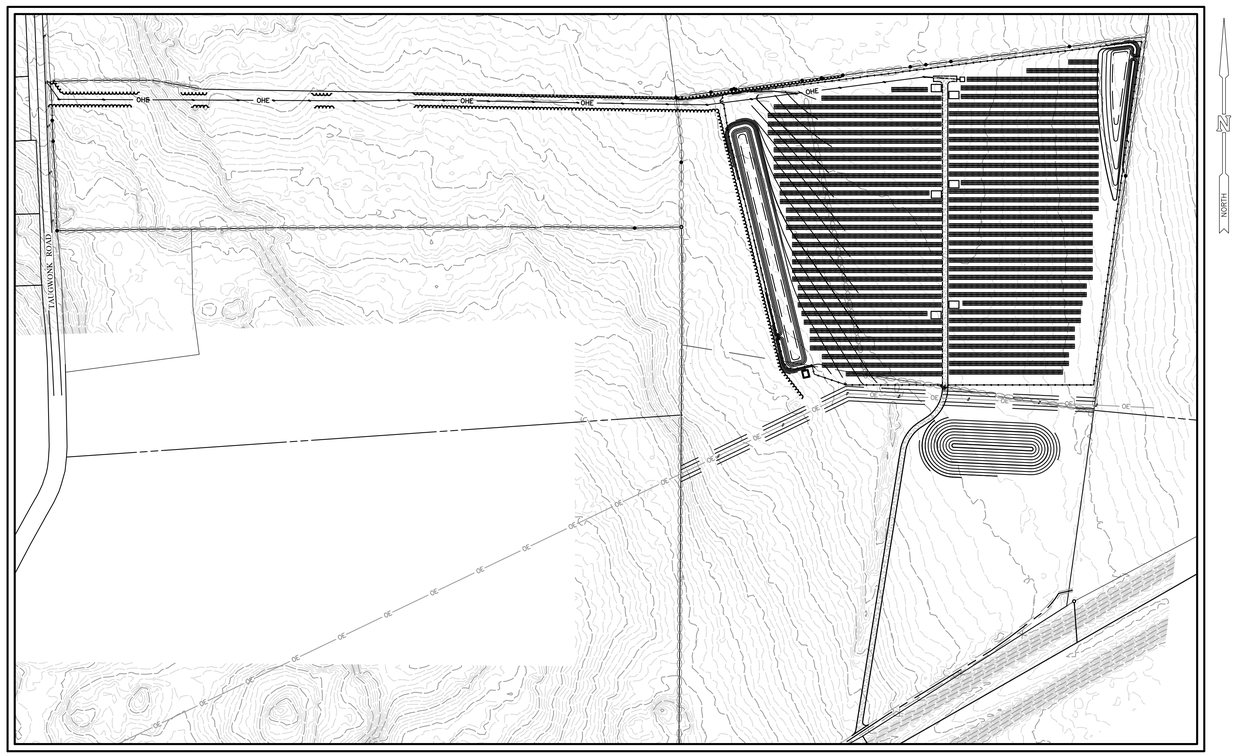
Plotted by: BRADWAY on 20-AUG-2019 09:44 Plotted By: BRADWAY On: 20-AUG-2019 August 19, 2019 - 2:57pm

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

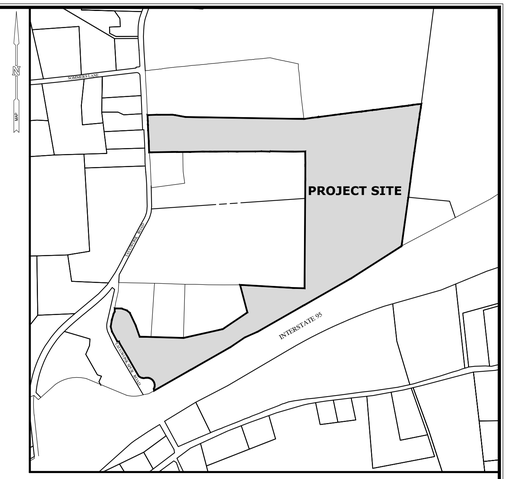
TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT
PERMIT DRAWINGS

MMI PROJECT No. 6763-05
AUGUST 19, 2019



PROJECT SITE VICINITY MAP:

0' 100' 200'
0 1/2" 1"
SCALE 1" = 200'



LOCATION MAP:

0' 400' 800'
0 1/2" 1"
SCALE 1" = 800'

PREPARED FOR:

Greenskies
a Clean Focus company

180 JOHNSON STREET
MIDDLETOWN, CT 06457

LIST OF DRAWINGS

NO.	NAME	TITLE
01	--	TITLE SHEET
02	LD	LEGEND & NOTES
03	IN	INDEX SHEET
04 - 07	EX-1 - EX-4	EXISTING CONDITIONS PLANS
08 - 11	LA-1 - LA-4	SITE LAYOUT & GRADING PLANS
12 - 14	SE-1 - SE-3	SEDIMENT & EROSION CONTROL PLAN
15 - 17	SD-1 - SD-3	MISCELLANEOUS SITE DETAILS

811
Know what's **below.**
Call before you dig.
www.cbyd.com

PREPARED BY:

MILONE & MACBROOM
1350 MAIN STREET, SUITE 1012
SPRINGFIELD, MA
413.241.6920
WWW.MMINC.COM

99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
WWW.MMINC.COM

STATE OF CONNECTICUT
MICHAEL R. BRADWAY
No. 18696
LICENSED PROFESSIONAL ENGINEER

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Plotted: 19 AUGUST 2019 - 10:36AM
Saved: Thu, Aug 15, 2019 4:54 PM
Name: "L:\...\LD.dwg"

SURVEY NOTES

1. THIS PLAN IS BASED ON THE PLAN AND SURVEY PROVIDED BY NORTHEAST SURVEY CONSULTANTS DATED MAY 24, 2019.
2. HORIZONTAL DATUM IS NAD83. VERTICAL DATUM IS NAVD88.
3. BOUNDARY LINES SHOWN HEREIN WERE TAKEN FROM PLANS & DEEDS OF RECORD AND MONUMENTS FOUND.
4. ALL CONTOURS SHOWN HEREIN WERE GENERATED IN ARCMAP FROM DIGITAL ELEVATION MODELS OF THE 2016 CRCOG LIDAR DATA (5' GRID SIZE/TIN GRID METHOD) AS DISTRIBUTED BY NOAA.
5. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, ALL OF THE LOCUS IS LOCATED IN AN AREA DESIGNATED AS ZONE X (UNSHADED): "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.
6. LOCATIONS OF UTILITIES SHOWN HEREIN ARE THE RESULT OF SURFACE EVIDENCE AS LOCATED BY FIELD SURVEY AND ANECDOTAL KNOWLEDGE OF THE SITE. THIS PLAN DOES NOT DEPICT THE EXACT LOCATIONS OF ALL UTILITIES WHICH MAY EXIST AT THIS TIME WITHIN THE PREMISES SURVEYED.
7. THE PROJECT PROPERTY IS LOCATED WITHIN THE LI-130 AND GBR-130 ZONING DISTRICTS.

GENERAL NOTES

1. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD (V.I.F.) PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND SAFETY OF TRAFFIC ON THE PUBLIC AND PRIVATE WAYS AFFECTED BY THE CONSTRUCTION OF THE PROJECT.
4. ALL SLOPES, VEGETATION, PAVING, WALKS, AND IMPROVEMENTS OUTSIDE THE AREAS TO BE AFFECTED BY THE CONSTRUCTION OF THE PROJECT SHALL BE PROTECTED. DAMAGES RESULTING FROM CONSTRUCTION ACTIVITIES OUTSIDE THE PROJECT LIMITS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH O.S.H.A. STANDARDS AND LOCAL REQUIREMENTS.
6. ALL STUMPS SHALL BE DISPOSED OF AT AN APPROVED OFFSITE LOCATION. THE BURYING OF STUMPS ON SITE SHALL NOT BE PERMITTED.

SEDIMENT & EROSION CONTROL NOTES

1. CONTRACTOR TO STAKE OUT LIMIT OF DISTURBANCE. NO DISTURBANCE IS TO TAKE PLACE BEYOND THE LIMITS OF WORK SHOWN.
2. CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AS SHOWN ON THE SEDIMENT CONTROL PLAN AND STABILIZED CONSTRUCTION ENTRANCE.
3. CLEAR AND GRUB SITE AND STOCKPILE TOPSOIL AS NECESSARY. PLACE COMPOST FILTER TUBES AROUND STOCKPILES.
4. CONSTRUCT STORMWATER MANAGEMENT BASIN AFTER THE SITE IS CLEARED AND GRUBBED.
5. SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE PV ARRAY INSTALLATION. STABILIZE ALL SLOPES IMMEDIATELY AFTER THEIR ESTABLISHMENT.
6. THE SEDIMENT CONTROL PLAN SHALL BE MODIFIED BY THE CONTRACTOR AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE AND THE MUNICIPALITY DESIGNATED REPRESENTATIVE AS NECESSITATED BY CHANGING SITE CONDITIONS.
7. INSPECTION OF THE SITE FOR EROSION SHALL CONTINUE UNTIL THE SITE HAS STABILIZED AFTER PROJECT COMPLETION.
8. ALL DEWATERING WASTE WATERS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS.
9. THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
10. A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.

ZONING DATA

ZONING DISTRICT	GBR-130 (GREENBELT RESIDENTIAL)
DIMENSIONAL / DENSITY CRITERIA	**REGULATION**
MIN. LOT AREA	130,000 SF
YARD SETBACKS	
FRONT	75 FT
SIDE [1,2]	30/100 FT
REAR	100 FT
MAX HEIGHT	30 FT

NOTES:

1. ONE SIDE MINIMUM THIRTY (30) FEET - TOTAL BOTH SIDES ONE HUNDRED (100) FEET PER THE REQUIREMENTS OF THE TOWN OF STONINGTON ZONING REGULATIONS, SECTION 5.1.1.
2. WHERE A NEW STRUCTURE OR ADDITION IN THE GBR-130 ZONE IS CONSTRUCTED LESS THAN FIFTY (50) FEET FROM AN EXISTING DWELLING UNIT ON AN ADJACENT LOT SCREENING SHALL BE PROVIDED ALONG THE COMMON PROPERTY LINE IN ACCORDANCE WITH THE DEFINITION OF "SCREENING" IN SECTION 1.2.2 OF THE TOWN OF STONINGTON ZONING REGULATIONS. SCREENING SHALL EXTEND FOR A LENGTH OF TWENTY FIVE (25) FEET ON BOTH SIDES PAST THE NEW STRUCTURE. EXISTING SCREENING MAY FULFILL THIS REQUIREMENT. NEW ACCESSORY STRUCTURES OF NOT MORE THAN ONE HUNDRED (100) SQUARE FEET IN AREA AND NOT MORE THAN TEN (10) FEET IN HEIGHT SHALL BE REGULATED BY THE SCREENING REQUIREMENTS OF SECTION 2.14.

