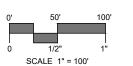
# MANCHESTER SOLAR FACILITY GREENSKIES CLEAN ENERGY, LLC

# 81 & 93 LAKE STREET MANCHESTER, CONNECTICUT PERMIT DRAWINGS

SLR #16763.00033 JULY 21, 2025



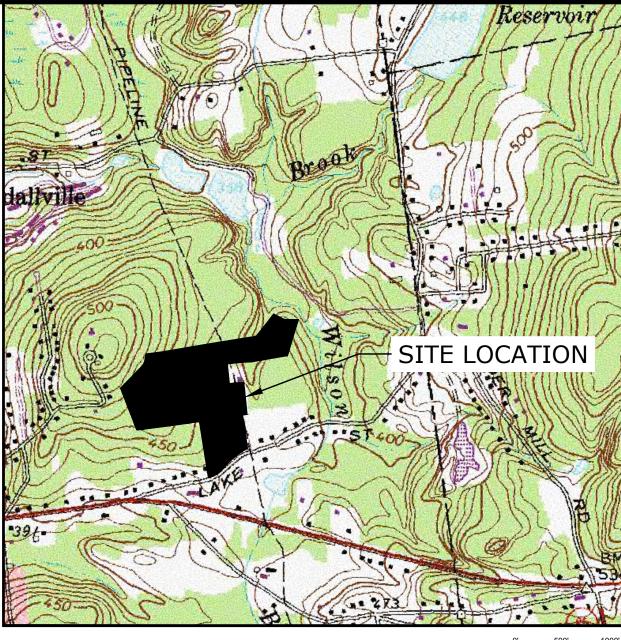
# PROJECT SITE VICINITY MAP:



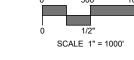
PREPARED BY:







**LOCATION MAP:** 



# PREPARED FOR:



GREENSKIES CLEAN ENERGY, LLC 127 WASHINGTON AVENUE WEST BUILDING - LOWER LEVEL NORTH HAVEN, CONNECTICUT 06473

# **LIST OF DRAWINGS**

NO.	NAME	TITLE
01		TITLE SHEET
02	LD	LEGEND & NOTES
03	IN	INDEX SHEET
04-06	BL-1 - BL-3	BORING LOGS
07-08	EX-1 - EX-2	EXISTING CONDITIONS PLAN
09-10	SE-1 - SE-2	SEDIMENT & EROSION CONTROL PLAN
11-12	LA-1 - LA-2	LAYOUT & GRADING PLAN
13-14	SD-1 - SD-2	SITE DETAILS
		(BO) ELECTRICAL ONE LINE DIAGRAM



# **SURVEY NOTES**

THIS PLAN IS BASED ON THE SURVEY TITLED "PLAN OF LAND IN MANCHESTER, CT", MAP DEPICTING TOPOGRAPHY OF 81 LAKE STREET AND 93 LAKE STREET IN MANCHESTER, CONNECTICUT, PREPARED FOR: GREENSKIES, PROVIDED BY NORTHEAST SURVEY CONSULTANTS DATED SEPTEMBER 20, 2024.

> SURVEY TYPE - BOUNDARY SURVEY BOUNDARY SURVEY CATEGORY - DEPENDANT RESURVEY ACCURACY CLASS - A-2; T-3

THIS MAP AND/OR SURVEY HAS BEEN PREPARED UTILIZING RTK GPS OBSERVATIONS FOR HORIZONTAL AND VERTICAL DATUM. ALL CONTOURS SHOWN HEREON WERE GENERATED IN QGIS FROM DIGITAL ELEVATION MODELS OF THE 2016 CRCOG LIDAR DATA, COLLECTED BY USGS AND DISTRIBUTED NOAA. AERIAL FLIGHT WAS PERFORMED IN SEPTEMBER 2024.

- NORTH IS BASED UPON THE CONNECTICUT COORDINATE SYSTEM (NAD83) ESTABLISHED WITH QGIS OBSERVATIONS.
- VERTICAL DATUM IS BASED UPON NAVD88 ESTABLISHED WITH QGIS OBSERVATIONS.
- 4. REFERENCE IS MADE TO THE FOLLOWING PLANS:
- "PLAN OF LAND IN MANCHESTER, CT" DATE: SEPTEMBER 20, 2024 SCALE: 1"=80' BY NORTHEAST SURVEY CONSULTANTS (P.L.S. MAP
- "SOLAR GROUND MOUNT SYSTEM AT 81 LAKE STREET MANCHESTER, CT 06040" DATE: JUNE 25, 2025. SCALE: 1"=40' BY PURE POWER
- "SOLAR GROUND MOUNT SYSTEM AT 93 LATE STREET MANCHESTER, CT 06402" DATE: JUNE 25, 2025, SCALE: 1"=50' BY PURE POWER ENGINEERING.
- PROPERTY AND/OR STREET LINE DATA INFORMATION DEPICTED HEREON HAS BEEN COMPILED FROM OTHER SOURCES OF DATA AND ARE SUBJECT TO SUCH FACTS AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
- WETLANDS LIMIT, INTERMITTENT WATERCOURSE, AND DRAINAGE FEATURE DEPICTED HEREON ARE FROM FIELD LOCATION BY OR UNDER THE SUPERVISION OF AN SLR SOIL SCIENTIST ON AUGUST 29, 2024.
- 7. THE PROPERTY IS LOCATED IN FLOOD ZONES "X" (AREAS OF MINIMAL FLOODING) PER NATIONAL FLOOD INSURANCE PROGRAM FIRM FLOOD INSURANCE RATE MAP MIDDLESEX COUNTY, CONNECTICUT, PANEL NUMBER 09003C0411F, EFFECTIVE DATE SEPTEMBER 26, 2008.
- 8. THE SITE IS CURRENTLY LOCATED WITHIN ZONING DISTRICT "RR" RURAL RESIDENTIAL ZONE.
- 9. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY RESPECTIVE UTILITY COMPANIES, GOVERNMENTAL AGENCIES AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE THE EXISTENCE OF WHICH ARE UNKNOWN TO SLR INTERNATIONAL CORPORATION. THE EXISTENCE, SIZE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION.
- 10. "CALL BEFORE YOU DIG" DIAL 811 OR 1-800-922-4455

# **GENERAL NOTES**

- 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.
- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND SAFETY OF TRAFFIC ON THE PUBLIC AND PRIVATE WAYS AFFECTED BY THE CONSTRUCTION OF THE PROJECT.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH O.S.H.A. STANDARDS AND LOCAL REQUIREMENTS.

# SITE LAYOUT LEGEND

PROPOSED MAJOR CONTOUR	·	STONE V
PROPOSED MINOR CONTOUR		
PROPOSED TREE LINE	.~~~~.	SEDIM
PROPOSED ELECTRICAL SERVICE (UNDERGROUND)	————E————	SLDIN
PROPOSED ELECTRICAL		COMPOST
SERVICE (OVERHEAD)	OHE	SEDIMENT
PROPOSED CHANLINK FENCE / GATE	-000	PROPOSED
PHOTOVOLTAIC ARRAY		CONSTRU
PROPOSED LIMIT OF WORK		SOIL STOO
PROPOSED GRAVEL SURFACE		

# **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 ENTRANCES.
- SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE PV ARRAY INSTALLATION. STABILIZE ALL SLOPES IMMEDIATELY AFTER THEIR ESTABLISHMENT.
- 4. 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.
- 5. ROUTINE SEDIMENT AND EROSION CONTROL INSPECTIONS SHALL CONTINUE UNTIL ALL DISTURBED AREAS HAVE STABILIZED PURSUANT TO THE CONNECTICUT STORMWATER GENERAL PERMIT.
- ALL DEWATERING WASTE WATERS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS.
- 7. THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
- 8. A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.

# **GRADING NOTES**

AND FILL SLOPES.

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
- 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.
- 8. NO UNAUTHORIZED EXCAVATION IS PERMITTED ON THE LANDFILL CAP.
- 9. ALL DEPRESSION AREAS, AND ANY RUTTING DURING CONSTRUCTION ON THE LANDFILL CAP SHALL BE RESTORED WITH LOW PERMEABILITY TOPSOIL AND SEEDED IN ACCORDANCE WITH THE SPECIFICATIONS.

# **EXISTING CONDITIONS LEGEND**

ASSESSOR'S ID	33300-93A
NOW OR FORMERLY	N/F
IRON PIPE OR ROD FOUND	0
CONCRETE BOUND FOUND	•
CALCULATED POINT	<b>A</b>
UTILITY POLE	Ş
GUY WIRE ANCHOR	<b>+</b>
GUY POLE	-0
POST	<b>©</b>
ELECTRIC OR TELECOM. BOX	e c
ELECTRIC MANHOLE	<b>©</b>
LOCUS PROPERTY LINE	
ABUTTERS LINE (±)	
EASEMENT LINE	
CONTOUR LINE	
OVERHEAD WIRES	OHW
TREELINE	
ZONING LINE	
BURIED GAS LINE	G
BURIED ELECTRIC LINE	——— E———
CHAIN LINK FENCE	$-\!$
WIRE FENCE	×
STONE WALL	

# MENT & EROSION LEGEND

COMPOST FILTER TUBE	CFT
SEDIMENT FILTER FENCE	SF
PROPOSED LIMIT OF WORK	
CONSTRUCTION ENTRANCE PAD	
SOIL STOCKPILE	

# **CONSTRUCTION SEQUENCE AND SCHEDULE**

CONSTRUCTION IS ANTICIPATED TO TAKE APPROXIMATELY 4 MONTHS. 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 ON THE DRAWINGS WITHOUT CONSENT OF THE ENGINEER.
- 2. INSTALL E&S CONTROLS FOR SITE CLEARING ACTIVITIES AS SHOWN ON THE DRAWINGS.
- 3. CONSTRUCT THE STORMWATER MANAGEMENT BASINS, OUTLET WEIR WALLS, AND APPURTENANCES.
- 4. INSTALL PV SOLAR PANEL ARRAY RACKING, PANELS, ELECTRICAL COMPONENTS, CONDUIT, AND PERIMETER FENCING.
- 5. ANY DISTURBED SLOPES ARE TO BE ESTABLISHED TO FINISHED GRADE WITH PLACEMENT OF TOPSOIL AND SEED AS SOON AS PRACTICABLE. AREAS DISTURBED AND COMPACTED AS A RESULT OF PV ARRAY RACKING INSTALLATION SHALL BE AERATED BY APPROVED METHODS AND SEEDED.
- 6. REMOVE E&S CONTROLS ONCE ALL DISTURBED AREAS HAVE COMPLETELY STABILIZED.

# **SEDIMENT & EROSION CONTROL SPECIFICATIONS**

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 SOLAR FARM.

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.

# **TOPSOILING**

GENERAL:

- .. 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.
- 2. UPON ATTAINING FINAL UPGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL
- 3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION
- 4. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.

# MATERIAL:

- 1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
- 2. TOPSOIL SHOULD HAVE A LOAMY TEXTURE. SEE SPECIFICATIONS FOR GRADATION REQUIREMENTS.
- 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, KNOTGRASS, AND QUAKERS.
- 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 (PM) IS LESS SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT AND SULFUR ACIDITY.
- 6. THE pH SHOULD BE MORE THAN 6.0. IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL. APPLICATION:
- 1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
- 2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST SIX INCHES (6") OR TO THE DEPTH SHOWN ON THE LANDSCAPING PLANS.

# **PERMANENT VEGETATIVE COVER**

1. 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 SHALL BE SEEDED WITHIN 7 DAYS OF ESTABLISHMENT OF FINAL GRADES.

# SITE PREPARATION:

- 1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
- 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 300 LBS. 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.).

# **VEGETATIVE COVER SELECTION & MULCHING:**

TEMPORARY VEGETATIVE COVER SEED MIX:

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

# PERMANENT VEGETATIVE COVER SEED MIX:

1. NEW ENGLAND CONSERVATION/WILDLIFE MIX OR EOUAL:

- 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.

