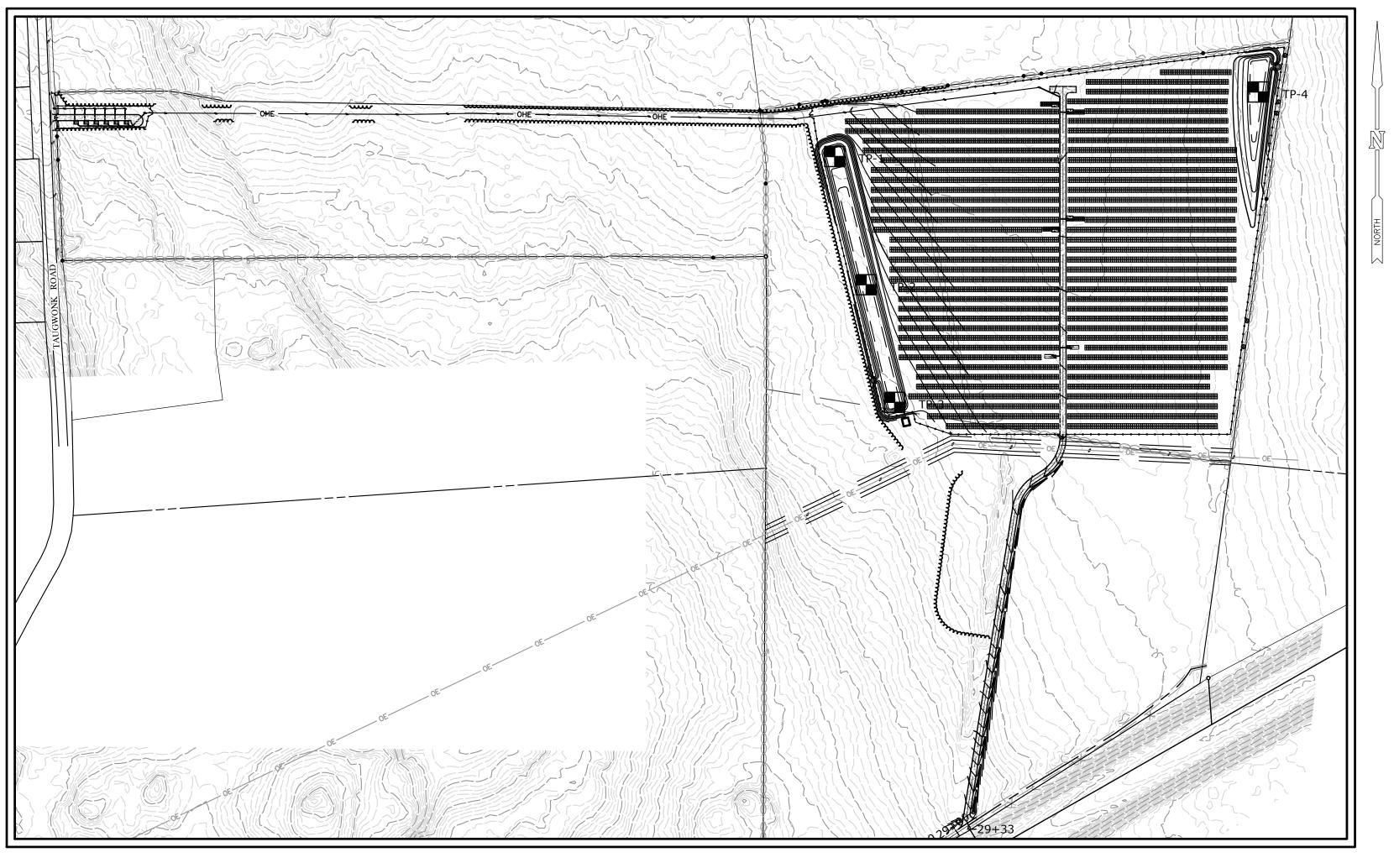
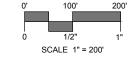
STONINGTON PV SOLAR FACILITY GREENSKIES RENEWABLE ENERGY, LLC

35 TAUGWONK SPUR ROAD STONINGTON, CONNECTICUT CONSTRUCTION DRAWINGS

MMI PROJECT No. 6763-05 MARCH 25, 2020

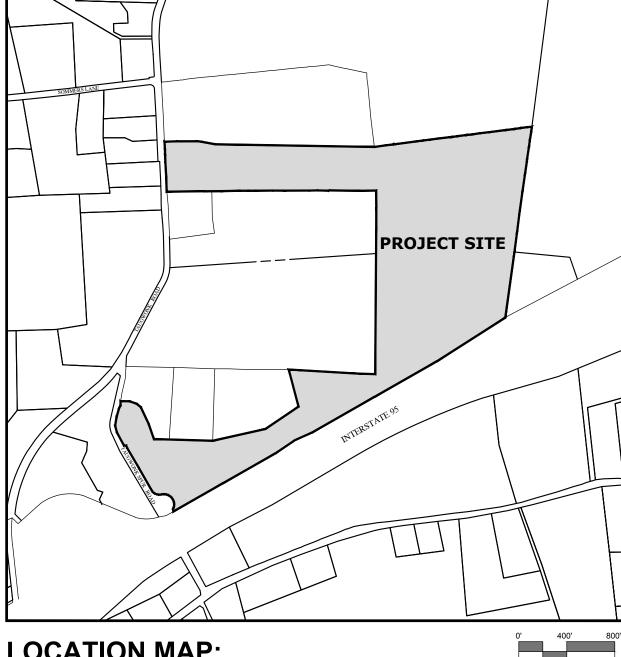


PROJECT SITE VICINITY MAP:



PREPARED BY:





LOCATION MAP:

PREPARED FOR:



180 JOHNSON STREET MIDDLETOWN, CT 06457

LIST OF DRAWINGS

<u> </u>	OI DIXA	<u> </u>
NO.	NAME	TITLE
01		TITLE SHEET
02	LD	LEGEND & NOTES
03	IN	INDEX SHEET
04 - 05	BL-1 - BL-2	BORING LOGS
06 - 09	EX-1 - EX-4	EXISTING CONDITIONS PLANS
10 - 13	LA-1 - LA-4	SITE LAYOUT & GRADING PLANS
14 - 17	SE-1 - SE-4	SEDIMENT & EROSION CONTROL PLAN
18 - 21	SD-1 - SD-4	MISCELLANEOUS SITE DETAILS



- 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. A MAJORITY OF THE PROJECT, INCLUDING THE ENTIRE PV ARRAY FIELD, STORMWATER MANAGEMENT BASINS, AND GRADING, ARE LOCATED WITHIN THE GBR-130 ZONING DISTRICT. WORK IN THE LI-130 ZONING DISTRICT CONSISTS OF WORK ASSOCIATED WITH THE NORTHERLY INTERCONNECTION TO TAUGWONK ROAD AND MAINTENANCE OF THE EXISTING GRAVEL ACCESS ROAD.
- 8. BORINGS BY MILONE & MACBROOM, INC. WERE PERFORMED BY SITE, LLC ON NOVEMBER 21, 2019 AND NOVEMBER 22, 2019. THE LOCATIONS OF THE BORINGS WERE DETERMINED BY GPS. THESE LOCATIONS SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

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 — · · · — · <u>·</u> · <u>·</u> · · · —
WETLAND BUFFER	100' WETLAND BUFFER
LOCUS PROPERTY LINE	
ABUTTERS LINE	
EASEMENT LINE	
OVERHEAD WIRES	OE
STONE WALL	
WIRE FENCE	X
WIRE FENCE NOW OR FORMERLY	
ASSESSOR'S ID IRON PIPE FOUND	84-1 -2
CONC. BOUND FOUND	□ CBF
DRILL HOLE FOUND	DHF
CALCULATED POINT	A
UTILITY POLE	Ŕ
GUY WIRE ANCHOR	+
PIPE INLET OR OUTLET	6

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.

GRADING NOTES

THE RESHAPING OF THE GROUND SURFACE WITH EXCAVATION AND FILLING OR A COMBINATION OF, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE WITH 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.

SITE LAYOUT LEGEND

PROPOSED MAJOR CONTOUR	
PROPOSED MINOR CONTOUR	<u></u>
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	. ⊙
BORING BY MMI	•
	MM-1

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.

SEDIMENT & EROSION LEGEND

SILT FENCE	SF
SILT FENCE & STAKED STRAW BALES	SF
COMPOST FILTER TUBE	CFT
LIMIT OF CLEARING	.~~~~.
CONSTRUCTION ENTRANCE PAD	
TIMBER SWAMP MAT	

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
DEAD	100 ET

NOTES:

MAX HEIGHT

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.

30 FT

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.

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.

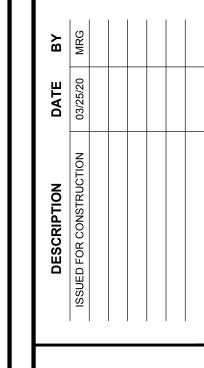
	PHASE II	PHASE I	
ARRAY B1 ———————————————————————————————————			ARRAY A1
ARRAY B2			ARRAY A2
ARRAY B3			*PHASE I ALSO INCLUDES CONSTRUCTION OF THE ACCESS ROAD, OVERHEAD ELECTRICAL SERVICE AND INTERCONNECTION
	PHASIN	G PLAN	

PV SOLAR SYSTEM SPI	ECIFICATIONS
Module manufacturer/model:	CANADIAN SOLA CS3U-360PB-AC CS3W-400PB-A MODULE
Module output (Watts):	360 & 40
System DC/AC Ratio:	1.2
Module tilt angle:	2
Azimuth:	
Min Row Spacing (FT):	1
Racking:	Fixed tilt, 2x5 Portrait, Post- driven Racking
PHASE-1	
Array A1	
No. Modules:	3,30
Array Output (KW-DC):	1,254.2
Array Output (KW-AC):	1,000.0
Array A2	
No. Modules:	3,27
Array Output (KW-DC):	1,243.8
Array Output (KW-AC):	1,000.0
Array A3	
No. Modules:	1,66
Array Output (KW-DC):	632.3
Array Output (KW-AC):	500.0
Phase-1 Output (KW-DC):	3,130.4
Phase-1 Output (KW-AC):	2,500.0
PHASE-2	
Array B1	
No. Modules:	3,22
Array Output (KW-DC):	1,223.0
Array Output (KW-AC):	1,000.0
Array B2	
No. Modules:	3,04
Array Output (KW-DC):	1,151.2
Array Output (KW-AC):	980.0
Array B3	
No. Modules:	1,56
Array Output (KW-DC):	590.7
Array Output (KW-AC):	500.0
Phase-2 Output (KW-DC):	2,965.0
Phase-2 Output (KW-AC):	2,480.0









STONINGTON PV SOLAR FACILITY GREENSKIES RENEWABLE ENERGY, LLC 35 TAUGWONK SPUR ROAD

MRG HMM MRA
DESIGNED DRAWN CHECKED

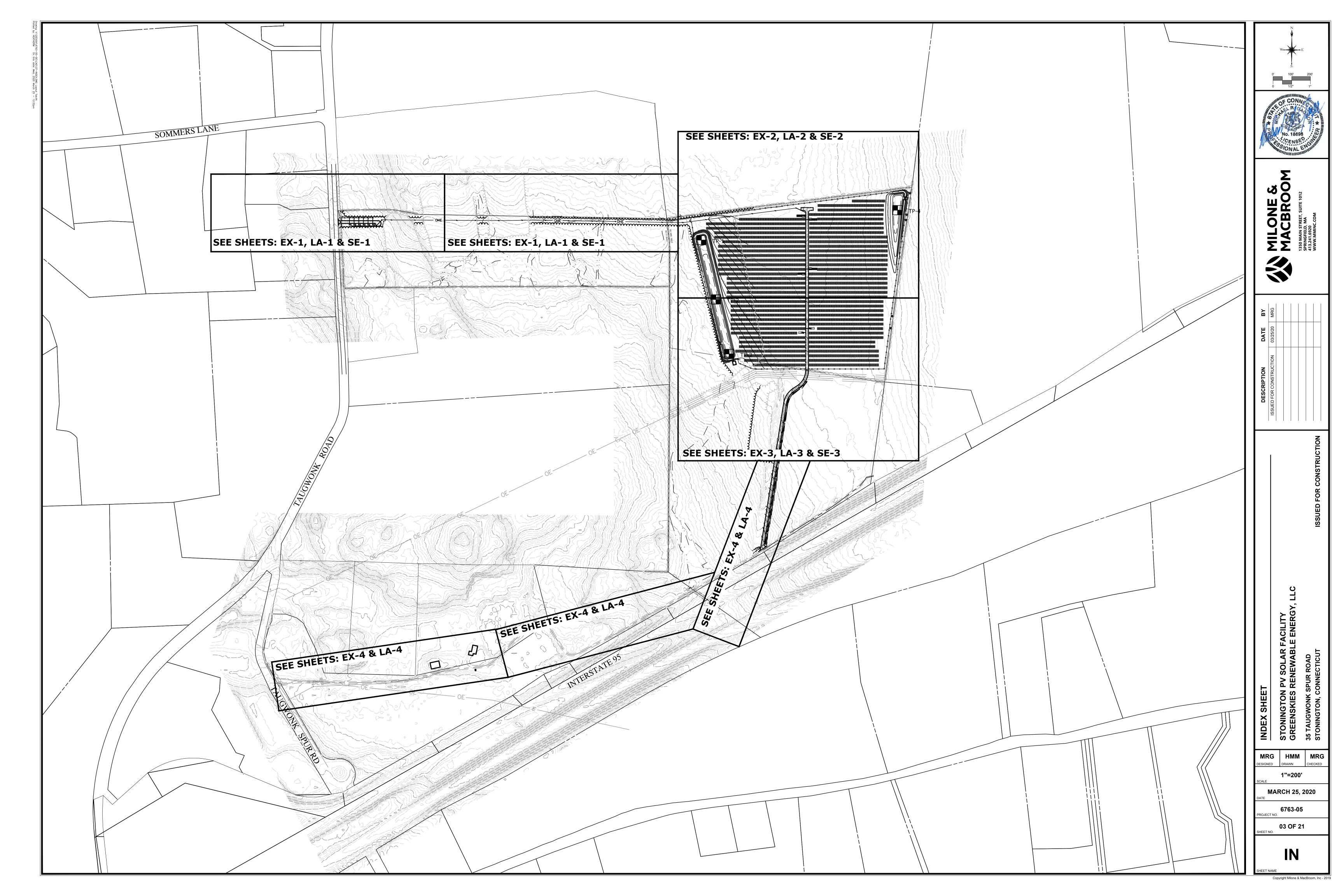
N.T.S.
SCALE

MARCH 25, 2020
DATE

6763-05
PROJECT NO.