EXISTING CONDITIONS LEGEND

BUILDING / STRUCTURE
MAJOR CONTOUR — 370
MINOR CONTOUR — 369
TREELINE
EDGE OF PAVEMENT
PROPERTY LINE
STREET LINE
FLAGGED WETLAND LIMIT
WETLAND FLAG — 63A
WETLAND BUFFER — 100' WETLAND BUFFER
LOCUS PROPERTY LINE
ABUTTERS LINE
EASEMENT LINE
OVERHEAD WIRES — OE
STONE WALL
WIRE FENCE — X
WIRE FENCE
ASSESSOR'S ID — 84-1-2
NOW OR FORMERLY — N/F
IRON PIPE FOUND — IPF
CONC. BOUND FOUND — CBF
DRILL HOLE FOUND — DHF
CALCULATED POINT
UTILITY POLE
GUY WIRE ANCHOR
PIPE INLET OR OUTLET

GRADING NOTES

THE RESHAPING OF THE GROUND SURFACE WITH EXCAVATION AND FILLING OR A COMBINATION OF, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE THE SEDIMENT AND EROSION MEASURES IN ADDITION THE FOLLOWING CRITERIA:

1. THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
2. THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
3. THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO TWO VERTICAL (1:2).
4. PROVISIONS SHOULD BE INCLUDED TO CONVEY SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
5. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH INTO ADJACENT WETLANDS, WATERCOURSES, OR WATER BODIES.
6. PRIOR TO ANY RE-GRADING, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.
7. GRADING SHALL BE COMPLETED TO 95% COMPACTION PER THE SPECIFICATIONS.

SEDIMENT & EROSION LEGEND

SILT FENCE — SF
SILT FENCE & STAKED STRAW BALES — SF
COMPOST FILTER TUBE — CFT
LIMIT OF CLEARING
CONSTRUCTION ENTRANCE PAD

ZONING DATA

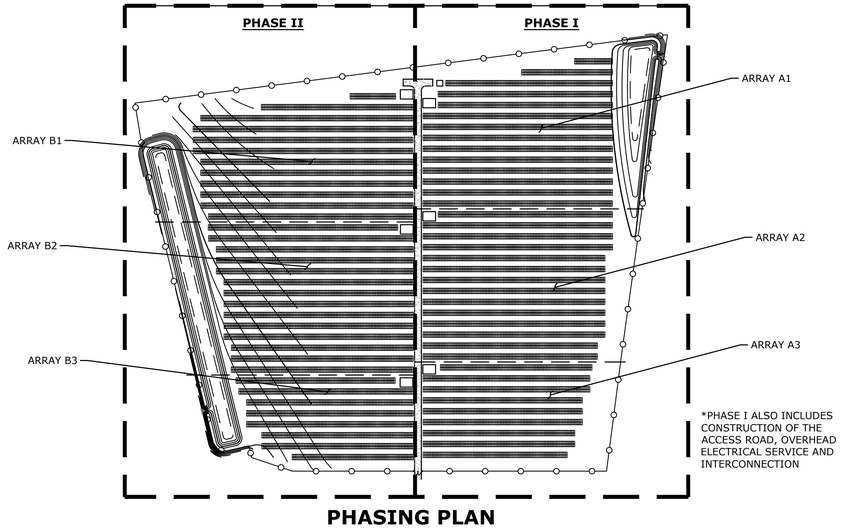
ZONING DISTRICT	LI-130 (LIGHT INDUSTRY)
DIMENSIONAL / DENSITY CRITERIA	**REGULATION**
MIN. LOT AREA	130,000 SF
YARD SETBACKS	
FRONT [1,2]	50 FT
SIDE [1,2]	25 FT
REAR [1,2]	50 FT
MAX HEIGHT	30 FT

NOTES:

1. A 50 FOOT BUFFER WITH 25 FEET OF SCREENING IS REQUIRED FOR COMMERCIAL OR MANUFACTURING USE ADJOINING EXISTING RESIDENCE PER THE TOWN OF STONINGTON ZONING REGULATIONS, SECTION 4.8.4.1.
2. A 100 FOOT BUFFER WITH 50 FEET OF SCREENING IS REQUIRED FOR COMMERCIAL OR MANUFACTURING USE ADJOINING RESIDENTIAL ZONE PER THE TOWN OF STONINGTON ZONING REGULATIONS, SECTION 4.8.4.2.

SITE LAYOUT LEGEND

PROPOSED MAJOR CONTOUR — 250
PROPOSED MINOR CONTOUR — 248
SPOT ELEVATION — +260.20
GRAVEL SURFACE
PROPOSED ELECTRICAL SERVICE (UNDERGROUND) — E
PROPOSED ELECTRICAL SERVICE (OVERHEAD) — OHE
PROPOSED CHANLINK FENCE / GATE
PHOTOVOLTAIC ARRAY
PROPOSED LIMIT OF WORK
PROPOSED INVERTER PAD
PROPOSED UTILITY POLE



*PHASE I ALSO INCLUDES CONSTRUCTION OF THE ACCESS ROAD, OVERHEAD ELECTRICAL SERVICE AND INTERCONNECTION

PHASING PLAN

PV SOLAR SYSTEM SPECIFICATIONS	
Module manufacturer/model:	Trina Solar, TSM-DE15H(II) 390
Module output (Watts):	390
System DC/AC Ratio:	1.3
Module tilt angle:	25
Azimuth:	180
Min Row Spacing (FT):	12
Racking:	Fixed tilt, 2x5 Portrait, Post-driven Racking
PHASE-1	
Array A1	
No. Modules:	3,330
Array Output (mW-DC):	1.30
Array Output (mW-AC):	1.00
Array A2	
No. Modules:	3,330
Array Output (mW-DC):	1.30
Array Output (mW-AC):	1.00
Array A3	
No. Modules:	1,660
Array Output (mW-DC):	0.65
Array Output (mW-AC):	0.50
Phase-1 Output (mW-DC):	**3.24**
Phase-1 Output (mW-AC):	**2.50**
PHASE-2	
Array B1	
No. Modules:	3,330
Array Output (mW-DC):	1.30
Array Output (mW-AC):	1.00
Array B2	
No. Modules:	3,270
Array Output (mW-DC):	1.28
Array Output (mW-AC):	0.98
Array B3	
No. Modules:	1,660
Array Output (mW-DC):	0.65
Array Output (mW-AC):	0.50
Phase-2 Output (mW-DC):	**3.22**
Phase-2 Output (mW-AC):	**2.48**

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LEGEND & NOTES

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRA
DESIGNED	DRAWN	CHECKED

N.T.S. (SCALE)
AUGUST 19, 2019 (DATE)
6763-05 (PROJECT NO.)
02 OF 17 (SHEET NO.)
LD (SHEET NAME)

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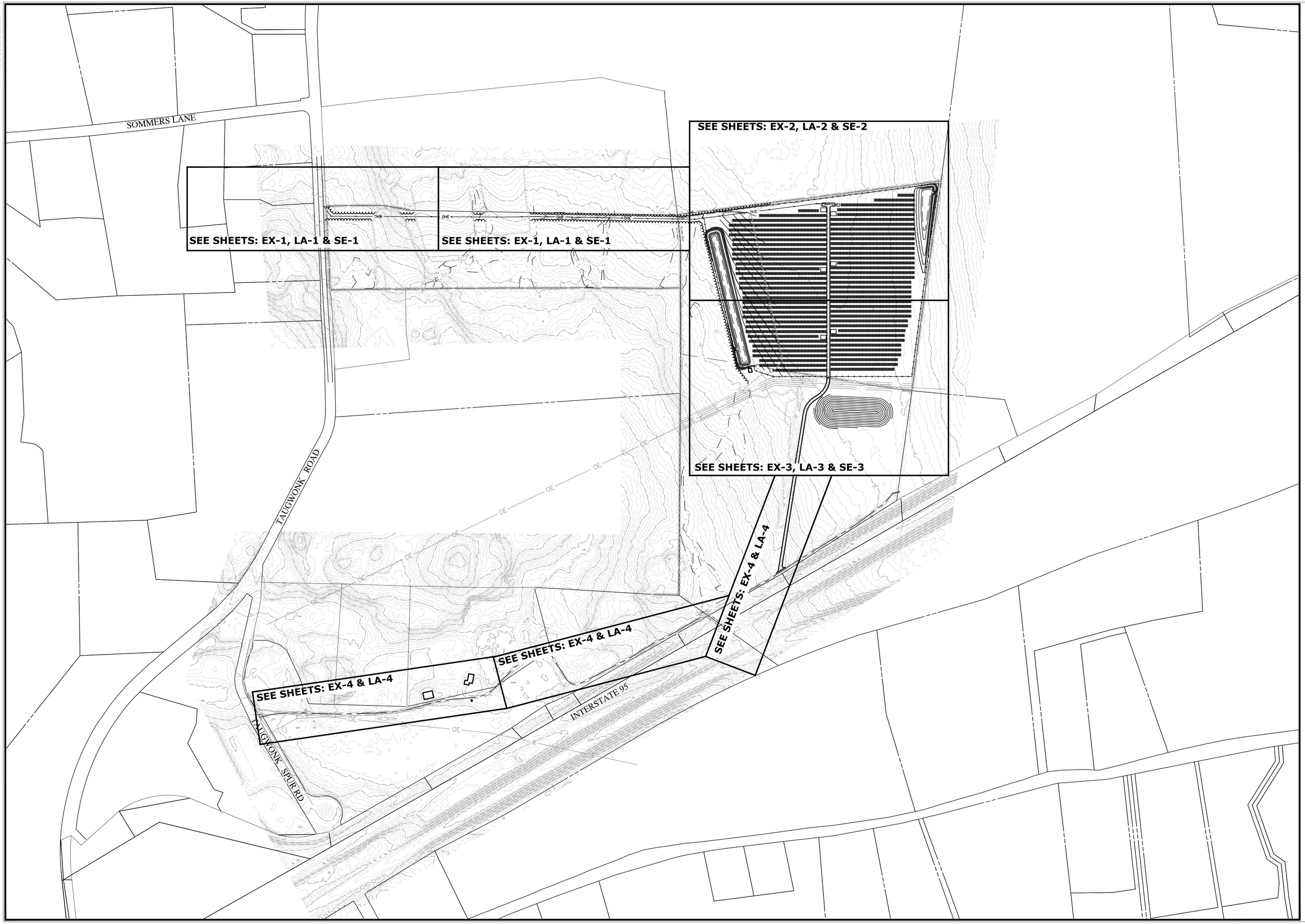

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NOT FOR CONSTRUCTION

INDEX SHEET

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

1"=200'
SCALE

AUGUST 19, 2019
DATE

6763-05
PROJECT NO.