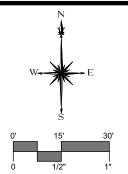
# **ZONING DATA**

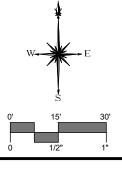
ZONING DATA	
ZONING DISTRICT	RR (RURAL RESIDENCE)
DIMENSIONAL / DENSITY CRITERIA	REGULATION
MIN. LOT AREA	30,000 SQ. FT.
MIN. WIDTH	100 FT
MIN. DEPTH	100 FT
MIN. STREET FRONTAGE	200 FT.
MIN. YARD SETBACKS	
FRONT	50 FT.
SIDE	15 FT.
REAR	30 FT.
IMPERVIOUS AREA	N/A
MAX. HEIGHT	35 FT.
LOT COVERAGE	MAX. OF 30% LOT AREA
OPEN SPACE	N/A

NOTE: THE LOCATION AND SCREENING OF ALL STRUCTURES SHALL BE AT THE DISCRETION OF THE PLANNING AND ZONING COMMISSION.

SYSTEM INFORMAT	TION - 81 LAKE STREET
SYSTEM SIZE (DC)	530.64kW
SYSTEM SIZE (AC)	450 kW
TOTAL SYSTEM AREA	2.50 ACRES
MODULE TYPE	Q.PEAK DUO ML-G12S 670W
MODULE QUANTITY	792
PANEL AZIMUTH	0°
MODULE TILT	SINGLE AXIS TRACKER
ROW SPACING	10'
INVERTER	(3) SOLECTRIA XGI 150W

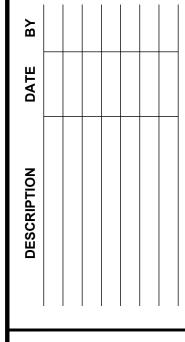
SYSTEM INFORMA	TION - 93 LAKE STREET
SYSTEM SIZE (DC)	863.52kW
SYSTEM SIZE (AC)	750 kW
TOTAL SYSTEM AREA	3.85 ACRES
MODULE TYPE	QCELL DUO ML-G12S (670W)/ QCELL Q.TRON XL-G2 (615W)
MODULE QUANTITY	1,344 TOTAL (672/672)
MODULE AZIMUTH	0°
MODULE TILT	SINGLE AXIS TRACKING
ROW SPACING	10'
INVERTER	(6) SOLECTRIA XGI 125W











HMM | HMM | MRG N.T.S. **JULY 21, 2025** 16763.00033 02 OF 14



			PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.	: SLR-10	SHEET	T: 1 OF 1	
->	₽SI	R	LOCATION:	93 LAKE STR	REET, MANCH	ESTER, CON	NECTICUT	CONTRACTO	OR: SITE, LLC			
			PROJ. NO:	145.16763.00	033			FOREMAN:	. DEANGELIS			
	International C sality Drive, Chesh	150	CLIENT:	GREENSKIES	S CLEAN ENE	RGY, LLC		INSPECTOR	K.REED			
	271.1773   ww.sirco		DATE:	AUGUST 27,	2024			GROUND SU	RFACE ELEVATION: ±43	38.0'		
QUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER	DEPTH (FT.)		TYPE OF RIG:	
YPE		HSA	單	SS	9	DATE	TIME		WATER DEPTH		TRACK W/ AUTO	НАММЕ
IZE ID	(IN.)	2 1/4	2	1 3/8	¥	8/27/2024	8:45 AM		±9.0'		RIG MODEL:	
IMR. W	T (LB.)		=	140	8							
IMR. F	ALL (IN.)	. 8	5	30	5						CME-55 LCX	
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BURN				ON-DESCRIP	TION SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV.
			2	5-0.00	The state of the s			S TO CONTRACT THE INTERPOLATION	e Organic Matter (e.g.,	+-		asto
1	S-1	15	3	roots), trace fi	ne Gravel.				W \$	0.9'	TOPSOIL	437.1
200	000000	10.753547	5 3	4	eddish brown, f er (e.g., roots).	ine to medium	SAND, some	Silt, little fine	to coarse Gravel, trace	econstratishishish	SAND & GRAVEL	
2		ř	5	S-2: Medium	0.140.049/110100000000000000000000000000000000	Reddish brow	vn, fine to med	lium SAND, lit	de Silt, little fine to coarse	2.3'		435.7
3	S-2	24	7	Gravel.	loddich brown	aray fino to c	carea SAND	litta Cilt littla f	ine to coarse Gravel.			
			18	DOMOIN 20 . K	leddisii biowii-	gray, file to c	oaise SAND,	ntue ont, ntue i	ile to coarse Graver.			
4				]								
5		7	15	S-3: Very den	se, reddish bro	own, fine to co	arse SAND a	nd fine to coars	se GRAVEL, little Silt.			
6	S-3	19	31	1							GLACIAL TILL	
950			23 50/4"	-								
7			00/4	1								
8												
				1						9.0'	G.W.T.	429.0
9				1								100000000
10						Auc	ger Refusal ±9	0.8'		9.8'		428.2
11				1		W.F.C.						
1,500												
12				1								
13		-										
14				i								
14												
15				1								
16				1								
200				1								
17		3*		1								
18				-								
19				1								
				-								
20				1								
21				]								
				1								
22				1								
emark	s:	V.			NON-PLAS	TIC (SPT-N)	PLAST	IC (SPT-N)	SAMPLE TYPE	1	PROPORT	IONS
Z.IIMI K	=0				0-4 = VERY LOC	THE PERSON NAMED IN COLUMN TO A STATE OF THE PERSON NAMED IN COLUMN TO A STATE	0-2 = VERY S	THE PARTY OF THE P	C = ROCK CORE		trace = <10%	
					4-10 = LOOSE	A DENSE	2-4 = SOFT	u	S = SPLIT SPOON	ON	little = 10% - 20%	
					10-30 = MEDIUM 30-50 = DENSE		4-8 = MEDIU 8-15 = STIFF	vi.	UP = UNDISTURBED PISTO UT = UNDISTURBED THIN		some = 20% - 35% and = 35% - 50%	
					50+ = VERY DE		15-30 = VERY	STIFF				

	With the second second		PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-11	SHEET	Γ: 1 OF 1	-					
1	#SL	R	LOCATION:	ION: 93 LAKE STREET, MANCHESTER, CONNECTICUT CONTRACTOR: SITE, LLC				CATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT CONTRACTOR: SITE, LLC									
	COT DOWN NESS		PROJ. NO:	145.16763.00	0033			FOREMAN: J.	DEANGELIS			_					
	International C	m) =	CLIENT:	GREENSKIE	S CLEAN ENE	RGY, LLC		INSPECTOR:	K.REED			_					
	ality Drive, Chesh 71.1773   ww.sirco		DATE:	AUGUST 27,	2024			GROUND SUR	RFACE ELEVATION: ±45	51.5'		_					
EQUIPM	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:	_					
TYPE		HSA	8	SS	9	DATE	TIME		WATER DEPTH		TRACK W/ AUTO	O					
SIZE ID	(IN.)	2 1/4	2	1 3/8	2	8/27/2024	9:15 AM	NC	OT ENCOUNTERED		RIG MODEL:	_					
HMR. W	T (LB.)	8	=	140	8												
HMR. FA	ALL (IN.)	8	5	30	5						CME-55 LCX						
Depth	SAMPLE	RECOVERY	BLOWS		SOIL A	ND ROCK CL	ASSIFICATI	ON-DESCRIPTI	ION	Ε÷	STRATUM	7					
(FT)	NUMBER	(IN)	PER 6"	BURN	ISTER SYSTE	EM (SOIL) U.S	. CORPS OF	ENGINEERS S	SYSTEM (ROCK)	DEPTH (FT.)	DESCRIPTION						
			2				dium SAND,	some Clayey Si	It, trace fine Gravel,	<del>-</del>	TOPSOIL	-					
1	S-1	14	3		: Matter (e.g., ro		CAND and C	III T. trace fine C	Secure	0.7'		-					
861			2	BOLLOM 9": Re	euaisn brown, fi	ine to medium	SAND and S	ILT, trace fine G	oravel.	2.0'	SUBSOIL						
2		0	4				ne to coarse	SAND, little Silt,	little fine to coarse								
3	S-2	20	7 8	Gravel, trace	Organic Matter	(e.g., roots).					SAND & GRAVEI	3					
4			11	1							SAILD & GIVAVE	•					
7										4.5'							
5	S-3	3	50/3"	S-3: Very den	ise, reddish bro	own-gray, fine t	o coarse SAI	ND and fine to c	oarse GRAVEL, little Silt.								
6				1		50.00					GLACIAL TILL						
, and						Aug	er Refusal ±6	3'		6.3'		-					
7				1		, lug	ci itelasai 1e										
8																	
130				1													
9																	
10				-													
44		1.															
11																	
12				-													
13				1													
				1													
14				1													
15																	
-				1													
16				1													
17		1															
18																	
19				1													
20				1													
2000				1													
21																	
22				1													
0958																	
Remark	s:	N.		A.		TIC (SPT-N)		IC (SPT-N)	SAMPLE TYPE		PROPORT	T					
					0-4 = VERY LOC 4-10 = LOOSE	DSE	0-2 = VERY S 2-4 = SOFT	SOFT	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%						
					10-30 = MEDIUN	M DENSE	4-8 = MEDIU	М	UP = UNDISTURBED PISTO	ON	some = 20% - 35%						
					30-50 = DENSE		8-15 = STIFF		UT = UNDISTURBED THIN	WALL	and = 35% - 50%						
					50+ = VERY DE	N S F	15-30 = VERY	THE PARTY NAMED IN COLUMN 1			II.						

			PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-12	SHEET	:10F1		_
1	#SI	P	LOCATION:	93 LAKE STR	EET, MANCH	ESTER, CONI	NECTICUT	CONTRACTO	R: SITE, LLC				
	47-10 PASS NO.		PROJ. NO:	145.16763.00	033			FOREMAN: J.	DEANGELIS				
	International C	the second	CLIENT:	GREENSKIES	S CLEAN ENE	RGY, LLC		INSPECTOR:	K.REED				
	ality Drive, Chesh 271.1773   ww.slrcc		DATE:	AUGUST 27,	2024			GROUND SUF	RFACE ELEVATION: ±44	14.5'			
EQUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)	W. 11 - 10 - 1	TYPE OF RIG:		
TYPE	0 10 1 10 1 2 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HSA	E	SS	2	DATE	TIME		WATER DEPTH		TRACK W/ AUTO	HAMME	R
SIZE ID	(IN.)	2 1/4	2	1 3/8	9	8/27/2024	10:00 AM	No	OT ENCOUNTERED		RIG MODEL:		
HMR. W	30. To	=	-	140	_	F284(102522)							
	ALL (IN.)	8	-	30	-						CME-55 LCX		
Depth	SAMPLE	RECOVERY	BLOWS		SOIL A	ND ROCK CL	ASSIFICATI	I ON-DESCRIPT	ION	DEPTH (FT.)	STRATUM		Domark
(FT)	NUMBER	(IN)	PER 6"		11			V B 1 POCCH H III III II I I I I I I I	SYSTEM (ROCK)	P.F.	DESCRIPTION	ELEV.	Pon
	***	uw.	3		op 6": Dark bro Matter (e.g., ro		uiuiii SAND,	Some Sill, little	fine to coarse Gravel,	0.8'	TOPSOIL	443.7	
1	S-1	18	2	Bottom 12": R	eddish brown,	fine to mediun	n SAND, som	ne Silt, little fine	to coarse Gravel.				1
2			4	S-2: Dense T	op 4". Reddish	n brown fine to	coarse SAN	D. little fine to co	oarse Gravel, trace Silt.	2.4'	SAND & GRAVEL	442.1	
3	S-2	20	10						RAVEL, little Silt.	522			
Š	3.5	20	20										
4			21	i									
5		V.	21	S 2: Vonudon	so light brown	gray fine to c	oareo CAND	and fine to coar	se GRAVEL, little Silt.		GLACIAL TILL		
6	S-3	16	27	3-3. Very den	se, light brown	-gray, line to c	oarse SAND	and line to coal	se GRAVEL, IIIIe SIII.		GLACIAL TILL		
			50/5"										
7				-									
8						70	3 - 190 - 15	-196		8.7'		435.8	
190						Aug	er Refusal ±8	3.7'					ĺ
9				1									
10													
11				1									
12				1									
13													
14				i									
14				1									
15													
16													
92-2				1									
17				1									
18				1									
19				1									
				-									
20				1									
21				1									
20				1									
22				1									
Remark	s:				NON-PLAS	TIC (SPT-N)	PLAST	IC (SPT-N)	SAMPLE TYPE		PROPORT	IONS	1_
					0-4 = VERY LOC	re-ri	0-2 = VERY S	OFT	C = ROCK CORE		trace = <10%		
					4-10 = LOOSE 10-30 = MEDIUN		2-4 = SOFT 4-8 = MEDIUI	м	S = SPLIT SPOON UP = UNDISTURBED PISTO	ON	little = 10% - 20% some = 20% - 35%		
					30-50 = DENSE	onsensuestese	8-15 = STIFF		UT = UNDISTURBED THIN		and = 35% - 50%		
					50+ = VERY DE		15-30 = VERY						

			PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-13	SHEET	: 1 OF 1		
1	#SL	R	LOCATION:	93 LAKE STR	REET, MANCH	ESTER, CONI	NECTICUT	CONTRACTOR	R: SITE, LLC				
			PROJ. NO:	145.16763.00	033			FOREMAN: J.	DEANGELIS				
	International C		CLIENT:	GREENSKIE	S CLEAN ENE	RGY, LLC		INSPECTOR:	K.REED				_
Re 3.2	ality Drive, Cheshi 71.1773   ww.sirco	re, CT 06410 nsulting.com	DATE:	AUGUST 27,	2024			GROUND SUR	FACE ELEVATION: ±4	30.0'			_
M	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER DI	EPTH (FT.)		TYPE OF RIG:		_
7.000	P-UP/PARK	HSA	2	SS	_	DATE	TIME				TRACK W/ AUTO	HAMME	R
200	(IN.)	2 1/4	2	1 3/8	9	8/27/2024	10:45 AM	10000	T ENCOUNTERED		RIG MODEL:	# UUIIIIE	
	V. No.					6/2//2024	10.45 AW	140	JI ENGOGNIEKED				
	T (LB.)	×	=	140	×						CME-55 LCX		
-/	ALL (IN.)	6	5	30	5			<u> </u>		-		11190	
1	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BURN				ON-DESCRIPTI ENGINEERS S	ON System (Rock)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Romark
			2	S-1: Top 6": S	oft, dark brow	n, Clayey SILT	and fine to n	nedium SAND, tr	race fine Gravel, trace		TOPSOIL		Г
1	S-1	15	1		er (e.g., roots).	ah brown *-	to media - 2	AND c-d C" T :	little fine Court	0.8'	, J, JJIL	429.2'	
			3	BOLIOM 9": Ve	ry loose, reddi	sii brown, tine	to mealum S	AND and SILT, I	little fine Gravel.		SUBSOIL		
2			2			Reddish brow	n, fine to med	dium SAND, som	ne Silt, some fine to	2.4'		427.6'	
3	S-2	10	14	coarse Grave		ray fine to coa	arse SAND li	ttle fine to coarse	e Gravel, little Silt.				
			16	DOMOIII O . RE	adian biowii-g	ray, mie to coa	ii se sand, II	are mic to coarst	o Orayor, muc om.		GLACIAL TILL		
4				]									
5						Διια	er Refusal ±4	Q'		4.9'		425.1'	
				1		Aug	ei Keiusai 14						
٦				1									
7													
8													
9				1									
٥				1									
1													
2													
3													
				-									
4				1									
5				]									
90.				-									
6				1									
7				]									
				1									
8				1									
٥		1		1									
9				Į									
0				1									
١				1									
1				1									
2				1									
3			-	-									
	s: 1. Auger re	fusal ±4.9 feet b	elow existing	grade.	NON-PLAS	TIC (SPT-N)	PLAST	IC (SPT-N)	SAMPLE TYPE	_	PROPORTI	ONS	
rks					a 4 MEDICA OF	205	a venu				**************************************		_
rks					0-4 = VERY LOC	2-5-2-5-5	0-2 = VERY 9	0.000.00	C = ROCK CORE		trace = <10%		
rk:					4-10 = LOOSE		2-4 = SOFT	0.000.00	S = SPLIT SPOON	ON.	little = 10% - 20%		
rk					일었다. 기계를 가입하는데	M DENSE		0.000.00			Maria a Salati		

	としている。	67 HUNT STREET, SUITE 203-C AGAWAM, MA 413.241.6920 SLRCONSULTING.COM
DATE BY		
DESCRIPTION		
		NOT FOR CONSTRUCTION
BORING LOGS - 81 LAKE STREET	MANCHESTER SOLAR FACILITY GREENSKIES CLEAN ENERGY, LLC	81 & 93 LAKE STREET MANCHESTER, CONNECTICUT
MRG DESIGNED SCALE DATE	JLS	MRG

			PROJECT:	PROPOSED I	PV SOLAR FA	CILITY		BORING NO.:	SLR-2	SHEET	Γ: 1 OF 1	
>	#SI	D	LOCATION:	93 LAKE STR	EET, MANCH	ESTER, CON	NECTICUT	CONTRACTO	R: SITE, LLC			
-	NOL	_ [ ]	PROJ. NO:	145.16763.00	033			FOREMAN: J.	DEANGELIS			
	International C	0.0	CLIENT:	GREENSKIES	S CLEAN ENE	RGY, LLC		INSPECTOR:	K.REED			
99 Re 203.2	eality Drive, Chesh 271.1773   ww.sirco	ire, CT 06410 insulting.com	DATE:	AUGUST 26,	2024			GROUND SUI	RFACE ELEVATION: ±4	38.0'		
QUIPN	MENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	DEPTH (FT.)	oriec w.c.	TYPE OF RIG:	
YPE	00 HT 1/2000	HSA	<u> </u>	SS	2	DATE	TIME		WATER DEPTH		TRACK W/ AUTO	HAMME
IZE ID	(IN.)	2 1/4	2	1 3/8	2	8/26/2024	8:15 AM	N	OT ENCOUNTERED		RIG MODEL:	Alle Parising
MR. W	/T (LB.)	=	-	140	8		120 12-12 120000					
	ALL (IN.)		-	30	-						CME-55 LCX	
	SAMPLE		2000 00000000			ND ROCK CL	ASSIFICATI	I ON-DESCRIPT	TION	E_	STRATUM	
epth (FT)	NUMBER	RECOVERY (IN)	BLOWS PER 6"	BURN					SYSTEM (ROCK)	DEPTH (FT.)	DESCRIPTION	ELEV.
-		-	1	5-60000000	il e constituit de la c		12-12-11-1	STOREST THIRD DESCRIPTION	o coarse Gravel, trace	-	Shrington a tra	art):
1	S-1	15	3	Organic Matte	er (e.g., roots).					0.8'	TOPSOIL	437.2
254	reserved)	10000047	5 7	Bottom 9": Re	ddish brown, fi	ine to coarse S	SAND, some	tine to coarse G	Gravel, little Silt.	2.0'	SAND & GRAVEL	436.0
2			10	S-2: Dense, re	eddish brown, 1	fine to coarse	SAND, some	fine to coarse (	Gravel, little Silt.			700.0
3	S-2	19	13									
			25 32									
4												
5		7	11	S-3: Dense, re	eddish brown, f	fine to coarse	SAND, some	fine to coarse (	Gravel, little Silt.			
6	S-3	22	18		120				125		GLACIAL TILL	
			17 16									
7			10:									
8												
180												
9				1						NGA20 - 2004		
10	S-4	3	50/3"	S.A. Venzden	se grav fine to	n coarse SANI	) little fine to	coarse Gravel,	trace Silt	10.0'	WEATHERED	428.0
11	3-4	3	30/3	3-4. Very den	se, gray, line it	o coarse SAIN	o, muc mic to	coarse Graver,	dace ont.	10.8'	BEDROCK	427.2
•••						Auge	er Refusal ±1	0.8'				
12				ł								
13												
14				1								
15		1-										
16				1								
// state				-						1		
17			),									
18												
40												
19												
20										1		
21				1						1		
										1		
22												
am a st	<u>.</u>				NON BLAC	TIC (COT III	DI ACC	IC (SDT N)	CAMPIETURE		ppopost	IONE
emark	<b>.5</b> .				0-4 = VERY LOC	TIC (SPT-N) DSE	0-2 = VERY S	IC (SPT-N) SOFT	SAMPLE TYPE C = ROCK CORE		PROPORT trace = <10%	IONS
					4-10 = LOOSE		2-4 = SOFT		S = SPLIT SPOON	oran	little = 10% - 20%	
					10-30 = MEDIUN 30-50 = DENSE		4-8 = MEDIU 8-15 = STIFF	М	UP = UNDISTURBED PISTO UT = UNDISTURBED THIN		some = 20% - 35% and = 35% - 50%	
					50+ = VERY DE		15-30 = VERY	etiee .	OT - ONDISTORDED THIN	IALL	unu - 3370 - 3070	

			PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-3	SHEET	Γ: 1 OF 1	
1	SI	P	LOCATION:	93 LAKE STR	REET, MANCH	ESTER, CON	NECTICUT	CONTRACTO	R: SITE, LLC	-		_
	NOL	_1 \	PROJ. NO:	145.16763.00	033	1 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		FOREMAN: J.	DEANGELIS			_
	International C	min	CLIENT:	GREENSKIES	S CLEAN ENE	RGY, LLC		INSPECTOR:	K.REED			_
	ality Drive, Chesh 71.1773   ww.sirco		DATE:	AUGUST 26,	2024			GROUND SUR	RFACE ELEVATION: ±4	37.5'		=
EQUIPM	ENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	DUNDWATER D	EPTH (FT.)		TYPE OF RIG:	-
TYPE	1000000	HSA	2	SS	9	DATE	TIME		WATER DEPTH		TRACK W/ AUTO	)
SIZE ID	(IN.)	2 1/4	B	1 3/8	-	8/26/2024	9:00 AM		±3.4		RIG MODEL:	
HMR. W	T (LB.)	8	-	140	-		S.Atomprosoc.					
HMR. FA	LL (IN.)	8	5	30	-						CME-55 LCX	
Depth	SAMPLE	RECOVERY	BLOWS		SOIL A	ND ROCK CI	ASSIFICAT	ION-DESCRIPT	ION	Εç	STRATUM	
(FT)	NUMBER	(IN)	PER 6"	BURN	ISTER SYSTI	EM (SOIL) U.S	. CORPS OI	ENGINEERS S	SYSTEM (ROCK)	DEPTH (FT.)	DESCRIPTION	į
			WOH	S-1: Soft, Top	9": Dark brow	n, Clayey SILT	, some fine t	o medium Sand	, little Organic Matter	<del> -</del> -	TOPSOIL	4
1	S-1	18	2		race fine Grave					1.0'		97.5
100			1 2		eddish brown, ( er (e.g., roots).	∍iayey SIL I, S	ome me to m	iedium Sand, tra	ace fine Gravel, trace	2.0'	SUBSOIL	
2			4	S-2: Medium	dense, reddish	brown, fine to	coarse SAN	D, some fine to	coarse Gravel, little Silt.	ļ	SAND & GRAVEL	L
3	S-2	18	12 15	1						3.4'	G.W.T.	
4			50/5"	1								
				-						4.5'		
5		7	9	S-3: Dense, b	rown-gray, fine	e to coarse SA	ND, some fin	e to coarse Grav	vel, little Silt.			
6	S-3	20	12 18									
-			22									
7				1								
8				-								
9				1							GLACIAL TILL	
				1								
10			19	S-4: Very den	se, brown-gray	y, fine to coars	e SAND, son	ne fine to coarse	Gravel, little Silt.			
11	S-4	18	28 23	1								
12		1	23									
12						Aug	er Refusal ±1	2.41		12.4'		_
13				1		Aug	ei Keiusai I i	2,4				
14				1								
				-								
15				1								
16				1								
17				1								
3000				-								
18				1								
19				4								
20				1								
20												
21				+								
22				1								
1957				4								
Remarks	<b>3</b> :			L	NON-PLAS	TIC (SPT-N)		FIC (SPT-N)	SAMPLE TYPE	1	PROPORT	П
					0-4 = VERY LOC 4-10 = LOOSE	OSE	0-2 = VERY : 2-4 = SOFT	SOFT	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%	
					10-30 = MEDIUI	M DENSE	4-8 = MEDIU	М	UP = UNDISTURBED PISTO	ON	some = 20% - 35%	
					30-50 = DENSE		8-15 = STIFF		UT = UNDISTURBED THIN	WALL	and = 35% - 50%	
					50+ = VERY DE	****	15-30 = VERY				1	

			PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-4	SHEET	: 1 OF 1		_
1	#SI	D	LOCATION:	93 LAKE STR	REET, MANCH	ESTER, CONI	NECTICUT	CONTRACTOR	R: SITE, LLC				_
-	N OL	_ [7	PROJ. NO:	145.16763.00	033		2010-01-1126-1-126	FOREMAN: J.	DEANGELIS				_
SLR	International C	orporation	CLIENT:	GREENSKIES	S CLEAN ENE	RGY, LLC	-	INSPECTOR:	K.REED				-
99 Re 203.2	eality Drive, Chesh 271.1773   ww.sirco	ire, CT 06410 nsulting.com	DATE:	AUGUST 26,			-	T.	FACE ELEVATION: ±46	ION: ±460.5'			
QUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	AN AN ANT ODER OF AN ASSESSMENT PROCESS OF AN AND AN AND AN AND AN AND AN AND AN AND AND	areau	TYPE OF RIG:		-
YPE		HSA	- CASING	SS	CONLINE	DATE	TIME	I	A 75 STOCKE MAN PACE SO		TRACK W/ AUTO	намме	D
	/IKL V	# ####################################		10252 102525	-		107500 MICO	N/	T ENCOUNTERED		RIG MODEL:	I/AWIWIL	15
IZE ID	20. To	2 1/4	2	1 3/8	-	8/26/2024	9:45 AM	INC	JI ENCOUNTERED				
	/T (LB.)		<del>-</del>	140	×						CME-55 LCX		
MR. FA	ALL (IN.)	. 8	5	30	5			Į.					Т
epth	SAMPLE	RECOVERY	BLOWS		SOIL A	AND ROCK CL	ASSIFICATI	ON-DESCRIPT	ON	DEPTH (FT.)	STRATUM	ELEV.	
(FT)	NUMBER	(IN)	PER 6"		ar - course of the course of t			to the concentrate indicates to the control of	SYSTEM (ROCK)	a a	DESCRIPTION	111111	
			2	S-1: Loose, Toots), trace fi		own, fine to me	dium SAND,	some Silt, trace	Organic Matter (e.g.,	0.01	TOPSOIL	450 C	١
1	S-1	15	3 4			ine to coarse S	SAND, some	Silt, little fine to	coarse Gravel.	0.9'		459.6'	1
2			2	]			1805				SAND & GRAVEL		
2			6							2.3'		458.2	1
3	S-2	20	20 26	Bottom 17": L	ight brown, fine	e to coarse SA	ND, some fin	e to coarse Gra	vei, trace Silt.				
52 <b>4</b>			24										
4				]									l
5			34	S 3: Veny den	se reddish bro	wn gray fine t	to coarse SAI	ND come Silt li	ttle fine to coarse Gravel.				I
020	2270	322	40	3-3. Very den	se, reduisir bre	wii-gray, iiile t	to coarse SAI	ND, Some Siit, ii	tile lille to coalse Glavel.				l
6	S-3	18	41	1									l
7			50/4"										l
				-									l
8				1							a a		l
9				1							GLACIAL TILL		l
				1									l
10			33	S-4: Dense, re	eddish brown-o	gray, fine to coa	arse SAND, s	some Silt, little fi	ne to coarse Gravel.				l
11	S-4	21	25										l
13.2	5.00	(57-10)	22	-									l
12			48	1									l
13				1									
14				1						14.3'		446.2'	١
15						Auge	er Refusal ±1	4.3'		- Anna Anna Anna Anna Anna Anna Anna Ann		_ 22000000	1
				-									
16				1									
17				1									
18				1									
19				1									
				-									
20				1									
21				1									
				-									
22				1									
emark	s:				INDIAN ANDRES CONTRACTOR	TIC (SPT-N)	2004 11 1000	TIC (SPT-N)	SAMPLE TYPE		PROPORT	IONS	_
					0-4 = VERY LOC 4-10 = LOOSE		0-2 = VERY S 2-4 = SOFT	SUFI	C = ROCK CORE S = SPLIT SPOON		trace = <10% little = 10% - 20%		
					10-30 = MEDIUN		4-8 = MEDIU	М	UP = UNDISTURBED PISTO	ON	some = 20% - 35%		
					30-50 = DENSE		8-15 = STIFF		UT = UNDISTURBED THINK	VALL	and = 35% - 50%		
					50+ = VERY DE		15-30 = VERY						

	William Francisco		PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-5	SHEET	: 1 OF 1		
1	#SL	R	LOCATION:	93 LAKE STF	REET, MANCH	ESTER, CONI	NECTICUT	CONTRACTOR	R: SITE, LLC				
-	NOL	_ 1 \	PROJ. NO:	145.16763.00	033			FOREMAN: J.	DEANGELIS				
SLR	International Co	orporation	CLIENT:	GREENSKIE	S CLEAN ENE	RGY II.C		INSPECTOR: H	( RFFD				
	ality Drive, Cheshi 71.1773   ww.sirco		DATE:	AUGUST 26,					FACE ELEVATION: ±46	0.5'			_
				ľ	1	F		Parallel mention of the same		10.0	TYPE OF RIG:		
	IENT:	AUGER	CASING	SAMPLER	COREBRL.		i	UNDWATER DI	EPIH (FI.)				2
E	Address New	HSA	=	SS	-	DATE	TIME	2000	WATER DEPTH		TRACK W/ AUTO	HAMME	R
: ID	(IN.)	2 1/4	2	1 3/8	-	8/26/2024	10:45 AM	NC	OT ENCOUNTERED		RIG MODEL:		
t. W	T (LB.)	8		140							CME-55 LCX		
t. F	ALL (IN.)	8	=	30	- 1								
th	SAMPLE	RECOVERY	BLOWS		SOIL A	AND ROCK CL	ASSIFICATI	ON-DESCRIPTI	ON	Ħ.C	STRATUM	. v.	77.0
)	NUMBER	(IN)	PER 6"	BURN	ISTER SYST	EM (SOIL) U.S	. CORPS OF	ENGINEERS S	YSTEM (ROCK)	DEPTH (FT.)	DESCRIPTION	ELEV. (FT.)	Domork
=	0.4	2	2	S-1: Very den	ise, dark browr	n, fine to mediu	ım SAND, so	me Silt, little fine	to coarse Gravel, trace	-	TORSON	01112	-
1	S-1	6	50/3"		er (e.g., roots).					0.7'	TOPSOIL	459.8	
											SAND & CRAVEL		l
2			9	S-2: Verv den	ise, Top 5": Re	ddish brown, fi	ine to coarse	SAND and fine t	o coarse GRAVEL,	2.6'	SAND & GRAVEL	457.9'	
2	S-2	17	26	trace Silt.									1
0	3-2	110	30	Bottom 12": F	Reddish brown-	gray, fine to co	oarse SAND,	some fine to coa	irse Gravel, little Silt.		GLACIAL TILL		
4			40							4.7'		AEE OI	١,
1020						Aug	er Refusal ±4	1.7'		4.1		455.8'	'
5						WAR							l
6													l
													l
7		-											l
8													l
٥													l
9													l
1000													l
10				1									
11													l
12													
13													l
•				4									
14				1									
45				1									
15				]									
16				1									
200				1									
17				1									
18				1									
				+									
19				t									
20				1									
_,				1									
21													
				1									1
22				1									
					W2222000000000000000000000000000000000		2,000,000		112012002		Til 22 (2,00,000,000,000		
ark	s: 1. Initial aug	ger refusal ±4.5 er refusal ±4.7 f	feet below exi	sting grade.	NON-PLAS 0-4 = VERY LOG	TIC (SPT-N)	0-2 = VERY	TIC (SPT-N)	SAMPLE TYPE C = ROCK CORE		PROPORTI trace = <10%	ONS	_
. 0	icei easi, augi	oi iciuadi 14.7 l	icci pelow exis	ung grade	4-10 = LOOSE	USE	2-4 = SOFT	500000	S = SPLIT SPOON		little = 10% - 20%		
					10-30 = MEDIUI	M DENSE	4-8 = MEDIU	м	UP = UNDISTURBED PISTO	ON	some = 20% - 35%		
					10-30 = MEDIUN 30-50 = DENSE 50+ = VERY DE		4-8 = MEDIU 8-15 = STIFF 15-30 = VERY	1	UP = UNDISTURBED PISTO UT = UNDISTURBED THINV				

	よりに	67 HUNT STREET, SUITE 203-C AGAWAM, MA 413.241.6920 SLRCONSULTING.COM
DATE BY		
DESCRIPTION		
		NOT FOR CONSTRUCTION
BORING LOGS - 93 LAKE STREET	MANCHESTER SOLAR FACILITY GREENSKIES CLEAN ENERGY, LLC	81 & 93 LAKE STREET MANCHESTER, CONNECTICUT
MRG DESIGNED	JLS	MRG CHECKED
	JULY 21, 2	
SHEET NO	05 OF 1	4
	BL-	2

7													
					В	ORIN	G LC	OG					
			PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-7	SHEET	T: 1 OF 1		_
	FSL	R	LOCATION:	93 LAKE STE	REET, MANCH	ESTER, CON	NECTICUT	CONTRACTO	R: SITE, LLC				
-	NOL	_1 \	PROJ. NO:	145.16763.00	0033			FOREMAN: J.	DEANGELIS				
	International C	(1)	CLIENT:	GREENSKIE	S CLEAN ENE	RGY, LLC		INSPECTOR:	K.REED				
	ality Drive, Chesh 271.1773   ww.sirco		DATE:	AUGUST 26,	2024			GROUND SUF	RFACE ELEVATION: ±4	57.5'			
EQUIPN	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:		_
TYPE	N. Mar. A. C. Salari	HSA	2	SS	2	DATE	TIME		WATER DEPTH		TRACK W/ AUTO	HAMME	R
SIZE ID	(IN.)	2 1/4	2	1 3/8	2	8/26/2024	12:30 PM	No.	OT ENCOUNTERED		RIG MODEL:	AND PRESIDEN	00000
HMR. W	20. To	-	-	140	-	5(50)5550	250000000000000000000000000000000000000				1		
HMR. F	1/ 1	-	-	30	-						CME-55 LCX		
	500000000000000000000000000000000000000	DECOVERY	DI OWO		SOIL A	ND ROCK CI	ASSIFICATI	I ON-DESCRIPT	ION	Ι.		24.	¥
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"		IISTER SYSTI	EM (SOIL) U.S	s. CORPS OF	ENGINEERS :	SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV.	Remark
			1 2	S-1: Loose, T roots), trace f		own, fine to me	edium SAND	and SILT, trace	Organic Matter (e.g.,	0.8'	TOPSOIL	456.7	
1	S-1	14	3			ine to coarse s	SAND, some	Silt, some fine t	o coarse Gravel.	0.0		430.7	1
2			3	]							SAND & GRAVEL		
=	1575	974	3 13	S-2: Medium little Silt.	dense, 1 op 4":	Reddish brow	n, fine to coa	rse SAND, little	fine to coarse Gravel,	2.5'		455.0	1
3	S-2	18	14	Bottom 14": F	Reddish brown-	gray, fine to co	oarse SAND,	little fine to coar	se Gravel, little Silt.				
4			31	1									
5													
"	S-3	11	35	S-3: Very der	ise, light brown	-gray, fine to c	coarse SAND,	little fine to coa	rse Gravel, trace Silt.				
6	AC 0.000 M		50/4"										
7				1									
											GLACIAL TILL		
8				1									
9													
10				i									
			18	S-4: Medium Gravel.	dense, reddish	brown-gray, f	ine to medium	n SAND, little Si	It, trace fine to coarse				
11	S-4	21	10 8	Graver.									
12			14	1						589534		75757676	3
0/9854						Auge	er Refusal ±1:	2.3'		12.3'		445.2	1
13				1		1,177,2-4							
14				-									
15				İ									
				-									
16				1									
17													
40				1									
18				1									
19		1.											
20				1									
2000				1									
21													
22				-									
	201												
Remark	s:				0-4 = VERY LOG	TIC (SPT-N) DSE	0-2 = VERY S	IC (SPT-N) SOFT	SAMPLE TYPE C = ROCK CORE		PROPORT trace = <10%	ONS	
					4-10 = LOOSE		2-4 = SOFT		S = SPLIT SPOON		little = 10% - 20%		
					10-30 = MEDIUN 30-50 = DENSE		4-8 = MEDIUI 8-15 = STIFF	М	UP = UNDISTURBED PIST UT = UNDISTURBED THIN		some = 20% - 35% and = 35% - 50%		
					50+ = VERY DE		15-30 = VERY	STIFF	2. SHOISTONDED THIN	2500000000	JJ 70 - JU 70		
							30 + = HARD						