02 OF 21
SHEET NO.

Copyright Milone & MacBroom, In



DCATION: 35 TAUGWOOK SPUR ROAD. STONINGTON, CT CONTRACTOR: STIT, LLC	400	MILO		PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-1	SHEET	Γ: 1 of 1	
99 Reality Drive Cheminic C10840) Cheminic C10840 CONSTRUCTOR CON	火	MACE	NE &					N CT					
CHINT: GROUND SURFACE ELLVATION: 1925 GROUND SURFACE ELLVATION: 1925 TYPE OF RIG:						IK SI OK KOAD	, 310141140101	14, 61					
DATE NOVEMBER 21, 2019 GROUND SURFACE ELEVATION: ±192.5		_				DENIEWA DI E EN	JEDGY II.C						
Name							VERGY, LLC				22.51		
HSA				-			ı				92.5	TYPE OF DIG.	
D (IN.) 2 1/4 -		IENT:							OUNDWATER D	ЕРТН (FT.)			
WT (IB.)	E							TIME		WATER DEPTH			MMER
Application Company			2 1/4	-			2019-11-21			±2.0'		RIG MODEL:	
SAMPLE RECOVERY BLOWS NUMBER RECOVERY NO PER 6" SUBJECTION PER 6" SUBJECTION PER 6" SIL CLOSE, TO STORY SOTE MAY NOT THE TO STORY SOTE MAY NOT THE TO EXCORAGE SAVEN IN EACH OF THE TOWN SOTE SAVEN IN COLOR SOTE SAVEN IN COL	R. W	/T (LB.)	-	-	140	-						CME-55 LCX	
1 S-1 20 1 S-1: Loose, Top 10°: Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots. Bottom 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel, and the state Roots. Bottom 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel, trace fine Gravel, trace Roots. Bottom 8°: Gray, fine to coarse SAND, little fine to coarse Gravel. S-2 Medium dense, Top 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel. S-2 Medium dense, Top 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel. S-2 Medium dense, Top 10°: Light brown, fine to coarse SAND, little fine to coarse Gravel. S-3 S-2 Medium dense, Gray, fine to coarse SAND, little fine to coarse Gravel. S-3 S-3 S-3 S-3: Medium dense, Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. S-4 S-4 S-4 S-5 S-4: Very dense, Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. GLACIAL TILL GLACIAL TILL GLACIAL TILL GLACIAL TILL S-5 S-5 TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5 TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-6: TO S-6: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-7: TO S-6: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-7: TO S-6: Very d	R. F	ALL (IN.)	-	-	30	-							
1 S-1 20 1 S-1: Loose, Top 10°: Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots. Bottom 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel, and the state Roots. Bottom 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel, trace fine Gravel, trace Roots. Bottom 8°: Gray, fine to coarse SAND, little fine to coarse Gravel. S-2 Medium dense, Top 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel. S-2 Medium dense, Top 10°: Light brown, fine to medium SAND and SILT, trace fine Gravel. S-2 Medium dense, Top 10°: Light brown, fine to coarse SAND, little fine to coarse Gravel. S-3 S-2 Medium dense, Gray, fine to coarse SAND, little fine to coarse Gravel. S-3 S-3 S-3 S-3: Medium dense, Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. S-4 S-4 S-4 S-5 S-4: Very dense, Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. GLACIAL TILL GLACIAL TILL GLACIAL TILL GLACIAL TILL S-5 S-5 TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5 TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-5: TO S-5: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-6: TO S-6: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-7: TO S-6: Very dense, Gray, fine to coarse SAND, little fine Gravel, little Silt. S-7: TO S-6: Very d	pth T)				BUF						DEPTH (FT.)		ELEV.
S-1 20 1 trace Roots Bottom 10: Light brown, fine to medium SAND and SILT, trace fine Gravel, 1.0" 1.0				1	S-1: Loose, To	p 10": Dark bro	own, fine to co	arse SAND,	some Silt, trace	fine Gravel,		TORSOU	_
4 4 5 2.2 Medium dense, Top 16°: Light brown, fine to medium SAND and SILT, trace fine 6 6 5-2: Medium dense, Top 16°: Light brown, fine to medium SAND and SILT, trace fine 6 9 Gravel, trace Roots. Bottom 8°: Gray, fine to coarse SAND, little fine to coarse Gravel, 111 11 11 11 11 11 11 11 11 11 11 11 1	1	S-1	20		-	ottom 10": Lig	ht brown, fine	to medium :	SAND and SILT,	trace fine Gravel,	1.0'	10P3UIL	191.5
6 S-2 Medium dense, top 16°; Light brown, fine to medium SAND and SILT, trace fine SUBSOIL 12 12 11 11 15 12 11 11					trace Roots.						2.0'	G.W.T ▼ 190	
## 12 This Sit. This Sit.	2				_		-						
S - 3 2 13 12 12 13 12 12 1	3	S-2	24		-1	Roots. Bottom	8": Gray, fine to	o coarse SAI	ND, little fine to	coarse Gravel,	3.0'		189.5
6 S-3 2 13 12 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					intile Silt.								
6 S-3 2 13 12 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4												
6 S-3 2 13 12 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5			12	S-3: Medium	dense, grav, fin	ne to coarse SA	AND, little Sil	t, trace fine Gra	vel.			
12 7 7 8 9 9 9 9 9 9 9 9 9	6	S-3	2	13		, 5, ,		,	,				
S-4 22 21 29 50/4"	Ĭ	3 3	_]								
GLACIAL TILL 17	7			/									
GLACIAL TILL 17	g												
GLACIAL TILL 17	٦				1								
10	9				1							C. A C. A. T. I.	
11 S-4 22 29 50/4* 12 29 50/4* 13	10				1							GLACIAL TILL	
11					S-4: Very dens	se, gray, fine to	coarse SAND,	, little fine to	coarse Gravel,	little Silt.	İ		
12 13 14 15 15 10 45 5-5: Very dense, gray, fine to coarse SAND, little fine Gravel, little Silt. 15.8' 17 18 19 19 19 19 19 19 19	11	S-4	22		<u> </u>								
14	12			50/4"									
14					1								
15	13				1								
S-5 10 45 S-5: Very dense, gray, fine to coarse SAND, little fine Gravel, little Silt. Bottom of Exploration ±15.8' 17 18 19 20 21 22 Arks: Non-PLASTIC PLASTIC SAMPLE TYPE PROPORTIONS	14				1								
S-5 10 45 S-5: Very dense, gray, fine to coarse SAND, little fine Gravel, little Silt. Bottom of Exploration ±15.8' 17 18 19 20 21 22 Arks: Non-PLASTIC PLASTIC SAMPLE TYPE PROPORTIONS	إ				†								
Bottom of Exploration ±15.8'	יו	S-5	10		S-5: Very dens	se, gray, fine to	coarse SAND,	, little fine G	ravel, little Silt.				
17 18 19 20 21 22 arks: Non-Plastic Plastic Sample type Proportions	16			50/4"				15.8'		176.7			
18	ا,,				<u> </u>		201101110						
19	''				1								
20	18				1								
20	19				1								
22 NON-PLASTIC PLASTIC SAMPLE TYPE PROPORTIONS N = 0 - 4 = VERY LOOSE N = 0 -2 = VERY SOFT C = ROCK CORE trace = <10% 4-10 = LOOSE 2 - 4 = SOFT S = SPLIT SPOON little = 10% - 20% 10-30 = MEDIUM DENSE 4 - 8 = MEDIUM UP = UNDISTURBED PISTON some = 20% - 35%	[``				4								
NON-PLASTIC PLASTIC SAMPLE TYPE PROPORTIONS N = 0 - 4 = VERY LOOSE N = 0 - 2 = VERY SOFT C = ROCK CORE trace = <10%	20												
NON-PLASTIC PLASTIC SAMPLE TYPE PROPORTIONS	21				1								
NON-PLASTIC PLASTIC SAMPLE TYPE PROPORTIONS					1								
N = 0 - 4 = VERY LOOSE N = 0 - 2 = VERY SOFT C = ROCK CORE trace = <10% 4-10 = LOOSE 2 - 4 = SOFT S = SPLIT SPOON little = 10% - 20% 10-30 = MEDIUM DENSE 4 - 8 = MEDIUM UP = UNDISTURBED PISTON some = 20% - 35%	22				1								
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4-10 = LOOSE 2 - 4 = SOFT S = SPLIT SPOON little = 10% - 20% UP = UNDISTURBED PISTON some = 20% - 35%	ark	s:											ONS
30-50 = DENSE								l					
50+ = VERY DENSE 15-30 = VERY STIFF								l		UT = UNDISTURBED THI	NWALL	and = 35% - 50%	

411	MILO	NE C	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.	: MM-2	SHEET	Γ: 1 of 1		_
X	MACE	ROOM	LOCATION:	35 TAUGWON	IK SPUR ROAD	, STONINGTO	N, CT	CONTRACTO	R: SITE, LLC				_
			PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS				_
	-		CLIENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR:	R. GOWISNOCK				_
	(203) 271-	1773	DATE:	NOVEMBER 2	1, 2019			GROUND SU	RFACE ELEVATION: ±1	87.5'			_
QUIPN	NACBROOM STAUGH PROJ. NO: 6763-05	SAMPLER	COREBRL.		GRO	UNDWATER I	DEPTH (FT.)		TYPE OF RIG:		_		
ГҮРЕ	MACBROOM Society PROJ. NO: 6763-05	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAN	MMER			
SIZE ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-19					RIG MODEL:		_
IMR. W	/T (LB.)	-	-	140	-								
HMR. F	ALL (IN.)	-	-	30	-						CME-55 LCX		
Depth (FT)			1	BUF						DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Domork
DOCATION: 35 TAUGWONK SPUR ROAD, STONINGTON, CT CONTRACTOR: SITE LLC						TORSOIL		F					
1	MILONE & MACERO MACE MAC												
PROJECT PROJECT STONNSTON PY SOLAR FACILITY BORING NO. MM-2 SHEET: 1 of 1													
NACEROM LOCATION: PROJ. NO: Cheshire, CT 06410 (203) 271-1773 DATE: CASING PROJ. NO: PROJ.							2.5'	G.W.T					
3	NACBROOM COCATION		trace Roots, B	ottom 18": Gra	ay, fine to coar	se SAND, lit	tle fine to coars	e Gravel, little Silt.	3.0		184.5	ĺ	
4	MACBROM 99 Realty Drive Cheshire, CT 06410 (203) 271-1773 UIPMENT: AUGER CASING SAN PE HSA - IE ID (IN.) 2 1/4 - 1 AR. WT (LB.)	_											
99 Realty Cheshire, 0 (203) 27 EQUIPMENT: TYPE SIZE ID (IN.) HMR. WT (LB.) HMR. FALL (IN.) Depth SAMPLE NUMBER 1 S-1 2 3 S-2 4 5 S-3 7 S-3 7 S-3 10 S-4 11 S-4 12 S-4 12 S-5 16 S-5 11 S-6 17 S-7 18 S-7 18 S-7 19 S-7 18 S-7 19 S-7 18 S-7 19 S-7 18 S-7 19 S-7 10 S-7 11 S-7 12 S-7 13 S-7 14 S-7 15 S-7 16 S-7 17 S-7 18 S-7 18 S-7 19 S-7 10 S-7 11 S-7 12 S-7 12 S-7 13 S-7 14 S-7 15 S-7 16 S-7 17 S-7 18 S-7 18 S-7 19 S-7 10 S-7 11 S-7 12 S-7 12 S-7 13 S-7 14 S-7 15 S-7 16 S-7 17 S-7 18 S-7 17 S-7 18 S-7 18 S-7 19 S-7 10 S-7 10 S-7 11 S-7 12 S-7 12 S-7 13 S-7 14 S-7 15 S-7 16 S-7 17 S-7 18 S-7 17 S-7 18 S-7 18 S-7 19 S-													
5				S-3: Medium	dense, gray, fir	ne to coarse SA	AND, little fir	ne to coarse Gra	avel, little Silt.				
PROJECT: STONNOTON PV SOLAR FACULTY													
·													
8													
9													
10											GLACIAL TILL		
PROJECT STONNGTON PV SOLAR FACILITY BORING NO. MM-2 SHEET: 1 of 1			ĺ										
11	MACBROOM 99 Realty Drive Cheshire, CT 06410 (203) 271-1773 DATE: NOVE DATE: NOV DATE: NOVE DATE: NOV DATE: NOVE DATE: NOVE DATE: NOVE DATE: NOVE DATE: NOVE DATE: NO		_										
12			30										
43				_									
13													
14													
15			45	C E. Van de	a aver Pool		Carl - C		little Cilt				
	S-5	PROJECT: STONINGTON PV SOLAR FACILITY BORING NO.: MM-2 SHEET: 1 of COATROM COATROM: 35 TAUGWONK SPUR ROAD, STONINGTON, CT CONTRACTOR: STIE. LLC PROJ. NO: 6763-05 FORRMAN: J. DEANGELIS TOGHO											
16							-CE 1 2	. 10 11		16.4'		171.1'	
17		-		+		Bottom	of Exploration	on 16.4'					
18]						Ī			
				+									
19				1									
20				-									
21				1									
				_									
22				1									
Remark	s:	<u> </u>			NON-F	PLASTIC	p	LASTIC	SAMPLE TYPE		PROPORTIO	ONS	_
					N = 0 - 4 = VEI 4-10 = LOC 10-30 = MI 30-50 = DE	RY LOOSE DSE EDIUM DENSE ENSE	N = 0-2 2-4 : 4-8 : 8-15	= VERY SOFT = SOFT = MEDIUM = STIFF	C = ROCK CORE S = SPLIT SPOON UP = UNDISTURBED PIS	TON	trace = <10% little = 10% - 20% some = 20% - 35%		

4.13	MILO	JF &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-3	SHEET	T: 1 of 1	
MILONE & PROJECT: STONINGTON LOCATION: 35 TAUGWONK						, STONINGTOI	N, CT	CONTRACTO	R: SITE, LLC	_		
			PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS			
Cheshire, CT 06410 CLIENT: GREENSKIES					RENEWABLE EN	NERGY, LLC		INSPECTOR: F	R. GOWISNOCK			
	(203) 271-	1773	DATE:	NOVEMBER 2	1, 2019			GROUND SUF	RFACE ELEVATION: ±18	35.0'		
EQUIPM	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:	
TYPE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHA	MMEI
SIZE ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-21			±2.0'		RIG MODEL:	
HMR. WT (LB.) - 140					-						CME EFICY	
HMR. FA	ALL (IN.)	-	-	30	-						-CME-55 LCX	
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUF				ON-DESCRIPTI	ON SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV.
			1	_					ace fine Gravel,		TOPSOIL	-
1	S-1	20	1 WOH	trace Roots. B trace Roots.	ottom 12": Lig	ht brown, fine	to medium	SAND and SILT,	little fine Gravel,	1.0'	SUBSOIL	18
,			11							2.0'	G.W.T	18
			9 12						ILT, little fine Gravel, e to coarse Gravel.	2.5'		18
3	S-2	24	11	Trace ROOTS, B	ottom 20 ; Gra	ay, mile to coars	se saind, 80	me siit, iittie fin	e to coarse Graver.			
4			13									
_				-								
5			21	S-3: Medium	dense, gray, fir	ne to coarse SA	AND, some fi	ne to coarse Gr	avel, little Silt.			
6	S-3	17	12 10	-								
7			13	1								
				_								
8				1								
9				4								
10				_							GLACIAL TILL	
10			24 26	S-4: Very den	se, gray, fine to	coarse SAND,	, little fine to	coarse Gravel,	little Silt.			
11	S-4	19	34	<u> </u>								
12			27]								
42				1								
13]								
14			+	-								
15]	-		Proc. 6		live of			
			30 28	S-5: Very den	se, gray, fine to	coarse SAND,	, little fine to	coarse Gravel,	little Silt.			
16	S-5	15	29	1								
17			50/3"			Bottom o	of Exploration	n ±16.8'		16.8'		16
18				1		2230117				1		
				4								
19				1								
20				4								
21		<u> </u>		<u> </u>								
21												
22			+	-								
Dom:	<u>.</u>				l nov-	DIACTIC	-	LASTIC	SAMPLE TYPE		PROPORTI	ONIC
Remarks	.				N = 0 - 4 = VE	PLASTIC RY LOOSE		E VERY SOFT	C = ROCK CORE		trace = <10%	ONS
					4-10 = LOC			SOFT	S = SPLIT SPOON		little = 10% - 20%	
					10-30 = MI 30-50 = DE	EDIUM DENSE :NSE		= MEDIUM = STIFF	UP = UNDISTURBED PIST UT = UNDISTURBED THIN		some = 20% - 35% and = 35% - 50%	
						RY DENSE	15-30	= VERY STIFF				
					<u> </u>		30 + =	: HARD	L		<u> </u>	