03 OF 17
SHEET NO.

IN
SHEET NAME

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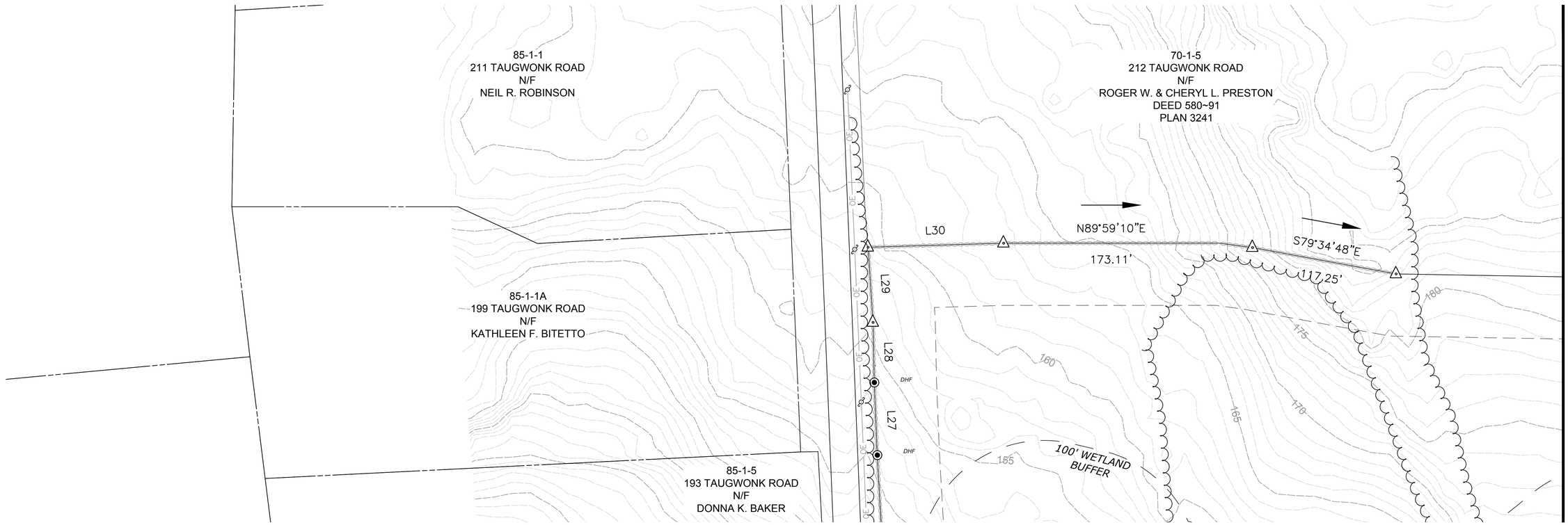

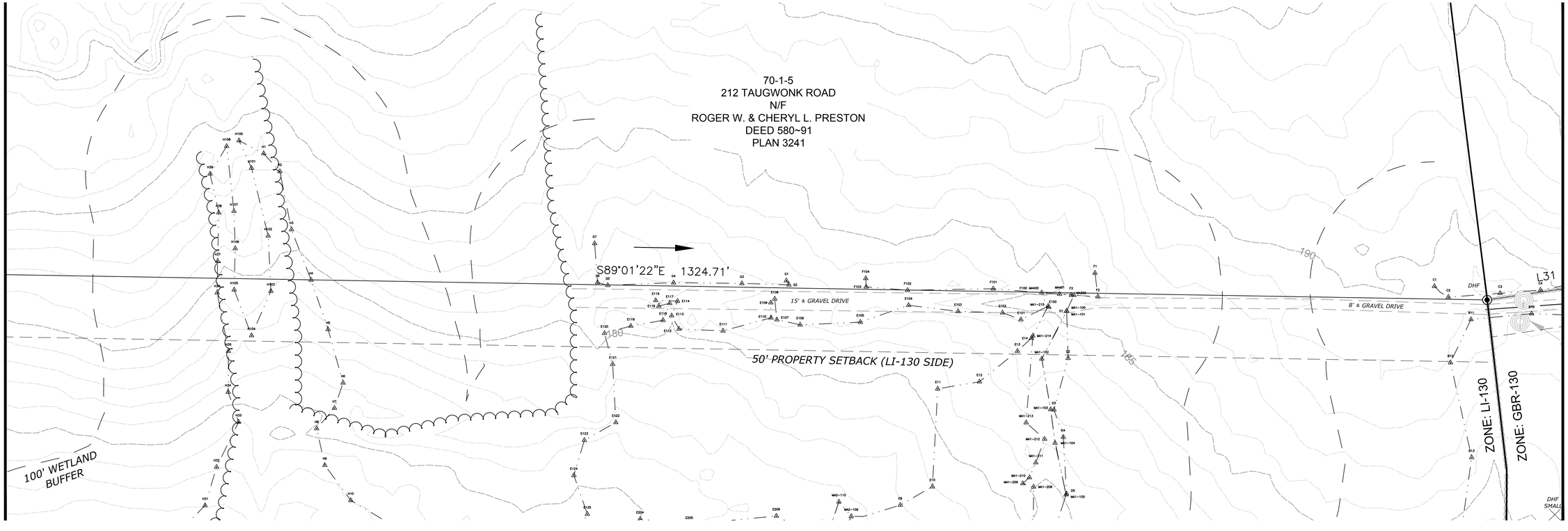

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EXISTING CONDITIONS PLAN

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TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

1"=40'
SCALE

AUGUST 19, 2019
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6763-05
PROJECT NO.

04 OF 17
SHEET NO.

EX-1
SHEET NAME

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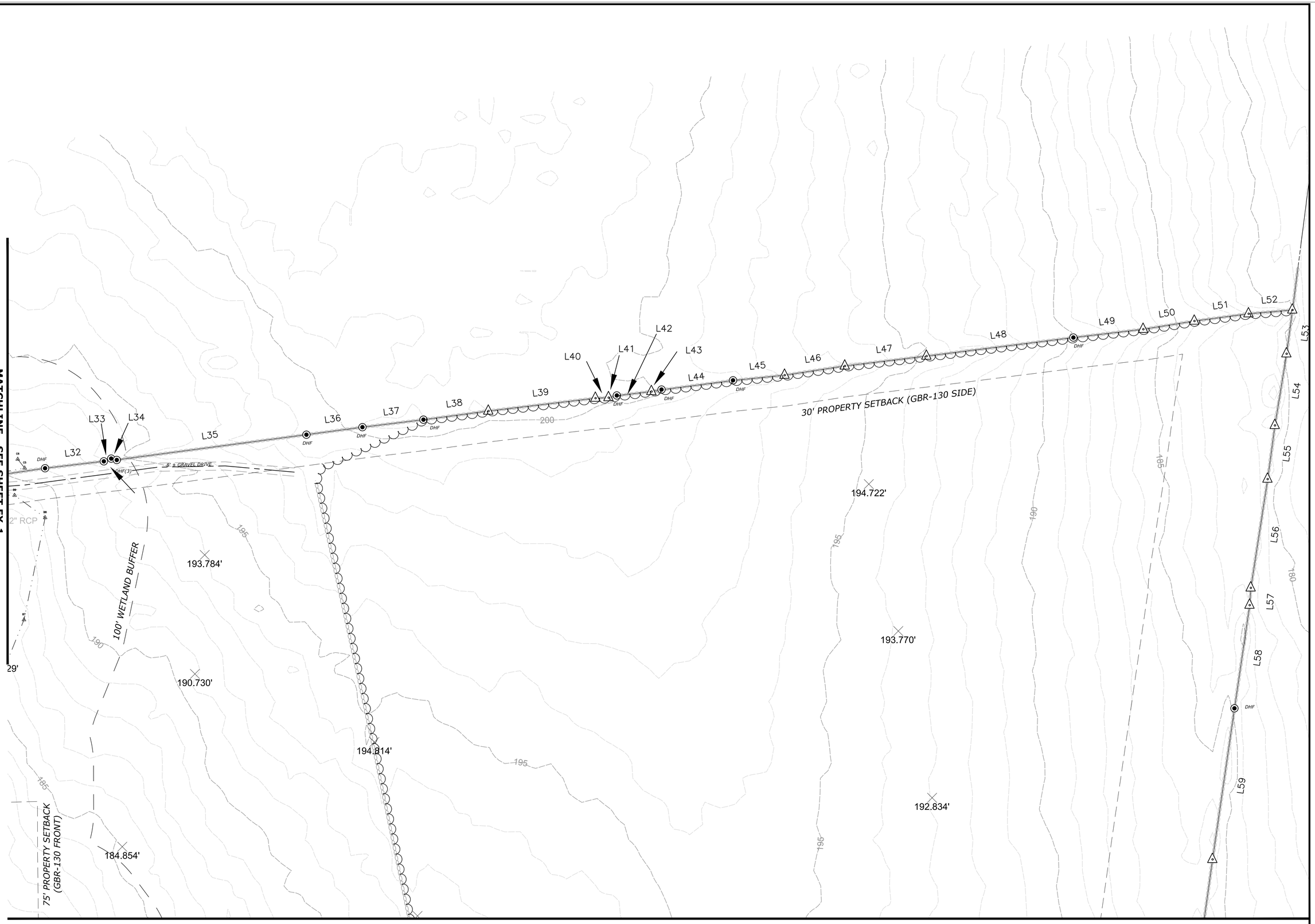

