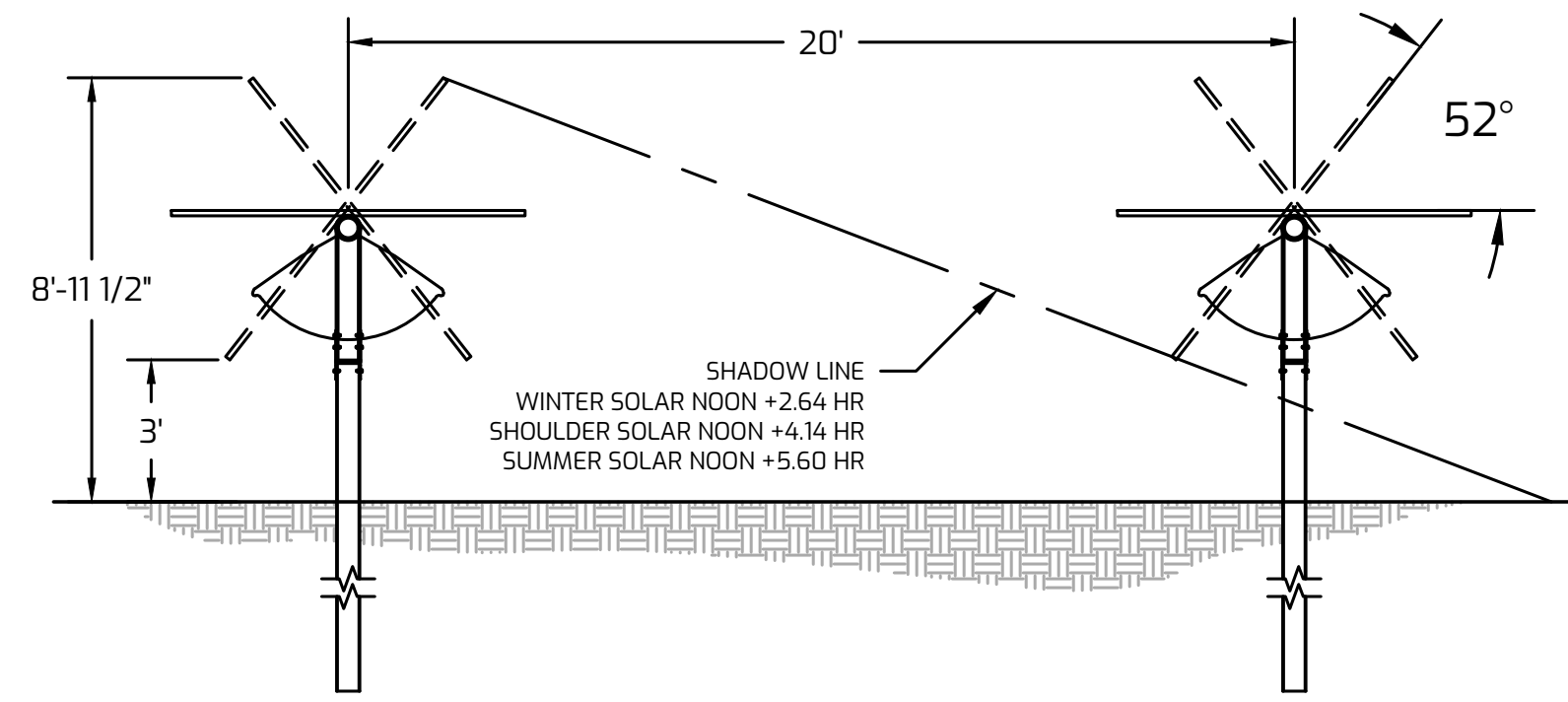


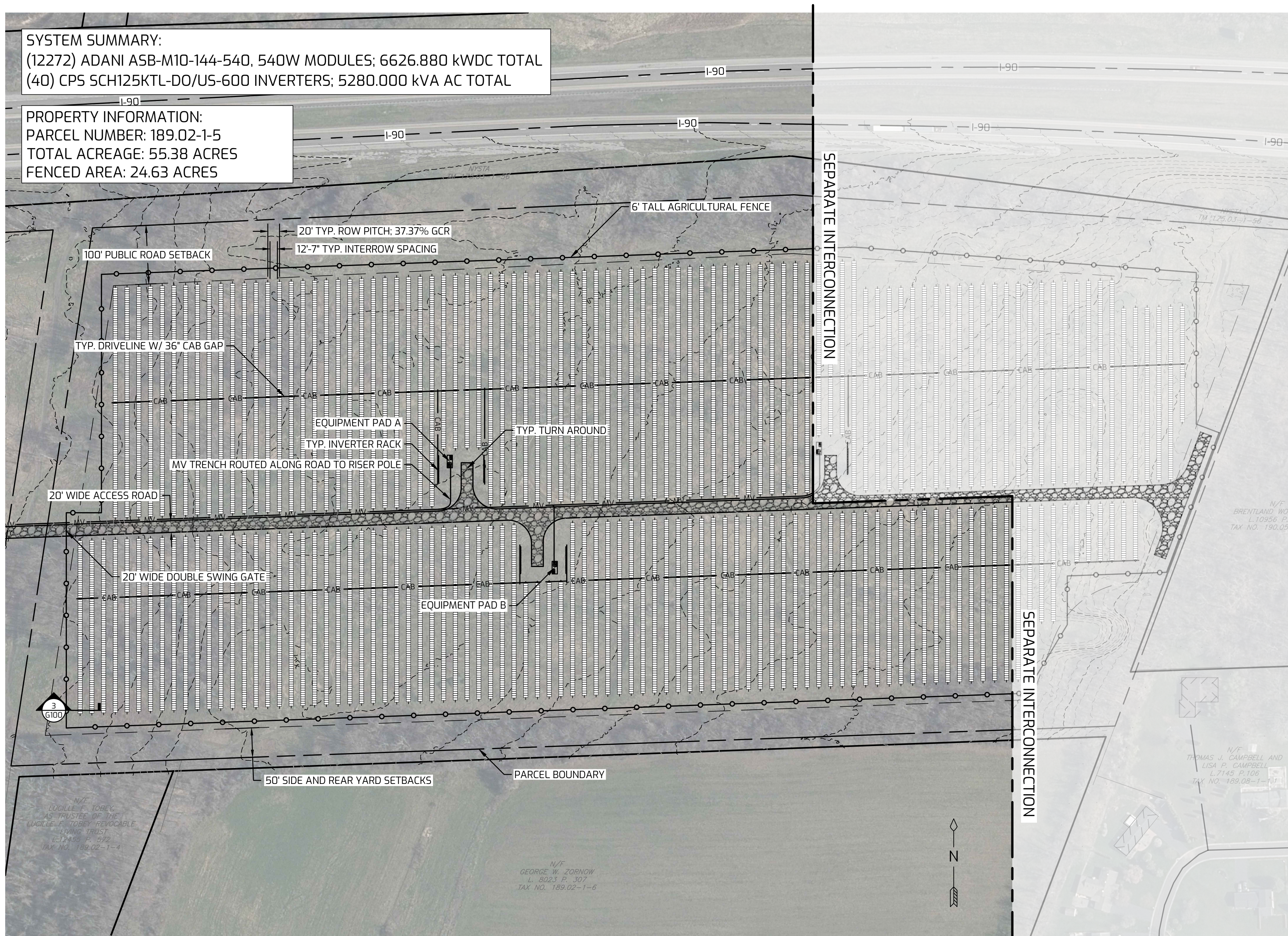
KEY PLAN



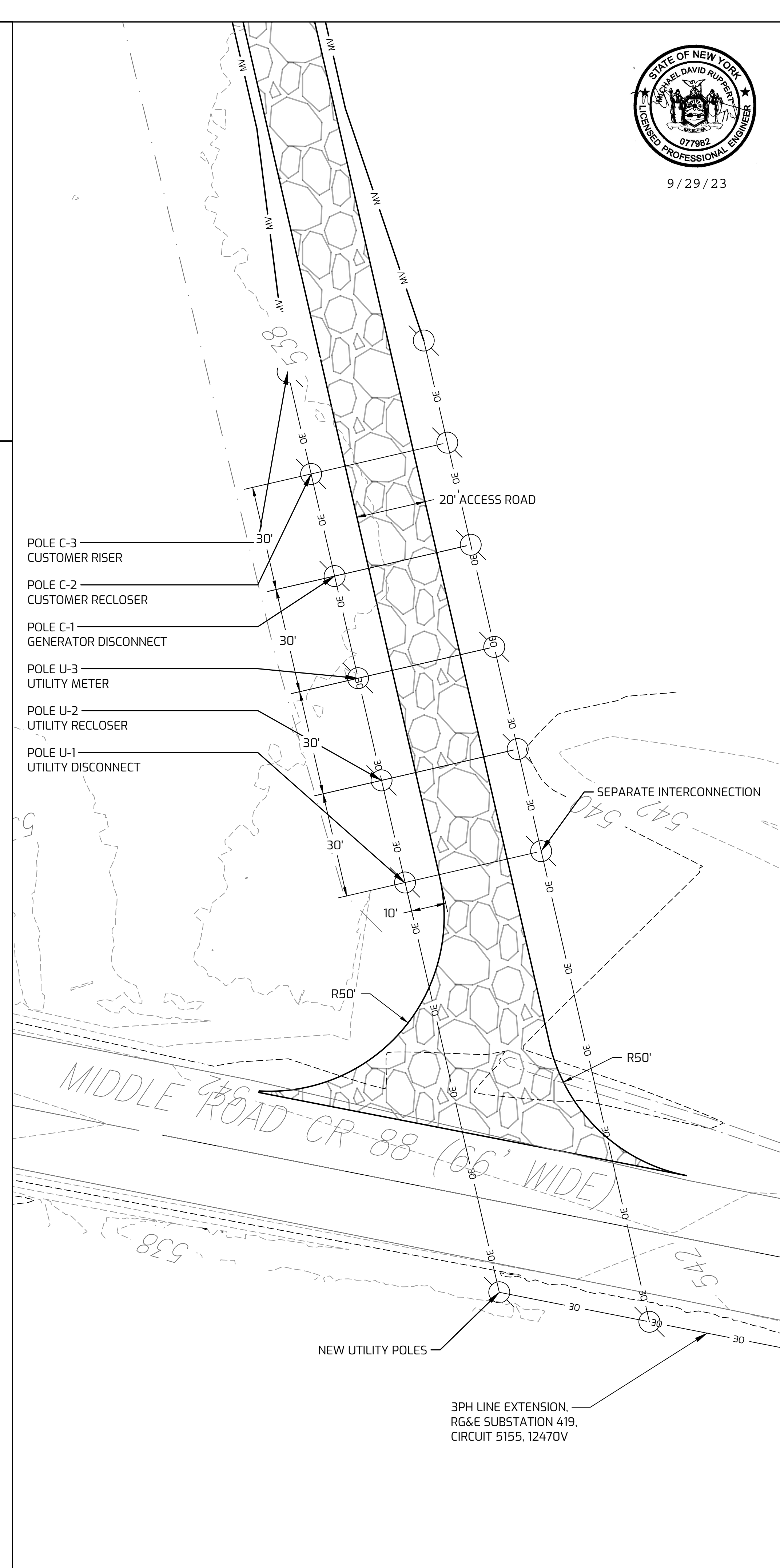
3 MODULE RACKING ELEVATION
SCALE: 1/4" = 1'-0"

SYSTEM SUMMARY:
(12272) ADANI ASB-M10-144-540, 540W MODULES; 6626.880 KWDC TOTAL
(40) CPS SCH125KTL-DO/US-600 INVERTERS; 5280.000 KVA AC TOTAL

PROPERTY INFORMATION:
PARCEL NUMBER: 189.02-1-5
TOTAL ACREAGE: 55.38 ACRES
FENCED AREA: 24.63 ACRES



1 SITE PLAN
SCALE: 1" = 100'



2 POLE LINE PLAN
SCALE: 1" = 20'

STATE OF NEW YORK
MICHAEL DAVID RUPPEL
LICENSED PROFESSIONAL ENGINEER
077982
9/29/23

REV	DESCRIPTION	DATE	BY
1	UTILITY SUBMISSION	9/18/2023	DSJ
2			
3			
4			
5			
6			
7			

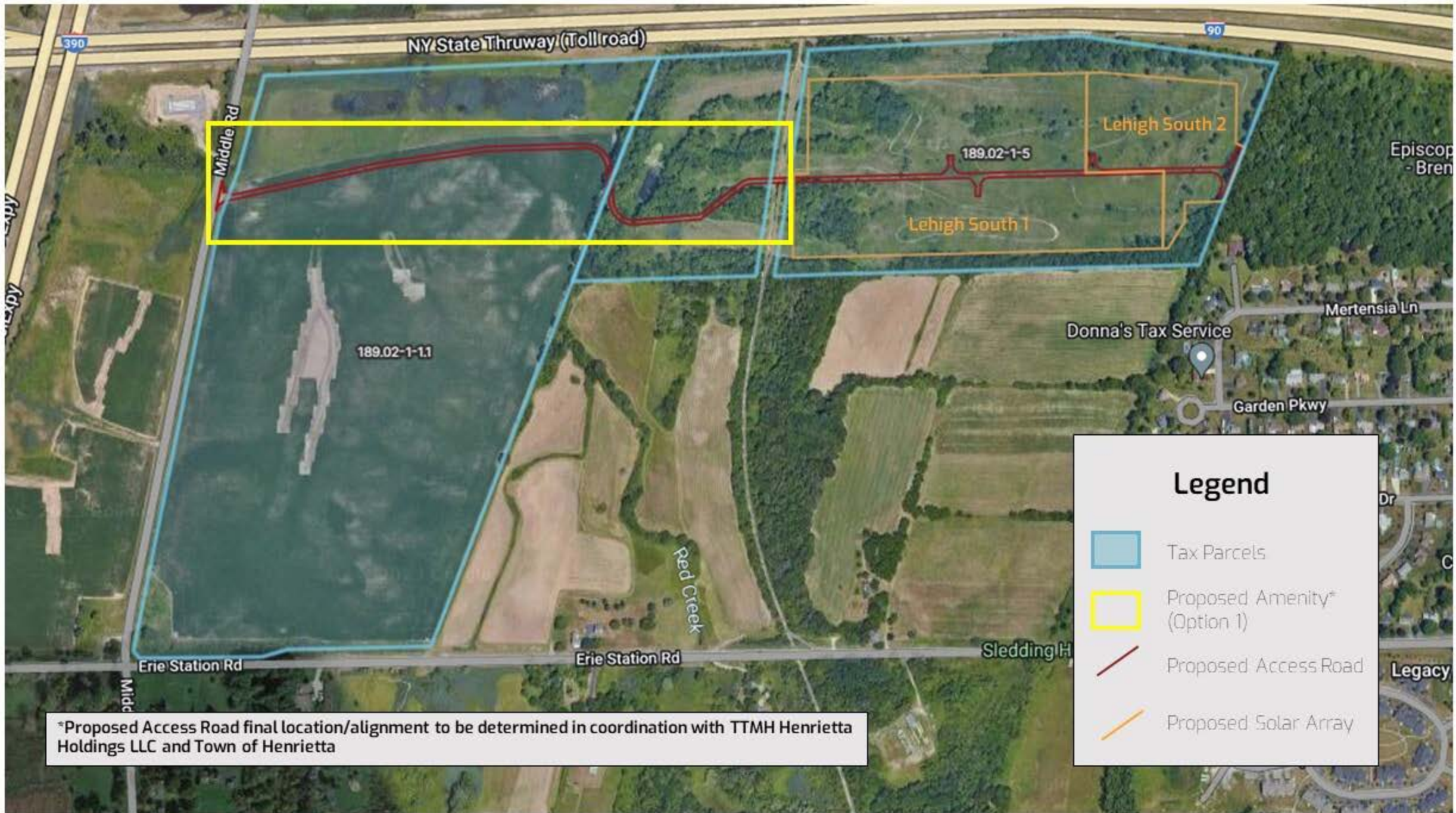
DRAWN BY: DSJ
ISSUE DATE: 9/22/2023
SCALE: AS SHOWN

NOT FOR CONSTRUCTION





PROJECT: EH HENRIETTA SOLAR I
ADDRESS: EAST HENRIETTA ROAD, HENRIETTA, NY 14467
SHEET TITLE: SITE PLAN

DRAWING NO. G100



*Proposed Access Road final location/alignment to be determined in coordination with TTMH Henrietta Holdings LLC and Town of Henrietta

Legend

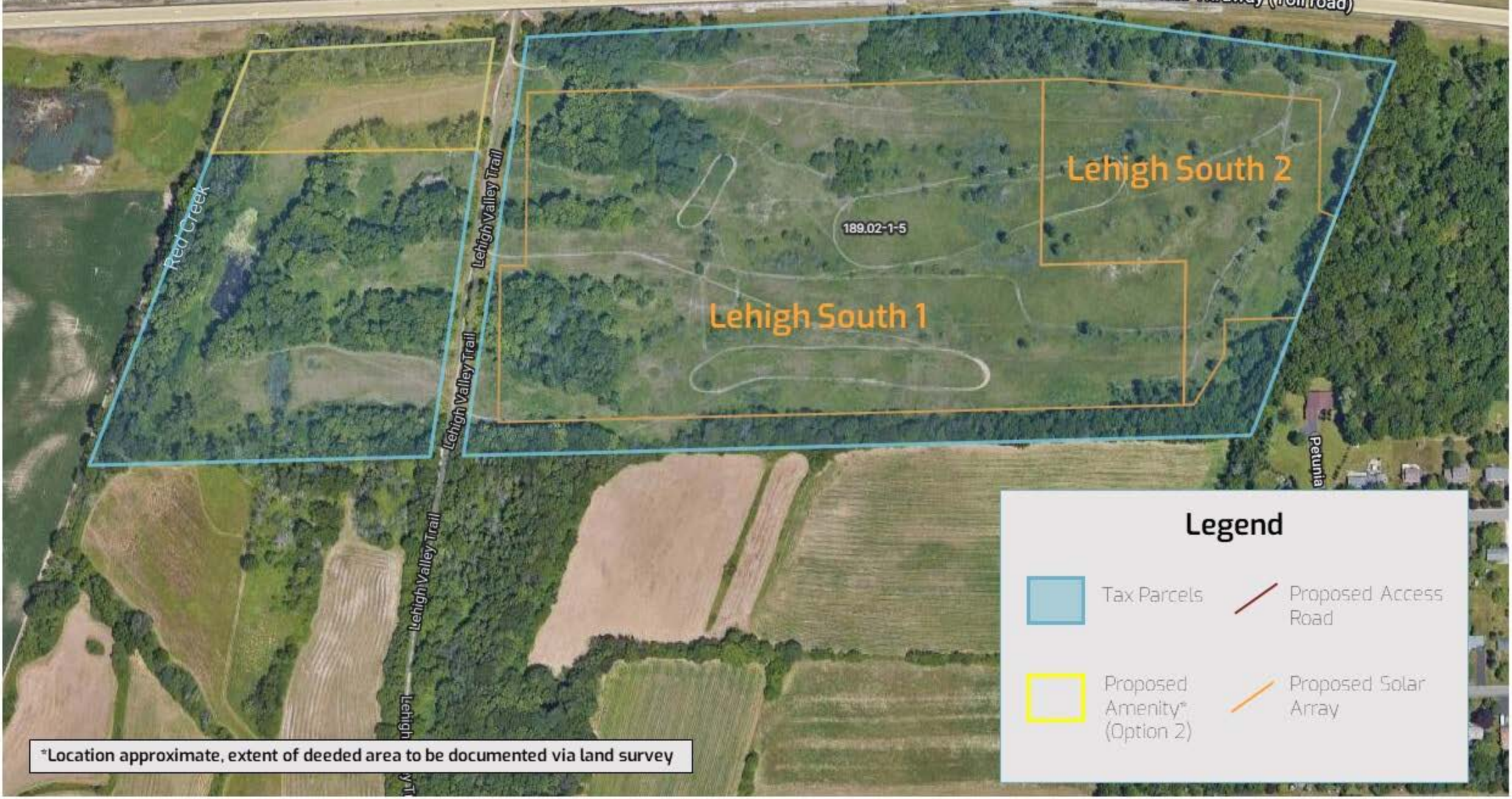
-  Tax Parcels
-  Proposed Amenity* (Option 1)
-  Proposed Access Road
-  Proposed Solar Array

ay (Toll road)

90

NY State Thruway (Toll road)

NY State Thruway (Toll road)



Lehigh South 2

189.02-1-5

Lehigh South 1

Red Creek

Lehigh Valley Trail

Lehigh Valley Trail

Lehigh Valley Trail

Lehigh Valley Trail

Petunia

Legend



Tax Parcels



Proposed Access Road



Proposed Amenity* (Option 2)



Proposed Solar Array

*Location approximate, extent of deeded area to be documented via land survey

(Toll road)

90

NY State Thruway (Toll road)

90

NY State Thruway (Toll road)



189.02-1-5

Lehigh South 2

Lehigh South 1

Red Creek

Lehigh Valley Trail

Lehigh Valley Trail

Lehigh Valley Trail

Lehigh Valley Trail

Petunia Ct

Legend



Tax Parcels



Proposed Access Road



Proposed Amenity* (Option 3)



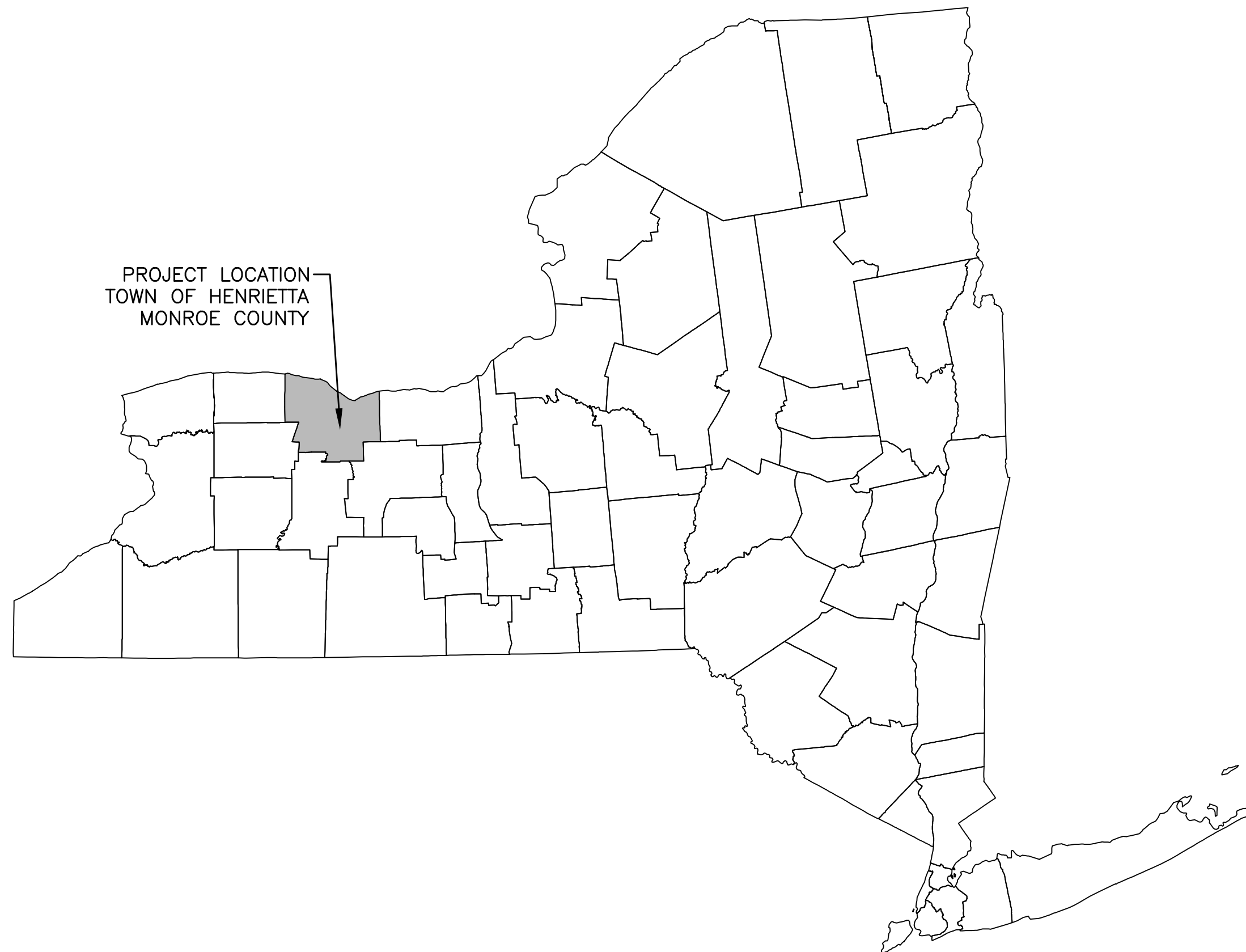
Proposed Solar Array

*Specific trail locations to be determined in coordination with Lehrwood Estates LLC and Town of Henrietta

LEHIGH SOUTH 1 SOLAR SITE PLANS

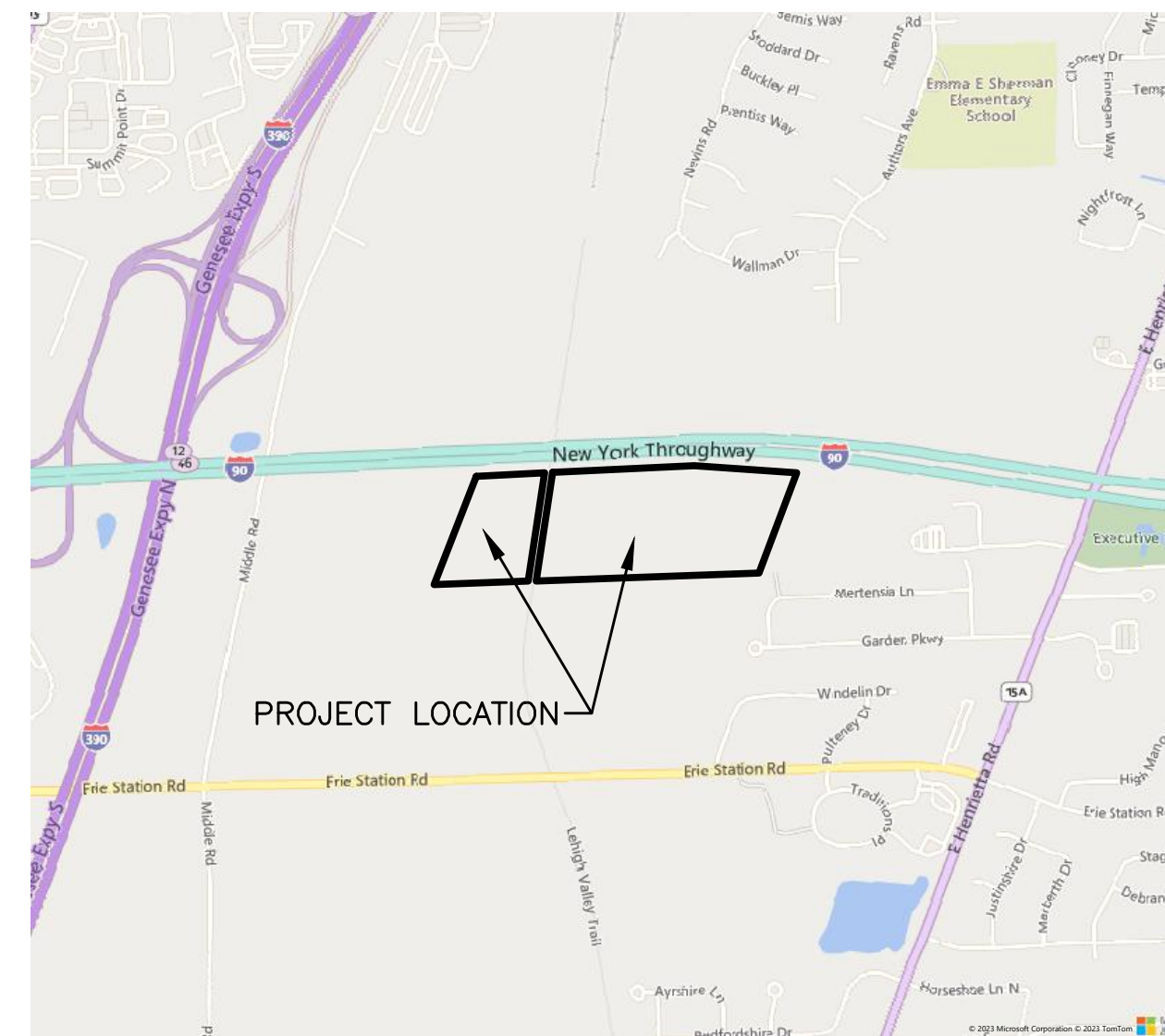
EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY 14623

PROJECT No. 230529.06



PROJECT LOCATION
TOWN OF HENRIETTA
MONROE COUNTY

NEW YORK STATE MAP
N.T.S.



