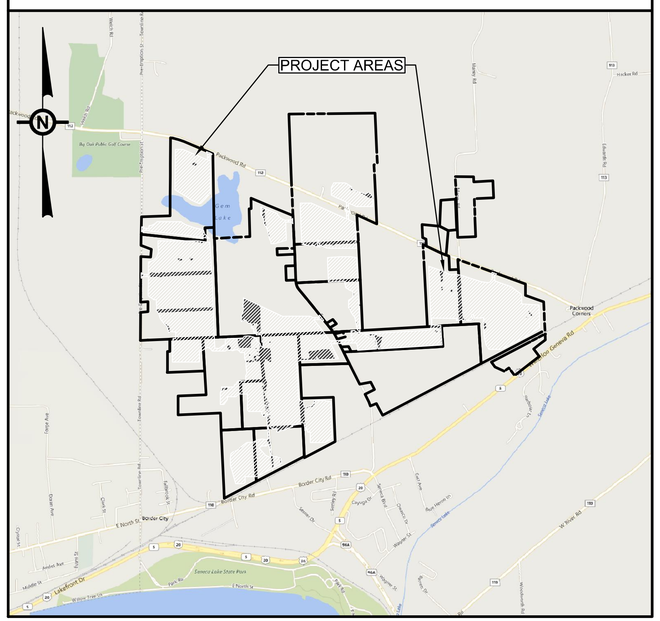
TRELINA SOLAR ENERGY CENTER, LLC
- LANDSCAPE PLANS -

JUNE, 2020

VICINITY MAP



GRAPHIC SCALE
2000 1000 0 2000
1"= 2000 FEET

OVERALL SITE MAP

GRAPHIC SCALE
1000 500 0 1000
1"=1000 FEET

TABLE OF DRAWINGS

DWG NO.	TITLE
L0.00	COVER SHEET
L1.00	OVERALL LANDSCAPE PLAN
L1.01	ENLARGED LANDSCAPE PLAN
L1.02	ENLARGED LANDSCAPE PLAN
L1.03	ENLARGED LANDSCAPE PLAN
L1.04	ENLARGED LANDSCAPE PLAN
L1.05	ENLARGED LANDSCAPE PLAN
L1.06	ENLARGED LANDSCAPE PLAN
L2.01	LANDSCAPE NOTES & DETAILS
L2.02	LANDSCAPE NOTES & DETAILS

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

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PREPARED FOR:
NEXTera ENERGY
700 Universe Blvd,
Juno Beach, FL 33408

TRC
4900 RITTER ROAD
MECHANICSBURG, PA
TRC PROJECT NO: 328807.0000

REV	DESCRIPTION	DATE	DES	CHK	APP

MR DESIGNED
TKM DRAWN
MR CHECKED
MR APPROVED
REVIEW 1
REVIEW 2

06/2020 DATE
AS NOTED SCALE

PRELIMINARY
LANDSCAPE PLAN
TRELINA SOLAR ENERGY CENTER, LLC
COVER SHEET
TOWN OF WATERLOO SENECA COUNTY, NY

TRC
L0.00
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PRELIMINARY
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TRELINA SOLAR ENERGY CENTER, LLC
OVERALL LANDSCAPE PLAN
TOWN OF WATERLOO SENECA COUNTY, NY

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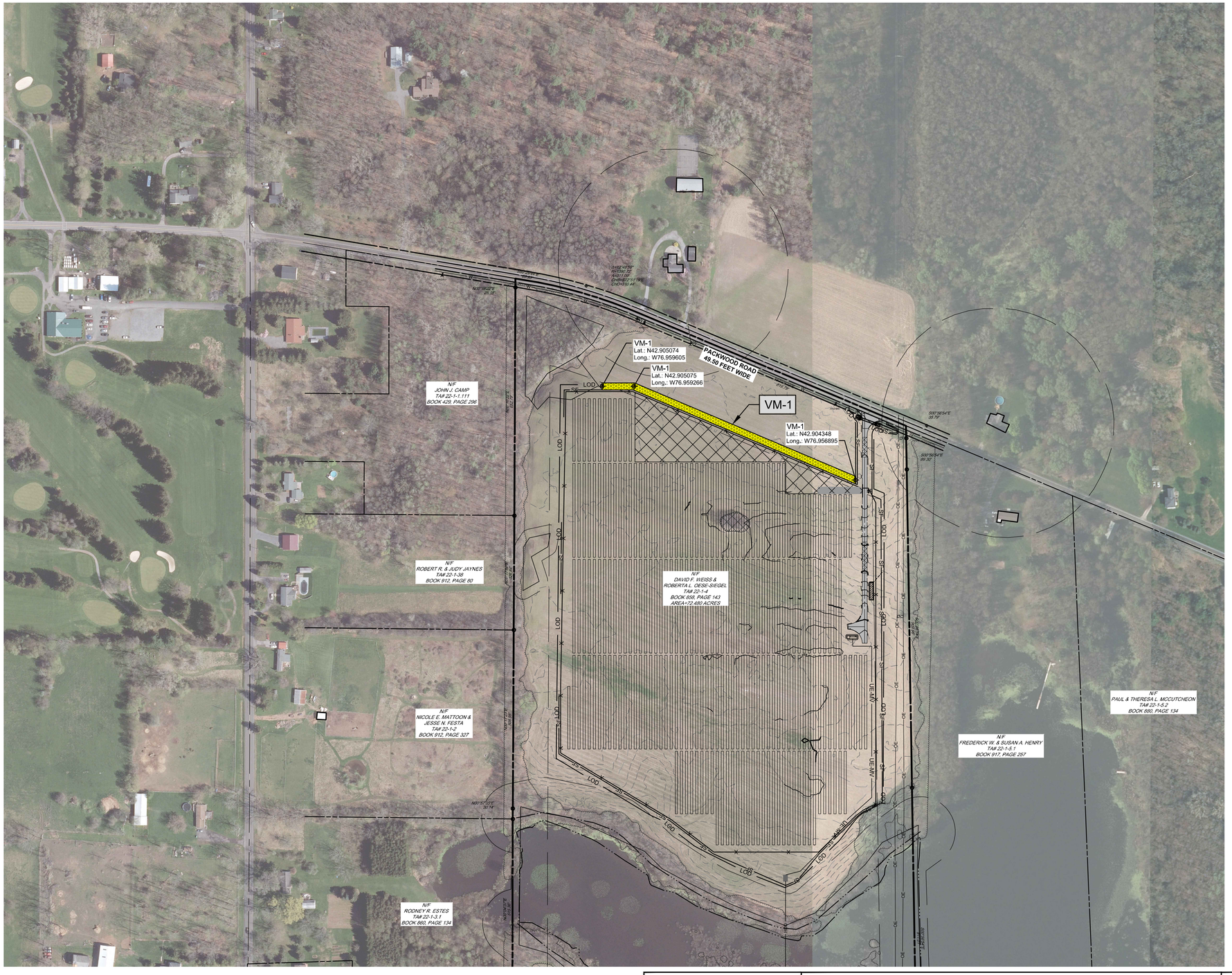
L1.00

REV. A



LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
1	VM-1	N 42.905074	W 76.959605
2	VM-1	N 42.905075	W 76.959266
3	VM-1	N 42.904348	W 76.956895

N

150 0 150 300 FT

SCALE: 1" = 150'

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TRELINA SOLAR ENERGY CENTER, LLC
ENLARGED LANDSCAPE PLAN
TOWN OF WATERLOO SENECA COUNTY, NY

