

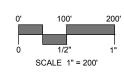


STONINGTON PV SOLAR FACILITY GREENSKIES RENEWABLE ENERGY, LLC

35 TAUGWONK SPUR ROAD STONINGTON, CONNECTICUT CONSTRUCTION DRAWINGS

MMI PROJECT No. 6763-05 MARCH 25, 2020

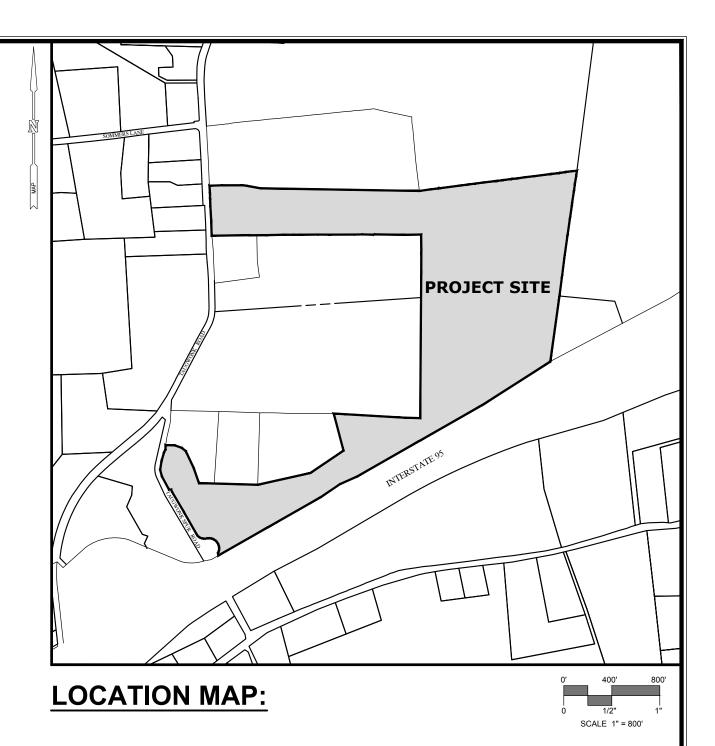
PROJECT SITE VICINITY MAP:



PREPARED BY:









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 - 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

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. 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 TREELINE EDGE OF PAVEMENT PROPERTY LINE STREET LINE FLAGGED WETLAND LIMIT WETLAND FLAG WETLAND BUFFER LOCUS PROPERTY LINE ABUTTERS LINE EASEMENT LINE OVERHEAD WIRES _____ OE _____ STONE WALL WIRE FENCE WIRE FENCE NOW OR FORMERLY ASSESSOR'S ID IRON PIPE FOUND 84-1-2 0 IPF CONC. BOUND FOUND 🖸 CBF DRILL HOLE FOUND OHF CALCULATED POINT UTILITY POLE GUY WIRE ANCHOR PIPE INLET OR OUTLET

____ · · · ____ · ∧ ____ · · · ___ 100' WETLAND BUFFER _____ _____

-00000000000000000 ____X_____

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

OPOSED MAJOR CONTOUR	
OPOSED MINOR CONTOUR	
POT ELEVATION	
RAVEL SURFACE	
OPOSED ELECTRICAL RVICE (UNDERGROUND)	
OPOSED ELECTRICAL RVICE (OVERHEAD)	
OPOSED CHANLINK NCE / GATE	-00
IOTOVOLTAIC ARRAY	
OPOSED LIMIT OF WORK	
OPOSED INVERTER PAD	[
OPOSED UTILITY POLE	
DRING BY MMI	

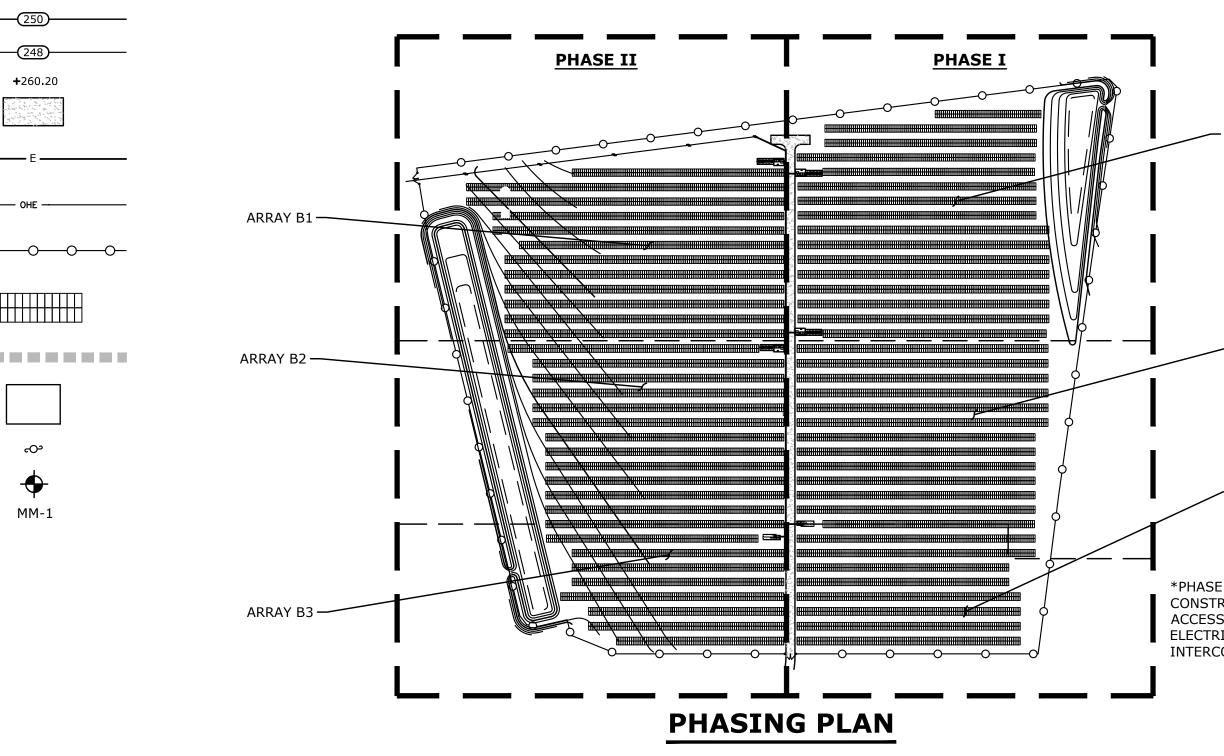
SEDIMENT & EROSION CONTROL NOTES

- 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

SILT FENCE & STAKED STRAW BALES 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
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 REOUIREMENT. 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.

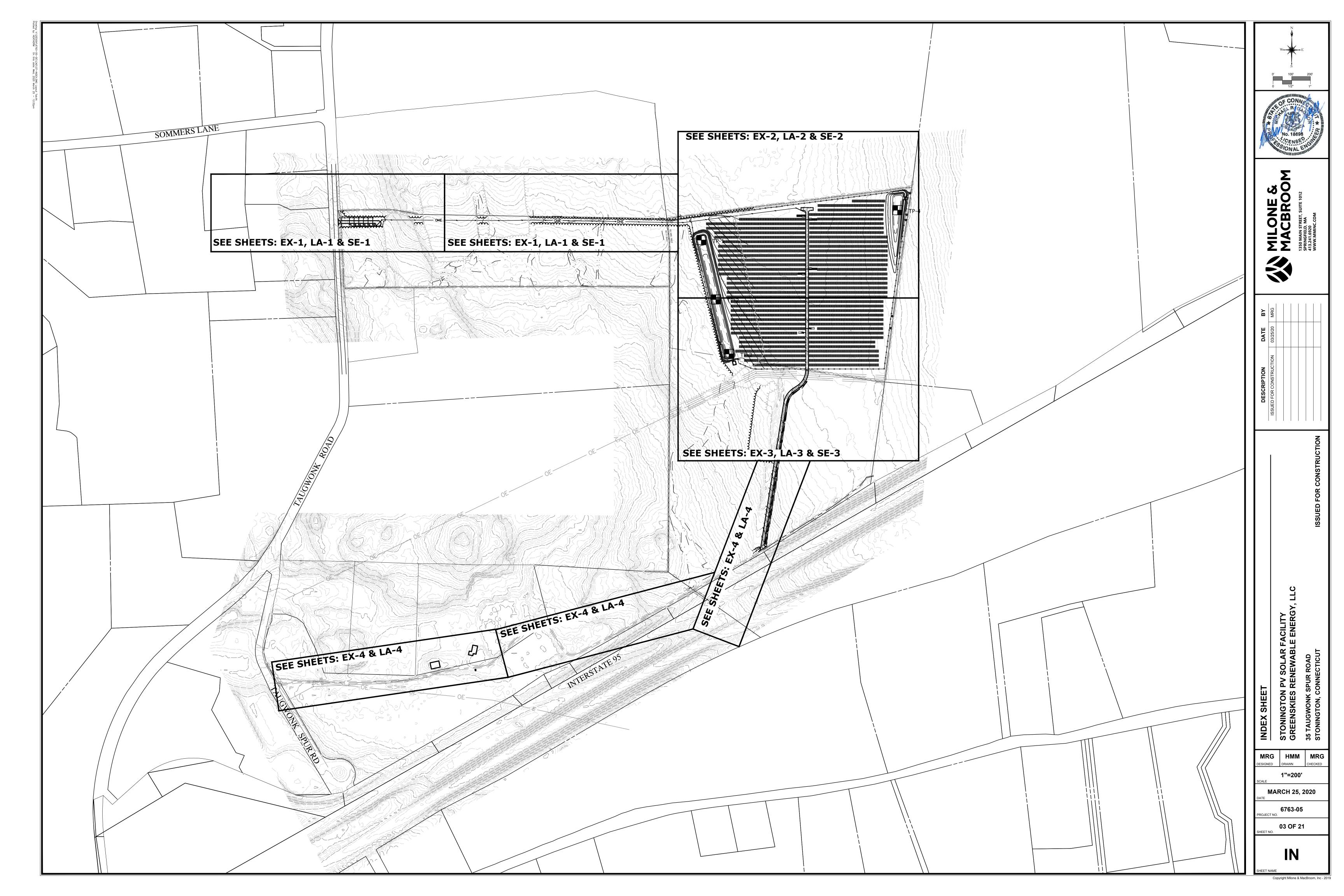
ZONING DATA	
ZONING DISTRICT	LI-130 (LIGHT INDUSTRY)
DIMENSIONAL / DENSITY CRITERIA	REGULATION
MIN. LOT AREA	130,000 SF
YARD SETBACKS	
FRONT ^{1, 2}	50 FT
SIDE ^{1, 2}	25 FT
REAR ^{1,2}	50 FT
MAX HEIGHT	30 FT

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.

	PV SOLAR SYSTEM SPI	CIFICATIONS
	Module manufacturer/model:	CANADIAN SOLAR CS3U-360PB-AG/ CS3W-400PB-AG MODULES
	Module output (Watts):	360 & 400
- ARRAY A1	System DC/AC Ratio:	1.22
	Module tilt angle:	25
	Azimuth:	C
	Min Row Spacing (FT):	12
	Racking:	Fixed tilt, 2x5 Portrait, Post- driven Racking
	PHASE-1	
	Array A1	
	No. Modules:	3,302
- ARRAY A2	Array Output (KW-DC):	1,254.24
ARRAY AZ	Array Output (KW-AC):	1,000.00
	Array A2	
	No. Modules:	3,276
	Array Output (KW-DC):	1,243.84
	Array Output (KW-AC):	1,000.00
	Array A3	
	No. Modules:	1,664
— ARRAY A3	Array Output (KW-DC):	632.32
	Array Output (KW-AC):	500.00
	Phase-1 Output (KW-DC):	3,130.40
	Phase-1 Output (KW-AC):	2,500.00
I ALSO INCLUDES	PHASE-2	
UCTION OF THE	Array B1	
ROAD, OVERHEAD	No. Modules:	3,224
CAL SERVICE AND	Array Output (KW-DC):	1,223.04
ONNECTION	Array Output (KW-AC):	1,000.00
	Array B2	1,000.00
	No. Modules:	3,042
	Array Output (KW-DC):	1,151.28
	Array Output (KW-AC):	980.00
	Array B3	
	No. Modules:	1,560
	Array Output (KW-DC):	590.72
		500.00
	Array Output (KW-AC): Phase-2 Output (KW-DC):	
		2,965.04
	Phase-2 Output (KW-AC):	2,480.00

LEGEND & NOTES DESCRIPTION DATE BY STOLING TON PV SOLAR FACILITY DISUED FOR CONSTRUCTION DISUE FOR CONSTRUCTION DISUE FOR CONSTRUCTION <td< th=""><th>DESCRIPTION DATE BY FACILITY 03/25/20 MRG FACILITY 03/25/20 MRG LE ENERGY, LLC 13/12/4 13/12/4</th><th>LEGEND & NOTES DESCRIPTION DATE BY Issued for construction 03/25/20 MRd MRd Issued for construction 03/25/20 MRd MRd Stouington PV Solar Facility 03/25/20 MRd MRd Stouington V connecticut 03/25/20 MRd MRd Stouington, connecticut 03/25/20 MRd MRd</th><th>Image: State of the state</th></td<>	DESCRIPTION DATE BY FACILITY 03/25/20 MRG FACILITY 03/25/20 MRG LE ENERGY, LLC 13/12/4 13/12/4	LEGEND & NOTES DESCRIPTION DATE BY Issued for construction 03/25/20 MRd MRd Issued for construction 03/25/20 MRd MRd Stouington PV Solar Facility 03/25/20 MRd MRd Stouington V connecticut 03/25/20 MRd MRd Stouington, connecticut 03/25/20 MRd MRd	Image: State of the state
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FACILITY LE ENERGY, LLC	LEGEND & NOTES STONINGTON PV SOLAR FACILITY STONINGTON PV SOLAR FACILITY STONINGTON PV SOLAR FACILITY GREENSKIES RENEWABLE ENERGY, LLC 35 TAUGWONK SPUR ROAD STONINGTON, CONNECTICUT N.T.S.	LEGEND & NOTES LEGEND & NOTES STONINGTON PV SOLAR FACILITY STONINGTON PV SOLAR FACILITY STONINGTON PV SOLAR FACILITY MLARCH STORMAN SOUNDED IN SOLAR FOR MABLE ENERGY MARCH 52, 2000 DATE 6163-05	The second secon
LEGEND & NOTES STONINGTON PV SOLAR FACILITY GREENSKIES RENEWABLE ENERGY, LLC 35 TAUGWONK SPUR ROAD STONINGTON, CONNECTICUT	MRG HMM MRA DESIGNED DRAWN CHECKED N.T.S.	MRG DESIGNEDHMM DRAWNMRA CHECKEDN.T.S. SCALEMARCH 25, 2020 DATE6763-05	MRG HMM MRA DESIGNED DRAWN CHECKED DRAWN N.T.S. CHECKED SCALE N.T.S. CHECKED MARCH 25, 2''' 220 DATE 6763-05 CHECKED PROJECT NO. 02 OF 21 CHECKED
L	DESIGNED DRAWN CHECKED	DESIGNED DRAWN CHECKED N.T.S. SCALE MARCH 25, 2020 DATE 6763-05	DESIGNED DRAWN CHECKED N.T.S. SCALE MARCH 25, 2020 DATE PROJECT NO. 02 OF 21