LOCATION MAP
N.T.S.

INDEX OF DRAWINGS:		
DRAWING NO.	SHEET NO.	DESCRIPTION
C-001	1 OF 26	COVER SHEET
C-002	2 OF 26	CONSTRUCTION NOTES
C-100	3 OF 26	EXISTING CONDITIONS PLAN
C-101	4 OF 26	EXISTING CONDITIONS PLAN
C-102	5 OF 26	TREE CLEARING
C-200	6 OF 26	OVERALL SITE PLAN
C-201	7 OF 26	SITE PLAN
C-202	8 OF 26	SITE PLAN
C-203	9 OF 26	SITE PLAN
C-300	10 OF 26	OVERALL GRADING PLAN
C-301	11 OF 26	GRADING PLAN
C-302	12 OF 26	GRADING PLAN
C-303	13 OF 26	ACCESS ROAD PLAN AND PROFILE
C-304	14 OF 26	ACCESS ROAD PLAN AND PROFILE
C-305	15 OF 26	ACCESS ROAD PLAN AND PROFILE
C-306	16 OF 26	ACCESS ROAD PLAN AND PROFILE
C-400	17 OF 26	OVERALL EROSION CONTROL PLAN
C-401	18 OF 26	EROSION CONTROL PLAN
C-402	19 OF 26	EROSION CONTROL PLAN
C-403	20 OF 26	EROSION CONTROL PLAN
C-500	21 OF 26	SITE REVEGETATION PLAN
C-501	22 OF 26	SITE REVEGETATION PLAN
C-700	23 OF 26	DETAILS
C-705	24 OF 26	DETAILS
C-710	25 OF 26	DETAILS
C-715	26 OF 26	DETAILS

PROJECT SITE INFORMATION	
SITE ADDRESS	EAST HENRIETTA ROAD
COUNTY PARCEL NUMBER	189.02-1-1.1 & 189.02-1-5
UTILITY NAME	RG&E
DEVELOPER NAME	EH HENRIETTA SOLAR 1 LLC
DEVELOPER ADDRESS	318 TIMOTHY LN, ONTARIO, NY 14519
CIVIL ENGINEER OF RECORD (EOR) NAME	STEVEN MELLOTT, P.E., CFM
CIVIL EOR ADDRESS	180 CHARLOTTE ST. ROCHESTER, NY
CIVIL EOR CONTACT INFORMATION	585-334-1310
APPLICABLE BUILDING PERMIT AUTHORITY	TOWN OF HENRIETTA

SYSTEM SUMMARY	
SYSTEM AC SIZE (MW)	5 MW-AC
SYSTEM DC SIZE (DC)	6626.88 KW-DC
MOUNTING	SINGLE-AXIS TRACKER
SYSTEM TILT	TBD
MODULE TYPE	ADANI ASB-M10-144-540
MODULE COUNT	12272
INVERTER TYPE	CPS SCH125KTL-DO/US-600
INVERTER COUNT	40

CIVIL SITE BASIS AND QUANTITY ESTIMATES			
PROJECT ZONING	RURAL RESIDENTIAL		
PROPERTY AREA (ACRES)	0		
APPROXIMATE LEASE AREA (ACRES)	0		
	REQUIRED	DESIGNED	
FRONT SETBACK (FT)	100'	>100'	
REAR SETBACK (FT)	50'	50	
SIDE SETBACK (FT)	50'	50	
PANEL HEIGHT (FT)	20'-MAX	8'-11 1/2"	
FENCE HEIGHT (FT)	7		
CHAIN-LINK FENCE (LF)	0		
ROAD WIDTH (FT)	20		
ROAD AREA (SF)	0		

PREPARED BY:



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NOTE: AS AN INTEGRAL PART OF THIS APPROVAL, THE PLANNING BOARD EXPRESSLY APPROVES THE COLOR, TEXTURES, AND FINISH OF THE BUILDING AS DEPICTED ON SITE ELEVATION OR OTHER DOCUMENTS SUBMITTED WITH THIS APPLICATION. ANY PROPOSED CHANGE IN COLOR, TEXTURE, OF FINISH OF THE BUILDING, FROM THAT APPROVED BY THE PLANNING BOARD SHALL REQUIRE A RE-APPLICATION FOR REVIEW AND APPROVAL OF THE PLANNING BOARD.

FILE NAME: H:\Projects\23\230529-06-GSSP\23_Lehigh\Eng\CAD\CUT\230529_06 C-001 Cover Sheet.dwg
DATE/TIME: 10/12/2023 8:46:19 AM
USER: Steven Nelson

PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY	TITLE OF DRAWING COVER SHEET	DRAWING NO. C-001	SHEET 1 OF 26
PROJECT NO. 230529.06 PROJECT MANAGER A. Dorf DRAWN BY J. TORRES SCALE AS SHOWN ISSUE DATE 10/12/2023	COPYRIGHT © 2023 FISHER ASSOCIATES P.E. L.S., D.P.C. New York State Education Law Section 2201(2)(a) requires that the seal of a professional engineer or architect be placed on all drawings prepared by such professional engineer or architect. It is the responsibility of the professional engineer or architect to ensure that the seal is placed on all drawings prepared by such professional engineer or architect.	REV 1 2 3 4 5 6 7	DATE BY

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 TO BE DISTURBED. THE SOIL SAMPLING SHOULD BE CONSISTENT WITH CORNELL UNIVERSITY'S SOIL TESTING GUIDELINES, AND SAMPLES SHOULD BE SUBMITTED TO A LABORATORY FOR TESTING PH, PERCENT ORGANIC MATERIAL, CATION EXCHANGE CAPACITY, PHOSPHORUS/PHOSPHATE (P), AND POTASSIUM/POTASH (K). THE RESULTS ARE TO ESTABLISH A BENCHMARK THAT THE SOIL'S PH, NITROGEN (N), PHOSPHORUS/PHOSPHATE (P), AND POTASSIUM/POTASH (K) ARE TO BE MEASURED AGAINST UPON RESTORATION. IF SOIL SAMPLING IS NOT PERFORMED, FERTILIZER AND LIME APPLICATION RECOMMENDATIONS FOR DISTURBED AREAS CAN BE FOUND AT [HTTPS://WWW.AGRICULTURE.NY.GOV/AP/AGSSERVICES/FERTILIZER_LIME_AND_SEEDING_RECOMMENDATIONS.PDF](https://www.agriculture.ny.gov/ap/agsservices/fertilizer_lime_and_seeding_recommendations.pdf).
- STRIPPED TOPSOIL SHOULD BE STOCKPILED FROM WORK AREAS (E.G. PARKING AREAS, ELECTRIC CONDUCTOR TRENCHES, ALONG ACCESS ROADS, 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 (ATMS) 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/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 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 IN CONSULTATION WITH THE EM. SUFFICIENT LOD (AS DESIGNATED ON THE SITE PLAN OR BY THE EM) AREA SHOULD BE ALLOTTED TO ALLOW ADEQUATE ACCESS TO THE STOCKPILE FOR TOPSOIL REPLACEMENT DURING RESTORATION.
 - 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 (168 LBS.) PER ACRE AND MULCHED WITH STRAW MULCH AT 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.
- THE SURFACE OF ACCESS ROADS LOCATED OUTSIDE OF THE GENERATION FACILITY'S SECURITY FENCE AND CONSTRUCTED THROUGH AGRICULTURAL FIELDS SHALL BE LEVEL WITH THE ADJACENT FIELD SURFACE. IF A LEVEL ROAD DESIGN IS NOT FEASIBLE, ALL ACCESS ROADS SHOULD BE CONSTRUCTED TO ALLOW A FARM CROSSING (FOR SPECIFIC EQUIPMENT AND LIVESTOCK) AND TO RESTORE/ MAINTAIN ORIGINAL SURFACE DRAINAGE PATTERNS.
- INSTALL CULVERTS AND/OR WATERBARS TO MAINTAIN OR IMPROVE SITE SPECIFIC NATURAL DRAINAGE PATTERNS.
- 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 PERM 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 EXCEPTION THE USE OF LOW GROUND PRESSURE EQUIPMENT.⁴ WHERE REPEATED TEMPORARY ACCESS IS NECESSARY ACROSS PORTIONS OF AGRICULTURAL AREAS OUTSIDE OF THE SECURITY FENCE, PREPARATION FOR SUCH ACCESS SHOULD CONSIST OF EITHER STRIPPING / STOCKPILING ALL TOPSOIL LINEARLY ALONG THE ACCESS ROAD, OR THE USE OF 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 AGRICULTURAL AREAS WITHIN THE PROJECT LIMITS OF DISTURBANCE (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). TRENCHING OR ROAD SAW LIKE EQUIPMENT ARE NOT ALLOWED FOR TRENCH EXCAVATION IN AGRICULTURAL AREAS, AS THE EQUIPMENT DOES NOT SEGREGATE TOPSOIL FROM SUBSOIL. HORIZONTAL DIRECTIONAL DRILLING (HDD) OR EQUIVALENT INSTALLATION THAT DOES NOT DISRUPT THE SOIL PROFILE, MAY LIMIT AGRICULTURAL GROUND DISTURBANCES, ANY HDD DRILLING FLUID INADVERTENTLY 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 COLLECTION, COMMUNICATION AND TRANSMISSION LINES INSTALLED ABOVE GROUND CAN CREATE LONG TERM INTERFERENCE WITH MECHANIZED FARMING ON AGRICULTURAL LAND. THUS, INTERCONNECT CONDUCTORS OUTSIDE OF THE SECURITY FENCE MUST BE BURIED IN AGRICULTURAL FIELDS WHERE PRACTICABLE. WHERE OVERHEAD UTILITY LINES ARE REQUIRED, INCLUDING POINT(S) OF INTERCONNECTION) INSTALLATION MUST BE LOCATED OUTSIDE FIELD BOUNDARIES OR ALONG PERMANENT ACCESS ROAD(S) 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 IF BURIED IN A CONDUIT AND A MINIMUM DEPTH OF TWENTY-FOUR INCHES OF COVER IF DIRECTLY BURIED (E.G. NOT ROUTED IN 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 FRAGILE/RIPPABLE, OR AS NEAR AS POSSIBLE TO THE SURFACE OF THE BEDROCK.
 - IN UNIMPROVED GRAZING AREAS 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 BE NOT 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 SURFACE SEEPS AND THE SEASONALLY PROLONGED SATURATION OF THE CONDUCTOR INSTALLATION ZONE AND ADJACENT AREAS. INSTALL AND/OR REPAIR ALL DRAIN LINES ACCORDING TO NATURAL RESOURCES CONSERVATION SERVICE CONSERVATION PRACTICE STANDARDS AND SPECIFICATIONS. DRAIN TILE MUST MEET OR EXCEED THE ASHTO M-252 SPECIFICATIONS. REPAIR OF SUBSURFACE DRAINS TILES SHOULD BE CONSISTENT WITH THE NYS/DAM'S DETAILS FOR "REPAIR OF SEVERED TILE LINE" FOUND IN THE PIPELINE DRAWING A-5 ([HTTP://WWW.AGRICULTURE.NY.GOV/AP/AGSSERVICES/PIPELINE-DRAWINGS.PDF](http://www.agriculture.ny.gov/ap/agsservices/pipeline-drawings.pdf)).
- IN PASTURE AREAS, IT MAY BE NECESSARY TO CONSTRUCT TEMPORARY FENCING (IN ADDITION TO THE PROJECT'S PERMANENT SECURITY FENCES) AROUND WORK AREAS TO PREVENT LIVESTOCK ACCESS TO ACTIVE CONSTRUCTION AREAS AND AREAS UNDERGOING RESTORATION. FOR AREAS RETURNING TO PASTURE, TEMPORARY FENCING WILL BE REQUIRED TO DELAY THE PASTURING OF LIVESTOCK WITHIN THE RESTORED PORTION OF THE LOD UNTIL PASTURE AREAS ARE APPROPRIATELY REVEGETATED. TEMPORARY FENCING INCLUDING THE PROJECT'S REQUIRED TEMPORARY ACCESS FOR THE ASSOCIATED FENCE INSTALLATIONS SHOULD BE INCLUDED WITHIN THE LOD AS WELL AS NOTED ON THE CONSTRUCTION DRAWINGS. THE PROJECT COMPANY WILL BE RESPONSIBLE FOR MAINTAINING THE TEMPORARY FENCING UNTIL THE EM DETERMINES THAT THE VEGETATION IN THE RESTORED AREA IS ESTABLISHED AND ABLE TO ACCOMMODATE GRAZING. AT SUCH TIME, THE PROJECT COMPANY SHOULD BE RESPONSIBLE FOR REMOVAL OF THE TEMPORARY FENCES.

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

- ALL CONSTRUCTION DEBRIS IN ACTIVE AGRICULTURE AREAS INCLUDING PIECES OF WIRE, BOLTS, AND OTHER UNUSED METAL OBJECTS WILL NEED TO BE REMOVED AND PROPERLY DISPOSED OF AS SOON AS PRACTICAL TO PREVENT MIXING 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 TO RETURN TO AGRICULTURAL USE. ON-SITE DISPOSAL OF SUCH MATERIAL IS NOT PERMISSIBLE IN ACTIVE AGRICULTURAL LANDS. DESIGNATED SOIL DISPOSAL LOCATIONS SHOULD BE SPECIFIED IN THE ASSOCIATED CONSTRUCTION PLANS. IF LANDOWNER AGREEMENTS, LOD BOUNDARY, OR PROJECT'S 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 DETERMINED 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 PRECONSTRUCTION CONDITIONS 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 SOLAR ENERGY PROJECT WITH THE APPROPRIATE MITIGATION AS DETERMINED BY THE ENVIRONMENTAL MONITOR, SOIL AND WATER CONSERVATION DISTRICT AND THE LANDOWNER.
- 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 DECOMPACTED 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 MOISTURE CONDITIONS EXIST.
- IN ALL CONTINUED USE AGRICULTURAL LAND WHERE THE TOPSOIL WAS STRIPPED, SUBSOIL DECOMPACTION SHALL BE CONDUCTED PRIOR TO TOPSOIL REPLACEMENT FOLLOWING CONSTRUCTION. FOR ALL SUCH AREAS WILL BE DECOMPACTED TO A DEPTH OF 18 INCHES WITH A TRACTOR MOUNTED DEEP RIPPER OR HEAVY-DUTY CHISEL FLOW. SOIL COMPACTION RESULTS SHALL BE NO MORE THAN 250 POUNDS PER SQUARE INCH (PSI) THROUGHOUT THE DECOMPACTED 18 INCHES AS MEASURED WITH A SOIL PENETROMETER. FOLLOWING DECOMPACTION, ALL ROCKS 4 INCHES AND LARGER IN SIZE UNEARTHED FROM DECOMPACTION WILL BE REMOVED FROM THE SURFACE OF THE SUBSOIL PRIOR TO REPLACEMENT OF THE TOPSOIL. THE TOPSOIL WILL BE REPLACED TO ORIGINAL DEPTH AND THE ORIGINAL CONTOURS WILL BE REESTABLISHED WHERE POSSIBLE. ALL ROCKS 4 INCHES AND LARGER FROM TOPSOIL SHALL BE REMOVED FROM THE SURFACE OF THE TOPSOIL. SUBSOIL DECOMPACTION AND TOPSOIL REPLACEMENT MUST BE AVOIDED AFTER OCTOBER 1, UNLESS APPROVED ON A SITE-SPECIFIC BASIS BY THE LANDOWNER IN CONSULTATION WITH NYS/DAM. 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), HOWEVER, NOT TO SIGNIFICANTLY ALTER THE HYDROLOGY OF THE AREA.
- 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 UNDISTURBED AREAS USING AN APPROPRIATE SOIL PENETROMETER OR OTHER SOIL COMPACTION MEASURING DEVICE AS SOON AS SOILS ACHIEVE MOISTURE EQUILIBRIUM WITH ADJACENT UNAFFECTED AREAS. COMPACTION TESTS WILL BE MADE AT REGULAR INTERVALS OF DISTANCE THROUGHOUT THE AFFECTED AREAS, INCLUDING EACH SOIL TYPE IDENTIFIED WITHIN THE AFFECTED AREAS. SOIL COMPACTION RESULTS SHALL BE MEASURED WITH A SOIL PENETROMETER NOT EXCEEDING MORE THAN 250 POUNDS PER SQUARE INCH (PSI), BY COMPARING PROBING DEPTHS OF BOTH THE AFFECTED AND UNAFFECTED AREAS, WHERE REPRESENTATIVE SOIL DENSITY OF THE AFFECTED AREA'S COLLECTIVE DEPTH MEASUREMENTS PRESENT COMPACTION RESTRICTIONS EXCEEDING AN ACCEPTABLE DEVIATION OF NO MORE THAN 20% FROM THE ADJACENT UNDISTURBED AREA'S 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 4 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/AGRICULTURE PRODUCER OR AS OTHERWISE RECOMMENDED IN THE DEPARTMENT'S FERTILIZER, LIME AND SEEDING GUIDELINE: ([HTTPS://WWW.AGRICULTURE.NY.GOV/AP/AGSSERVICES/FERTILIZER_LIME_AND_SEEDING_RECOMMENDATIONS.PDF](https://www.agriculture.ny.gov/ap/agsservices/fertilizer_lime_and_seeding_recommendations.pdf)).
- SOIL AMENDMENTS SHOULD BE APPLIED AS NECESSARY SO THAT RESTORED AGRICULTURAL AREAS' SOIL PROPERTIES, AT A MINIMUM, REASONABLY 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 PROPER GROWTH.

MONITORING AND REMEDIATION

- PROJECT COMPANIES 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 ACHIEVES 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 AGRICULTURE 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. NYS/DAM EXPECTS THE PROJECT COMPANY (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 NYS/DAM STAFF AND CONSIDERED FOR OMISSION FROM FUTURE MONITORING AND REMEDIATION. THE EM IS EXPECTED TO RECORD THE FOLLOWING OBSERVATIONS FROM ONSITE INSPECTIONS:
 - TOPSOIL THICKNESS AND TRENCH SETTLING – 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 DEFICIENCIES 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 UNAFFECTED 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 OR OTHER SOIL COMPACTION MEASURING DEVICE. 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 AREAS EXCEEDS THE REPRESENTATIVE SOIL DENSITY OF THE UNDISTURBED ADJACENT AREAS, ADDITIONAL DECOMPACTION MAY BE REQUIRED. CONSULTATION WITH NYS/DAM 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 UNLIFTED/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. DRAINAGE OBSERVATIONS SHOULD BE EVALUATED 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 OR AN EQUIVALENT.
 - AGRICULTURE FENCING AND GATES – THE EM SHALL INSPECT PROJECT ASSOCIATED FENCING AND GATES (INSTALLED, ALTERED OR REPAIRED) WITHIN THE PROJECT'S LOD ASSOCIATED WITH AGRICULTURAL ACTIVITIES FOR FUNCTION AND LONGEVITY. THE PROJECT COMPANY IS RESPONSIBLE DURING THE MONITORING AND REMEDIATION PHASE FOR MAINTAINING THE INTEGRITY OF PROJECT ASSOCIATED FENCING AND GATES.

STORM WATER POLLUTION PREVENTION PLAN NOTES:

- REFER TO THE STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR THE PROJECT FOR MORE INFORMATION.
- THE CONTRACTOR SHALL PROVIDE A QUALIFIED INSPECTOR TO INSPECT THE PROJECT AT THE END OF EACH WORK WEEK AND PROVIDE A REPORT AT LEAST ONCE PER WEEK.
- ALL INLETS TO THE STORM SEWER SHALL HAVE INLET PROTECTION. ADD INLET PROTECTION ON INLET NEXT TO ROAD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE BEST MANAGEMENT PRACTICES (BMP'S) UNTIL GROUND COVER IS ESTABLISHED.
- REMOVE AND STOCKPILE TOPSOIL IN ACCORDANCE WITH THE NEW YORK STATE AG & MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019)
- IF THE SEASONS PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE "STANDARDS", NETTING OR LIQUID MULCH BINDER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS. EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE 80% UNIFORM VEGETATION HAS BEEN ACHIEVED.
- ALL EROSION CONTROL MEASURES ARE TO BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE AND SHALL BE REPLACED WHEN THEY HAVE REACHED THE DESIGN LIFE INDICATED IN THE NYS GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL DESIGN MANUAL OR EVERY THREE MONTHS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
- THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL, EROSION CONTROL STRUCTURES THROUGHOUT CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE FINISH GRADED TO PROMOTE VEGETATION ON ALL EXPOSED AREAS AS SOON AS PRACTICABLE. STABILIZATION PRACTICES (TEMPORARY/PERMANENT SEEDING, MULCHING, GEOTEXTILES, ETC.) MUST BE IMPLEMENTED WITHIN SEVEN (7) DAYS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND NOT EXPECTED TO RESUME WITHIN FOURTEEN (14) DAYS.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. ALL CONSTRUCTION DEBRIS AND SEDIMENT SPOILS, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- DUST SHALL BE CONTROLLED BY WATERING.
- ADJOINING PROPERTY SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
- EROSION CONTROL MEASURES SHOULD BE RELOCATED INWARD AS PERIMETER SLOPE CONSTRUCTION PROGRESSES AND RECONSTRUCTED TO THE NYS STANDARDS & SPECIFICATIONS AT THE END OF EACH DAY.
- PERIMETER AREAS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH PROGRESSIVELY A MINIMUM AT THE END OF EACH WEEK WITH 100% PERENNIAL RYEGRASS MIX AT A RATE OF 2-4 LBS PER 1000 SF AND MULCH 90-100 lbs/1000 SF OF WEED FREE STRAW.
- SLOPE TRACKING SHALL BE IMPLEMENTED ON ALL SLOPE 1 ON 3 OR GREATER AT THE END OF EACH WORK DAY AND PRIOR TO FINAL SLOPE GRADING AND STABILIZATION.

SITE STABILIZATION:

- WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE MULCHED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.
- MULCHES SHOULD BE APPLIED AT THE RATES SHOWN IN THE MULCH APPLICATION RATES TABLE. VERY LITTLE BARE GROUND SHOULD BE VISIBLE THROUGH THE MULCH.
- STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO THE SOIL – ABOUT 3 INCHES. THIS METHOD SHOULD BE LIMITED TO SLOPES NO STEEPER THAN 3H:1V. THE MACHINERY SHOULD BE OPERATED ALONG THE CONTOUR. NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.
- BEFORE SEEDING IS APPLIED THE CONTRACTOR SHALL SPREAD SOIL TO PREVENT PONDING AND CONFIRM THAT SOIL WILL SUSTAIN THE SEED GERMINATION AND ESTABLISHMENT OF VEGETATION.
- GRADED AREAS SHOULD BE SCARIFIED OR OTHERWISE LOOSENEED TO A DEPTH OF 3 TO 5 INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SURFACE AREAS AND TO PROVIDE A ROUGHENED SURFACE TO PREVENT TOPSOIL FROM SLIDING DOWN SLOPE. COMPACTED SOILS SHOULD BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES, ALONG CONTOUR WHEREVER POSSIBLE, PRIOR TO SEEDING.
- TOPSOIL OR AMENDED SOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA. SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OR TILLAGE. IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOIL PLACEMENT SHOULD BE CORRECTED IN ORDER TO PREVENT FORMATION OF DEPRESSIONS. REFER TO THE NEW YORK STATE AG & MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019) FOR ADDITIONAL INFORMATION REGARDING TOPSOIL REMOVAL, STOCKPILING, AND PLACEMENT.
- TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION. REFER TO THE NEW YORK STATE AG & MARKETS GUIDELINES FOR SOLAR ENERGY PROJECTS (REV. 10/18/2019) FOR ADDITIONAL INFORMATION REGARDING TOPSOIL REMOVAL, STOCKPILING, AND PLACEMENT.
- WHEN USED AS A MULCH REPLACEMENT, THE APPLICATION RATE (THICKNESS) OF THE COMPOST SHOULD BE ½" TO ¾". COMPOST SHOULD BE PLACED EVENLY AND SHOULD PROVIDE 100% SOIL COVERAGE. NO SOIL SHOULD BE VISIBLE.
- POLYMERIC AND GUM TACKIFIERS MIXED AND APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS MAY BE USED TO TACK MULCH. AVOID APPLICATION DURING RAIN AND ON WINDY DAYS. A 24-HOUR CURING PERIOD AND A SOIL TEMPERATURE HIGHER THAN 45° F ARE TYPICALLY REQUIRED. APPLICATION SHOULD GENERALLY BE HEAVIEST AT EDGES OF SEEDED AREAS AND AT CRESTS OF RIDGES AND BANKS TO PREVENT LOSS BY WIND. THE REMAINDER OF THE AREA SHOULD HAVE BINDER APPLIED UNIFORMLY. BINDERS MAY BE APPLIED AFTER MULCH IS SPREAD OR SPRAYED INTO THE MULCH AS IT IS BEING BLOWN ONTO THE SOIL. APPLYING STRAW AND BINDER TOGETHER IS GENERALLY MORE EFFECTIVE.
- SYNTHETIC BINDERS, OR CHEMICAL BINDERS, MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.
- MULCH ON SLOPES OF 8% OR STEEPER SHOULD BE HELD IN PLACE WITH NETTING. LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- SHREDDED PAPER HYDROMULCH SHOULD NOT BE USED ON SLOPES STEEPER THAN 5%. WOOD FIBER HYDROMULCH MAY BE APPLIED ON STEEPER SLOPES PROVIDED A TACKIFIER IS USED. THE APPLICATION RATE FOR ANY HYDROMULCH SHOULD BE 2,000 LB/ACRE AT A MINIMUM.
- LIME, FERTILIZER, SEED, AND MULCH DISTURBED AREAS PER THE EROSION AND SEDIMENT CONTROL PLANS. IN AREAS OF STEEP SLOPES OR OBVIOUS AREAS WHERE POTENTIAL EROSION MAY OCCUR, AN EROSION CONTROL MAT OR FLEXIBLE GROWTH MEDIUM (FGM) SHALL BE USED. FGM SHALL BE APPLIED PER MANUFACTURER SPECIFICATIONS.
- NO CONSTRUCTION TRAFFIC SHALL OCCUR TO REMOVE ANY BMPS UNTIL THE SECTION HAS ACHIEVED 80% PERENNIAL VEGETATIVE COVER. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NONVEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER MOVEMENTS.

SEQUENCE OF CONSTRUCTION:

- PRE-CONSTRUCTION MEETING HELD TO INCLUDE PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTOR, TOWN M54 REPRESENTATIVE, AND SUB-CONTRACTORS PRIOR TO LAND DISTURBING ACTIVITIES.
- INSTALL PERIMETER SILT FENCE.
- BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE CONSTRUCTION IS PLANNED TO COMMENCE WITHIN 14 DAYS AFTER CLEARING AND GRUBBING.
- STRIP TOPSOIL AND STOCKPILE IN A LOCATION ACCEPTABLE TO CONSTRUCTION MANAGER. WHEN STOCKPILE IS COMPLETE, INSTALL PERIMETER SILT FENCE, SEED SURFACE WITH 100% PERENNIAL RYEGRASS MIXTURE AT A RATE OF 2-4 LBS. PER 1000 SF. APPLY 90-100 LBS PER 1000 SF OF MULCH.
- COMMENCE EARTHWORK CUT AND FILLS. THE WORK SHALL BE PROGRESSED TO ALLOW A REASONABLE TRANSFER OF CUT AND FILL EARTH FOR ROUGH GRADING AND EARTH MOVING. THE CONTRACTOR WILL BE GIVEN SOME LATITUDE TO VARY FROM THE FOLLOWING SCHEDULE IN ORDER TO MEET THE FIELD CONDITIONS ENCOUNTERED. CONTRACTOR SHALL REVIEW VARIATIONS TO SWPPP WITH DESIGN ENGINEER AND QUALIFIED PROFESSIONAL PRIOR TO IMPLEMENTATION.
- AS ROADWAY AND ACCESS DRIVES ARE BROUGHT TO GRADE, THEY WILL BE STABILIZED WITH CRUSHED STONE SUBBASE AT A DEPTH SPECIFIED ON PLANS TO PREVENT EROSION AS SOON AS PRACTICABLE.
- STABILIZE ALL AREAS AS SOON AS PRACTICABLE, IDLE IN EXCESS OF 7 DAYS AND IN WHICH CONSTRUCTION WILL NOT COMMENCE WITHIN 14 DAYS.
- INSTALL UTILITIES. TRENCH EXCAVATION/BACKFILL AREAS SHOULD BE STABILIZED PROGRESSIVELY AT THE END OF EACH WORKDAY WITH SEED AND STRAW MULCH AT A RATE OF 100% PERENNIAL RYE GRASS AT 2-4 LBS/1000 SF MULCHED AT 90-100 LBS/1000 SF.
- STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT COMMENCE WITHIN 14 DAYS.
- REMOVE TEMPORARY CONSTRUCTION EXITS AND PERIMETER SILT FENCE ONCE SITE HAS ACHIEVED 80% UNIFORM STABILIZATION.
- REMOVE SILT FENCE WITHIN WETLANDS DURING CONSTRUCTION, RETURN SILT FENCE AFTER CONSTRUCTION HAS BEEN FINALIZED.

