

SHEET TITLE:  
**SITE PREPARATION & DEMOLITION PLAN**

---

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

---

**NOT FOR CONSTRUCTION**

---

DATE: 07/12/2024  
DRAWN BY: R. DEMILIO  
ENGINEER: R. DEMILIO  
APPROVED BY: R. CHOZICK

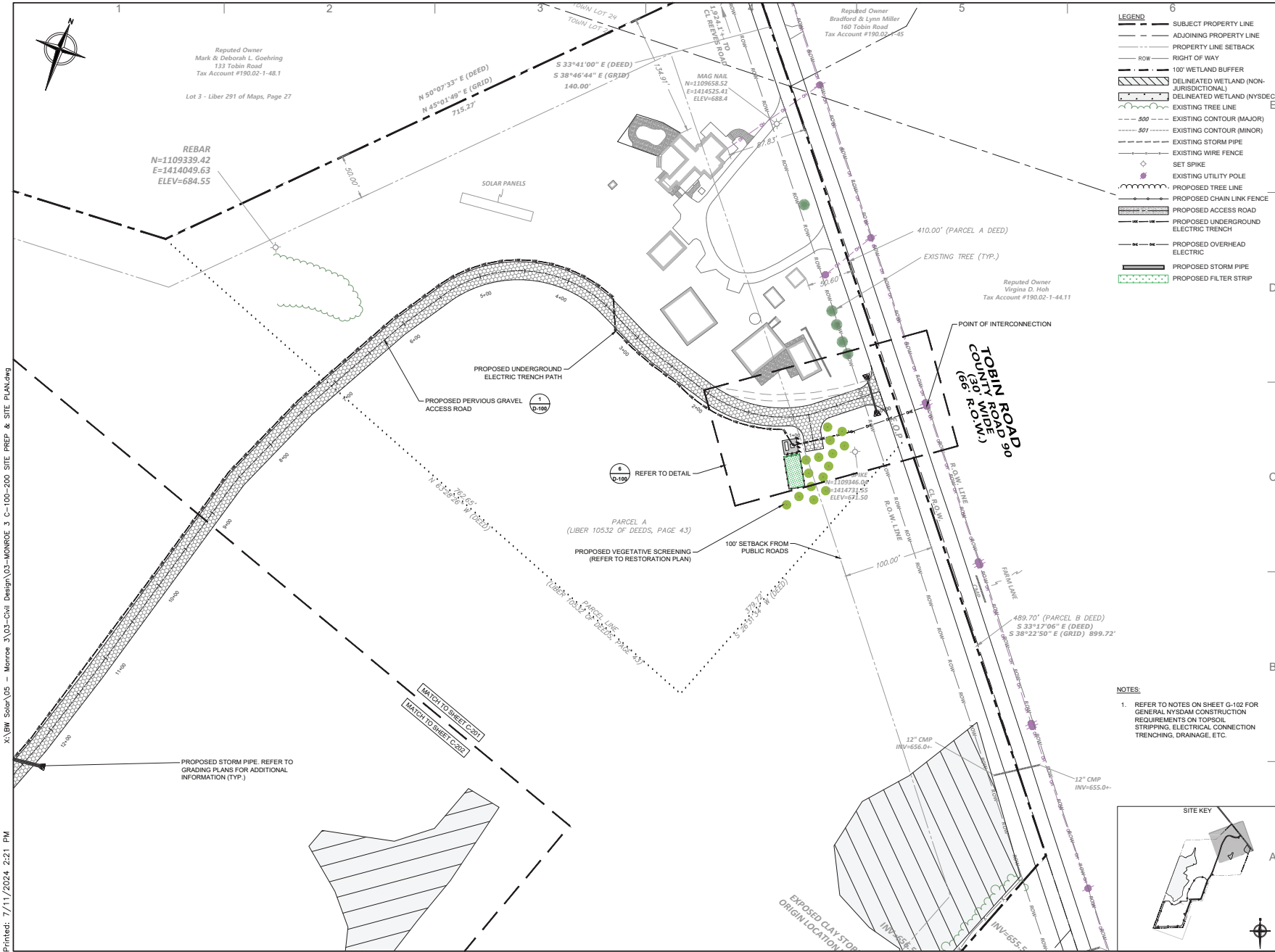
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PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: 1" = 20'  
SCALE: 1" = 50'

---

SHEET NO.:  
**C-104**



- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - - - PROPERTY LINE SETBACK
  - ROW
  - RIGHT OF WAY
  - 100' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYSDEC)
  - EXISTING TREE LINE
  - 500' EXISTING CONTOUR (MAJOR)
  - 50' EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED ACCESS ROAD
  - PROPOSED UNDERGROUND ELECTRIC TRENCH
  - PROPOSED OVERHEAD ELECTRIC
  - PROPOSED STORM PIPE
  - PROPOSED FILTER STRIP

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-585-77-8918  
WWW.BWSOLAR.COM

---

**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

**STAMP:**

VIRGINIA D. HOAK  
094505  
LICENSED PROFESSIONAL ENGINEER

---

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---

**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
SITE LAYOUT PLAN

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

---

NOT FOR CONSTRUCTION

---

DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZICK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

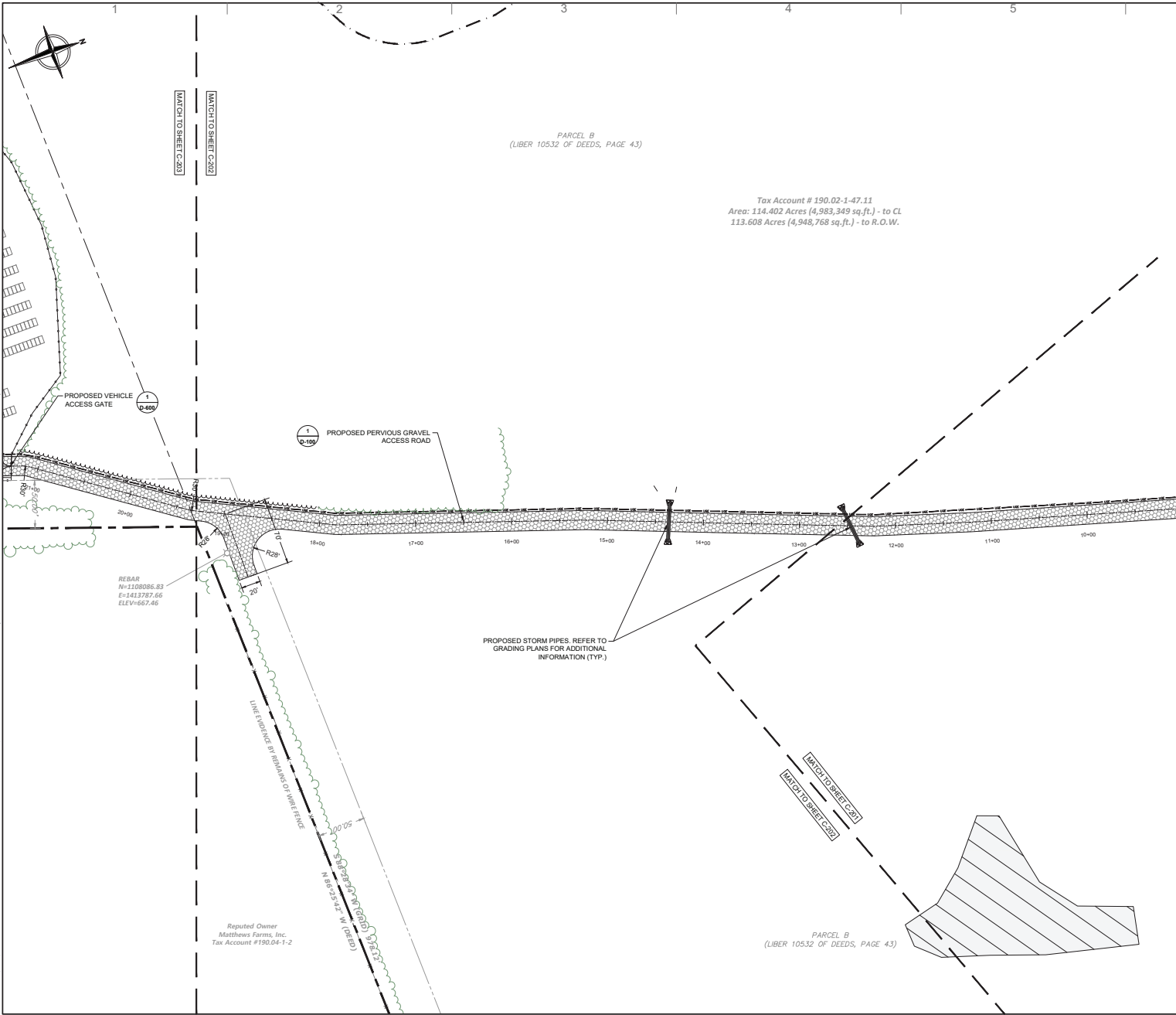
SCALE: 1" = 50'  
 SCALE: 1" = 50'

---

**SHEET NO.:**  
**C-201**

Printed: 7/11/2024, 2:21 PM X:\BW Solar\05 - Monroe 3\05-Civil Design\03-MONROE 3\_C-100-200\_SITE PREP & SITE PLAN.dwg

X:\BW Solar\05 - Monroe 3\05-Civil Design\03-MONROE 3 C-100-200 SITE PREP & SITE PLAN.dwg  
 X:\BW Solar\05 - Monroe 3\05-Civil Design\03-MONROE 3 C-100-200 SITE PREP & SITE PLAN.dwg  
 Printed: 7/11/2024, 2:21 PM



- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - RIGHT OF WAY
  - 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYS DEC)
  - EXISTING TREE LINE
  - 500' EXISTING CONTOUR (MAJOR)
  - 50' EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED ACCESS ROAD
  - PROPOSED UNDERGROUND ELECTRIC TRENCH
  - PROPOSED OVERHEAD ELECTRIC
  - PROPOSED STORM PIPE
  - PROPOSED FILTER STRIP

Tax Account # 190.02-1-47.11  
 Area: 114.402 Acres (4,983,349 sq.ft.) - to CL  
 113.608 Acres (4,948,768 sq.ft.) - to R.O.W.

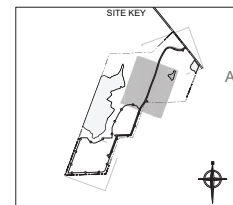
REBAR  
 N=1108086.83  
 E=1413787.66  
 ELEV=667.46

PROPOSED STORM PIPES, REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION (TYP.)

Respected Owner  
 Matthews Farms, Inc.  
 Tax Account #190.04-1-2

PARCEL B  
 (LIBER 10532 OF DEEDS, PAGE 43)

- NOTES:**
- REFER TO NOTES ON SHEET G-102 FOR GENERAL NYS/D&M CONSTRUCTION REQUIREMENTS ON TOPSOIL, STRIPPING, ELECTRICAL CONNECTION TRENCHING, DRAINAGE, ETC.



**BW SOLAR**  
 69 STATE STREET 13TH FLOOR  
 ALBANY, NY 12207  
 T: +1-585-77-6918  
 WWW.BWSOLAR.COM

**TETRA TECH**  
 TETRA TECH ENGINEERING CORPORATION,  
 P.C. CERT #018815  
 3136 SOUTH WINTON ROAD, SUITE 303  
 ROCHESTER, NY 14623

**STAMP:**

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
 194-1264-0006

SHEET TITLE:  
 SITE LAYOUT PLAN

SHEET SIZE:  
 ANSI "D" FULL BLEED  
 22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

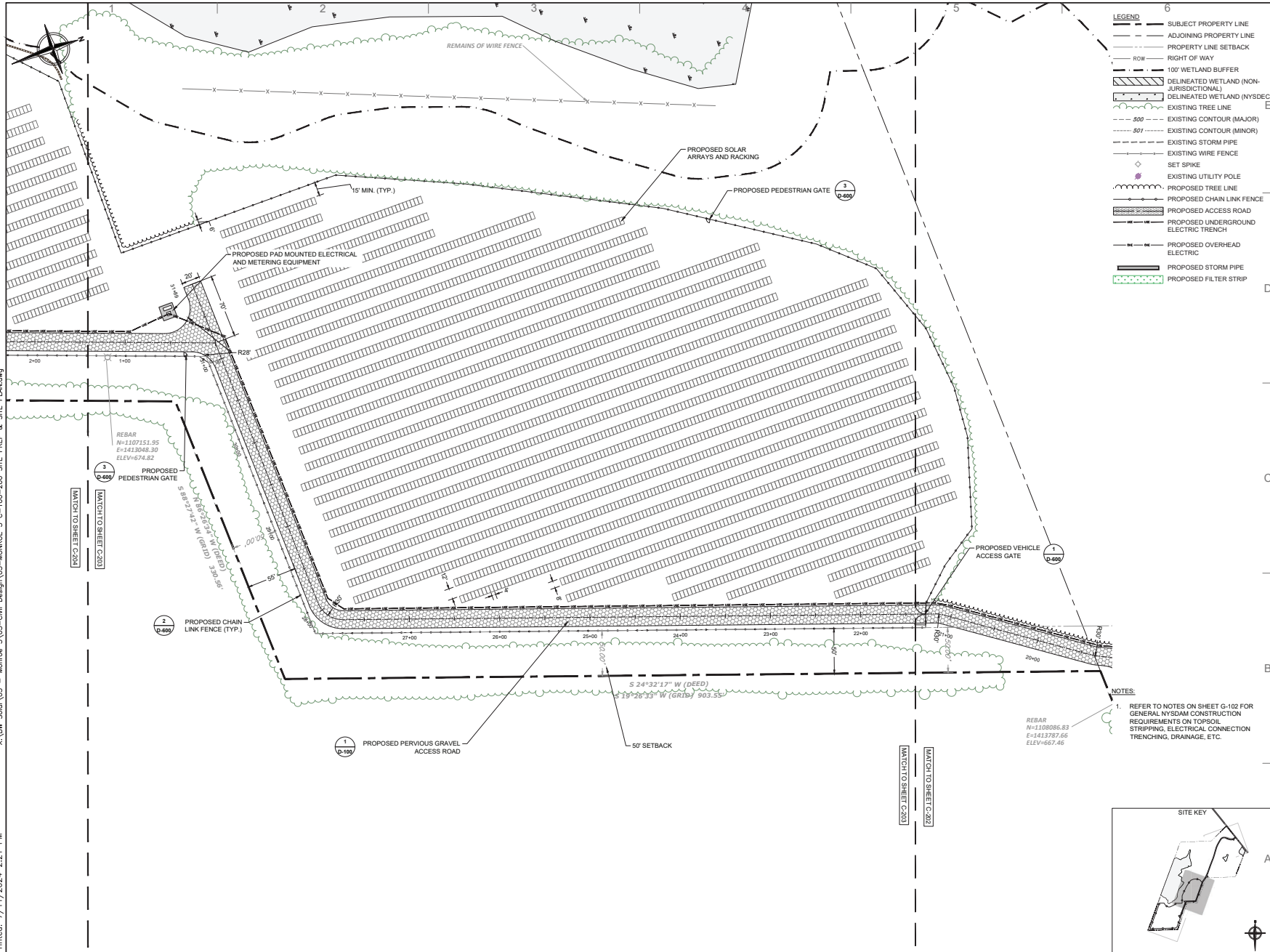
**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZOK

PROJECT PHASE:  
 ISSUED FOR PERMITTING

SCALE: 1" = 50'  
 SCALE: 1" = 50'

SHEET NO.:  
**C-202**

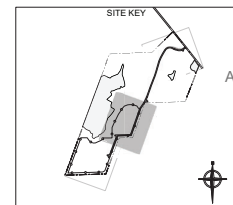


**LEGEND**

- SUBJECT PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPERTY LINE SETBACK
- RIGHT OF WAY
- 100' WETLAND BUFFER
- DELINEATED WETLAND (NON-JURISDICTIONAL)
- DELINEATED WETLAND (NYSDEC)
- EXISTING TREE LINE
- 500' EXISTING CONTOUR (MAJOR)
- 50' EXISTING CONTOUR (MINOR)
- EXISTING STORM PIPE
- EXISTING WIRE FENCE
- SET SPIKE
- EXISTING UTILITY POLE
- PROPOSED TREE LINE
- PROPOSED CHAIN LINK FENCE
- PROPOSED ACCESS ROAD
- PROPOSED UNDERGROUND ELECTRIC TRENCH
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED STORM PIPE
- PROPOSED FILTER STRIP

**NOTES:**

- REFER TO NOTES ON SHEET G-102 FOR GENERAL NYSO&M CONSTRUCTION REQUIREMENTS ON TOPSOIL, STRIPPING, ELECTRICAL CONNECTION TRENCHING, DRAINAGE, ETC.