	William I am		PROJECT:	PROPOSED	PV SOLAR FA	CILITY		BORING NO.:	SLR-8	SHEET	T: 1 OF 1	
1	FSL	P	LOCATION:	93 LAKE STF	REET, MANCH	ESTER, CON	NECTICUT	CONTRACTO	R: SITE, LLC			
			PROJ. NO:	145.16763.00	0033			FOREMAN: J.	DEANGELIS			
	International C	th) =	CLIENT:	GREENSKIE	S CLEAN ENE	RGY, LLC		INSPECTOR:	K.REED			
	ality Drive, Chesh 71.1773   ww.sirco		DATE:	AUGUST 27,	2024			GROUND SUF	RFACE ELEVATION: ±42	26.0'		
EQUIPM	IENT:	AUGER	CASING	SAMPLER	COREBRL.		GRO	UNDWATER D	EPTH (FT.)		TYPE OF RIG:	
TYPE		HSA	2	SS	2	DATE	TIME	ĺ	WATER DEPTH		TRACK W/ AUTO	HAMME
SIZE ID	(IN.)	2 1/4	2	1 3/8	2	8/27/2024	7:15 AM		±13.3'		RIG MODEL:	
HMR. W	T (LB.)	-	-	140	-		Control process					
HMR. FA	ALL (IN.)	5	5	30	5						CME-55 LCX	
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BURN				ON-DESCRIPT	ION SYSTEM (ROCK)	DEPTH (FT.)	STRATUM DESCRIPTION	ELEV.
			2						T, little fine to coarse	D	The second second	arti:
1	S-1	14	4	Gravel, trace	Organic Matter	(e.g., roots).				0.8'	TOPSOIL	425.2
1.8	657/2V.D	0.50/98	15 4	Bottom 8": Re	eddish brown, f	ine to coarse s	SAND, some	fine to coarse G	ravel, little Silt.	in intratiglistic		
2			5	S-2: Medium	dense, reddish	brown, fine to	coarse SAN	D, some fine to	coarse Gravel, little Silt.			
3	S-2	18	8 9	-							SAND & GRAVEL	ě
S4			16	1								
4				]						4.5'		421.5
5		Ų.	14	S-3: Dense, r	eddish brown,	fine to coarse	SAND, some	fine to coarse 0	Gravel, little Silt.			
6	S-3	20	20	1					3/			
			19 22	-								
7			- 22	1								
8				]								
				1								
9				1								
10			32	S-4: Very den	se light brown	-gray fine to c	narse SAND	and fine to coar	se GRAVEL, little Silt.		GLACIAL TILL	
11	S-4	14	29			<b>3 3</b> 1						
		-	50/3"	-								
12				1								
13				]						40.01	CWT	
19.52				1						13.3'	G.W.T.	412.7
14												
15	S-5	5	50/5"	S-5: Verv den	nse, reddish bro	own-gray, fine	o coarse SA	ND, little fine to	coarse Gravel, little Silt.	15.4'		410.6
16	en en en en						of Exploration					
00445				1								
17				1								
18				-								
40				1								
19												
20				1								
21				1								
				-								
22				1								
Remark	٠.				NON DI AC	TIC (SPT-N)	DI AC	TIC (SPT-N)	SAMPLE TYPE		PROPORT	IONS
ixemark:	2.0				0-4 = VERY LOC	A CONTROL OF LANSING	0-2 = VERY	A CHARLES AND A CONTRACT	C = ROCK CORE		trace = <10%	ION3
					4-10 = LOOSE		2-4 = SOFT	201	S = SPLIT SPOON		little = 10% - 20%	
					10-30 = MEDIUN 30-50 = DENSE		4-8 = MEDIU 8-15 = STIFF		UP = UNDISTURBED PISTO UT = UNDISTURBED THIN		some = 20% - 35% and = 35% - 50%	
					50+ = VERY DE		15-30 = VERY			est#971788		

67 HUNT STREET, SUITE 203-C

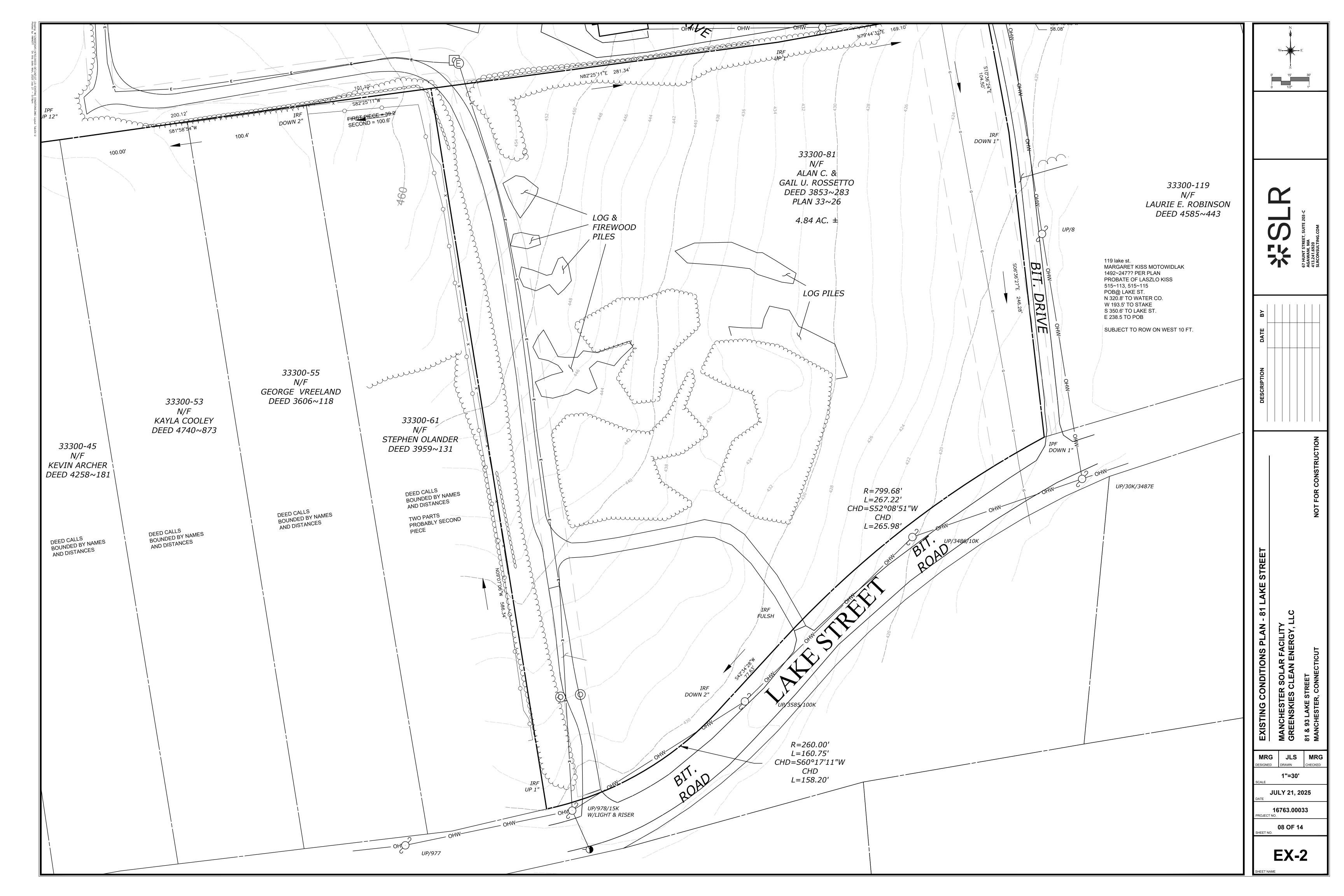
				UCTION
DESCRIPTION				
DATE				
ΒY				

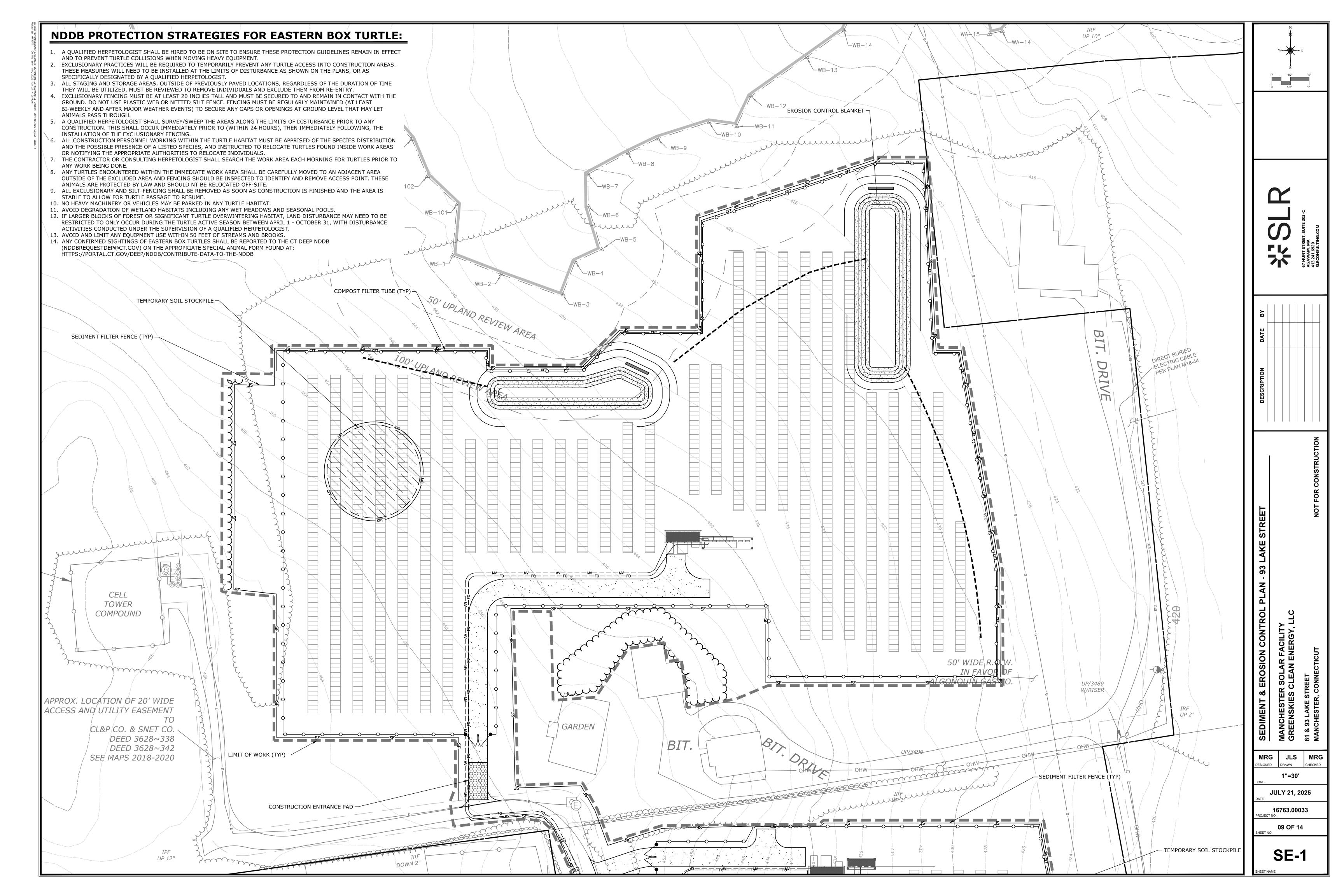
ORING LOGS - 93 LAKE STREET
ANCHESTER SOLAR FACILITY
REENSKIES CLEAN ENERGY, LLC