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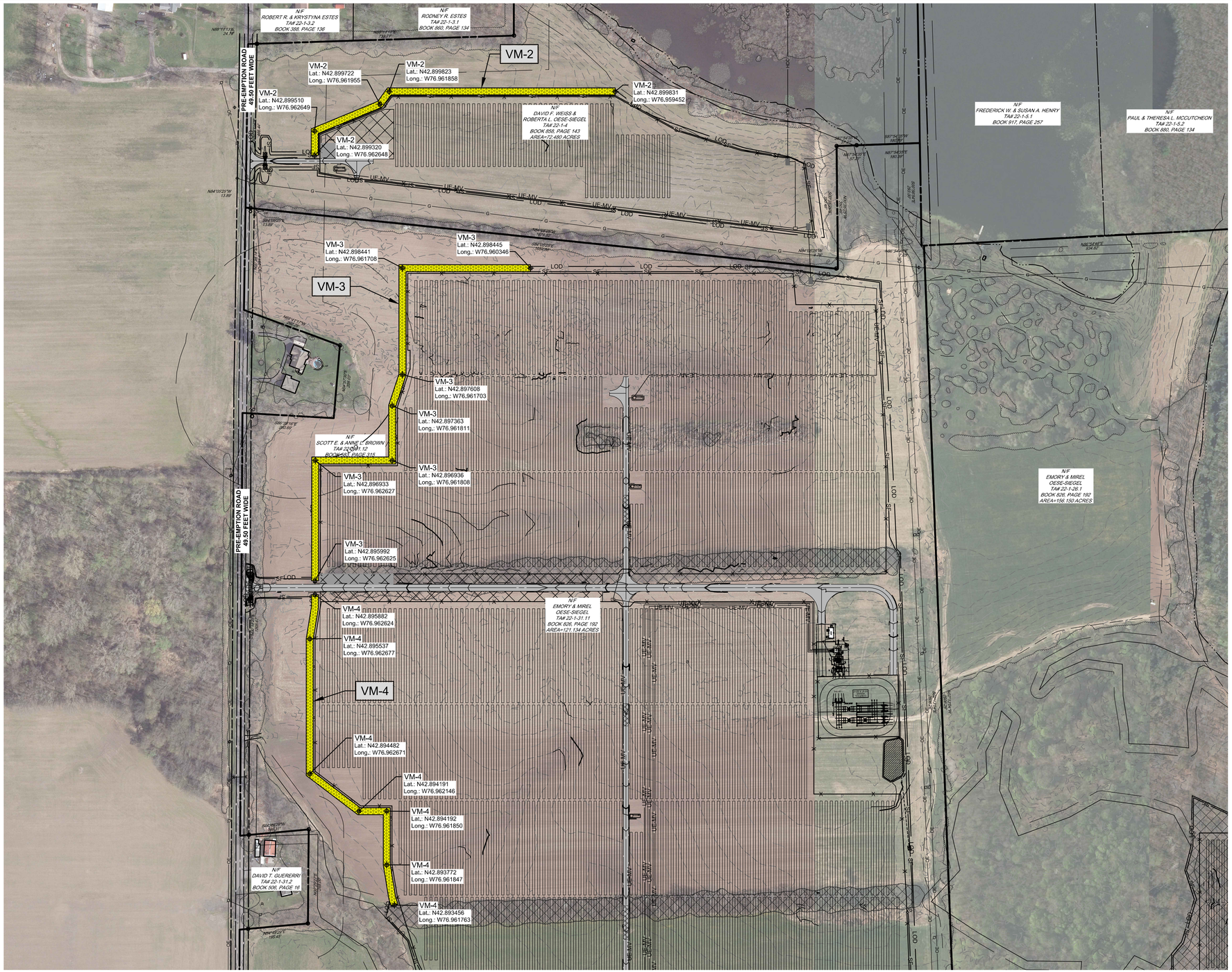
L1.01

REV. A



LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
4	VM-2	N 42.899320	W 76.962648
5	VM-2	N 42.899510	W 76.962649
6	VM-2	N 42.899722	W 76.961955
7	VM-2	N 42.899823	W 76.961858
8	VM-2	N 42.899831	W 76.959452

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
9	VM-3	N 42.898445	W 76.960346
10	VM-3	N 42.898441	W 76.961708
11	VM-3	N 42.897608	W 76.961703
12	VM-3	N 42.897363	W 76.961811
13	VM-3	N 42.896936	W 76.961808
14	VM-3	N 42.896933	W 76.962627
15	VM-3	N 42.895992	W 76.962625

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
16	VM-4	N 42.895882	W 76.962624
17	VM-4	N 42.895537	W 76.962677
18	VM-4	N 42.894482	W 76.962671
19	VM-4	N 42.894191	W 76.962146
20	VM-4	N 42.894192	W 76.961850
21	VM-4	N 42.893772	W 76.961847
22	VM-4	N 42.893456	W 76.961763

N

150 0 150 300 FT

SCALE: 1" = 150'

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Juno Beach, FL 33408

TRC
4900 RITTER ROAD
MECHANICSBURG, PA

TRC PROJECT NO: 328807.0000

REV	DESCRIPTION	DATE	DES	CHK	APP

MR DESIGNED	PRELIMINARY LANDSCAPE PLAN TRELINA SOLAR ENERGY CENTER, LLC ENLARGED LANDSACPE PLAN TOWN OF WATERLOO SENECA COUNTY, NY
TKM DRAWN	
MR CHECKED	
MR APPROVED	
REVIEW 1	06/2020 DATE
REVIEW 2	AS NOTED SCALE

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L1.02

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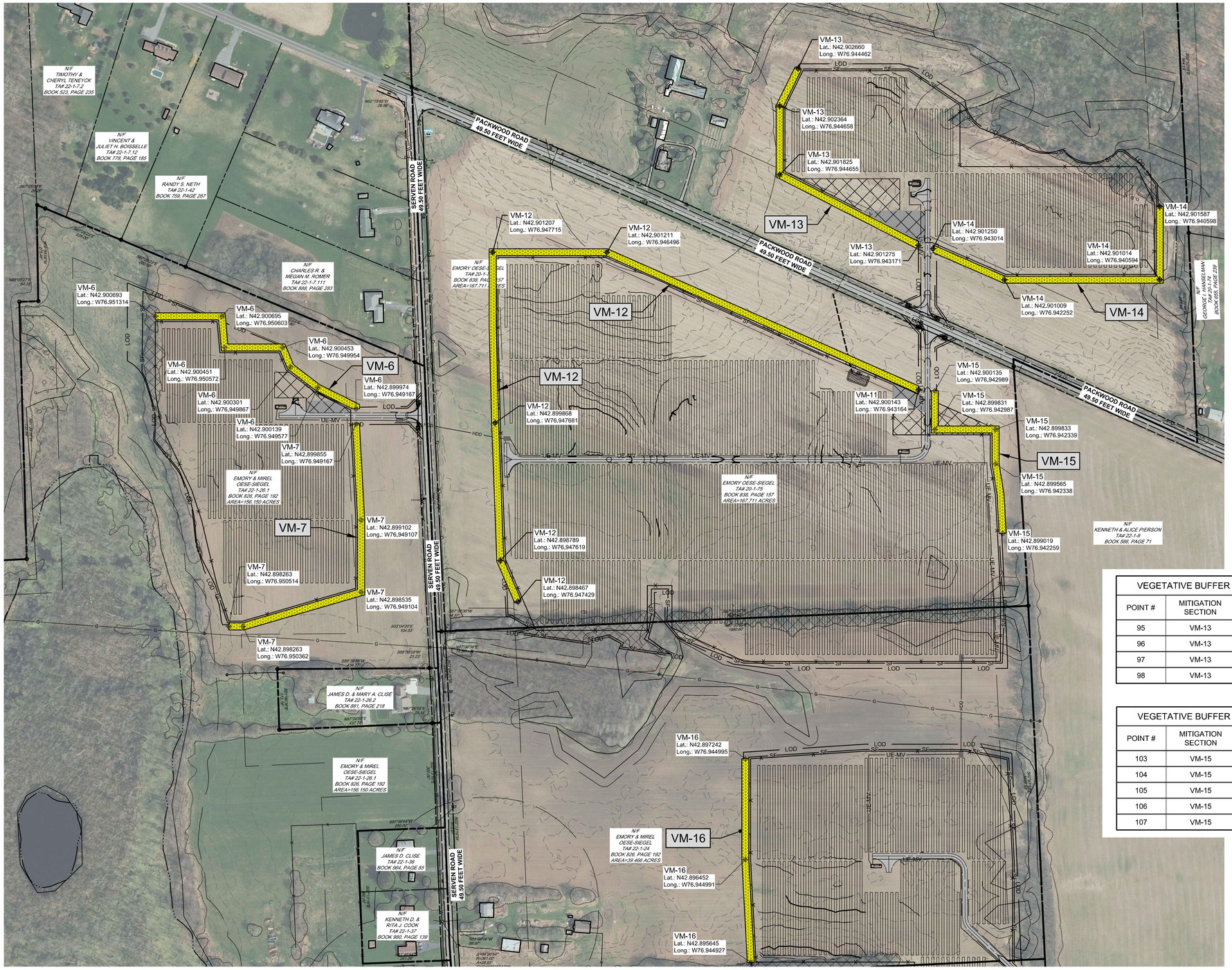

LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
26	VM-6	N 42.900693	W 76.951314
27	VM-6	N 42.900695	W 76.950603
28	VM-6	N 42.900451	W 76.950572
29	VM-6	N 42.900453	W 76.949954
30	VM-6	N 42.900301	W 76.949867
31	VM-6	N 42.900139	W 76.949577
32	VM-6	N 42.899974	W 76.949167

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
33	VM-7	N 42.899855	W 76.949167
34	VM-7	N 42.899102	W 76.949107
35	VM-7	N 42.898535	W 76.949104
36	VM-7	N 42.898263	W 76.950362
37	VM-7	N 42.898263	W 76.950514

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
89	VM-12	N 42.898467	W 76.947429
90	VM-12	N 42.898789	W 76.947619
91	VM-12	N 42.899868	W 76.947681
92	VM-12	N 42.901207	W 76.947715
93	VM-12	N 42.901211	W 76.946496

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
95	VM-13	N 42.902660	W 76.944462
96	VM-13	N 42.902364	W 76.944658
97	VM-13	N 42.901825	W 76.944655
98	VM-13	N 42.901275	W 76.943171

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
99	VM-14	N 42.901250	W 76.943014
100	VM-14	N 42.901009	W 76.942252
101	VM-14	N 42.901014	W 76.940594
102	VM-14	N 42.901587	W 76.940598

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
103	VM-15	N 42.900135	W 76.942989
104	VM-15	N 42.899831	W 76.942987
105	VM-15	N 42.899833	W 76.942339
106	VM-15	N 42.899565	W 76.942338
107	VM-15	N 42.899019	W 76.942259

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
108	VM-16	N 42.897242	W 76.944995
109	VM-16	N 42.896452	W 76.944991
110	VM-16	N 42.895645	W 76.944927

N

150 0 150 300 FT

SCALE: 1" = 150'

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TRC
4900 RITTER ROAD
MECHANICSBURG, PA

TRC PROJECT NO: 328807.0000

REV	DESCRIPTION	DATE	DES	CHK	APP

MR DESIGNED
TKM DRAWN
MR CHECKED
MR APPROVED
REVIEW 1
REVIEW 2

06/2020 DATE
AS NOTED SCALE

PRELIMINARY
LANDSCAPE PLAN
TRELINA SOLAR ENERGY CENTER, LLC
ENLARGED LANDSACPE PLAN
TOWN OF WATERLOO SENECA COUNTY, NY

TRC

L1.03

REV. A

LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
117	VM-19	N 42.896197	W 76.934938
118	VM-19	N 42.896202	W 76.933297
119	VM-19	N 42.895960	W 76.931470
120	VM-19	N 42.895547	W 76.929731
121	VM-19	N 42.895555	W 76.929055
122	VM-19	N 42.895686	W 76.928734
123	VM-19	N 42.895687	W 76.928666
124	VM-19	N 42.895214	W 76.926903
125	VM-19	N 42.894727	W 76.925943

N

150 0 150 300 FT

SCALE: 1" = 150'

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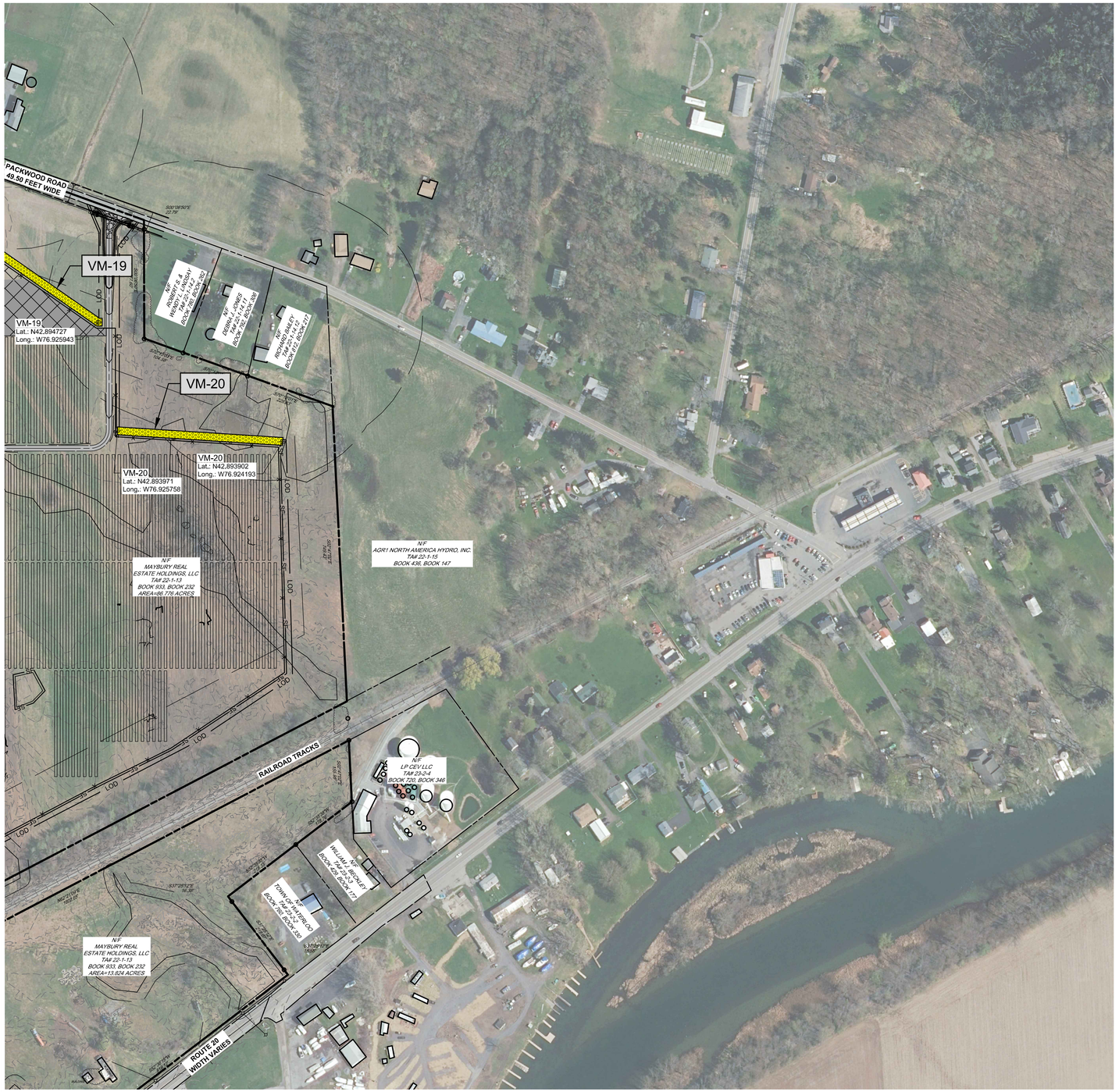
L1.04

REV. A



LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
126	VM-20	N 42.893971	W 76.925758
127	VM-20	N 42.893902	W 76.924193

N

150 0 150 300 FT

SCALE: 1" = 150'