**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: 1-585-77-6918  
WWW.BWSOLAR.COM

---

**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

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---

**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14487

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
SITE LAYOUT PLAN

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

---

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---

NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCJ

---

**NOT FOR CONSTRUCTION**

---

**DATE:** 07/12/2024  
**DRAWN BY:** R. DEMILJO  
**ENGINEER:** R. DEMILJO  
**APPROVED BY:** R. CHOZICK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

**SCALE:** 1" = 20'  
SCALE: 1" = 50'

---

**SHEET NO.:**  
**C-203**





NOTE: AREAS WITHIN TREE LINE CONTAIN STONE MOUNDS ALONG PROPERTY LINE AND VARY IN HEIGHT FROM 1'- TO 5'-

Reported Owner  
Steven E. & Jane E. Van Voorhis  
300 Williams Road  
Tax Account #203.02-2-1

- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - RIGHT OF WAY
  - 10' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYSDEC)
  - EXISTING TREE LINE
  - 500' --- EXISTING CONTOUR (MAJOR)
  - 50' --- EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED ACCESS ROAD
  - PROPOSED UNDERGROUND ELECTRIC TRENCH
  - PROPOSED OVERHEAD ELECTRIC
  - PROPOSED STORM PIPE
  - PROPOSED FILTER STRIP

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-585-77-8918  
WWW.BWSOLAR.COM

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

STAMP:

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14487

TETRA TECH PROJECT NUMBER:  
194-1264-0006

SHEET TITLE:  
**SITE LAYOUT PLAN**

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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A	30% DESIGN	07/12/2024	RCJ

**NOT FOR CONSTRUCTION**

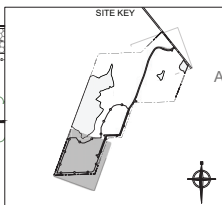
DATE: 07/12/2024  
DRAWN BY: R. DEMILIO  
ENGINEER: R. DEMILIO  
APPROVED BY: R. CHOZOK

PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: 1" = 50'  
SCALE: 1" = 50'

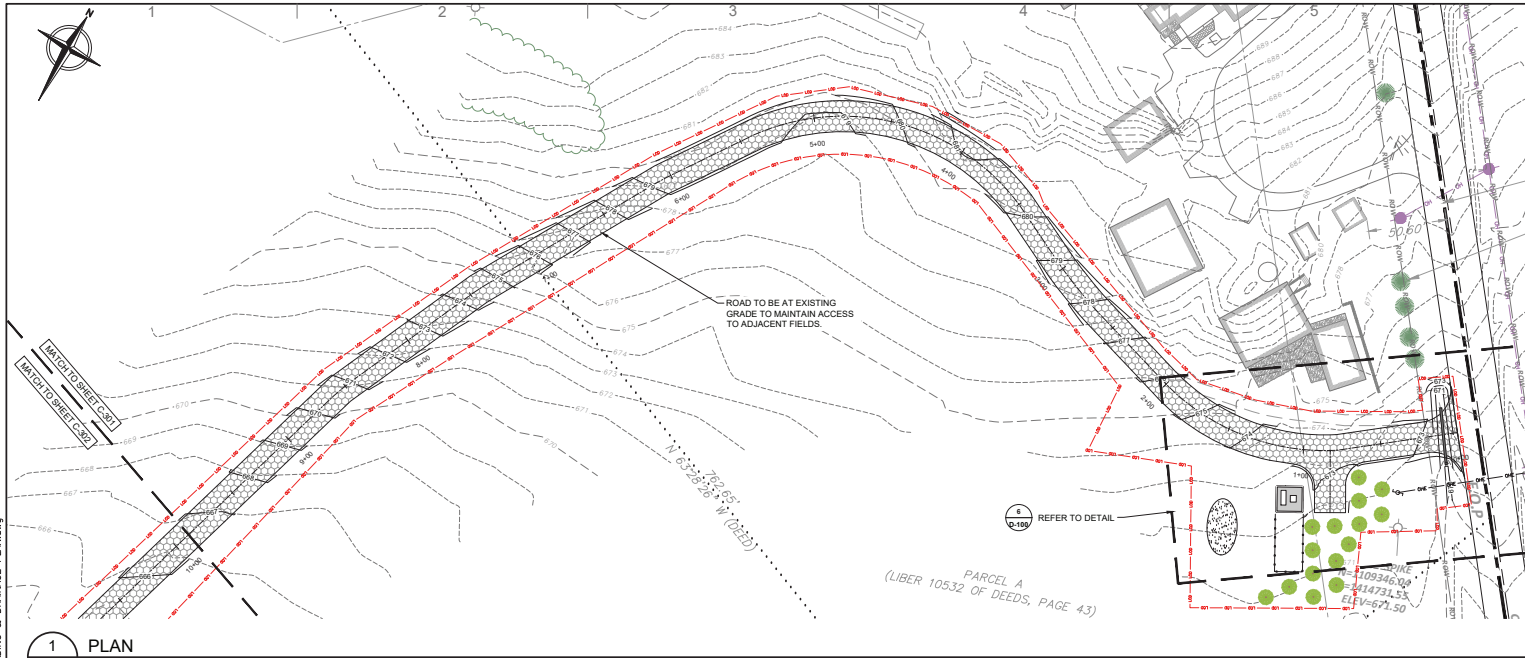
SHEET NO.:  
**C-204**

- NOTES:**
- REFER TO NOTES ON SHEET G-102 FOR GENERAL NYSDM CONSTRUCTION REQUIREMENTS ON TOPSOIL, STRIPPING, ELECTRICAL CONNECTION TRENCHING, DRAINAGE, ETC.



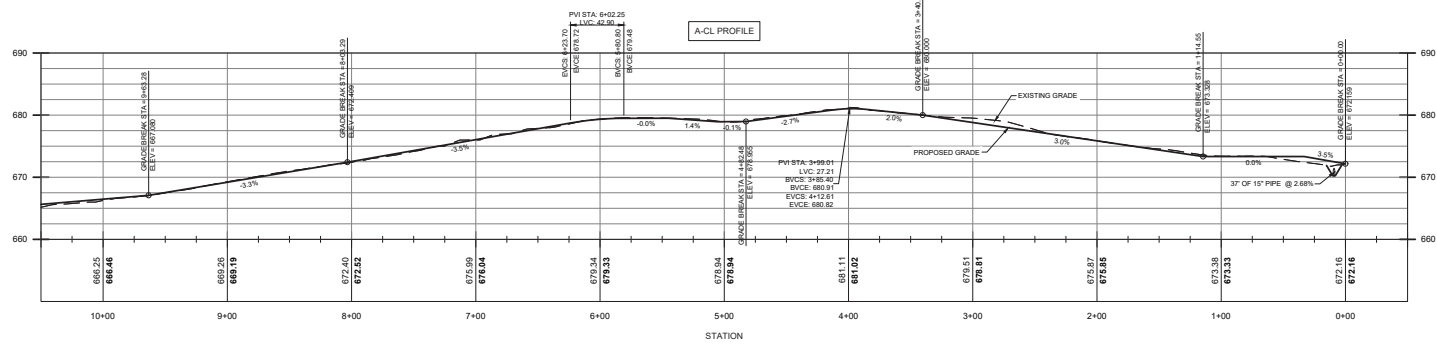
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Printed: 7/11/2024, 2:22 PM

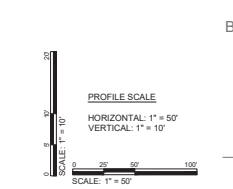


- LEGEND**
- 0 SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - RIGHT OF WAY
  - 100' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYSDEC)
  - EXISTING TREE LINE
  - EXISTING CONTOUR (MAJOR)
  - EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED ACCESS ROAD
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED STORM PIPE
  - PROPOSED CONTOUR (MAJOR)
  - PROPOSED CONTOUR (MINOR)
  - LIMITS OF DISTURBANCE
  - TOPSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION

**1 PLAN**  
SCALE: 1" = 40'



- NOTES**
- STRIP AND STOCKPILE TOPSOIL IN ALL AREAS ANTICIPATED TO BE DISTURBED.
- REFER TO SHEET G-102 FOR ADDITIONAL STOCKPILING INFORMATION.



**2 PROFILE**  
SCALE: PROVIDED ON THIS SHEET

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-518-777-8978  
WWW.BWSOLAR.COM

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION  
37 C. CORT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

STAMP:  
STATE OF NEW YORK  
ROBERT CROCK  
LICENSED PROFESSIONAL ENGINEER  
094205

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**NY CDG MONROE 3 LLC**  
**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

SHEET TITLE:  
**GRADING & DRAINAGE PLAN**

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCJ

**NOT FOR CONSTRUCTION**

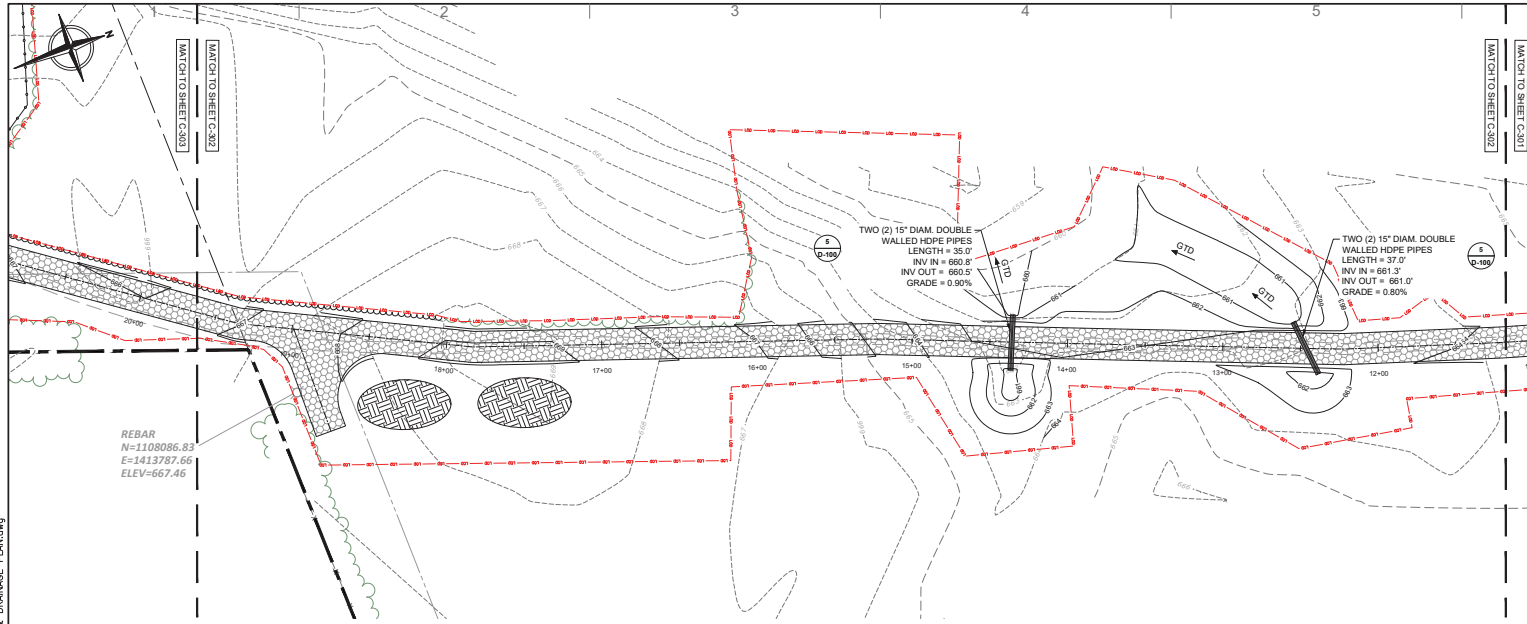
DATE: 07/12/2024  
DRAWN BY: R. DEMILJO  
ENGINEER: R. DEMILJO  
APPROVED BY: R. CHOZICK

PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: AS SHOWN  
SHEET NO.: **C-301**

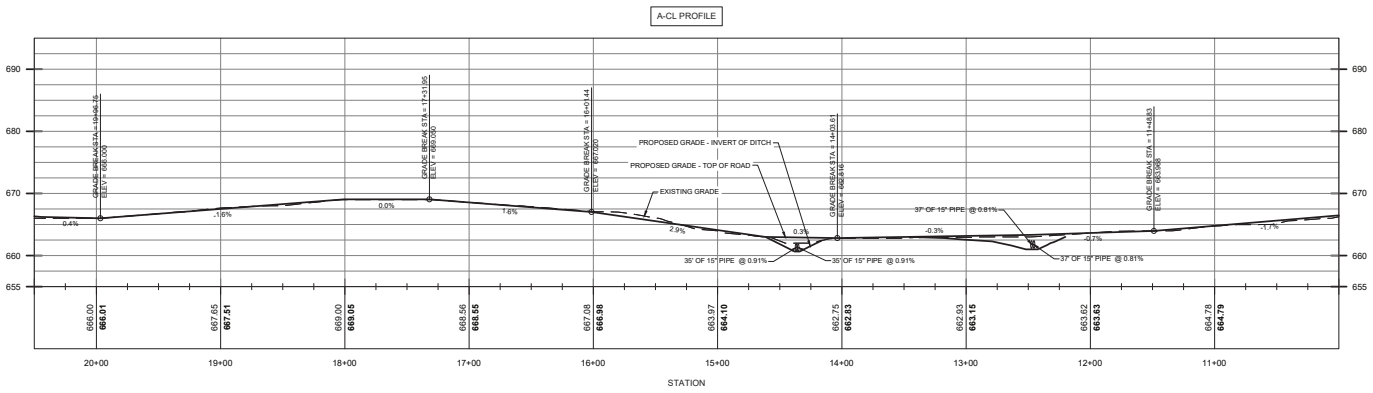
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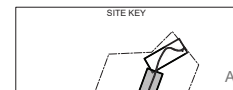
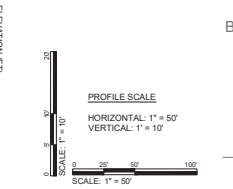


- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - RIGHT OF WAY
  - 100' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYSDEC)
  - EXISTING TREE LINE
  - 500' EXISTING CONTOUR (MAJOR)
  - 501' EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED ACCESS ROAD
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED STORM PIPE
  - 500' PROPOSED CONTOUR (MAJOR)
  - 501' PROPOSED CONTOUR (MINOR)
  - LIMITS OF DISTURBANCE
  - TOPSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION

**1 PLAN**  
**C-302** SCALE: 1" = 40'



- NOTES**
1. STRIP AND STOCKPILE TOPSOIL IN ALL AREAS ANTICIPATED TO BE DISTURBED.
- REFER TO SHEET G-102 FOR ADDITIONAL STOCKPILING INFORMATION.



**2 PROFILE**  
**C-302** SCALE: PROVIDED ON THIS SHEET

**BW SOLAR**  
 69 STATE STREET 13TH FLOOR  
 ALBANY, NY 12207  
 T: +1-518-727-8918  
 WWW.BWSOLAR.COM

**TETRA TECH**  
 TETRA TECH ENGINEERING CORPORATION  
 P.O. CERT #018815  
 3136 SOUTH WINTON ROAD, SUITE 303  
 ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**  
**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14487

TETRA TECH PROJECT NUMBER:  
 194-1264-0006

SHEET TITLE:  
**GRADING & DRAINAGE PLAN**

SHEET SIZE:  
 ANSI "D" FULL BLEED  
 22" X 34" (599 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RD

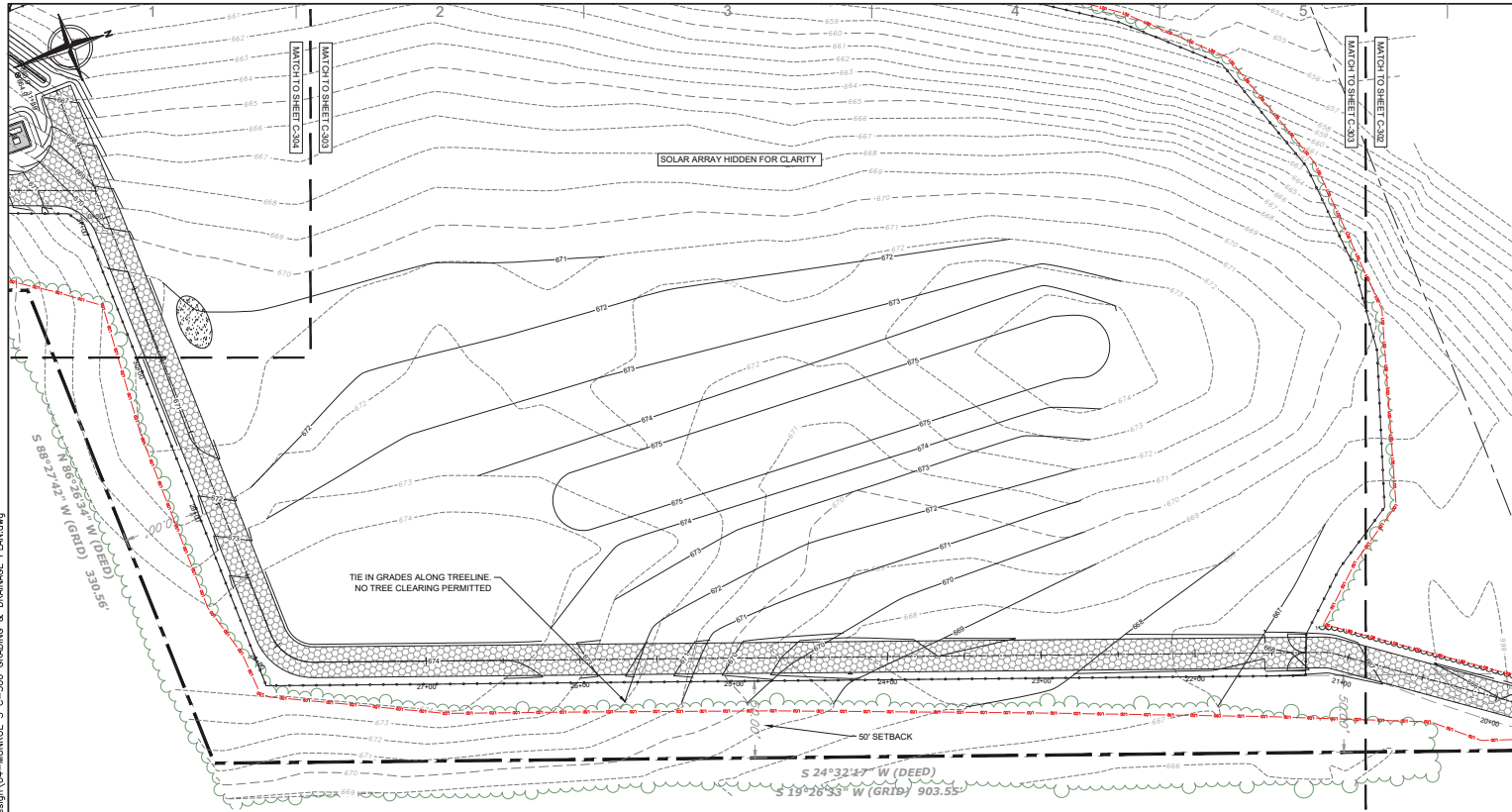
**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
 DRAWN BY: R. DEMILIO  
 ENGINEER: R. DEMILIO  
 APPROVED BY: R. CHOZOK