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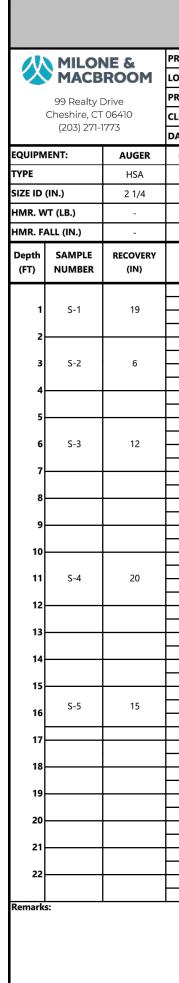
		NE &	PROJECT:	STONINGTON PV SOLAR FACILITY BORING NO.: MM-1							SHEET: 1 of 1					
\sim	MILO	ROOM	LOCATION:	35 TAUGWON	IK SPUR ROAD	, STONINGTO	N, CT	CONTRACTOR	: SITE, LLC	•						
	99 Realty	Drive	PROJ. NO:	6763-05				FOREMAN: J. I	DEANGELIS				_			
	Cheshire, Cl	Г 06410	CLIENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK							
	(203) 271-	1773	DATE:	NOVEMBER 2	1, 2019			GROUND SUR	FACE ELEVATION: ±192	.5'						
QUIPM	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:					
YPE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAN	/MER				
IZE ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-21			±2.0'		RIG MODEL:					
IMR. W	VT (LB.)	-	-	140	-											
IMR. F	ALL (IN.)	-	-	30	-						CME-55 LCX					
Depth	SAMPLE	RECOVERY	BLOWS		SOIL	AND ROCK CL	ASSIFICATI	ON-DESCRIPTIO	ON	۲.	STRATUM		Ţ			
(FT)	NUMBER	(IN)	PER 6"	BUR	MISTER SYST	EM (SOIL) U.S	CORPS OF	ENGINEERS S	STEM (ROCK)	DEPTH (FT.)	DESCRIPTION	ELEV.	···· ·			
			1					some Silt, trace					┿			
1	S-1	20	1	-					trace fine Gravel,	1.0'	TOPSOIL	191.5	t.			
'	2-1	20	3	trace Roots.]			
2	ļ		4	S-2: Modium	dense Ten 10	" Light brown	fine to mod:	um SAND and S	IIT trace fine	2.0'		190.5	-			
			6			-		ID, little fine to		3.0'	SUBSUIL	189.5	2			
3	S-2	24	12	little Silt.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,					1			
4			11													
				-												
5			12	S-3: Medium	dense, gray, fir	ne to coarse SA	ND, little Sil	, trace fine Grav	vel.							
6	S-3	2	13													
_			12 7	-												
7			1													
8																
Ů																
9				1												
10											GLACIAL TILL					
10			17	S-4: Very den	se, gray, fine to	o coarse SAND,	little fine to	coarse Gravel, l	ittle Silt.							
11	S-4	22	21 29													
12			50/4"													
12																
13				-												
14				1												
14]												
15			45	S-5: Verv den	se, arav. fine to	o coarse SAND	little fine G	avel, little Silt								
16	S-5	10	50/4"		5-5: Very dense, gray, fine to coarse SAND, little fine Gravel, little Silt.							176.7	·			
10						Bottom o	f Exploratior	±15.8']			
17				4												
10				1						l						
18]												
19				4												
20				1												
20]												
21				4												
				1												
22																
emark	s.				NON-F	PLASTIC	P	ASTIC	SAMPLE TYPE		PROPORTIO	NS				
anand					N = 0 - 4 = VE			VERY SOFT	C = ROCK CORE		trace = <10%					
					4-10 = LOC		2 - 4 =		S = SPLIT SPOON		little = 10% - 20%					
					10-30 = M 30-50 = DE		4-8 = 8-15 :		UP = UNDISTURBED PISTO UT = UNDISTURBED THINV		some = 20% - 35% and = 35% - 50%					
								= VERY STIFF			ana - 33%-30%					
							30 + =									

			PROJECT:	STONINGTON	PV SOLAR FA	CILITY		BORING NO.:	MM-4	SHEET	F: 1 of 1		
义	MILON		<u> </u>	35 TAUGWON			N. CT	CONTRACTOR		5			
			PROJ. NO:	6763-05			.,	FOREMAN: J. [· ·				
	99 Realty [Cheshire, CT		CLIENT:	GREENSKIES R		VERGY, LLC		INSPECTOR: R					
	(203) 271-1		DATE:	NOVEMBER 2					FACE ELEVATION: ±194	1.5'			
QUIPM		AUGER	CASING	SAMPLER	COREBRL.		GPO	UNDWATER D		+.J	TYPE OF RIG:		
	ENT.			SAMPLER	-	DATE					4		
SIZE ID (IN.) 2 1/4 - 1 3/8 - 2019-11-21 ±3.0'									WATER DEPTH		TRACK W/ AUTOHAN	VIIVIER	
										KIG MODEL.			
		-	-	140	-						CME-55 LCX		
MR. FA	ALL (IN.)	-	-	30	-								
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUR				ON-DESCRIPTIO		DEPTH (FT.)	STRATUM DESCRIPTION	elev. (FT.)	Domark
			1	-				ID, some Silt, tra		0.5'	TOPSOIL	194.0'	
1	S-1	14	1	trace Roots. B trace Roots.	ottom 8" Light	t brown, fine to	medium SA	ND and SILT, tra	ace fine Gravel,				
2			2								SUBSOIL		
2			3			5			T, trace fine Gravel,	2.5'		192.0	
3	S-2	20	10 16	trace Roots. B	ottom 12": Gra	ay, fine to coars	se SAND, litt	le fine to coarse	Gravel, little Silt.	3.0'	G.W.T V	191.5'	
4			15										
-				4									
5			5	S-3: Medium o	dense, grav, fir	ne to coarse SA	ND, some S	ilt, little fine to c	oarse Gravel.				
6	S-3	18	5				,						
Ŭ	55	10	7										
7			7	-									
8													
°													
9				4									
10				1							GLACIAL TILL		
			16	S-4: Medium o	dense, gray, fir	ne to coarse SA	ND, some fi	ne to coarse Gra	vel, little Silt.	1	SEAGAL HEL		
11	S-4	16	10 2	1									
12			5	1									
				4									
13				1									
14				1									
				4									
15			12	S-5: Dense, gr	ay, fine to coa	rse SAND, som	e fine to coa	arse Gravel, little	Silt.				
16	S-5	10	17										
			25 20	4						17.0'		177.5'	
17							1.1.0						
18				4									
_				4									
19				1									
20				4									
				4									
21				1									
22				4									
				-									
emarks	5:	l	1	1	NON-F	PLASTIC	PI	LASTIC	SAMPLE TYPE		PROPORTIC	INS	
					N = 0 - 4 = VEI			VERY SOFT			trace = <10%		
					4-10 = LOC 10-30 = MI	DSE EDIUM DENSE	2-4 = 4-8 =	SOFT MEDIUM	S = SPLIT SPOON UP = UNDISTURBED PISTO	N	little = 10% - 20% some = 20% - 35%		
					30-50 = DE			= STIFF	UT = UNDISTURBED THIN		and = 35% - 50%		
					50+ = VE								

10 22 S-4: Dense, gray, fine to coarse SAND, some fine to coarse Gravel, little Silt. 11 S-4 22 23 12 30 30 13				
STREET Location: 33 TAUGWONK SPUR ROAD, STONINGTON, CT CONTRACTOR: SITE, LLC 99 Realty, Drive (203) 271-1773 Incention: 60 Control: 60 Control: </th <th></th>				
Sector PROJ. NO: 6763-05 FOREMAR: J. DEANGELIS Chebring, CT 064:00 DATE GRUENSCIS RENEWABLE ENERGY, LLC INSPECTOR: R. GOWINGOCK COUPMENT: AUGER CASING SAMPLE COREMAR: J. DEANGELIS TYPE H5A - SS - DATE TWE RECOVERVATION: 187.5* TYPE H5A - SS - DATE TWE WATER DEPTH TRACK W, AI SZE ID (IN.) 2.1/4 - 1.3/8 - 2019-11:9 2.2.5* RIG MODEL HMR. VT (LGS) - - 1.40 - 1 2.5* CME 55 LCX HMR. VT (LGS) - - 1.40 - 1 2.5* CME 55 LCX HMR. VT (LGS) - - 1.40 - 1 CME 55 LCX 1 SAMPLE RECOVERY BURMISTER SYSTEM (SOL) U.S. CORPS OF ENGINEERS SYSTEM (ROLO CA SOL AND POCK CLASSIFICATION -DESCRIPTION EG EG SOL SAME DAWN, BRE Gravel, ITCE fine Gra				
Sharping Line Checking Construction Cleanting Construction				
CO31 (271-1773) Date: NOVEMBER 21, 2019 GROUND SURFACE LEVATION: ±187.5 EQUIPMENT: AUGER CASING SAMPLER COREBRL GROUND SURFACE LEVATION: ±187.5 TYPE 0 F RG TYPE HSA - SS - Date TME WATER DEPTH TRACK WA SEE ID (IN) 21/4 - 13/8 - Date TME WATER DEPTH TRACK WA MRK WT (LB) - 1.00 - Date TME WATER DEPTH TRACK WA MRK WT (LB) - - 1.00 - Date Date TME WATER DEPTH CME S5 LCX MIRK WT (LB) - - 30 - Date Date CME S5 LCX MIRK WT (LB) Sample Recovery BURNISTER SYSTEM (SOLI) U.S. CORS OF ENGINEERS SYSTEM (ROCK) Er G GL S5 LCX MUMBER 2.2 2 1 S-1: Vary loose, Top 8: Dark brown, fine to coarse SAND, and SILT, trace fine Gravel, 10 Source Roots. Bottom 18: Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. S-2: Medium dens				
DATE: NOVEMBER 21, 2019 CROUND SURFACE REVATION: ±187.5 TYPE of Ric Casing SAMPLER COREBIL GROUND WATER DEPTH TRACK W/ AI TYPE HISA - 55 - DATE TIME WATER DEPTH TRACK W/ AI SEEE ID (IN.) 2 1/4 - 1 3/8 - 2019-11-19 ±2.5' RIG MODEL HMR. VT (B.D.) - - 30 - 0				
Instrum Data Data Data Data Data Date				
SIZE ID (N.) 2 1/4 - 1 3/8 - 2019-11-19 100 100 RIG MODEL: HMR. WT (LB) - - 140 - 1 1 2.2.5 RIG MODEL: HMR. FALL (IN.) - - 30 - - 30 - CME-55 LCX Depth SAMPLE RECOVERY BLOWS SOIL AND ROCK CLASSIFICATION-DESCRIPTION Egg Classification (Rock)				
SIZE ID (N.) 2 1/4 - 1 3/8 - 2019-11-19 100 100 RIG MODEL: HMR. WT (LB) - - 140 - 1 1 2.2.5 RIG MODEL: HMR. FALL (IN.) - - 30 - - 30 - CME-55 LCX Depth SAMPLE RECOVERY BLOWS SOIL AND ROCK CLASSIFICATION-DESCRIPTION Egg Classification (Rock)	HAMMER			
Construction Construction<				
HMR. FALL (IN.) - - 30 - CME-55 LCX Depth NUMBER RECOVERY (IN) BLOWS SOIL AND ROCK CLASSIFICATION-DESCRIPTION Ed. STRAT 0 5-1 22 1 S-1: Very loose, Top 8": Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Rocks. Ed. STRAT Description Ed. Strate fine Gravel, trace fine Gravel, trace Rocks. Top Rock Classification fine to coarse SAND and Silt, trace fine Gravel, trace Rocks. Top Rock Classification fine to coarse SAND, and Silt, trace fine Gravel, trace Rocks. I.0" Top Rock Classification fine to coarse Gravel, little Silt. S.2: Medium dense, Top 6": Light brown, fine to coarse SAND, little fine to coarse Gravel, little Silt. S.3: Medium dense, gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. S.3: Medium dense, gray, fine to coarse SAND, some fine to coarse Gravel, little Silt. S.4: Dense, gray, fine to coarse SAND, some fine to coarse Gravel, little Silt. GLACIAL 1 5-4 22 22 23 30 30 30 30 30 30 1 5-4 22 22 23 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30				
Depth (FI) SAMPLE NUMBER RECOVERY (N) BLOWS PER 6" SOL AND ROCK CLASSIFICATION-DESCRIPTION BURMISTER SYSTEM (SOL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK) End End End (A) End (A) STRAT DESCRIP (A) 1 S-1 22 1 S-1: Very loose. Top 8": Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots. Bottom 14": Light brown, fine to medium SAND and Silt, trace fine Gravel, trace Roots. Bottom 14": Light brown, fine to medium SAND and Silt, trace fine Gravel, trace Roots. Bottom 18": Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 10' TOPSC 3 S-2 24 11 S-3: Medium dense, gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 30' 4 11 S-3 2 13 S-3: Medium dense, gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 30' 5 -3 2 13 S-4: Dense, gray, fine to coarse SAND, some fine to coarse Gravel, little Silt. GLACIAL 11 S-4 22 22 S-4: Dense, gray, fine to coarse SAND, some fine to coarse Gravel, little Silt. 16.4' 12				
S-1 22 1 S-1: Very lose, Top 8": Dark brown, fine to coarse SAND, some Silt, trace fine Gravel, trace Roots. Bottom 14: Light brown, fine to medium SAND and Silt, trace fine Gravel, trace Roots. 1.0" TOPSC 2 2 2 1 trace Roots. Bottom 14: Light brown, fine to medium SAND and Silt, trace fine Gravel, trace Roots. 1.0" SUBSC 3 S-2 24 7 trace Roots. Bottom 18": Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 2.5" G.W. 3 S-2 24 7 trace Roots. Bottom 18": Gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 3.0" 4 11 S-3 2 11 S-3: Medium dense, gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 3.0" 6 S-3 2 11 S-4: Dense, gray, fine to coarse SAND, some fine to coarse Gravel, little Silt. GLACIAL 10 22 23 30 2 14 11 S-4 22 22 3.0 3.14 11 S-4 22 22 3.0 3.14 11 S-4 22 2.2 3.0 3.14 12 30 16.4 16.4 16.4' 13 15 15 S-5: Very dense, gray, fine to coarse SAND, little fine to coarse Gr				
1 S-1 22 1 trace Roots. Bottom 14": Light brown, fine to medium SAND and Silt, trace fine Gravel, trace Roots. 1.0° 1.0° SUBSC 2 - - - - - SUBSC - - - SUBSC -				
1 5-1 22 2 trace Roots. Subscr 2 8 5-2 24 7 trace Roots. Subscr 3 5-2 24 7 trace Roots. Subscr Subscr 4 18 18 5-2 24 7 trace Roots. Subscr Subscr 2.5 Guv 4 18 18 18 18 18 30	105 5			
2 8 S-2 24 7 3 S-2 24 7 Trace Roots. Bottom 18": Gray, fine to coarse SAND, little fine to coarse Gravel, little Sit. 2.5' G.W. 3 S-2 24 7 Trace Roots. Bottom 18": Gray, fine to coarse SAND, little fine to coarse Gravel, little Sit. 3.0''''''''''''''''''''''''''''''''''''	186.5'			
3 5-2 24 13				
3 5-2 24 13	V 185.0'			
4 18 5	184.5'			
6 S-3 2 13 14 11 7 11 11 11 11 11 11 8 1 1				
6 S-3 2 13 14 11 7 11 11 11 11 11 11 8 1 1				
6 S-3 2 13 14 11 7 11 11 11 11 11 11 8 1 1				
6 5-3 2 14 11 7 11 11 11 8 - - - 9 - - - 10 - - - 11 5-4 22 22 23 - - - 12 - - - 13 - - - 14 - - - 15 - - - 16 5-5 10 18 - 17 - - - - 18 - - - -				
8 -				
9				
9				
10 22 S-4: Dense, gray, fine to coarse SAND, some fine to coarse Gravel, little Silt. GLACIAL 11 S-4 22 22 23 30				
10 22 22 11 S-4 22 22 23 30 30 12 30 30 13				
10 22 22 11 S-4 22 22 23 30 30 12 30 30 13	GLACIAL TILL			
11 S-4 22 23 12 30 13				
12 30 13				
12				
14 14 15 15 16 S-5 10 18 50/5" 50/5" 17 16 18 16				
14 14 15 15 16 S-5 10 18 50/5" 50/5" 17 16 18 16				
15 15 15 S-5: Very dense, gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 16.4' 16 50/5" 10 18 16.4' 17 0 0 16.4' 18 0 0 0				
16 S-5 10 15 18 S-5: Very dense, gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 16 50/5" 16.4' 17 Bottom of Exploration 16.4' 18 Image: Comparison of the second secon				
16 S-5 10 15 18 S-5: Very dense, gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. 16 50/5" 16.4' 17 Bottom of Exploration 16.4' 18 Image: Comparison of Exploration 16.4'				
16 50/5" 16.4' 17				
17 Bottom of Exploration 16.4' 18	171.1'			
18				
20				
22				
	L			
N = 0 - 4 = VERY LOOSE N = 0 - 2 = VERY SOFT C = ROCK CORE trace = <109 4-10 = LOOSE 2 - 4 = SOFT S = SPLIT SPOON little = 10%	RTIONS			
4-10 = LOOSE 2 - 4 = SOFT S = SPLIT SPOON little = 10% 10-30 = MEDIUM DENSE 4 - 8 = MEDIUM UP = UNDISTURBED PISTON some = 20%				
30-50 = DENSE 8 -15 = STIFF UT = UNDISTURBED THINWALL and = 35%	%			
50+ = VERY DENSE 15-30 = VERY STIFF 30 + = HARD	%			