41	MILO	JE S	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-4	SHEE	Γ: 1 of 1		
仪	MACB	NE & ROOM				o, STONINGTON	N, CT	CONTRACTOR					_
			PROJ. NO:	6763-05		<u> </u>	·	FOREMAN: J. [
	99 Realty (Cheshire, CT		CLIENT:		RENEWABLE EN	NERGY, LLC		INSPECTOR: R					
	(203) 271-	1773	DATE:	NOVEMBER 2					FACE ELEVATION: ±19	4.5'			_
UIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:		_
PE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAN	MMER	
E ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-21			±3.0'		RIG MODEL:		
IR. V	/T (LB.)	-	-	140	-								
/IR. F	ALL (IN.)	-	-	30	-						CME-55 LCX		
epth FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUF				ON-DESCRIPTION		DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
			1					D, some Silt, tra		0.5'	TOPSOIL	194.0'	_
1	S-1	14	1 2	trace Roots. B trace Roots.	ottom 8" Light	t brown, fine to	medium SA	ND and SILT, tra	ace fine Gravel,				
2			2	TIACE ROOTS.							SUBSOIL		
2			3 10	-		-			LT, trace fine Gravel, Gravel, little Silt.	2.5' 3.0'	G.W.T	192.0' 191.5'	
3	S-2	20	16	trace Roots, B	ottom 12 . dra	ay, fille to coars	se sand, iitt	ie lilie to coarse	Graver, little Sitt.	3.0	G.W.1 🔻	191.5	
4			15]									
5				1									
,	5 S-3: Medium dense, gray, fine to coarse SAND, some Silt, little fine to coarse Gravel.												
6	S-3	18	7	<u> </u>									
7			7	1									
Ω				1									
٥]									
9				1									
10			16	S-4: Medium	dense arav fir	ne to coarse SA	ND some fi	ne to coarse Gra	wel little Silt	GLACIAL TILL			
11	S-4	16	10	. Wediani	acrise, gray, iii								
•			5	-									
12			,	1									
13				-									
14				1									
				1									
15			12	S-5: Dense, gr	ray, fine to coa	rse SAND, som	e fine to coa	rse Gravel, little	Silt.				
16	S-5	10	17 25	1									
17			20	1			(F.)	47.0		17.0'		177.5'	
				1		Bottom o	f Exploration	1 ±17.0'					
18				1									
19				1									
20				1									
				1									
21				1									
22				1									
I				1	, , , , , , , , , , , , , , , , , , ,	DI ACTIC		ACTIC	CARRY = 71/2-		BPOROS-1	NIC	
nark	s:				NON-F N = 0 - 4 = VE	PLASTIC RY LOOSE		ASTIC VERY SOFT	SAMPLE TYPE C = ROCK CORE		PROPORTIO trace = <10%	NS	_
					4-10 = LOC		2 - 4 =		S = SPLIT SPOON		little = 10% - 20%		
						EDIUM DENSE		MEDIUM	UP = UNDISTURBED PIST		some = 20% - 35%		
					30-50 = DE	NSE	8 - 15	= STIFF	UT = UNDISTURBED THIN	WALL	and = 35% - 50%		

						ORIN	J L	1							
	MILOI	NE &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-5	SHEET	Γ: 1 of 1				
	MACB	ROOM	LOCATION:	35 TAUGWON	NK SPUR ROAD	o, stoningtor	N, CT	CONTRACTOR	: SITE, LLC						
	99 Realty I	Drive	PROJ. NO:	6763-05				FOREMAN: J. [DEANGELIS	ANGELIS					
	Cheshire, CT (203) 271-		CLIENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK						
	(203) 271	1775	DATE:	NOVEMBER 2	1, 2019			GROUND SUR	FACE ELEVATION: ±19	99.0'					
QUIPM	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:				
/PE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAN	MER			
ZE ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-21			±2.7'		RIG MODEL:				
MR. W	/T (LB.)	-	-	140	-						CME-55 LCX				
VIR. F	ALL (IN.)	-	-	30	-							,	_		
epth	SAMPLE	RECOVERY	BLOWS		SOIL	AND ROCK CL	ASSIFICATI	ON-DESCRIPTION	ON	DEPTH (FT.)	STRATUM	ELEV.	Remark		
(FT)	NUMBER	(IN)	PER 6"					ENGINEERS SY	, ,		DESCRIPTION	ਜ਼ ਜ਼	Rer		
			1					ID, some Silt, tra AND and SILT, tr		0.5'	TOPSOIL	198.5'			
1	S-1	10	WOH 1	trace Roots. B	ottom 4 : Ligh	it brown, fine to	medium S	aliu SILI, Tr מואר	ace iiile Glavel,		CHRCOH				
2			3	C 20 March	dance To 12"	Dale bee	made : -1*	CAND 1 C''	T transfer Co	2.51	SUBSOIL	100 =			
			6 8	-		-		m SAND and SII nd SILT, trace fir	T, trace fine Gravel, ne Gravel.	2.5' 2.7'	G.W.T	196.5' 196.3'			
3	S-2	18	12	1							¥_				
4			15	-											
5				<u> </u>											
			8	S-3: Medium	dense, gray fin	e to coarse SA	ND, some Si	lt, trace fine Gra	vel.						
6	S-3	20	4	1											
7			8]											
				1											
8]											
9				-											
10				1	_						GLACIAL TILL				
l			37	S-4: Very dens	se, gray, fine to	o coarse SAND,	little fine to	coarse Gravel, l	ittle Silt.	İ					
11	S-4	23	32												
12			28	-											
13				1											
,,				4											
14				1											
15			20	S Et Van de	an ause Free t	anne Cable	little for a	Con all l	ittle Cilt						
	S-5	8	30 50/4"	3-5: very dens	se, gray, fine to	o coarse SAND,	iittie fine to	coarse Gravel, l	itue Siit.	15.8'		183.2'			
16						Bottom o	f Exploratio	n ±15.8'							
17			+	-											
18				1											
				-											
19				<u> </u>											
20				4											
				1											
21]											
22			+	1											
emark	s:				NON-I N = 0 - 4 = VE	PLASTIC RY LOOSE		LASTIC = VERY SOFT	SAMPLE TYPE C = ROCK CORE		PROPORTIO trace = <10%	NS			
					4-10 = LO				S = SPLIT SPOON		little = 10% - 20%				
						EDIUM DENSE		MEDIUM	UP = UNDISTURBED PIST UT = UNDISTURBED THII		some = 20% - 35%				
					30-50 = DI 50+ = VE	ENSE ERY DENSE		= STIFF = VERY STIFF	O I = OMDISTOKRED (HII	VVALL	and = 35% - 50%				
					1		30 + =	HARD	l						

/.T.	MILO	NE &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-6	SHEET	Γ: 1 of 1			
	MILOI MACB	ROOM	LOCATION:	35 TAUGWON	ik spur road	, STONINGTO	N, CT	CONTRACTOR	R: SITE, LLC					
	99 Realty I	Orive	PROJ. NO:	6763-05				FOREMAN: J. DEANGELIS						
	Cheshire, CT	06410	CLIENT:	GREENSKIES I	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK					
	(203) 271-	1773	DATE:	NOVEMBER 2	1, 2019			GROUND SUR	FACE ELEVATION: ±19	1.5'			_	
QUIPM	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:		_	
YPE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAM	IMER		
IZE ID ((IN.)	2 1/4	-	1 3/8	-	2019-11-21			±3.0'		RIG MODEL:		_	
IMR. W	T (LB.)	-	-	140	-									
IMR. FA	ALL (IN.)	-	-	30	-						CME-55 LCX			
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"					ON-DESCRIPTI	ON YSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV.	Remark	
			WOH						ace fine Gravel, trace	0.5'	TOPSOIL	191.0'		
1	S-1	19	1	Roots. Botton					fine Gravel, trace					
'	J 1		1	Roots.							SUBSOIL			
2			1	S-2: Very loos	e, Top 4": Ligh	t brown, fine to	o medium SA	ND and SILT, to	ace fine Gravel, trace		JUBSUIL			
3	S-2	6	0	Roots. Botton	n 2": Gray-brov	wn, fine to coar	se SAND, litt	le Silt, trace fin	e Gravel.	3.0'	G.W.T 🔻	188.5		
			3 13	-						3.5'		188.0'		
4			13	<u> </u>										
5			8	C 2: Donco a	ov fine to con	rse SAND, little	Cilt traca fi	ao Graval						
		10	25	3-3. Delise, gi	ay, fille to coa	ise sand, iittie	s Siit, trace iii	ie Gravei.						
6	S-3	12	13]										
7			13	1										
8				<u> </u>										
Î														
9				1										
10					.	CAND	trul C	6 1	in Cit		GLACIAL TILL			
			20 24	S-4: Very den	se, gray, fine to	o coarse SAND,	, little fine to	coarse Gravel,	little Slit.					
11	S-4	20	33]										
12			42	4										
13				<u> </u>										
13				4										
14				†										
15				C 5.37			Carlo C		lint. Cit					
	S-5	15	51 47	3-5: Very den:	se, gray, fine to	o coarse SAND,	little fine to	coarse Gravel,	iittie Siit.					
16			50/4"	1			_			16.3'		175.2'		
17				-		Bottom o	f Exploration	±16.3'						
18				1										
10				4										
19				†										
20]										
				1										
21				1										
22				1										
				1										
emarks	:	-	-	-	<u> </u>	PLASTIC		ASTIC	SAMPLE TYPE	•	PROPORTIO	NS	_	
					N = 0 - 4 = VE 4-10 = LOG		N = 0-2 = 2-4 =		C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%			
						EDIUM DENSE		MEDIUM	UP = UNDISTURBED PISTO	N	some = 20% - 35%			
					30-50 = DE		8 - 15 =	STIFF = VERY STIFF	UT = UNDISTURBED THIN	WALL	and = 35% - 50%			
					50+ = VE									





ВУ	MRG			
DATE	03/25/20			
DESCRIPTION	ISSUED FOR CONSTRUCTION			

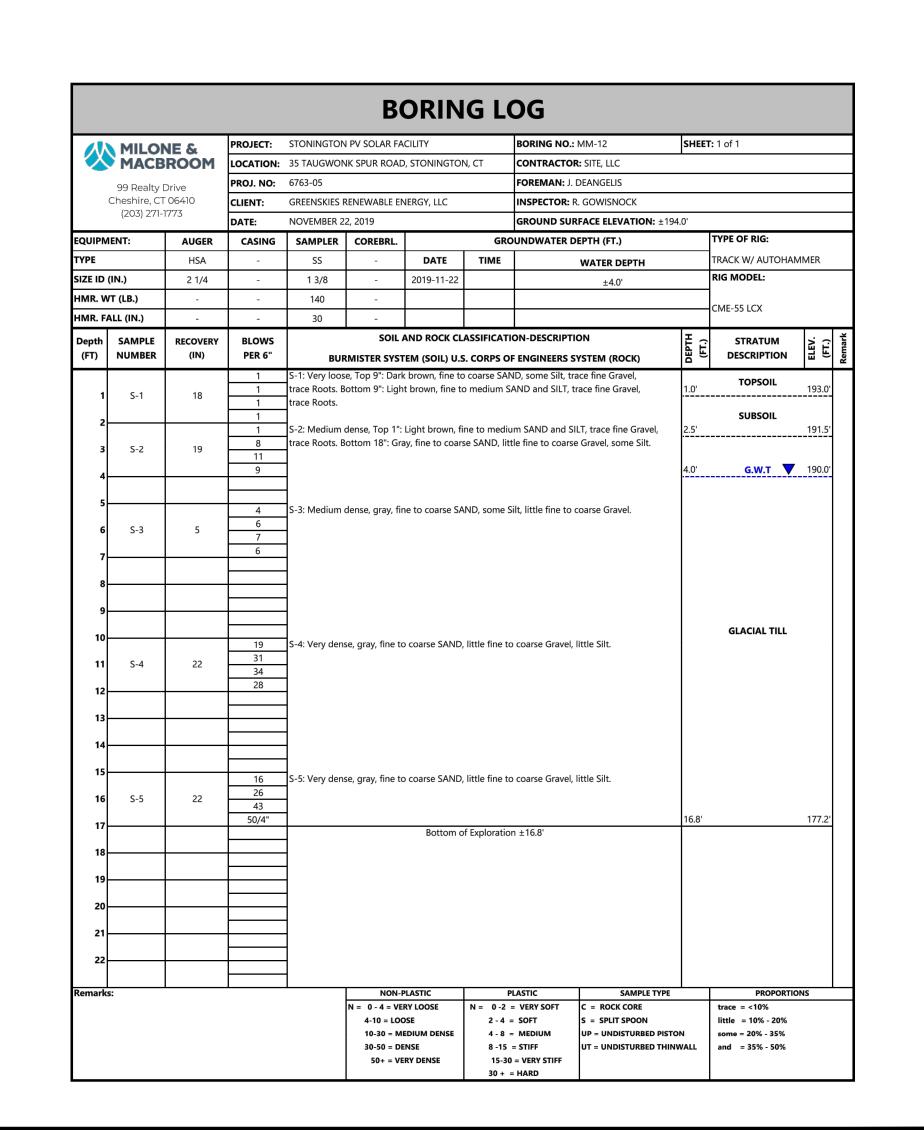
STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC
35 TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT BORING LOGS MRG HMM MRG
DESIGNED DRAWN CHECKED N.T.S. MARCH 25, 2020 **6763-05** ROJECT NO. 03 OF 21 BL-1 Copyright Milone & MacBroom, Inc - 2019