PROJECT PHASE:  
 ISSUED FOR PERMITTING

SCALE: AS SHOWN  
 SHEET NO.: **C-302**

Printed: 7/11/2024, 2:23 PM X:\BW Solar\05 - Monroe 3\05-Civil Design\04-MONROE 3\_C-300 GRADING & DRAINAGE PLAN.dwg



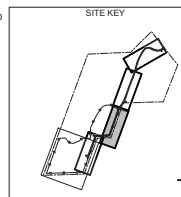
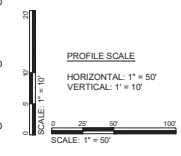
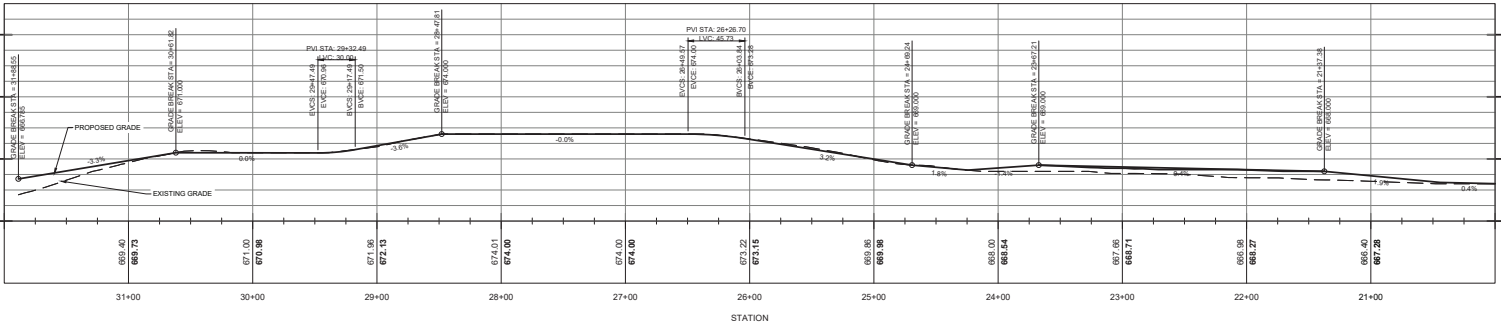
- LEGEND**
- SUBJECT PROPERTY LINE
  - - - ADJOINING PROPERTY LINE
  - - - PROPERTY LINE SETBACK
  - - - ROW
  - - - RIGHT OF WAY
  - - - 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYSDEC)
  - EXISTING TREE LINE
  - 500' EXISTING CONTOUR (MAJOR)
  - 501' EXISTING CONTOUR (MINOR)
  - - - EXISTING STORM PIPE
  - - - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - ▬ PROPOSED ACCESS ROAD
  - ▬ PROPOSED CHAIN LINK FENCE
  - ▬ PROPOSED STORM PIPE
  - 500' PROPOSED CONTOUR (MAJOR)
  - 501' PROPOSED CONTOUR (MINOR)
  - - - LIMITS OF DISTURBANCE
  - TOPOSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION

**NOTES**

STRIP AND STOCKPILE TOPSOIL IN ALL AREAS ANTICIPATED TO BE DISTURBED.

REFER TO SHEET G-102 FOR ADDITIONAL STOCKPILING INFORMATION.

**1 PLAN**  
C-303 SCALE: 1" = 40'



**2 PROFILE**  
C-303 SCALE: PROVIDED ON THIS SHEET

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: 1-585-727-6919  
WWW.BWSOLAR.COM

---

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14487

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
GRADING & DRAINAGE PLAN

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

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**NOT FOR CONSTRUCTION**

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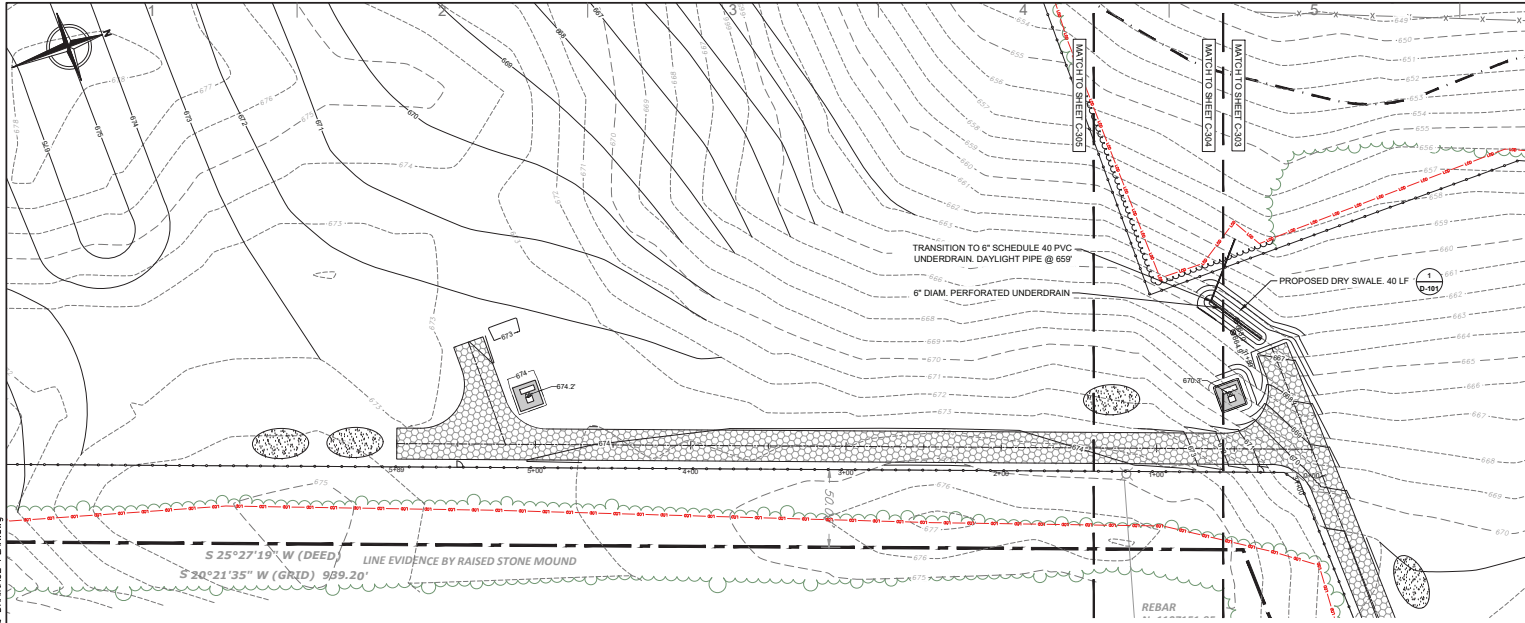
**DATE:** 07/12/2024  
**DRAWN BY:** R. DEMILJO  
**ENGINEER:** R. DEMILJO  
**APPROVED BY:** R. CHOZCK

---

**PROJECT PHASE:** ISSUED FOR PERMITTING  
**SCALE:** AS SHOWN  
**SHEET NO.:** C-303

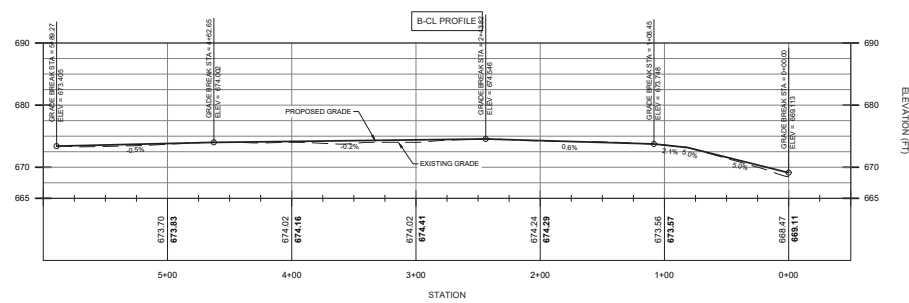
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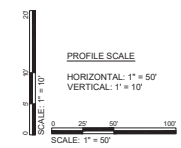
- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - - - PROPERTY LINE SETBACK
  - - - ROW
  - - - RIGHT OF WAY
  - ▨ 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYSDEC)
  - 500 EXISTING TREE LINE
  - 501 EXISTING CONTOUR (MAJOR)
  - 501 EXISTING CONTOUR (MINOR)
  - - - EXISTING STORM PIPE
  - - - EXISTING WIRE FENCE
  - ◇ SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED ACCESS ROAD
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED STORM PIPE
  - 500 PROPOSED CONTOUR (MAJOR)
  - 501 PROPOSED CONTOUR (MINOR)
  - - - LIMITS OF DISTURBANCE
  - TOPSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION

**1 PLAN**  
 C-304 SCALE: 1" = 40'



**2 PROFILE**  
 C-304 SCALE: PROVIDED ON THIS SHEET

- NOTES**
- STRIP AND STOCKPILE TOPSOIL IN ALL AREAS ANTICIPATED TO BE DISTURBED.
- REFER TO SHEET G-102 FOR ADDITIONAL STOCKPILING INFORMATION.



**BW SOLAR**  
 69 STATE STREET 13TH FLOOR  
 ALBANY, NY 12207  
 T: 1-585-77-8918  
 WWW.BWSOLAR.COM

**TETRA TECH**  
 TETRA TECH ENGINEERING CORPORATION  
 P.C. CERT #018815  
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 ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14487

TETRA TECH PROJECT NUMBER:  
 194-1264-0006

SHEET TITLE:  
**GRADING & DRAINAGE PLAN**

SHEET SIZE:  
 ANSI "D" FULL BLEED  
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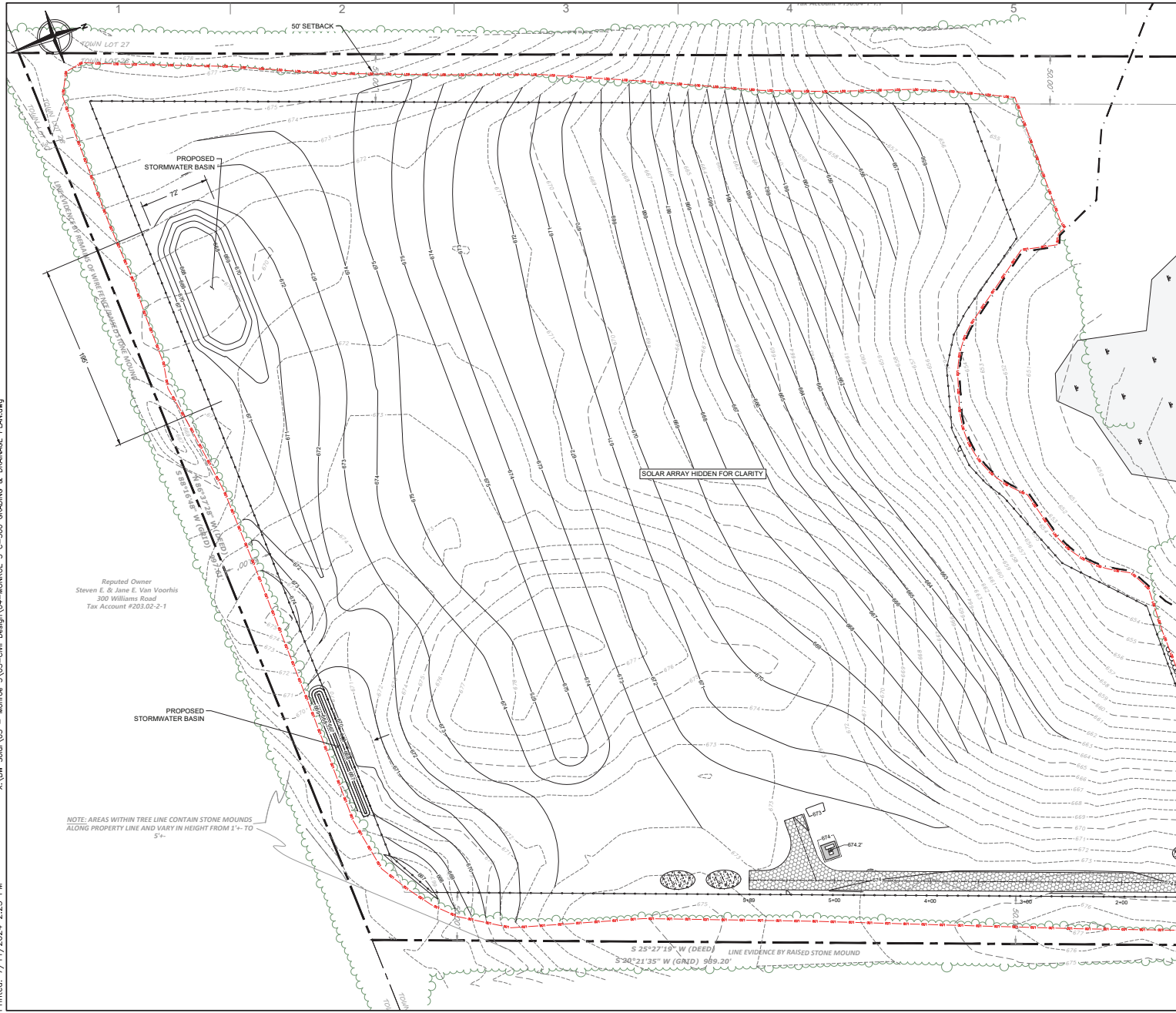
NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZICK

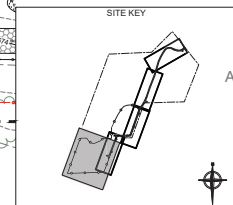
PROJECT PHASE:  
 ISSUED FOR PERMITTING

SCALE: AS SHOWN  
 SHEET NO.: **C-304**



- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - RIGHT OF WAY
  - 100' WETLAND BUFFER
  - DELATED WETLAND (NON-JURISDICTIONAL)
  - DELATED WETLAND (NYSDEC)
  - EXISTING TREE LINE
  - 500' EXISTING CONTOUR (MAJOR)
  - 501' EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - ◇ SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED ACCESS ROAD
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED STORM PIPE
  - 500' PROPOSED CONTOUR (MAJOR)
  - 501' PROPOSED CONTOUR (MINOR)
  - LIMITS OF DISTURBANCE
  - TOPSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION

- NOTES**
1. STRIP AND STOCKPILE TOPSOIL IN ALL AREAS ANTICIPATED TO BE DISTURBED.
- REFER TO SHEET G-102 FOR ADDITIONAL STOCKPILING INFORMATION.