1.1.5		JE &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-3	SHEET	Г: 1 of 1		
X	MILON	ROOM	LOCATION:	35 TAUGWON	IK SPUR ROAD	, STONINGTO	N, CT	CONTRACTOR	SITE, LLC				_
	99 Realty [PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS				-
(Cheshire, CT		CLIENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK				
	(203) 271-	773	DATE:	NOVEMBER 2	1, 2019			GROUND SUR	FACE ELEVATION: ±18	35.0'			
QUIPM	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:		-
YPE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAI	MMER	
IZE ID ((IN.)	2 1/4	-	1 3/8	-	2019-11-21			±2.0'		RIG MODEL:		-
IMR. W	. ,	,, .	-	140	_				12.0				
	ALL (IN.)	-	-	30	-						CME-55 LCX		
				50			ASSIEICATI		ON	T-		Τ.	т
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUR				ON-DESCRIPTI	YSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	
			1	-				ID, some Silt, tra		1.0'	TOPSOIL	194.0	ļ
1	S-1	20	1 WOH	trace Roots. B trace Roots.	ottom 12 : LIG	nt brown, tine t	to mealum :	SAND and SILL,	little fine Gravel,	1.0'	SUBSOIL	184.0'	$\left \right $
2			11	1						2.0' 2.5'	G.W.T 🔻	183.0'	
-			9 12			J			LT, little fine Gravel, e to coarse Gravel.	2.5'		182.5'	1
3	S-2	24	12	trace Roots. B	ottom 20 : Gra	ay, fine to coars	se sand, so	me siit, little fin	e to coarse Gravel.				
4			13	1									
				4									
5			21	S-3: Medium (dense, gray, fir	ne to coarse SA	ND, some fi	ne to coarse Gra	avel, little Silt.				
6	S-3	17	12	1									
			10 13	-									
7			15	1									
8				1									
-				-									
9				1									
10											GLACIAL TILL		
			24 26	S-4: Very dens	se, gray, fine to	o coarse SAND,	little fine to	coarse Gravel,	ittle Silt.				
11	S-4	19	34										
12			27										
				{									
13				1									
14				4									
_				1									
15			30	S-5: Very dens	se, gray, fine to	o coarse SAND,	little fine to	coarse Gravel,	ittle Silt.				
16	S-5	15	28 29	4									
17			50/3"	1						16.8'		168.2'	4
17				-		Bottom o	f Exploration	n ±16.8'					1
18				4									
19				1									
19				4									
20				4									
21				1									
- '				4									
22				1									
				1									
emarks	5:				NON-F			LASTIC = VERY SOFT	SAMPLE TYPE C = ROCK CORE		PROPORTIO	ONS	_
					N = 0 - 4 = VE 4-10 = LOC			SOFT	S = SPLIT SPOON		trace = <10% little = 10% - 20%		
					10-30 = M 30-50 = DE	EDIUM DENSE		= MEDIUM = STIFF	UP = UNDISTURBED PIST UT = UNDISTURBED THI		some = 20% - 35% and = 35% - 50%		

					B	ORIN	IG LO	DG						
		NE &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-5	SHEE	T: 1 of 1			
	MACE	NE & ROOM	LOCATION:	35 TAUGWON	NK SPUR ROAD	, STONINGTO	N, CT	CONTRACTO	R: SITE, LLC					
	99 Realty	Drive	PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS					
	Cheshire, C	Г 06410	CLIENT:	GREENSKIES I	RENEWABLE EN	NERGY, LLC		INSPECTOR: F	R. GOWISNOCK					
	(203) 271-	1773	DATE:	NOVEMBER 2	1, 2019			GROUND SUF	FACE ELEVATION: ±199	9.0'				
EQUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:			
ТҮРЕ		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAM	MER		
SIZE ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-21			±2.7'		RIG MODEL:			
HMR. W	/T (LB.)	-	-	140	-									
HMR. F	ALL (IN.)	-	-	30	-						CME-55 LCX			
Depth	SAMPLE	RECOVERY	BLOWS		SOIL	AND ROCK CL	ASSIFICATI	I ON-DESCRIPTI	ON	Ξa	STRATUM		ť	
(FT)	NUMBER	(IN)	PER 6"	BUE					YSTEM (ROCK)	DEPTH (FT.)	DESCRIPTION	ELEV.	Remark	
. ,			1					ID, some Silt, tra		0.5'	TOPSOIL	198.5	· ~	
1	S-1	10	WOH						race fine Gravel,				1	
I '	5-1	10	1	trace Roots.							SUBSOIL			
2			3	S-2: Medium	dense, Top 3":	Light brown, f	ine to mediu	m SAND and SI	LT, trace fine Gravel,	2.5'		196.5		
3	S-2	18	8			-		nd SILT, trace fi		2.5' 2.7'	G.W.T 🔻	196.3	-	
-			12 15	-										
4			15	1										
5]										
			8	S-3: Medium	dense, gray fin	e to coarse SA	ND, some Si	lt, trace fine Gra	ivel.					
6	S-3	20	4	1										
7			8]										
				4										
8				-										
9]										
				-							GLACIAL TILL			
10			20	S-4: Very den	se, gray, fine to	o coarse SAND	, little fine to	coarse Gravel,	little Silt.					
11	S-4	23	37 32	-										
12			28	-										
12]										
13				-										
14														
				4										
15			30	S-5: Very den:	se, gray, fine to									
16	S-5	8	50/4"			15.8'		183.2	'					
				-										
17				1										
18				4										
				1										
19				1										
20				4										
21				1										
21														
22				-										
				1	<u></u>									
Remark	s:				NON-F			LASTIC = VERY SOFT	SAMPLE TYPE C = ROCK CORE		PROPORTION trace = <10%	NS		
1					4-10 = LOC			SOFT	S = SPLIT SPOON		trace = < 10% little = 10% - 20%			
Ĩ						EDIUM DENSE		MEDIUM	UP = UNDISTURBED PISTO		some = 20% - 35%			
1					30-50 = DE 50+ = VE	ENSE RY DENSE		= STIFF = VERY STIFF	UT = UNDISTURBED THIN	WALL	and = 35% - 50%			
								HARD						



		В	ORIN	G LO	OG					
OJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-6	SHEET	Г: 1 of 1		
CATION:	35 TAUGWON	IK SPUR ROAD	, STONINGTOI	N, CT	CONTRACTOR	: SITE, LLC				
OJ. NO:	6763-05				FOREMAN: J. [DEANGELIS				
IENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK				
TE:	NOVEMBER 2	1, 2019			GROUND SUR	FACE ELEVATION: ±191	.5'			
CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:		
-	SS	-	DATE	ТІМЕ		WATER DEPTH		TRACK W/ AUTOHAM	MER	
-	1 3/8	-	2019-11-21			±3.0'		RIG MODEL:		
-	140	-				20.0				
-	30	-						CME-55 LCX		
BLOWS PER 6"							DEPTH (FT.)	STRATUM DESCRIPTION	elev. (FT.)	Remark
					F ENGINEERS S	ce fine Gravel, trace	• - 0.5'	TOPSOIL		ã
WOH 1	-		-			fine Gravel, trace	0.5	TOPSOIL	191.0'	
1	Roots.							SUBSOIL		
1 0		1 5			AND and SILL, tr tle Silt, trace fine	ace fine Gravel, trace e Gravel.	3.0'	G.W.T 🔻	188.5'	
3				-	·		3.5'		188.0'	
13	-									
8 25 13 13	S-3: Dense, gr	ray, fine to coa	rse SAND, little	e Silt, trace fi	ine Gravel.					
20 24 33 42	S-4: Very dens	se, gray, fine to	o coarse SAND,	, little fine to	o coarse Gravel, I	ittle Silt.		GLACIAL TILL		
51 47 50/4"	S-5: Very dens	se, gray, fine to		, little fine to of Exploration	o coarse Gravel, l n ±16.3'	ittle Silt.	16.3'		175.2'	
		N = 0 - 4 = VE	PLASTIC RY LOOSE		LASTIC	SAMPLE TYPE C = ROCK CORE		PROPORTION trace = <10%		
		30-50 = DE	EDIUM DENSE	4 - 8 = 8 -15 15-30	= SOFT = MEDIUM = STIFF = VERY STIFF = HARD	S = SPLIT SPOON UP = UNDISTURBED PISTO UT = UNDISTURBED THINN		little = 10% - 20% some = 20% - 35% and = 35% - 50%		

BORING LOGS DESCRIPTION DATE BY BORING LOGS DESCRIPTION DATE BY Issued For construction 0325/20 MRD STONINGTON PV SOLAR FACILITY 0325/20 MRD STONINGTON PV SOLAR FACILITY 0325/20 MRD GREENSKIES RENEWABLE ENERGY, LLC 0325/20 MRD 35 TAUGWONK SPUR ROAD ISSUED FOR CONSTRUCTION ISSUED FOR CONSTRUCTION 35 TAUGWONK SPUR ROAD ISSUED FOR CONSTRUCTION ISSUED FOR CONSTRUCTION
NG LOGS DESCRIPTION DATE NG TON PV SOLAR FACILITY ISSUED FOR CONSTRUCTION 0325/20 NGTON PV SOLAR FACILITY ISSUED FOR CONSTRUCTION 0325/20 NSKIES RENEWABLE ENERGY, LLC ISSUED FOR CONSTRUCTION 0325/20 GONK SPUR ROAD ISSUED FOR CONSTRUCTION ISSUED FOR CONSTRUCTION
NG LOGS Description NG TON PV SOLAR FACILITY Issued For construction NSKIES RENEWABLE ENERGY, LLC Issued For construction Swonk SPUR ROAD Issued For construction GTON, CONNECTICUT Issued For construction
VG LOGS NGTON PV SOLAR FACILITY VSKIES RENEWABLE ENERGY, LLC SWONK SPUR ROAD GTON, CONNECTICUT SSUED FOR CONSTRUCTION
VG LOGS NGTON PV SOLAR FACILITY VSKIES RENEWABLE ENERGY, LLC SWONK SPUR ROAD GTON, CONNECTICUT SOLED FOR
BORING LOGS STONINGTON PV SOLAR FACILITY GREENSKIES RENEWABLE ENERGY, LLC 35 TAUGWONK SPUR ROAD 35 TAUGWONK SPUR ROAD STONINGTON, CONNECTICUT
MRG HMM MRG DESIGNED DRAWN CHECKED
N.T.S.
MARCH 25, 2020
PROJECT NO. 03 OF 21 SHEET NO.
BL-1

\DESIGN\6763-05-DE\CAD\ST-BORINGLOSS.DWG Layout Tab:BL-2 HEATHERM On this date: Wed, 2020 March 25 - 12:32pm	••	÷.
DE\CAD\ST-BORINGLOGS.DWG Layout this date: Wed, 2020 March 25	HEATHERM	DESIGN 6763-
DE\CAD\ST-BORINGLOGS.DWG Layout this date: Wed, 2020 March 25	9	5-
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	2:32pm	Tab:BL—2

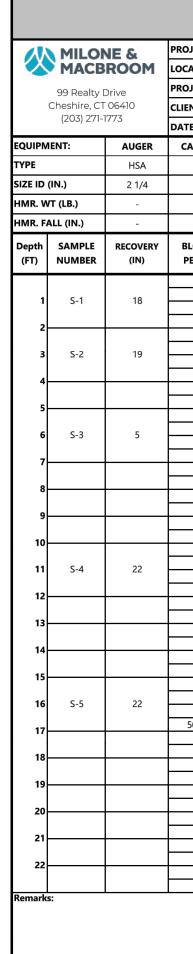
TOHAMMER
TOHAMMER
M
ELEV. W
IL 184.
IL
182.
V 182.
TILL
168.
ROBTIONS
PORTIONS
20%

	MILO	JE &	PROJECT:	STONINGTON	PV SOLAR FA	CILITY		BORING NO.:	MM-10	SHEE	T: 1 of 1	
\mathcal{X}	MILON		LOCATION:	35 TAUGWON	IK SPUR ROAD	, STONINGTO	N, CT	CONTRACTO	R: SITE, LLC			
	99 Realty [PROJ. NO:	6763-05				FOREMAN: J.				
C	Cheshire, CT		CLIENT:	GREENSKIES R	ENEWABLE EN	NERGY, LLC		INSPECTOR:	R. GOWISNOCK			
	(203) 271-1	1773	DATE:	NOVEMBER 22	2, 2019			GROUND SU	RFACE ELEVATION: ±19	6.0'		
UIPME	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:	
PE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAM	1MER
E ID (I	IN.)	2 1/4	-	1 3/8	-	2019-11-22			±2.0'		RIG MODEL:	
1R. W1	Г (LB.)	-	-	140	-						1	
IR. FA	LL (IN.)	-	-	30	-						CME-55 LCX	
pth T)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUR				ON-DESCRIPT	ON YSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV.
			1						ace fine Gravel,			
1	S-1	20	1	trace Roots. B					trace fine Gravel,	1.0'	TOPSOIL	195.0
			0	trace Roots.						2.0'		194.0
2			6			-			ILT, trace fine Gravel,	2.5'	<u> </u>	193.
3	S-2	22	7	trace Roots. B	ottom 20": Gra	ay, fine to coar	se SAND, so	me Silt, little fin	e to coarse Gravel.			
4			0 11									
Ţ												
5			7	S-3: Medium d	dense, gray, fin	ne to coarse SA	AND, little fin	e to coarse Gra	vel, little Silt.			
6	S-3	12	7									
_			9 11									
7				1								
8-											GLACIAL TILL	
9				1								
10			16	S-4: Dense, gr	ay, fine to coa	rse SAND, little	e fine to coai	rse Gravel, little	Silt.			
11	S-4	18	23 26									
12			32									
13-												
14						Bottom	of Exploration	n +14 2'		14.2'		181.
15						BOLLOINC		1 ± 17.2				
16												
17												
10				1								
18-]								
19												
20				1								
21				1								
22												
							-					
narks:	: 1. Auger ref	usal at approxi	mately ± 14.2 .		NON-P N = 0 - 4 = VEI	PLASTIC RY LOOSE		LASTIC	SAMPLE TYPE C = ROCK CORE		PROPORTIO trace = <10%	NS
					4-10 = LOO	DSE	2 - 4 =	SOFT	S = SPLIT SPOON		little = 10% - 20%	
					10-30 = ME 30-50 = DE	EDIUM DENSE		MEDIUM	UP = UNDISTURBED PIST UT = UNDISTURBED THIN		some = 20% - 35% and = 35% - 50%	
									I ST - STORIGIONDED I MIN		ana - 33/0-30/0	

			PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-8	SHEET	1 of 1		
X	MILO			35 TAUGWON			N, CT	CONTRACTOR					
-	99 Realty I		PROJ. NO:	6763-05		,	••	FOREMAN: J. I					
	Cheshire, Cl		CLIENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK				
	(203) 271-	1773	DATE:	NOVEMBER 2	2, 2019			GROUND SUR	FACE ELEVATION: ±190	.5'			
QUIPM	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRC	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	-	2019-11-22			±4.0'		RIG MODEL:		
IMR. W	T (LB.)	-	-	140	-				1.0				
	ALL (IN.)	-	-	30	-						CME-55 LCX		
						AND ROCK CL	ASSIFICATI	I ON-DESCRIPTI	ÔN	Ξo	CTDATUM		ť
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUF				F ENGINEERS S		DEPTH (FT.)	STRATUM DESCRIPTION	elev. (FT.)	Remai
			WOH					ND, some Silt, t		1.01	TOPSOIL	100 5	
1	S-1	22	1	trace Roots. B	lottom 11": Lig	nt brown, fine	to mealum	SAND and SILL,	trace fine Gravel,	1.0'		189.5	-
2			8	1							SUBSOIL		
			7			•			LT, trace fine Gravel, ittle fine to coarse	2.5'		188.0	-
3	S-2	22	10	Gravel.		y brown, nne	to course sr	and, some sit, i		Î.			
4			10							4.0'	G.W.T 🔻	186.5	-
-				-									
5			6	S-3: Dense, gr	ray, fine to coa	rse SAND, little	e fine to coa	rse Gravel, little	Silt.				
6	S-3	18	16 14	-									
7			12	1									
-				-									
8													
9													
10				-							GLACIAL TILL		
10			20	S-4: Very den	se, gray, fine to	coarse SAND,	little fine to	o coarse Gravel,	ittle Silt.				
11	S-4	24	27 24	-									
12			21	1									
				-									
13				1									
14				-									
15													
			18 25	S-5: Dense, gr	ray, fine to coa	rse SAND, little	e fine to coa	rse Gravel, little	Silt.				
16	S-5	24	23	1									
17			48			Bottomo	f Exxploratio	n +170'		17.0'		173.5	-
18				-		Bottom o		in ±17.0					
10]									
19				-									
20				1									
				-									
21													
22				-									
				-									
lemark	5:								SAMPLE TYPE		PROPORTIO	NS	
					N = 0 - 4 = VE 4-10 = LOC			= VERY SOFT = SOFT	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%		
						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%		
								= HARD					

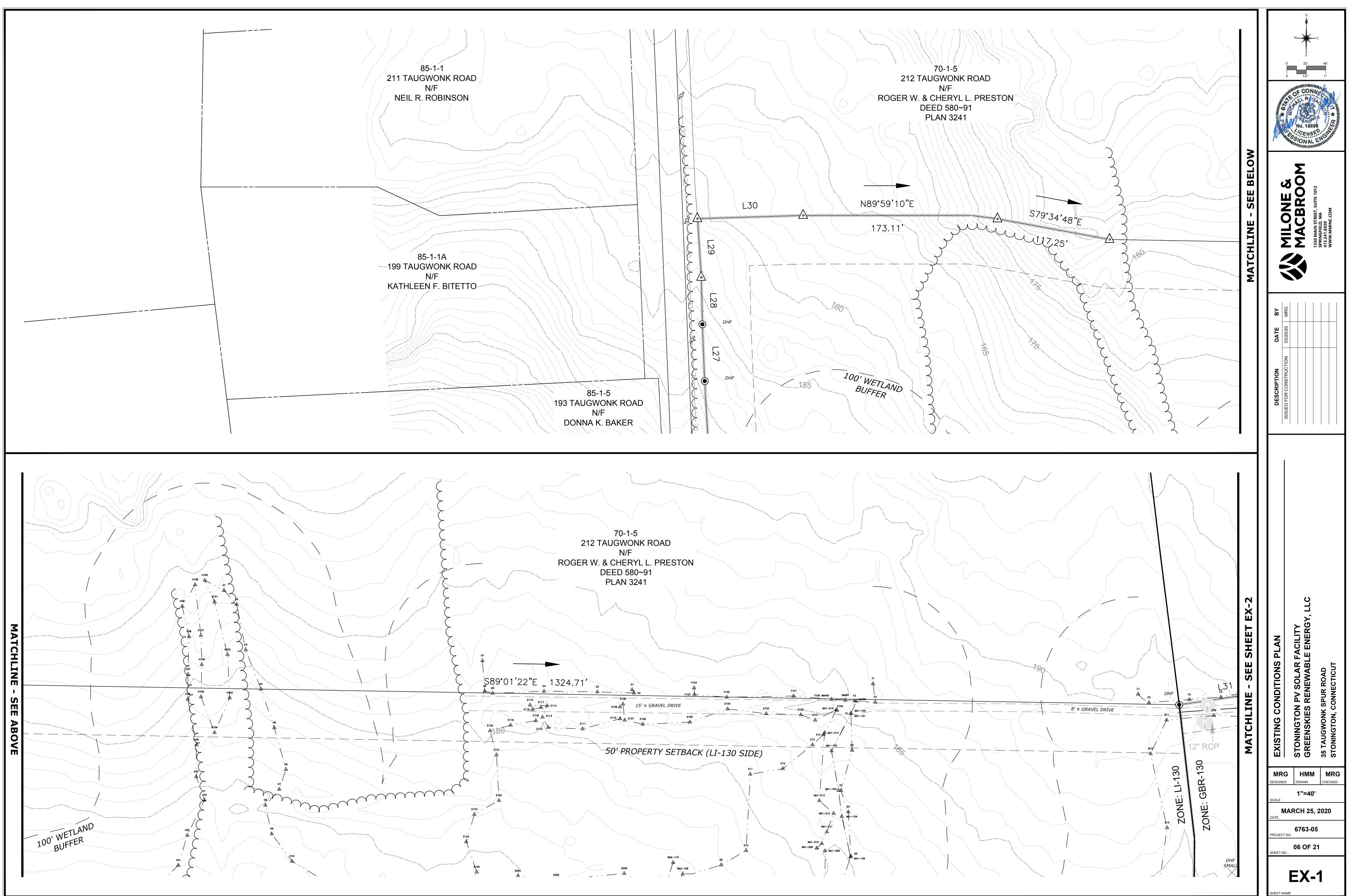
		NF &	PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-9	SHEET	Г: 1 of 1		Τ
X	MILON	ROOM	LOCATION:	35 TAUGWON	IK SPUR ROAD	, STONINGTOI	N, CT	CONTRACTOR	: SITE, LLC	•			_
	99 Realty [Drive	PROJ. NO:	6763-05				FOREMAN: J.	DEANGELIS				_
	Cheshire, CT		CLIENT:	GREENSKIES F	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK				
	(203) 271-	1773	DATE:	NOVEMBER 2	2, 2019			GROUND SUR	FACE ELEVATION: ±193	.0'			-
QUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRC	UNDWATER D	EPTH (FT.)		TYPE OF RIG:		-
YPE		HSA	-	SS	-	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAM	1 MER	
IZE ID	(IN.)	2 1/4	-	1 3/8	-	2019-11-22			±3.5'		RIG MODEL:		
IMR. W	VT (LB.)	-	-	140	-				20.0				
	ALL (IN.)	-	-	30	-						CME-55 LCX		
		DECOVERY	BL OWC		SOIL	AND ROCK CL	ASSIFICATI	I ON-DESCRIPTI	ON	Ξ	CTRATUNA		Γ
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"		MISTER SYST	EM (SOIL) U.S	. CORPS O	F ENGINEERS S	YSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	elev. (FT.)	·
			1						race fine Gravel, ace fine Gravel,	1.0'	TOPSOIL	192.0	
1	S-1	16	1	trace Roots. B	stion 4 . Ligh	t brown, nne u	s meanann S	ייים אייי אייי	ace file Glavel,	. <u></u>		192.0	1
2			2		ա Դիլեեսի է և	6	dius caso		fine Crews!		SUBSOIL	100 5	
_			1					and SILT, trace		2.5'		190.5	+
3	S-2	8	28	little Silt.	-					3.5'	G.W.T 🔻	189.5	1
4			26	1									
5				-									
,			5	S-3: Loose, gr	ay, fine to coai	rse SAND, som	e Silt, trace	fine Gravel.					
6	S-3	21	3										
7			5										
-													
8											GLACIAL TILL		
9				-									
10				1									
10			12	S-4: Very dens	se, gray, fine to	o coarse SAND,	little fine to	coarse Gravel,	ittle Silt.				
11	S-4	22	27 32	-									
12			36	1									
				-									
13													
14				4						14.8'		178.2	
10						Bottom o	f Exploratio	n ±14.8'		14.0		170.2	1
15]									
16				1									
17				1									
				4									
18				1									
19				4									
20				1									
20				4									
21				1									
22]									
				4									
emark	s: 1. Auger ref	usal at approxi	mately ±14.8'.	•		PLASTIC		LASTIC	SAMPLE TYPE	1	PROPORTIO	NS	<u> </u>
					N = 0 - 4 = VE 4-10 = LOC			 VERY SOFT SOFT 	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%		
						EDIUM DENSE		MEDIUM	UP = UNDISTURBED PISTO	N	some = 20% - 35%		
					30-50 = DE			= STIFF	UT = UNDISTURBED THIN	WALL	and = 35% - 50%		
					50+ = VE	RY DENSE		= VERY STIFF HARD					

	MILO		PROJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO .:	MM-11	SH	EET	: 1 of 1		
X	MILO	NE & ROOM	LOCATION:				N. CT	CONTRACTOR		1.1.1				
			PROJ. NO:	6763-05		, 51014110101	4, 61	FOREMAN: J.						
	99 Realty [Cheshire, CT		CLIENT:			IEPGV LLC		INSPECTOR: R						
	(203) 271-		DATE:	NOVEMBER 2		NERGT, EEC			FACE ELEVATION: ±19	5 5'				
QUIPN		AUGER					CRC	UNDWATER D		5.5		TYPE OF RIG:		
YPE		HSA	CASING	SAMPLER	COREBRL.	DATE	TIME				_	TRACK W/ AUTOHAM	MED	
			-	SS			TIME		WATER DEPTH		_	RIG MODEL:	IVIER	
		2 1/4		1 3/8	-	2019-11-22			±2.5'		_			
	/T (LB.)	-	-	140	-						_	CME-55 LCX		
	ALL (IN.)	-	-	30	-					T_	_			
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BUF				ON-DESCRIPTI		DEPTH	Ξ.	STRATUM DESCRIPTION	elev. (FT.)	Remark
			1	-				ID, some Silt, tra		0.5		TOPSOIL	195.0'	
1	S-1	22	1	trace Roots. B trace Roots.	ottom 17": Lig	ht brown, fine	to medium	SAND and SILT,	trace fine Gravel,					
-			1	trace ROOTS.								SUBSOIL		
2			2	-		-			ILT, trace fine Gravel,	2.5		G.W.T 🔻	193.0'	
3	S-2	22	6 12	trace Roots. B Gravel.	ottom 11": Gra	ay-brown, fine	to coarse SA	ND, some Silt, l	ittle fine to coarse	3.0			192.5'	1
			12											
4]										
5			6	S-3: Medium	dense, arav, fir	ne to coarse SA	ND. little fir	e to coarse Grav	vel, little Silt.					
6	S-3	19	14				,		-,					
Ŭ	55	15	8											
7			4	-										
8														
Ũ				-										
9				-										
10				1								GLACIAL TILL		
			19 21	S-4: Dense, gi	ray, fine to coa	rse SAND, som	e fine to co	arse Gravel, little	Silt.	1				
11	S-4	16	24	_										
12			30]										
				-										
13														
14				-										
				1										
15			20	S-5: Dense, gi	ay, fine to coa	rse SAND, little	fine to coa	rse Gravel, little	Silt.					
16	S-5	24	26 20	4										
17			34	1						17.0)'		178.5'	
17						Bottom o	f Exploratio	n ±17.0'			-]
18			<u> </u>	-										
19				1										
				4										
20				1										
21				1										
				4										
22		ļ		1										
				1										
emark	5:				NON-I N = 0 - 4 = VE	PLASTIC RY LOOSE		LASTIC = VERY SOFT	SAMPLE TYPE C = ROCK CORE		+	PROPORTIO	NS	
					4-10 = LOC			SOFT	S = SPLIT SPOON			little = 10% - 20%		
						EDIUM DENSE		MEDIUM				some = 20% - 35%		
					30-50 = DE 50+ = VE	ENSE RY DENSE		= STIFF = VERY STIFF	UT = UNDISTURBED THIN	WALL		and = 35% - 50%		
								HARD						

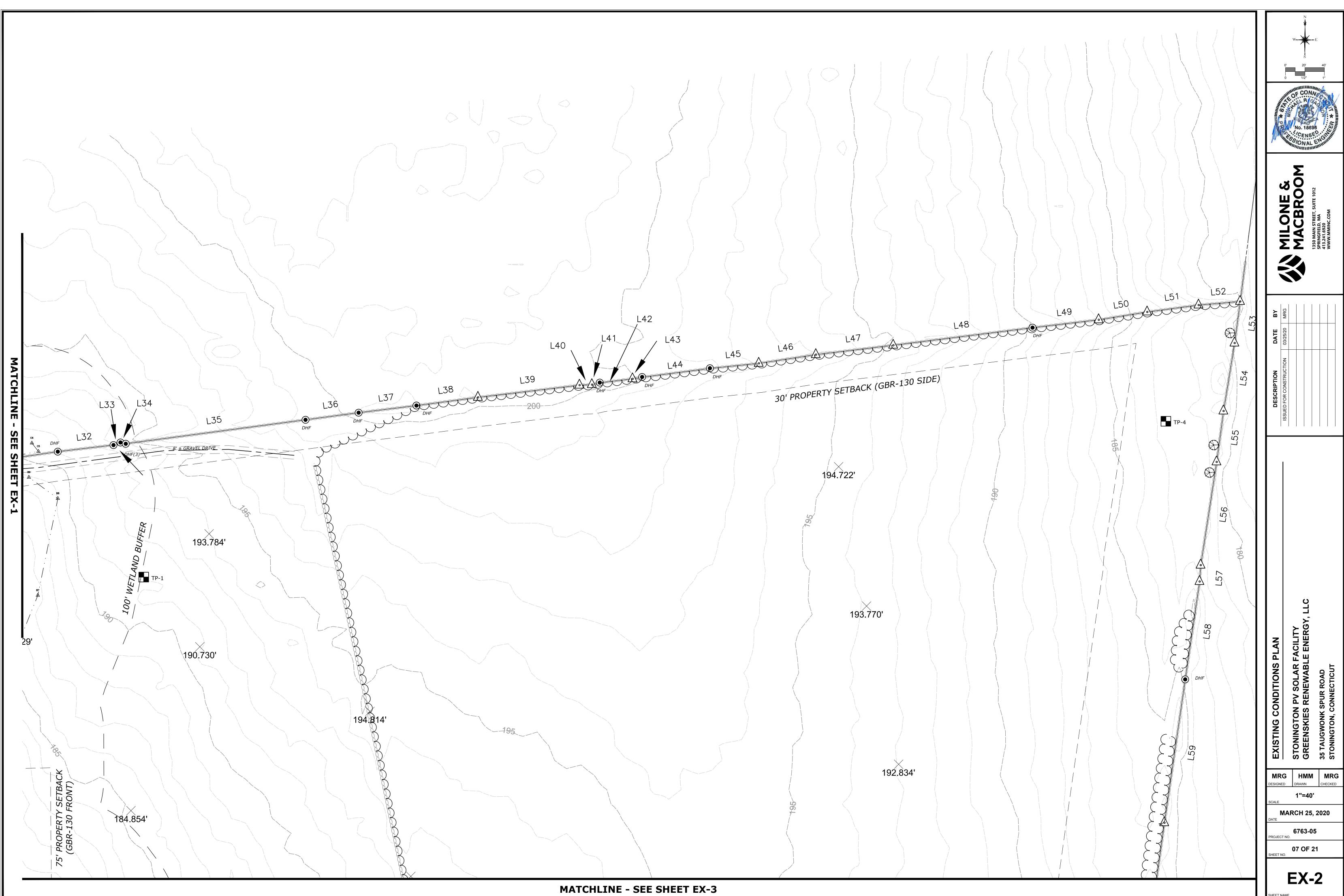


		B	ORIN	G LC	COG					
OJECT:	STONINGTON	I PV SOLAR FA	CILITY		BORING NO.:	MM-12	SHEET	:1 of 1		
CATION:	35 TAUGWON	IK SPUR ROAD		N, CT	CONTRACTOR	: SITE, LLC				
DJ. NO:	6763-05				FOREMAN: J. [DEANGELIS				
ENT:	GREENSKIES R	RENEWABLE EN	NERGY, LLC		INSPECTOR: R	. GOWISNOCK				
TE:	NOVEMBER 2	2, 2019			GROUND SUR	FACE ELEVATION: ±194	0'			
ASING	SAMPLER	COREBRL.		GRO	UNDWATER DI	EPTH (FT.)		TYPE OF RIG:		
-	SS	_	DATE	TIME		WATER DEPTH		TRACK W/ AUTOHAM	MER	
-	1 3/8	-	2019-11-22			±4.0'		RIG MODEL:		
-	140	-				14.0				
-	30							CME-55 LCX		
BLOWS PER 6"	BUR	MISTER SYST	EM (SOIL) U.S	5. CORPS OF	I ON-DESCRIPTIO ENGINEERS S	STEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	elev. (FT.)	Remark
	-				ID, some Silt, tra		1.01	TOPSOIL	102.01	
1	trace Roots. B trace Roots.	ottom 9 : Ligh	t brown, fine to	5 meaium SA	AND and SILT, tr	ace fine Gravel,	1.0'		193.0'	
1								SUBSOIL		
		•	•			T, trace fine Gravel, Gravel, some Silt.	2.5'		191.5'	
11				, , ,				_	Ĩ	
9							4.0'	G.W.T 🗸	190.0'	
4	S-3: Medium o	dense, gray, fir	ne to coarse SA	ND, some Si	ilt, little fine to c	oarse Gravel.				
7 6 19 31 34 28	S-4: Very dens	se, gray, fine to	o coarse SAND,	little fine to	o coarse Gravel, l	ittle Silt.		GLACIAL TILL		
16 26 43 50/4"	S-5: Very dens	se, gray, fine to			coarse Gravel, I	ittle Silt.	16.8'		177.2'	
			BOTTOM 0	f Exploratior	1 ± 10.8					
		NON-F	PLASTIC	PI	LASTIC	SAMPLE TYPE	I	PROPORTION	IS	
		N = 0 - 4 = VE			VERY SOFT			trace = <10%		
		4-10 = LOC 10-30 = MI	EDIUM DENSE	2-4 = 4-8 =	MEDIUM	S = SPLIT SPOON UP = UNDISTURBED PISTO	N	little = 10% - 20% some = 20% - 35%		
		30-50 = DE		8 - 15 =		UT = UNDISTURBED THINV		and = 35% - 50%		
		50+ = VE	RY DENSE	15-30 30 + =	= VERY STIFF					
				50+=						