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EXISTING CONDITIONS PLAN

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TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

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SCALE: 1"=40'

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 05 OF 17

SHEET NAME: EX-2

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MATCHLINE - SEE SHEET EX-2

192.470'
184.363'
192.602'
182.162'
192.116'
179.200'
190.143'
191.794'
190.103'
SHED
L60
L61
L62
MYSTIC POWER COMPANY
EASEMENT
DEED 65~500
20' WIDE RIGHT TO CUT TREES
40' WIDE RIGHT TO CUT BRUSH
NON-ACTIVE LINE,
LINES DISCONNECTED AT
TAUGWONK SPUR
75' PROPERTY SETBACK (GBR-130 FRONT)
100' WETLAND BUFFER
100' PROPERTY SETBACK (GBR-130 REAR)
OE
180
190
199
175
170
165
160

LOCUS
84-1-2
TAUGWONK SPUR ROAD
N/F
WAYNE T. ROBINSON
DEED 759~1049
DEED 759~1052
DEED 759~1054
PLAN 1652
PLAN 3241

AREA = 84.2 AC. ±

61-1-1
PEQUOT TRAIL
N/F
STEPHEN I. NICHOLS IRREVOCABLE TRUST
DEED 583~626

MATCHLINE - SEE SHEET EX-4

N
W E
S
0' 20' 40'
0 1/2" 1"

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TAUGWONK SPUR ROAD
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DATE: AUGUST 19, 2019
PROJECT NO.: 6763-05
SHEET NO.: 06 OF 17

EX-3
SHEET NAME

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MATCHLINE A

ZONE: LI-130

ZONE: GBR-130

S00°19'11"W 600.00'

100' WETLAND BUFFER

70' PROPERTY SETBACK (GBR-130 SIDE)

13' ± GRAVEL DRIVE

INTERSTATE 95

A VARIABLE WIDTH 1966 STATE HIGHWAY LAYOUT

170

175

180

185

MATCHLINE - SEE SHEET EX-3

115

13' ± GRAVEL DRIVE

N56°00'59"E 333.64'

MATCHLINE B

50' PROPERTY SETBACK (LI-130 SIDE)

125

130

135

145

ZONE: GBR-130

ZONE: LI-130

12" RCP

CBF

MATCHLINE A

120

13' ± GRAVEL DRIVE

S60°19'07"W 600.00'

115

140

131.91'

S18°58'30"E

48" RCP

L3

L2

L1

UP/2

UP/403

50' PROPERTY SETBACK (LI-130 FRONT)

APPROXIMATE FORMER LOCATION AT&T POLE LINE
EASEMENT POSSIBLE COVERED BY DEED 51~436
NO WIDTH GIVEN

S88°19'30"E 489.18'

IPF

BARN

HOUSE

SHED

N77°26'02"E 450.00'

MATCHLINE B

0' 20' 40'
0 1/2" 1"

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EXISTING CONDITIONS PLAN

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STONINGTON, CONNECTICUT

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6763-05
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07 OF 17
SHEET NO.

EX-4
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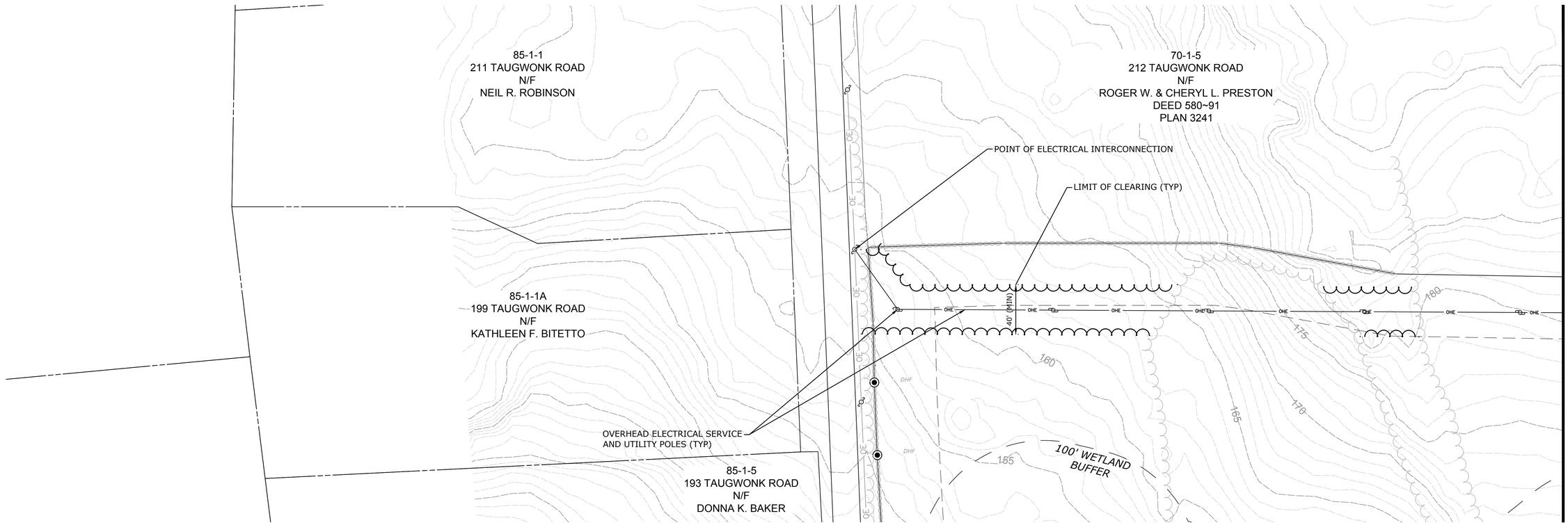

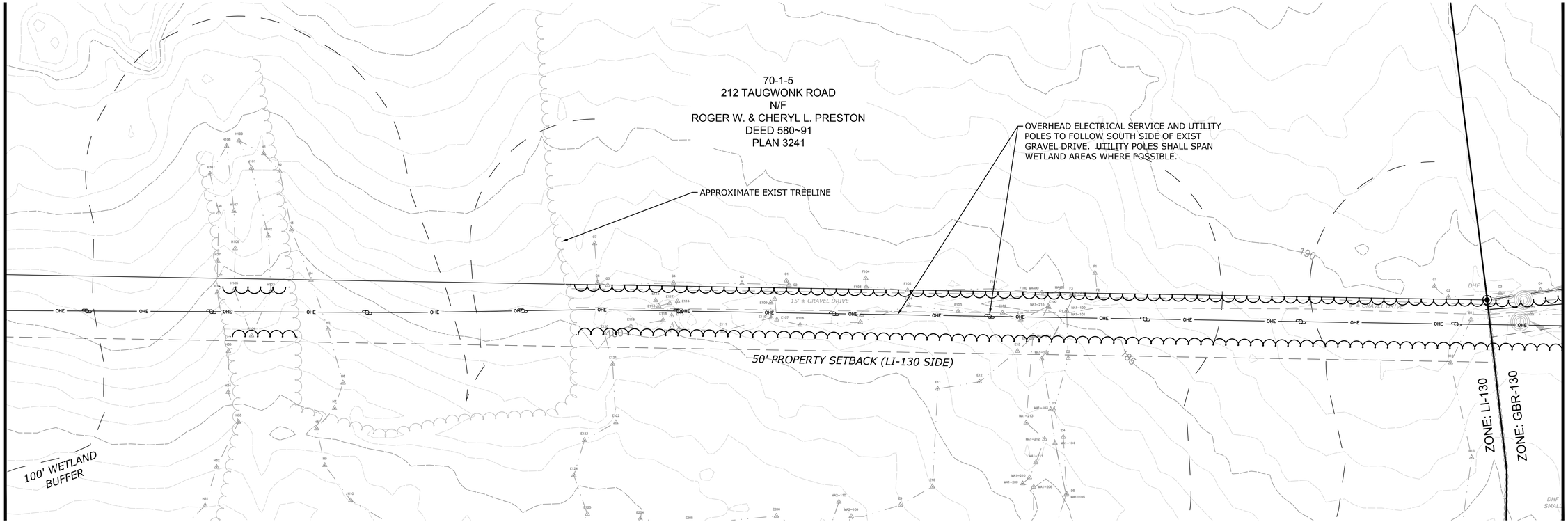

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SITE LAYOUT & GRADING PLAN

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TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

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6763-05
PROJECT NO.