**BW SOLAR**  
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 WWW.BWSOLAR.COM

**TETRA TECH**  
 TETRA TECH ENGINEERING CORPORATION  
 P.O. CERT #018815  
 3136 SOUTH WINTON ROAD, SUITE 303  
 ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
 194-1264-0006

SHEET TITLE:  
**GRADING & DRAINAGE PLAN**

SHEET SIZE:  
 ANSI "D" FULL BLEED  
 22" X 34" (599 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

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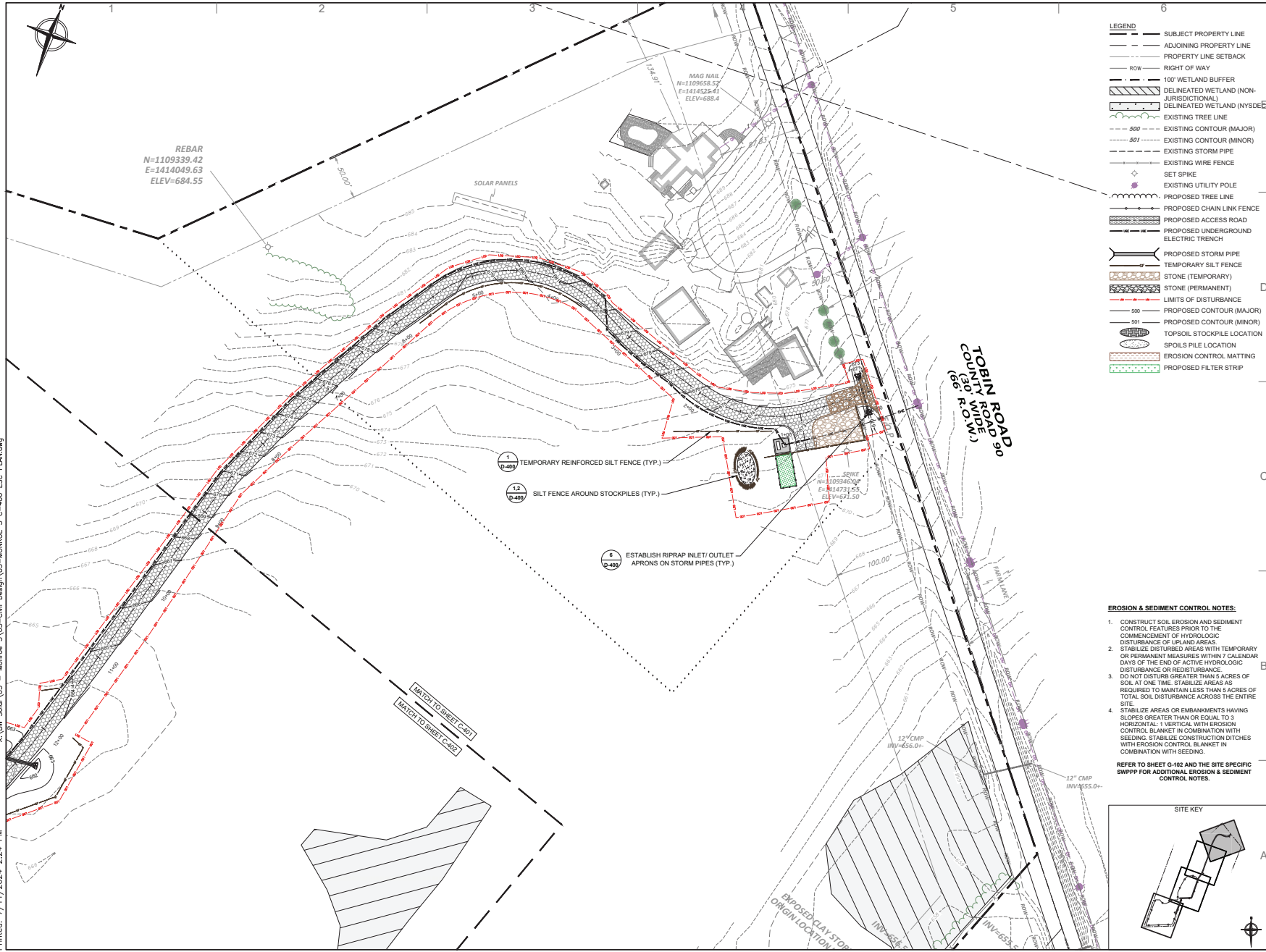
DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZOK

PROJECT PHASE:  
 ISSUED FOR PERMITTING

SCALE: 1" = 50'  
 SCALE: 1" = 50'

SHEET NO.:  
**C-305**

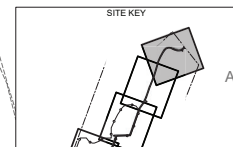
Printed: 7/11/2024, 2:24 PM X:\BW Solar\05 - Monroe, 3\05-Civil-Design\05-MONROE 3\_C-400\_ESC\_Plan.dwg




- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW RIGHT OF WAY
  - 100' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYSDES)
  - EXISTING TREE LINE
  - 500 EXISTING CONTOUR (MAJOR)
  - 501 EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED ACCESS ROAD
  - PROPOSED UNDERGROUND ELECTRIC TRENCH
  - PROPOSED STORM PIPE
  - TEMPORARY SILT FENCE
  - STONE (TEMPORARY)
  - STONE (PERMANENT)
  - LIMITS OF DISTURBANCE
  - 500 PROPOSED CONTOUR (MAJOR)
  - 501 PROPOSED CONTOUR (MINOR)
  - TOPSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION
  - EROSION CONTROL MATTING
  - PROPOSED FILTER STRIP

- EROSION & SEDIMENT CONTROL NOTES:**
1. CONSTRUCT SOIL EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
  2. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDEVELOPMENT.
  3. DO NOT DISTURB GREATER THAN 5 ACRES OF SOIL AT ONE TIME. STABILIZE AREAS AS REQUIRED TO MAINTAIN LESS THAN 5 ACRES OF TOTAL SOIL DISTURBANCE ACROSS THE ENTIRE SITE.
  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.


REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL EROSION & SEDIMENT CONTROL NOTES.





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---




**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

---

**STAMP:**



STATE OF NEW YORK  
ROBERT CHOZICK  
094205  
LICENSED PROFESSIONAL ENGINEER

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
**EROSION & SEDIMENT CONTROL PLAN**

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

---

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCJ

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**NOT FOR CONSTRUCTION**

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**DATE:** 07/12/2024  
**DRAWN BY:** R. DEMILJO  
**ENGINEER:** R. DEMILJO  
**APPROVED BY:** R. CHOZICK

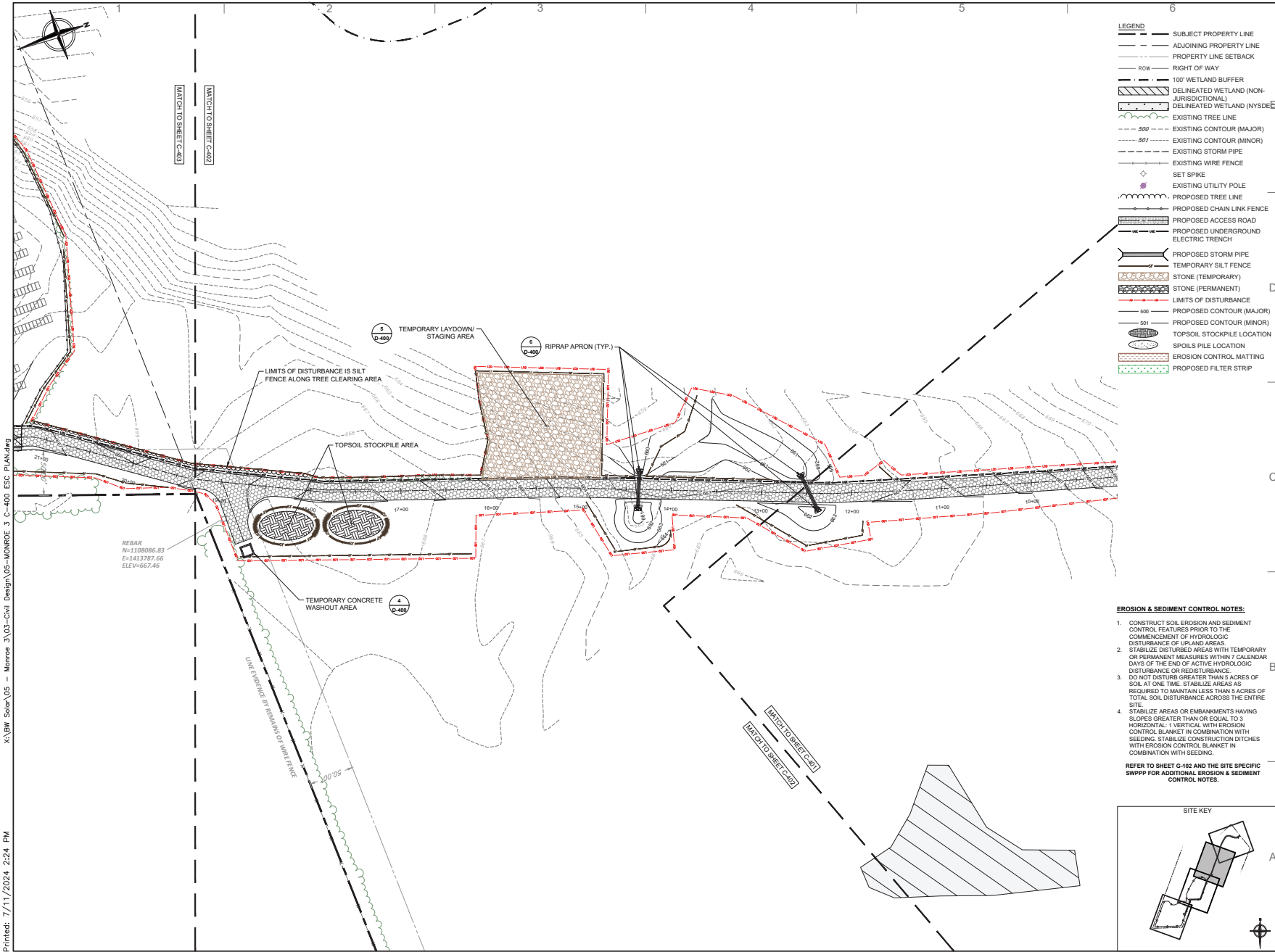
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**PROJECT PHASE:**  
ISSUED FOR PERMITTING

**SCALE:** 1" = 50'  
SCALE: 1" = 50'

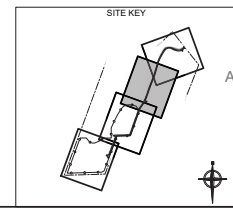
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**SHEET NO.:**  
**C-401**



- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - 100' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYS/DE)
  - EXISTING TREE LINE
  - 500 EXISTING CONTOUR (MAJOR)
  - 501 EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - ◆ SET SPIKE
  - ◆ EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED ACCESS ROAD
  - PROPOSED UNDERGROUND ELECTRIC TRENCH
  - PROPOSED STORM PIPE
  - TEMPORARY SILT FENCE
  - STONE (TEMPORARY)
  - STONE (PERMANENT)
  - 500 PROPOSED CONTOUR (MAJOR)
  - 501 PROPOSED CONTOUR (MINOR)
  - SPOILS PILE LOCATION
  - TOPSOIL STOCKPILE LOCATION
  - EROSION CONTROL MATTING
  - PROPOSED FILTER STRIP


- EROSION & SEDIMENT CONTROL NOTES:**
1. CONSTRUCT SOIL EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
  2. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
  3. DO NOT DISTURB GREATER THAN 5 ACRES OF SOIL AT ONE TIME. STABILIZE AREAS AS REQUIRED TO MAINTAIN LESS THAN 5 ACRES OF TOTAL SOIL DISTURBANCE ACROSS THE ENTIRE SITE.
  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.
- REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL EROSION & SEDIMENT CONTROL NOTES.





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---



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ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14487

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

---

**SHEET TITLE:**  
**EROSION & SEDIMENT CONTROL PLAN**

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

---

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

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**NOT FOR CONSTRUCTION**

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**DATE:** 07/12/2024  
**DRAWN BY:** R. DEMILJO  
**ENGINEER:** R. DEMILJO  
**APPROVED BY:** R. CHOZICK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

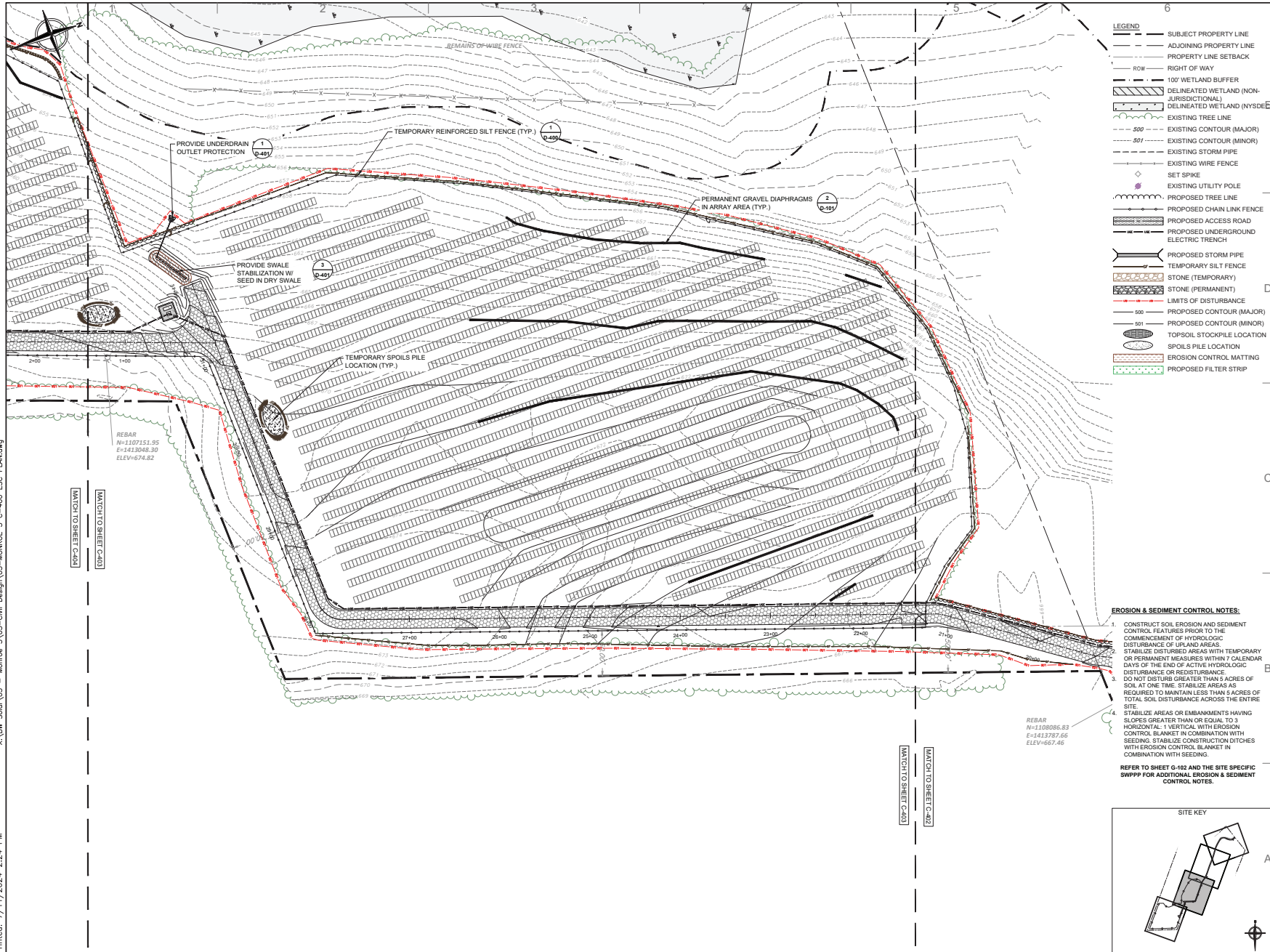
**SCALE:** 0 25 50 100'  
SCALE: 1" = 50'

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**SHEET NO.:**  
**C-402**

Printed: 7/11/2024, 2:24 PM X:\BW Solar\05 - Monroe\_3\05-Civil Design\05-MONROE 3\_C-402\_ESC\_PLAN.dwg





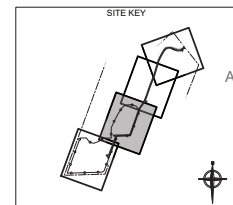
**LEGEND**

- - - SUBJECT PROPERTY LINE
- - - ADJOINING PROPERTY LINE
- - - PROPERTY LINE SETBACK
- - - ROW RIGHT OF WAY
- - - 100' WETLAND BUFFER
- - - DELINEATED WETLAND (NON-JURISDICTIONAL)
- - - DELINEATED WETLAND (NYS DEC)
- - - EXISTING TREE LINE
- - - 500' EXISTING CONTOUR (MAJOR)
- - - 501' EXISTING CONTOUR (MINOR)
- - - EXISTING STORM PIPE
- - - EXISTING WIRE FENCE
- - - SET SPIKE
- - - EXISTING UTILITY POLE
- - - PROPOSED TREE LINE
- - - PROPOSED CHAIN LINK FENCE
- - - PROPOSED ACCESS ROAD
- - - PROPOSED UNDERGROUND ELECTRIC TRENCH
- - - PROPOSED STORM PIPE
- - - TEMPORARY SILT FENCE
- - - STONE (TEMPORARY)
- - - STONE (PERMANENT)
- - - LIMITS OF DISTURBANCE
- - - 500' PROPOSED CONTOUR (MAJOR)
- - - 501' PROPOSED CONTOUR (MINOR)
- - - TOPSOIL STOCKPILE LOCATION
- - - SPOILS PILE LOCATION
- - - EROSION CONTROL MATTING
- - - PROPOSED FILTER STRIP

**EROSION & SEDIMENT CONTROL NOTES:**

1. CONSTRUCT SOIL EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE. DO NOT DISTURB GREATER THAN 5 ACRES OF SOIL AT ONE TIME. STABILIZE AREAS AS REQUIRED TO MAINTAIN LESS THAN 5 ACRES OF TOTAL SOIL DISTURBANCE ACROSS THE ENTIRE SITE.
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REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL EROSION & SEDIMENT CONTROL NOTES.