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PRELIMINARY
LANDSCAPE PLAN
TRELINA SOLAR ENERGY CENTER, LLC
ENLARGED LANDSACPE PLAN
TOWN OF WATERLOO SENECA COUNTY, NY

06/2020 DATE
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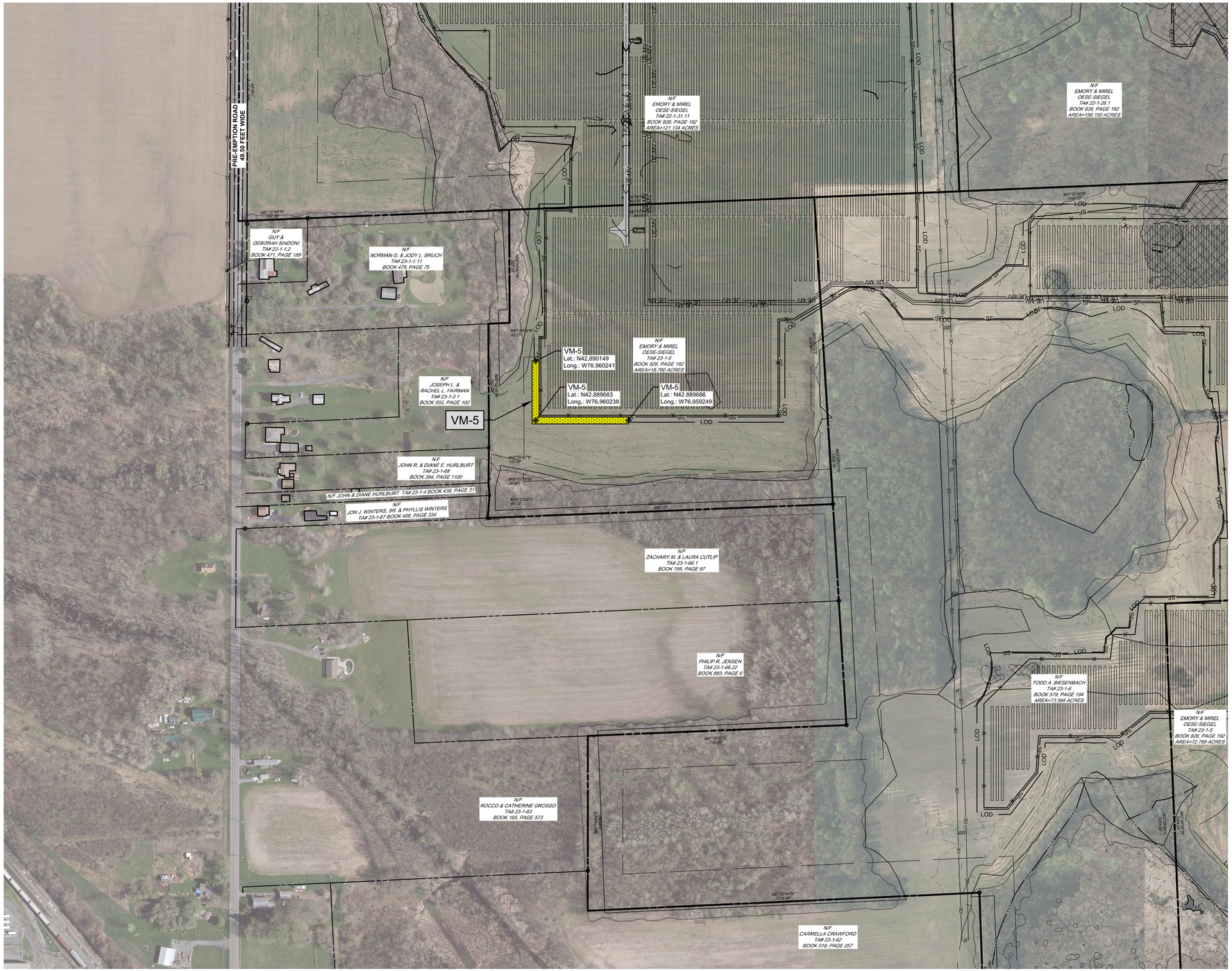
TRC

L1.05

REV. A



LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
23	VM-5	N 42.890149	W 76.960241
24	VM-5	N 42.889683	W 76.960238
25	VM-5	N 42.889686	W 76.959249

N

150 0 150 300 FT

SCALE: 1" = 150'

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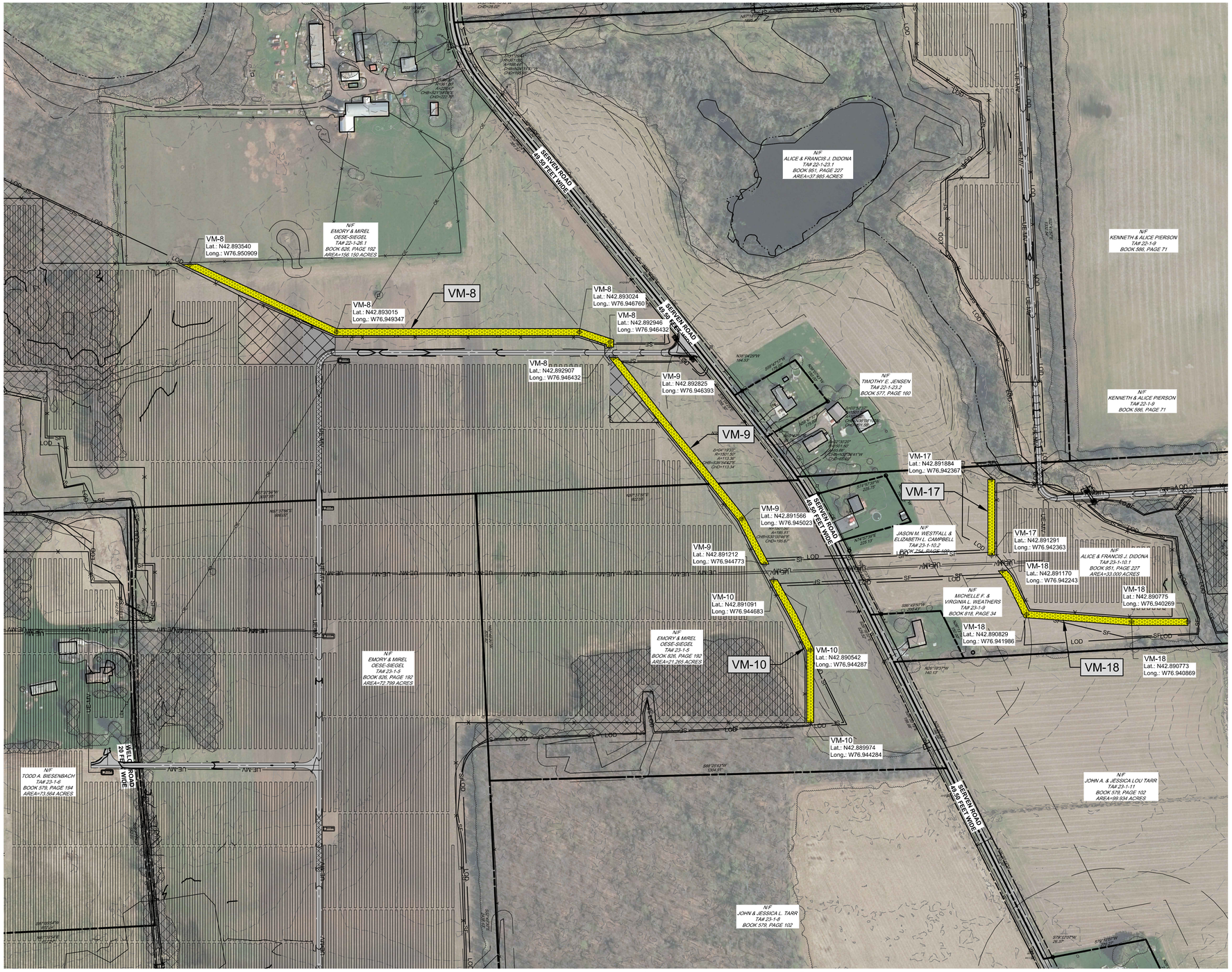
L1.06