GENERAL NOTES:

- THE EXISTING UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THIS MAP HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD MAPS AS PROVIDED. THEY ARE NOT CERTIFIED TO THE ACCURACY OF THEIR LOCATION AND/OR COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND EXTENT OF ALL UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO ANY DIGGING OR CONSTRUCTION ACTIVITIES IN THEIR VICINITY. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES FIELD STAKED BEFORE STARTING WORK BY CALLING 1-800-962-7962.
- HIGHWAY DRAINAGE ALONG ALL ROADS AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF MUD, DEBRIS ETC. AT ALL TIMES.
- THE CONTRACTOR SHALL CONSULT THE OWNER OR THEIR REPRESENTATIVE BEFORE DEVIATING FROM THESE PLANS.
- IN ALL TRENCH EXCAVATIONS, CONTRACTOR MUST LAY THE TRENCH SIDE SLOPES BACK TO A SAFE SLOPE, USE A TRENCH SHIELD OR PROVIDE SHEETING AND BRACING.
- IF SUSPICIOUS AND/OR HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION/CONSTRUCTION, ALL WORK SHALL STOP AND THE COUNTY DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF CONSERVATION SHALL BE NOTIFIED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE DEVELOPER HAS OBTAINED APPROPRIATE ACTION FOR DEALING WITH THE WASTE MATERIAL AND THE DEVELOPMENT PLANS ARE MODIFIED AS MAY BE NECESSARY.
- EXCAVATED WASTE MATERIAL REMOVED FROM THE SITE SHALL BE PLACED AT A LOCATION ACCEPTABLE TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
- AREAS DISTURBED OR DAMAGED AS PART OF THIS PROJECTS CONSTRUCTION THAT ARE OUTSIDE OF THE PRIMARY WORK AREA SHALL BE RESTORED, AT THE CONTRACTORS EXPENSE, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- TREES MAY BE CLEARED WITHIN THE FLOODPLAIN OR WETLAND AREAS AS LONG AS THE STUMPS ARE NOT CLEARED OR GRUBBED. LOW GROUND PRESSURE CONSTRUCTION VEHICLES OR TIMBER MATTING MAY BE UTILIZED TO CUT TREES AND TO REMOVE DEBRIS WITHIN THE FLOODPLAIN OR WETLAND AREAS. CONSTRUCTION TRAFFIC WITHIN THE FLOODPLAIN OR WETLANDS SHALL BE MINIMIZED TO THAT WHICH IS NECESSARY FOR THE INSTALLATION OF THE PANELS, RACKING, AND OTHER PROJECT COMPONENTS. THE WETLAND AREAS SHALL BE PROTECTED AT ALL TIMES AS SHOWN ON THE PLANS WHEN INSTALLATION OF THE PROJECT COMPONENTS IS NOT ONGOING.

WASTE/HAZARDOUS MATERIAL PRACTICES:

- WHENEVER POSSIBLE COVERED TRASH CONTAINERS SHOULD BE USED.
- DAILY SITE CLEANUP IS REQUIRED TO REDUCE DEBRIS AND POLLUTANTS IN THE ENVIRONMENT.
- CONTRACTOR SHALL PROVIDE A SAFE STORAGE SPACE FOR ALL PAINTS, STAINS AND SOLVENTS INSIDE A COVERED STORAGE AREA.
- ALL FUELS, OILS AND GREASE MUST BE KEPT IN CONTAINERS AT ALL TIMES.

EROSION & SEDIMENT CONTROL NOTES:

- INSTALL EROSION CONTROL MEASURES AS INDICATED ON THE PLAN PRIOR TO THE START OF ANY EXCAVATION WORK. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, DATED NOVEMBER 2016.
- REFER TO STORM WATER POLLUTION PLAN NOTES FOR EROSION CONTROL MEASURE NOTES.

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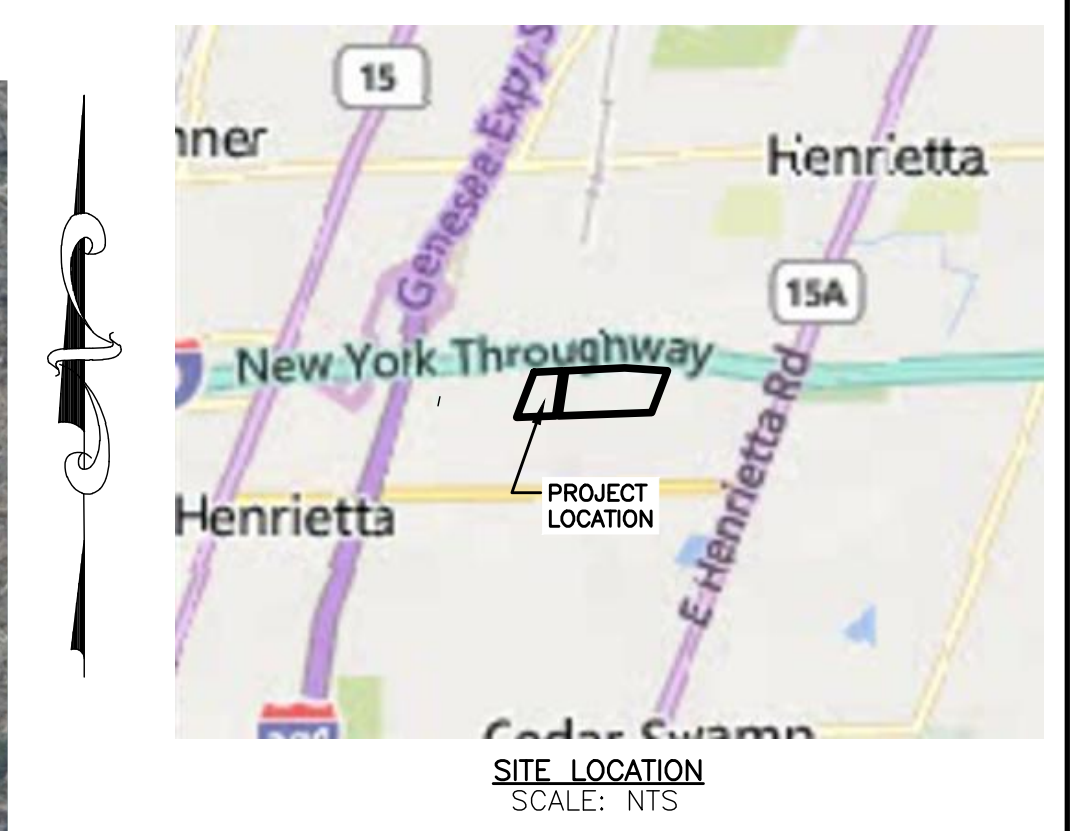
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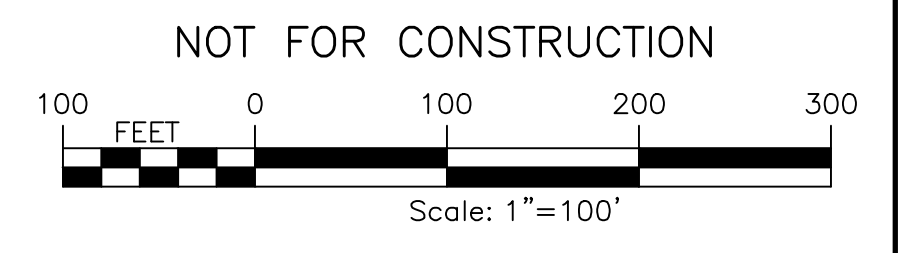
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SHEET 2 OF 26

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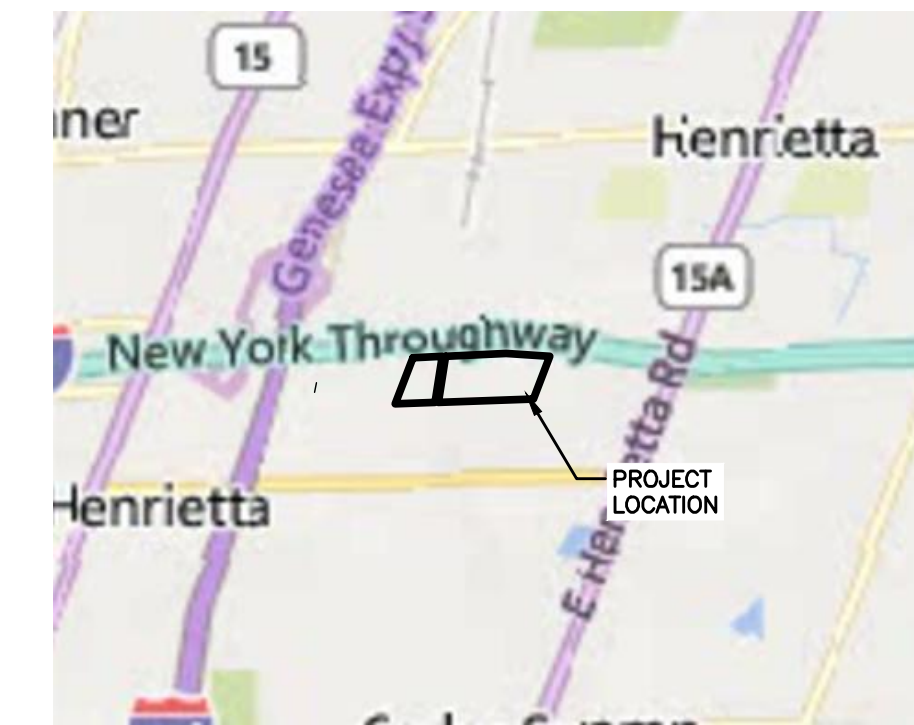
LEGEND	
	PROJECT BOUNDARY
	PROPERTY SETBACK
	ADJACENT PROPERTY LINE
	INTERIOR LOT LINE
	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	WETLAND BUFFER
	DELINEATED WETLANDS



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PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf DRAWN BY J. TORRES SCALE AS SHOWN ISSUE DATE 10/12/2023	
PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY	TITLE OF DRAWING EXISTING CONDITIONS PLAN
DRAWING NO. C-100	SHEET 3 OF 26

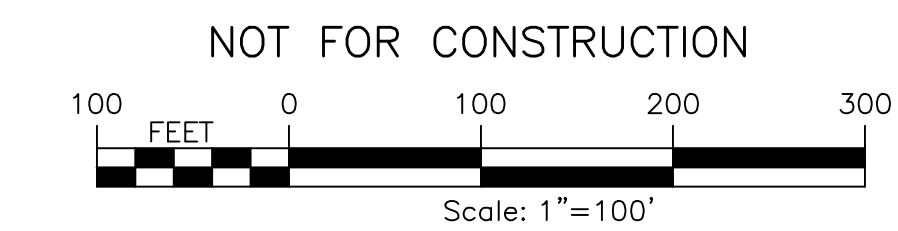
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 USER: Steven Nelson



SITE LOCATION
SCALE: NTS

LEGEND

	PROJECT BOUNDARY
	PROPERTY SETBACK
	ADJACENT PROPERTY LINE
	INTERIOR LOT LINE
	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	WETLAND BUFFER
	DELINEATED WETLANDS

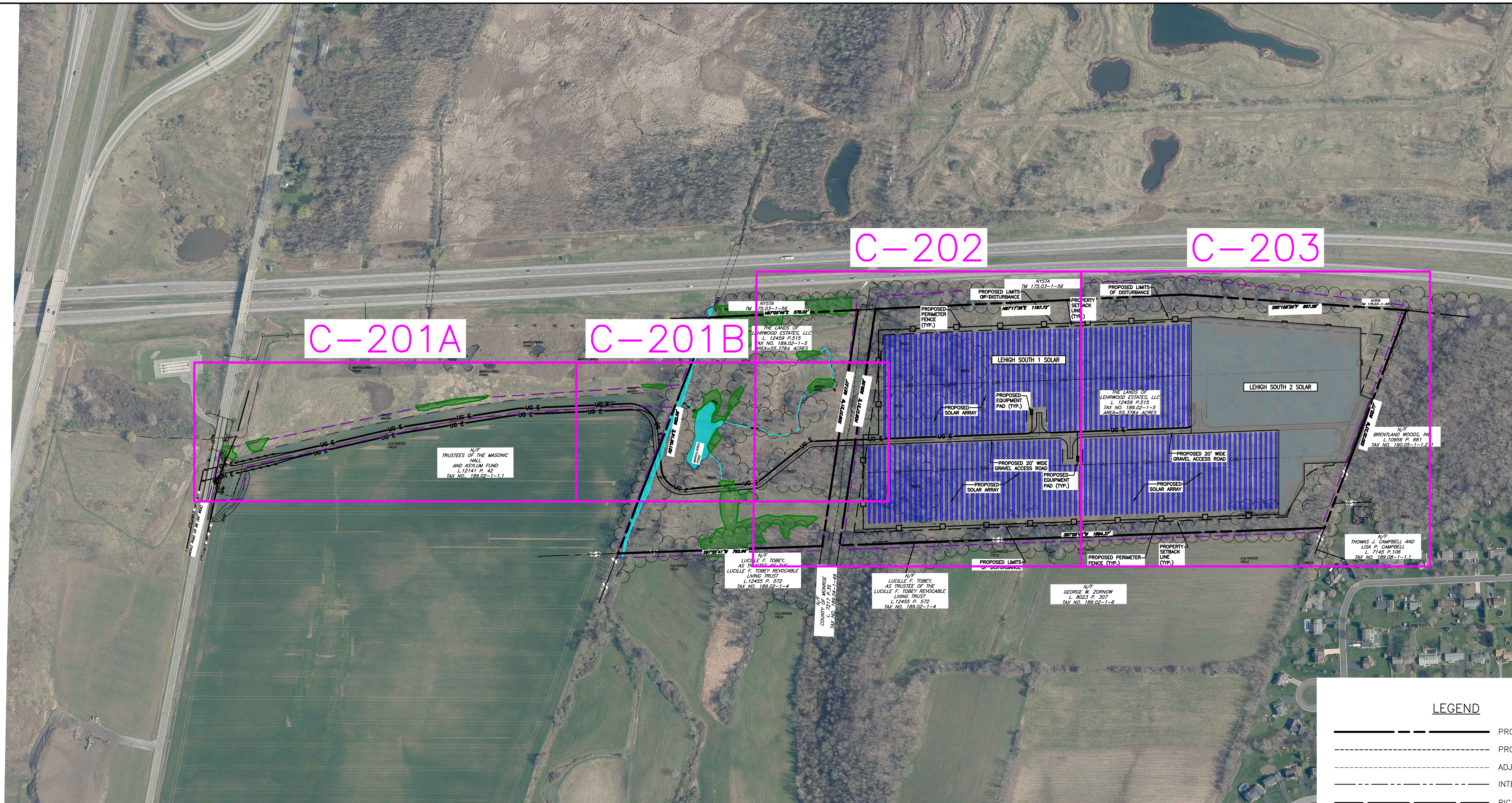


<p>PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY</p>		<p>TITLE OF DRAWING EXISTING CONDITIONS PLAN</p>	
<p>DRAWING NO. C-101</p>		<p>SHEET 4 OF 26</p>	
<p>FA PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf</p>		<p>ISSUE DATE 10/12/2023</p>	
<p>DRAWN BY J. TORRES SCALE AS SHOWN</p>		<p>REV</p>	
<p>DATE</p>		<p>DESCRIPTION</p>	
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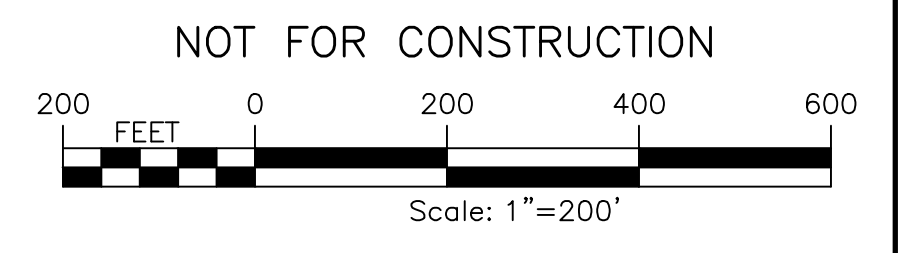
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LEGEND

	PROJECT BOUNDARY
	PROPERTY SETBACK
	ADJACENT PROPERTY LINE
	INTERIOR LOT LINE
	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	WETLAND BUFFER
	DELINEATED WETLANDS
	PERVIOUS GRAVEL ACCESS ROAD
	PROPOSED SOLAR PANEL ARRAY SITE 1
	PROPOSED SOLAR PANEL ARRAY SITE 2
	LIMIT OF DISTURBANCE



	REV	DESCRIPTION	DATE
7			
6			
5			
4			
3			
2			
1			

I, **J. TORRES**, State of New York Licensed Professional Engineer, No. 13802, do hereby certify that I am the author of the above described drawings and that I am a duly licensed professional engineer in the State of New York. My office is located at 1000 West 10th Street, Suite 200, New York, NY 10014.

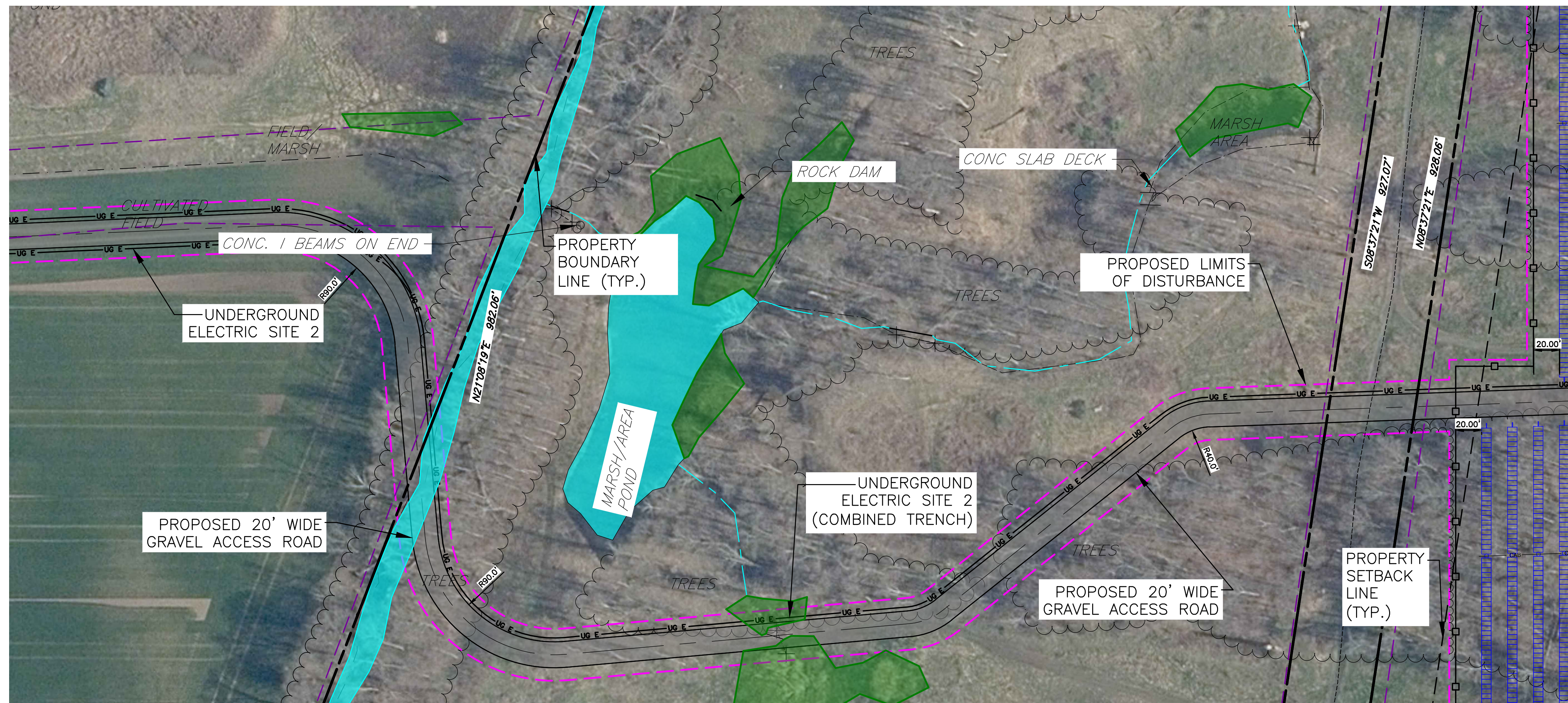
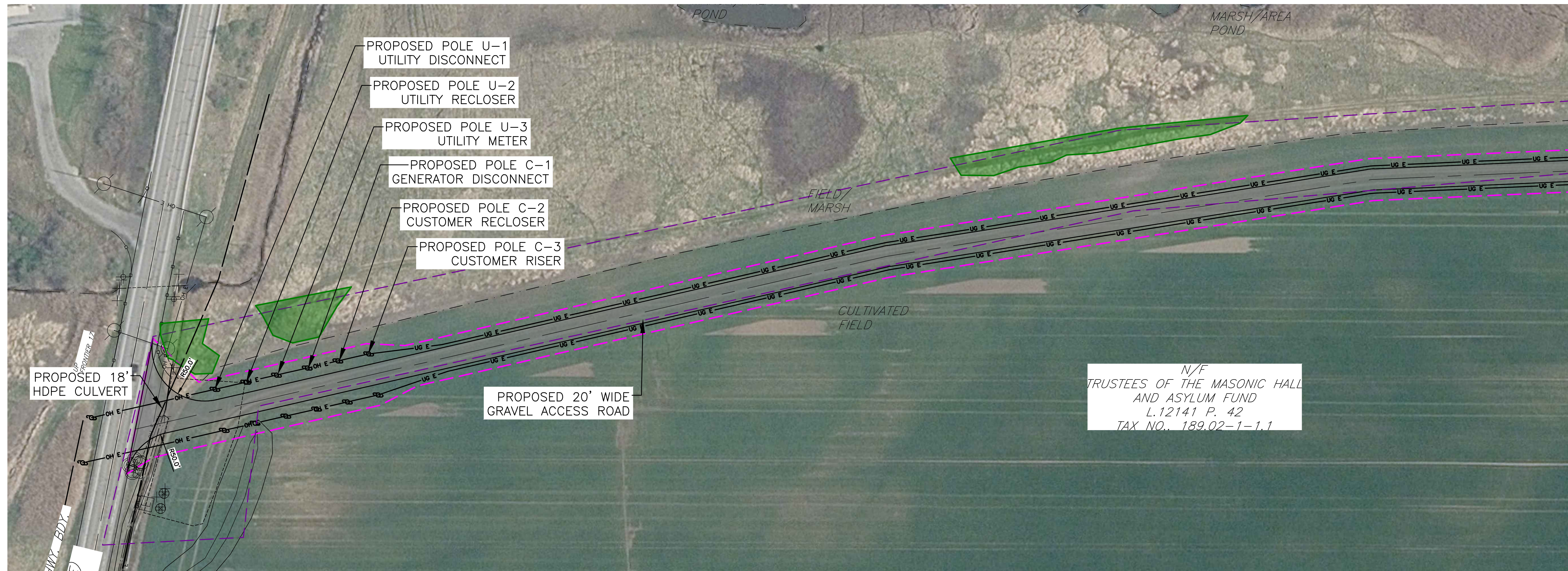
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PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY	TITLE OF DRAWING OVERALL SITE PLAN INDEX
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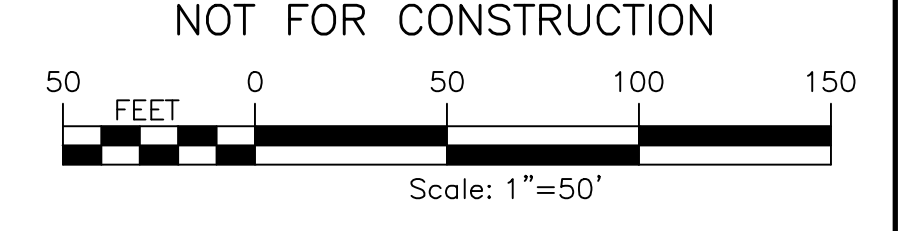
DRAWING NO.	BY
C-200	DATE
	REV

SHEET 5 OF 26



LEGEND

	PROJECT BOUNDARY
	PROPERTY SETBACK
	ADJACENT PROPERTY LINE
	INTERIOR LOT LINE
	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	WETLAND BUFFER
	DELINEATED WETLANDS
	PERVIOUS GRAVEL ACCESS ROAD
	PROPOSED SOLAR PANEL ARRAY SITE 1
	PROPOSED SOLAR PANEL ARRAY SITE 2



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<p>FA PROJECT NO. 230529 06</p> <p>PROJECT MANAGER A. Dorf</p> <p>DRAWN BY J. TORRES</p> <p>SCALE AS SHOWN</p>		<p>ISSUE DATE 10/12/2023</p>																																	
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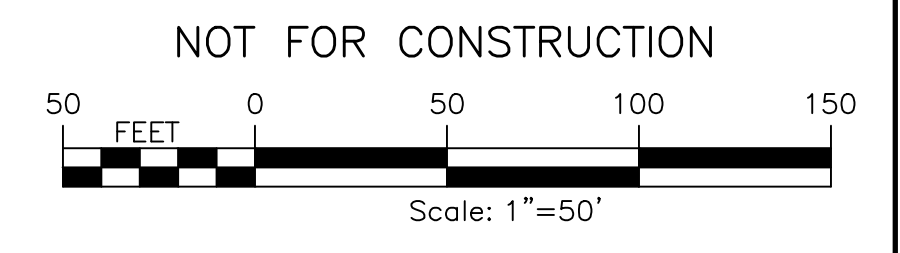