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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

---

SHEET TITLE:  
**EROSION & SEDIMENT CONTROL PLAN**

---

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

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NOT FOR CONSTRUCTION

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DATE: 07/12/2024  
 DRAWN BY: R. DEMILJO  
 ENGINEER: R. DEMILJO  
 APPROVED BY: R. CHOZICK

---

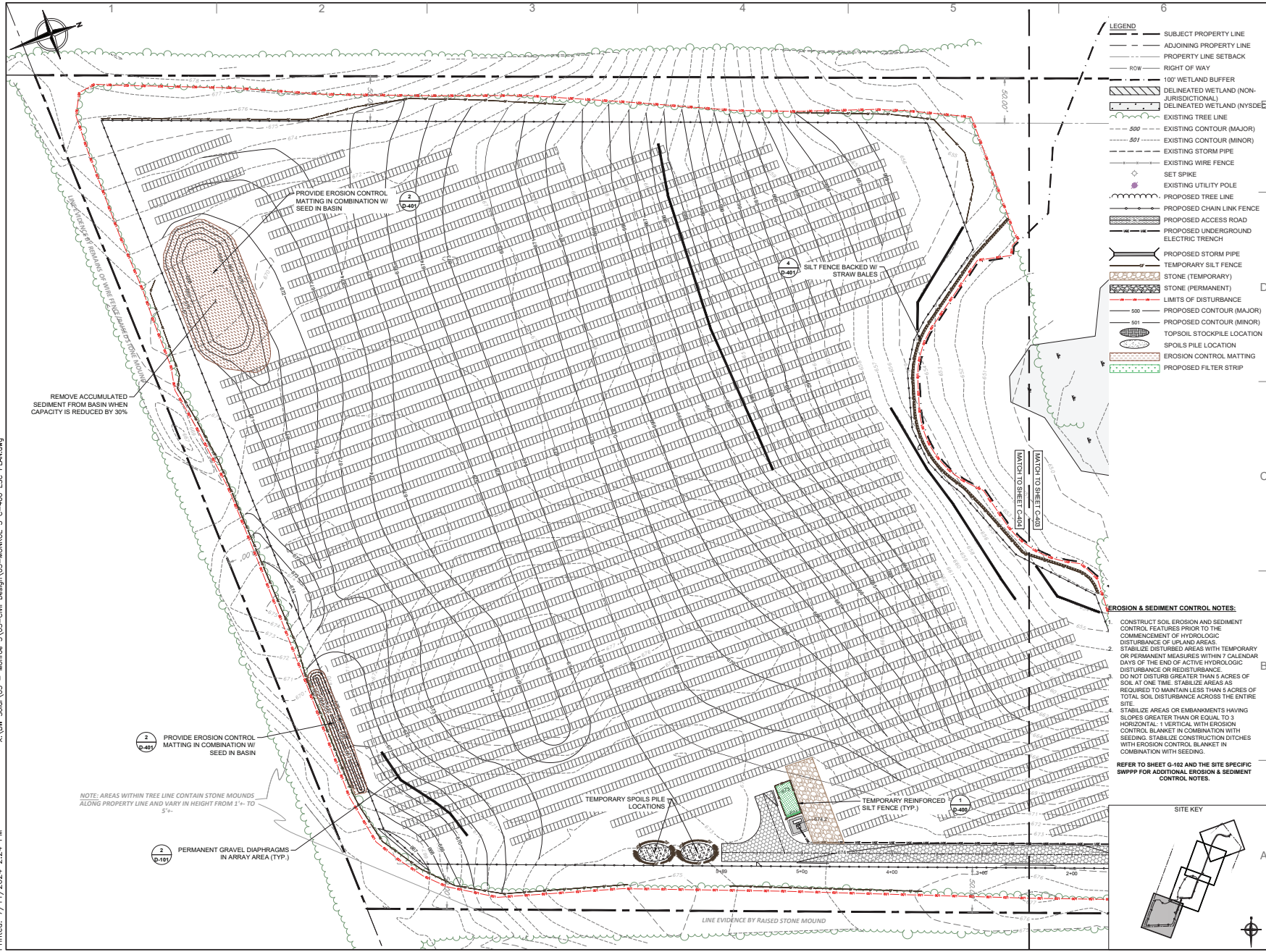
PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: 1" = 20'  
SCALE: 1" = 50'

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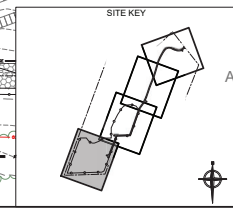
SHEET NO.:  
**C-403**


Printed: 7/11/2024, 2:24 PM X:\BW Solar\05 - Monroe 3\05-Civil Design\05-MONROE 3\_C-400\_ESC\_Plan.dwg



- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - ROW
  - RIGHT OF WAY
  - 100' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYS/DE)
  - EXISTING TREE LINE
  - 500 --- EXISTING CONTOUR (MAJOR)
  - 501 --- EXISTING CONTOUR (MINOR)
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED TREE LINE
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED ACCESS ROAD
  - PROPOSED UNDERGROUND ELECTRIC TRENCH
  - PROPOSED STORM PIPE
  - TEMPORARY SILT FENCE
  - STONE (TEMPORARY)
  - STONE (PERMANENT)
  - 500 --- PROPOSED CONTOUR (MAJOR)
  - 501 --- PROPOSED CONTOUR (MINOR)
  - TOPSOIL STOCKPILE LOCATION
  - SPOILS PILE LOCATION
  - EROSION CONTROL MATTING
  - PROPOSED FILTER STRIP


- EROSION & SEDIMENT CONTROL NOTES:**
1. CONSTRUCT SOIL EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
  2. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE. DO NOT DISTURB GREATER THAN 5 ACRES OF SOIL AT ONE TIME. STABILIZE AREAS AS REQUIRED TO MAINTAIN LESS THAN 5 ACRES OF TOTAL SOIL DISTURBANCE ACROSS THE ENTIRE SITE.
  3. 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.
  4. REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL EROSION & SEDIMENT CONTROL NOTES.





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**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION  
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ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14487

---

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

---

SHEET TITLE:  
**EROSION & SEDIMENT CONTROL PLAN**

---

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

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**NOT FOR CONSTRUCTION**

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DATE: 07/12/2024  
DRAWN BY: R. DEMILJO  
ENGINEER: R. DEMILJO  
APPROVED BY: R. CHOZICK

---

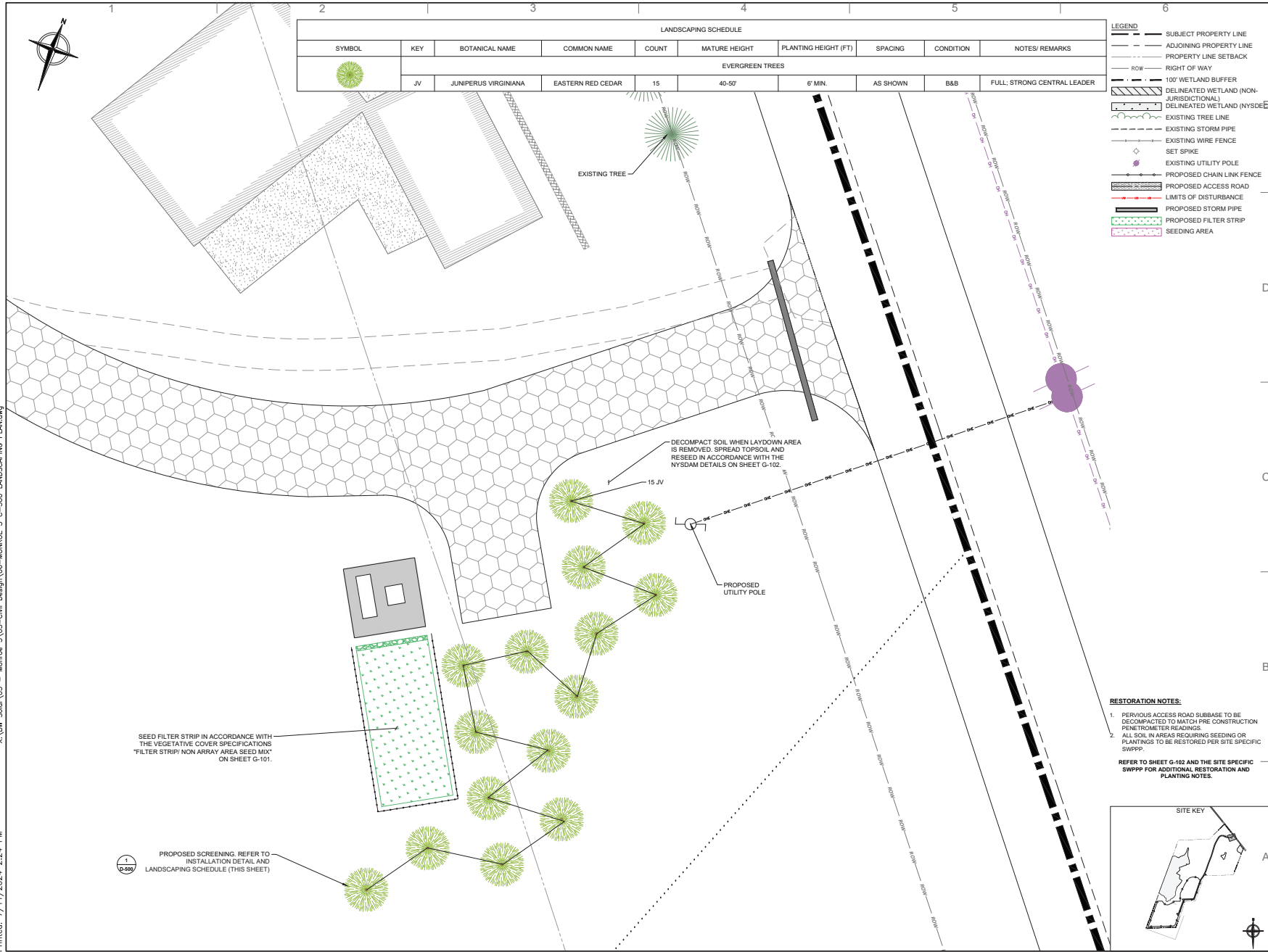
PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: 1" = 20'  
SCALE: 1" = 50'

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SHEET NO.:  
**C-404**

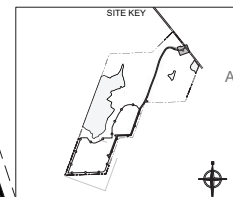
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LANDSCAPING SCHEDULE									
SYMBOL	KEY	BOTANICAL NAME	COMMON NAME	COUNT	MATURE HEIGHT	PLANTING HEIGHT (FT)	SPACING	CONDITION	NOTES/REMARKS
EVERGREEN TREES									
	JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	15	40-50'	6" MIN.	AS SHOWN	B&B	FULL, STRONG CENTRAL LEADER

LEGEND	
	SUBJECT PROPERTY LINE
	ADJOINING PROPERTY LINE
	PROPERTY LINE SETBACK
	RIGHT OF WAY
	100' WETLAND BUFFER
	DELINEATED WETLAND (NON-JURISDICTIONAL)
	DELINEATED WETLAND (NYSDEC)
	EXISTING TREE LINE
	EXISTING STORM PIPE
	EXISTING WIRE FENCE
	SET SPIKE
	EXISTING UTILITY POLE
	PROPOSED CHAIN LINK FENCE
	PROPOSED ACCESS ROAD
	LIMITS OF DISTURBANCE
	PROPOSED STORM PIPE
	PROPOSED FILTER STRIP
	SEEDING AREA

- RESTORATION NOTES:**
- PERVIOUS ACCESS ROAD SUBBASE TO BE DECOMPACTED TO MATCH PRE CONSTRUCTION PERIMETER REFININGS.
  - ALL SOIL IN AREAS REQUIRING SEEDING OR PLANTINGS TO BE RESTORED PER SITE SPECIFIC SWPPP.
- REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL RESTORATION AND PLANTING NOTES.



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---

**TETRA TECH**

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3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

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STAMP:

ROBERT CROFT  
094205  
LICENSED PROFESSIONAL ENGINEER

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

---

SHEET TITLE:  
**RESTORATION PLAN**

---

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 x 864)

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DATE: 07/12/2024  
DRAWN BY: R. DEMILJO  
ENGINEER: R. DEMILJO  
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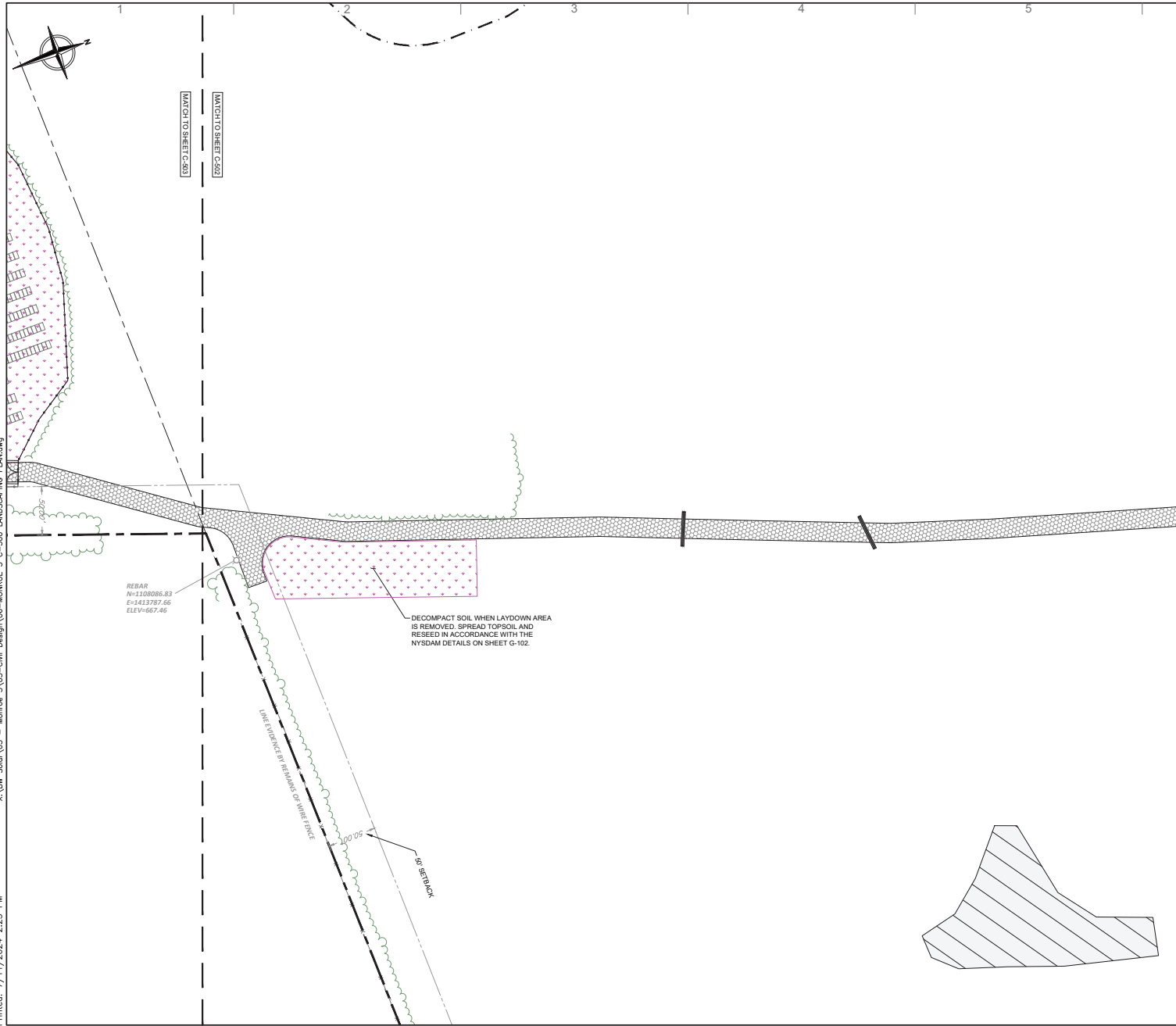
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PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE: 0 5 10 20'  
SCALE: 1" = 10'

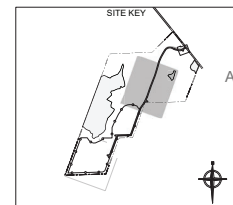
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SHEET NO.:  
**C-501**



- LEGEND**
- SUBJECT PROPERTY LINE
  - - - ADJOINING PROPERTY LINE
  - - - PROPERTY LINE SETBACK
  - ROW — RIGHT OF WAY
  - 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYSDEM)
  - EXISTING TREE LINE
  - - - EXISTING STORM PIPE
  - - - EXISTING WIRE FENCE
  - ◇ SET SPIKE
  - EXISTING UTILITY POLE
  - PROPOSED CHAIN LINK FENCE
  - ▨ PROPOSED ACCESS ROAD
  - ▨ LIMITS OF DISTURBANCE
  - ▨ PROPOSED STORM PIPE
  - ▨ PROPOSED FILTER STRIP
  - ▨ SEEDING AREA

- RESTORATION NOTES:**
- PERVIOUS ACCESS ROAD SUBBASE TO BE DECOMPACTED TO MATCH PRE CONSTRUCTION PNEUMONETER READINGS.
  - ALL SOIL IN AREAS REQUIRING SEEDING OR PLANTINGS TO BE RESTORED PER SITE SPECIFIC SWPPP.
- REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL RESTORATION AND PLANTING NOTES.