					B	ORIN	G LO	OG					
411	MILO	JE C	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	: MM-7	SHEET	Γ: 1 of 1		
X	MACB	NE & ROOM	LOCATION:	35 TAUGWON	NK SPUR ROAD	o, stoningtoi	N, CT	CONTRACTO	R: SITE, LLC				
			PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS				
	99 Realty [Cheshire, CT		CLIENT:		RENEWABLE EN	NERGY, LLC			R. GOWISNOCK				
	(203) 271-	773	DATE:	NOVEMBER 2		12.10.1, 220			RFACE ELEVATION: ±18	5.0'			
QUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D		5.0	TYPE OF RIG:		
YPE		HSA	- CASING	SS	COKEDKE.	DATE	TIME	ONDWATER			TRACK W/ AUTOHAN	ANAED.	
IZE ID	/INI)		_	1 3/8	-	2019-11-22	THVIE		WATER DEPTH		RIG MODEL:	MIVILIX	_
		2 1/4				2019-11-22			±3.0'				
	/T (LB.)	-	-	140	-						CME-55 LCX		
IVIR. F	ALL (IN.)	-	-	30	-					1_		1	Ţ
Depth	SAMPLE NUMBER	RECOVERY	BLOWS			AND ROCK CL				DEPTH (FT.)	STRATUM	ELEV. (FT.)	Remark
(FT)	NUMBER	(IN)	PER 6"						SYSTEM (ROCK)				Re
			1						ace fine Gravel, trace fine Gravel, trace Roots.	0.5'	TOPSOIL	184.5'	
1	S-1	22	1			, to me		5.2.7 11400			SUBSOIL		
2			2	C 2: Madison	donce Terr Off	Light become	no to!!	m CAND === 1.5	ILT, trace fine Gravel,	2.51	JUBSUIL	100 5	
			7	4		Light brown, fi ay, fine to coars				2.5' 3.0'	G.W.T	182.5' 182.0'	
3	S-2	14	5	1				·					
4			27	-									
_				1									
5			8	S-3: Medium	dense, gray, fii	ne to coarse SA	ND, little fin	e to coarse Gra	evel, little Silt.				
6	S-3	23	6	-									
7			7	1									
7]									
8				_									
9				<u> </u>									
,											GLACIAL TILL		
10			21	S-4: Very dens	se, gray, fine to	o coarse Sand,	little fine to	oarse Gravel, l	ittle Silt.		GLACIAL TILL		
11	S-4	4	23]									
		-	30	-									
12			30	1									
13]									
				1									
14				<u> </u>									
15			20	C Et Vant date	oo finata	CO CAND	a fine to	en Crount that	∖ Cil+				
المواصر	S-5	17	29 44	3-5: very dens	se, tine to coat	rse SAND, some	e ime to coai	se Gravei, little	: ont.				
16			50/5"	1						16.9'		168.1'	
17			-	-		Bottom o	of Exploration	±16.9'					
4.0				1									
18]									
19			-	-									
20]									
20]									
21				1									
22				1									
				-									
emark	s:	<u> </u>	<u> </u>	<u> </u>	NON-I	PLASTIC	PI	ASTIC	SAMPLE TYPE		PROPORTIO	NS	ш
					N = 0 - 4 = VE		N = 0 -2 =		C = ROCK CORE		trace = <10%		_
					4-10 = LOC	OSE EDIUM DENSE	2 - 4 = 4 - 8 =	SOFT MEDIUM	S = SPLIT SPOON UP = UNDISTURBED PISTO	ON	little = 10% - 20% some = 20% - 35%		
					30-50 = M		4 - 8 = 8 -15 =		UT = UNDISTURBED THIN		and = 35% - 50%		
					50+ = VE	RY DENSE	15-30	= VERY STIFF					

/11	MILO	IE &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-8	SHEET	Γ: 1 of 1		
火	MILON	ROOM		35 TAUGWON	IK SPUR ROAD	, STONINGTO	N, CT	CONTRACTOR	t: SITE, LLC				-
			PROJ. NO:	6763-05		-	<u> </u>	FOREMAN: J. I	DEANGELIS				_
(99 Realty [Cheshire, CT		CLIENT:	GREENSKIES F	RENEWABLE EN	JERGY, LLC		INSPECTOR: R	. GOWISNOCK				-
	(203) 271-1	773	DATE:	NOVEMBER 2		•			FACE ELEVATION: ±19	90.5'			_
UIPM	FNT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D			TYPE OF RIG:		_
PE		HSA	-	SS	-	DATE	TIME				TRACK W/ AUTOHAN	MMER	
E ID (INI		-		-	2019-11-22	TIME		WATER DEPTH		RIG MODEL:	VIIVILIX	_
	T (LB.)	2 1/4	_	1 3/8 140	_	2019-11-22			±4.0'				
	LL (IN.)										CME-55 LCX		
		-	-	30	-					Τ_		_	т
epth	SAMPLE NUMBER	RECOVERY	BLOWS PER 6"					ON-DESCRIPTION		DEPTH (FT.)	STRATUM	ELEV.	
T)	NUMBER	(IN)							YSTEM (ROCK)	<u> </u>	DESCRIPTION	<u> </u>	Ļ
			WOH 1	-					race fine Gravel, trace fine Gravel,	1.0'	TOPSOIL	189.5	l
1	S-1	22	2	trace Roots. b	own ii . Ligi	DIOWII, IIIIE	.o medium.	and Jill,	accomic Gravel,			109.3	1
2			8								SUBSOIL		
ן ב			7	4		•			LT, trace fine Gravel,	2.5'		188.0	-
3	S-2	22	10	trace Roots. B Gravel.	ottom 18": Gra	y-brown, fine	to coarse SA	ואט, some Silt, l	ittle fine to coarse				
4			10]						4.0'	G.W.T	186.5	
7]
5			6	S-3. Dense ar	av fine to coal	rse SAND little	e fine to coal	se Gravel, little	Silt				
اء	6.3	10	16	3 3. Dense, gr	ay, mic to cou	ise salvo, ileae	inic to cou	se Graver, intire	Siit.				
6	S-3	18	14										l
7			12										l
				-									
8				1									l
9													
1				4							GLACIAL TILL		
10			20	S-4: Verv dens	se. grav. fine to	coarse SAND.	. little fine to	coarse Gravel,	little Silt.				ļ
11	C 4	24	27	1	, 3,,	,	,	,					
''	S-4	24	24										l
12			21	_									l
				1									l
13													l
14				_									l
				1									
15			18	S-5: Dense, gr	ay, fine to coa	rse SAND, little	e fine to coa	se Gravel, little	Silt.				
16	S-5	24	25										
			23 48	1						17.0'		173.5	
17			40			Bottom of	f Exxploratio	n ±17.0'		17.0		113.3	1
18]			•						
				4									
19				1									
20				1									
-7				4									
21			1	1									
22				1									
22]									
marks	:		<u> </u>	<u> </u>	NON-P	PLASTIC	P	LASTIC	SAMPLE TYPE		PROPORTIO	ONS	上
N3	•				N = 0 - 4 = VEF			VERY SOFT	C = ROCK CORE		trace = <10%		_
					4-10 = LOO			SOFT	S = SPLIT SPOON		little = 10% - 20%		
					l	EDIUM DENSE		MEDIUM	UP = UNDISTURBED PIST		some = 20% - 35%		
					30-50 = DE	NSE RY DENSE		= STIFF = VERY STIFF	UT = UNDISTURBED THI	NWALL	and = 35% - 50%		

						ORIN	J L		101.44	l				
W	MILON MACB	NE &	PROJECT:		I PV SOLAR FA			BORING NO.:		SHEET	Γ: 1 of 1		_	
	MACB	ROOM		35 TAUGWON	ik spur road	, STONINGTON	N, CT	CONTRACTOR						
	99 Realty [Cheshire, CT		PROJ. NO:	6763-05				FOREMAN: J.					_	
	(203) 271-1		CLIENT:		RENEWABLE EN	IERGY, LLC			R. GOWISNOCK					
HDA	MENT:	AUCER	DATE: CASING	NOVEMBER 2			GRO		RFACE ELEVATION: ±19	5.5	TYPE OF RIG:		_	
E	MENT:	AUGER HSA	CASING	SAMPLER	COREBRL.	DATE	TIME	OUNDWATER D			TRACK W/ AUTOHAM	ANAED		
	(IN.)	2 1/4	-	1 3/8	_	2019-11-22	IIIVIE		WATER DEPTH		RIG MODEL:	IIVIEK		
	VT (LB.)		-	140	_	2019-11-22			±2.5'		-			
	ALL (IN.)	-	 	30	_						CME-55 LCX			
	ı		-	30		AND BOCK CL	ASSIFICATI	<u> </u> ON-DESCRIPTI		Τ <u>±</u>		Τ.	¥	
th ()	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	DIII					YSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark	
•			1			, ,		ID, some Silt, tra	. ,	0.5'	TOPSOIL	195.0'	~	
1	S-1	22	1	trace Roots. B					trace fine Gravel,					
			1	trace Roots.							SUBSOIL			
2			2			-			SILT, trace fine Gravel,	2.5'	G.W.T	193.0'		
3	S-2	22	6 12	trace Roots. B Gravel.	ottom 11": Gra	y-brown, fine t	to coarse SA	ND, some Silt, I	ittle fine to coarse	3.0'		192.5'	l	
4			13											
5			6	S-3: Medium	dense, gray, fir	ne to coarse SA	ND, little fin	e to coarse Gra	vel, little Silt.					
6	S-3	19	14 8	-										
7			4											
-														
8														
9														
10											GLACIAL TILL			
			19 21	S-4: Dense, gr	ay, fine to coa	rse SAND, som	e fine to coa	arse Gravel, little	: Silt.	1				
11	S-4	16	24											
12			30	-										
13				1										
				-										
14				1										
15			20	S-5: Dense, ar	ay, fine to coa	rse SAND, little	fine to coa	rse Gravel, little	Silt.				l	
16	S-5	24	26]	J	,		,						
			20 34	+						17.0'		178.5'		
17						Bottom o	f Exploration	n ±17.0'		1			l	
18				1									l	
19]									l	
				1										
20				1										
21			+	-										
22														
				-										
ark	is:	<u> </u>	1	L		PLASTIC		LASTIC	SAMPLE TYPE	1	PROPORTIO	NS	_	
					N = 0 - 4 = VEI 4-10 = LOC			VERY SOFT SOFT	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%			
					l	EDIUM DENSE		MEDIUM	UP = UNDISTURBED PISTO		some = 20% - 35%			
					30-50 = DE 50+ = VE	NSE RY DENSE		= STIFF = VERY STIFF	UT = UNDISTURBED THIN	WALL	and = 35% - 50%			
					i		.5 50		i .		Ī			

	MILO	NE &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-9	SHEET	T: 1 of 1	
	MILON MACB	ROOM	LOCATION:	35 TAUGWON	NK SPUR ROAD	o, stoningtoi	N, CT	CONTRACTO	R: SITE, LLC	•		
	99 Realty [Orive	PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS			
(Cheshire, CT	06410	CLIENT:	GREENSKIES I	RENEWABLE EN	NERGY, LLC		INSPECTOR:	R. GOWISNOCK			
	(203) 271-1	773	DATE:	NOVEMBER 2	2, 2019			GROUND SUF	RFACE ELEVATION: ±19	3.0'		
EQUIPM	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:	
TYPE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAN	ИMER
SIZE ID (IN.)	2 1/4	-	1 3/8	-	2019-11-22			±3.5'		RIG MODEL:	
HMR. W	T (LB.)	-	-	140	-						CME-55 LCX	
HMR. FA	LL (IN.)	-	-	30	-						CIVIL-33 ECX	
Depth	SAMPLE	RECOVERY	BLOWS		SOIL A	AND ROCK CL	ASSIFICATI	ON-DESCRIPTI	ON	DEPTH (FT.)	STRATUM	×.
(FT)	NUMBER	(IN)	PER 6"	BUF	RMISTER SYST	TEM (SOIL) U.S	s. corps o	ENGINEERS S	YSTEM (ROCK)	DEPT!	DESCRIPTION	ELEV.
			1						race fine Gravel	1.01	TOPSOIL	101
1	S-1	16	1	trace Roots. B	ottorn 4 : Ligh	it brown, fine to	o meaium S	AND AND SILI, T	race fine Gravel,	1.0'		192
2			2	S 21 Description 7	30, 11-b - b	<i>G</i> ·	alione Case	and CUT to	fine Cress-I	2.5:	SUBSOIL	40.
	6.3	_	1 14					and SILT, trace ND and fine to o	fine Gravel, coarse GRAVEL,	2.5'		190
3	S-2	8	28	little Silt.	-					3.5'	G.W.T	189
4			26	+								
5 -				1								
			5 3	S-3: Loose, gr	ay, fine to coa	rse SAND, som	e Silt, trace	ine Gravel.				
6	S-3	21	4	1								
7			5	4								
8-				1								
				_							GLACIAL TILL	
9				<u> </u>								
10			40	S 4. Vo	co gravifica	o coarse CAND	little fire :	coarca C	little Silt			
4.4	C 1	22	12 27	3-4. very den	se, gray, fine to	o coarse SAND,	, iitue iine to	coarse Gravel,	inde siit.			
11	S-4	22	32									
12			36	1								
13												
				1								
14						B - (-)	f Family 11	14.01		14.8'		178
15				-		Bottom 0	of Exploratio	1 ± 14.8				
16												
				-								
17				1								
18			-	1								
19				1								
				4								
20				1								
21			-	_								
22				1								
				-								
Remarks	: 1. Auger ref	usal at approxi	nately ±14.8'.	1	NON-F	PLASTIC	Р	LASTIC	SAMPLE TYPE		PROPORTIO	NS
					N = 0 - 4 = VE 4-10 = LOC			VERY SOFT	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%	
						EDIUM DENSE		MEDIUM	UP = UNDISTURBED PIST	ON	some = 20% - 35%	
					30-50 = DE	ENICE	I 0 15	= STIFF	UT = UNDISTURBED THIN	DAZATI	and = 35% - 50%	