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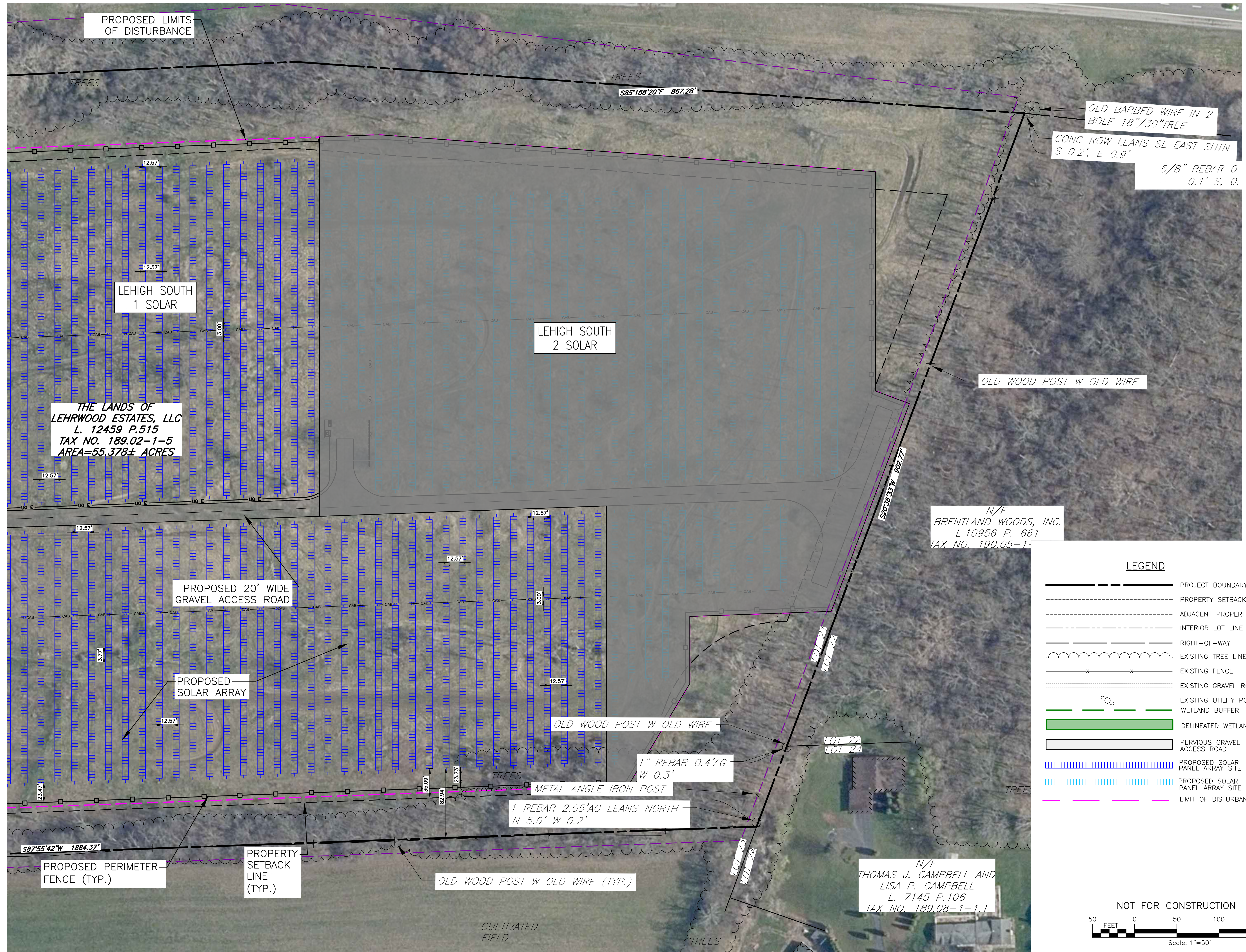
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	PROPERTY SETBACK
	ADJACENT PROPERTY LINE
	INTERIOR LOT LINE
	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	WETLAND BUFFER
	DELIMITED WETLANDS
	PERVIOUS GRAVEL ACCESS ROAD
	PROPOSED SOLAR PANEL ARRAY SITE 1
	PROPOSED SOLAR PANEL ARRAY SITE 2



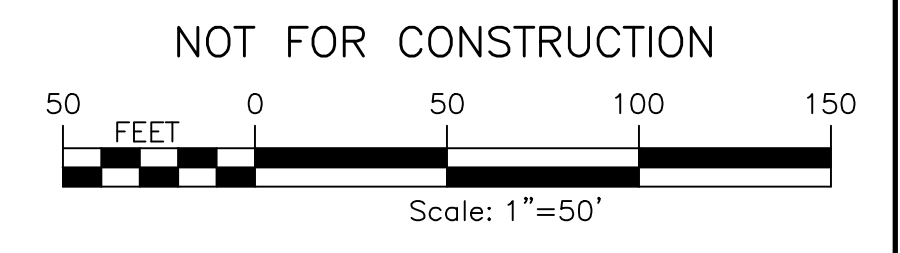
PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY	TITLE OF DRAWING SITE PLAN
DRAWING NO. C-202	SHEET 7 OF 26
PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf	DRAWN BY J. TORRES SCALE AS SHOWN
ISSUE DATE 10/12/2023	REV
DESCRIPTION	DATE
BY	DATE

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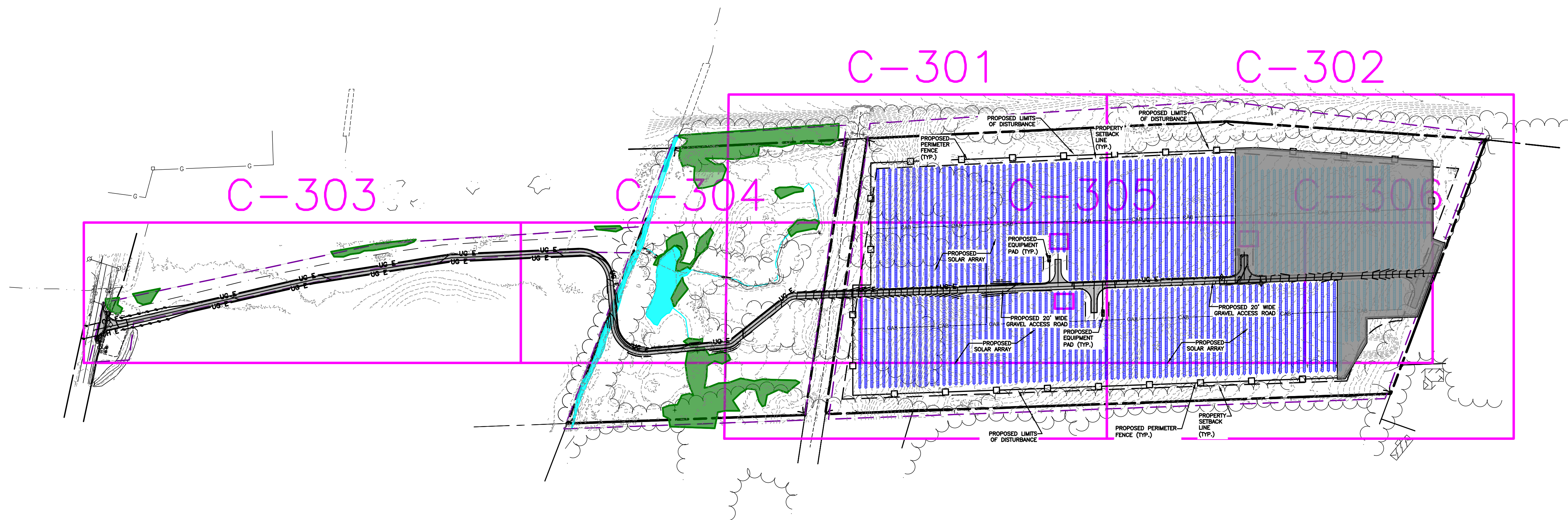
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	PROPERTY SETBACK
	ADJACENT PROPERTY LINE
	INTERIOR LOT LINE
	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	WETLAND BUFFER
	DELINEATED WETLANDS
	PERVIOUS GRAVEL ACCESS ROAD
	PROPOSED SOLAR PANEL ARRAY SITE 1
	PROPOSED SOLAR PANEL ARRAY SITE 2
	LIMIT OF DISTURBANCE



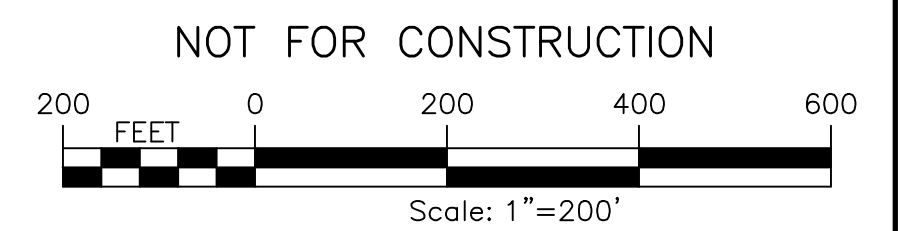
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DRAWING NO. C-203	SHEET 8 OF 26
PROJECT NO. 230529_06 PROJECT MANAGER A. Dorf	DRAWN BY J. TORRES SCALE AS SHOWN
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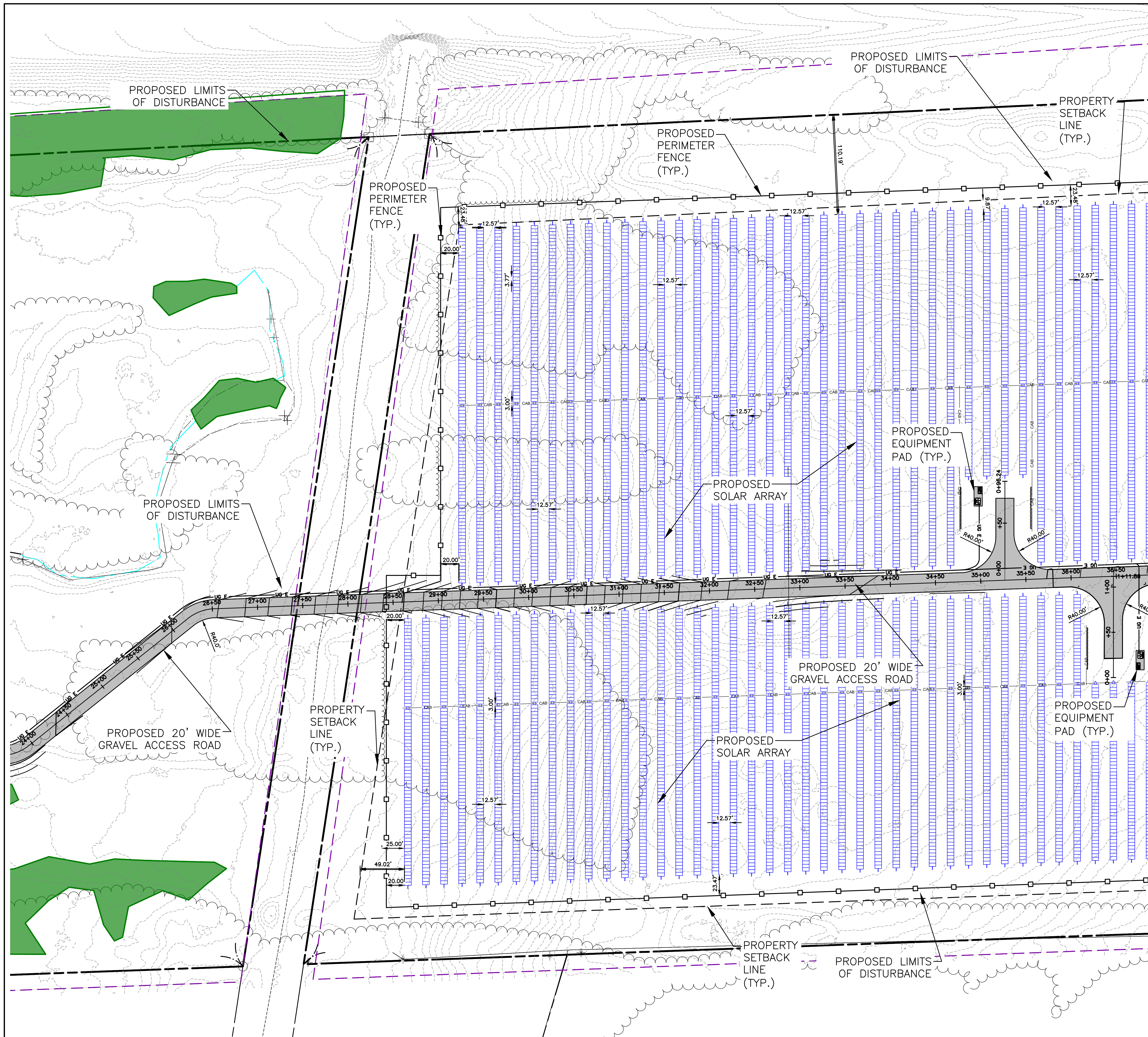
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- PROJECT BOUNDARY
- PROPERTY SETBACK
- ADJACENT PROPERTY LINE
- INTERIOR LOT LINE
- RIGHT-OF-WAY
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING GRAVEL ROAD
- EXISTING UTILITY POLE
- WETLAND BUFFER
- DELINEATED WETLANDS
- PERVIOUS GRAVEL ACCESS ROAD
- PROPOSED SOLAR PANEL ARRAY SITE 1
- PROPOSED SOLAR PANEL ARRAY SITE 2
- LIMIT OF DISTURBANCE



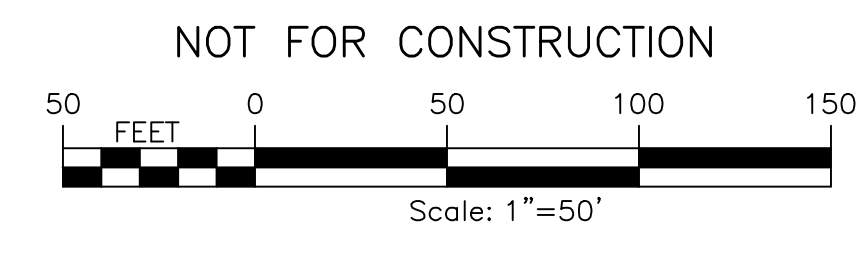
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<p>PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY</p>		<p>TITLE OF DRAWING OVERALL GRADING PLAN</p>		<p>DRAWING NO. C-300</p>			
<p>PROJECT BOUNDARY</p>		<p>PROPERTY SETBACK</p>		<p>ADJACENT PROPERTY LINE</p>			
<p>INTERIOR LOT LINE</p>		<p>RIGHT-OF-WAY</p>		<p>EXISTING TREE LINE</p>			
<p>EXISTING FENCE</p>		<p>EXISTING GRAVEL ROAD</p>		<p>EXISTING UTILITY POLE</p>			
<p>WETLAND BUFFER</p>		<p>DELINEATED WETLANDS</p>		<p>PERVIOUS GRAVEL ACCESS ROAD</p>			
<p>PROPOSED SOLAR PANEL ARRAY SITE 1</p>		<p>PROPOSED SOLAR PANEL ARRAY SITE 2</p>		<p>LIMIT OF DISTURBANCE</p>			
<p>REV</p>		<p>DESCRIPTION</p>		<p>DATE</p>			
<p>7</p>		<p>6</p>		<p>5</p>			
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LEGEND

	PROJECT BOUNDARY
	PROPERTY SETBACK
	ADJACENT PROPERTY LINE
	INTERIOR LOT LINE
	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	WETLAND BUFFER
	DELINEATED WETLANDS
	PERVIOUS GRAVEL ACCESS ROAD
	PROPOSED SOLAR PANEL ARRAY SITE 1
	PROPOSED SOLAR PANEL ARRAY SITE 2
	LIMIT OF DISTURBANCE



PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY		TITLE OF DRAWING GRADING PLAN	
DRAWING NO. C-301		SHEET 10 OF 26	
PROJECT NO. 230529_06 PROJECT MANAGER A. Dorf		DRAWN BY J. TORRES SCALE AS SHOWN	
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STATE OF NEW YORK SEVEN C. MELLOTT PROFESSIONAL ENGINEER		AS SHOWN 10/12/2023	
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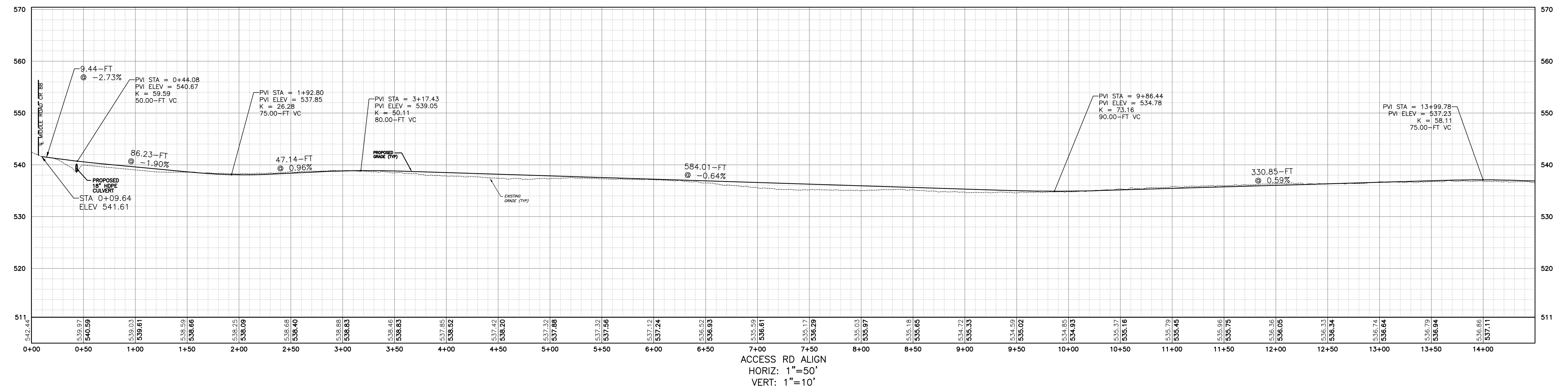
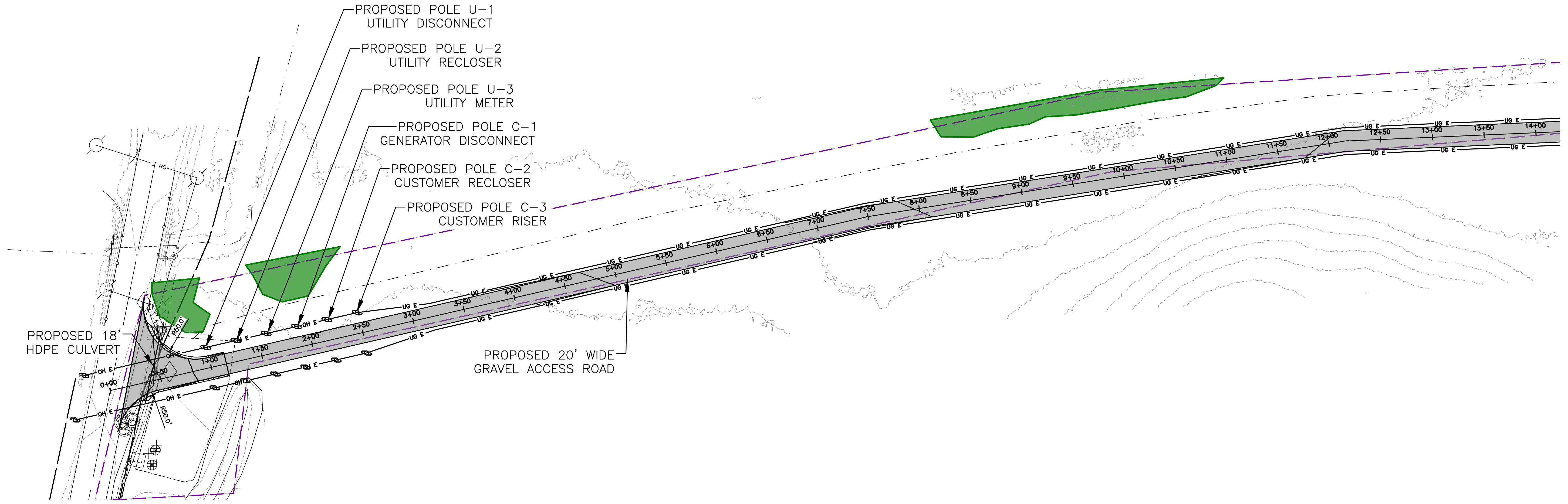
- PROJECT BOUNDARY
- PROPERTY SETBACK
- ADJACENT PROPERTY LINE
- INTERIOR LOT LINE
- RIGHT-OF-WAY
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING GRAVEL ROAD
- EXISTING UTILITY POLE
- DELINEATED WETLANDS
- PROPOSED SOLAR PANEL ARRAY SITE 1
- PROPOSED SOLAR PANEL ARRAY SITE 2
- PROPOSED FENCE
- LIMIT OF DISTURBANCE
- PERVIOUS GRAVEL ACCESS ROAD
- PROPOSED STAGING AREA
- PROPOSED UTILITY POLE

NOT FOR CONSTRUCTION

Scale: 1"=50'

PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY	TITLE OF DRAWING GRADING PLAN
DRAWING NO. C-302	SHEET 11 OF 26
PROJECT NO. 230529_06 PROJECT MANAGER A. Dorf	DRAWN BY J. TORRES SCALE AS SHOWN
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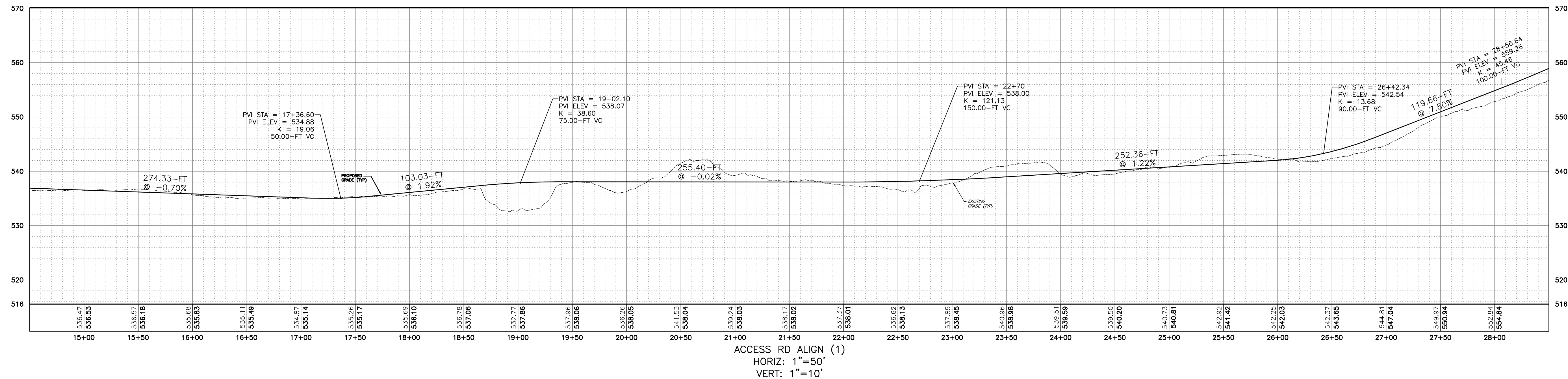
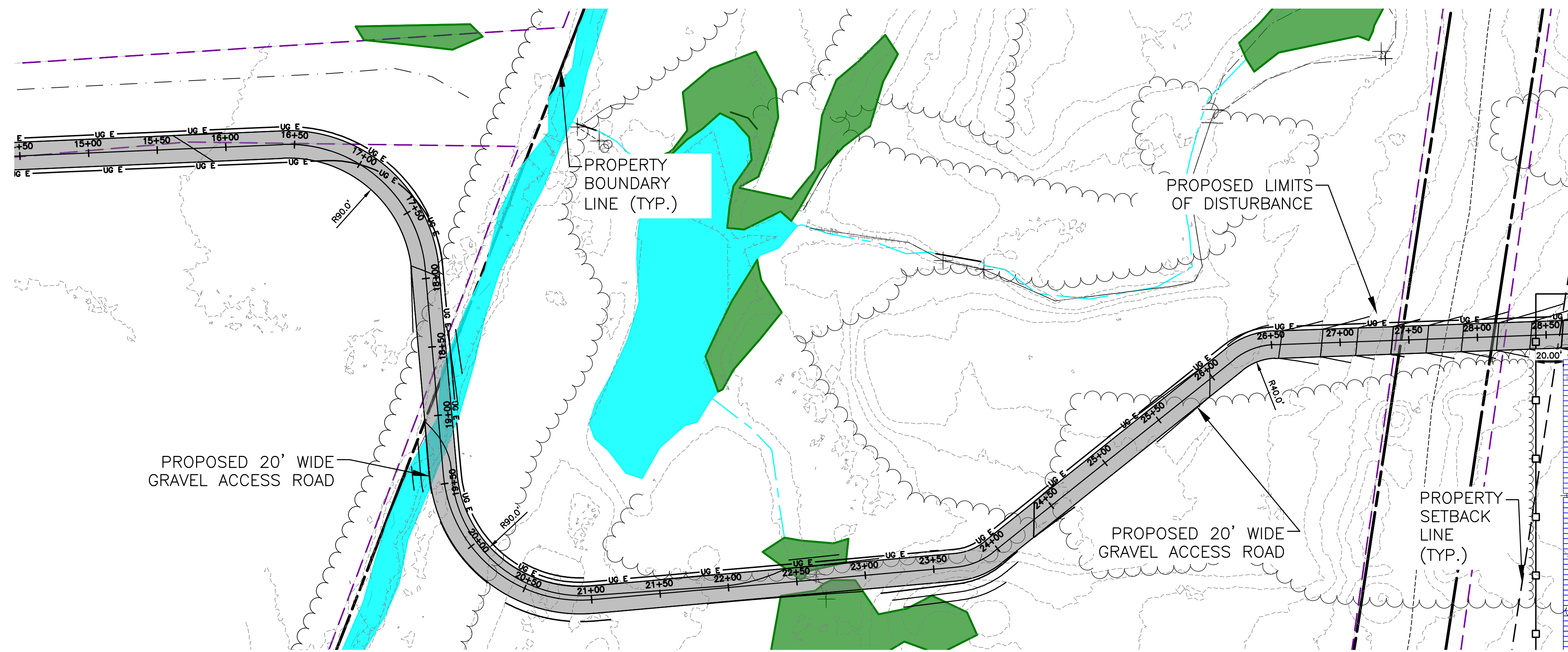
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	ADJACENT PROPERTY LINE		PROPOSED SOLAR PANEL ARRAY SITE 2
	INTERIOR LOT LINE		PROPOSED FENCE
	RIGHT-OF-WAY		LIMIT OF DISTURBANCE
	EXISTING TREE LINE		PERVIOUS GRAVEL ACCESS ROAD
	EXISTING FENCE		PROPOSED STAGING AREA
	EXISTING GRAVEL ROAD		PROPOSED UTILITY POLE
	EXISTING UTILITY POLE		WETLAND BUFFER

NOT FOR CONSTRUCTION

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 Scale: 1"=50'

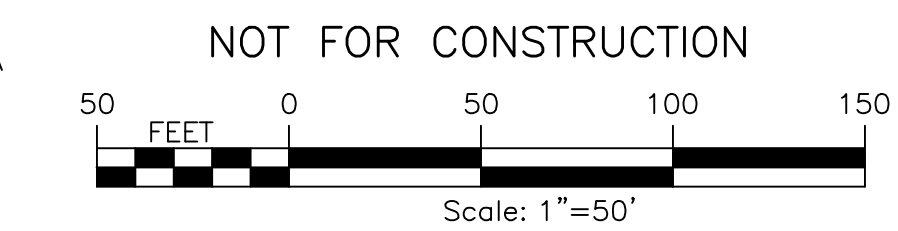
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DRAWING NO. C-303		SHEET 12 OF 26	
PROJECT MANAGER: A. Dorf		DRAWN BY: J. TORRES	
FA PROJECT NO. 230529 06		AS SHOWN	
ISSUED DATE: 10/12/2023		REV	
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BY		DATE	