	Inter O	F CON		
	L'SS SAME	No. 188 CENS	96 ED	The ER *
	MILONE &	MACBROOM	1350 MAIN STREET, SUITE 1012 SPRINGFIELD, MA 413.241.6920	WWW.MMINC.COM
DATE BY	03/25/20 MRG			
DESCRIPTION	ISSUED FOR CONSTRUCTION			
				ISSUED FOR CONSTRUCTION
BORING LOGS		GREENSKIES RENEWABLE ENERGY, LLC	35 TAUGWONK SPUR ROAD	STONINGTON, CONNECTICUT
MR DESIGNI SCALE		HMN DRAWN N.T.S	CHE	NRG ICKED
DATE PROJEC	ET NO.	CH 25 5763-0)5	0
SHEET	NO.	3 OF		
SHEET		╵┗╴╹	-	



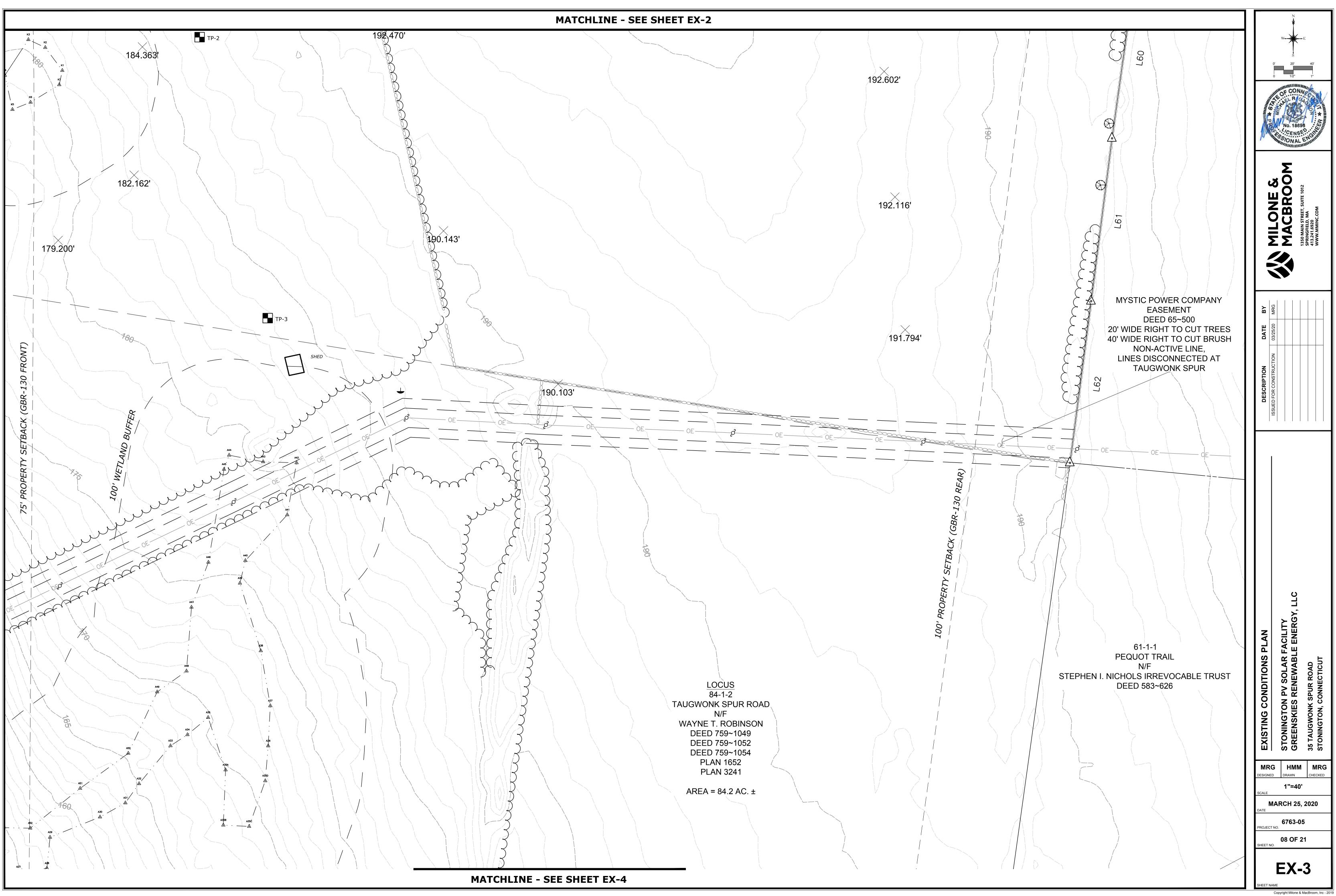


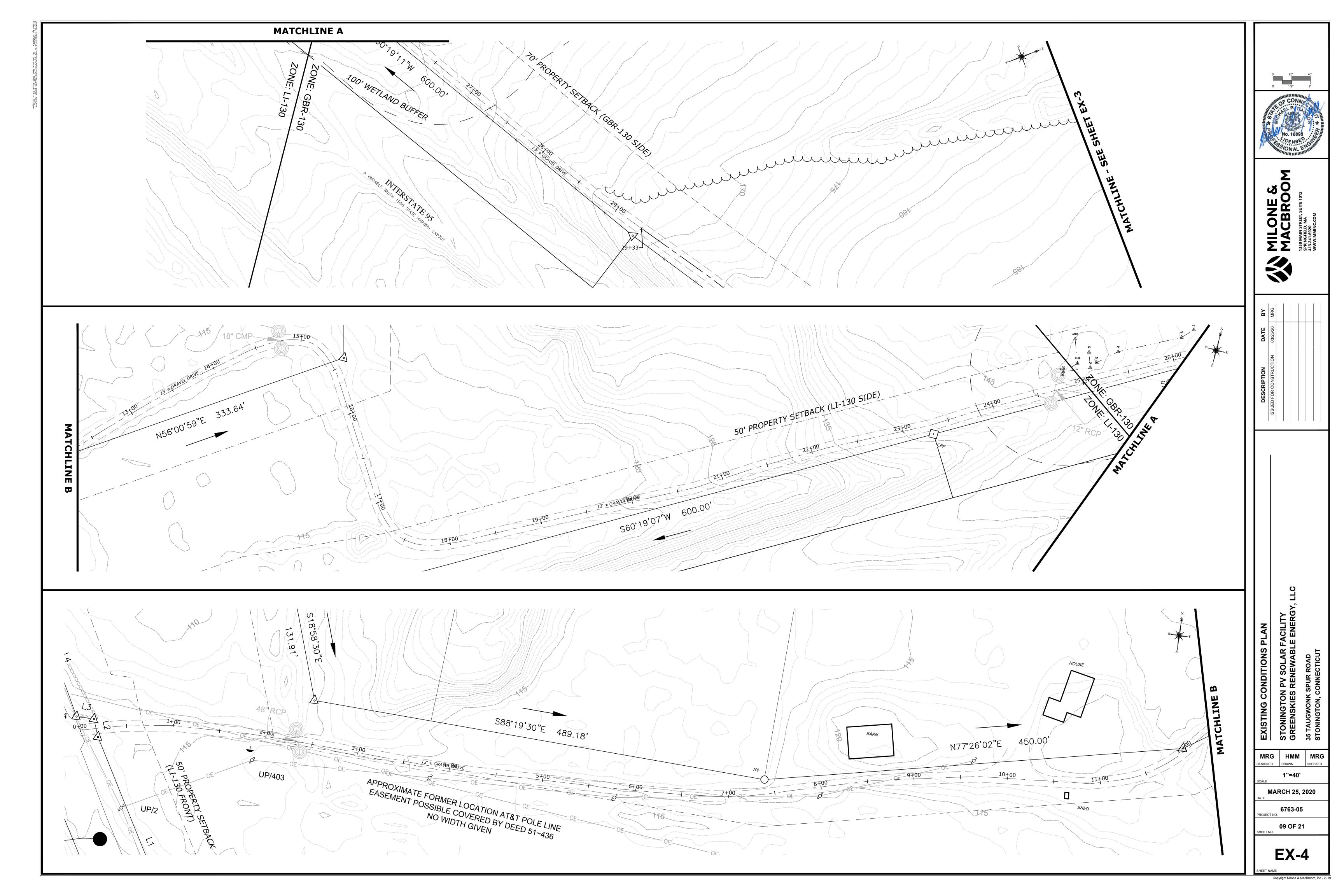


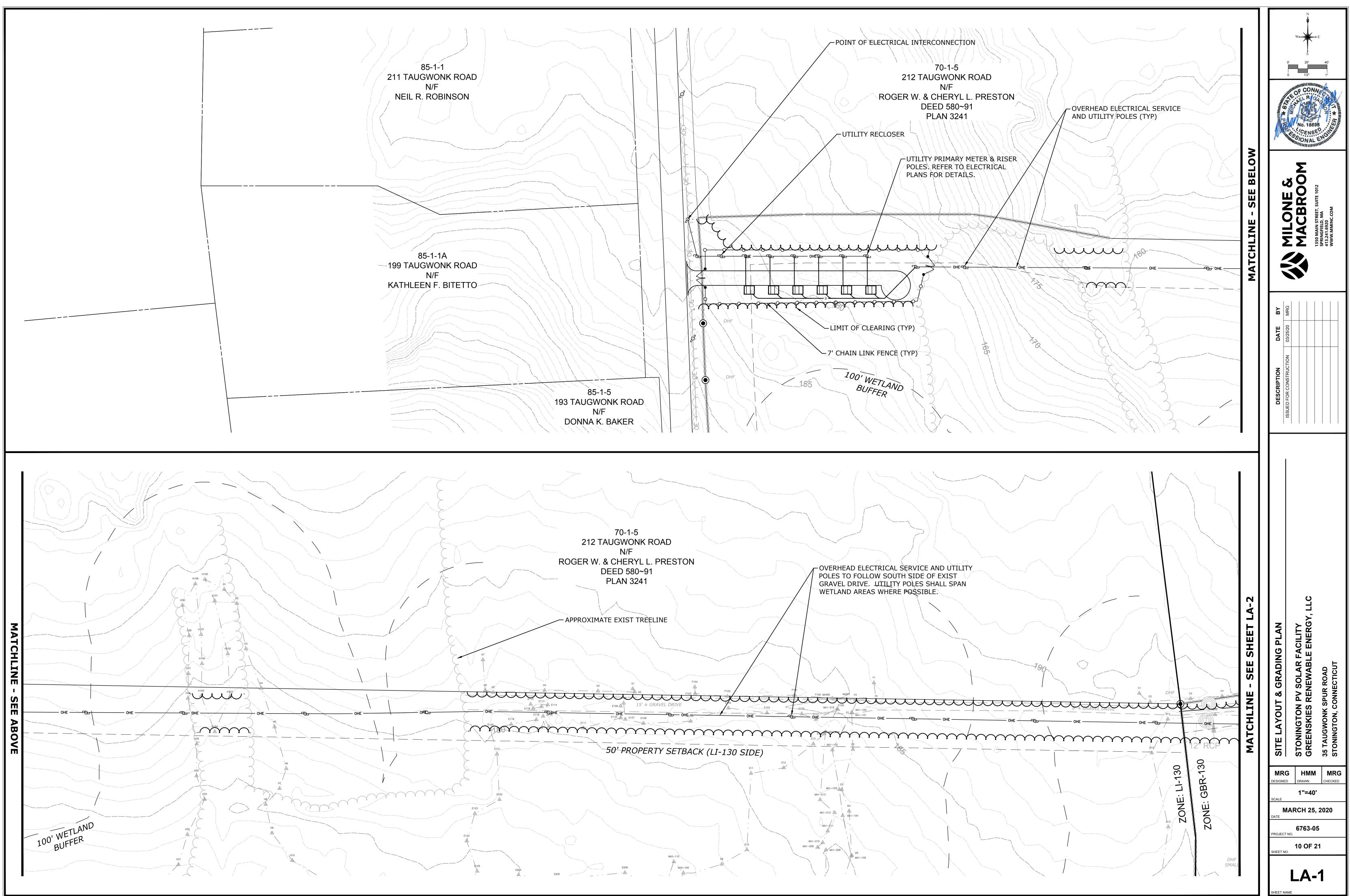
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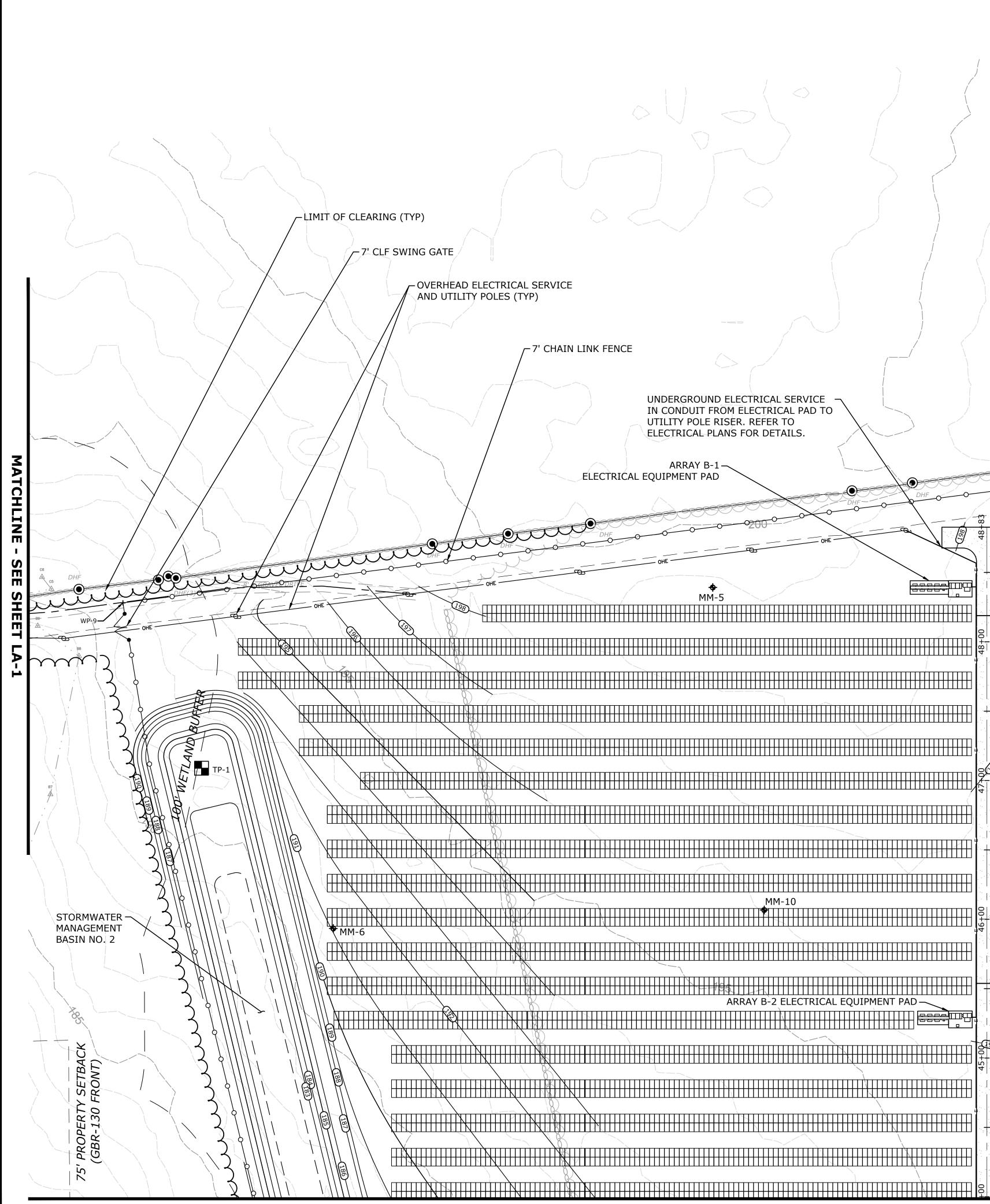












UNDERGROUND ELECTRICAL SERVICE IN CONDUIT FROM ELECTRICAL PAD TO UTILITY POLE RISER. REFER TO ELECTRICAL PLANS FOR DETAILS.