			ii.		
₽	MRG				
DATE	03/25/20				
DESCRIPTION	ISSUED FOR CONSTRUCTION				

STONINGTON PV SOLAR FACILITY
GREENSKIES RENEWABLE ENERGY, LLC
35 TAUGWONK SPUR ROAD
STONINGTON, CONNECTICUT

MRG HMM MRG
DESIGNED DRAWN CHECKED

N.T.S.
SCALE

MARCH 25, 2020
DATE

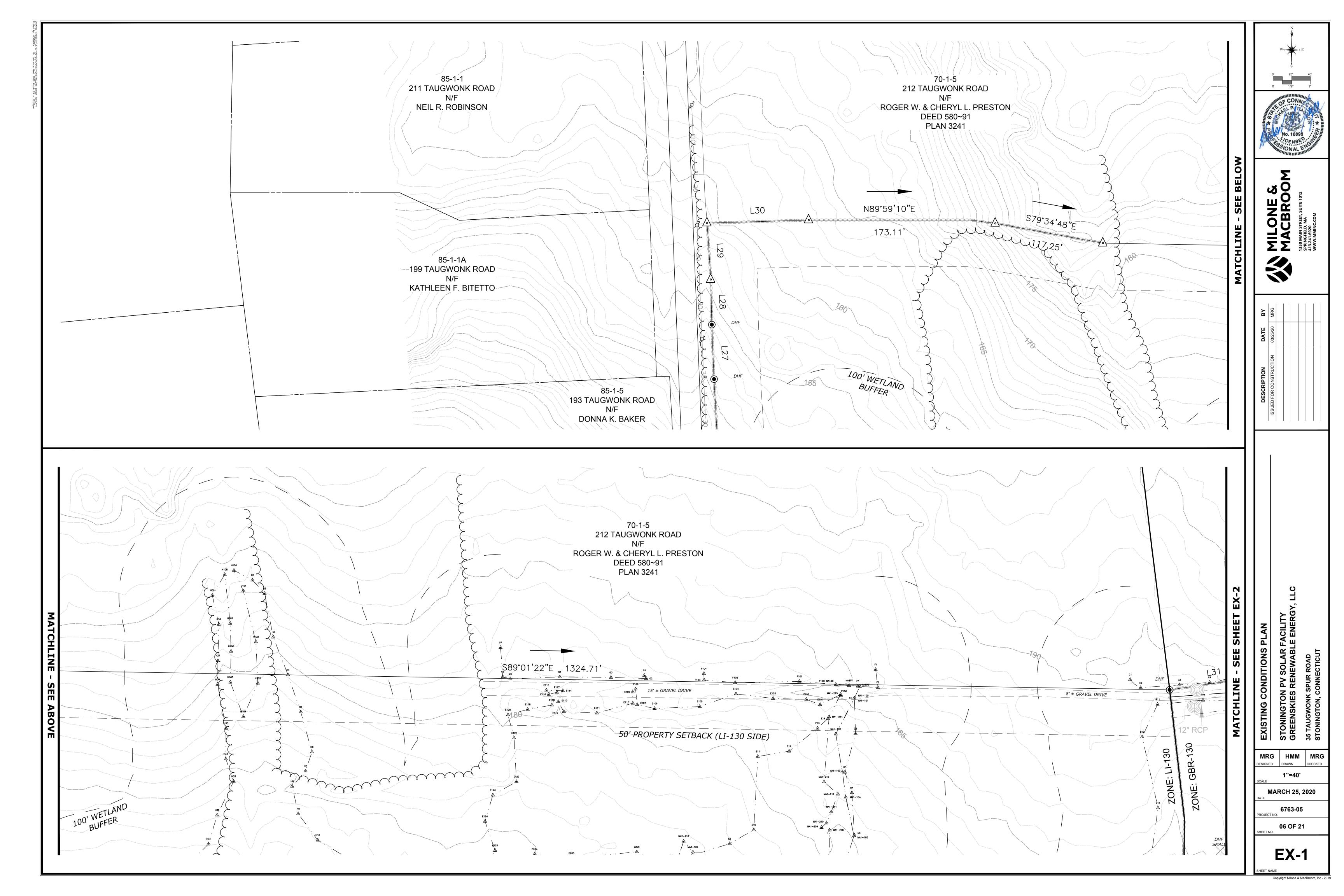
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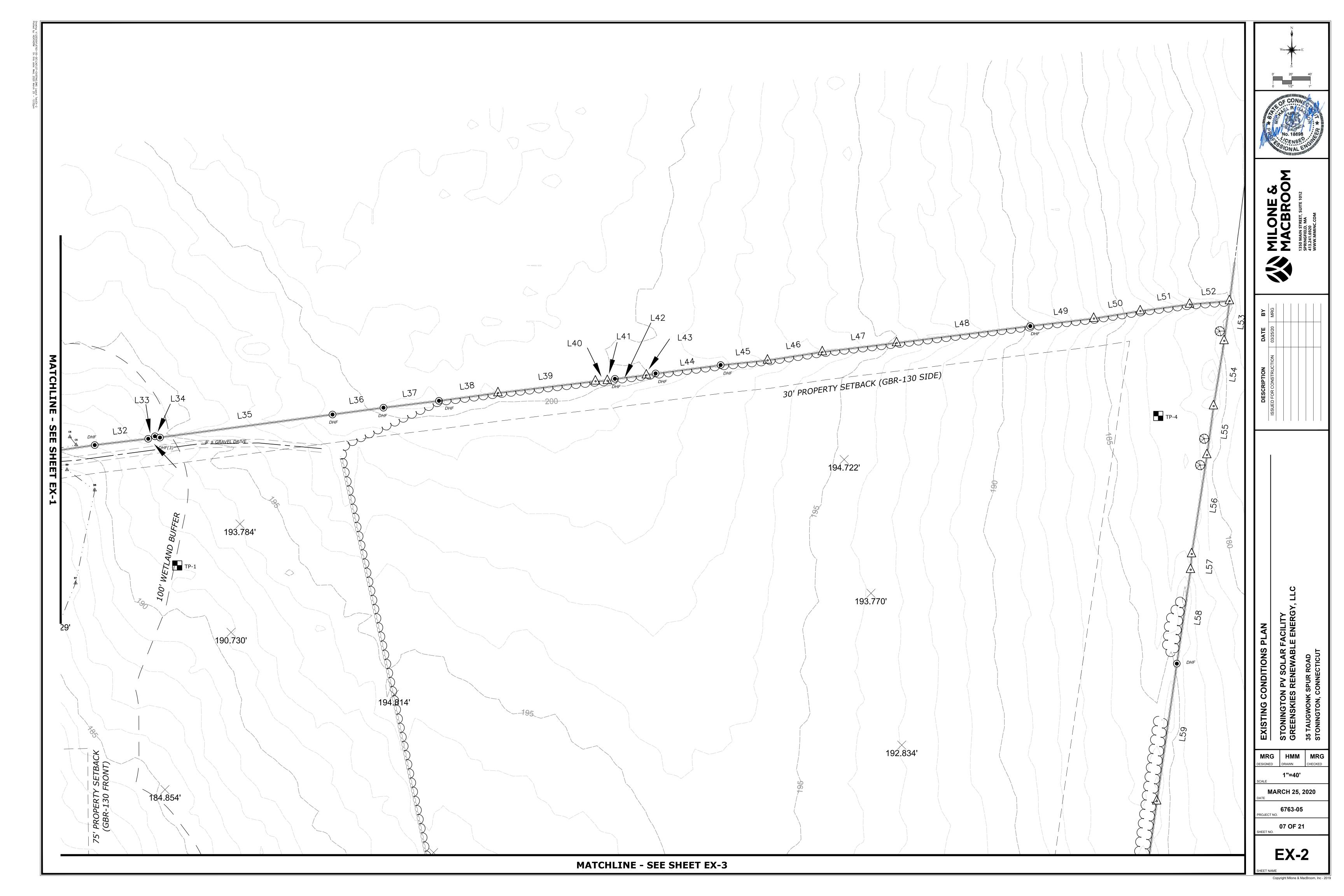
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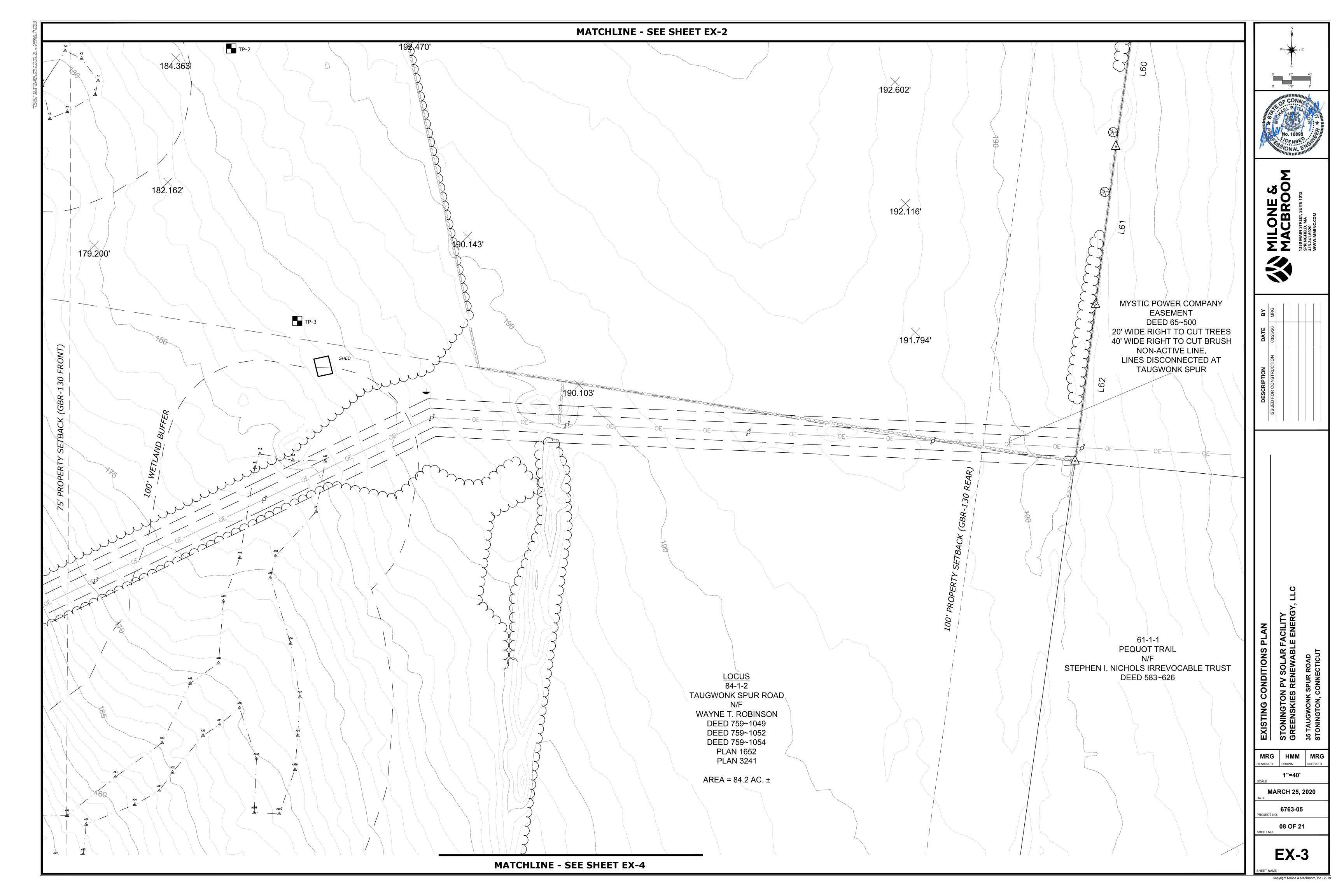
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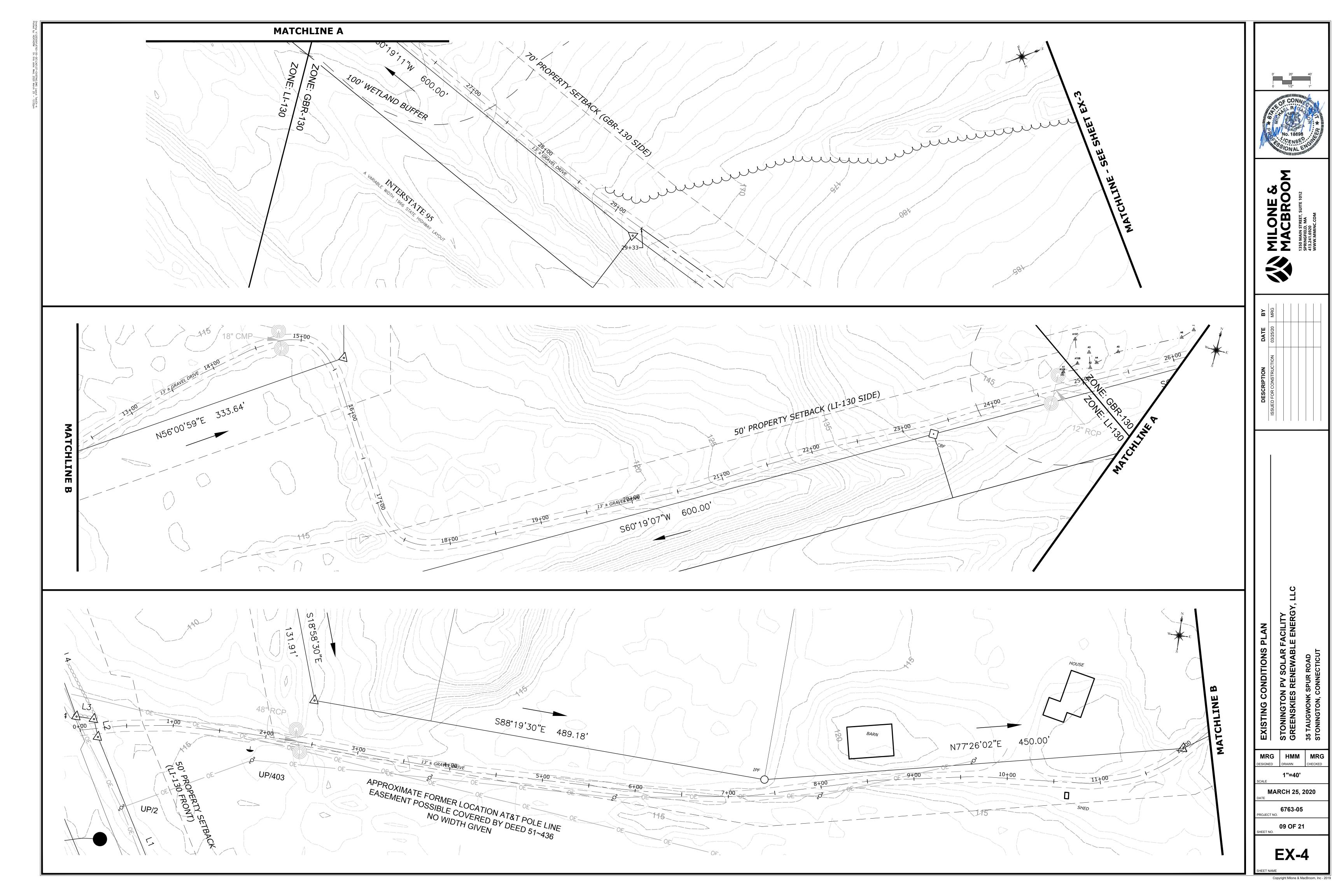
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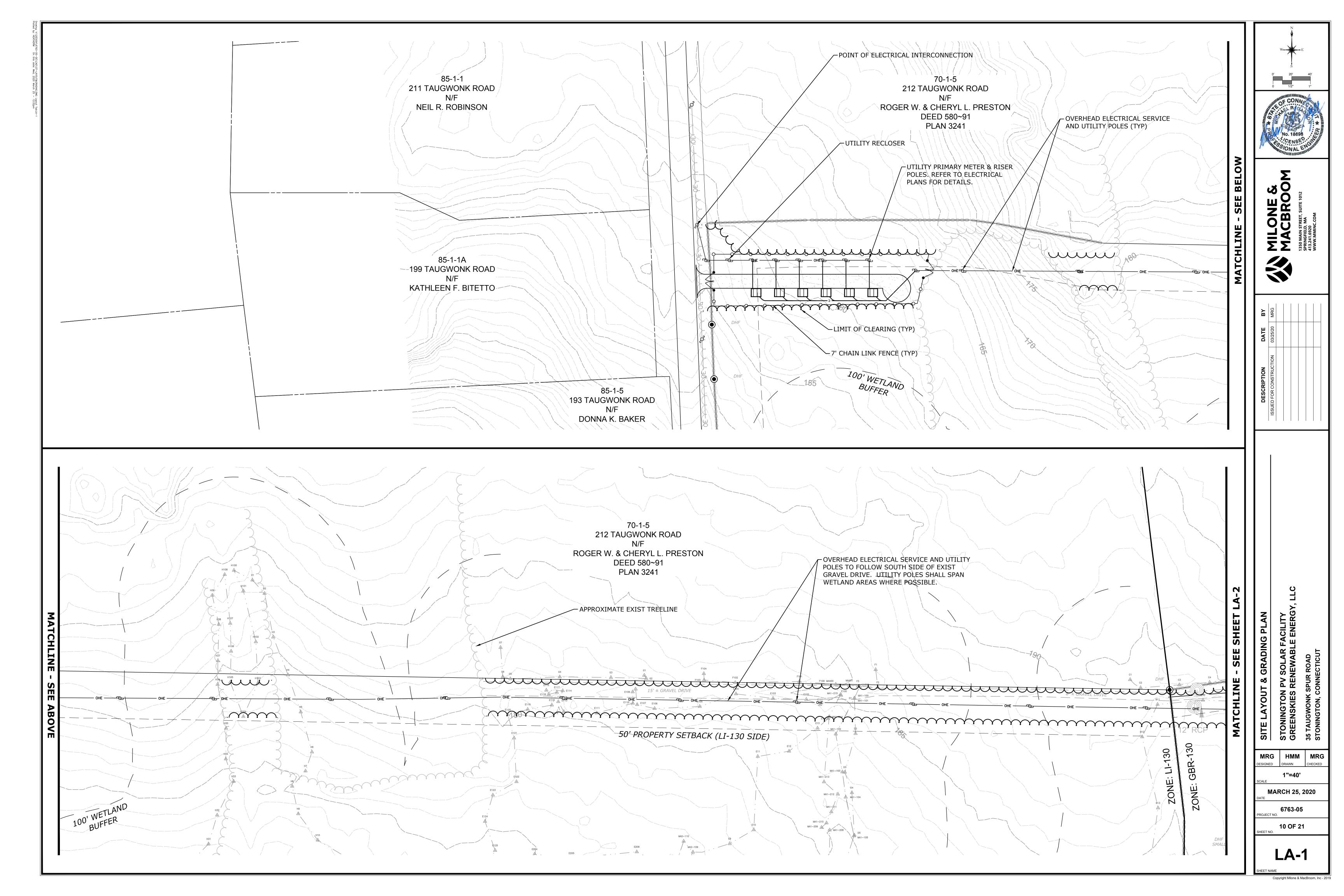
					B	ORIN	G L	OG							
<i>(</i> .1)	MILO	NE &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-10	SHEET	T: 1 of 1				
X	MILOI MACB	ROOM	LOCATION:	35 TAUGWON	ik spur road	, STONINGTO	N, CT	CONTRACTOR: SITE, LLC							
	99 Realty	Drive	PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS						
	Cheshire, C7 (203) 271-		CLIENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK						
	(203) 271-	1773	DATE:	NOVEMBER 2	2, 2019			GROUND SUR	FACE ELEVATION: ±19	6.0'					
QUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)	TYPE OF RIG:					
YPE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHA	MMER			
IZE ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-22			±2.0'		RIG MODEL:				
	VT (LB.)	-	-	140	-						CME-55 LCX				
IMR. F	MR. FALL (IN.) 30 -														
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUF				ON-DESCRIPTION S	ON YSTEM (ROCK)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark			
			1	-				ID, some Silt, tra		1.0	TOPSOIL	405.0			
1	S-1	20	0	trace Roots. B trace Roots.	ottom 12": Lig	nt prown, fine	to medium !	SAND and SILT,	trace fine Gravel,	1.0'	SUBSOIL	195.0'			
2			2]	dansa Ti O''	Dishark **	made o P	CAND - 1	IT to a Co. C	2.0' 2.5'	G.W.T	194.0			
_		22	6 7	-		-			LT, trace fine Gravel, e to coarse Gravel.	2.5'		193.5'			
3	S-2	22	8]											
4			11	1											
5				1			NE POLE		Little office						
_	6.3	10	7	S-3: Medium	dense, gray, fir	ne to coarse SA	ND, little fir	e to coarse Gra	vel, little Silt.						
6	S-3	12	9]											
7			11	_											
8				1											
				4							GLACIAL TILL				
9				1											
10			16	S-4: Dense, ar	ay, fine to coa	rse SAND, little	e fine to coa	rse Gravel, little	Silt.						
11	S-4	18	23]	y	,		,							
	·		26 32	1											
12]											
13			-	+											
14								. 4 4 5 1		14.2'		181.8	1		
				-		Bottom o	of Exploration	1 ±14.2'							
15				1											
16			-	-											
17				1											
				_											
18				1											
19				4											
20				1											
				4											
21				1											
22				_											
				1											
Remark	s: 1. Auger ref	usal at approxi	mately ±14.2'.	•		PLASTIC		LASTIC	SAMPLE TYPE	•	PROPORTIO	ONS			
					N = 0 - 4 = VE 4-10 = LOC			SOFT	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%				
					10-30 = M	EDIUM DENSE	4 - 8 =	MEDIUM	UP = UNDISTURBED PIST		some = 20% - 35%				
					30-50 = DE 50+ = VE			= STIFF = VERY STIFF	UT = UNDISTURBED THIN	IWALL	and = 35% - 50%				
							15 50	- VEKT STIFF							