REV. A



LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
74	VM-8	N 42.893540	W 76.950909
75	VM-8	N 42.893015	W 76.949347
76	VM-8	N 42.893024	W 76.946760
77	VM-8	N 42.892907	W 76.946432
78	VM-8	N 42.892946	W 76.946432

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
79	VM-9	N 42.892825	W 76.946393
80	VM-9	N 42.891566	W 76.945023
81	VM-9	N 42.891212	W 76.944773

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
82	VM-10	N 42.891091	W 76.944683
83	VM-10	N 42.890542	W 76.944287
84	VM-10	N 42.889974	W 76.944284

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
111	VM-17	N 42.891884	W 76.942367
112	VM-17	N 42.891291	W 76.942363

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
113	VM-18	N 42.891170	W 76.942243
114	VM-18	N 42.890829	W 76.941986
115	VM-18	N 42.890773	W 76.940869
116	VM-18	N 42.890775	W 76.940269

N

150 0 150 300 FT

SCALE: 1" = 150'

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TRELINA SOLAR ENERGY CENTER, LLC
ENLARGED LANDSCAPE PLAN
TOWN OF WATERLOO SENECA COUNTY, NY

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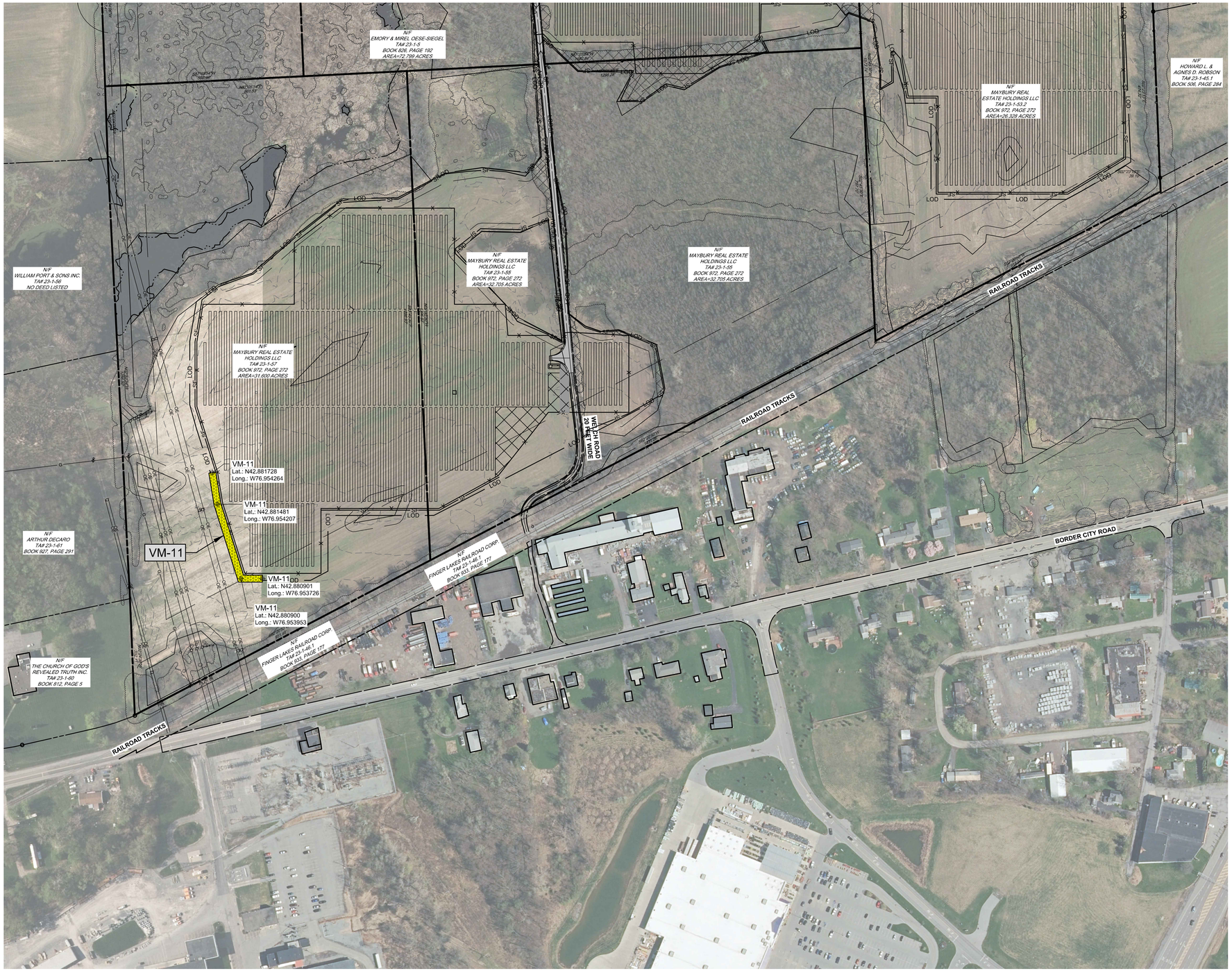
REV. A



LEGEND

VISUAL MITIGATION AREA DELINEATION

VEGETATIVE BUFFER / SCREEN MITIGATION TABLE			
POINT #	MITIGATION SECTION	LATITUDE	LONGITUTDE
85	VM-11	N 42.881728	W 76.954264
86	VM-11	N 42.881481	W 76.954207
87	VM-11	N 42.880900	W 76.953953
88	VM-11	N 42.880901	W 76.953726
94	VM-11	N 42.900143	W 76.943164

N

150 0 150 300 FT

SCALE: 1" = 150'

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L1.08

REV. A

GENERAL LANDSCAPE AND SEEDING NOTES

1. THE LANDSCAPE PLAN AND DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE LAYOUT PLAN, GRADING PLAN AND/OR UTILITIES PLAN FOR ALL OTHER INFORMATION.

2. THE CONTRACTOR SHALL MONITOR AND GUARANTEE THAT ALL PLANTS, TREES, AND SHRUBS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF (1) ONE YEAR AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER. CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE INVASIVE SPECIES MONITORING, REMOVAL, AND SUPPLEMENTATION. MONITORING OF THE PROJECT SITE SHALL OCCUR IN THE SPRING AND THE FALL TO DETERMINE THE PRESENCE OF INVASIVE SPECIES. SHOULD ANY INVASIVE SPECIES BE IDENTIFIED WITHIN THE PROJECT SITE, THE INVASIVE SPECIES SHALL BE REMOVED ACCORDING TO METHODS MOST LIKELY TO BE EFFECTIVE IN CONTROLLING THAT SPECIES AND SUPPLEMENTING ITS REPLACEMENT WITH APPROPRIATE VEGETATION AND SEED MIX IDENTIFIED (AND APPROVED) ON THIS PLAN AND/OR AN APPROVED EQUAL. ADDITIONAL MAINTENANCE RESPONSIBILITIES INCLUDE: APPROVED CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING OF TREE STRAP GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL 90 DAYS AFTER FINAL ACCEPTANCE.

3. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, APPROVED SEEDING MIX, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWING(S) AND LISTED IN THE PLANT SCHEDULE(S) AND/OR SEEDING TABLE(S). IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND/OR SEEDING TABLE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCLIMATED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF (2) TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT.

4. THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO SLOPE, VEGETATION, AND SITE FACTORS SUCH AS THE LOCATION OF ROCK OUTCROPS. PRIOR TO PLANTING THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL APPROVE THE FIELD LOCATIONS OR ADJUSTMENTS OF THE PLANT MATERIAL.

5. ALL SHRUB MASSING SHALL BE MULCHED TO A DEPTH OF 2" AND SHREDDED HARDWOOD BARK MULCH SHALL BE USED FOR SHRUB MASSING AREAS.

6. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE CONTRACTOR. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT. STAKING OF THE INSTALLED TREE MUST BE COMPLETED THE SAME DAY AS IT IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED AS PER THE DETAIL. SEE LANDSCAPING PLAN(S) FOR PLANTING DETAILS.

7. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. SEE SITE LAYOUT, GRADING AND/OR UTILITY PLANS FOR STORM, SANITARY, GAS, ELECTRIC, TELEPHONE AND WATER LINES. UTILITY LOCATIONS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.

8. LANDSCAPE PLANTING PITS MUST BE FREE DRAINING, PAVEMENT, COMPACTED SUBGRADE, AND BLASTED ROCK SHALL BE REMOVED TO A DEPTH OF 2' OR TO A GREATER DEPTH IF REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS. REPLACE SOIL WITH MODERATELY COMPACTED LOAM OR SANDY LOAM FREE FROM STONES AND RUBBISH 1" OR GREATER IN DIAMETER AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT. PLANTING INSTALLATION SHALL BE AS DETAILED AND CONTAIN PLANTING MIX AS SPECIFIED UNLESS RECOMMENDED OTHERWISE BY SOIL ANALYSIS.

   PLANTING SOIL MIXTURE:
   2 PARTS PEAT MOSS
   5 PARTS TOPSOIL
   MYCORHIZA INOCULANT - "TRANSPLANT 1-STEP" AS MANUFACTURED BY ROOTS, INC. OR APPROVED EQUAL, USE PER MANUFACTURER'S RECOMMENDATIONS FOR TREES AND SHRUBS, FERTILIZER/LIME APPLY AS RECOMMENDED BY SOIL ANAYLSIS

- TREES, AND SHRUBS: TREES AND SHRUBS SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED AND HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCATION OF THE PROJECT. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE. THEY SHALL HAVE HEALTHY AND WELL-DEVELOPED ROOT SYSTEMS. ALL TREES SHALL HAVE STRAIGHT SINGLE TRUNKS WITH THEIR MAIN LEADER INTACT UNLESS OTHERWISE STATED. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL ONLY PERMIT SUBSTITUTIONS UPON WRITTEN APPROVAL. THEIR SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED ON THE DRAWINGS MAY BE USED IF APPROVED. THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL TREES AND SHRUBS SHALL BE MULCHED IN ACCORDANCE WITH THE RESPECTIVE PLANTING DETAIL(S) PROVIDED IN THE LANDSCAPING PLAN.

- ALL PRUNING SHALL CONFORM TO THE TREE CARE INDUSTRY ASSOCIATION (TCIA) ANSI A300 (PART 1) - 2017 PRUNING STANDARDS. PRUNING STANDARDS SHALL RECOGNIZE BUT, ARE NOT LIMITED TO, THE FOLLOWING PRUNING OBJECTIVES: MANAGE RISK, MANAGE HEALTH, DEVELOP STRUCTURE, PROVIDE CLEARANCE, MANAGE SIZE OR SHAPE, IMPROVE AESTHETICS, MANAGE PRODUCTION OF FRUIT, FLOWERS, OR OTHER PRODUCTS; AND/OR MANAGE WILDLIFE HABITAT. DEVELOPING STRUCTURE SHALL IMPROVE BRANCH AND TRUNK ARCHITECTURE; PROMOTE OR SUBORDINATE CERTAIN LEADERS, STEMS, OR BRANCHES; PROMOTE DESIRABLE BRANCH SPACING; PROMOTE OR DISCOURAGE GROWTH IN A PARTICULAR DIRECTION (DIRECTIONAL PRUNING); MINIMIZE FUTURE INTERFERENCE WITH TRAFFIC, LINES OF SIGHT, INFRASTRUCTURE, OR OTHER PLANTS; RESTORE PLANTS FOLLOWING DAMAGE; AND/OR REJUVENATE SHRUBS. PROVIDING CLEARANCE SHALL ENSURE SAFE AND RELIABLE UTILITY SERVICES; MINIMIZE CURRENT INTERFERENCE WITH TRAFFIC, LINES OF SITE, INFRASTRUCTURE, OR OTHER PLANTS; RAISE CROWN(S) FOR MOVEMENT OF TRAFFIC OR LIGHT PENETRATION; ENSURE LINES OF SIGHT OR DESIRED VIEWS; PROVIDE ACCESS TO SITES, BUILDINGS, OR OTHER STRUCTURES; AND/OR COMPLY WITH REGULATIONS.

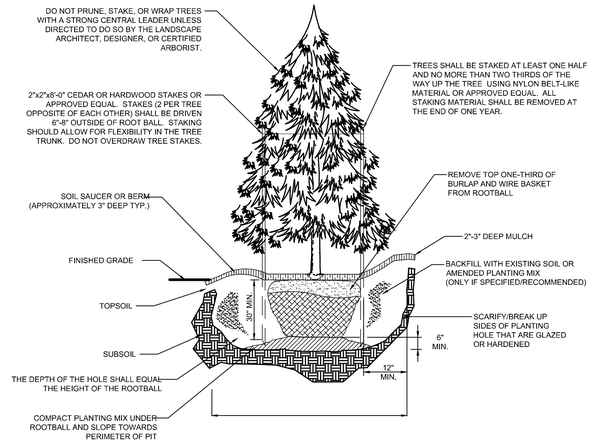
- TOPSOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES. CONTRACTOR SHALL SUBMIT TOPSOIL TO A CERTIFIED TESTING LABORATORY TO DETERMINE PH, FERTILITY, ORGANIC CONTENT AND MECHANICAL COMPOSITION. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS FROM REGIONAL EXTENSION OFFICE OF USDA TO THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR SHALL INCORPORATE AMENDMENTS FOR GOOD PLANT GROWTH AND PROPER SOIL ACIDITY RECOMMENDED FROM THE TOPSOIL TEST.

- NO PHOSPHOROUS SHALL BE USED AT PLANTING TIME UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY A HORTICULTURAL TESTING LAB AND SOIL TESTS SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS/GRASSES AND PLANTINGS FROM ESTABLISHING PROPERLY.

- IF SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHOROUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL APPLICABLE STANDARDS, REQUIREMENTS, AND/OR REGULATIONS.

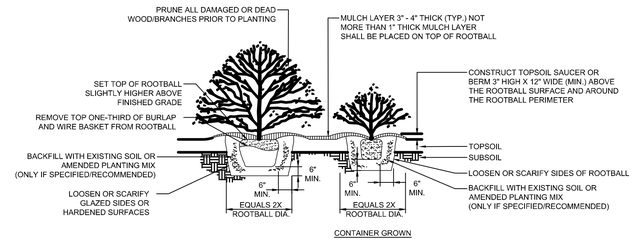
- ALL SLOPES GREATER THAN 3:1 RECEIVING A WILDFLOWER, WETLAND, AND/OR GRASS SEEDING MIXTURE SHALL BE COVERED WITH AN EROSION CONTROL BLANKET.

- ALL WILDFLOWERS AND GRASSES SOWED SHALL BE ALLOWED TO GROW TO THEIR NATURALLY OCCURRING HEIGHTS WHENEVER POSSIBLE. NATIVE WILDFLOWERS AND/OR GRASSES CAN BE MOWED/MAINTAINED (WITHIN ACCEPTABLE AREAS IDENTIFIED AND/OR APPROVED BY APPROPRIATE REGULATORY AGENCIES) AS OFTEN AS NEEDED TO KEEP THE VEGETATION AT A DESIRED AND/OR MANAGEABLE/MANICURED HEIGHT.



EVERGREEN TREE PLANTING DETAIL

N.T.S.