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ROCHESTER, NY 14623

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**STAMP:**

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

---

**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

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**SHEET TITLE:**  
RESTORATION PLAN

---

**SHEET SIZE:**  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

---

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCJ

---

**NOT FOR CONSTRUCTION**

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DATE: 07/12/2024  
 DRAWN BY: R. DEMILIO  
 ENGINEER: R. DEMILIO  
 APPROVED BY: R. CHOZICK

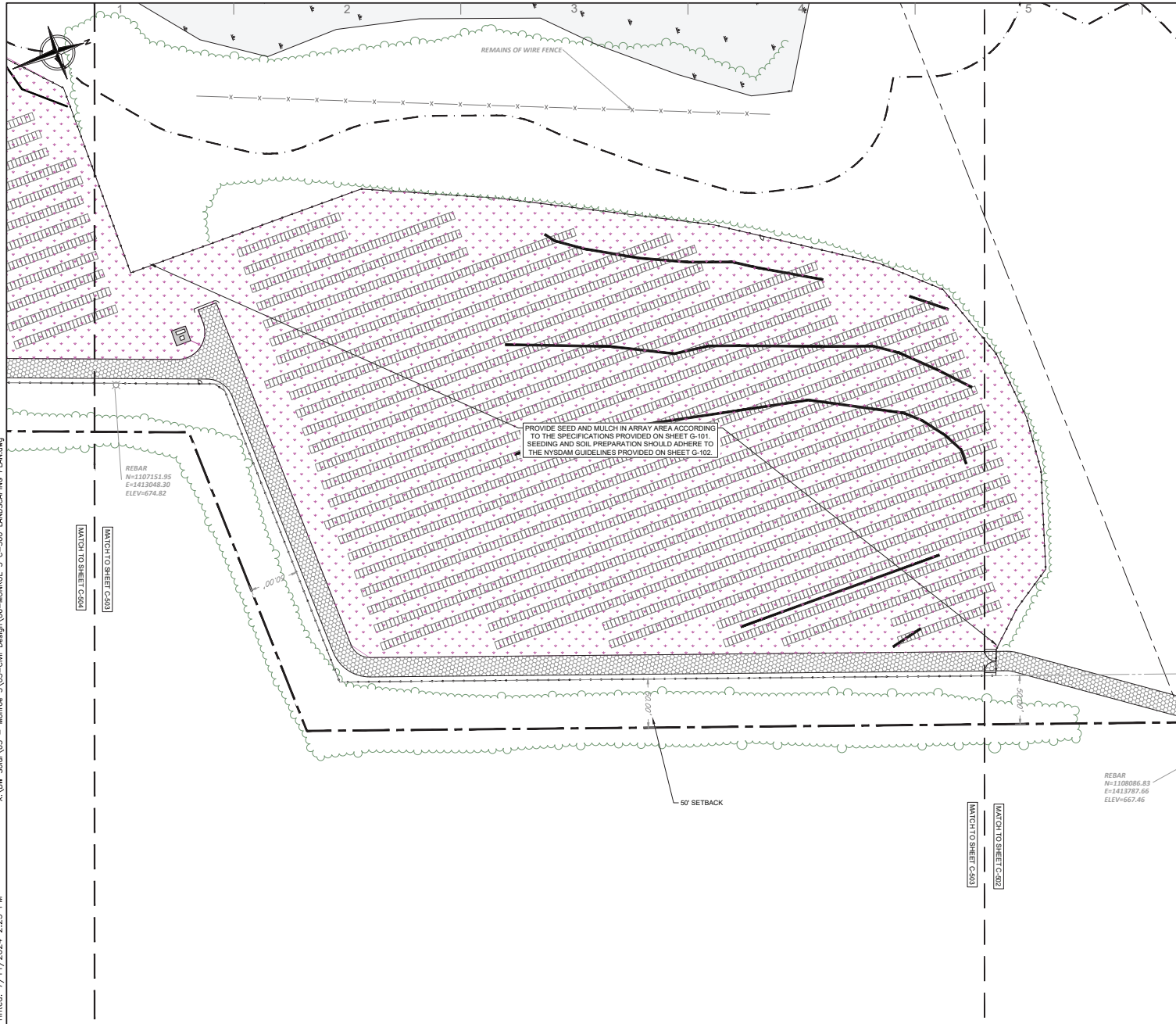
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**PROJECT PHASE:**  
ISSUED FOR PERMITTING

SCALE: 0 25 50 100'  
 SCALE: 1" = 50'

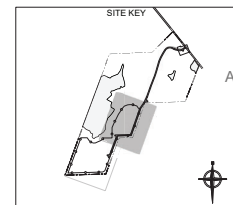
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**SHEET NO.:**  
**C-502**



- LEGEND**
- SUBJECT PROPERTY LINE
  - ADJOINING PROPERTY LINE
  - PROPERTY LINE SETBACK
  - RIGHT OF WAY
  - 100' WETLAND BUFFER
  - DELINEATED WETLAND (NON-JURISDICTIONAL)
  - DELINEATED WETLAND (NYSOAM)
  - EXISTING TREE LINE
  - EXISTING STORM PIPE
  - EXISTING WIRE FENCE
  - ◇ SET SPIKE
  - ◇ EXISTING UTILITY POLE
  - PROPOSED CHAIN LINK FENCE
  - PROPOSED ACCESS ROAD
  - LIMITS OF DISTURBANCE
  - PROPOSED STORM PIPE
  - PROPOSED FILTER STRIP
  - SEEDING AREA

- RESTORATION NOTES:**
1. PERVIOUS ACCESS ROAD SUBBASE TO BE DECOMPACTED TO MATCH PRE CONSTRUCTION PERIMETER READINGS.
  2. ALL SOIL IN AREAS REQUIRING SEEDING OR PLANTINGS TO BE RESTORED PER SITE SPECIFIC SWPPP.
- REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL RESTORATION AND PLANTING NOTES.



**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
ALBANY, NY 12207  
T: +1-585-72-6918  
WWW.BWSOLAR.COM

---

**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14487

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**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

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RESTORATION PLAN

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A	30% DESIGN	07/12/2024	RCD

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**NOT FOR CONSTRUCTION**

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**DATE:** 07/12/2024  
**DRAWN BY:** R. DEMILIO  
**ENGINEER:** R. DEMILIO  
**APPROVED BY:** R. CHOZICK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

**SCALE:** 1" = 20'  
SCALE: 1" = 50'

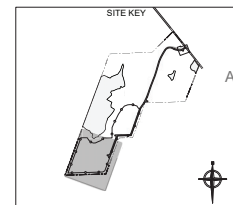
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**SHEET NO.:**  
**C-503**



- LEGEND**
- SUBJECT PROPERTY LINE
  - - - ADJOINING PROPERTY LINE
  - - - PROPERTY LINE SETBACK
  - - - ROW
  - - - RIGHT OF WAY
  - ▨ 100' WETLAND BUFFER
  - ▨ DELINEATED WETLAND (NON-JURISDICTIONAL)
  - ▨ DELINEATED WETLAND (NYS DEC)
  - - - EXISTING TREE LINE
  - - - EXISTING STORM PIPE
  - - - EXISTING WIRE FENCE
  - ◇ SET SPIKE
  - EXISTING UTILITY POLE
  - - - PROPOSED CHAIN LINK FENCE
  - ▨ PROPOSED ACCESS ROAD
  - ▨ LIMITS OF DISTURBANCE
  - - - PROPOSED STORM PIPE
  - - - PROPOSED FILTER STRIP
  - ▨ SEEDING AREA

- RESTORATION NOTES:**
- PERVIOUS ACCESS ROAD SUBBASE TO BE DECOMPACTED TO MATCH PRE CONSTRUCTION PNE TROMETER READINGS.
  - ALL SOIL IN AREAS REQUIRING SEEDING OR PLANTINGS TO BE RESTORED PER SITE SPECIFIC SWPPP.
- REFER TO SHEET G-102 AND THE SITE SPECIFIC SWPPP FOR ADDITIONAL RESTORATION AND PLANTING NOTES.



**BW SOLAR**  
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---

**TETRA TECH**  
TETRA TECH ENGINEERING CORPORATION  
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ROCHESTER, NY 14623

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**NY CDG MONROE 3 LLC**

**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

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**TETRA TECH PROJECT NUMBER:**  
194-1264-0006

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**SHEET TITLE:**  
RESTORATION PLAN

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**SHEET SIZE:**  
ANSI "D" FULL BLEED  
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A	30% DESIGN	07/12/2024	RCM

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**NOT FOR CONSTRUCTION**

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**DATE:** 07/12/2024  
**DRAWN BY:** R. DEMILJO  
**ENGINEER:** R. DEMILJO  
**APPROVED BY:** R. CHOZICK

---

**PROJECT PHASE:**  
ISSUED FOR PERMITTING

**SCALE:** 1" = 50'  
SCALE: 1" = 50'

---

**SHEET NO.:**  
**C-504**

Printed: 7/11/2024, 2:26 PM X:\BW Solar\05 - Monroe, 3\05-Civil Design\MONROE\_3\_D-100\_CIVIL\_DETAILS.dwg

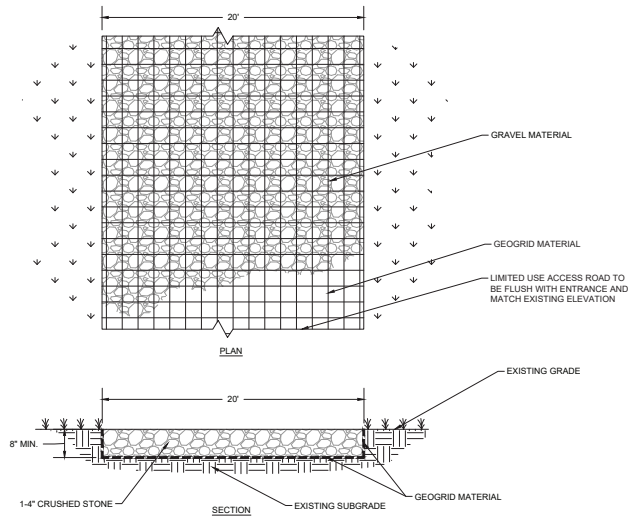
**GENERAL NOTES FOR LIMITED USE PERVIOUS ACCESS ROAD:**

- BE RESPONSIBLE FOR AND DESIGN HAUL ROAD FOR CONSTRUCTION USE.
- PERVIOUS ACCESS ROAD IS LIMITED TO MINIMAL USE ONLY (I.E., MAINTENANCE AND EMERGENCY RESPONSE.)
- LIMITED TO LOW TRAFFIC LOW IMPACT MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
- WHERE NECESSARY, GRADE ROADWAY TO DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE MAY BE REQUIRED.
- REMOVE REFUSE SOILS AS DIRECTED BY PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS ROAD SHOULD NOT EXCEED 13%.
- ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION. ROAD IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE ONLY. SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS.
- COMPARE PENETROMETER READINGS TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION. COLLECT PENETROMETER READINGS EVERY 100 L.F. ALONG THE PROPOSED ROADWAY. COLLECT POST PENETROMETER READINGS BASED FROM LOCATIONS THAT ARE VISUALLY IMPACTED BY VEHICLE TRAFFIC AND COMPACTION. PROVIDE READINGS AND LOCATIONS TO ENGINEER OF RECORD.
- DO NOT USE CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. ON ACCESS ROAD TO PREVENT SOIL FROM BEING TRACKED ONTO ACCESS ROAD. IF THE LIMITED USE PERVIOUS ACCESS ROAD IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, CONSTRUCT AND UTILIZE A STANDARD NEW YORK STATE STABILIZED CONSTRUCTION ACCESS TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON OR OFF SITE. MAINTAIN ACCESS ROAD IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE. CONSTRUCTION USE OF THE ACCESS ROAD MAY REQUIRE DECOMPACTION OF THE SUBSURFACE OF THE ACCESS ROAD.
- DO NOT CONSTRUCT OR USE UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE ACCESS ROAD HAVE ACHIEVED FINAL STABILIZATION.
- SUBGRADE COMPACTION IS NOT REQUIRED.
- UTILIZE WOVEN GEOTEXTILE MATERIAL IN AREAS OF POOR DRAINAGE. AS DETAILED IN THE FOLLOWING NOTES.
- ESTABLISH A PERENNIAL VEGETATIVE COVER, CONSISTING OF UNIFORM VEGETATION 20 FEET WIDE AND PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.

**GEOTRID MATERIAL NOTES:**

- THE GEOTRID IS INTENDED FOR USE FOR ALL CONDITIONS, TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
- USE GRAVEL FILL MATERIAL CONSISTING OF 1-4" CLEAN, CURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYS DOT ITEM 703-02. SIZE DESIGNATION 3-5 OF TABLE 7803-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. DO NOT COMPACT GRAVEL.
- USE MIRAFI BXG110 OR APPROVED EQUAL. DESIGN GEOTRID BASED ON EXISTING SOIL CONDITIONS.
- IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF 6".
- REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYS DOT ITEM 703-02 SPECIFICATIONS.

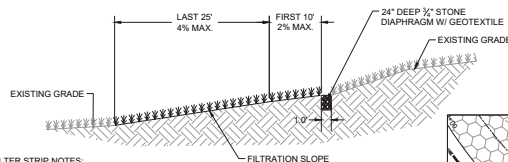
**BASIS OF DESIGN:** TENCATE MIRAFI BXG110 GEOTRIDS;  
365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA;  
800-685-6990 OR 706-693-2226. WWW.MIRAFI.COM



**PERVIOUS ACCESS ROAD (GEOTRID) 5% - 10% SLOPES**

**DETAIL 1**

SCALE: N.T.S. D-100

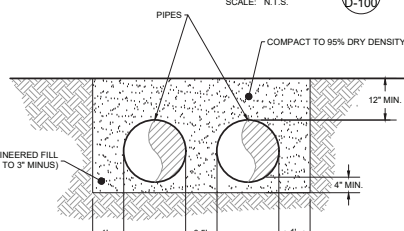


**FILTER STRIP NOTES:**

- FILTRATION SLOPE SHALL BE FULLY VEGETATED AND PROTECTED DURING CONSTRUCTION.
- DECOMPACT SOIL FOR FILTRATION SLOPE. REPLACE WITH TOPSOIL NEEDED FOR VEGETATION ESTABLISHMENT IN POORLY DRAINED SOILS TO A MIN DEPTH OF 12 IN.

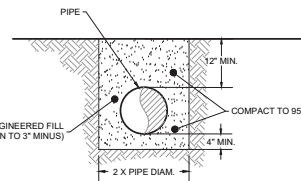
**FILTER STRIP DETAIL 4**

SCALE: N.T.S. D-100



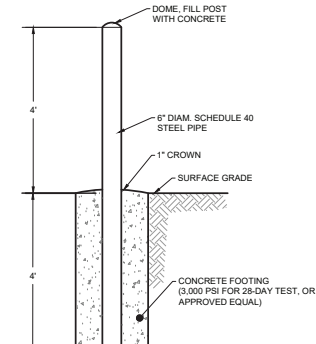
**DETAIL 5**

SCALE: N.T.S. D-100



**PIPE TRENCH DETAIL 3**

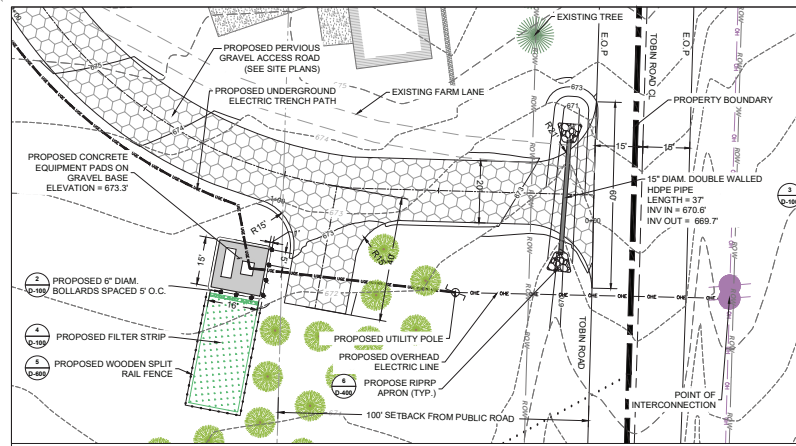
SCALE: N.T.S. D-100



**6" DIAM. BOLLARD DETAIL 2**

SCALE: N.T.S. D-100

- NOTES:**
- EXPOSED PORTION OF STEEL PIPE TO BE PAINTED WITH REFLECTIVE YELLOW COATING.
  - LOCATE BETWEEN ROAD AND STRUCTURE TO BE PROTECTED.