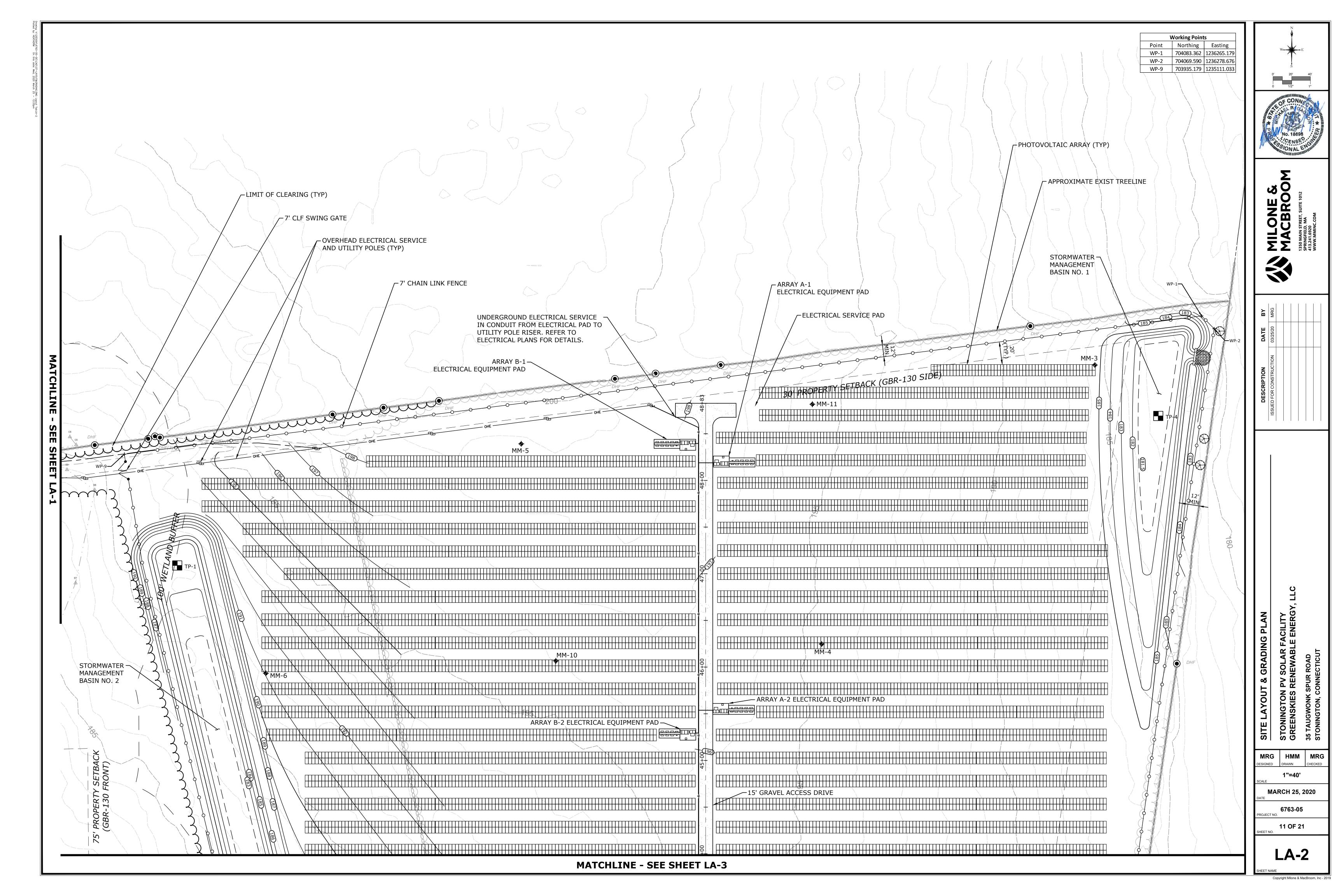


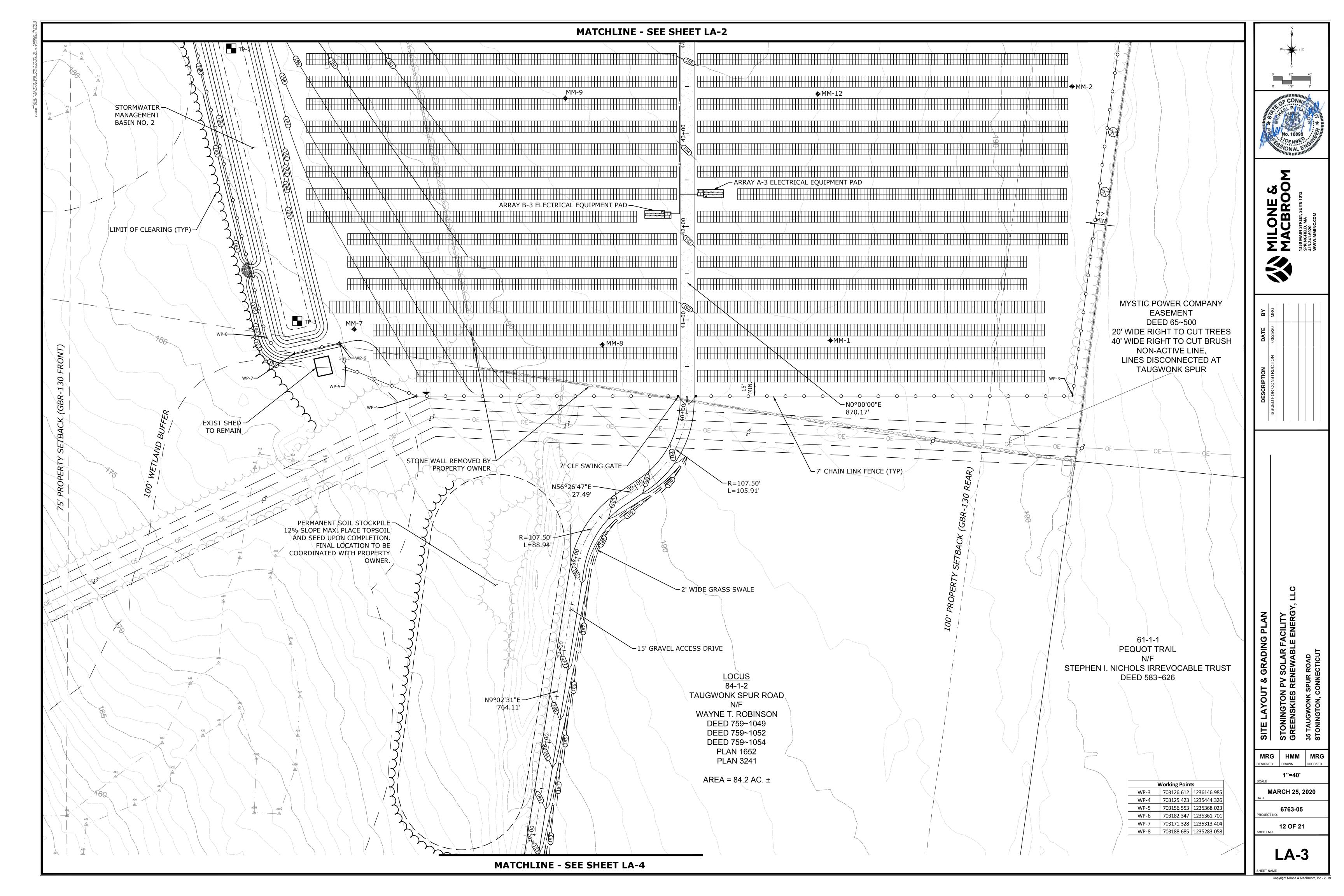


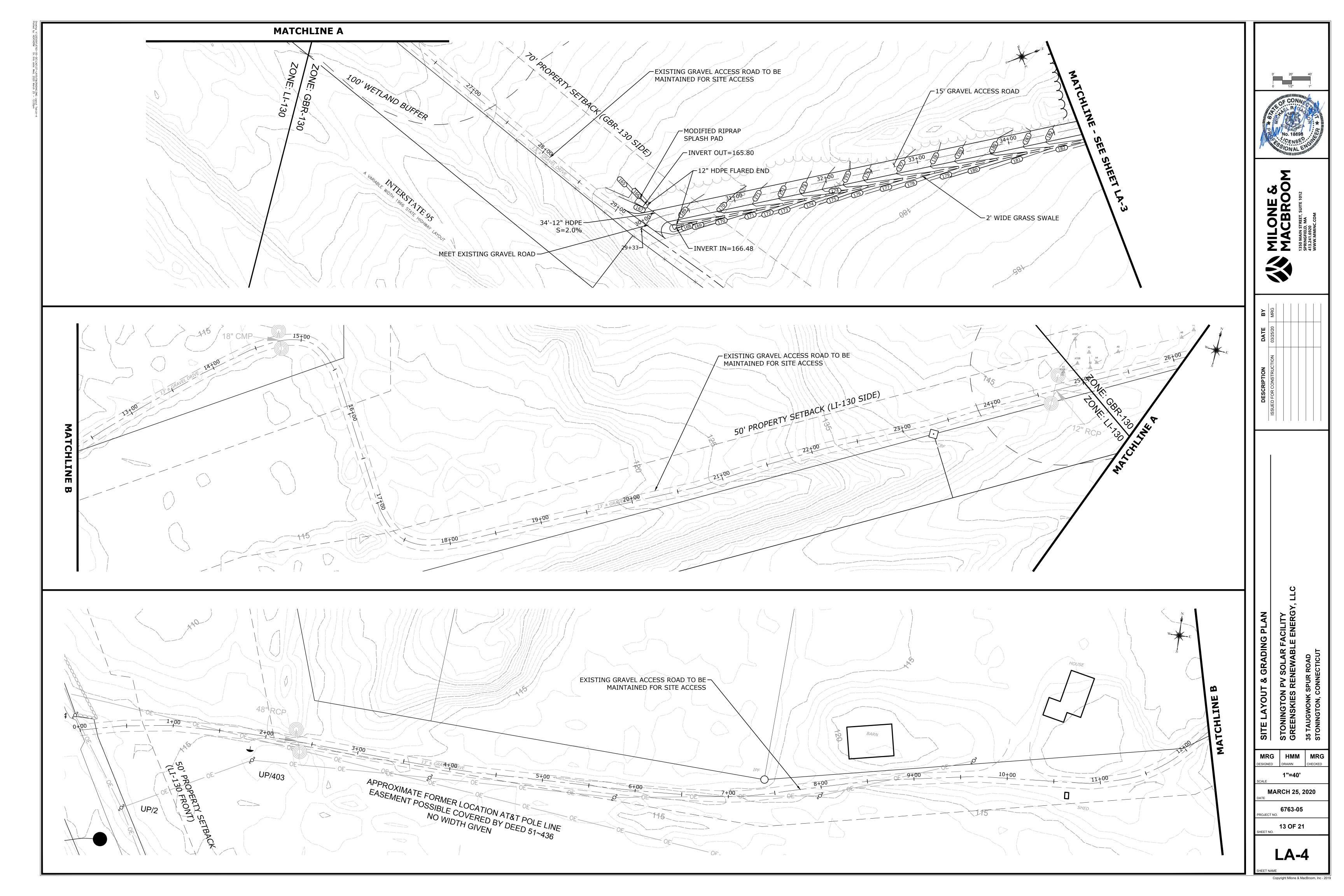


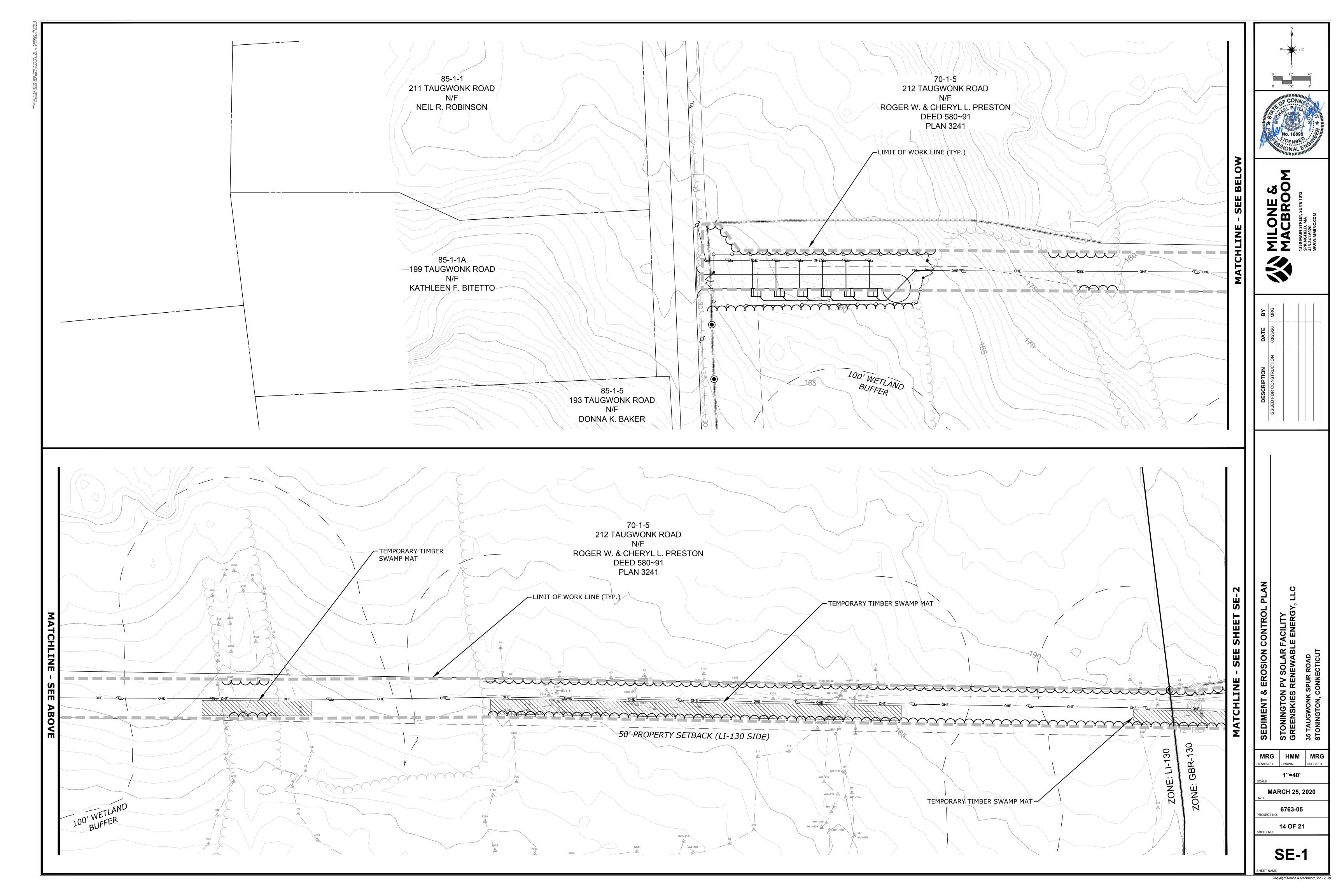


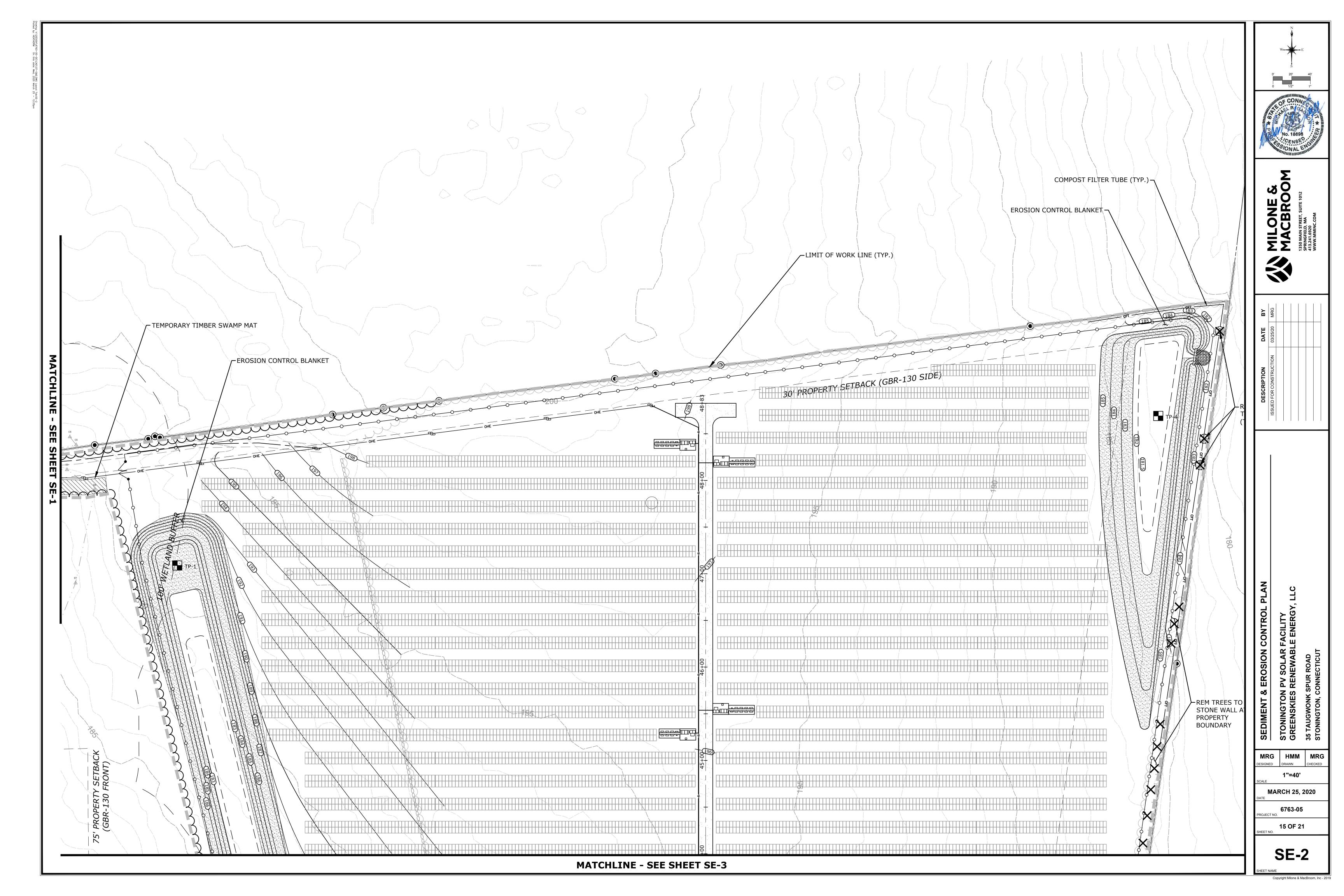


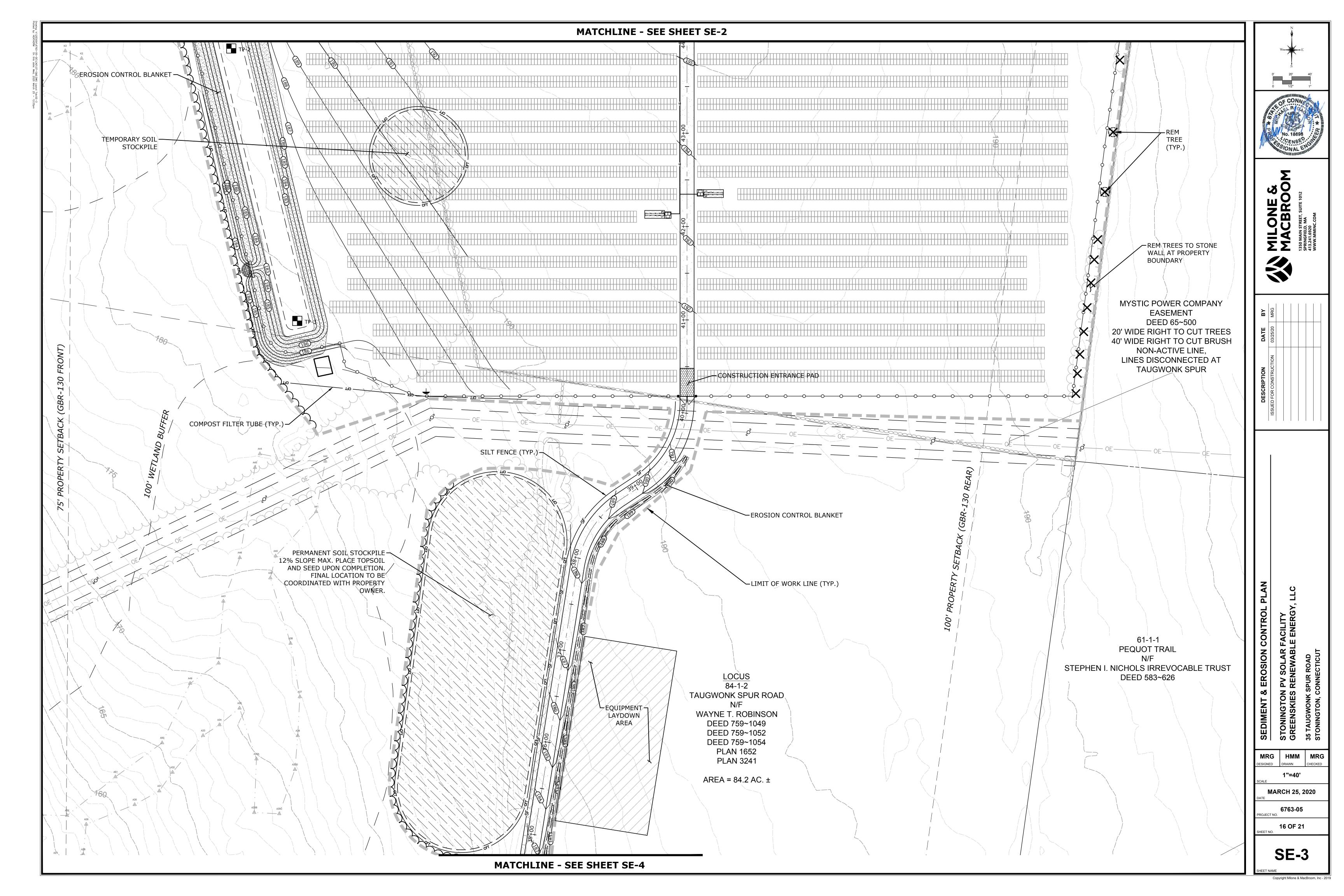


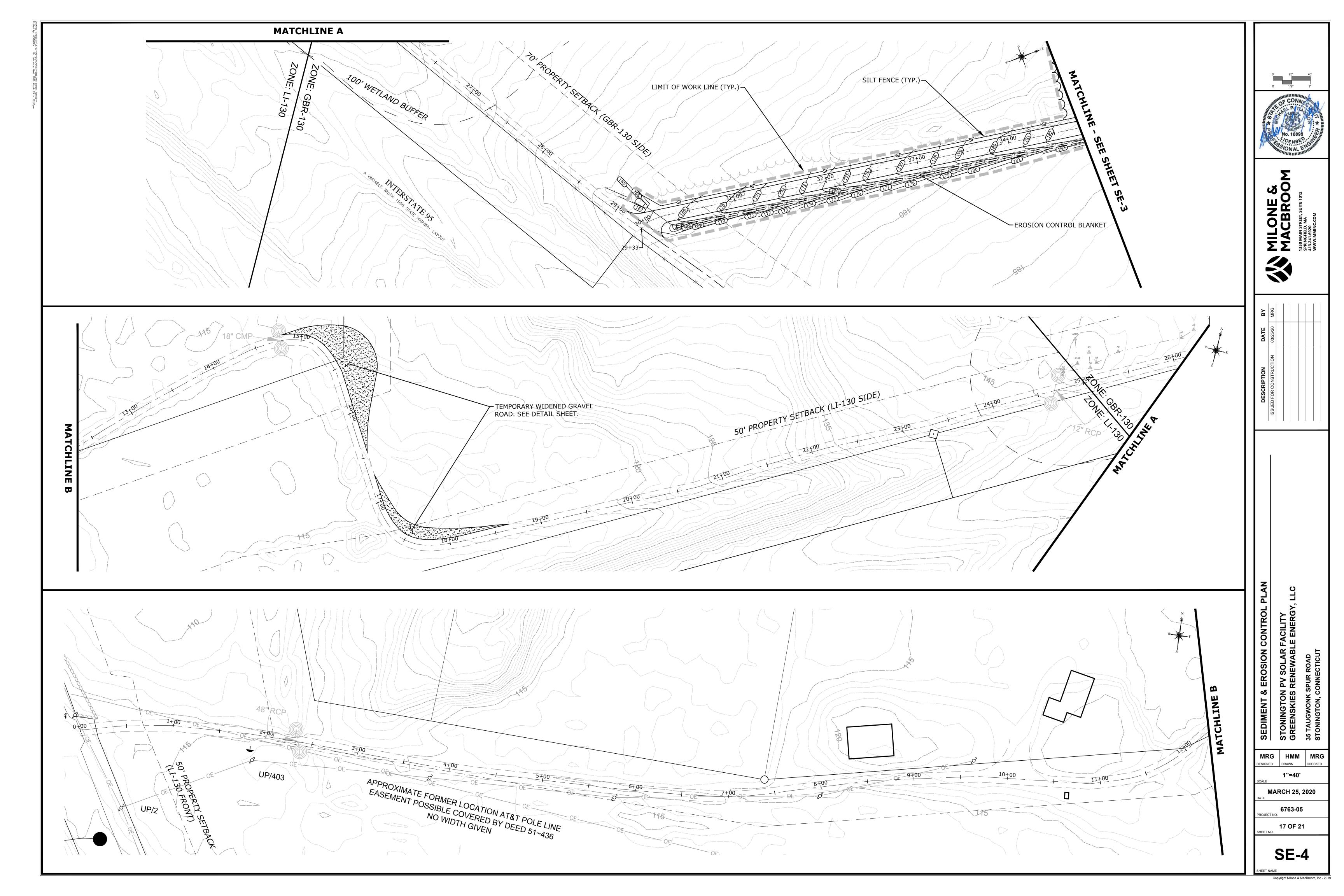












SEDIMENT & EROSION CONTROL SPECIFICATIONS

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
- 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.

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

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

- .. 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.
- 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.

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.
- . 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
- 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
- 5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (REFER TO TEMPORARY OR PERMANENT VEGETATIVE
- 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:

PERIMETER FENCING.

- 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

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

LIMITS OF WORK SHOWN.

1. STAKE OUT THE LIMIT OF WORK. NO DISTURBANCE IS TO TAKE PLACE BEYOND THE

- 2. INSTALL S&E CONTROLS FOR SITE CLEARING ACTIVITIES AS SHOWN ON THE
- 3. CLEAR AND GRUB THE WOODED AREA OF THE SITE WITHIN THE LIMITS SHOWN ON THE PLANS (PHASE TWO ONLY)

PLACEMENT OF TOPSOIL BEFORE PV ARRAY RACKING INSTALLATION. STABILIZE ALL