SHRUB PLANTING DETAIL

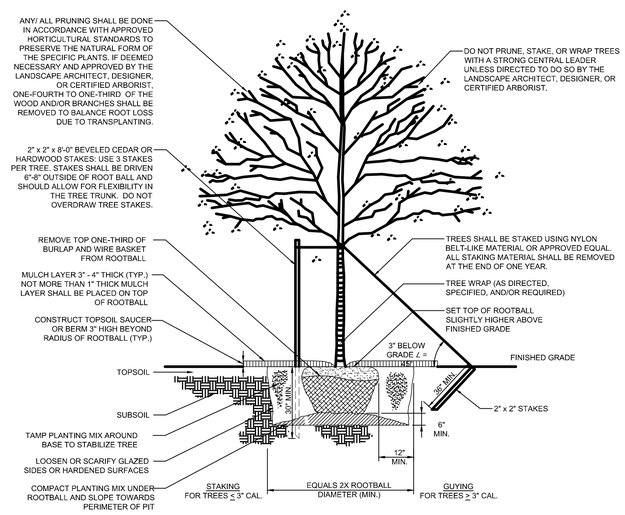
N.T.S.

SOLAR FARM GRASS SEED MIXES

NATIVE/NATURALIZED SOLAR FARM SEED MIX				
BOTANICAL NAME	COMMON NAME	MIX CONCENTRATION	RATE (LBS/ACRE)	RATE (LBS/1000 FT^2)
FESTUCA RUBRA	CREEPING RED FESCUE	34%	262	6
FESTUCA OVINA	SHEEP FESCUE	33%		
FESTUCA BREVIPILA 'BEACON'	HARD FESCUE 'BEACON'	10%		
FESTUCA OVINA VAR. DURIUSCULA 'RHINO'	HARD FESCUE 'RHINO'	5%		
FESTUCA OVINA VAR. GLAUCA (F. ARVERNENSIS) (F. GLAUCA), 'BLUE RAY'	BLUE FESCUE 'BLUE RAY'	5%		
POA PRATENSIS 'ARGYLE'	KENTUCKY BLUEGRASS 'ARGYLE'	5%		
POA PRATENSIS 'SHAMROCK'	KENTUCKY BLUEGRASS 'SHAMROCK'	5%		
AGROSTIS PERENNANS, ALBANY PINE BUSH-NY ECOTYPE	AUTUMN BENTGRASS, ALBANY PINE BUSH-NY ECOTYPE	3%		

NOTE:

GRASS SEED MIXES ARE COMPRISED OF GRASSES THAT ARE NATIVE AND/OR INDIGENOUS TO THE AREA AND/OR CONSIDERED FAVORABLE FOR WILDLIFE HABITAT AND SUSTAINABLE GROWTH. ADDITIONALLY, THE SOLAR FARM SEED MIX WAS DEVELOPED ESPECIALLY FOR NATIVE GRASS PLANTINGS AROUND SOLAR ARRAY FIELDS AND SHALL BE UTILIZED ACCORDINGLY. THESE GRASSES WILL MATURE OUT TO A HEIGHT OF APPROXIMATELY 2 TO 2 1/2 FEET HIGH.



NATIVE/DECIDUOUS TREE PLANTING DETAIL

N.T.S.

LEGEND

LANDSCAPE PLANTING SCHEDULE

OVERALL VISUAL MITIGATION PLANT TOTALS (VISUAL BUFFER/SCREENING EFFORT)

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	140	5'-6' HT. CLUMP	B&B	15'-20' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	810	5'-6' HT.	B&B	40'-60' HT.
PD	PICEA GLAUCA 'DENSATA' BLACK HILLS SPRUCE	489	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	325	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	211	2" CAL. MIN.	B&B	50'-70' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	396	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	391	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	377	3'-4' HT.	B&B	15'-25' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	426	24"-30" HT.	#3/5 CONT.	6'-12' HT.
VT	VIBURNUM TRILOBUM CRANBERRY VIBURNUM	484	24"-30" HT.	#3/5 CONT.	8'-10' HT.

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

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NOT FOR CONSTRUCTION

PREPARED FOR:
NEXTera ENERGY
700 Universe Blvd,
Juno Beach, FL 33408

TRC
4900 RITTER ROAD
MECHANICSBURG, PA
TRC PROJECT NO: 276517.4552

REV	DESCRIPTION	DATE	DES	CHK	APP

MR DESIGNED
TKM DRAWN
MR CHECKED
MR APPROVED
REVIEW 1
REVIEW 2

PRELIMINARY
LANDSCAPE PLAN
TRELINA SOLAR ENERGY CENTER, LLC
LANDSCAPE NOTES & DETAILS
TOWN OF WATERLOO SENECA COUNTY, NY

00/19 DATE
AS NOTED SCALE
TRC
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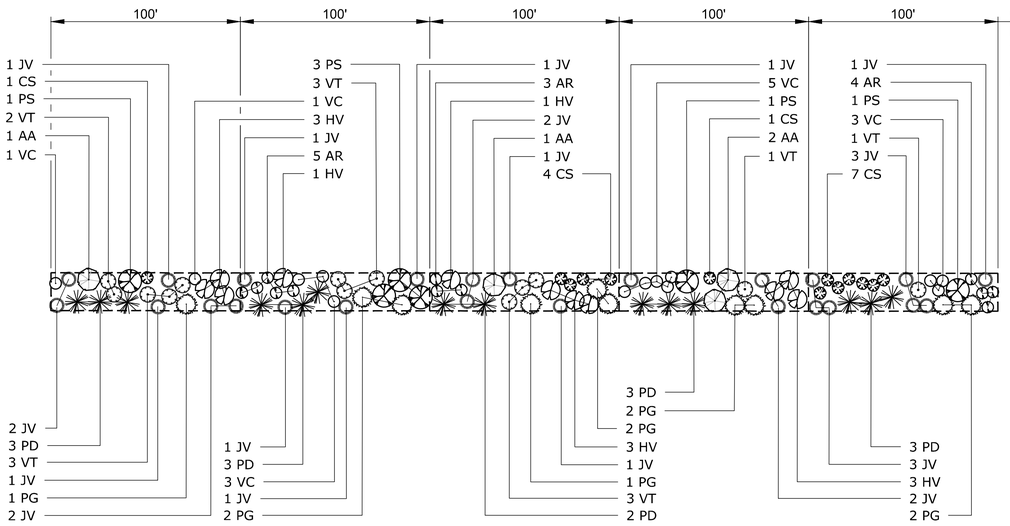
REV. A



ONCE A 500' PLANTING LENGTH IS ACHIEVED, PLANTING PATTERN SHALL REPEAT FROM THE BEGINNING OF TEMPLATE. THIS PROCESS SHALL CONTINUE UNTIL THE VEGETATIVE MITIGATION AREA IS COMPLETED.

LEGEND

VISUAL MITIGATION PLANTING TEMPLATE

LANDSCAPE PLANTING SCHEDULE

(VISUAL BUFFER/SCREENING EFFORT)

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	4	5'-6' HT. CLUMP	B&B	15'-20' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	24	5'-6' HT.	B&B	40'-60' HT.
PD	PICEA GLAUCA 'DENSATA' BLACK HILLS SPRUCE	14	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	10	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	6	2" CAL. MIN.	B&B	50'-70' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	12	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	13	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	11	3'-4' HT.	B&B	15'-25' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	13	24"-30" HT.	#3/5 CONT.	6'-12' HT.
VT	VIBURNUM TRILOBUM CRANBERRY VIBURNUM	13	24"-30" HT.	#3/5 CONT.	8'-10' HT.

LEGEND - VM1

PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE — TOTAL MITIGATION LENGTH = 1,165 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	10	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	33	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	20	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	12	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	47	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	30	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	27	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	43	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	27	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	35	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM2

PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE — TOTAL MITIGATION LENGTH = 1,352 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	9	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	34	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	20	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	10	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	44	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	27	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	26	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	41	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	26	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	33	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM3

PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE — TOTAL MITIGATION LENGTH = 510 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	3	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	14	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	7	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	4	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	19	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	11	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	11	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	16	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	9	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	13	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM4

PLANTING TEMPLATE

LANDSCAPE PLANTING SCHEDULE — TOTAL MITIGATION LENGTH = 1,038 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	9	5'-6' HT. CLUMP	B&B	15'-20' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	50	5'-6' HT.	B&B	40'-60' HT.
PD	PICEA GLAUCA 'DENSATA' BLACK HILLS SPRUCE	30	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	20	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	12	2" CAL. MIN.	B&B	50'-70' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	24	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	26	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	22	3'-4' HT.	B&B	15'-25' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	27	24"-30" HT.	#3/5 CONT.	6'-12' HT.
VT	VIBURNUM TRILOBUM CRANBERRY VIBURNUM	28	24"-30" HT.	#3/5 CONT.	8'-10' HT.