**SITE ENTRANCE INSET 6**

SCALE: 1" = 20' D-100

SCALE: 1" = 20'

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TETRA TECH PROJECT NUMBER:  
**194-1264-0006**

SHEET TITLE:  
**SITE DETAILS**

SHEET SIZE:  
ANSI "D" FULL BLEED  
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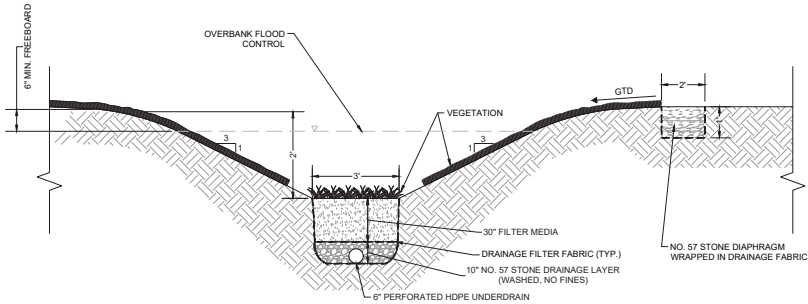
**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
DRAWN BY: R. DEMILJO  
ENGINEER: R. DEMILJO  
APPROVED BY: R. CHOZICK

PROJECT PHASE:  
ISSUED FOR PERMITTING  
SCALE: N/A

SHEET NO.:  
**D-100**

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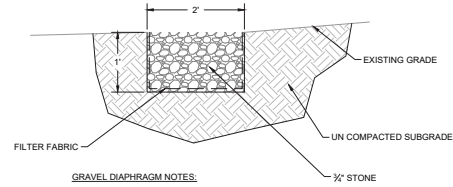


**DRY SWALE NOTES:**

1. FILTER MEDIA SHALL CONSIST OF ASTM C-33 SAND (75% - 85%) AND TOPSOIL (15% - 20%). THE ORGANIC COMPONENT FOR TOPSOIL SHALL NOT CONSIST OF COMPOST. ENSURE MIXTURE IS UNIFORM BY COMBINING MATERIAL BEFORE BACKFILLING INTO TRENCH.
2. DRAINAGE FILTER FABRIC TO BE MIRAFI S800 OR OTHER NON WOVEN FABRIC POLYPROPYLENE GEOTEXTILE WITH A FLOW RATE GREATER THAN 125 GPM/SF (ASTM D4491) AND APPARENT OPENING SIZE US #70 SIEVE (ASTM D4751).
3. ONCE EXCAVATION OF FEATURE IS COMPLETE, STABILIZE SWALE BANKS AND BOTTOM WITH A COMBINATION OF SEED AND EROSION CONTROL MATTING.

**DRY SWALE  
DETAIL**

SCALE: N.T.S. 1  
D-101



**GRAVEL DIAPHRAGM NOTES:**

1. FILTER FABRIC SHALL BE MIRAFI 180-N OR OTHER CLASS "C" CRITERIA FILTER FABRIC EQUIVALENT.
2. INSTALL PRACTICE ONCE REVIVING AREAS ARE STABILIZED, OR IMPLEMENT ADEQUATE SEDIMENT BARRIER DURING CONSTRUCTION.

**GRAVEL DIAPHRAGM  
DETAIL**

SCALE: N.T.S. 2  
D-101

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
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T: +1-585-77-8918  
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**SITE DETAILS**

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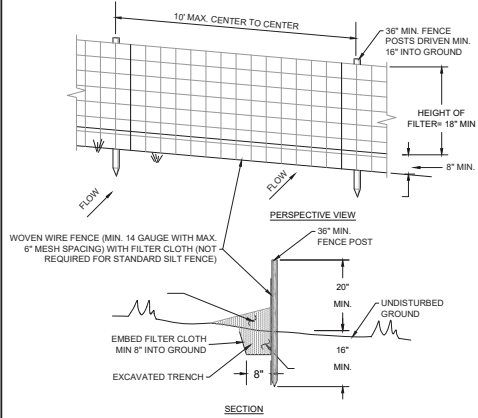
PROJECT PHASE:  
ISSUED FOR PERMITTING  
SCALE: N/A  
SHEET NO.:

D-101



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1 2 3 4 5 6



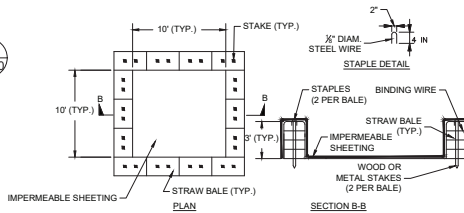
- SILT FENCE NOTES:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
  - 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.
  - PERFORM MAINTENANCE AS NEEDED AND REMOVE MATERIALS WHEN "BULGES" DEVELOP IN THE SILT FENCE.
  - USE SILT FENCE WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
  - 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.
  - 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)		
<2%	<5:1	300/1500	N/A	N/A
2-10%	5:1 TO 10:1	125/1000	250/2000	300/2500
10-20%	10:1 TO 5:1	100/750	150/1000	200/1000
20-35%	5:1 TO 3:1	60/500	80/750	100/1000
35-50%	3:1 TO 2:1	40/250	70/350	100/500
>50%	>2:1	20/125	30/175	50/250

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

**REINFORCED SILT FENCE  
DETAIL**

SCALE: N.T.S. 1 D-400



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

**WASHOUT STRUCTURE WITH STRAW BALES**

**CONCRETE TRUCK WASHOUT AREA NOTES:**

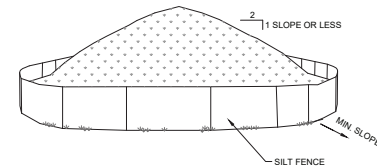
- LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATER.
- PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD.
- PROVIDE A GRAVEL ACCESS ROAD TO FACILITY THAT IS SLOPED DOWN TO FACILITY.
- PLACE SIGNS TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.
- 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.
- 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:**

- ALL FACILITIES MUST BE INSPECTED DAILY.
- DEACTIVATE DAMAGED OR LEAKING FACILITIES AND REPAIR OR REPLACE IMMEDIATELY.
- PUMP EXCESS ACCUMULATED RAINWATER OVER HARDENED CONCRETE TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
- 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.
- REPLACE THE PLASTIC LINER WITH EACH CLEANING OF THE FACILITY.
- INSPECT PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

**CONCRETE WASHOUT AREA**

**DETAIL**  
SCALE: N.T.S. 4 D-400



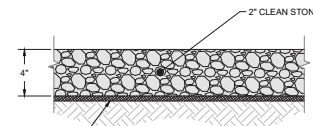
**STOCKPILE NOTES:**

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
- UPON COMPLETION OF STOCKPILING, SURROUND EACH PILE WITH SILT FENCING, THEN STABILIZE WITH SEED AND MULCH IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS OUTLINED IN THE NYSDAM GUIDELINES OR SWPPP.
- STOCKPILE HEIGHT SHOULD GENERALLY NOT EXCEED 20 FEET.

**TYPICAL STOCKPILE**

**DETAIL**

SCALE: N.T.S. 2 D-400



GEGRID: TENSAR TX-140 OR EQUIVALENT INSTALLED PER MANUFACTURERS RECOMMENDATIONS

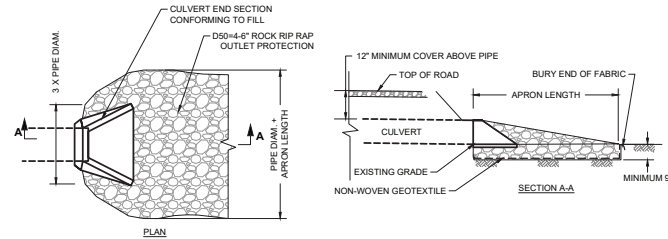
**GRAVEL STAGING/ LAYDOWN NOTES:**

- STRIP AND STOCKPILE FIRST 4" - 6" OF TOPSOIL.
- GRAVEL STAGING/ LAYOUT AREA IS A TEMPORARY FEATURE AND WILL BE REMOVED AFTER THE CONSTRUCTION PERIOD AND VEGETATED WITH THE SAME INTERNAL SEED MIXES.

**TEMPORARY GRAVEL STAGING/ LAYDOWN AREA**

**DETAIL**

SCALE: N.T.S. 5 D-400

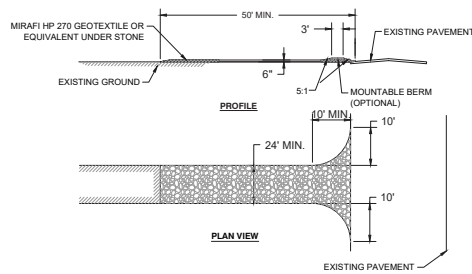


**CULVERT OUTLET PROTECTION NOTES:**

- ROCK FOR RIPRAP SHALL CONSIST OF FIELD ROCK OR ROUGH UNHEWN QUARRY ROCK.
- STONE RIPRAP 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.

**RIPRAP APRON**

**DETAIL**  
SCALE: N.T.S. 6 D-400



**STABILIZED CONSTRUCTION ENTRANCE NOTES:**

- STONE SIZE - USE 2" CLEAN STONE (NO FINES), OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- STONE CAN BE PLACED ON TOP OF ROAD BACKFILL IF DEEMED APPROPRIATE BY THE ENGINEER.
- 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.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50'.
- GEOTEXTILE - PLACE OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 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.
- 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.
- 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.
- PROVIDE WEEKLY INSPECTION AND NEEDED MAINTENANCE.
- STONE SHALL BE REMOVED FROM ENTRANCE AFTER SITE ACHIEVES STABILIZATION.

**STABILIZED CONSTRUCTION ENTRANCE**

**DETAIL**  
SCALE: N.T.S. 3 D-400

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
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WWW.BWSOLAR.COM

**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION,  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

STAMP:

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**NY CDG MONROE 3 LLC**  
**BW SOLAR HOLDING INC**  
175 TOBIN ROAD  
HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
194-1264-0006

SHEET TITLE:  
**EROSION & SEDIMENT CONTROL DETAILS**

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

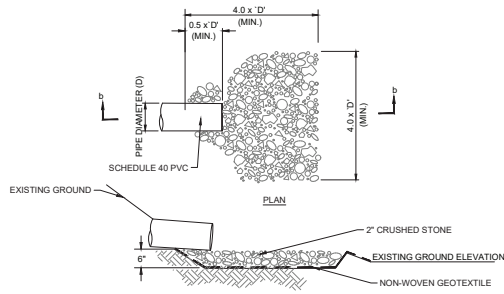
**NOT FOR CONSTRUCTION**

DATE: 07/12/2024  
DRAWN BY: R. DEMILIO  
ENGINEER: R. DEMILIO  
APPROVED BY: R. CHOZKO

PROJECT PHASE:  
ISSUED FOR PERMITTING  
SCALE: N/A  
SHEET NO.:

**D-400**

X:\BW Solar\05 - Monroe 3\05-Civil Design\MONROE\_3\_D-100\_CIVIL\_DETAILS.dwg Printed: 7/11/2024, 2:27 PM



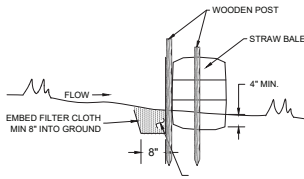
**UNDERDRAIN OUTLET PROTECTION**

- 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.

**UNDERDRAIN OUTLET PROTECTION**

**DETAIL**

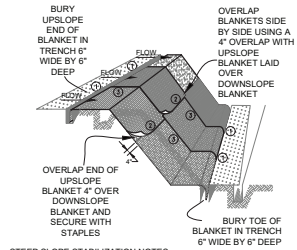
SCALE: N.T.S. 1  
D-401



**SILT FENCE BACKED W/ STRAW BALE**

**DETAIL**

SCALE: N.T.S. 4  
D-401



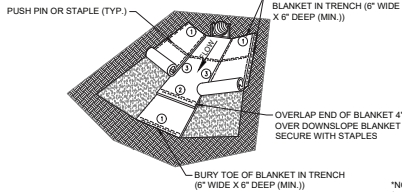
**STEEP SLOPE STABILIZATION NOTES:**

- STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STICHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STICHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL.
- STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6").
- EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
- ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

**EROSION CONTROL MATTING APPLICATION**

**DETAIL**

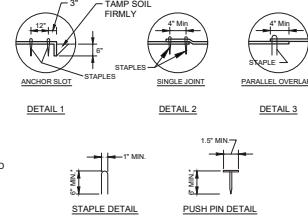
SCALE: N.T.S. 2  
D-401



**SWALE STABILIZATION**

**DETAIL**

SCALE: N.T.S. 3  
D-401



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WWW.BWSOLAR.COM

**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION,  
P.O. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

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NY CDG MONROE 3 LLC

BW SOLAR HOLDING INC  
175 TOBIN ROAD  
HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
194-1264-0006

SHEET TITLE:  
**EROSION & SEDIMENT CONTROL DETAILS**

SHEET SIZE:  
ANSI "D" FULL BLEED  
22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCB

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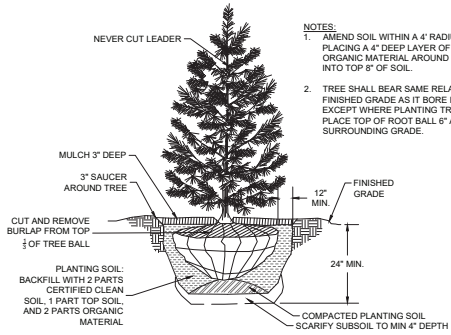
DATE: 07/12/2024  
DRAWN BY: R. DEMILIO  
ENGINEER: R. DEMILIO  
APPROVED BY: R. CHOZICK

PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE:  
N/A

SHEET NO.:  
**D-401**

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TYPICAL TREE PLANTING

**DETAIL**

SCALE: N.T.S.



**NOTES:**

1. AMEND SOIL WITHIN A 4' RADIUS OF TRUNK BY PLACING A 4" DEEP LAYER OF ACCEPTABLE ORGANIC MATERIAL AROUND TREE AND TILL INTO TOP 8" OF SOIL.
2. TREE SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE IN THE NURSERY, EXCEPT WHERE PLANTING TREE IN CLAY SOIL. PLACE TOP OF ROOT BALL 8" ABOVE SURROUNDING GRADE.

**BW SOLAR**  
69 STATE STREET 13TH FLOOR  
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WWW.BWSOLAR.COM

**TETRA TECH**

TETRA TECH ENGINEERING CORPORATION,  
P.C. CERT #018815  
3136 SOUTH WINTON ROAD, SUITE 303  
ROCHESTER, NY 14623

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BW SOLAR HOLDING INC  
175 TOBIN ROAD  
HENRIETTA, NY 14467

TETRA TECH PROJECT NUMBER:  
194-1264-0006

SHEET TITLE:  
PLANTING DETAILS

SHEET SIZE:  
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A	30% DESIGN	07/12/2024	RCD

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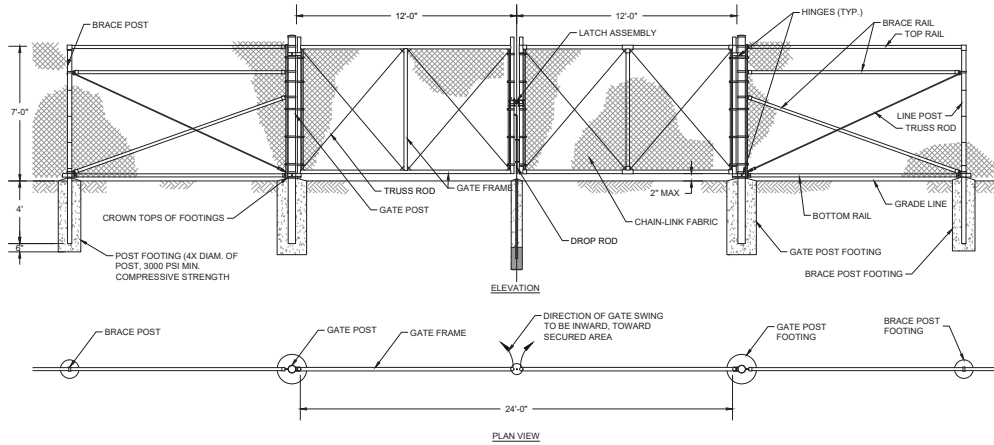
DATE: 07/12/2024  
DRAWN BY: R. DEMILIO  
ENGINEER: R. DEMILIO  
APPROVED BY: R. CHOZICK

PROJECT PHASE:  
ISSUED FOR PERMITTING

SCALE:  
N/A

SHEET NO.:  
**D-500**

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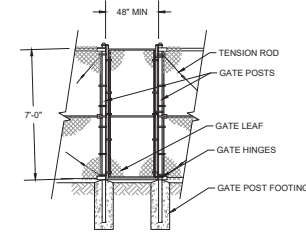
**VEHICLE ACCESS GATE**

**DETAIL**

SCALE: N.T.S. 1 D-600

**FENCE & GATE NOTES:**

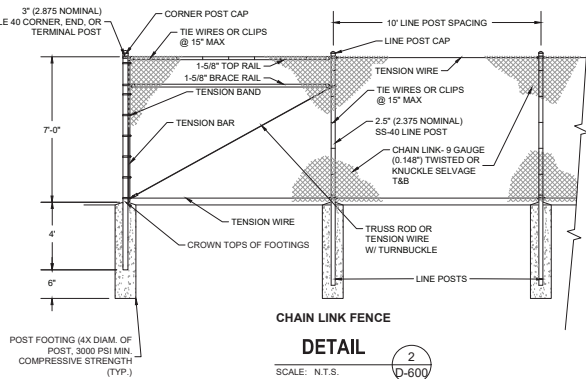
1. SIZE AND DIMENSIONS OF THE FENCE AND GATE COMPONENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH THE CHAIN-LINK FENCE MANUFACTURER SPECIFICATIONS UNLESS OTHERWISE NOTED ON THIS DRAWING.
2. GROUNDING AND BONDING OF THE SECURITY FENCE SYSTEM SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), AND ALL OTHER APPLICABLE STATE AND LOCAL CODE REQUIREMENTS.
3. DOUBLE SWING GATE TO OPEN INWARD, TOWARD SECURED AREA AS SHOWN ON THE SITE PLAN.
4. INSTALL WIRE TIES, RAILS, POSTS, AND BRACES ON THE SECURE SIDE OF THE FENCE ALIGNMENT. PLACE CHAIN-LINK FABRIC ON THE OPPOSITE SIDE OF THE SECURE AREA.
5. DESIGN AND INSTALL GATE, LINE, CORNER, END, AND PULL POST CONCRETE FOOTINGS, AS REQUIRED, PER APPLICABLE CODES AND CHAIN-LINK FENCE MANUFACTURER SPECIFICATIONS AND ASTM F567.
6. TOP SELVAGES TO BE TWISTED, BOTTOM SELVAGES TO BE KNUCKLED.
7. SIGNAGE SHALL BE AS REQUIRED BY CODE WITH DETAILS INCLUDING FACILITY NAME, OWNER, AND CONTACT PHONE NUMBER. WARNING SIGNAGE TO BE PLACED AT BASE OF ALL PAD-MOUNTED TRANSFORMERS AND SUBSTATIONS.
8. INSTALL PERIMETER FENCE WARNING SIGNS 5' ABOVE GRADE IN ACCORDANCE WITH NEC 110.21(B).