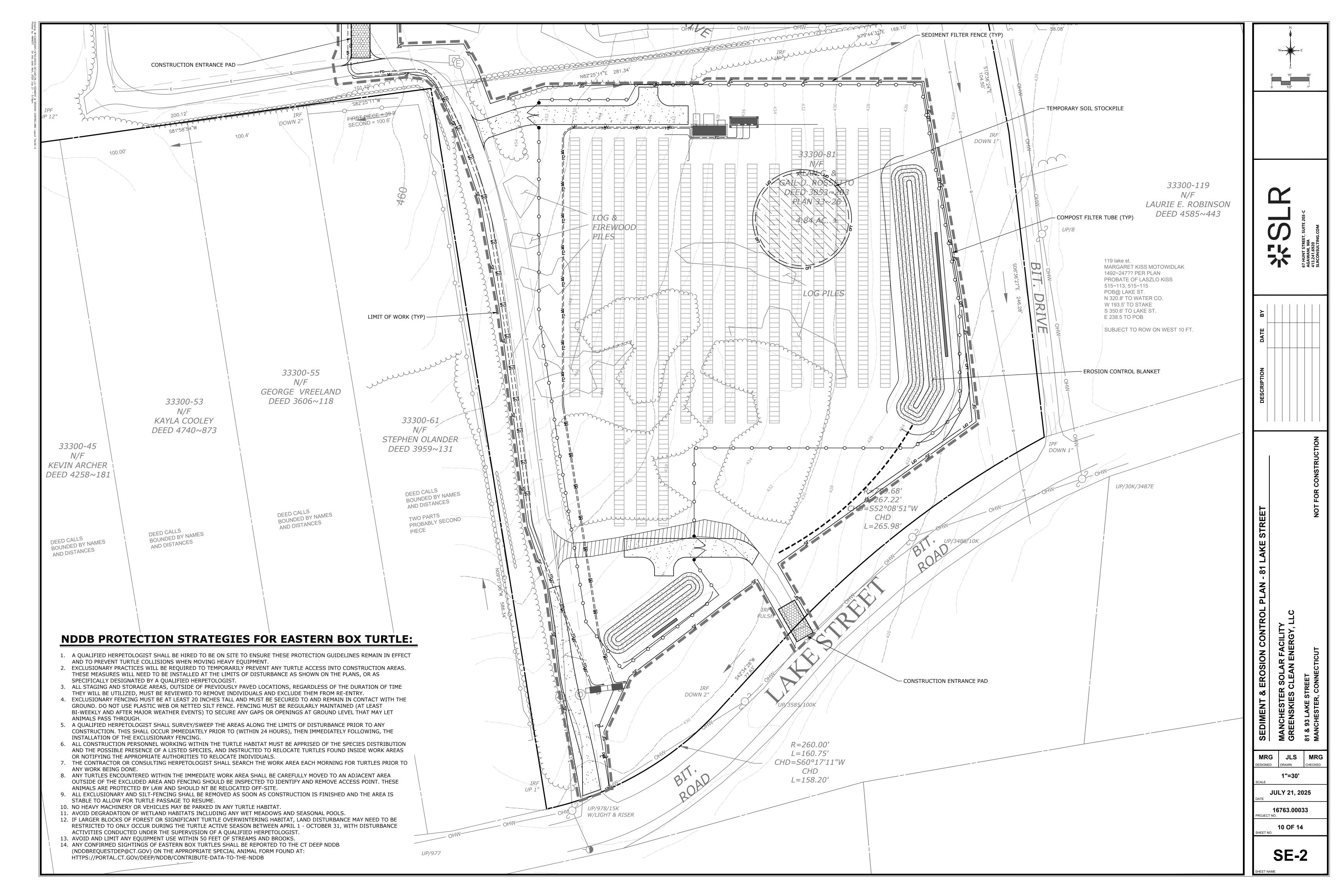
ш	≥ ປ	òΣ
MRG	JLS	MRG
ESIGNED	DRAWN	CHECKED
SCALE	N.T.S.	
<b>JU</b> I	LY 21, 20	25
16 PROJECT NO.	763.0003	33
SHEET NO.	06 OF 14	

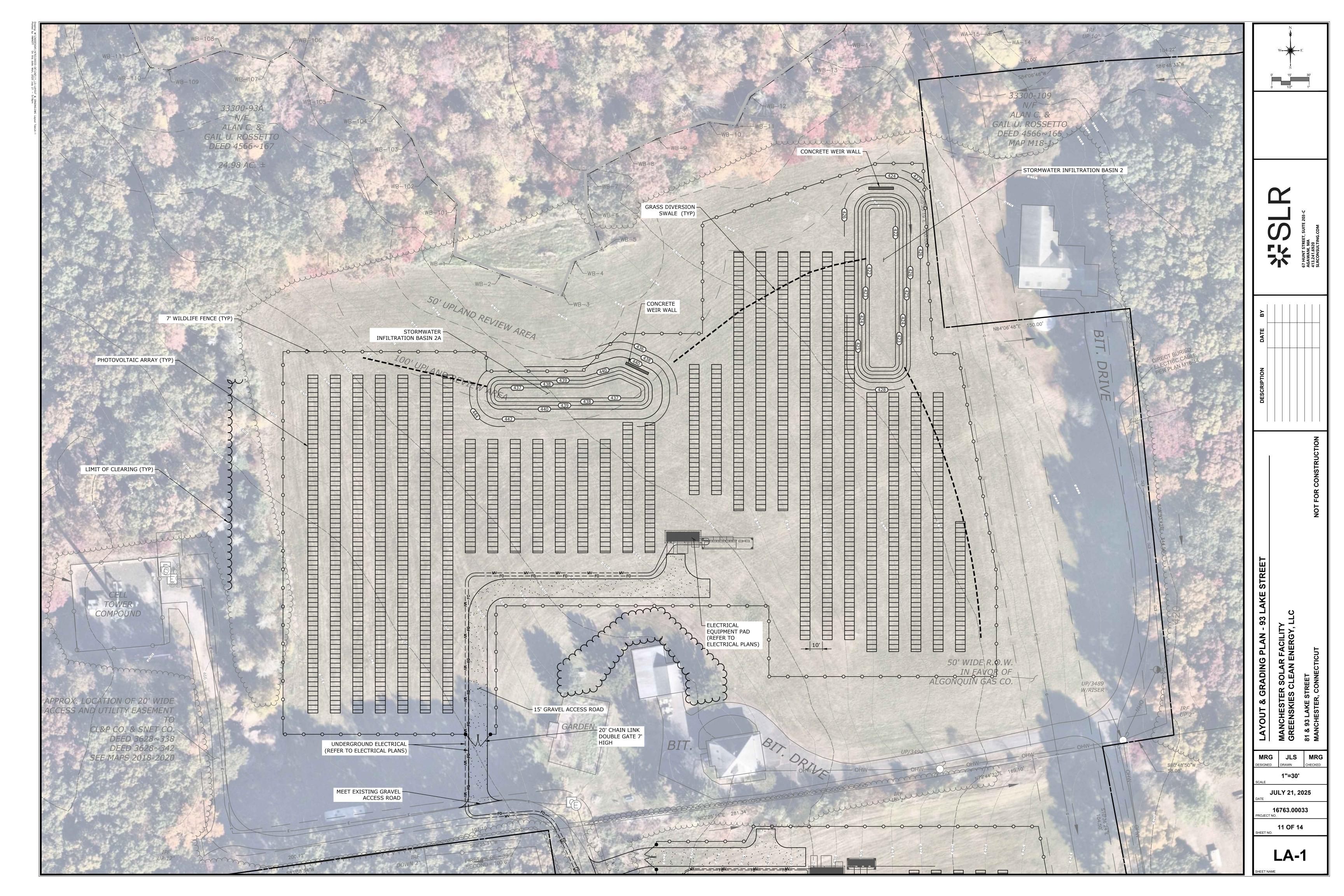
BL-3













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

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

ADDITIONAL TEMPORARY VEGETATIVE COVER MEASURES SUCH AS FOR EXAMPLE FROSION CONTROL MATS SHALL BE INSTALLED AS MAY BE DIRECTED BY THE TOWN PLANNER OR ZONING ENFORCEMENT OFFICER.

# 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
- b. THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
- c. THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL
- PROVISION SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
- e. EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING, OR CRACKING.
- f. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATERBODIES.
- PRIOR TO ANY REGRADING, A STABILIZED CONSTRUCTION ENTERANCE 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.
- 2. UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
- 3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS
- 4. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE. MATERIAL: 1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF
- TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE, 3, TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL AND MUST BE FREE OF STONES LARGER THAN 1,25", LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, NUTGRASS, AND
- 6. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL. SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT
- SOLUBLE SALT CONTENT OF OVER 500 PARTS PER MILLION (PPM) IS LESS 6. THE pH SHOULD BE 5.5 TO 7 IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL.

# EXECUTION

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

# **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 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**

- SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN
- 2. SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (REFER TO TEMPORARY OR PERMANENT VEGETATIVE COVER REQUIREMENTS?
- APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC
- 4. COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EOUIPMENT (EXCEPT
- 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.

**EROSION CONTROL** 

**MEASURE** 

SILT FENCE

**COMPOST FILTER** 

CONSTRUCTION

**ENTRANCE** 

**STOCKPILE** 

**PROTECTION** 

- 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 SO. FT.)

**CONTROL OBJECTIVE** 

- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF

- PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE

- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF

- PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE

- REDUCE THE TRACKING OF SEDIMENT OFF-SITE ONTO

RETAIN SOIL STOCKPILE IN LOCATIONS SPECIFIED.

SEDIMENT FROM SMALL DISTURBED AREAS.

SEDIMENT FROM SMALL DISTURBED AREAS.

- DECREASE VELOCITY OF SHEET FLOW.

AND REDUCE WATER-TRANSPORT

PAVED SURFACES.

- DECREASE VELOCITY OF SHEET FLOW.

# **EROSION CHECKS**

CONSTRUCTION:

TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

- 1. BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- 2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (6") INCHES.
- 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE
- 4. GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF SIX INCHES (6") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET

## INSTALLATION AND MAINTENANCE:

- 1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
- 2. BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
- 3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
- INSPECTION SHALL BE FREQUENT (PER TABLE BELOW) AND REPAIR OR EPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE

# 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.

- 1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
- REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA
- 3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF TWO (2) 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. SITE PREPARATION
- 1. SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER
- SELECTION & MULCHING
- 2. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC
- 3. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EOUIPMENT.
- 4. MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. (SEE VEGETATIVE)

# PERMANENT VEGETATIVE COVER

# GENERAL:

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.

WITHIN THE ARRAY FOOTPRINT, PERMANENT VEGETATIVE COVER SHOULD BE MANAGED TO REDUCE THE NUMBER OF MOWINGS PER YEAR AND TO AVOID MOWING DURING THE GROWING SEASON TO AVOID CUTTING BLOOMS AND REDUCING POLLINATOR FORAGE, MOWING SHOULD NOT OCCUR BETWEEN MAY 1 AND OCTOBER 1, WHERE FEASIBLE SELECTIVE CUTTING OF INVASIVE SPECIES MAY CONTINUE ON AN AS-NEEDED BASIS. MOWING EQUIPMENT MUST BE WASHED BEFORE AND AFTER USE TO PREVENT THE SPREAD OF INVASIVE PLANTS BETWEEN SITES.

- 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 PER THE TECHNICAL SPECIFICATIONS.

# POLLINATOR VEGETATION COVER MANAGEMENT

- 1. MOWING SCHEDULE SHALL OCCUR OUTSIDE THE GROWING SEASON (BETWEEN OCTOBER 1 AND MAY 1) NO MORE
- 2. MOWER HEIGHT SHALL BE SET BETWEEN 7-12 INCHES ABOVE GROUND LEVEL

**EROSION CONTROL MAINTENANCE INTERVALS** 

**INSPECTION/MAINTENANCE** 

INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A

RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE ITS

INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A

DEPTH OF SEDIMENT IS WITHIN 3" OF THE TOP OF THE BARRIER. INSPECT FREQUENTLY

INSPECT AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC

ADDITION OF STONE, OR LENGTHENING OF ENTRANCE MAY BE REQUIRED AS CONDITIONS

INSPECT SILT FENCE AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES.

DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED

SURFACES AS A RESULT OF INEFFICIENCY OF CONSTRUCTION ENTRANCE SHALL BE

PERIODIC REINFORCEMENT OF SILT FENCE, OR ADDITION OF HAY BALES MAY BE

DURING PUMPING OPERATIONS IF USED FOR DEWATERING OPERATIONS.

RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE THE

DEPTH IS EQUAL TO ½ THE TRENCH HEIGHT. INSPECT FREQUENTLY DURING PUMPING

OPERATIONS IF USED FOR DEWATERING OPERATIONS

IMMEDIATELY REMOVED.

3. MOWING PATTERN SHOULD BEGIN AT THE CENTER OF THE POLLINATOR PATCH, MOWING OUTWARD TOWARDS THE EDGES TO REDUCE WILDLIFE STRIKES.

**FAILURE INDICATORS** 

EVIDENCE OF OVERTOPPED OR UNDERCUT FENCE

EVIDENCE OF SIGNIFICANT FLOWS EVADING

PHYSICAL DAMAGE OR DECOMPOSITION

PHYSICAL DAMAGE OR DECOMPOSITION

EVIDENCE OF OVERTOPPED OR UNDERCUT

EVIDENCE OF SIGNIFICANT FLOWS EVADING

SEDIMENT IN ROADWAY ADJACENT TO SITE

EVIDENCE OF STOCK PILE DIMINISHING

CAPTURE

REPETITIVE FAILURE

DUE TO RAIN EVENTS

FAILURE OF SILT FENCE

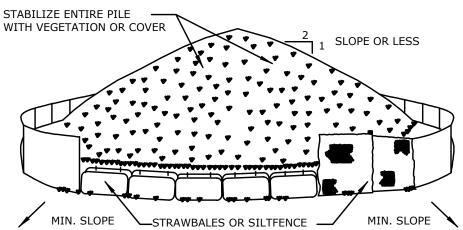
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING SCC225, DO NOT SEED PREPARED AREA. SCC225 MUST BE INSTALLED WITH PAPER SIDE DOWN.
- 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER
- 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 GREET CATALOG FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE

# APPLICATION OF EROSION **CONTROL BLANKET ON SLOPES**

NOT TO SCALE



# INSTALLATION NOTES

- 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION

# **STOCKPILE PROTECTION (STK)**

REMOVAL

SILT FENCE MAY BE REMOVED AFTER UPHILL AND

COMPOST FILTER TUBE MAY BE REMOVED AFTER

CONSTRUCTION ENTRANCE MAY BE REMOVED

ROADWAY HAVE BEEN PERMANENTLY PAVED.

STOCKPILE PROTECTION MAY BE REMOVED ONCE

ONCE THE SITE HAS BEEN PERMANENTLY

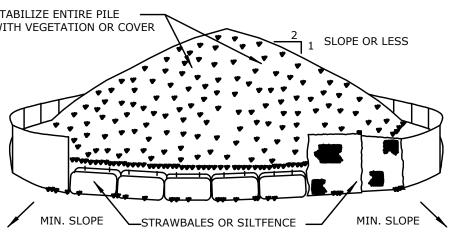
THE STOCKPILE IS USED OR REMOVED.

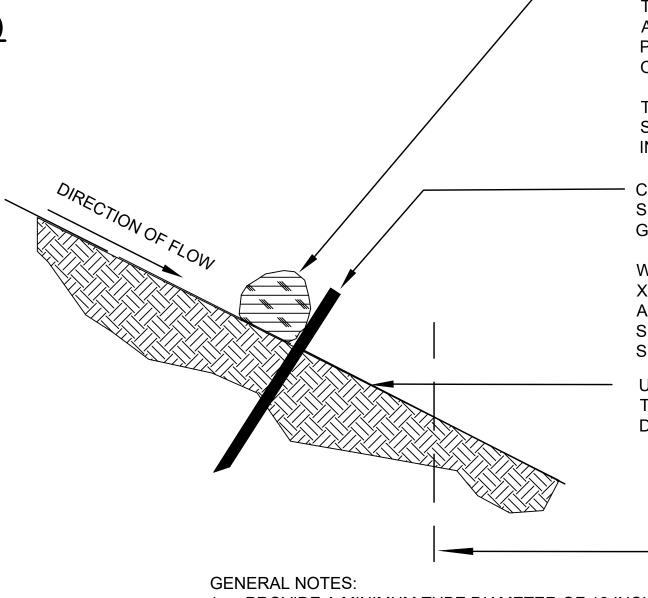
STABILIZED, AND ALL OTHER SECTIONS OF

UPHILL AREAS HAVE BEEN PERMANENTLY

STABILIZED.

SENSITIVE AREAS HAVE BEEN PERMANENTLY





 COMPOST FILTER TUBE MINIMUM 12 INCHES (300mm) IN DIAMETER WITH AN EFFECTIVE HEIGHT OF 9.5 INCHES (240mm).

SUPPORTS (TREES, CINDER BLOCKS) ON SLOPES 2:1 OR GREATER.

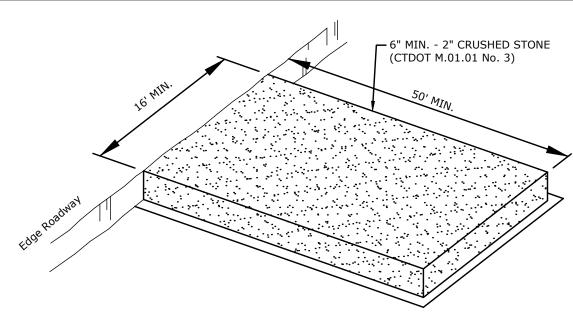
X 3 FEET UNTREATED HARDWOOD STAKES, UP TO 5 FT. (1.5m) APART OR AS REQUIRED TO SECURE TUBES IN PLACE. TUBES SHALL BE STAKED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

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

- 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.
- 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.
- 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

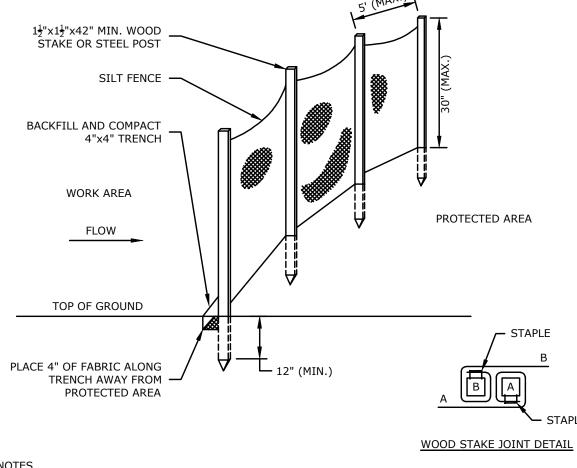
**COMPOST FILTER TUBE** 

**NOT TO SCALE** 



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

# **CONSTRUCTION ENTRANCE PAD** NOT TO SCALE



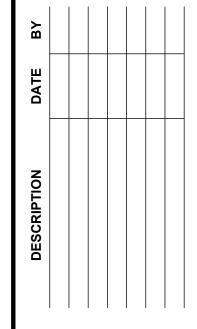
# **GENERAL NOTES**

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

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

WHERE NECESSARY, STAKING SHALL BE MIN. 1 INCH X 1 INCH

LIMIT OF WORK



STER SOLAR FACILITY KIES CLEAN ENERGY,

MRG JLS MRG

**AS NOTED** 

**JULY 21, 2025** 

13 OF 14

16763.00033

SD-1

# 7' HIGH WILDLIFE PERIMETER FENCE

NOT TO SCALE

1. POSTS AND BRACE RAIL MATERIAL SHALL BE PRESSURE-TREATED SOUTHERN YELLOW PINE.

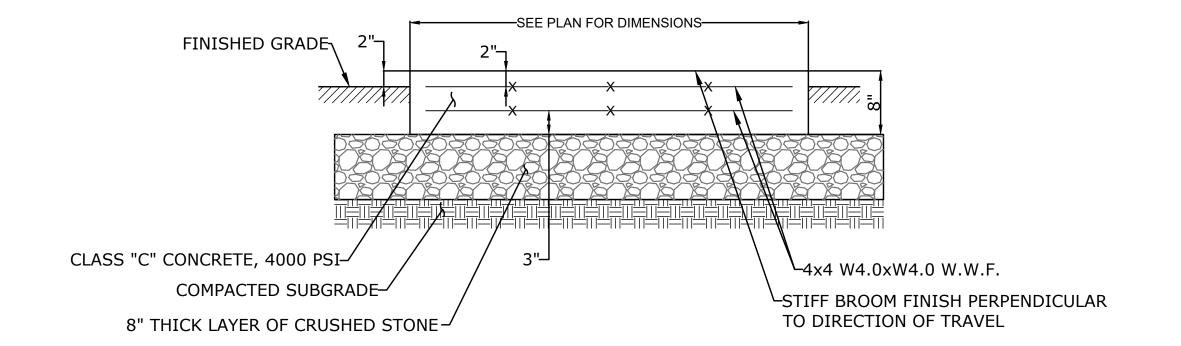
FENCE MATERIAL: SOLIDLOCK FIXED KNOT GAME FENCE. 84" HIGH, 12.5 GAUGE WIRE AND CLASS 3 GALVANIZED. LARGER OPENINGS

SHALL BE LOCATED AT THE BASE. FABRIC TO BE FASTENED TO POSTS WITH STAPLES PER THE SPECIFICATIONS

ADDITIONAL BRACING MAY BE REQUIRED ON LONGER FENCE RUNS.

FABRIC SCREENING SHALL BE INSTALLED ON FENCE RUNS AS SHOWN ON THE PLANS.

5. MAINTAIN 6" MINIMUM CLEARANCE OFF EXISTING GROUND LEVEL TO FACILITATE WILDLIFE MOBILITY



# REINFORCEMENT

REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 GRADE 60. UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.

# CONCRETE

ALL CONCRETE SHALL BE CLASS "C" CONCRETE WITH A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI

# TO BE USED IN CONSTRUCTION OF:

SLAB ON GRADE

THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.

EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" X 1" UNLESS DIMENSIONED OTHERWISE.

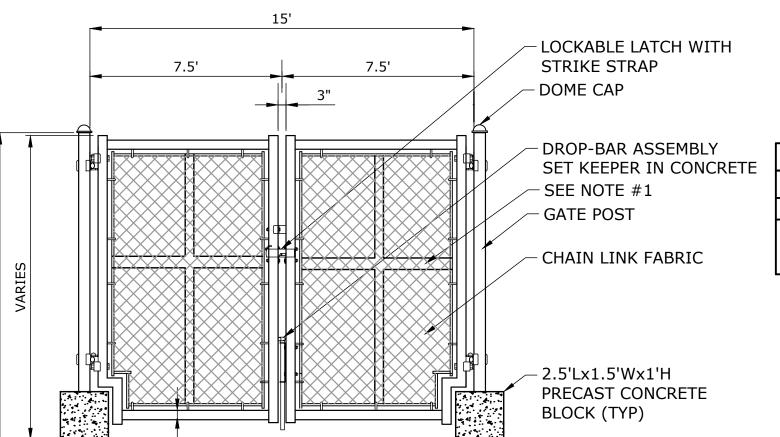
ALL REINFORCEMENT SHALL HAVE 3" COVER AT BOTTOM OF FOOTINGS AND 2" COVER ELSEWHERE UNLESS DIMENSIONED OTHERWISE.

CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

CONTRACTOR SHALL SECURE ALL UTILITIES (PIPING, ELECTRICAL, ETC.) AND VERIFY LOCATIONS PRIOR TO POURING CEMENT.