08 OF 17
SHEET NO.

LA-1
SHEET NAME

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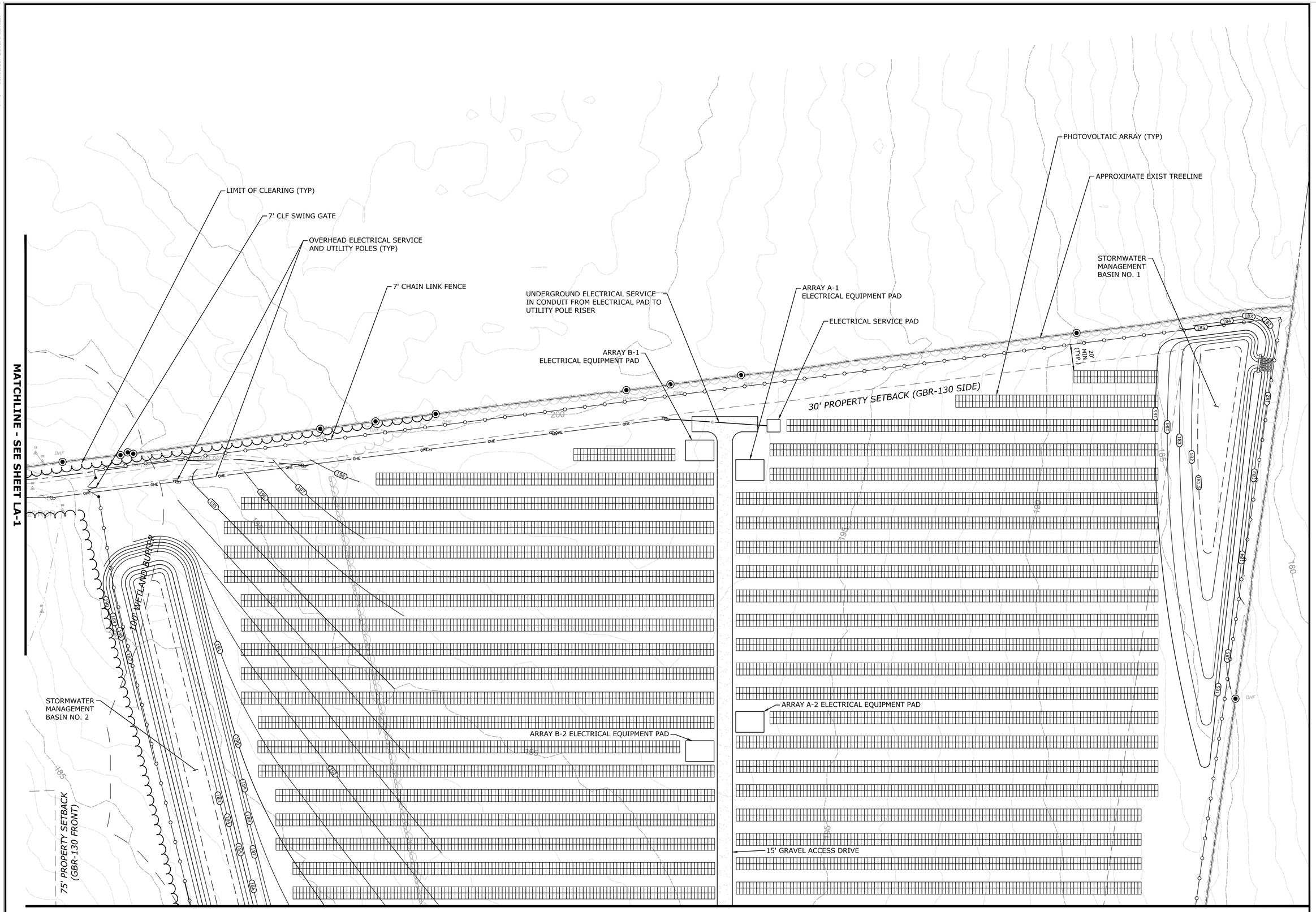

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TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
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SCALE: 1"=40'

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 09 OF 17

SHEET NAME: LA-2

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MATCHLINE - SEE SHEET LA-2

STORMWATER MANAGEMENT BASIN NO. 2

LIMIT OF CLEARING (TYP)

ARRAY B-3 ELECTRICAL EQUIPMENT PAD

ARRAY A-3 ELECTRICAL EQUIPMENT PAD

EXIST SHED TO REMAIN

20' MIN. (TYP.)

MYSTIC POWER COMPANY
EASEMENT
DEED 65~500
20' WIDE RIGHT TO CUT TREES
40' WIDE RIGHT TO CUT BRUSH
NON-ACTIVE LINE,
LINES DISCONNECTED AT
TAUGWONK SPUR

7' CLF SWING GATE

7' CHAIN LINK FENCE (TYP)

REMOVE EXIST STONE WALL
WITHIN ARRAY FIELD

75' PROPERTY SETBACK (GBR-130 FRONT)

100' WETLAND BUFFER

100' PROPERTY SETBACK (GBR-130 REAR)

15' GRAVEL ACCESS DRIVE

PERMANENT SOIL STOCKPILE
12% MAX SLOPE

LOCUS
84-1-2
TAUGWONK SPUR ROAD
N/F
WAYNE T. ROBINSON
DEED 759~1049
DEED 759~1052
DEED 759~1054
PLAN 1652
PLAN 3241

AREA = 84.2 AC. ±

61-1-1
PEQUOT TRAIL
N/F
STEPHEN I. NICHOLS IRREVOCABLE TRUST
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MATCHLINE - SEE SHEET LA-4

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SITE LAYOUT & GRADING PLAN

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GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

SCALE: 1"=40'

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 10 OF 17

SHEET NAME: LA-3

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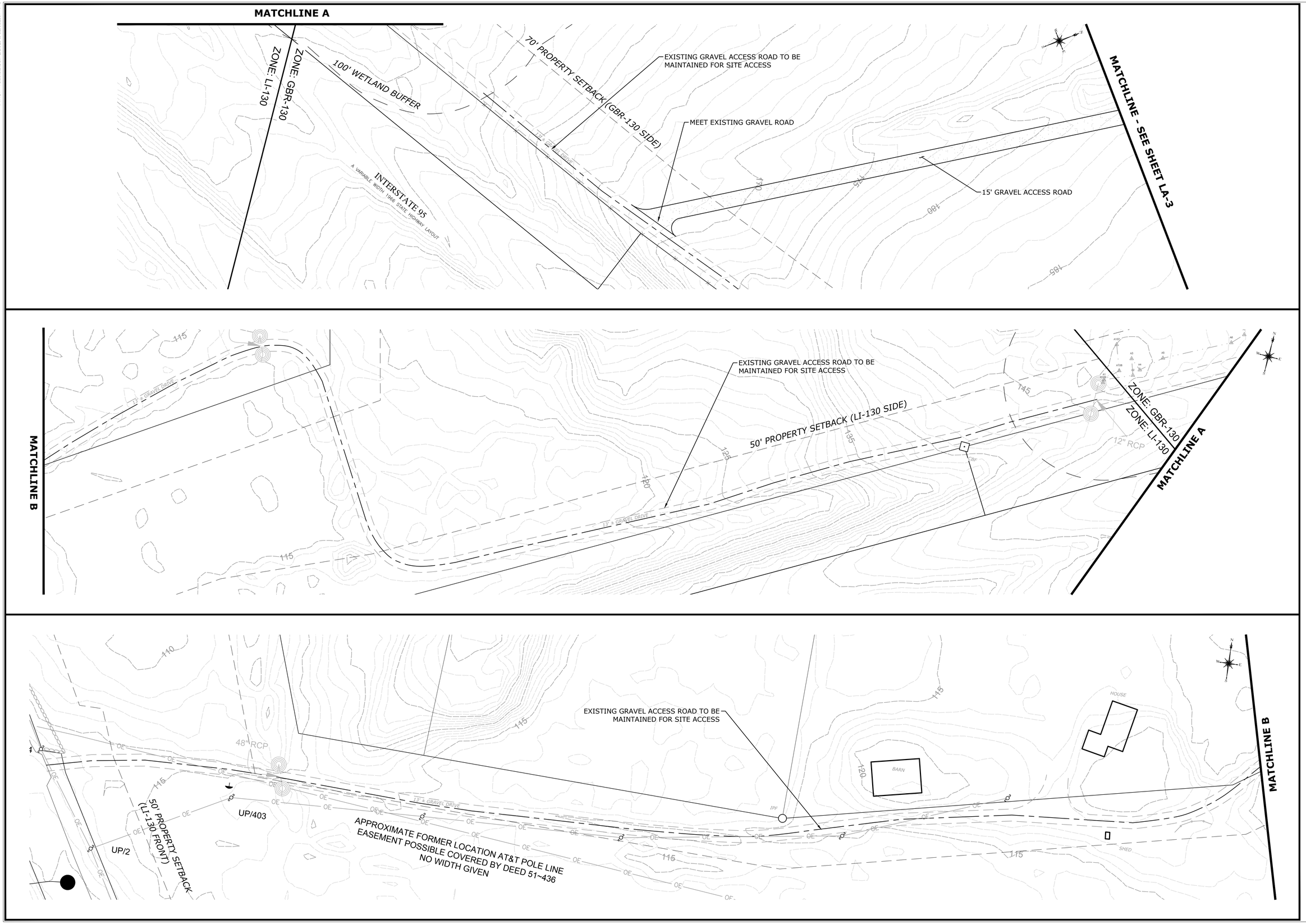

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SPRINGFIELD, MA
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DESCRIPTION	DATE	BY

SITE LAYOUT & GRADING PLAN

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

SCALE: 1"=40'

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 11 OF 17

SHEET NAME: LA-4

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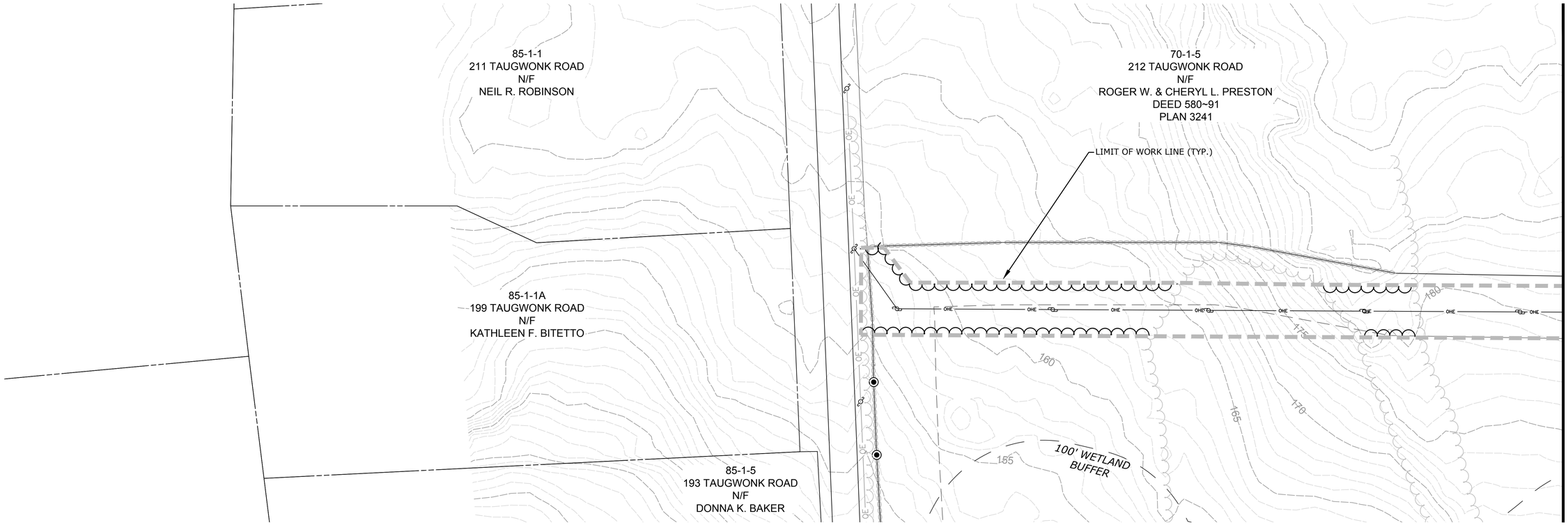