LEGEND - VM5

PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE — TOTAL MITIGATION LENGTH = 1,590 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	10	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	42	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	22	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	13	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	56	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	33	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	34	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	49	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	32	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	38	24"-30" HT.	#3/5 CONT.	6'-12' HT.

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PREPARED FOR:

NEXTera ENERGY

700 Universe Blvd,
Juno Beach, FL 33408

TRC
4900 RITTER ROAD
MECHANICSBURG, PA

TRC PROJECT NO: 276517.4552

REV	DESCRIPTION	DATE	DES	CHK	APP

MR	DESIGNED
TKM	DRAWN
MR	CHECKED
MR	APPROVED
	REVIEW 1
	REVIEW 2
00/19	DATE
AS NOTED	SCALE

PRELIMINARY
LANDSCAPE PLAN
TRELINA SOLAR ENERGY CENTER, LLC
LANDSCAPE NOTES & DETAILS
TOWN OF WATERLOO — SENECA COUNTY, NY

TRC

L2.02

REV. A

LEGEND - VM6 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 738 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	5	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	20	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	10	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	7	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	27	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	19	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	13	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	24	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	15	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	17	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM7 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 2,980 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	18	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	78	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	41	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	23	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	101	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	63	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	96	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	96	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	54	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	72	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM8 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 680 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	4	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	19	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	8	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	6	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	25	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	16	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	13	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	22	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	15	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	17	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM9 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 600 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	4	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	16	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	8	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	5	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	22	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	11	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	12	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	19	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	14	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	14	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM10 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 1,645 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	10	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	43	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	22	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	13	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	58	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	29	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	34	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	53	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	32	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	40	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM11 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 710 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	4	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	19	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	9	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	7	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	26	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	18	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	13	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	23	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	15	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	17	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM12 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 1,865 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	12	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	48	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	27	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	14	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	61	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	29	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	37	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	58	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	35	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	47	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM13 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 1,090 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	7	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	29	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	15	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	9	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	39	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	16	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	23	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	33	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	23	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	26	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM14 PLANTING TEMPLATE TYPE 2

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 470 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	3	5'-6' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	13	5'-6' HT.	B&B	45'-65' HT.
PG	PICEA GLAUCA WHITE SPRUCE	6	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	2	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	16	5'-6' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	5	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	9	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	16	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	9	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	12	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM15 PLANTING TEMPLATE

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 583 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	5	5'-6' HT. CLUMP	B&B	15'-20' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	28	5'-6' HT.	B&B	40'-60' HT.
PD	PICEA GLAUCA 'DENSATA' BLACK HILLS SPRUCE	17	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	11	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	7	2" CAL. MIN.	B&B	50'-70' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	12	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	14	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	12	3'-4' HT.	B&B	15'-25' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	15	24"-30" HT.	#3/5 CONT.	6'-12' HT.
VT	VIBURNUM TRILOBUM CRANBERRY VIBURNUM	18	24"-30" HT.	#3/5 CONT.	8'-10' HT.

LEGEND - VM16 PLANTING TEMPLATE

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 583 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	5	5'-6' HT. CLUMP	B&B	15'-20' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	28	5'-6' HT.	B&B	40'-60' HT.
PD	PICEA GLAUCA 'DENSATA' BLACK HILLS SPRUCE	17	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	11	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	7	2" CAL. MIN.	B&B	50'-70' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	12	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	14	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	12	3'-4' HT.	B&B	15'-25' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	15	24"-30" HT.	#3/5 CONT.	6'-12' HT.
VT	VIBURNUM TRILOBUM CRANBERRY VIBURNUM	18	24"-30" HT.	#3/5 CONT.	8'-10' HT.

LEGEND - VM17 PLANTING TEMPLATE

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 216 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	1	5'-6' HT. CLUMP	B&B	15'-20' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	10	5'-6' HT.	B&B	40'-60' HT.
PD	PICEA GLAUCA 'DENSATA' BLACK HILLS SPRUCE	7	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	3	5'-6' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	4	2" CAL. MIN.	B&B	50'-70' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	7	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	1	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	5	3'-4' HT.	B&B	15'-25' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	5	24"-30" HT.	#3/5 CONT.	6'-12' HT.
VT	VIBURNUM TRILOBUM CRANBERRY VIBURNUM	8	24"-30" HT.	#3/5 CONT.	8'-10' HT.

LEGEND - VM18 PLANTING TEMPLATE SPECIAL PLANTING AREA

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 2,975 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	18	6'-8' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	36	7'-8' HT.	B&B	45'-65' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	34	7'-8' HT.	B&B	40'-50' HT.
NS	NYSSA SYLVATICA BLACK GUM	30	2 1/2" CAL. MIN.	B&B	40'-60' HT.
PG	PICEA GLAUCA WHITE SPRUCE	36	7'-8' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	29	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	315	7'-8' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	71	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	90	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	54	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	90	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	59	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM19 PLANTING TEMPLATE SPECIAL PLANTING AREA

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 575 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	3	6'-8' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	9	7'-8' HT.	B&B	45'-65' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	7	7'-8' HT.	B&B	40'-50' HT.
NS	NYSSA SYLVATICA BLACK GUM	6	2 1/2" CAL. MIN.	B&B	40'-60' HT.
PG	PICEA GLAUCA WHITE SPRUCE	7	7'-8' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	5	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	60	7'-8' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	12	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	18	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	10	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	15	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	14	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LEGEND - VM20 PLANTING TEMPLATE SPECIAL PLANTING AREA

LANDSCAPE PLANTING SCHEDULE TOTAL MITIGATION LENGTH = 1,094 LF

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AA	AMELANCHIER ARBOREA DOWNY SHADBUSH	7	6'-8' HT. CLUMP	B&B	15'-20' HT.
AB	ABIES BALSAMEA BALSAM FIR	15	7'-8' HT.	B&B	45'-65' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	13	7'-8' HT.	B&B	40'-50' HT.
NS	NYSSA SYLVATICA BLACK GUM	11	2 1/2" CAL. MIN.	B&B	40'-60' HT.
PG	PICEA GLAUCA WHITE SPRUCE	13	7'-8' HT.	B&B	40'-60' HT.
PS	PRUNUS SEROTINO BLACK CHERRY	10	2" CAL. MIN.	B&B	50'-70' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	115	7'-8' HT.	B&B	40'-60' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	24	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	33	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	19	3'-4' HT.	B&B	15'-25' HT.
SA	SYMPHORICARPOS ALBUS COMMON SNOWBERRY	30	24"-30" HT.	#3/5 CONT.	3'-6' HT.
VC	VACCINIUM CORYMBOSUM HIGHBUSH BLUEBERRY	24	24"-30" HT.	#3/5 CONT.	6'-12' HT.

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Dig Safely. New York Call 811 before you dig

PRELIMINARY
NOT FOR CONSTRUCTION

PREPARED FOR:

NEXTera ENERGY

700 Universe Blvd,
Juno Beach, FL 33408

TRC 4900 RITTER ROAD
MECHANICSBURG, PA

TRC PROJECT NO: 276517.4552

REV	DESCRIPTION	DATE	DES	CHK	APP

MR DESIGNED
TKM DRAWN
MR CHECKED
MR APPROVED
REVIEW 1
REVIEW 2

PRELIMINARY
LANDSCAPE PLAN
TRELINA SOLAR ENERGY CENTER, LLC
LANDSCAPE NOTES & DETAILS
TOWN OF WATERLOO SENECA COUNTY, NY

00/19 DATE
AS NOTED SCALE

TRC

L2.03

REV. A