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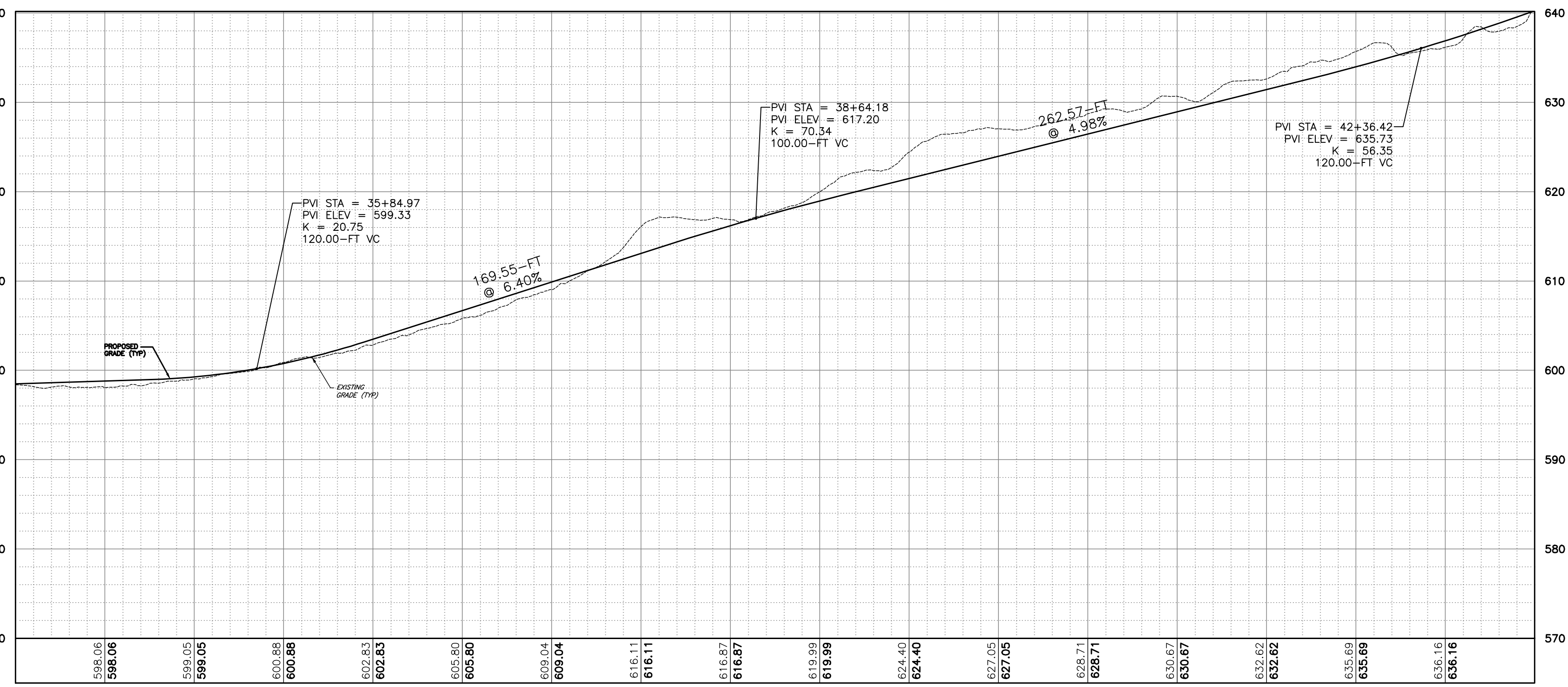
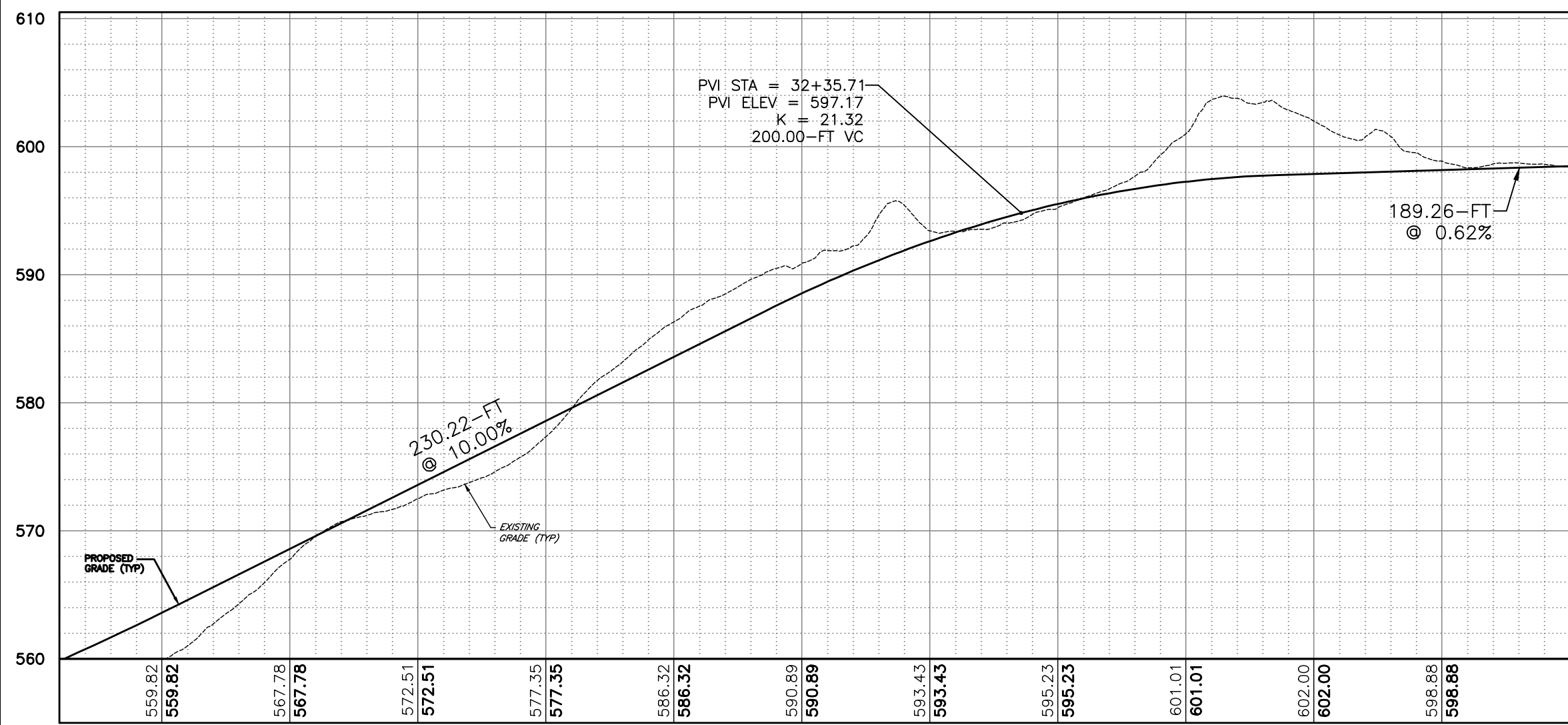
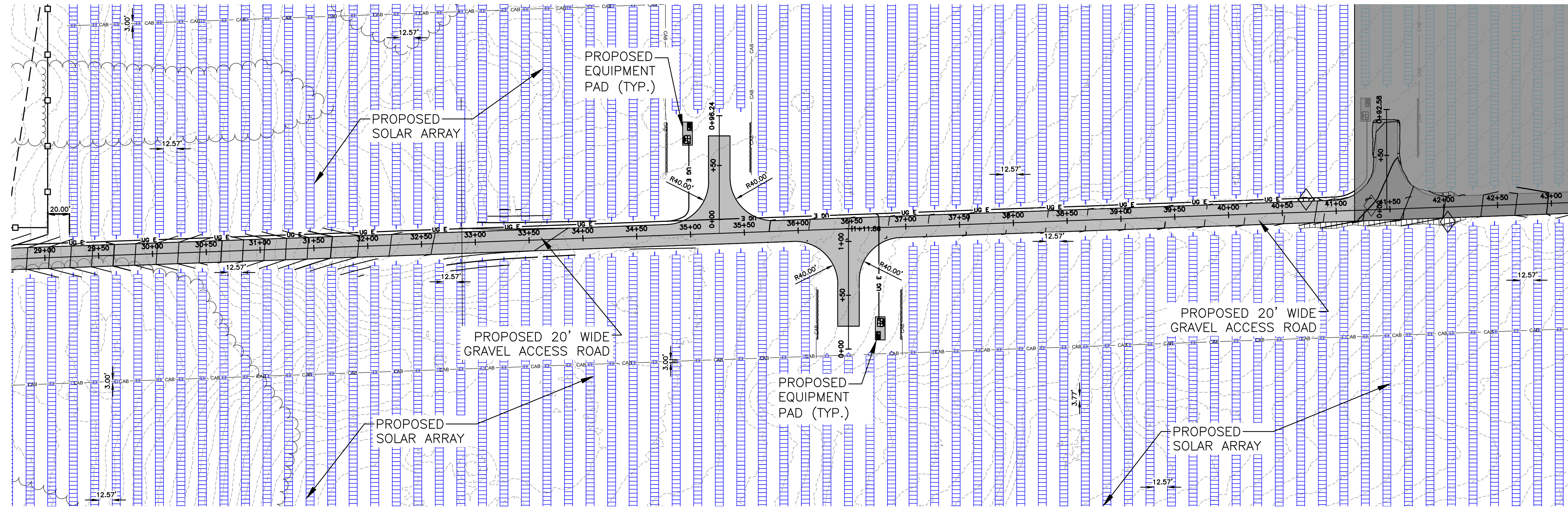
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	PROJECT BOUNDARY		DELINEATED WETLANDS
	PROPERTY SETBACK		PROPOSED SOLAR PANEL ARRAY SITE 1
	ADJACENT PROPERTY LINE		PROPOSED SOLAR PANEL ARRAY SITE 2
	INTERIOR LOT LINE		PROPOSED FENCE
	RIGHT-OF-WAY		LIMIT OF DISTURBANCE
	EXISTING TREE LINE		PERVIOUS GRAVEL ACCESS ROAD
	EXISTING FENCE		PROPOSED STAGING AREA
	EXISTING GRAVEL ROAD		PROPOSED UTILITY POLE
	EXISTING UTILITY POLE		WETLAND BUFFER



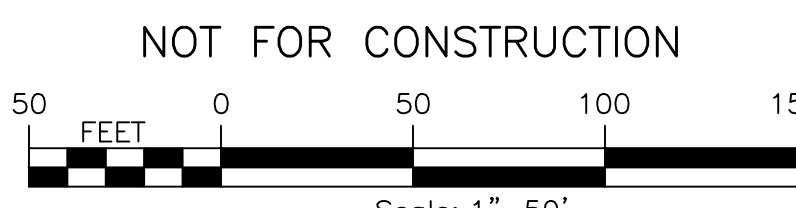
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PROJECT MANAGER: A. Dorf		DRAWN BY: J. TORRES	
AS SHOWN		SCALE:	
PROJECT NO. 230529_06		ISSUE DATE: 10/12/2023	
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DESCRIPTION		DATE BY	

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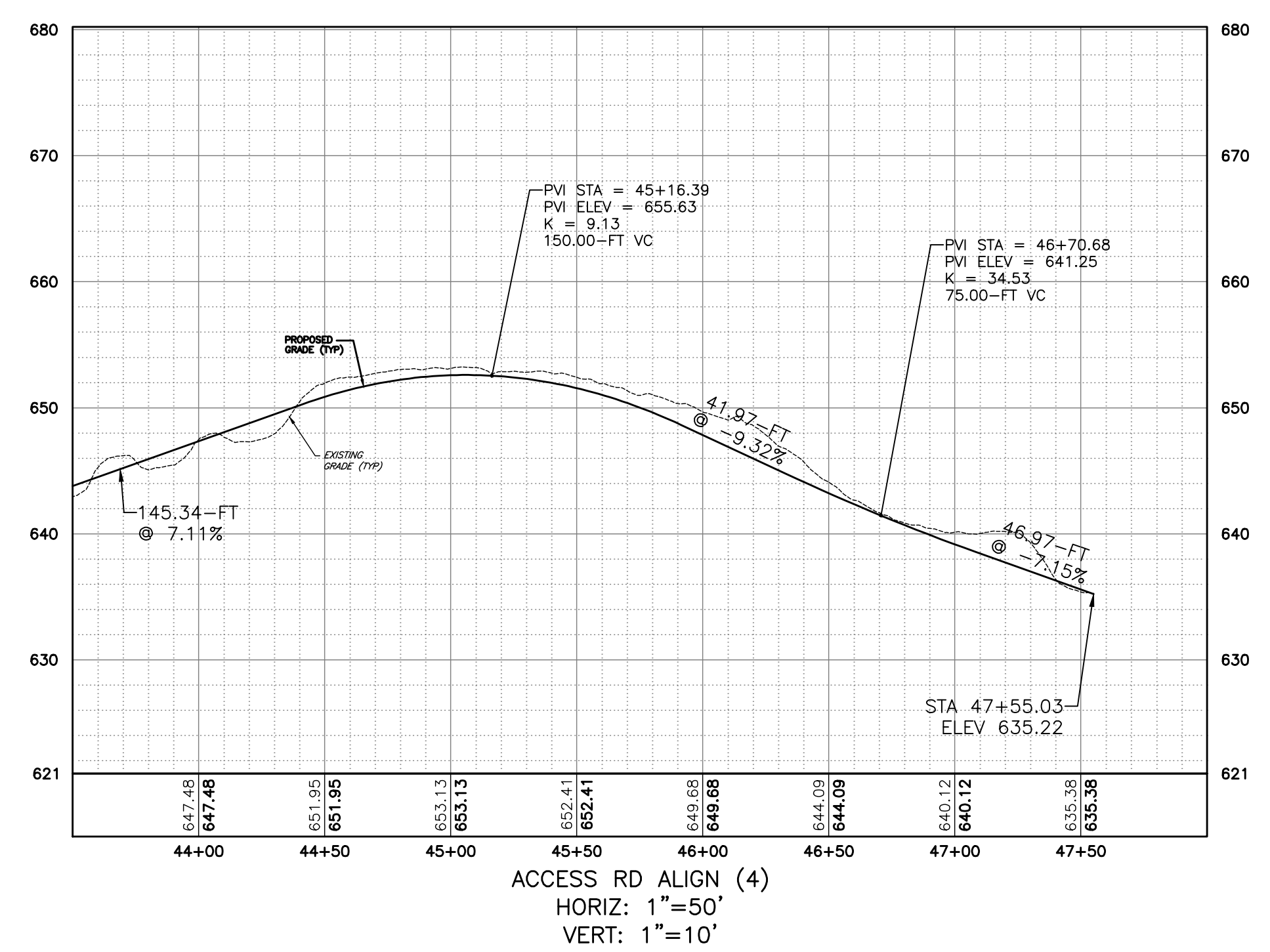
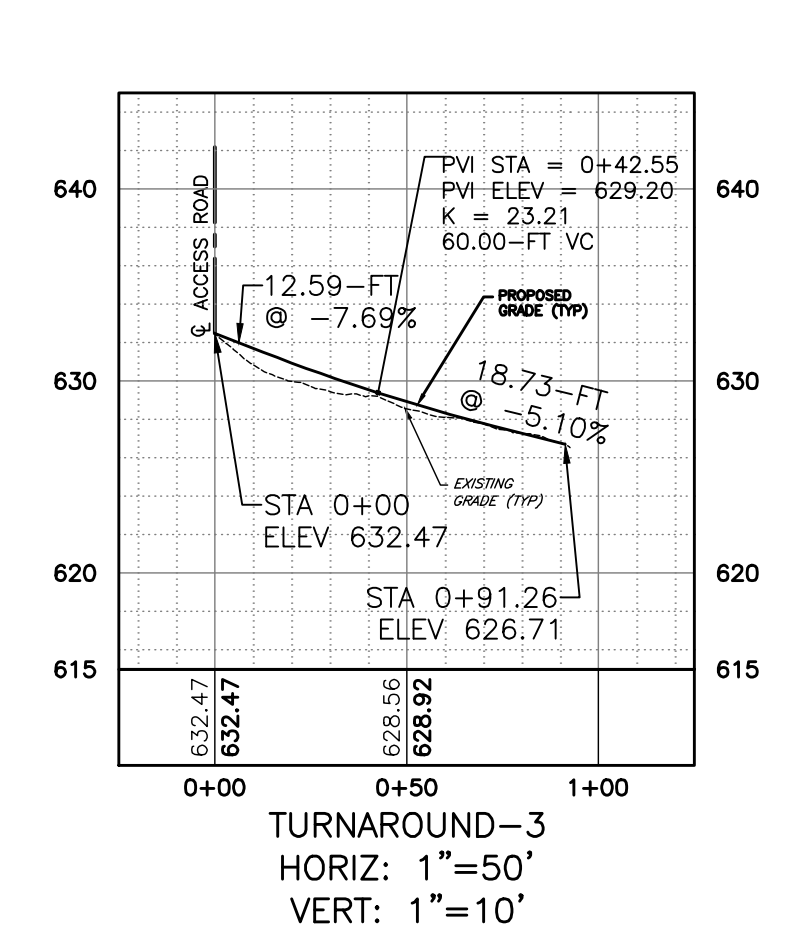
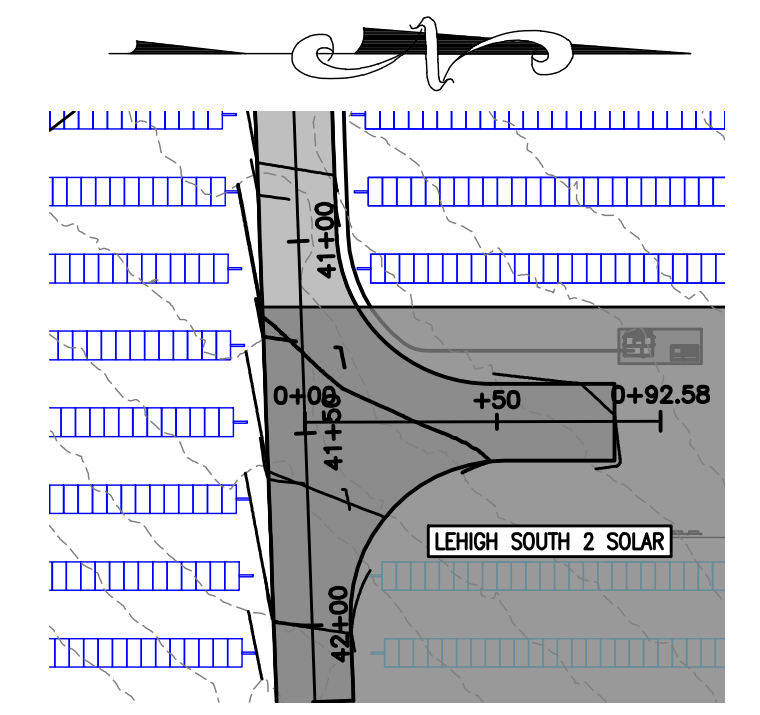
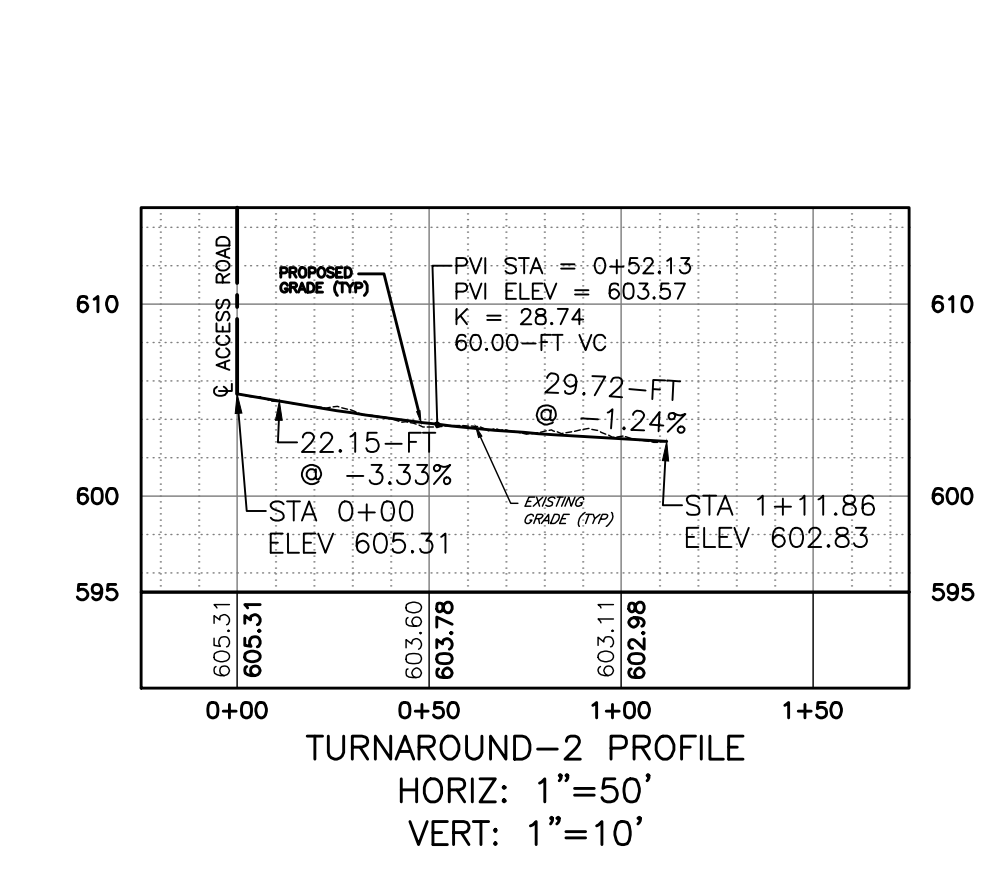
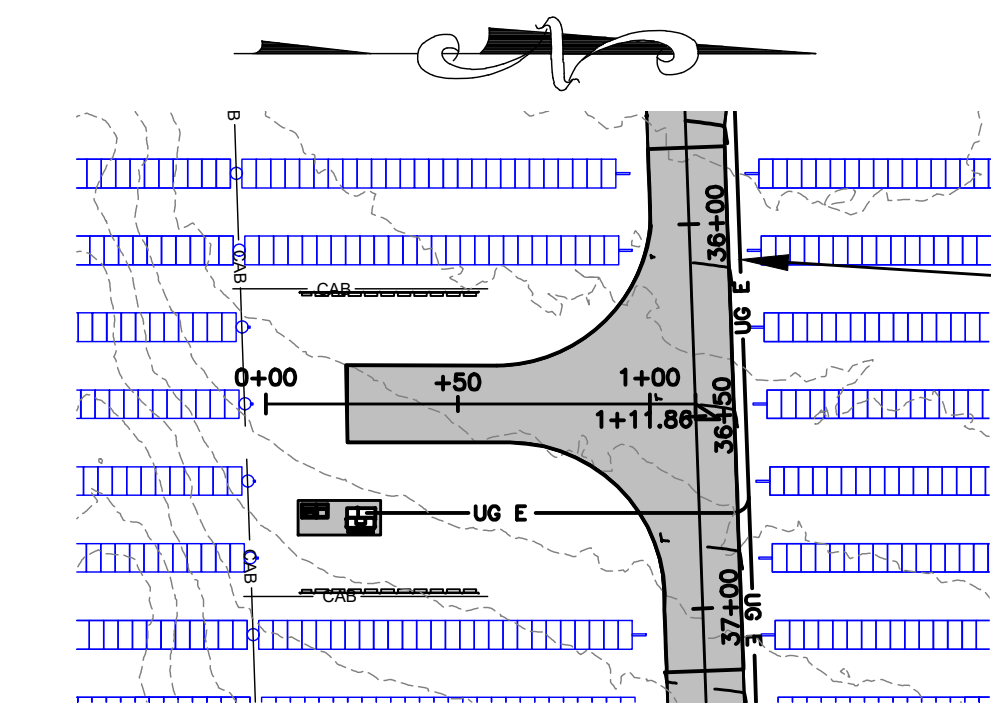
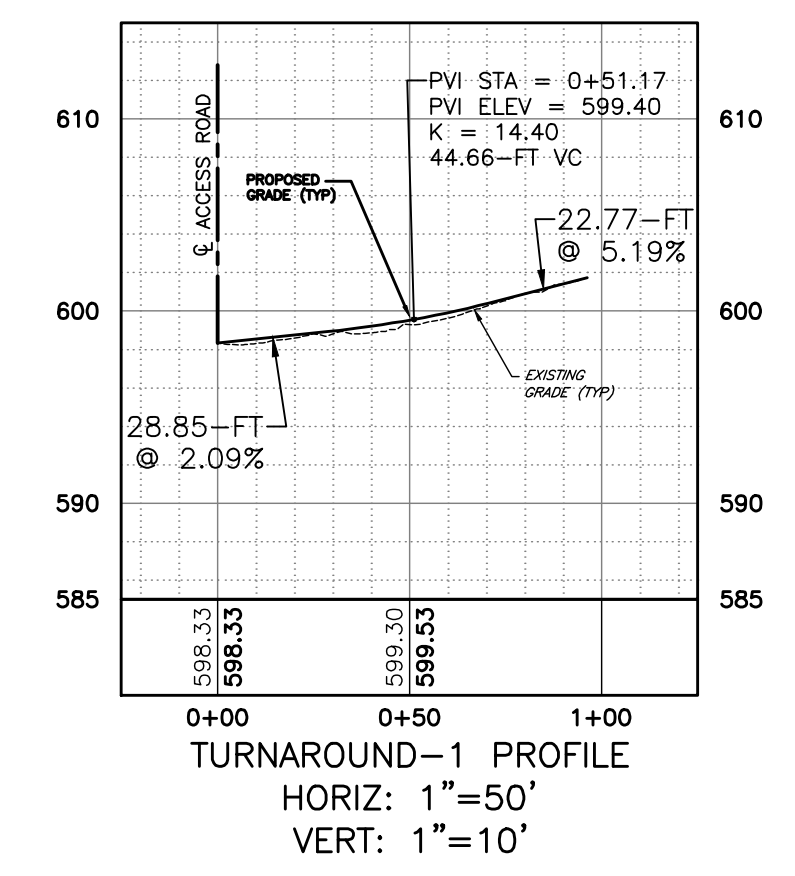
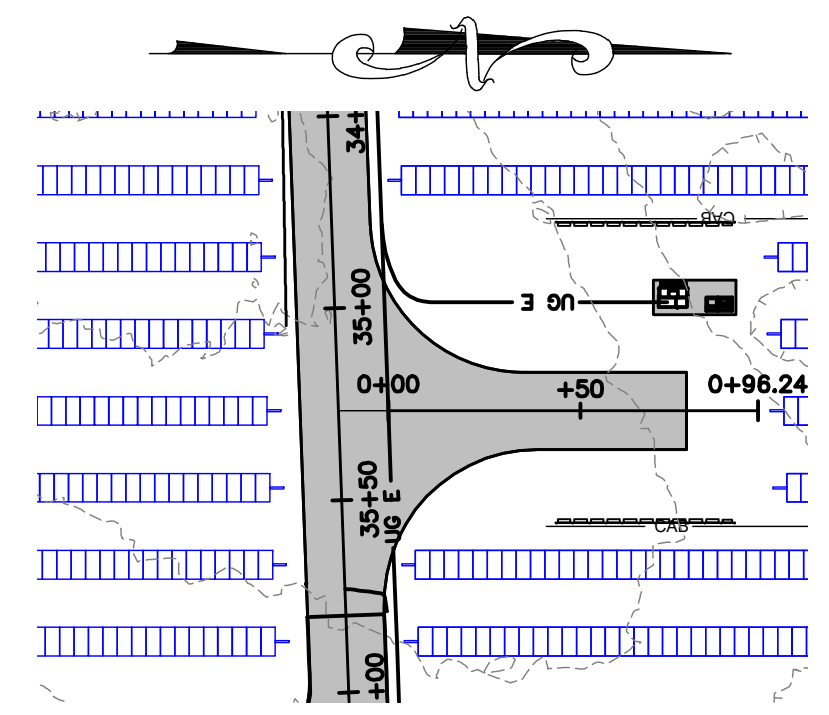
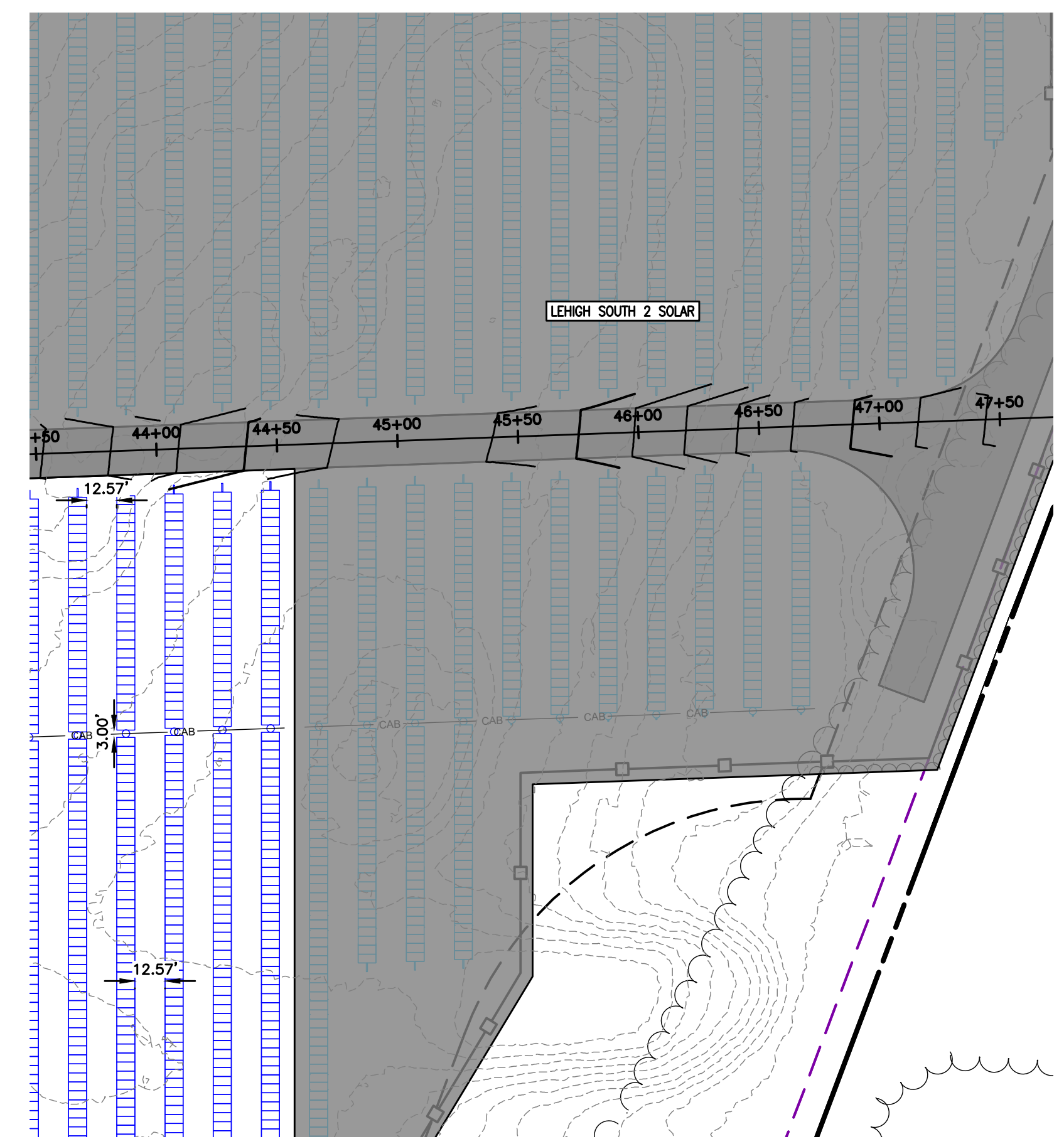
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	PROJECT BOUNDARY		DELINEATED WETLANDS
	PROPERTY SETBACK		PROPOSED SOLAR PANEL ARRAY SITE 1
	ADJACENT PROPERTY LINE		PROPOSED SOLAR PANEL ARRAY SITE 2
	INTERIOR LOT LINE		PROPOSED FENCE
	RIGHT-OF-WAY		LIMIT OF DISTURBANCE
	EXISTING TREE LINE		PERVIOUS GRAVEL ACCESS ROAD
	EXISTING FENCE		PROPOSED STAGING AREA
	EXISTING GRAVEL ROAD		PROPOSED UTILITY POLE
	EXISTING UTILITY POLE		WETLAND BUFFER