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SPRINGFIELD, MA
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DESCRIPTION	DATE	BY

SEDIMENT & EROSION CONTROL PLAN

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

SCALE: 1"=40'

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 12 OF 17

SHEET NAME: SE-1

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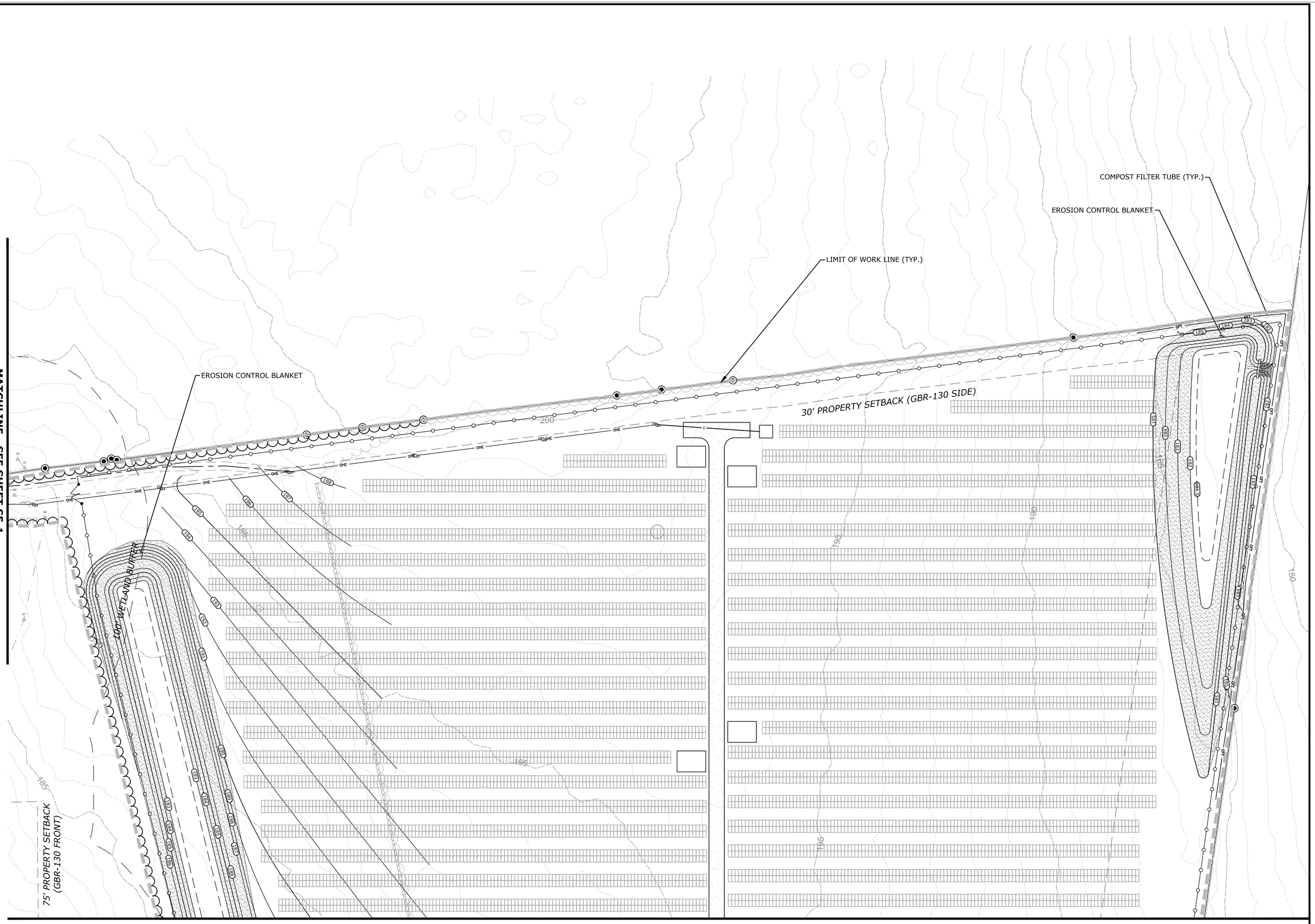

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SEDIMENT & EROSION CONTROL PLAN

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

SCALE: 1"=40'

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 13 OF 17

SHEET NAME: SE-2

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MATCHLINE - SEE SHEET SE-2

EROSION CONTROL BLANKET

TEMPORARY SOIL STOCKPILE

COMPOST FILTER TUBE (TYP.)

SILT FENCE (TYP.)

CONSTRUCTION ENTRANCE PAD

75' PROPERTY SETBACK (GBR-130 FRONT)

100' WETLAND BUFFER

100' PROPERTY SETBACK (GBR-130 REAR)

MYSTIC POWER COMPANY
EASEMENT
DEED 65~500
20' WIDE RIGHT TO CUT TREES
40' WIDE RIGHT TO CUT BRUSH
NON-ACTIVE LINE,
LINES DISCONNECTED AT
TAUGWONK SPUR

EQUIPMENT LAYDOWN AREA

LOCUS
84-1-2
TAUGWONK SPUR ROAD
N/F
WAYNE T. ROBINSON
DEED 759~1049
DEED 759~1052
DEED 759~1054
PLAN 1652
PLAN 3241

AREA = 84.2 AC. ±

PERMANENT SOIL STOCKPILE
12% SLOPE MAX. PLACE TOPSOIL
AND SEED UPON COMPLETION.

61-1-1
PEQUOT TRAIL
N/F
STEPHEN I. NICHOLS IRREVOCABLE TRUST
DEED 583~626

MATCHLINE - SEE SHEET SE-4

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STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

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SCALE: 1"=40'

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 14 OF 17

SHEET NAME: SE-3

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0' 20' 40'
0 1/2" 1"

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SEDIMENT & EROSION CONTROL PLAN

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GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

1"=40'
SCALE

AUGUST 19, 2019
DATE

6763-05
PROJECT NO.

15 OF 17
SHEET NO.

SE-4
SHEET NAME

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SEDIMENT & EROSION CONTROL SPECIFICATIONS

GENERAL:

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION, AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATER BODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES, AND WATER BODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

LAND GRADING:

THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

a. THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

b. THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

c. THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO TWO VERTICAL (1:2).

d. PROVISIONS SHOULD BE INCLUDED TO CONVEY SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.

e. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE INTO ADJACENT WETLANDS, WATERCOURSES, OR WATER BODIES.

f. PRIOR TO ANY RE-GRADING, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

TOPSOILING:

TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.

UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.

REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.

APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.

MATERIAL:

1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
3. TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL AND MUST BE FREE OF STONES (OVER 1" IN DIAMETER), LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, NUTGRASS, AND QUACKGRASS.
4. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.
5. SOLUBLE SALT CONTENT OF OVER 500 PARTS PER MILLION (PPM) IS LESS SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT AND SULFUR ACIDITY.
6. THE pH SHOULD BE MORE THAN 6.0. IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL.

APPLICATION:

1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST SIX INCHES (6"), OR TO THE DEPTH SHOWN ON THE PLANS.

TEMPORARY VEGETATIVE COVER:

TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS BEEN COMPLETED, AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS. TEMPORARY VEGETATIVE COVER SHALL BE APPLIED IF AREAS WILL NOT BE PERMANENTLY SEEDED BY SEPTEMBER 1.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF ONE (1) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQ. FT.).
4. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10-10-10 PER ACRE (7 LBS. PER 1,000 SQ. FT.) AND SECOND APPLICATION OF 200 LBS. OF 10-10-10 (5 LBS. PER 1,000 SQ. FT.) WHEN GRASS IS FOUR INCHES (4") TO SIX INCHES (6") HIGH. APPLY ONLY WHEN GRASS IS DRY.
5. UNLESS HYDROSEEDED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

ESTABLISHMENT:

1. SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
2. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
3. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EQUIPMENT.
4. MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. (REFER TO TEMPORARY OR PERMANENT VEGETATIVE COVER REQUIREMENTS.) APPLY STRAW MULCH AND ANCHOR TO SLOPES GREATER THAN 3% OR WHERE CONCENTRATED FLOW WILL OCCUR.

PERMANENT VEGETATIVE COVER:

PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF, AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR:
   - SPRING SEEDING: WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS. OF 10-10-10 FERTILIZER PER ACRE (7 LBS. PER 1,000 SQ. FT.); THEN SIX (6) TO EIGHT (8) WEEKS LATER, APPLY ON THE SURFACE AN ADDITIONAL 300LBS. OF 10-10-10 FERTILIZER PER ACRE. AFTER SEPTEMBER 1, TEMPORARY VEGETATIVE COVER SHALL BE APPLIED.
   - FALL SEEDING: WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS. OF 10-10-10 FERTILIZER PER ACRE (14 LBS. PER 1,000 SQ. FT.).

EROSION CHECKS:

GENERAL:

TEMPORARY PERVIOUS BARRIERS USING GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, COMPOST FILTER TUBE HELD IN PLACE WITH STAKES, AND EROSION CONTROL BLANKET SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

CONSTRUCTION:

GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF FOUR INCHES (4") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP MINIMUM OF TWO FEET (2').

COMPOST FILTER TUBES SHOULD BE PLACED WITH A MINIMUM OVERLAP OF THREE FEET (3') OR SLEEVED TO JOIN IN A CONTINUOUS BARRIER. COMPOST TUBES SHALL BE TAMPED IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE.