ARRAY B-1

MM-5

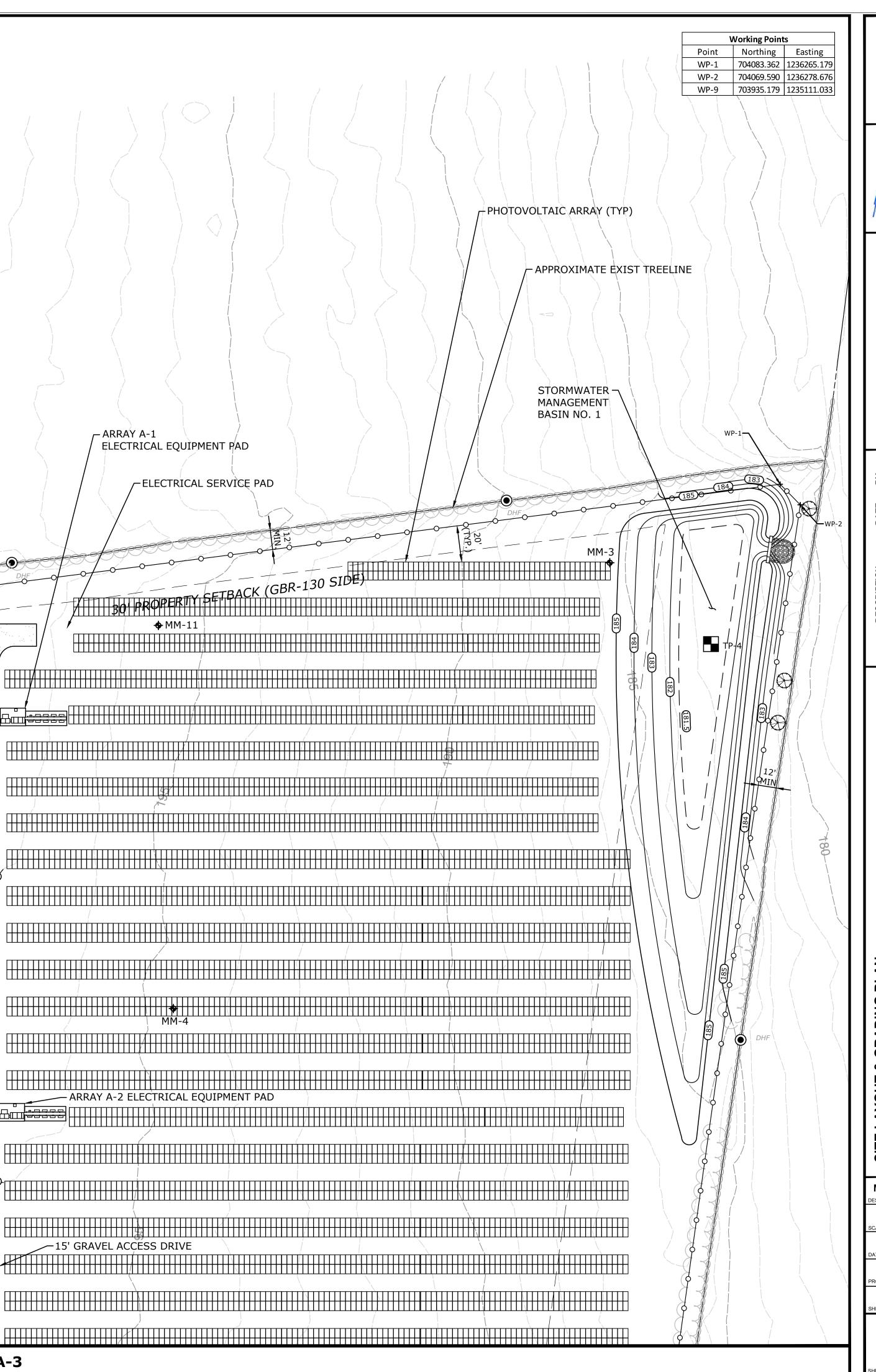
MM-10

MATCHLINE - SEE SHEET LA-3

ARRAY A-1 ELECTRICAL EQUIPMENT PAD

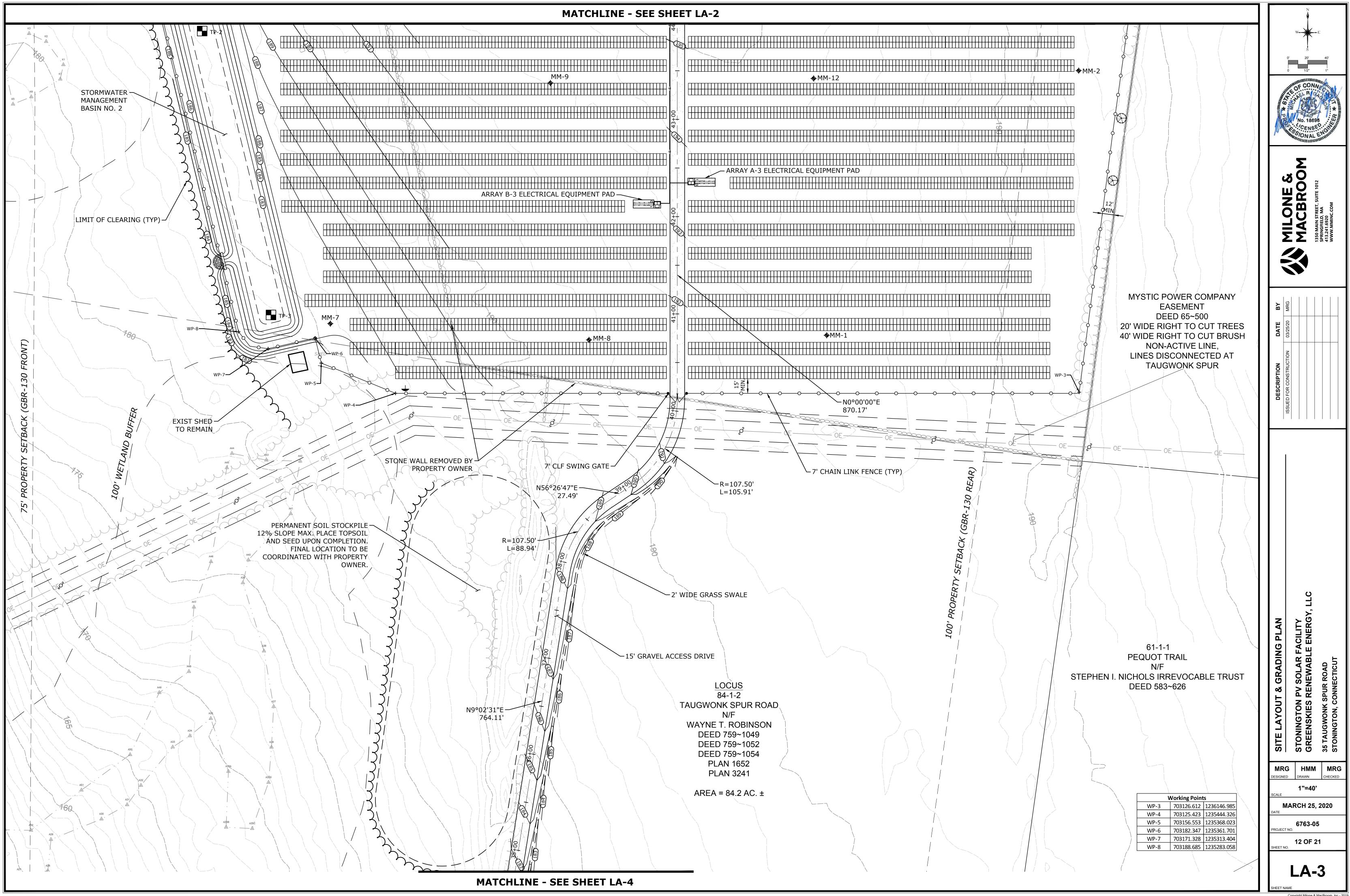
-ELECTRICAL SERVICE PAD

♦ MM-11 ARRAY A-2 ELECTRICAL EQUIPMENT PAD ~15' GRAVEL ACCESS DRIVE

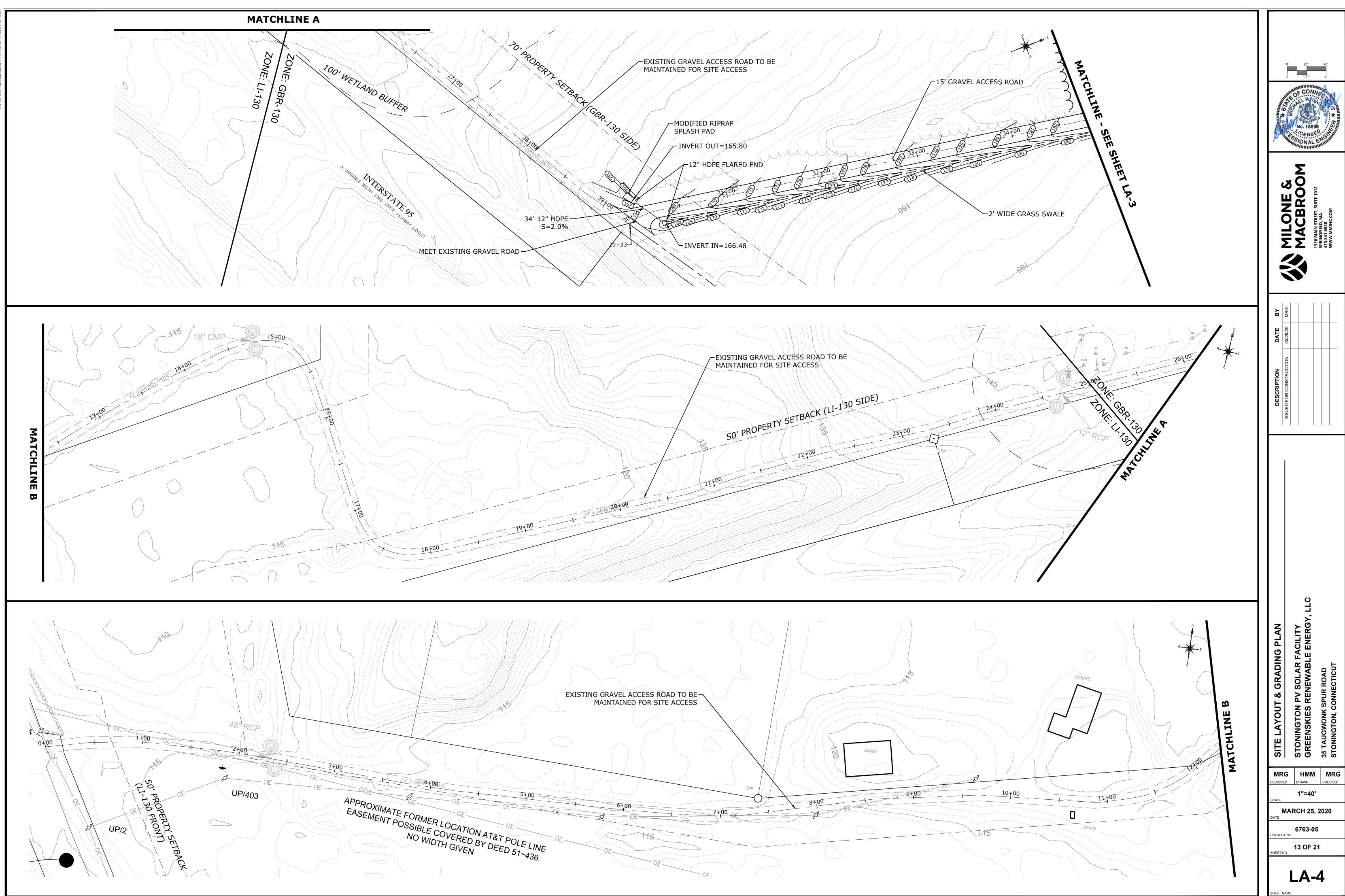


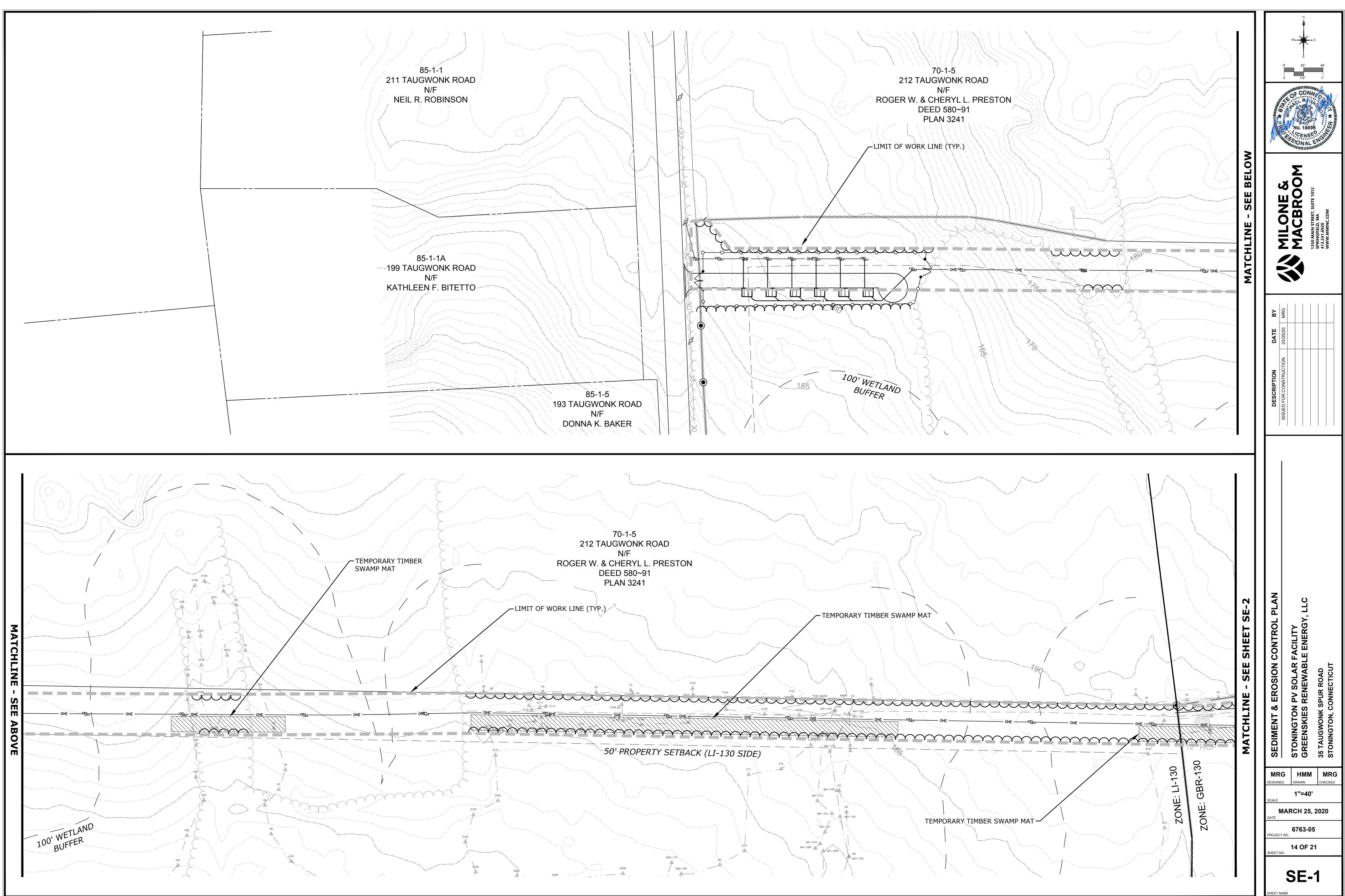
	ACCENSE SOON ALL ISSUMMEREEL SUITE TOTO	SPRINGFIELD, MA 413.241.6920 WWW.MMINC.COM
DATE BY 03/25/20 MRG		
DESCRIPTION ISSUED FOR CONSTRUCTION		
		35 TAUGWONK SPUR ROAD STONINGTON, CONNECTICUT
MRG DESIGNED SCALE	HMM DRAWN 1"=40'	MRG CHECKED
	ARCH 25, 6763-08	
SHEET NO.	11 OF 2	1
SHEET NAM	LA-	2