**PEDESTRIAN GATE**

**DETAIL**

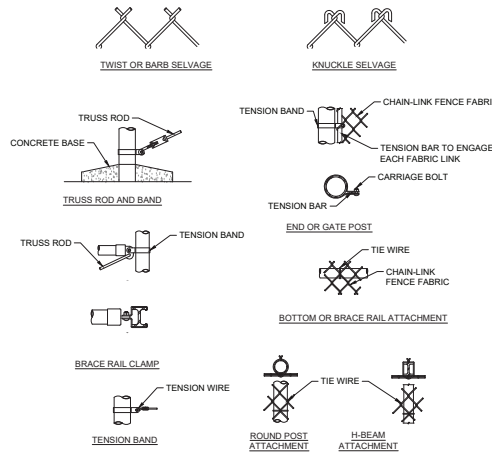
SCALE: N.T.S. 3 D-600



**CHAIN LINK FENCE**

**DETAIL**

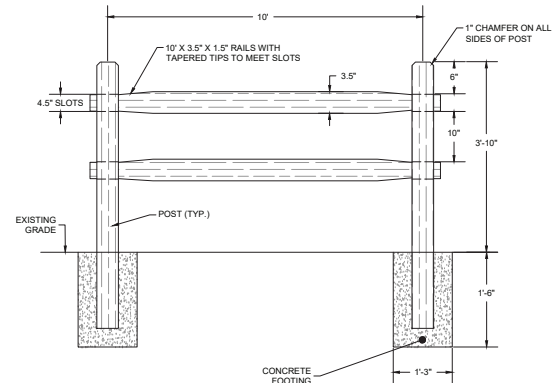
SCALE: N.T.S. 2 D-600



**CHAIN LINK CONNECTION**

**DETAILS**

SCALE: N.T.S. 4 D-600



**WOODEN SPLIT RAIL FENCE NOTES:**

1. LUMBER SHALL BE ROUGH SAWN (NON-PLANED) PRESSURE TREATED SOUTHERN YELLOW PINE OR DOUGLAS FIR.
2. END POST SHALL BE TERMINAL POST.
3. POST DIMENSIONS DEPENDANT ON AVAILABILITY OF MATERIAL TYPE.

**WOODEN SPLIT RAIL FENCE**

**DETAIL**

SCALE: N.T.S. 5 D-600



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**NY CDG MONROE 3 LLC**  
**BW SOLAR HOLDING INC**  
 175 TOBIN ROAD  
 HENRIETTA, NY 14487

TETRA TECH PROJECT NUMBER:

194-1264-0006

SHEET TITLE:

**FENCE & GATE DETAILS**

SHEET SIZE:

ANSI "D" FULL BLEED  
 22" X 34" (559 X 864)

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NO.	REVISION	DATE	INIT.
A	30% DESIGN	07/12/2024	RCD

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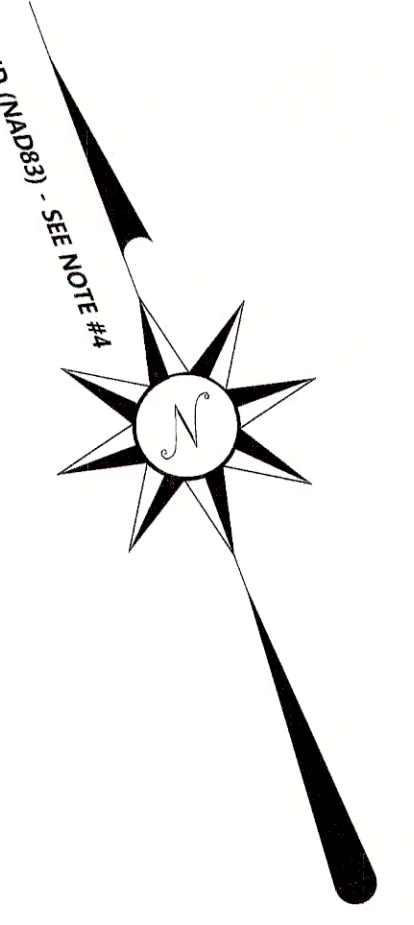
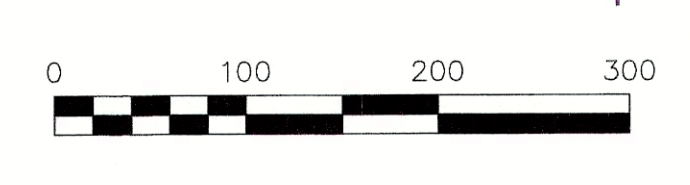
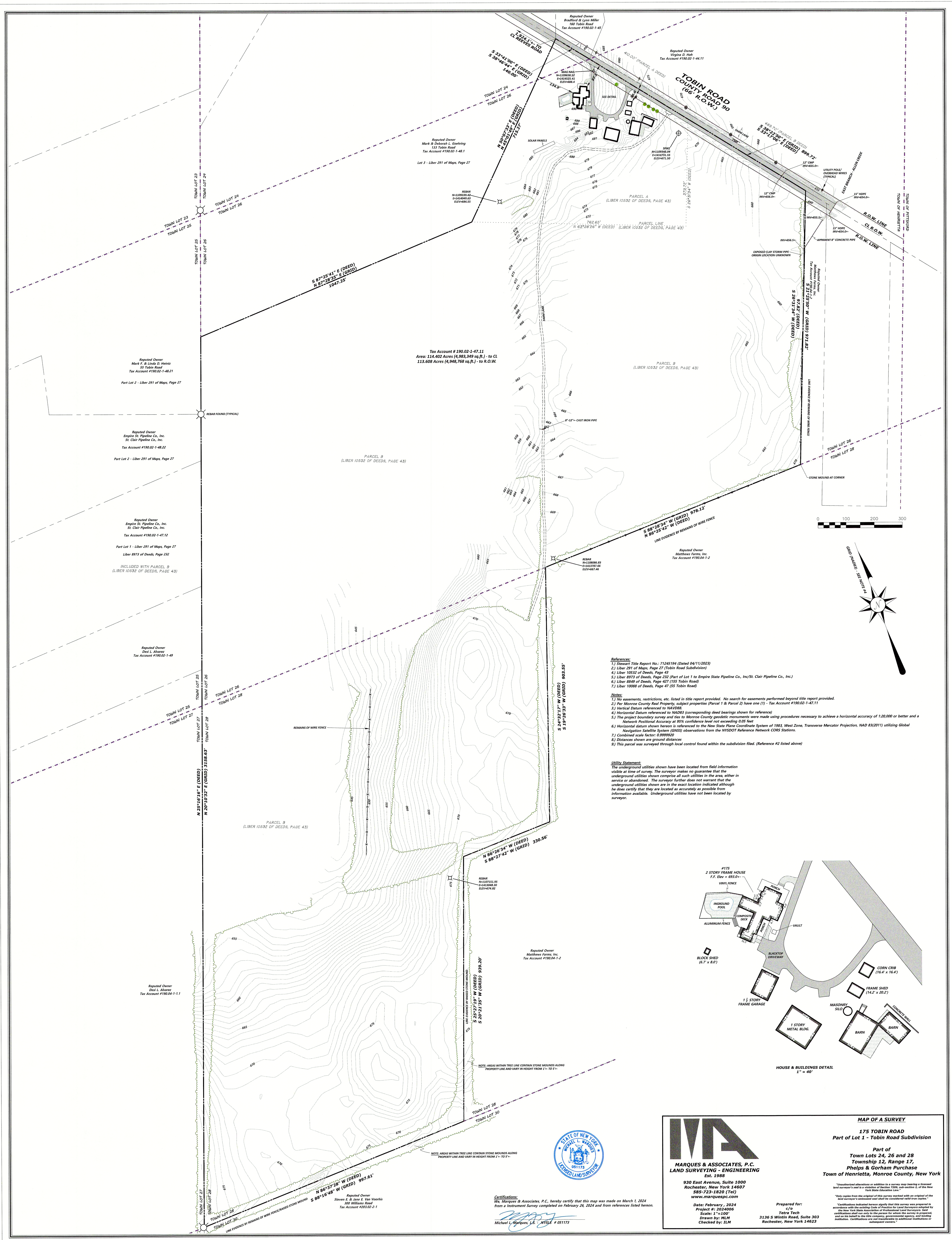
DATE: 07/12/2024  
 DRAWN BY: R. DEMILIO  
 ENGINEER: R. DEMILIO  
 APPROVED BY: R. CHOZOK

PROJECT PHASE: ISSUED FOR PERMITTING

SCALE: N/A

SHEET NO.:

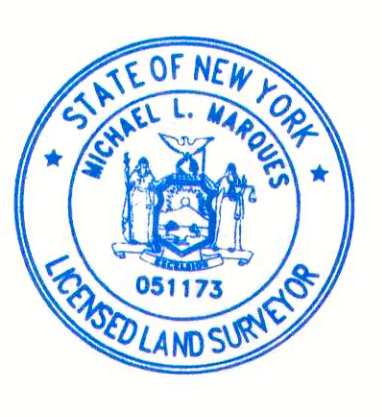
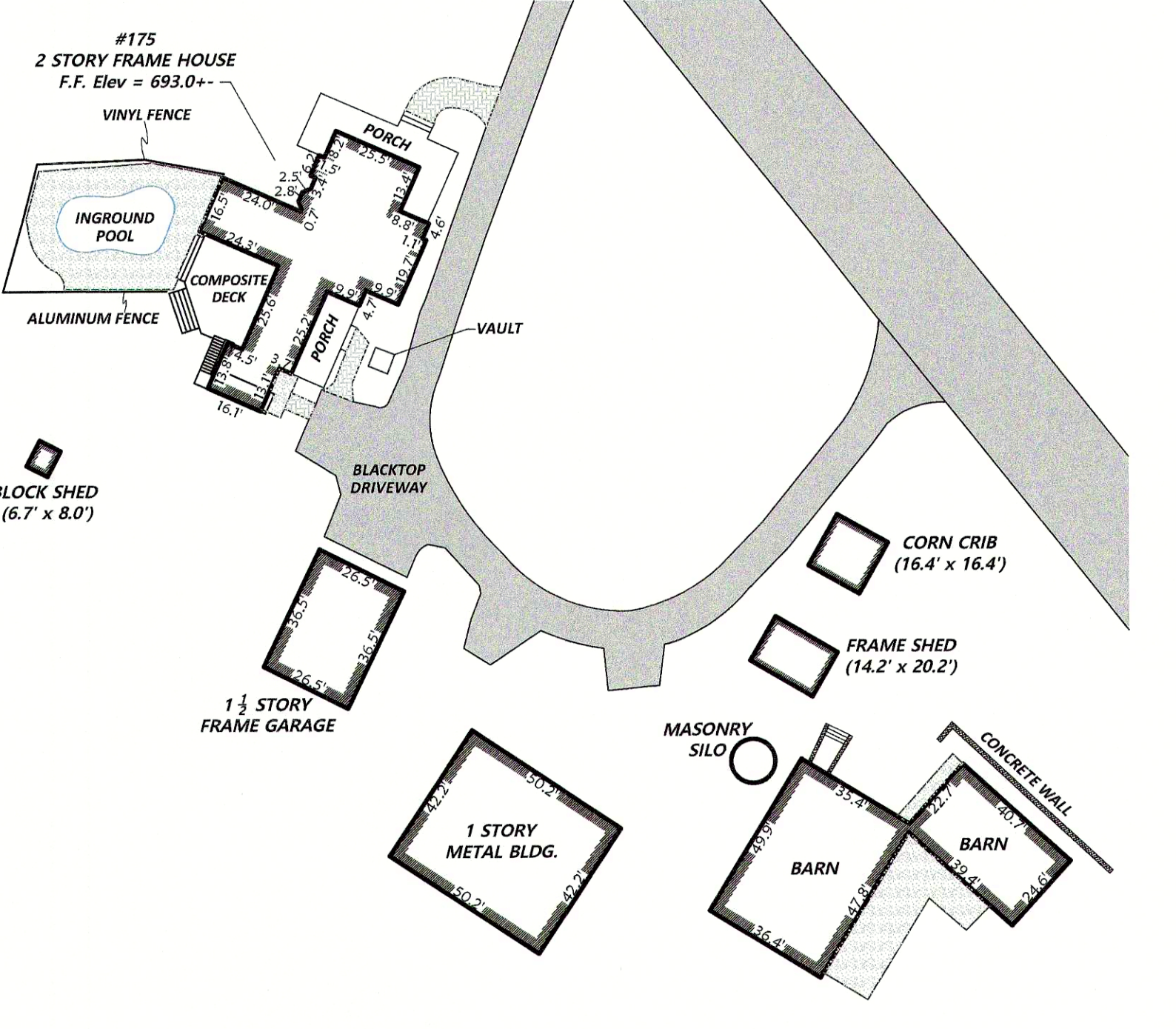
**D-600**



- References:**
- 1) Stewart Title Report No. 71245194 (Dated 04/11/2023)
  - 2) Liber 291 of Maps, Page 27 (Tobin Road Subdivision)
  - 3) Liber 10532 of Deeds, Page 43
  - 4) Liber 8973 of Deeds, Page 232 (Part of Lot 1 to Empire State Pipeline Co., Inc./St. Clair Pipeline Co., Inc.)
  - 5) Liber 8973 of Deeds, Page 232 (Part of Lot 1 to Empire State Pipeline Co., Inc./St. Clair Pipeline Co., Inc.)
  - 6) Liber 8989 of Deeds, Page 427 (155 Tobin Road)
  - 7) Liber 10088 of Deeds, Page 47 (55 Tobin Road)

- Notes:**
- 1) No easements, restrictions, etc. listed in this report provided. No search for easements beyond title report provided.
  - 2) For Monroe County Real Property, subject properties (Parcel 1 & Parcel 2) have one (1) - Tax Account #190.02-1-47.11
  - 3) Vertical Datum referenced to NAVD83
  - 4) Horizontal Datum referenced to NAD83 (corresponding deed bearings shown for reference)
  - 5) The project boundary survey and ties to Monroe County geodetic monuments were made using procedures necessary to achieve a horizontal accuracy of 1:20,000 or better and a Network Positional Accuracy at 95% confidence level not exceeding 0.05 feet
  - 6) Horizontal datums shown herein is referenced to the New York State Plane Coordinate System of 1983, West Zone Transverse Mercator Projection, NAD 83(2011) utilizing Global Navigation Satellite System (GNSS) observations from the NYSDOT Reference Network CORS Stations.
  - 7) Combined scale factor: 0.9999929
  - 8) Distances shown are ground distances
  - 9) This parcel was surveyed through local control found within the subdivision filed. (Reference #2 listed above)

**Utility Statement:**  
 The underground utilities shown have been located from field information visible at time of survey. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. Underground utilities have not been located by surveyor.



**Certification:**  
 We, Marqués & Associates, P.C., hereby certify that this map was made on March 1, 2024 from an Instrument Survey completed on February 26, 2024 and from references listed herein.  
 Michael L. Marqués, L.S. - NYSLS # 051173

**MAP OF A SURVEY**

**175 TOBIN ROAD**  
 Part of Lot 1 - Tobin Road Subdivision

Part of  
 Town Lots 24, 26 and 28  
 Township 12, Range 17,  
 Phelps & Gorham Purchase  
 Town of Henrietta, Monroe County, New York

**MARQUÉS & ASSOCIATES, P.C.**  
 LAND SURVEYING & ENGINEERING  
 Est. 1988  
 930 East Avenue, Suite 1000  
 Rochester, New York 14607  
 585-723-1820 (Tel)  
 www.marquespc.com

Date: February, 2024  
 Project #: 2024006  
 Scale: 1" = 100'  
 Drawn by: MCM  
 Checked by: ILM

Prepared for:  
 c/o  
 Tetra Tech  
 3136 S Winton Road, Suite 303  
 Rochester, New York 14623

"Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 2200, sub-section 5, of the New York State Education Law."  
 "Certification indicated herein signifies that this survey was prepared in accordance with the existing Code of Practice for Land Surveyors adopted by the New York State Association of Professional Land Surveyors. Such certification shall not apply to the extent that the survey is prepared and/or its subject is the title company, governmental agency, and housing institution. Certifications are not responsible to additional institutions or subsequent owners."