COMPOST TUBES SHALL BE STAKED OR LEANED AGAINST SUPPORTS ON SLOPES 2:1 OR GREATER. STAKES SHALL BE LOCATED AS REQUIRED TO SECURE TUBES IN PLACE UP TO FIVE FEET (5') APART. COMPOST TUBES SHALL BE PLACED AS CLOSE TO THE LIMITS OF SOIL DISTURBANCE AS POSSIBLE.

INSTALLATION AND MAINTENANCE:

1. GEOTEXTILE FENCE, EROSION CONTROL BLANKET AND COMPOST FILTER TUBE SHALL BE INSTALLED AT THE LOCATIONS INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
2. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
3. INSPECTIONS SHALL BE FREQUENT (AT MINIMUM EVERY 7 CALENDAR DAYS AND AFTER EVERY RAINFALL EVENT GREATER THAN ONE HALF INCH) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER FLOW OR DRAINAGE.

VEGETATIVE COVER SELECTION & MULCHING:

TEMPORARY VEGETATIVE COVER:

PERENNIAL RYEGRASS 3 LBS./1,000 SQ.FT. (IOLUIUM PERENNE)

PERMANENT VEGETATIVE COVER:

1. NEW ENGLAND CONSERVATION/WILDLIFE MIX OR EQUAL:

   RECOMMENDED APPLICATION RATE: 1 POUND PER 1,750 SF
   SEED MIX SPECIES: Virginia Wild Rye (Elymus virginicus), Little Bluestem (Schizachyrium scoparium), Big Bluestem (Andropogon gerardii), Creeping Red Fescue (Festuca rubra), Switch Grass (Panicum virgatum), Partridge Pea (Chamaecrista fasciculata), Deer Tongue (Panicum clandestinum), Indian Grass (Sorghastrum nutans), Ox Eye Sunflower (Heliopsis helianthoides), Common Milkweed (Asclepias syriaca), Spotted Joe Pye Weed (Eupatorium maculatum), Grass Leaved Goldenrod (Euthamia graminifolia), Blue Vervain (Verbena hastata), New England Aster (Aster novae-angliae), Early Goldenrod (Solidago juncea).

2. TEMPORARY MULCHING: STRAW AT 70-90 LBS./1,000 SQ.FT. (TEMPORARY VEGETATIVE AREAS) WOOD FIBER IN HYDROMULCH SLURRY 25-50 LBS./1,000 SQ. FT.

ESTABLISHMENT:

1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
2. SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (REFER TO TEMPORARY OR PERMANENT VEGETATIVE COVER REQUIREMENTS).
3. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
4. COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (REFER TO TEMPORARY OR PERMANENT VEGETATIVE COVER REQUIREMENTS).
6. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.
7. THE USE OF SOD IS AN ACCEPTABLE ALTERNATIVE WHERE THERE IS A HEAVY CONCENTRATION OF WATER AND IN CRITICAL AREAS WHERE IT IS IMPORTANT TO GET A QUICK VEGETATIVE COVER TO PREVENT EROSION.

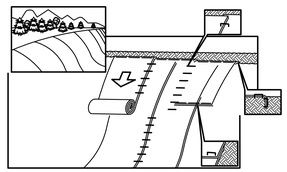
MAINTENANCE:

1. TEST FOR SOIL ACIDITY EVERY THREE (3) YEARS AND LIME AS REQUIRED.
2. ON SITES WHERE GRASSES PREDOMINATE, BROADCAST ANNUALLY 500 POUNDS OF 10-10-10 FERTILIZER PER ACRE (12 LBS. PER 1,000 SQ. FT.) OR AS NEEDED ACCORDING TO ANNUAL SOIL TESTS.
3. ON SITES WHERE LEGUMES PREDOMINATE, BROADCAST EVERY THREE (3)YEARS OR AS INDICATED BY SOIL TEST 300 POUNDS OF 0-20-20 OR EQUIVALENT PER ACRE (8 LBS PER 1,000 SQ. FT.).

CONSTRUCTION SEQUENCE & SCHEDULE

CONSTRUCTION WILL OCCUR IN TWO PHASES. PHASE ONE IS ANTICIPATED TO COMMENCE IN FEBRUARY 2020 AND WILL LAST APPROXIMATELY THREE MONTHS. PHASE TWO WILL COMMENCE ON A DATE TO BE DETERMINED. THE GENERAL SEQUENCE OF CONSTRUCTION IS AS FOLLOWS:

1. STAKE OUT THE LIMIT OF WORK. NO DISTURBANCE IS TO TAKE PLACE BEYOND THE LIMITS OF WORK SHOWN.
2. INSTALL S&E CONTROLS FOR SITE CLEARING ACTIVITIES AS SHOWN ON THE DRAWINGS.
3. CLEAR AND GRUB THE WOODED AREA OF THE SITE WITHIN THE LIMITS SHOWN ON THE PLANS (PHASE TWO ONLY).
4. CONSTRUCT THE STORMWATER MANAGEMENT BASIN, OUTLET WEIR WALL, AND APPURTENANCES.
5. ANY DISTURBED SLOPES ARE TO BE ESTABLISHED TO FINISHED GRADE WITH PLACEMENT OF TOPSOIL BEFORE PV ARRAY RACKING INSTALLATION. STABILIZE ALL SLOPES OUTSIDE OF THE PV ARRAY COMPOUND AREA WITH TOPSOIL AND SEED. INSTALL EROSION CONTROL BLANKET AS SHOWN ON THE DRAWINGS.
6. INSTALL PV SOLAR PANEL ARRAYS, ELECTRICAL COMPONENTS, CONDUIT, AND PERIMETER FENCING.
7. REMOVE S&E CONTROLS ONCE ALL DISTURBED AREAS HAVE COMPLETELY STABILIZED.



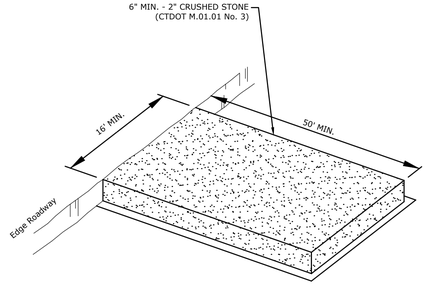
NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING SCC225, DO NOT SEED PREPARED AREA. SCC225 MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAP AREA, APPROXIMATELY 12" APART.

REFER TO GENERAL STAPLE PATTERN GUIDE IN NORTH AMERICAN GREEN CATALOG FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

APPLICATION OF EROSION CONTROL BLANKET ON SLOPES

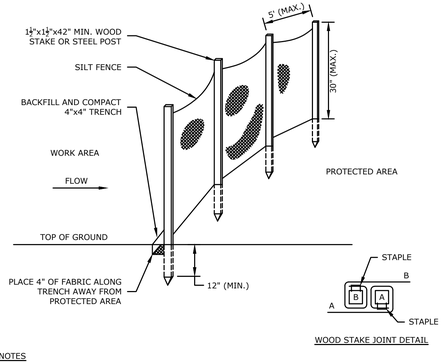
NOT TO SCALE



NOTE: STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH PROMOTE VEHICULAR TRACKING OF MUD

CONSTRUCTION ENTRANCE PAD

NOT TO SCALE



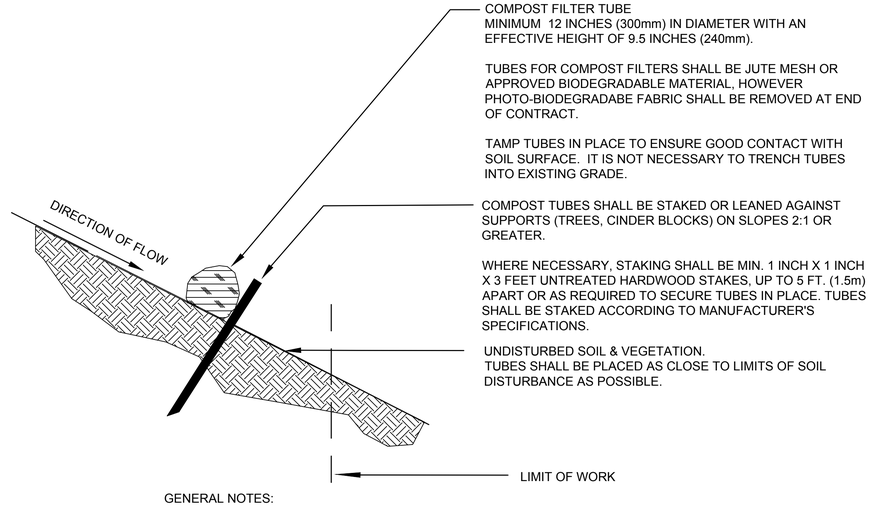
WOOD STAKE JOINT DETAIL

GENERAL NOTES

1. FOR SLOPE & SWALE INSTALLATIONS, EXTEND FENCE UP SLOPE SUCH THAT BOTTOM ENDS OF FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF FENCE.
2. FOR FENCE INSTALLED ON LEVEL TERRAIN INSTALL WING SECTIONS PERPENDICULAR TO MAIN BARRIER AT 50'-100' INTERVALS.

SILT FENCE BARRIER

NOT TO SCALE



GENERAL NOTES:

1. PROVIDE A MINIMUM TUBE DIAMETER OF 12 INCHES (300mm) FOR SLOPES UP TO 50 FEET (15.24m) IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SITUATIONS WITH LONGER OR STEEPER SLOPES.
2. INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
3. TUBE LOCATION MAY BE SHIFTED TO ADJUST TO LANDSCAPE FEATURES, BUT SHALL PROTECT UNDISTURBED AREA AND VEGETATION TO MAXIMUM EXTENT POSSIBLE.
4. DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
5. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER.
6. ADDITIONAL STAKING SHALL BE USED AT THE DIRECTION OF THE ENGINEER.

COMPOST FILTER TUBE

NOT TO SCALE

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DESCRIPTION	DATE	BY

SITE DETAILS

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG	HMM	MRG
DESIGNED	DRAWN	CHECKED

N.T.S. (SCALE)

AUGUST 19, 2019 (DATE)

6763-05 (PROJECT NO.)