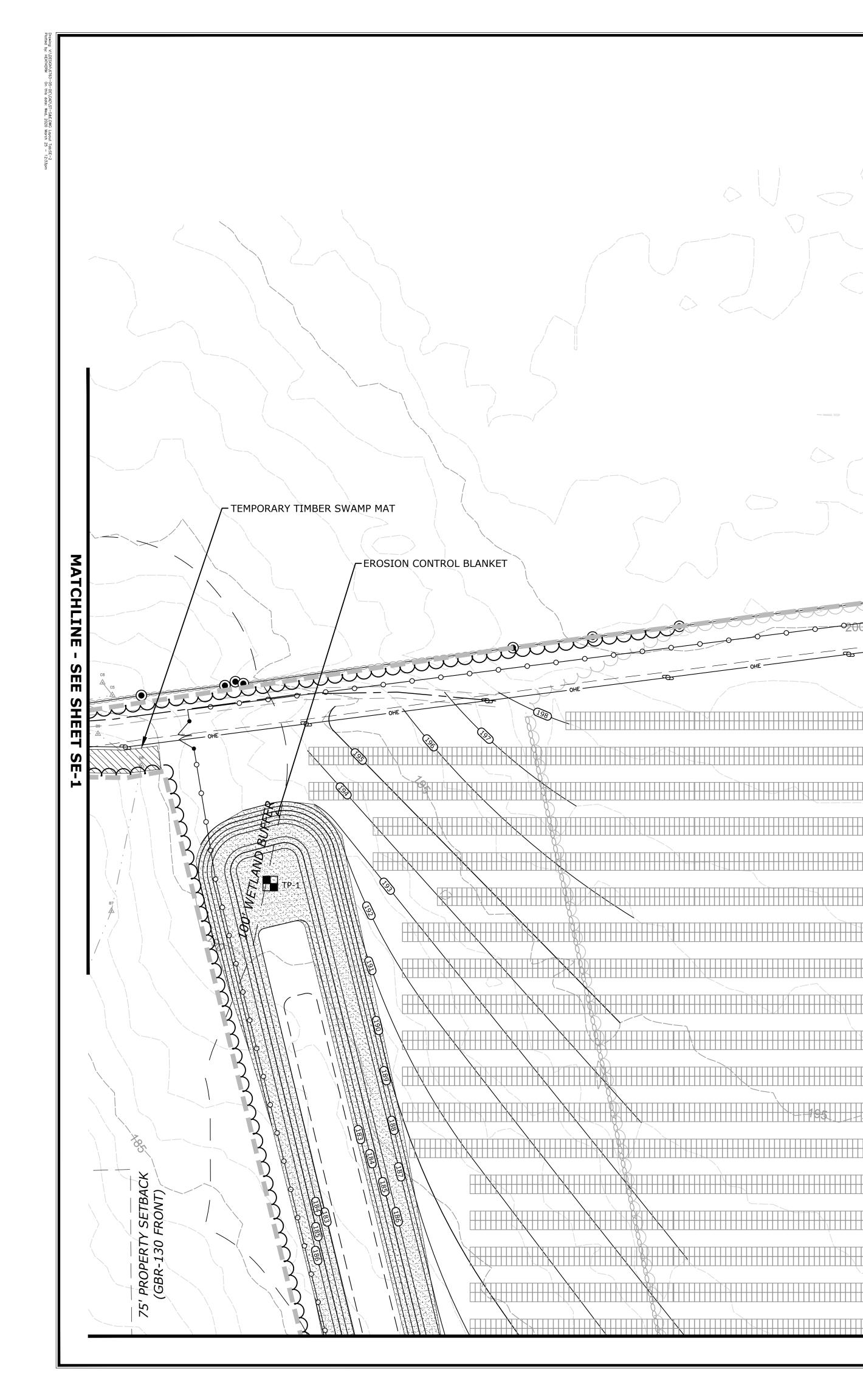




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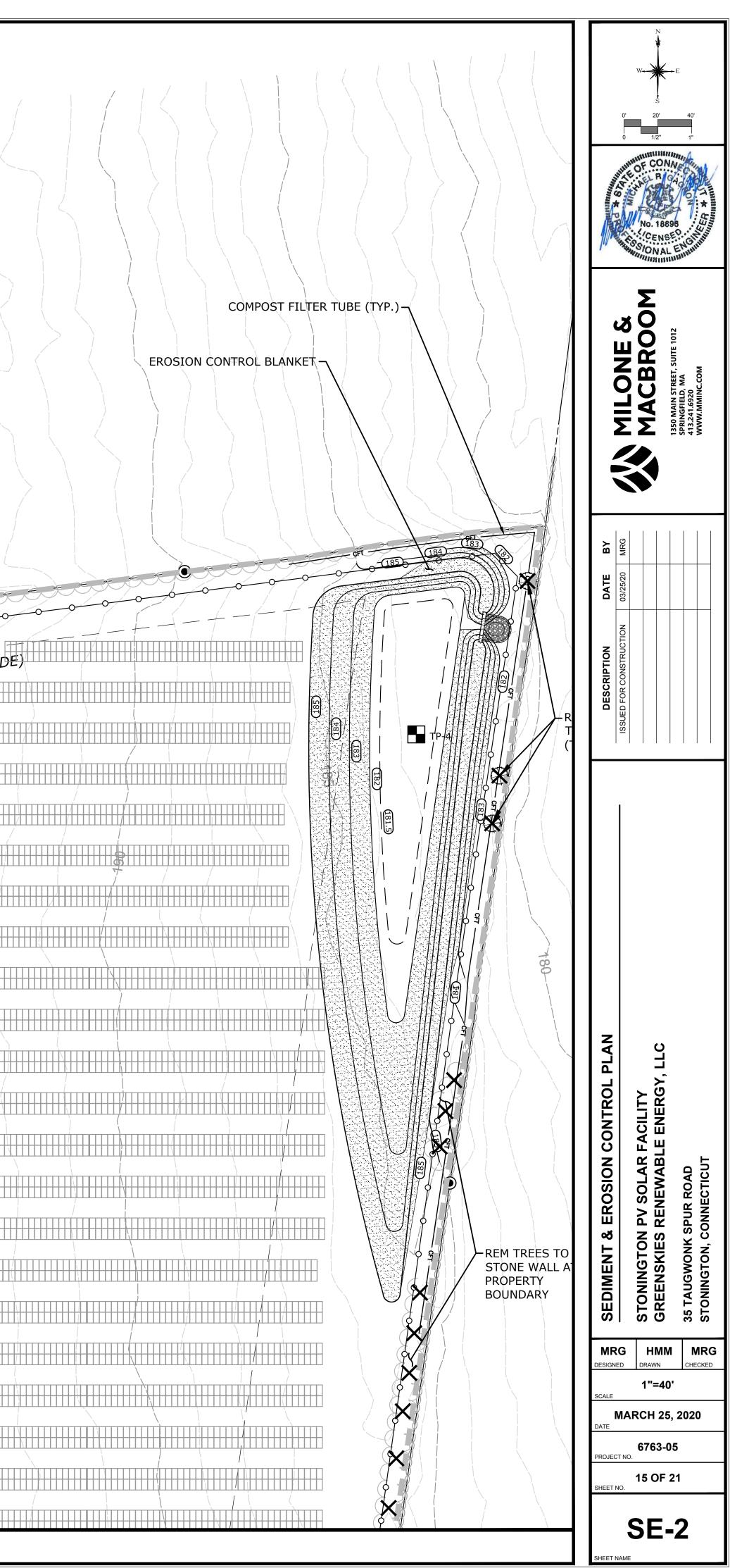


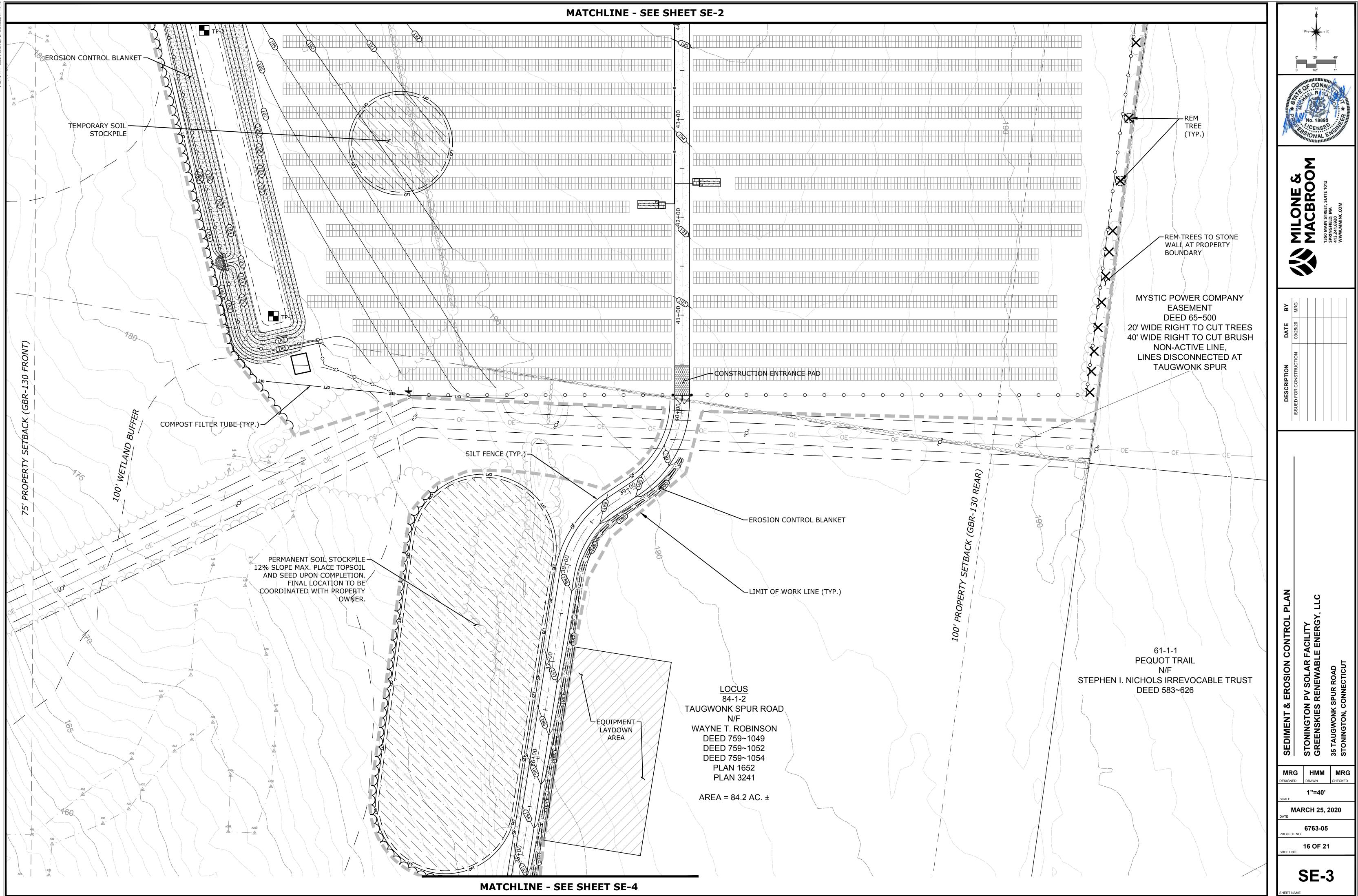


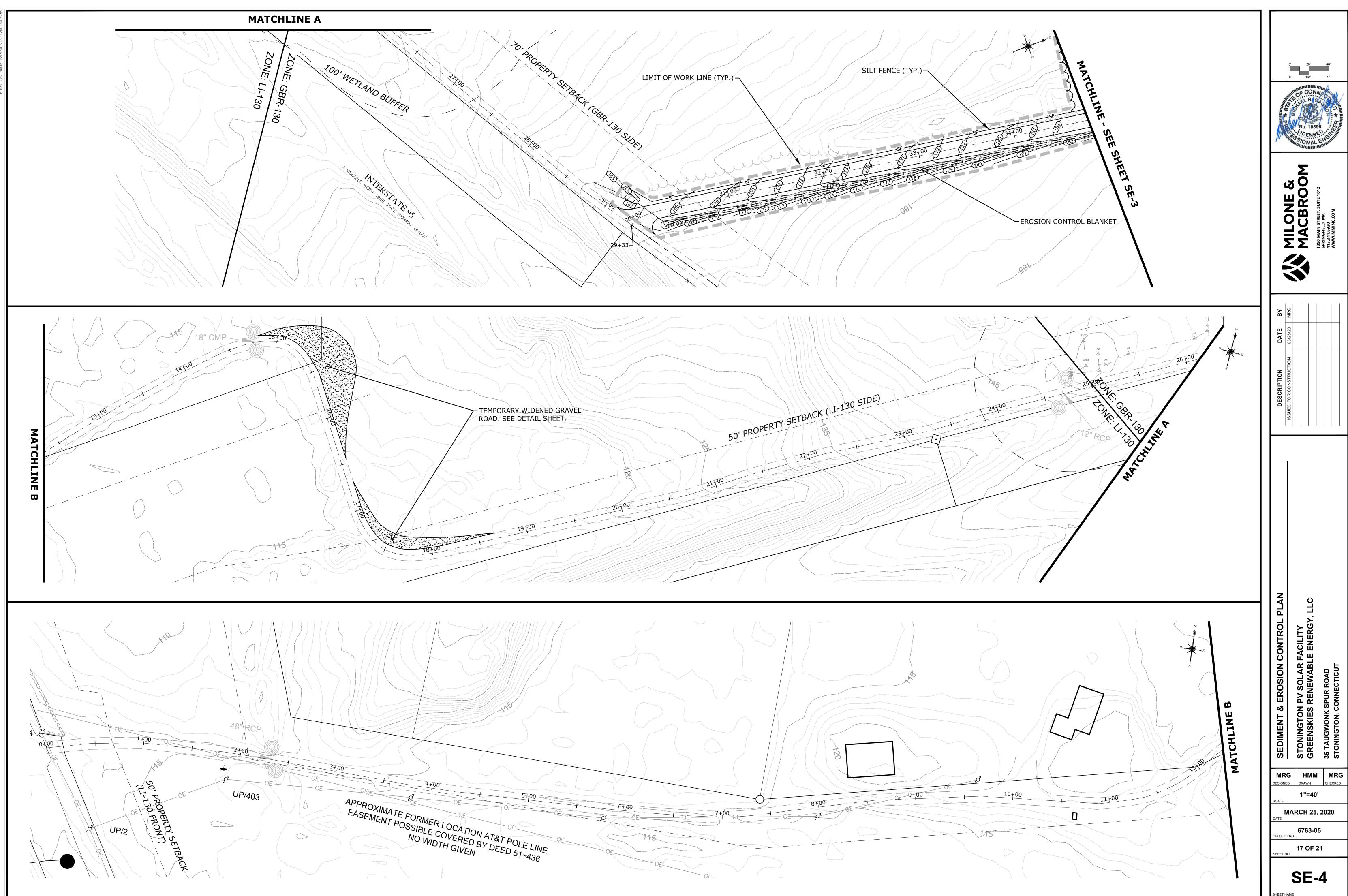


-LIMIT OF WORK LINE (TYP.)