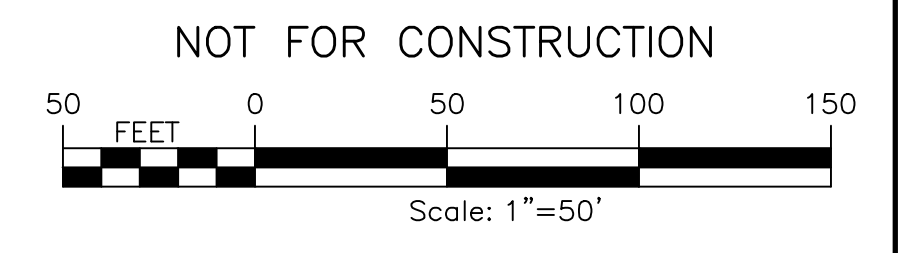


PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY		TITLE OF DRAWING ACCESS ROAD PLAN AND PROFILE	
DRAWING NO. C-305		SHEET 14 OF 26	
PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf	DRAWN BY J. TORRES SCALE AS SHOWN	ISSUE DATE 10/12/2023	COPYRIGHT © 2023 FISHER ASSOCIATES P.E. L.S., D.P.C. New York State Education Law Section 1405.3 requires that this plan for any person, unless he/she is a licensed professional engineer or land surveyor, be prepared by a professional engineer or land surveyor. If any firm bearing the seal of an engineer or land surveyor and the seal of a professional engineer or land surveyor and the seal of a professional engineer or land surveyor are used on this plan, the seal of the professional engineer or land surveyor shall be used.
7 6 5 4 3 2 1	REV	DESCRIPTION	DATE BY

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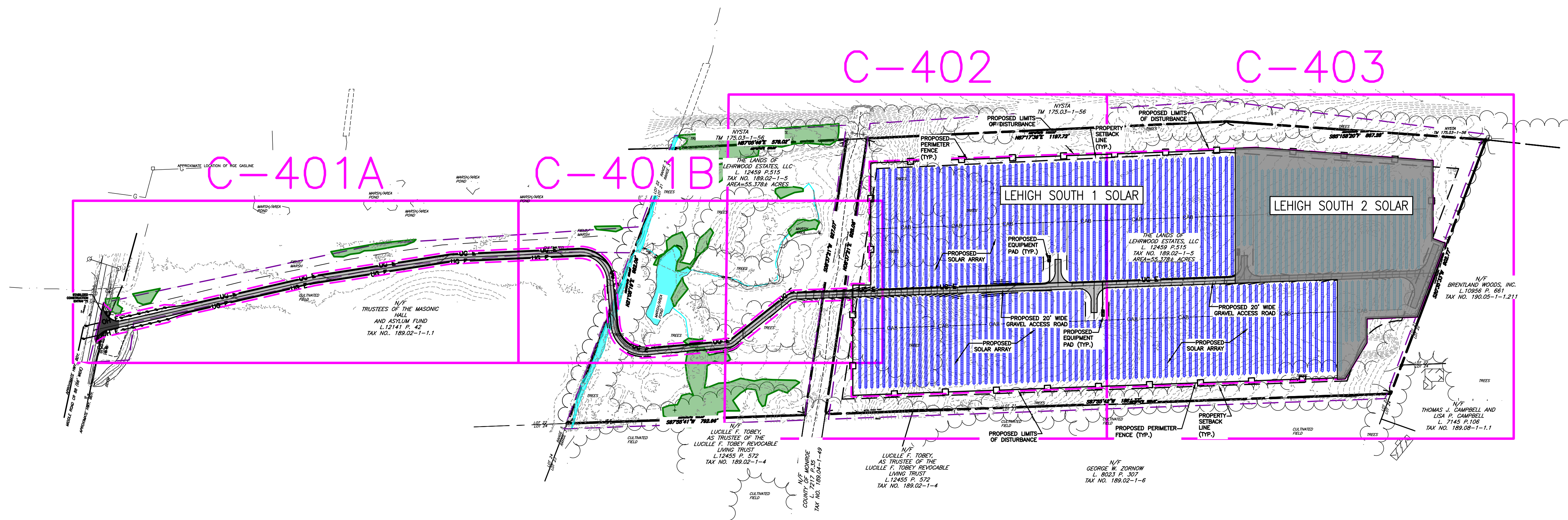


- LEGEND**
- PROJECT BOUNDARY
 - - - PROPERTY SETBACK
 - - - ADJACENT PROPERTY LINE
 - - - INTERIOR LOT LINE
 - RIGHT-OF-WAY
 - ~ ~ ~ EXISTING TREE LINE
 - x - x - EXISTING FENCE
 - - - EXISTING GRAVEL ROAD
 - - - EXISTING UTILITY POLE
 - █ DELINEATED WETLANDS
 - ▒ PROPOSED SOLAR PANEL ARRAY SITE 1
 - ▒ PROPOSED SOLAR PANEL ARRAY SITE 2
 - ▒ PROPOSED FENCE
 - - - LIMIT OF DISTURBANCE
 - ▒ PERVIOUS GRAVEL ACCESS ROAD
 - ▒ PROPOSED STAGING AREA
 - PROPOSED UTILITY POLE



PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY		TITLE OF DRAWING ACCESS ROAD PLAN AND PROFILE	
DRAWING NO. C-306		SHEET 15 OF 26	
FA PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf	DRAWN BY J. TORRES SCALE AS SHOWN	ISSUE DATE 10/12/2023	REV 1 2 3 4 5 6 7
STATE OF NEW YORK SEVEN C. MELLOTT LICENSE NO. 688012 PROFESSIONAL ENGINEER		FISHER ASSOCIATES WWW.FISHERASSOC.COM	
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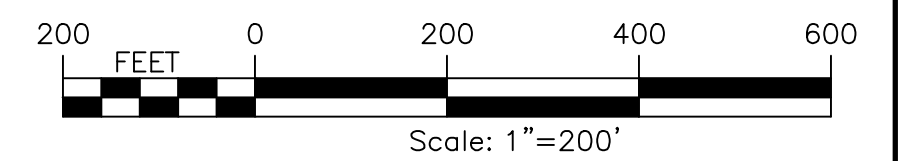
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LEGEND

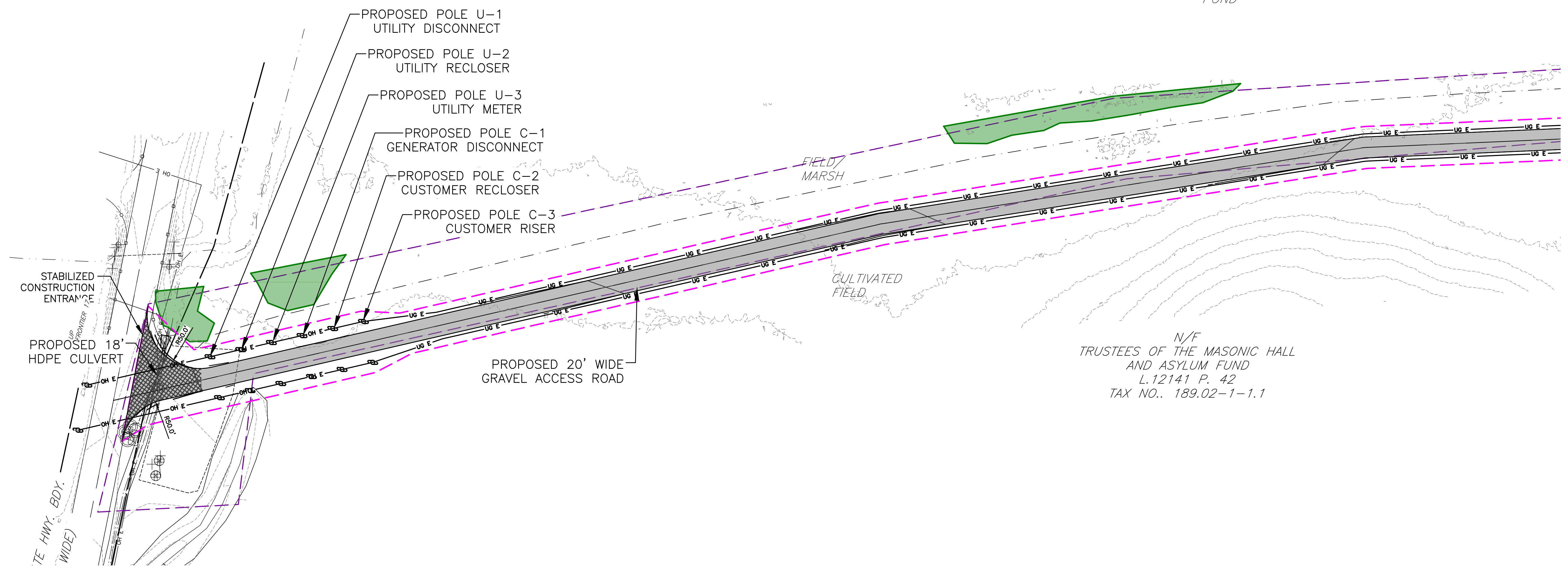
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- RIGHT-OF-WAY
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- EXISTING FENCE
- EXISTING GRAVEL ROAD
- EXISTING UTILITY POLE
- DELINEATED WETLANDS
- PROPOSED SOLAR PANEL ARRAY SITE 1
- PROPOSED SOLAR PANEL ARRAY SITE 2
- PROPOSED FENCE
- LIMIT OF DISTURBANCE
- PERVIOUS GRAVEL ACCESS ROAD
- PROPOSED STAGING AREA
- PROPOSED UTILITY POLE
- PROPOSED SILT FENCE
- WETLAND BUFFER

NOT FOR CONSTRUCTION

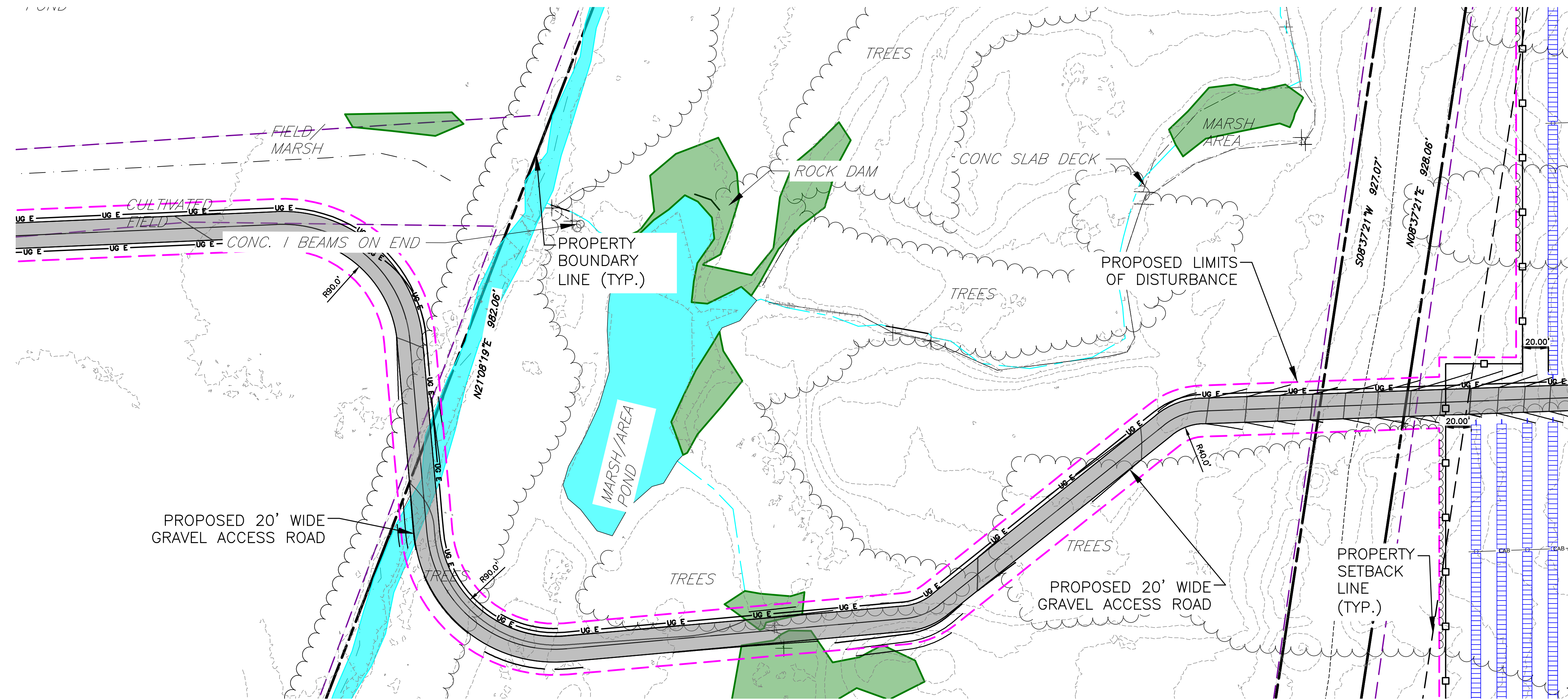


	<p>STATE OF NEW YORK STEVEN C. MELLOTT LICENSED PROFESSIONAL ENGINEER</p>						
<p>PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY</p>	<p>TITLE OF DRAWING OVERALL EROSION CONTROL PLAN</p>						
<p>FA PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf</p>	<p>ISSUE DATE 10/12/2023</p>						
<p>DRAWN BY J. TORRES SCALE AS SHOWN</p>	<p>REV</p>						
<p>DESCRIPTION</p>							
<p>DATE</p>							
<p>BY</p>							

DRAWING NO.
C-400
 SHEET 17 OF 26

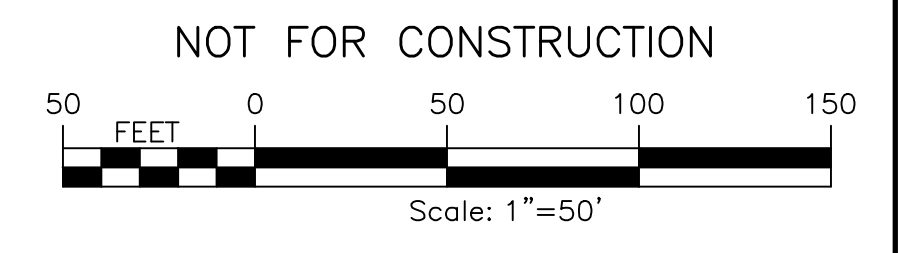


N/F
 TRUSTEES OF THE MASONIC HALL
 AND ASYLUM FUND
 L.12141 P. 42
 TAX NO.. 189.02-1-1.1



LEGEND

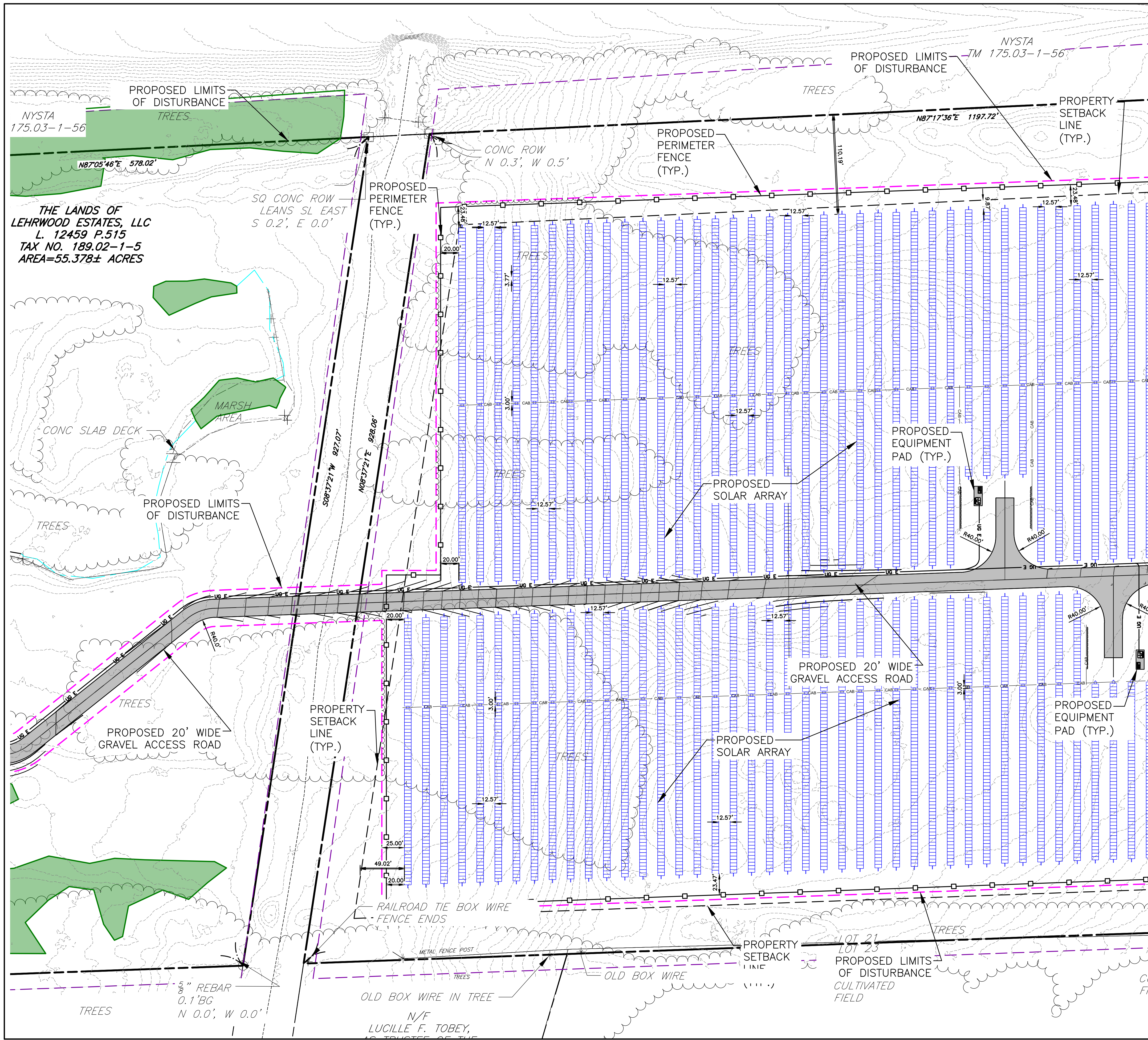
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	EXISTING UTILITY POLE
	DELINEATED WETLANDS
	PROPOSED SOLAR PANEL ARRAY SITE 1
	PROPOSED SOLAR PANEL ARRAY SITE 2
	PROPOSED FENCE
	LIMIT OF DISTURBANCE
	PERVIOUS GRAVEL ACCESS ROAD
	PROPOSED STAGING AREA
	PROPOSED UTILITY POLE
	PROPOSED SILT FENCE
	WETLAND BUFFER



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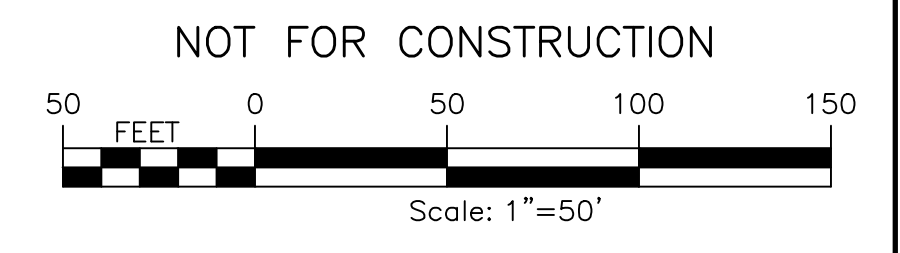
PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf DRAWN BY J. TORRES SCALE AS SHOWN	ISSUE DATE 10/12/2023
PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY	
TITLE OF DRAWING EROSION CONTROL PLAN	
DRAWING NO. C-401	
SHEET 18 OF 26	
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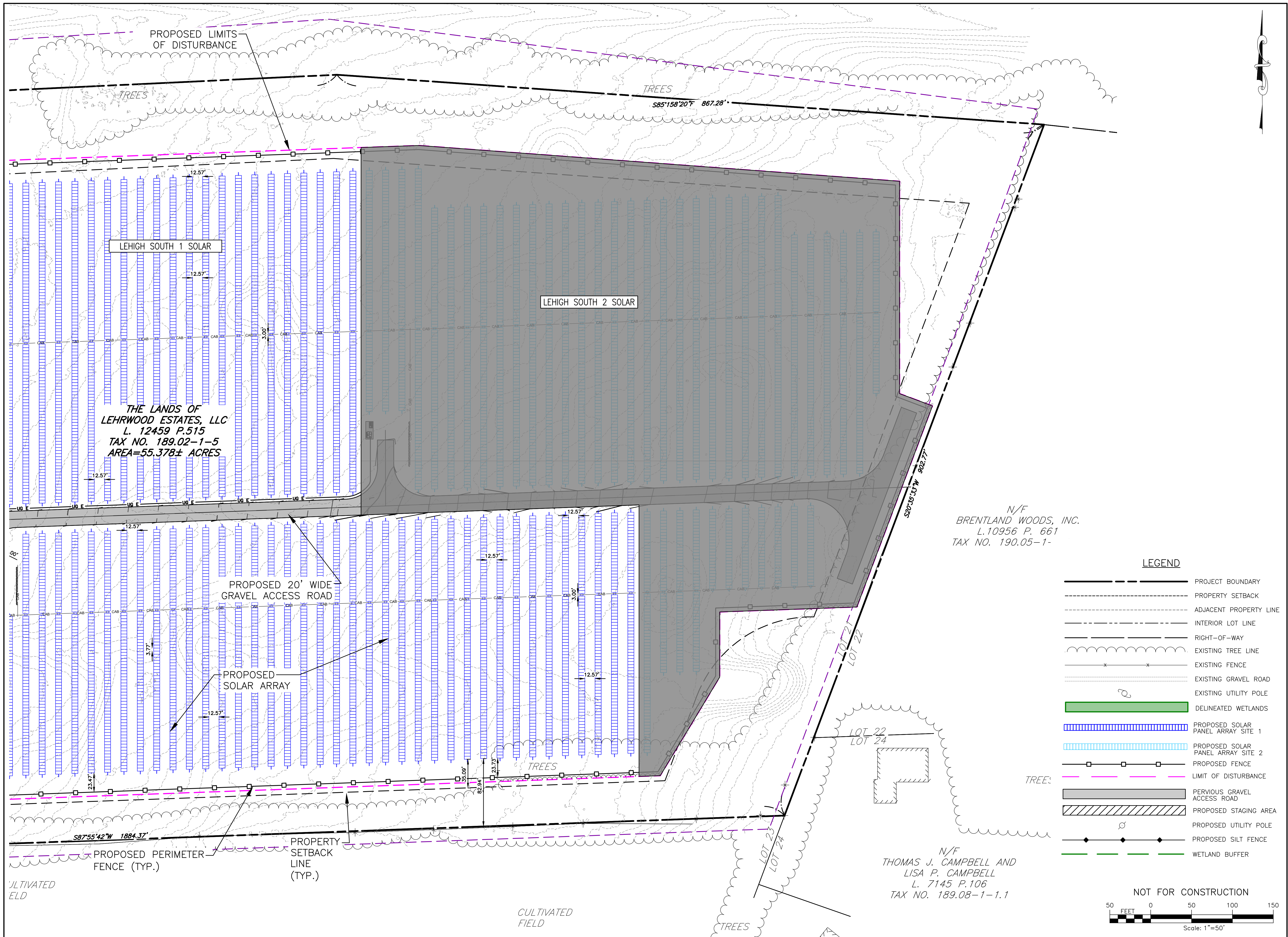
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	RIGHT-OF-WAY
	EXISTING TREE LINE
	EXISTING FENCE
	EXISTING GRAVEL ROAD
	EXISTING UTILITY POLE
	DELINEATED WETLANDS
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	PROPOSED SOLAR PANEL ARRAY SITE 2
	PROPOSED FENCE
	LIMIT OF DISTURBANCE
	PERVIOUS GRAVEL ACCESS ROAD
	PROPOSED STAGING AREA
	PROPOSED UTILITY POLE
	PROPOSED SILT FENCE
	WETLAND BUFFER



<p>PROJECT: LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY</p>	
<p>TITLE OF DRAWING: EROSION CONTROL PLAN</p>	
<p>DRAWING NO. C-402</p>	
<p>SHEET 19 OF 26</p>	
<p>FA PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf DRAWN BY J. TORRES SCALE AS SHOWN</p>	<p>ISSUE DATE 10/12/2023</p>
<p>STATE OF NEW YORK SEVEN C. MELLOTT PROFESSIONAL ENGINEER</p>	
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 USER: Steven Nelson



LEHIGH SOUTH 1 SOLAR

LEHIGH SOUTH 2 SOLAR

THE LANDS OF
 LEHRWOOD ESTATES, LLC
 L. 12459 P.515
 TAX NO. 189.02-1-5
 AREA=55.378± ACRES

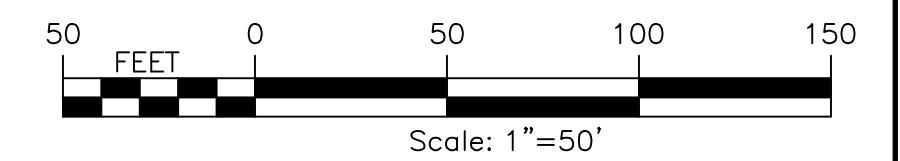
N/F
 BRENTLAND WOODS, INC.
 L.10956 P. 661
 TAX NO. 190.05-1-