SLOPES OUTSIDE OF THE PV ARRAY COMPOUND AREA WITH TOPSOIL AND SEED.

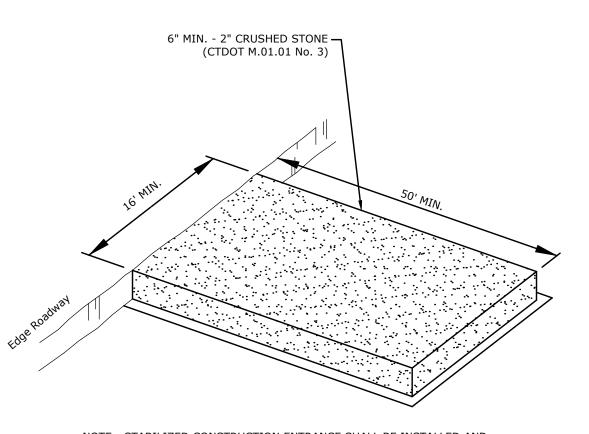
- 4. CONSTRUCT THE STORMWATER MANAGEMENT BASIN, OUTLET WEIR WALL, AND APPURTENANCES. 5. ANY DISTURBED SLOPES ARE TO BE ESTABLISHED TO FINISHED GRADE WITH
- INSTALL EROSION CONTROL BLANKET AS SHOWN ON THE DRAWINGS. 6. INSTALL PV SOLAR PANEL ARRAYS, ELECTRICAL COMPONENTS, CONDUIT, AND
- 7. REMOVE S&E CONTROLS ONCE ALL DISTURBED AREAS HAVE COMPLETELY STABILIZED.

- 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.
- 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
- 3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER
- 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

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

MINIMUM 12 INCHES (300mm) IN DIAMETER WITH AN

TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL, HOWEVER PHOTO-BIODEGRADABE FABRIC SHALL BE REMOVED AT END OF CONTRACT.

COMPOST FILTER TUBE

EFFECTIVE HEIGHT OF 9.5 INCHES (240mm).

TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.

COMPOST TUBES SHALL BE STAKED OR LEANED AGAINST SUPPORTS (TREES, CINDER BLOCKS) ON SLOPES 2:1 OR GREATER.

WHERE NECESSARY, STAKING SHALL BE MIN. 1 INCH X 1 INCH X 3 FEET UNTREATED HARDWOOD STAKES, UP TO 5 FT. (1.5m) APART OR AS REQUIRED TO SECURE TUBES IN PLACE. TUBES SHALL BE STAKED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