16 OF 17 (SHEET NO.)

SD-1 (SHEET NAME)

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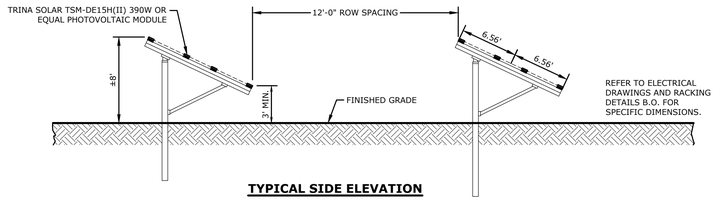
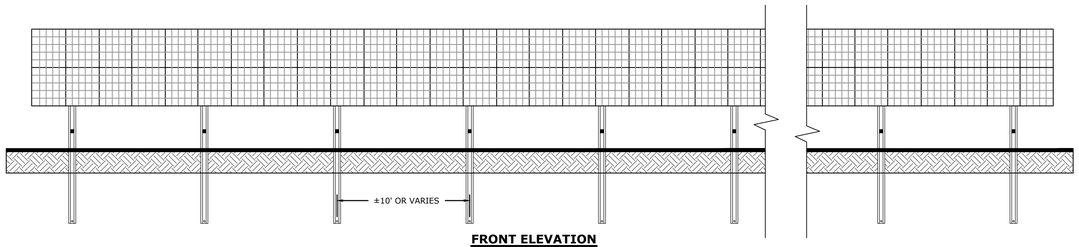


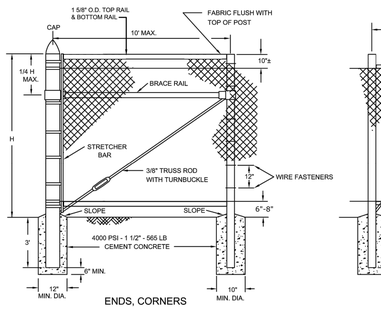
TYPICAL SIDE ELEVATION



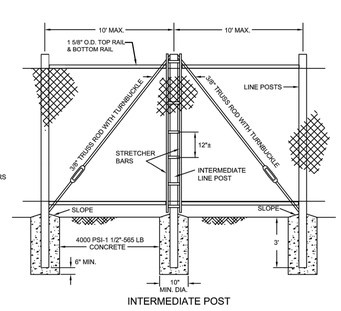
FRONT ELEVATION

PHOTOVOLTAIC ARRAY

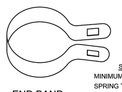
NOT TO SCALE



ENDS, CORNERS



INTERMEDIATE POST



END BAND

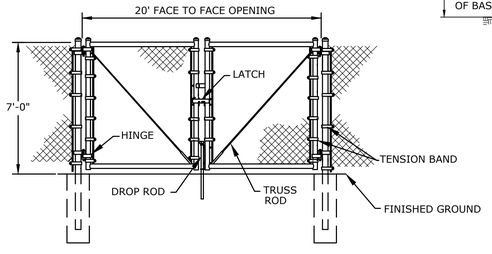
SPRING TENSION WIRE
MINIMUM OF (5) TURNS AROUND THE
SPRING TENSION WIRE TO END INSTALLATION.
ALL BANDS SHALL BE ROUND ON ROUND POSTS.

NOTES:

1. FABRIC FOR FENCES 4' OR LESS IN HEIGHT: TOP SELVAGE TO HAVE KNUCKLED FINISH. BOTTOM SELVAGE TO HAVE TWISTED AND BARBED FINISH UNLESS OTHERWISE NOTED.
   FABRIC FOR FENCES 5' OR OVER IN HEIGHT: BOTH TOP AND BOTTOM SELVAGE TO HAVE TWISTED AND BARBED FINISH UNLESS OTHERWISE NOTED.
2. GRADE OF FENCE TO BE PARALLEL WITH THE GRADE OF SIDEWALKS, CURBING, GROUND OR TOP OF WALL.
3. INTERMEDIATE POST INTERVALS NOT TO EXCEED 500 FEET.
4. FOR DESCRIPTION, MATERIALS AND CONSTRUCTION METHODS, SEE STANDARD SPECIFICATIONS.
5. SPRING TENSION WIRE TO BE FASTENED TO FABRIC WITH 11 GAUGE HOG RINGS AT 1' INTERVALS.
6. SPRING TENSION WIRE TO BE FASTENED TO LINE POSTS WITH CLIPS.
7. LINE POSTS TO BE DRIVEN EXCEPT WHERE NOTED ABOVE.

7' HIGH CHAIN LINK FENCE

NOT TO SCALE



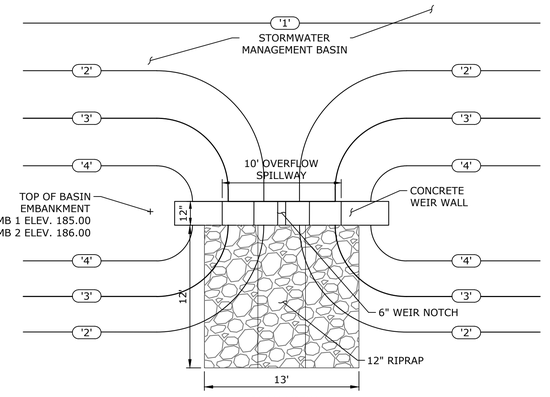
CHAIN LINK SWING GATE

NOT TO SCALE

NOTE: SIGN SHALL HAVE OVERALL DIMENSIONS OF 18" x 12".

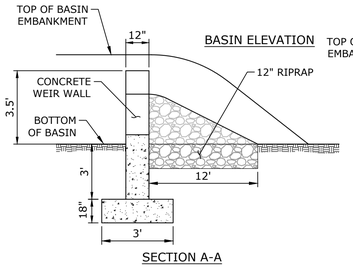
NO TRESPASSING SIGN

NOT TO SCALE

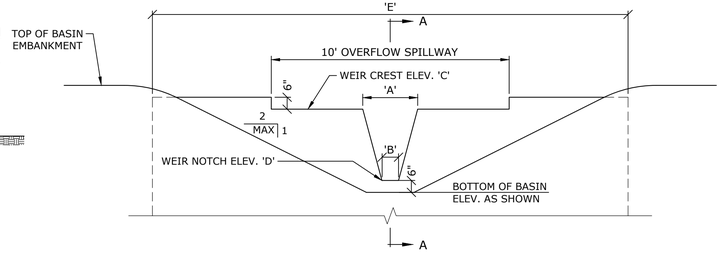


Contour	SMB-1	SMB-2
'1'	182.0	183.0
'2'	183.0	184.0
'3'	184.0	185.0
'4'	185.0	186.0

PLAN VIEW



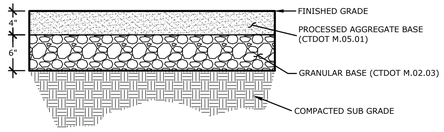
SECTION A-A



WEIR WALL SCHEDULE					
BASIN ID	'A'	'B'	ELEV 'C'	ELEV 'D'	'E'
SMB-1	3'-3 5/8"	0'-8 3/8"	184.50	182.00	18'
SMB-2	1'-10 1/16"	0'-6"	185.50	183.00	18'

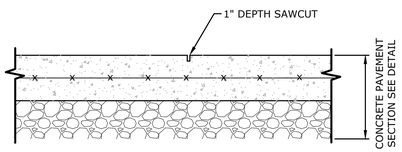
OUTLET WEIR WALL

NOT TO SCALE



SECTION - PROPOSED GRAVEL DRIVE

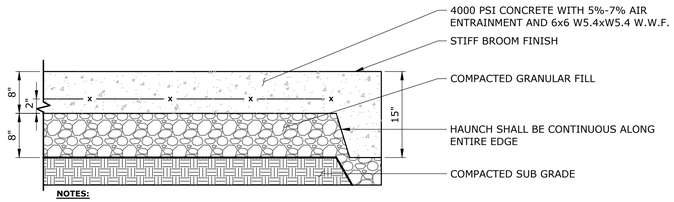
NOT TO SCALE



NOTES:

1. PROVIDE PREFORMED EXPANSION JOINT AT ALL CONSTRUCTION JOINT, EXPANSION CONTROL JOINT, SAWCUT, AND OTHER LOCATIONS WHERE CONCRETE ABUTS EXISTING CONCRETE.

SCORE JOINT - SAWCUT

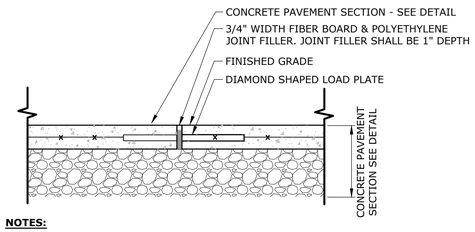


NOTES:

1. EXPANSION JOINTS EVERY 20LF MAXIMUM OR EVERY 144SF UNLESS OTHERWISE INDICATED ON PLANS (SEE JOINT DETAILS)
2. SCORE JOINTS 5' ON CENTER UNLESS OTHERWISE INDICATED ON PLANS.

CONCRETE UTILITY PAD

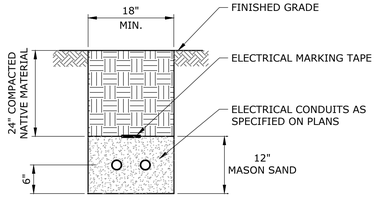
NOT TO SCALE



NOTES:

1. PROVIDE PREFORMED EXPANSION JOINT AT ALL CONSTRUCTION JOINT, SAWCUT, AND OTHER LOCATIONS WHERE CONCRETE ABUTTS EXISTING CONCRETE.

CEMENT CONCRETE EXPANSION JOINT



ELECTRICAL CONDUIT TRENCH

NOT TO SCALE

MILONE & MACBROOM
1350 MAIN STREET, SUITE 1912
SPRINGFIELD, MA.
413.241.6920
WWW.MMINC.COM

DESCRIPTION	DATE	BY

SITE DETAILS

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC

TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
MRG	HMM	MRG

SCALE: N.T.S.

DATE: AUGUST 19, 2019

PROJECT NO.: 6763-05

SHEET NO.: 17 OF 17

SHEET NAME: SD-2

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