N/F
 THOMAS J. CAMPBELL AND
 LISA P. CAMPBELL
 L. 7145 P.106
 TAX NO. 189.08-1-1.1

LEGEND

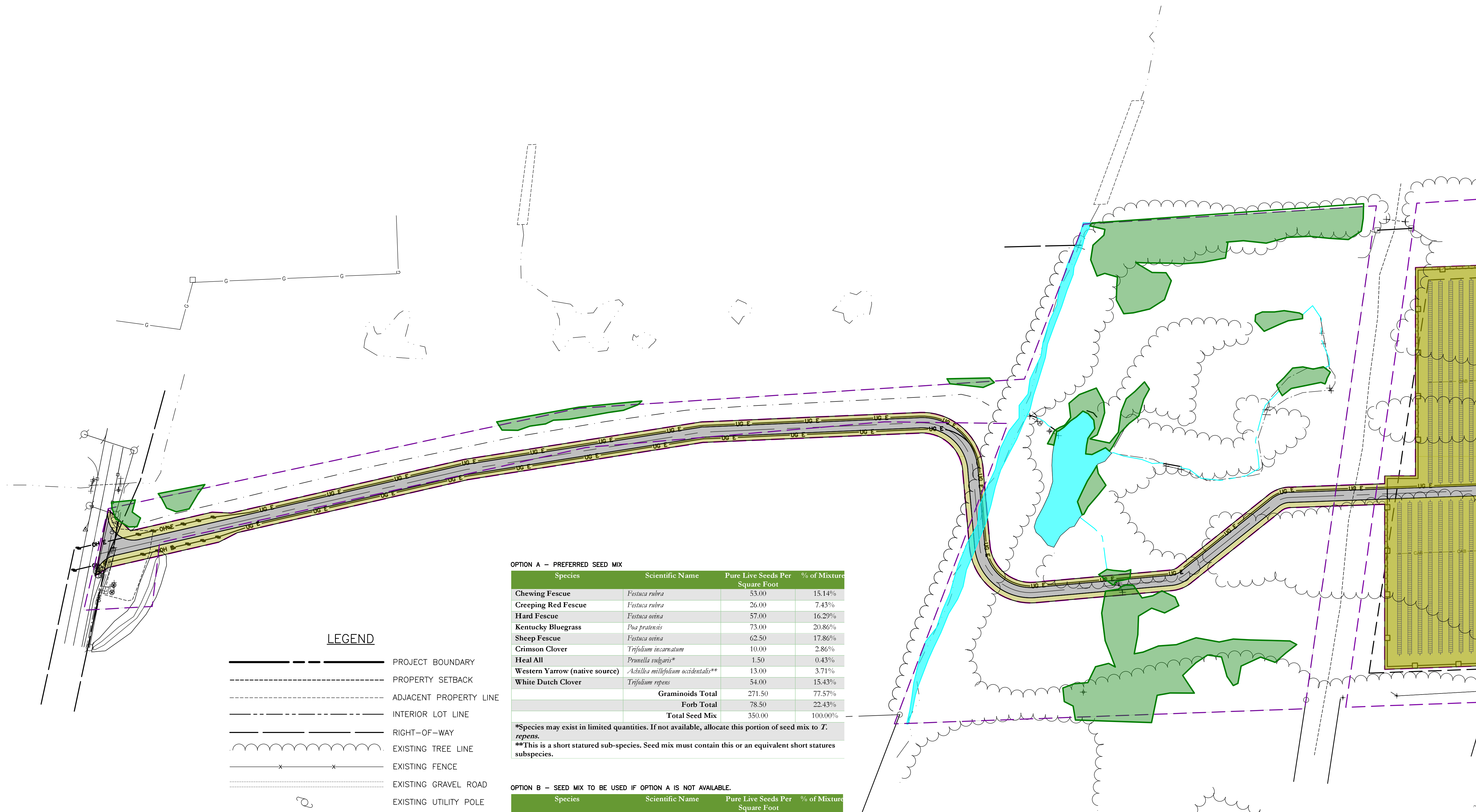
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- EXISTING FENCE
- EXISTING GRAVEL ROAD
- EXISTING UTILITY POLE
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- PERVIOUS GRAVEL ACCESS ROAD
- PROPOSED STAGING AREA
- PROPOSED UTILITY POLE
- PROPOSED SILT FENCE
- WETLAND BUFFER

NOT FOR CONSTRUCTION



	PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY		TITLE OF DRAWING EROSION CONTROL PLAN			DRAWING NO. C-403	
PROJECT NO. 230529 06 PROJECT MANAGER A. Dorf		DRAWN BY J. TORRES SCALE AS SHOWN		ISSUE DATE 10/12/2023		DESCRIPTION DATE BY	
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LEGEND

- PROJECT BOUNDARY
- PROPERTY SETBACK
- ADJACENT PROPERTY LINE
- INTERIOR LOT LINE
- RIGHT-OF-WAY
- EXISTING TREE LINE
- EXISTING FENCE
- EXISTING GRAVEL ROAD
- EXISTING UTILITY POLE
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- PROPOSED SOLAR PANEL ARRAY SITE 2
- PROPOSED FENCE
- LIMIT OF DISTURBANCE
- PERVIOUS GRAVEL ACCESS ROAD
- PROPOSED STAGING AREA
- PROPOSED UTILITY POLE
- SEED AND MULCH APPLICATION AREA

OPTION A - PREFERRED SEED MIX

Species	Scientific Name	Pure Live Seeds Per Square Foot	% of Mixture
Chewing Fescue	<i>Festuca rubra</i>	53.00	15.14%
Creeping Red Fescue	<i>Festuca rubra</i>	26.00	7.43%
Hard Fescue	<i>Festuca ovina</i>	57.00	16.29%
Kentucky Bluegrass	<i>Poa pratensis</i>	73.00	20.86%
Sheep Fescue	<i>Festuca ovina</i>	62.50	17.86%
Crimson Clover	<i>Trifolium incarnatum</i>	10.00	2.86%
Heal All	<i>Prunella vulgaris*</i>	1.50	0.43%
Western Yarrow (native source)	<i>Achillea millefolium occidentale**</i>	13.00	3.71%
White Dutch Clover	<i>Trifolium repens</i>	54.00	15.43%
Graminoids Total		271.50	77.57%
Forb Total		78.50	22.43%
Total Seed Mix		350.00	100.00%

*Species may exist in limited quantities. If not available, allocate this portion of seed mix to *T. repens*.
 **This is a short statured sub-species. Seed mix must contain this or an equivalent short statured subspecies.

OPTION B - SEED MIX TO BE USED IF OPTION A IS NOT AVAILABLE.

Species	Scientific Name	Pure Live Seeds Per Square Foot	% of Mixture
Redtop (short variety)	<i>Agrostis gigantea</i>	100.00	26.35%
Canada Bluegrass	<i>Poa compressa</i>	25.00	6.59%
Kentucky Bluegrass	<i>Poa pratensis</i>	75.00	19.76%
Autumn Bentgrass	<i>Agrostis peruviana</i>	75.00	19.76%
Path Rush	<i>Juncus tenuis</i>	35.00	9.22%
Crimson Clover	<i>Trifolium incarnatum</i>	10.00	2.64%
Heal All	<i>Prunella vulgaris*</i>	1.50	0.40%
Western Yarrow (native source)	<i>Achillea millefolium occidentale**</i>	13.00	3.43%
White Dutch Clover	<i>Trifolium repens</i>	45.00	11.86%
Graminoids Total		310.00	72.46%
Forb Total		69.50	18.31%
Total Seed Mix		379.50	100.00%

*Species may exist in limited quantities. If not available, allocate this portion of seed mix to *T. repens*.
 **This is a short statured sub-species. Seed mix must contain this or an equivalent short statured subspecies.



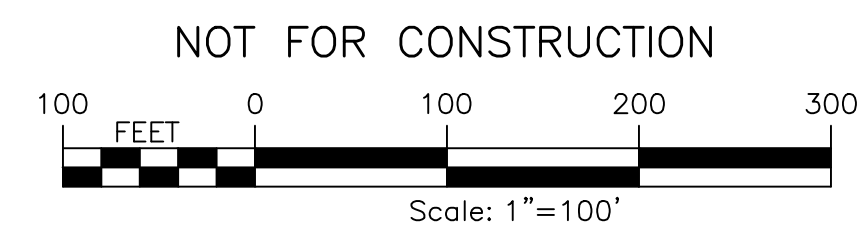
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PROJECT NO.
230529_06
 PROJECT MANAGER
A. Dorf
 DRAWN BY
J. TORRES
 SCALE
AS SHOWN
 ISSUE DATE
10/12/2023

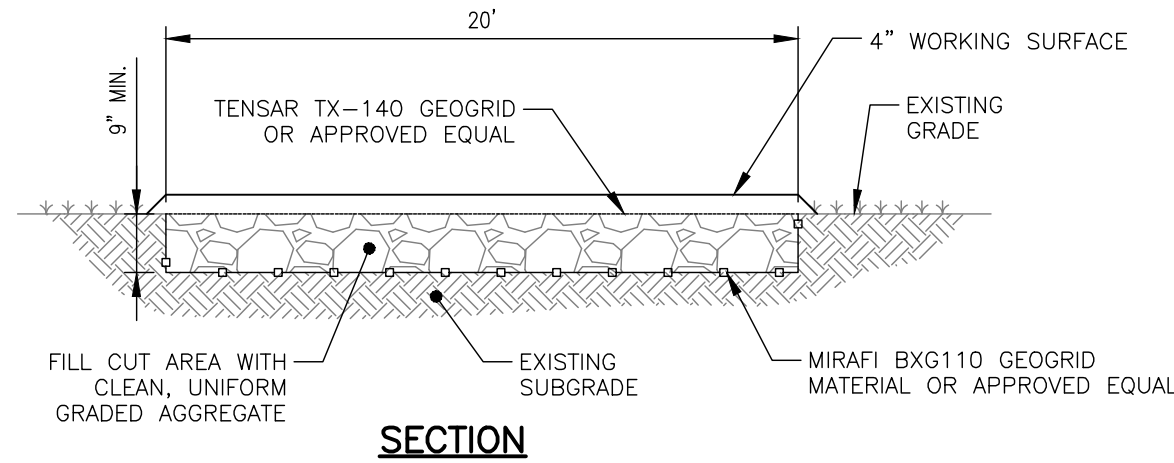
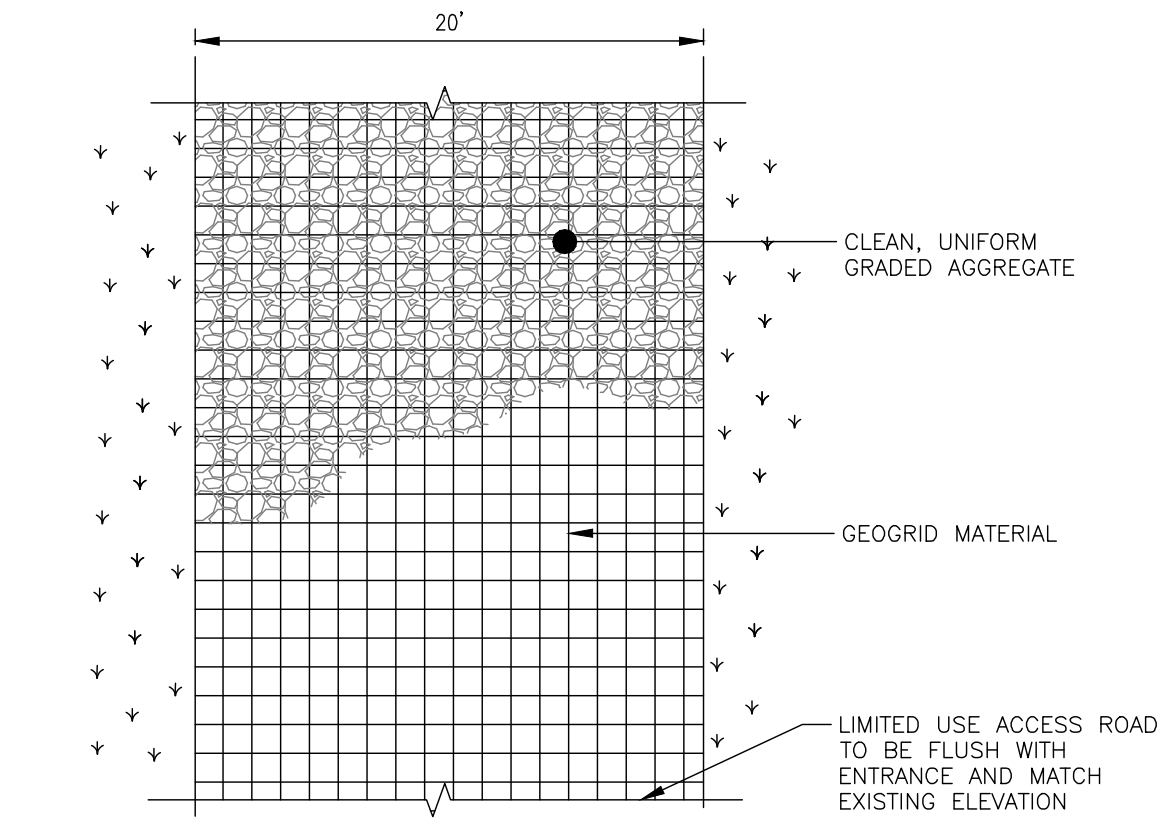


PROJECT
LEHIGH SOUTH 1 SOLAR
EAST HENRIETTA ROAD
TOWN OF HENRIETTA
MONROE COUNTY, NY
 TITLE OF DRAWING
LANDSCAPING PLAN

DRAWING NO.
C-500
 SHEET 21 OF 26



FILE NAME: H:\Projects\23\230529-06-GSSP23_Lehrwood\Eng\CAD\CUT\230529_06 C-700 Details.dwg
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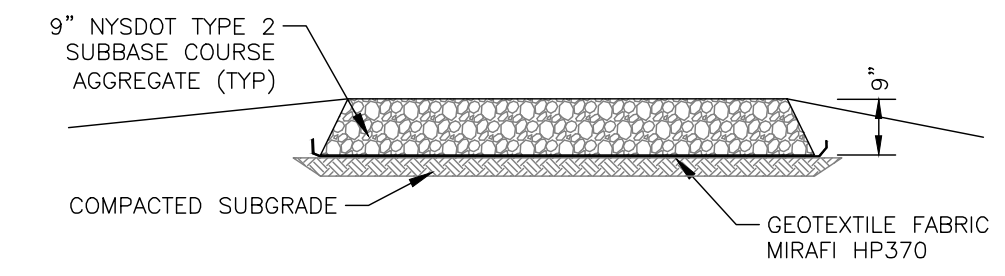
SECTION
PERVIOUS GRAVEL ROAD DETAIL
 NOT TO SCALE

PERVIOUS ROAD GENERAL NOTES:

1. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
2. REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS TO PROVIDE A SMOOTH SURFACE. COMPACT TO THE DEGREE OF THE NATIVE INSITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
3. GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOIL AND DESIRED ELEVATION. MINOR GRADING FOR GROSS SLOPE CUT AND FILL MAY BE REQUIRED.
4. PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
5. SOIL RESTORATION PRACTICES SHALL BE IMPLEMENTED WITHIN THE LIMITS OF THE PERVIOUS ACCESS ROAD IN AREAS WHERE THE UNDERLYING SOILS HAVE BEEN COMPACTED IN SUCH A MANNER THAT DOES NOT ALLOW FOR INFILTRATIONS OF THE STORMWATER RUNOFF. CONDITIONS SHALL BE VERIFIED BY SOIL PENETROMETER READINGS AND SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION, EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY.
6. IF THE PERVIOUS ACCESS ROAD IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, A STANDARD NEW YORK STATE STABILIZED CONSTRUCTION ACCESS SHALL BE CONSTRUCTED AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON, OR OFF SITE. MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
7. 4" OF AGGREGATE WILL BE ADDED AS A WORKING SURFACE DURING CONSTRUCTION, AGGREGATE WILL BE REMOVED ONCE CONSTRUCTION IS FINALIZED.

GEOGRID MATERIAL NOTES:

1. THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE FOR ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
2. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
3. GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL.
4. IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
5. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
6. PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT ITEM 703-02 SPECIFICATIONS.



STAGING AREA NOTES:

1. STRIP AND STOCKPILE TOPSOIL.
2. INSTALL STAGING AREA.
3. REMOVE STONE WHEN STAGING AREA IS NO LONGER NEEDED.
4. DECOMPACT SUBGRADE SOILS PER NYSDEC SWDM TABLE 5-3 SOIL RESTORATION REQUIREMENTS.
5. REINSTALL STOCKPILED TOPSOIL.
6. SEED AND MULCH THE DISTURBED AREA.

TEMPORARY STAGING AREA
 NOT TO SCALE

REV	DESCRIPTION	DATE	BY
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CONTRACT NO. 230529-06
 FISHER ASSOCIATES
 P.E. L.S. L.A. D.P.C.
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PROJECT NO. 230529-06
 PROJECT MANAGER A. Dorf
 DRAWN BY J. TORRES
 SCALE AS SHOWN
 ISSUE DATE 10/12/2023

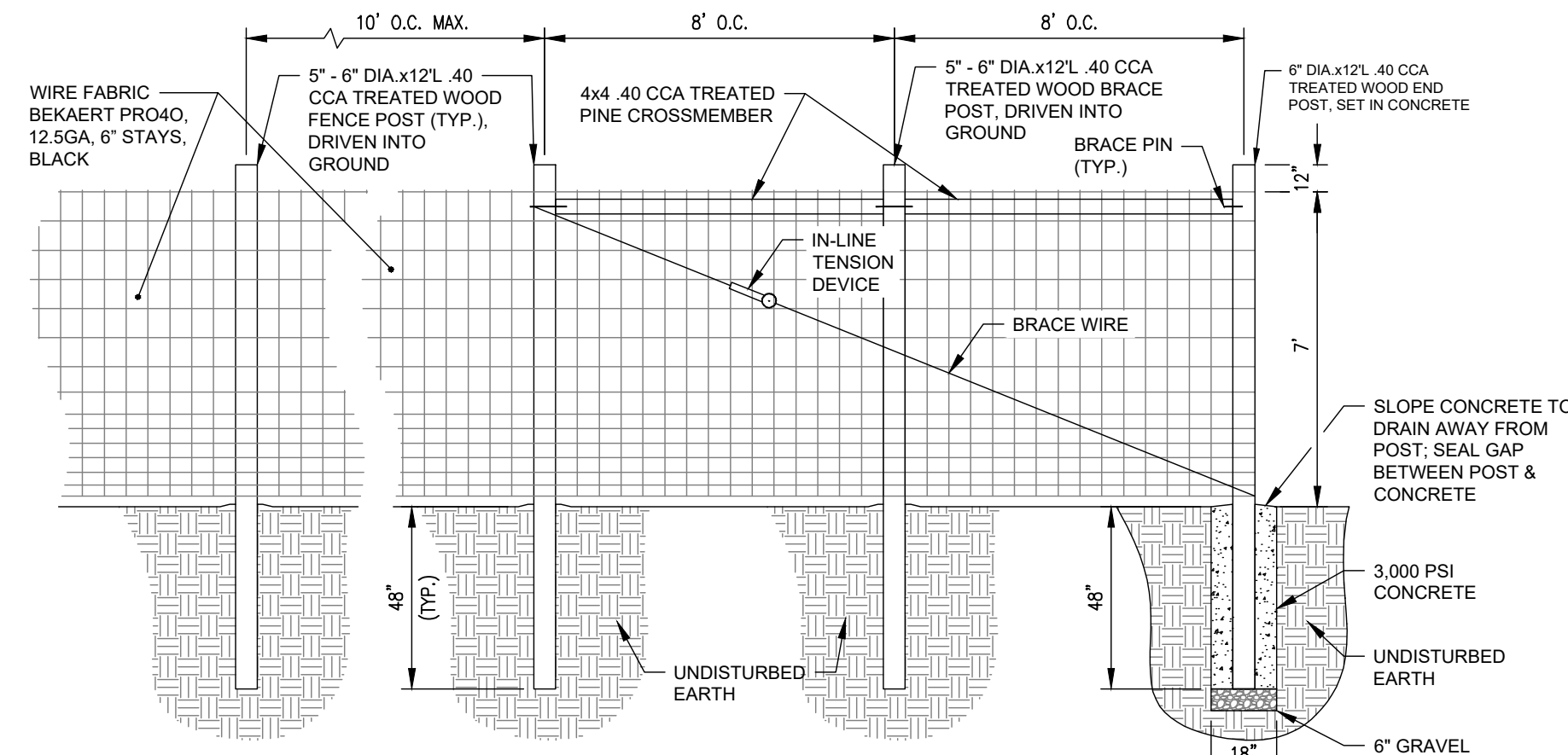


PROJECT: LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY
 TITLE OF DRAWING: DETAILS

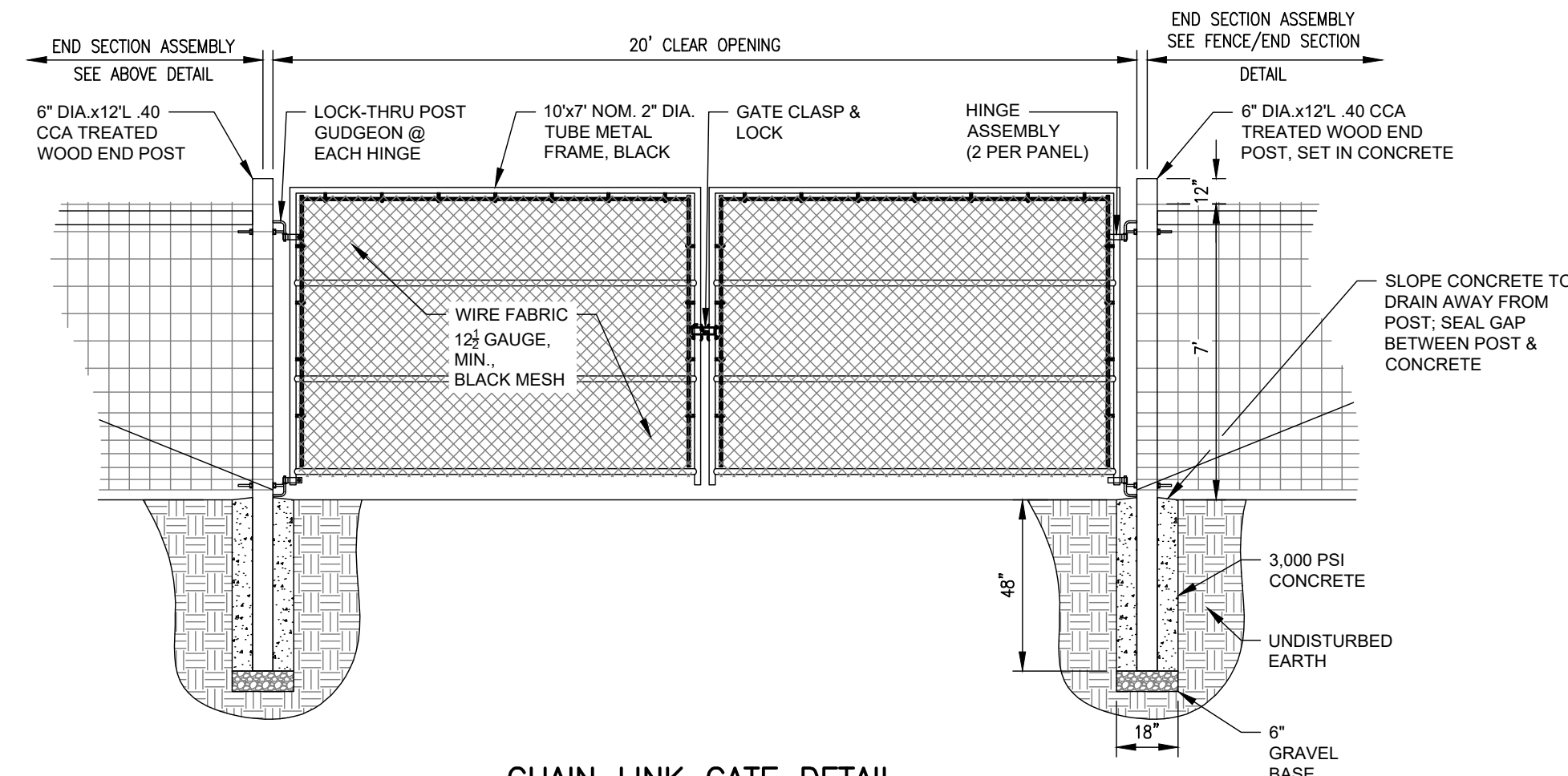
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 SHEET 23 OF 26

NOT FOR CONSTRUCTION

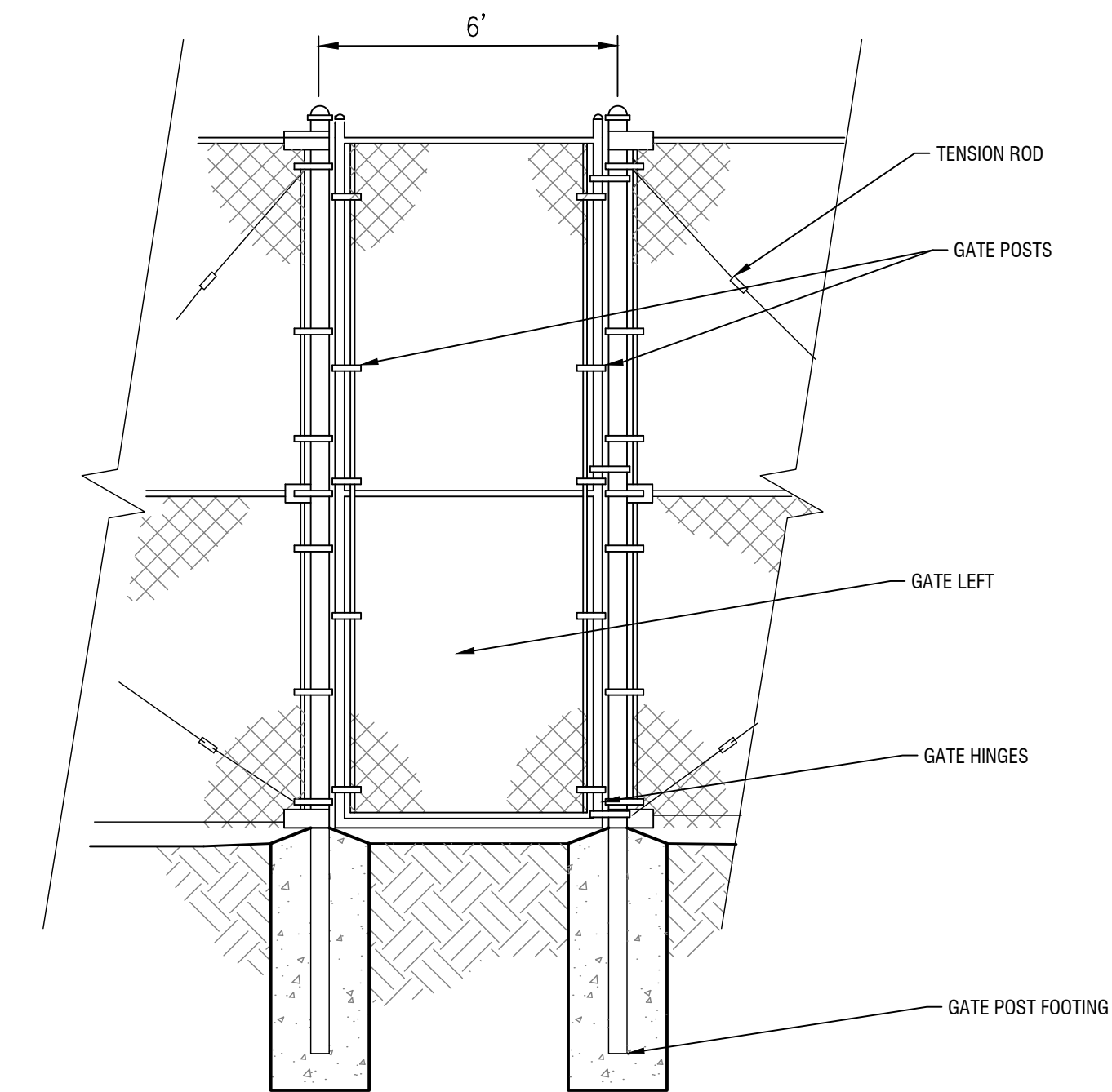
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 DATE/TIME: 10/12/2023 9:04:37 AM
 USER: Steven Nelson