# TYPICAL EQUIPMENT PAD SECTION

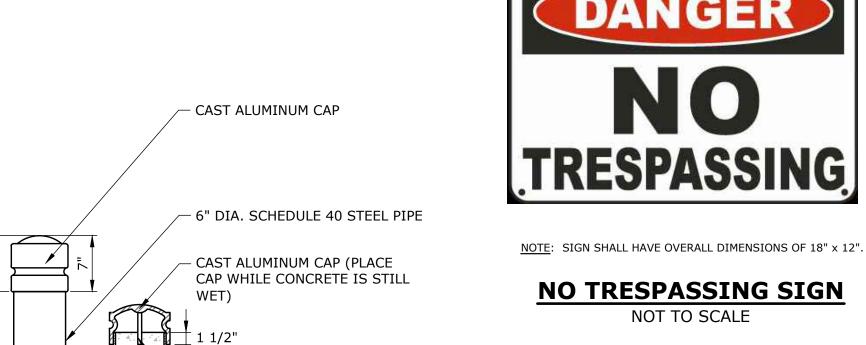
NOT TO SCALE

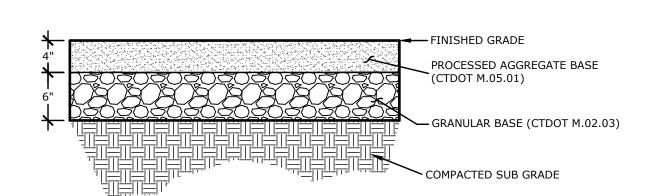


	DOUBLE LEAF GATE										
OPENING	GATE POSTS	HINGE SPACE (S)									
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT									
12'	2 7/8" OR 2.875" O.D.	FOR SQUARE & ROUND GATE POST: 2 7/8"									

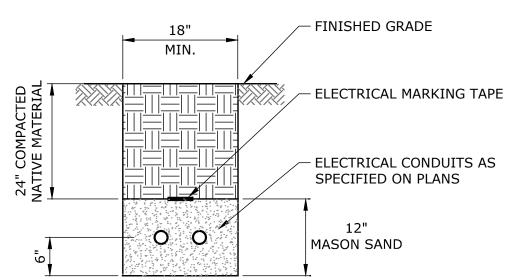
- 1. CENTER UPRIGHT REQUIRED ON GATE LEAVES 8' & WIDER. CENTER RAIL REQUIRED ON GATE LEAVE 10' & HIGHER.
- 2. CONTRACTOR TO SUBMIT SHOP DRAWINGS.
- 3. ALL SWING GATES SHALL SWING AWAY FROM THE TRACK SURFACE, NO GATE SURROUNDING THE TRACK IS PERMITTED TO SWING TOWARDS THE TRACKS, PROVIDE STOP AS REQUIRED TO PREVENT SWINGING OF GATES TOWARDS THE

# **DOUBLE CHAIN LINK FENCE GATE**

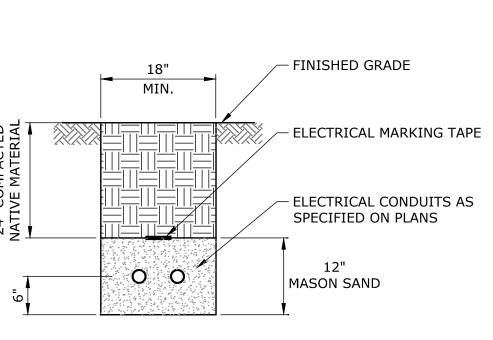




# **SECTION - PROPOSED GRAVEL DRIVE** NOT TO SCALE



# **ELECTRICAL CONDUIT TRENCH** NOT TO SCALE



MRG JLS MRG **AS NOTED JULY 21, 2025** 16763.00033

14 OF 14

SD-2

6" DIA. SCHEDULE 40 STEEL PIPE - 1/2" REBAR CAST INTO CAP ─ "CLASS A" 3000 PSI CONCRETE - FINISHED GRADE BITUMINOUS CONCRETE - CLASS A CONCRETE FOOTING

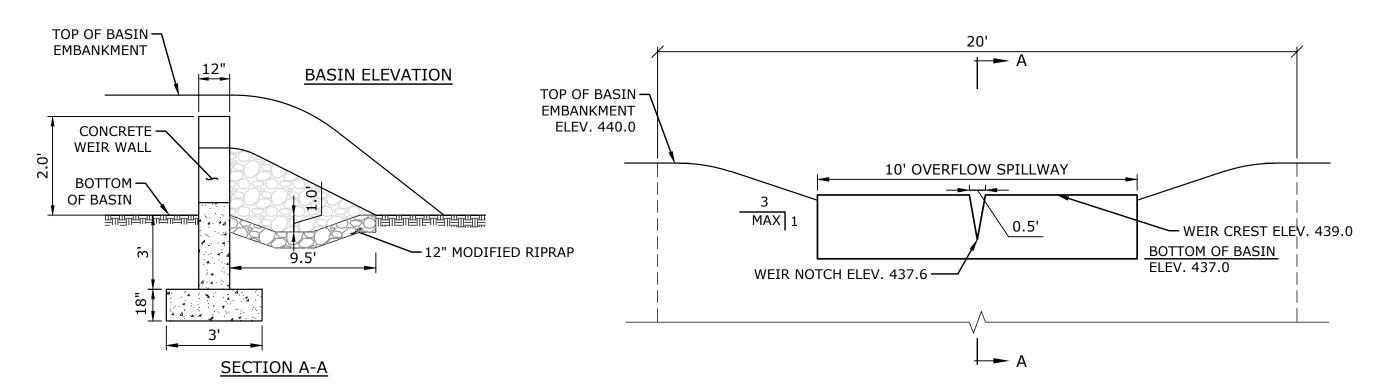
└- 2 1/2"

1. APPLY TWO COATS OF RUST INHIBITING PRIMER AND TWO COATS OF EPOXY PAINT ON TOP. COLOR- GLOSS HIGH VISIBILITY YELLOW. 9028-6 PHOENICIAN BOLLARD OR BOLLARD CAP BY IRONSMITH OR APPROVED EQUAL.

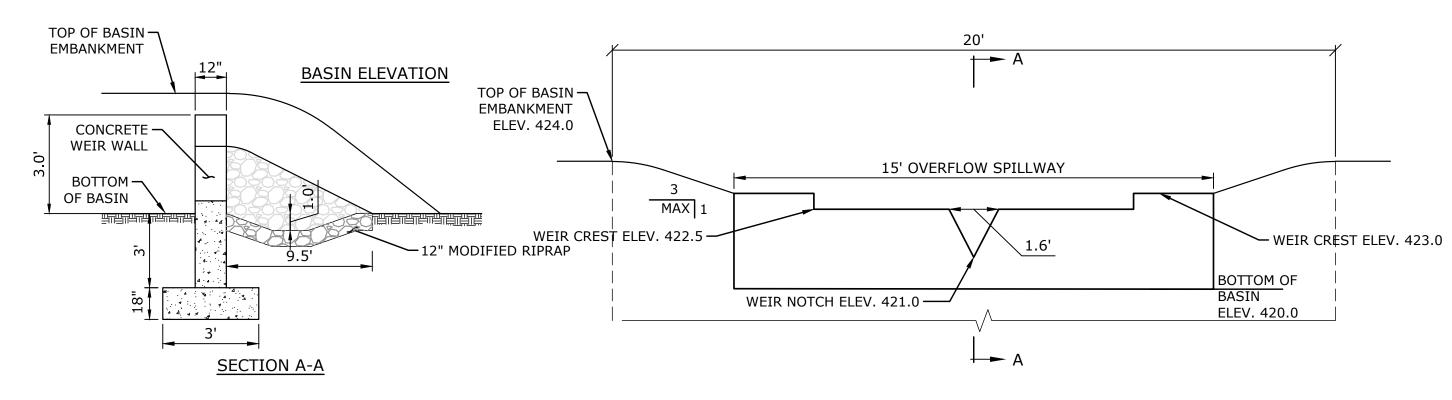
18"

# **PROTECTIVE STEEL BOLLARD** NOT TO SCALE

# OUTLET WEIR WALL - STORMWATER INFILTRATION BASIN 2 NOT TO SCALE

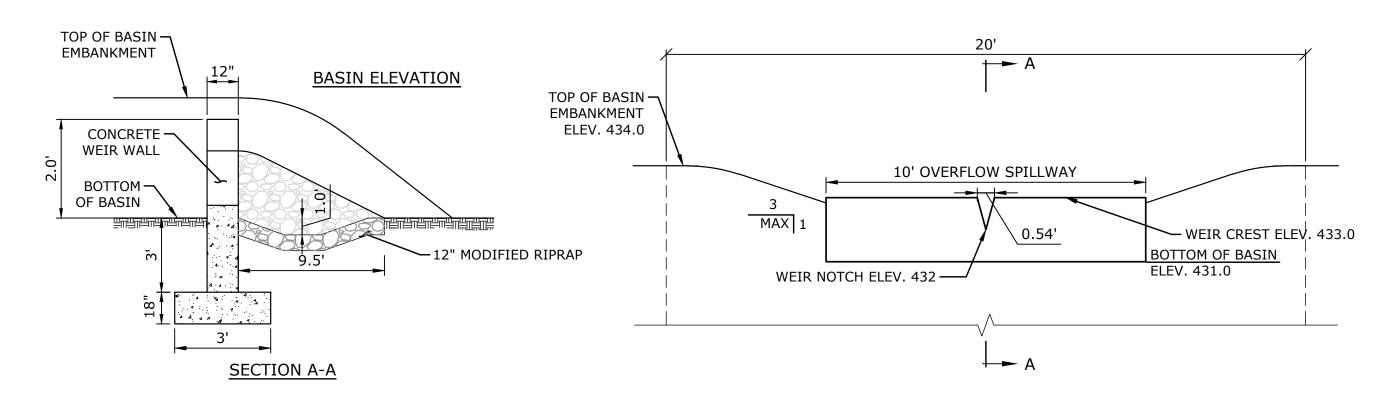


# OUTLET WEIR WALL - STORMWATER INFILTRATION BASIN 2A NOT TO SCALE



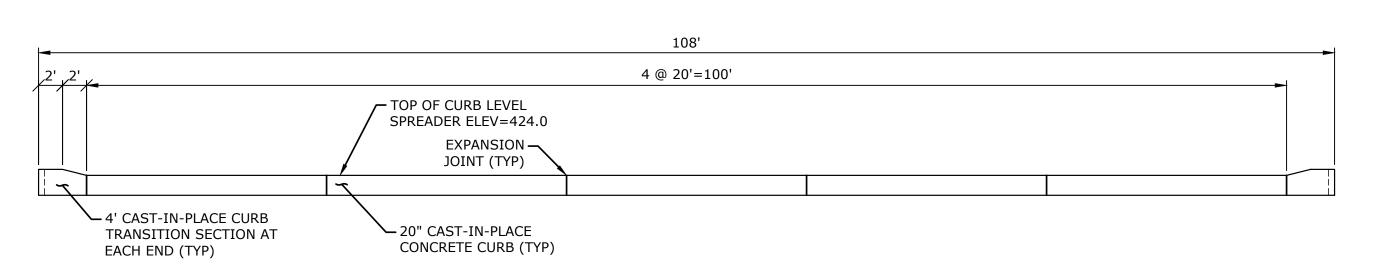
OUTLET WEIR WALL - STORWATER INFILTRATION BASIN 4

NOT TO SCALE



# **OUTLET WEIR WALL - STORMWATER INFILTRATION BASIN 5**

NOT TO SCALE



# NOTES:

- 1. USE ½" PREFORMED EXPANSION JOINT FILLER SPACED NO MORE THAN 25' O.C. OR AS SHOWN.
- 2. JOINTS BETWEEN CURB SECTIONS NOT TO EXCEED  $\frac{1}{2}$ ".
- 3. CONCRETE CURB SHALL MEET M.08.02-4 OF CTDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- 4. 2-#4 REBAR CONTINUOUS ALONG LENGTH OF CURB.
- 5. UPON COMPLETION OF LEVEL SPREADER, TOP OF CURB ELEVATION SHALL BE VERIFIED THAT IT IS ABSOLUTELY LEVEL FOR THE ENTIRE LENGTH OF THE CURB AND DEVIATES NO MORE THAN 
  ¼". FINAL AS-BUILT ELEVATIONS SHALL BE PROVIDED WITH THE RECORD DRAWINGS.

# FRONT ELEVATION - CURB LEVEL SPREADER

LE: N.T.S.

67 HUNT STREET, SUITE 203-C
AGAWAM, MA
413.241.6920

DESCRIPTION DATE BY

NOT FOR CONSTRUCTION

STER SOLAR FACILITY KIES CLEAN ENERGY, LLC KE STREET

MRG JLS MRG
DESIGNED DRAWN CHECKED

AS NOTED
SCALE

JULY 21, 2025
DATE

16763.00033
PROJECT NO.

15 OF 14

SD-3