30 PROPERTY SETBACK (GBR-130 SIDE, 48+0 10+91 96 12+00 8 **MATCHLINE - SEE SHEET SE-3**







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

TOPSOILING:

SEDIMENTS FROM LEAVING THE SITE.

TO TWO VERTICAL (1:2).

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

- .. 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 REOUIRED. (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.
- . 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 REOUIREMENTS)
- 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 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.

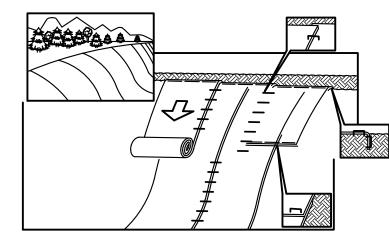
MAINTENANCE:

- 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:

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

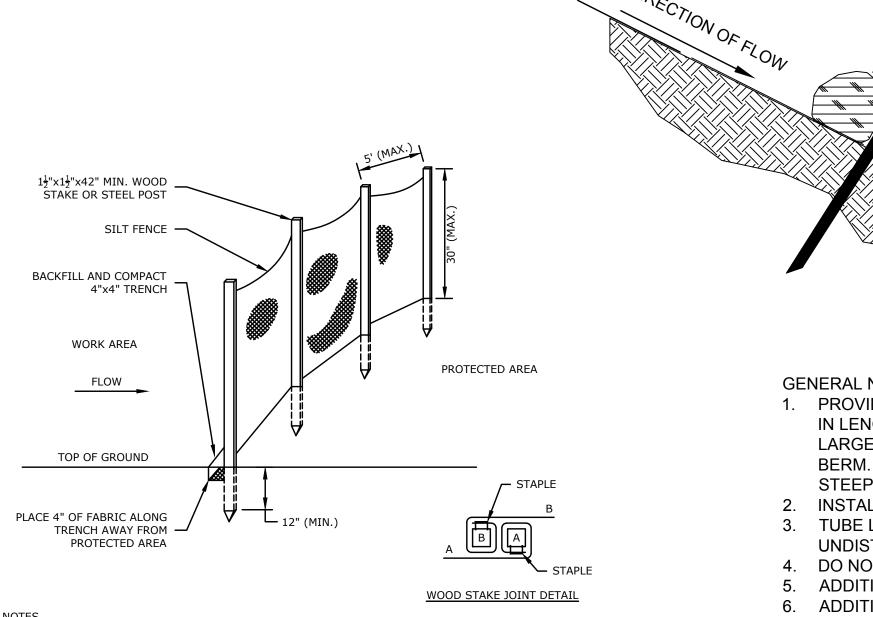
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP

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 INSTALLATIONS

APPLICATION OF EROSION **CONTROL BLANKET ON SLOPES**

NOT TO SCALE



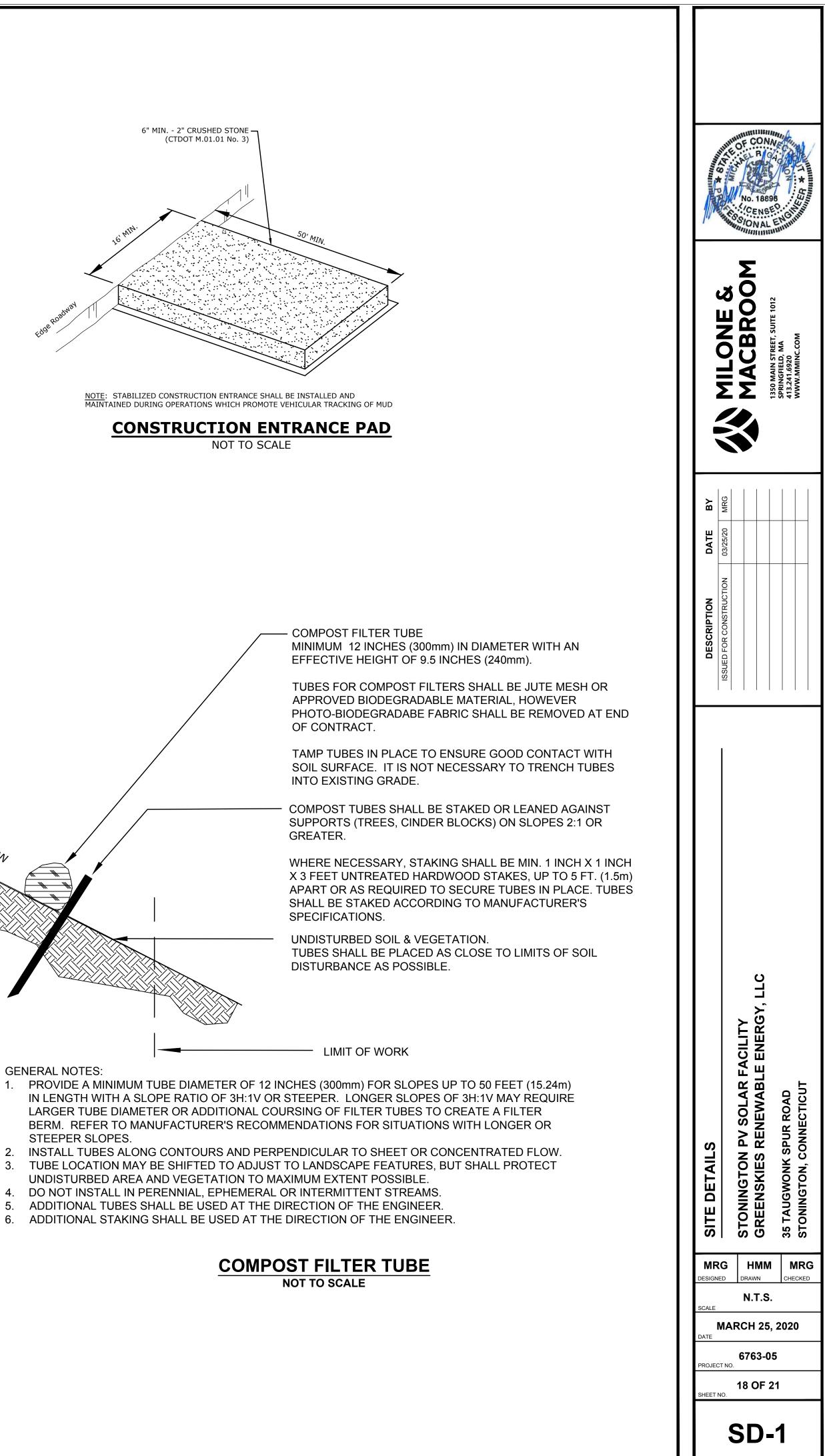
GENERAL NOTES

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.

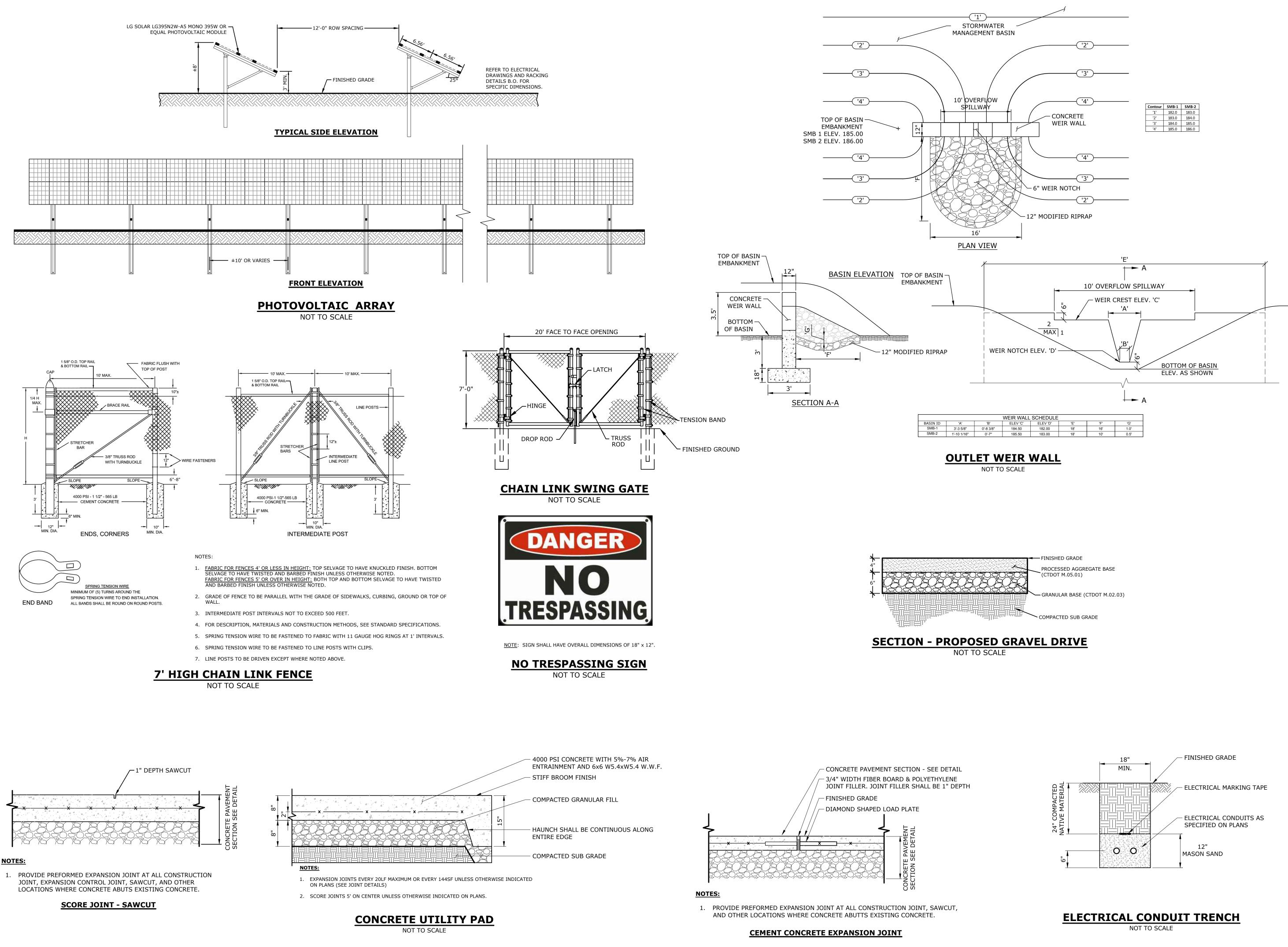
2. FOR FENCE INSTALLED ON LEVEL TERRAIN INSTALL WING SECTIONS PERPENDICULAR TO MAIN BARRIER AT 50'-100' INTERVALS.

SILT FENCE BARRIER NOT TO SCALE

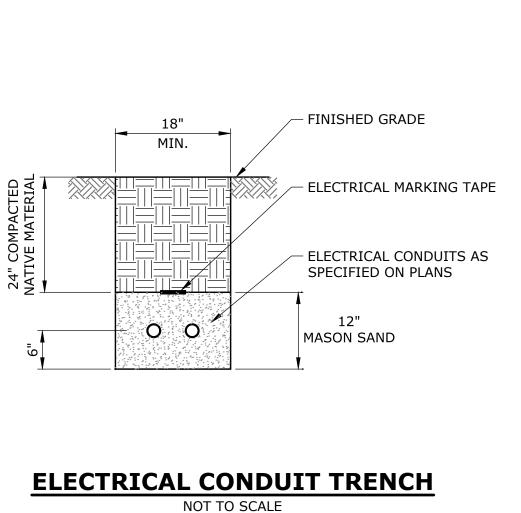
GENERAL NOTES: STEEPER SLOPES.



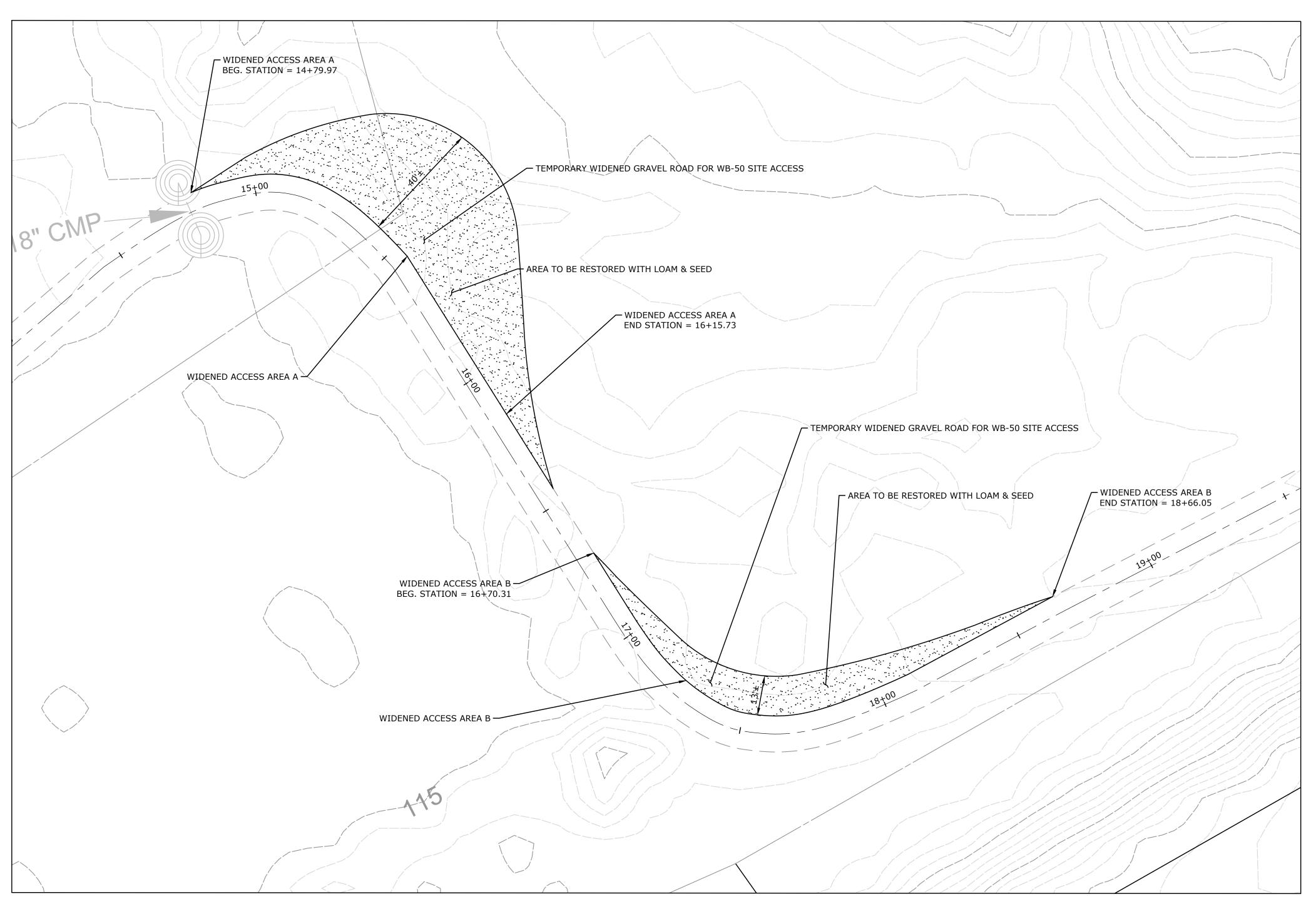








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