**TYPICAL AGRICULTURAL FENCE AND
 "DOUBLE H" END SECTION**
 NO SCALE



CHAIN LINK GATE DETAIL
 NO SCALE



7' HIGH EMERGENCY MAN GATE
 NOT TO SCALE

REV	DESCRIPTION	DATE	BY
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CONTRACT NO. 230529-06
 FISHER ASSOCIATES
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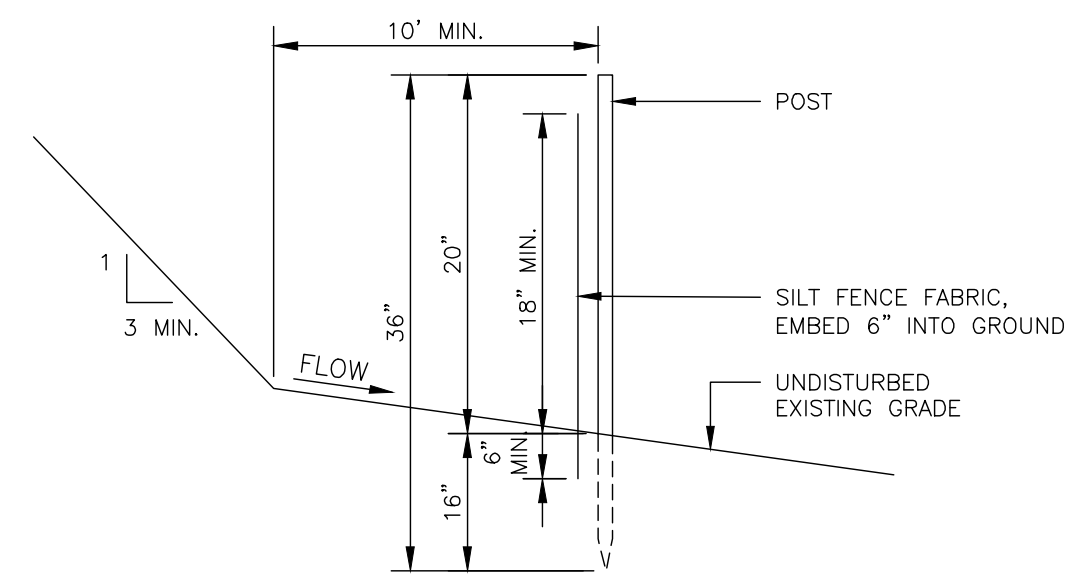
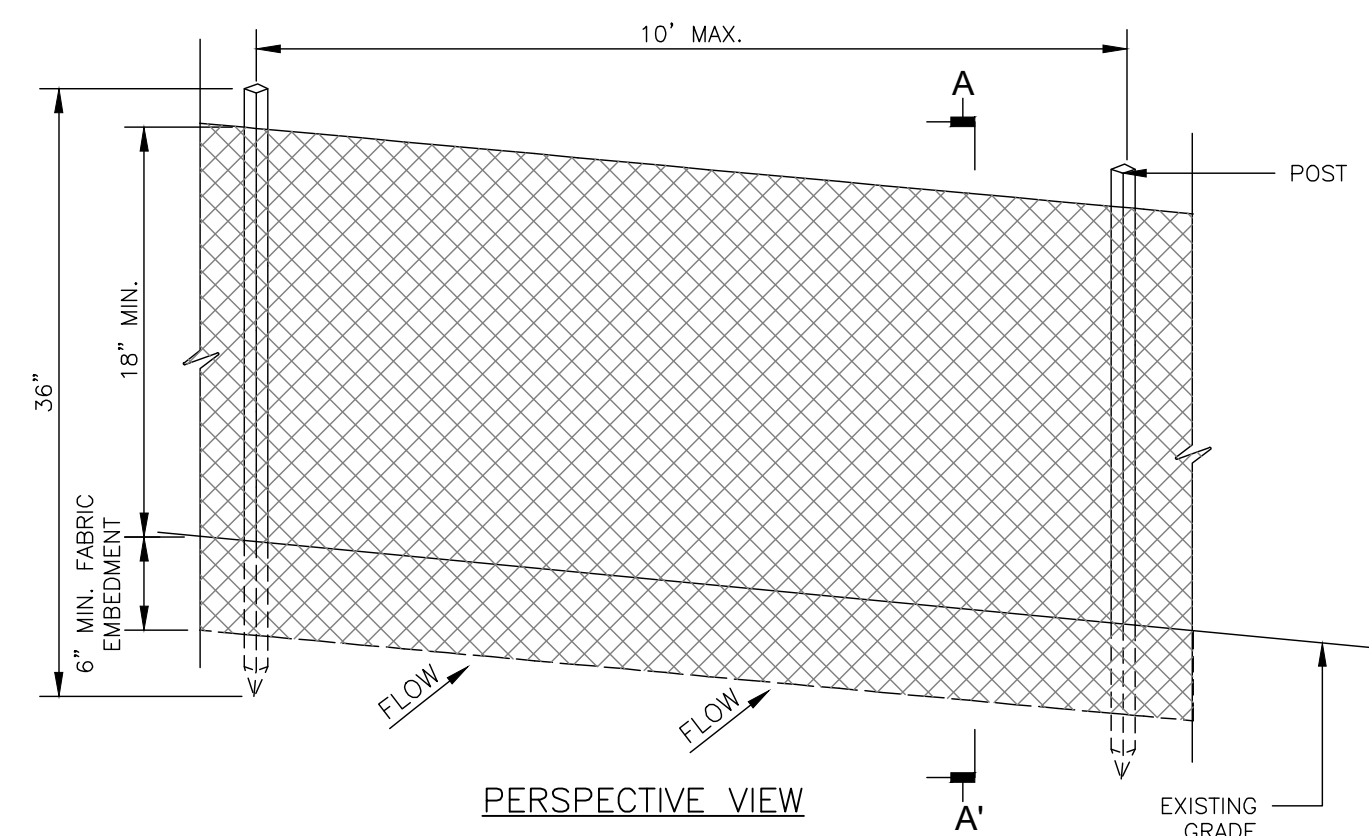
PROJECT NO. 230529 06
 PROJECT MANAGER A. Dorf
 DRAWN BY J. TORRES
 SCALE AS SHOWN
 ISSUE DATE 10/12/2023



PROJECT LEHIGH SOUTH 1 SOLAR EAST HENRIETTA ROAD TOWN OF HENRIETTA MONROE COUNTY, NY
 TITLE OF DRAWING DETAILS

DRAWING NO. **C-705**
 SHEET 24 OF 26

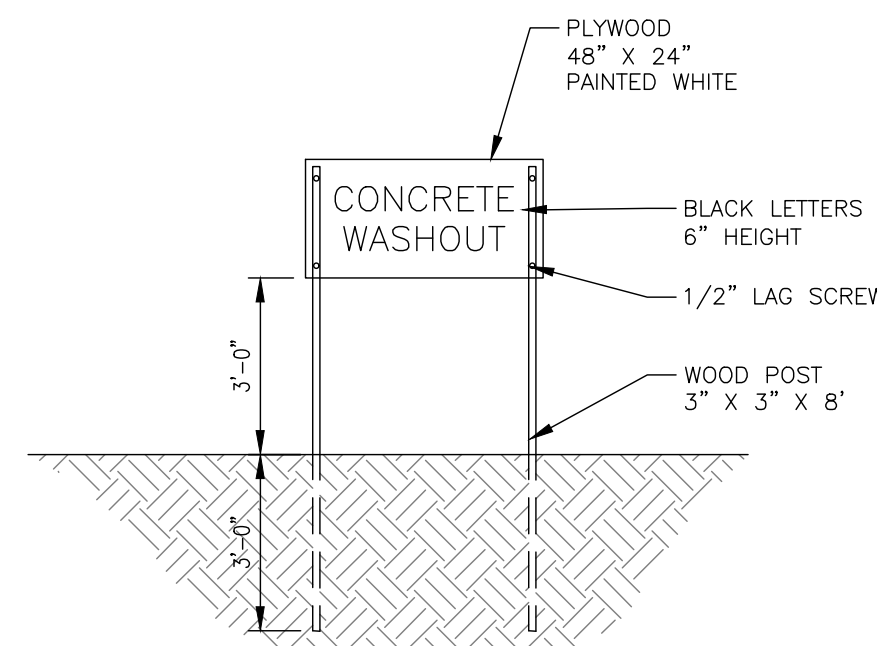
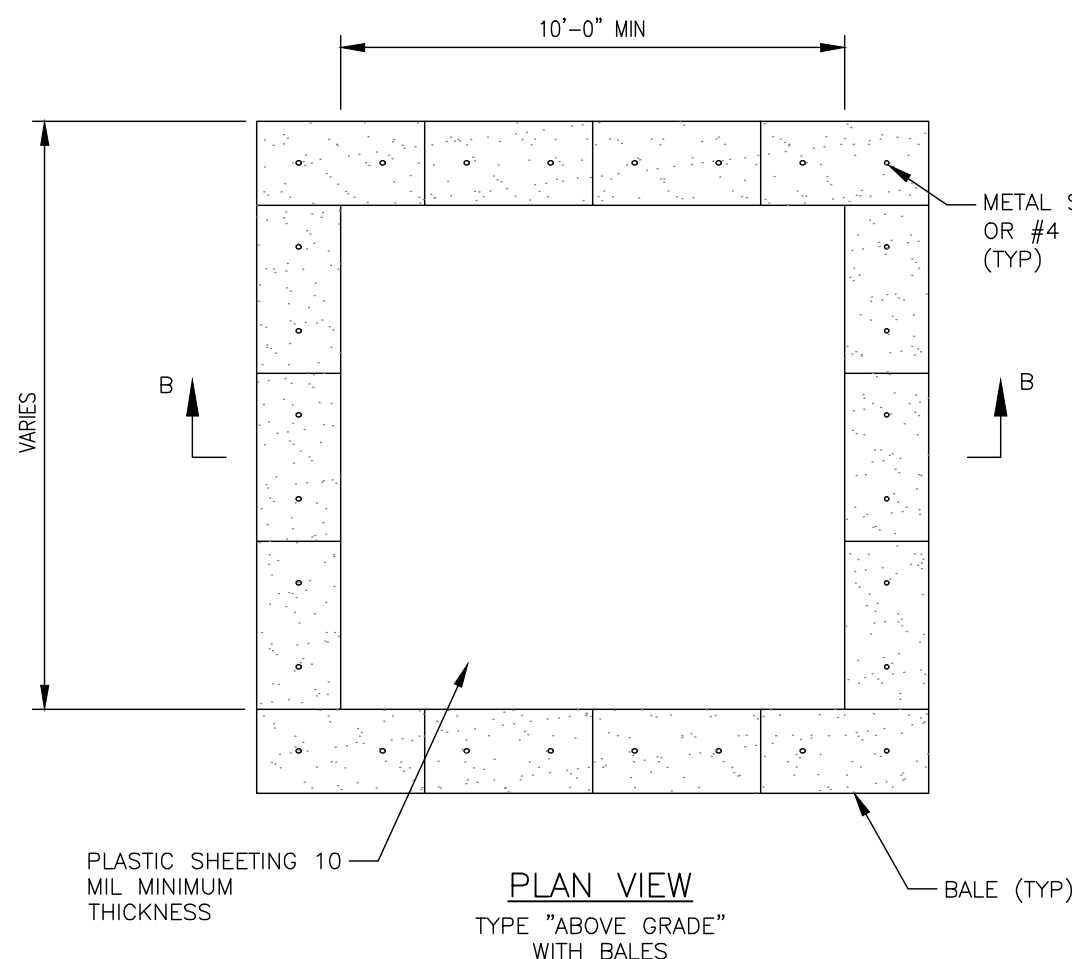
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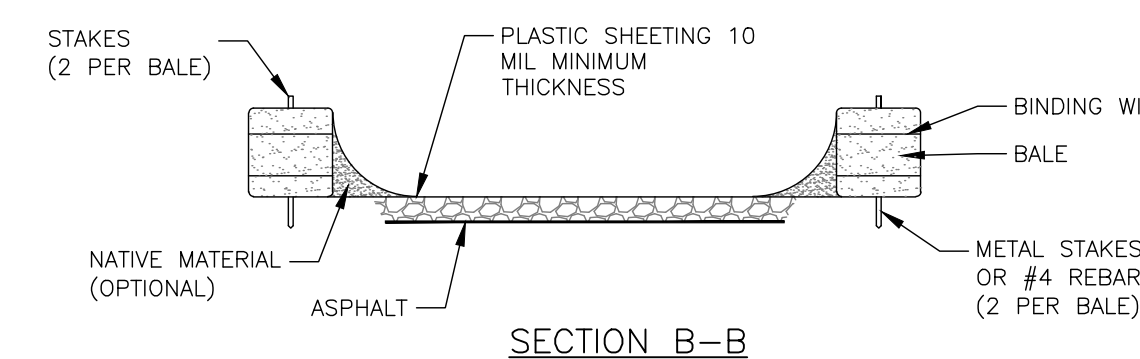
NOTES:

1. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLUNKA T140N, OR APPROVED EQUAL.
2. PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN.
3. MAINTENANCE SHALL BE PERFORMED IMMEDIATELY AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL
NOT TO SCALE



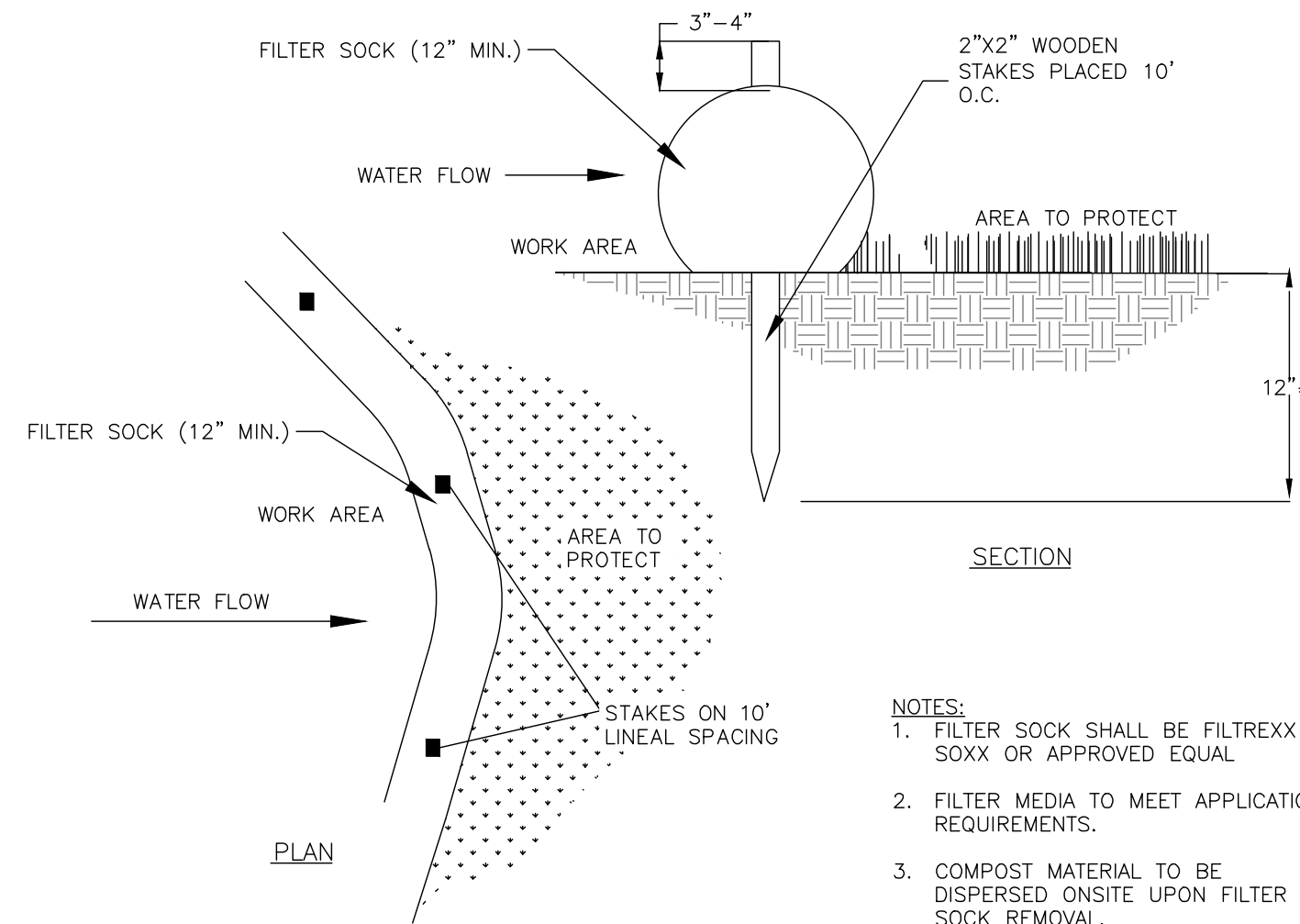
CONCRETE WASHOUT SIGN DETAIL
(OR EQUIVALENT)



CONCRETE WASHOUT (BERM TYPE)
NOT TO SCALE

NOTES:

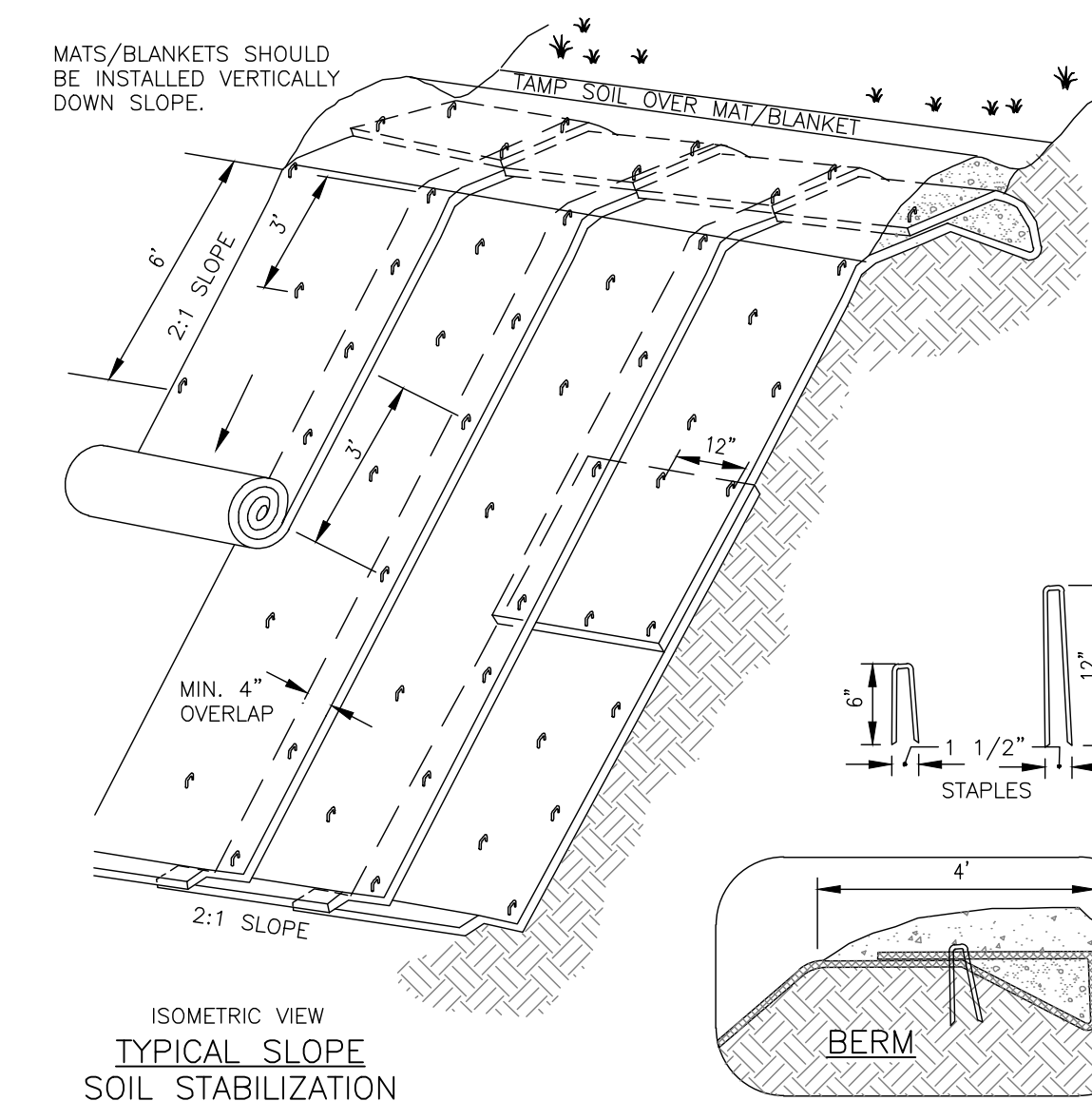
1. SUMPS TO BE LOCATED IN YARD BUT SHOULD BE KEPT AS FAR FROM DRAINAGE CHANNELS AND WETLAND AREAS AS PRACTICAL.
2. SUMPS TO BE CLEANED AND WASTE CONCRETE REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF WORK.
3. METAL STAKES AND/OR #4 REBAR MUST BE LONG ENOUGH TO PENETRATE 6" OF GRAVEL AND ANCHOR INTO UNDERLYING ASPHALT.



SECTION

FILTER SOCK - OPTIONAL REPLACEMENT TO SILT FENCE
NOT TO SCALE

- NOTES:**
1. FILTER SOCK SHALL BE FILTREXX SOXX OR APPROVED EQUAL.
 2. FILTER MEDIA TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPERSED ONSITE UPON FILTER SOCK REMOVAL.

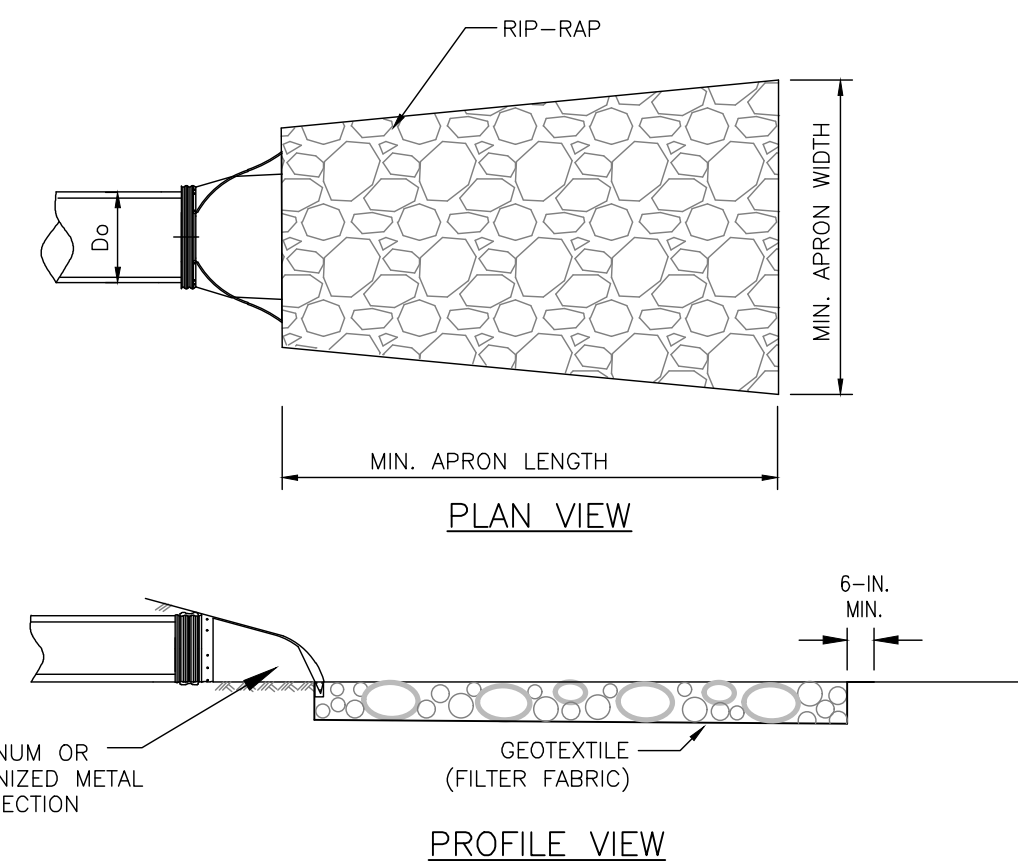


ISOMETRIC VIEW
TYPICAL SLOPE
SOIL STABILIZATION

NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

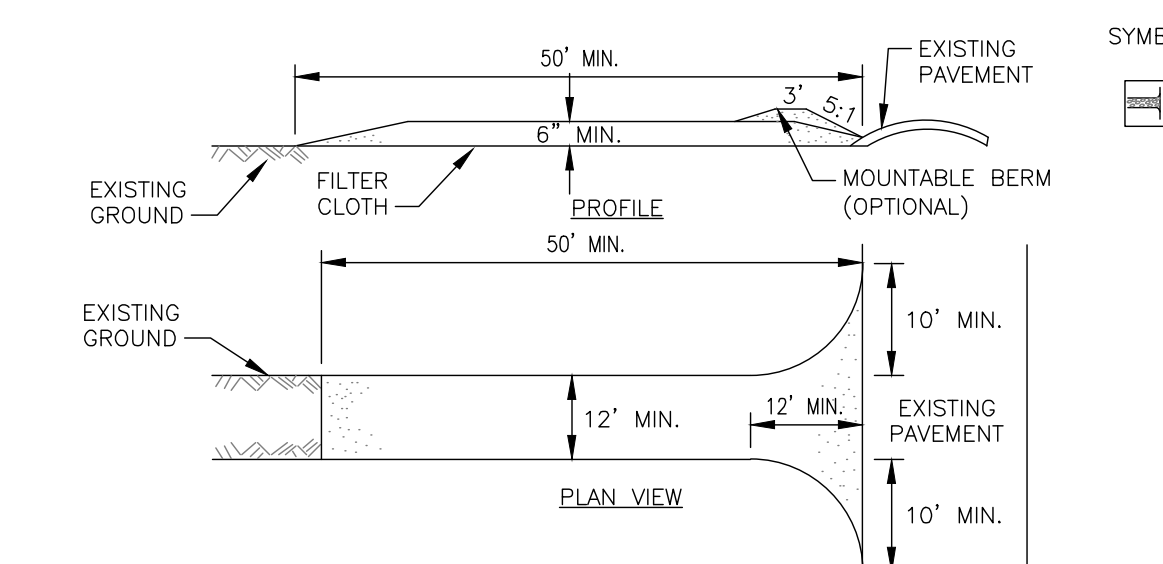
EROSION BLANKETS SLOPE INSTALLATION
NOT TO SCALE



NOTE: REFER TO TABLE FOR LENGTH, WIDTH, AND DEPTH OF RIP-RAP

OUTLET PROTECTION SIZING			
OUTLET PIPE DIAMETER, D _o (IN)	MINIMUM APRON WIDTH (FT)	MINIMUM APRON LENGTH (FT)	DEPTH OF RIP-RAP (IN)
8	8	8	8
12	3	6	12
18	4	8	18
24	6	12	18
30	8	14	24
36	10	16	24
>36	12	18	30

TYPICAL CULVERT ROCK OUTLET PROTECTION
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE, AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

NOT FOR CONSTRUCTION

FILE NAME: H:\Projects\23\230529-06-GSSP23_Lehigh\Eng\CAD\CUT\230529_06 C-700 Details.dwg
DATE/TIME: 10/12/2023 9:04:38 AM
USER: Steven Herbert

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PROJECT NO. 230529 06
 PROJECT MANAGER A. Dorf
 DRAWN BY J. TORRES
 SCALE AS SHOWN
 ISSUE DATE 10/12/2023

STATE OF NEW YORK
 STEVEN C. MELLOTT
 LICENSED PROFESSIONAL ENGINEER

FISHER ASSOCIATES
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PROJECT LEHIGH SOUTH 1 SOLAR
 EAST HENRIETTA ROAD
 TOWN OF HENRIETTA
 MONROE COUNTY, NY
 TITLE OF DRAWING DETAILS

DRAWING NO. C-710
 SHEET 25 OF 26