UNDISTURBED SOIL & VEGETATION. TUBES SHALL BE PLACED AS CLOSE TO LIMITS OF SOIL DISTURBANCE AS POSSIBLE.

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.

LIMIT OF WORK

- 2. INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW. 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.
- ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER. ADDITIONAL STAKING SHALL BE USED AT THE DIRECTION OF THE ENGINEER.

COMPOST FILTER TUBE NOT TO SCALE

BACKFILL AND COMPACT 4"x4" TRENCH **WORK AREA** PROTECTED AREA TOP OF GROUND PLACE 4" OF FABRIC ALONG

WOOD STAKE JOINT DETAIL

GENERAL NOTES

 $1\frac{1}{5}$ "x $1\frac{1}{5}$ "x42" MIN. WOOD

STAKE OR STEEL POST

TRENCH AWAY FROM

PROTECTED AREA

SILT FENCE ·

- 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'

SILT FENCE BARRIER

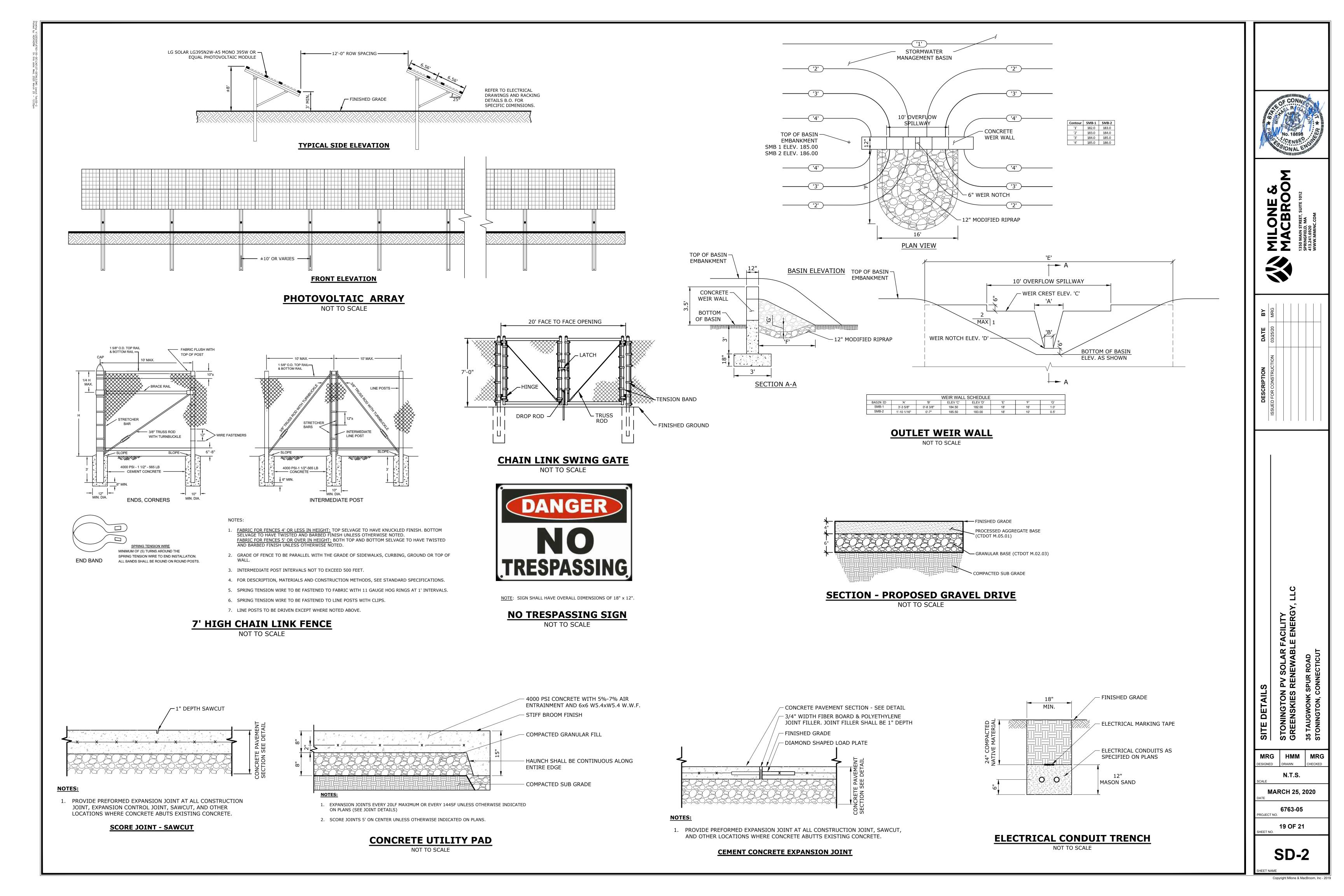


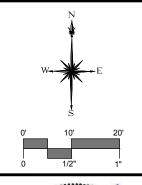
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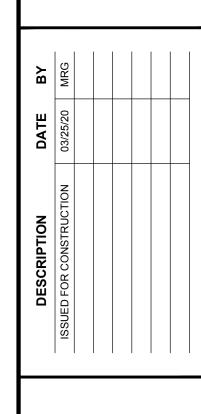
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MILONE & MACBROOM
1350 MAIN STREET, SUITE 1012
SPRINGFIELD, MA
413.241.6920



LAR FACILITY VABLE ENERGY, LLC

SITE DETAILS

SITE DETAILS

MRG
DESIGNED

T" = 20'
SCALE

MARCH 25, 2020

MRG DESIGNED DRAWN CHECKED

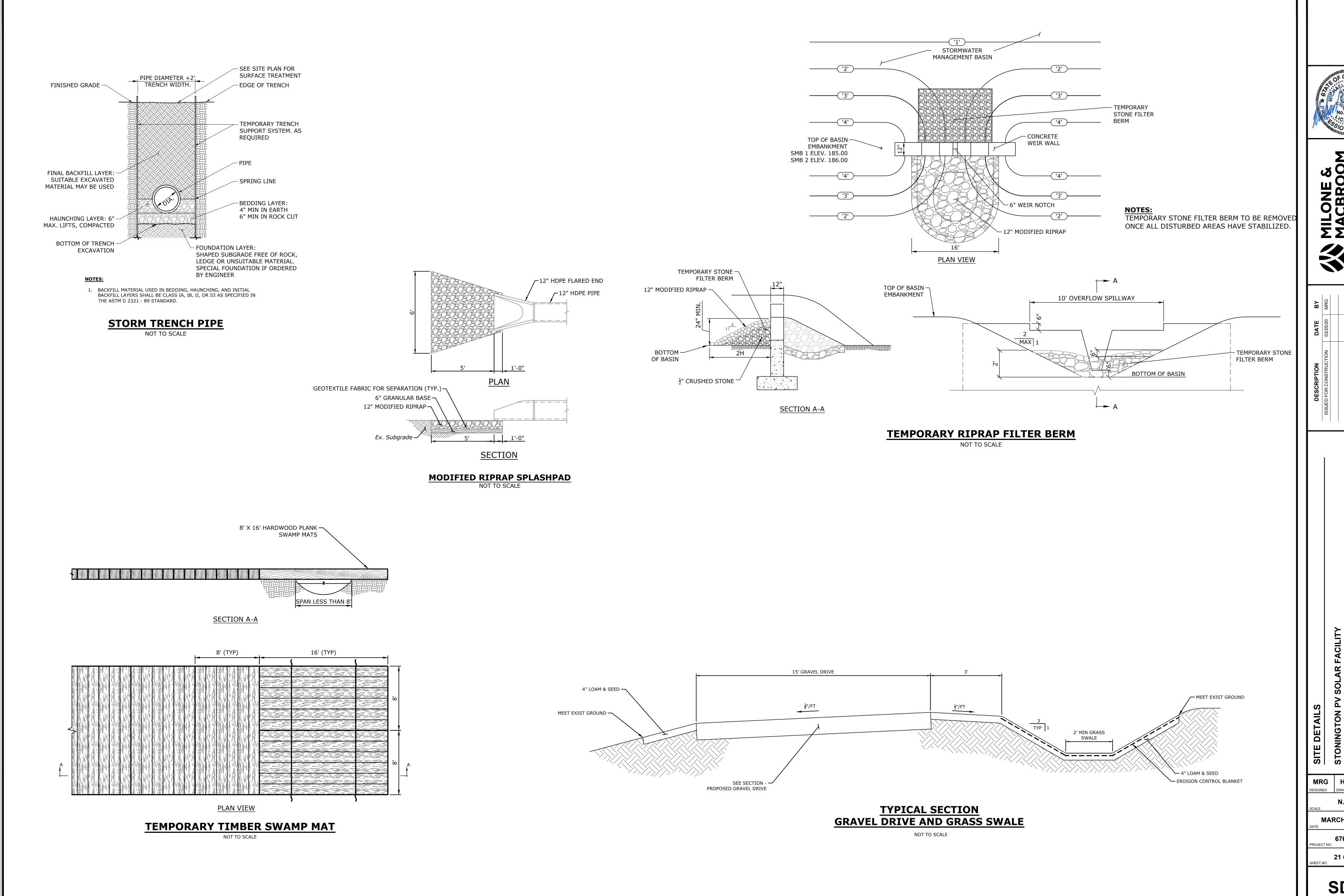
1" = 20'
SCALE

MARCH 25, 2020
DATE

6763-05
PROJECT NO.

20 OF 21
SHEET NO.

SD-3



STONINGTON PV SOLAR FACILITY GREENSKIES RENEWABLE ENERGY, LLC

MRG HMM MRG MARCH 25, 2020

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