

UNIVERSITY OF CONNECTICUT
SCHOOL OF ENGINEERING
16763.00033
JULY 21, 2025

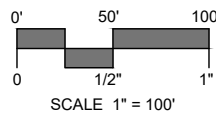
MANCHESTER SOLAR FACILITY GREENSKIES CLEAN ENERGY, LLC

81 & 93 LAKE STREET
MANCHESTER, CONNECTICUT
PERMIT DRAWINGS

SLR #16763.00033
JULY 21, 2025



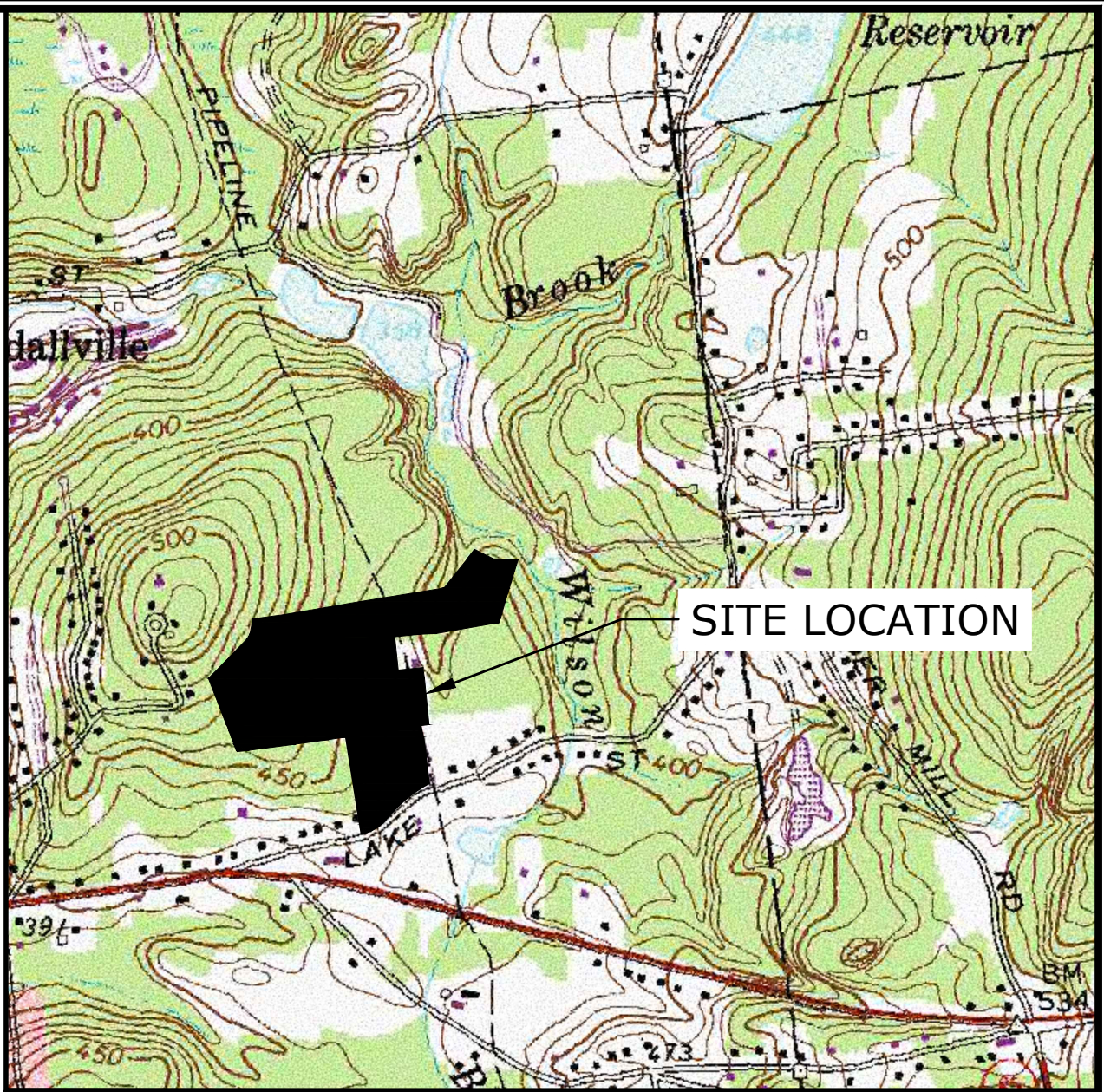
PROJECT SITE VICINITY MAP:



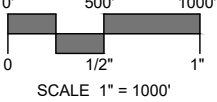
PREPARED BY:



67 HUNT STREET, SUITE 203-C
AGAWAM, MA
413.241.6920
SLRCONSULTING.COM



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
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04-06	BL-1 - BL-3	BORING LOGS
07-08	EX-1 - EX-2	EXISTING CONDITIONS PLAN
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11-12	LA-1 - LA-2	LAYOUT & GRADING PLAN
13-14	SD-1 - SD-2	SITE DETAILS
--	--	(BO) ELECTRICAL ONE LINE DIAGRAM



Know what's below.
Call before you dig.
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NOT FOR CONSTRUCTION

DATE: 07/11/2024
DRAWN BY: J. L. LEE
CHECKED BY: J. L. LEE
PROJECT NO.: 16763.00033
SHEET NO.: 02 OF 14

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.
- 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 #70103)
 - "SOLAR GROUND MOUNT SYSTEM AT 81 LAKE STREET MANCHESTER, CT 06040" DATE: JUNE 25, 2025. SCALE: 1"=40' BY PURE POWER ENGINEERING.
 - "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.
- 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.
- THE SITE IS CURRENTLY LOCATED WITHIN ZONING DISTRICT "RR" RURAL RESIDENTIAL ZONE.
- 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.
- "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	
PROPOSED MINOR CONTOUR	
PROPOSED TREE LINE	
PROPOSED ELECTRICAL SERVICE (UNDERGROUND)	
PROPOSED ELECTRICAL SERVICE (OVERHEAD)	
PROPOSED CHANLINK FENCE / GATE	
PHOTOVOLTAIC ARRAY	
PROPOSED LIMIT OF WORK	
PROPOSED GRAVEL SURFACE	

SEDIMENT & EROSION CONTROL NOTES

- CONTRACTOR TO STAKE OUT LIMIT OF DISTURBANCE. NO DISTURBANCE IS TO TAKE PLACE BEYOND THE LIMITS OF WORK SHOWN.
- 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.
- 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.
- 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.
- THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER, AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
- A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.

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:

- THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
- THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
- THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO TWO VERTICAL (1:2).
- PROVISIONS SHOULD BE INCLUDED TO CONVEY SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
- NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH INTO ADJACENT WETLANDS, WATERCOURSES, OR WATER BODIES.
- PRIOR TO ANY RE-GRADING, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.
- GRADING SHALL BE COMPLETED TO 95% COMPACTION PER THE SPECIFICATIONS.
- NO UNAUTHORIZED EXCAVATION IS PERMITTED ON THE LANDFILL CAP.
- 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	
CONCRETE BOUND FOUND	
CALCULATED POINT	
UTILITY POLE	
GUY WIRE ANCHOR	
GUY POLE	
POST	
ELECTRIC OR TELECOM. BOX	
ELECTRIC MANHOLE	
LOCUS PROPERTY LINE	
ABUTTERS LINE (±)	
EASEMENT LINE	
CONTOUR LINE	
OVERHEAD WIRES	
TREELINE	
ZONING LINE	
BURIED GAS LINE	
BURIED ELECTRIC LINE	
CHAIN LINK FENCE	
WIRE FENCE	
STONE WALL	

SEDIMENT & EROSION LEGEND

COMPOST FILTER TUBE	
SEDIMENT FILTER FENCE	
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:

- 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.
- INSTALL E&S CONTROLS FOR SITE CLEARING ACTIVITIES AS SHOWN ON THE DRAWINGS.
- CONSTRUCT THE STORMWATER MANAGEMENT BASINS, OUTLET WEIR WALLS, AND APPURTENANCES.
- INSTALL PV SOLAR PANEL ARRAY RACKING, PANELS, ELECTRICAL COMPONENTS, CONDUIT, AND PERIMETER FENCING.
- 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.
- 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.
- UPON ATTAINING FINAL UPGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
- REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION
- 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.
- TOPSOIL SHOULD HAVE A LOAMY TEXTURE. SEE SPECIFICATIONS FOR GRADATION REQUIREMENTS.
- 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.
- AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.
- 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.
- THE pH SHOULD BE MORE THAN 6.0. IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL.

APPLICATION:

- 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 LANDSCAPING PLANS.

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

SITE PREPARATION:

- INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
- REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
- PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
- APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
- 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. (LOLUJUM PERENNE)

PERMANENT VEGETATIVE COVER SEED MIX:

- 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).

- 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 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 INFORMATION - 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 INFORMATION - 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

0' 15' 30'

67 HUNT STREET, SUITE 205-C
MANCHESTER, CT 06105
413.241.6930
SLRCONSULTING.COM

DESCRIPTION	DATE	BY					

LEGEND & NOTES

MANCHESTER SOLAR FACILITY
GREENSKIES CLEAN ENERGY, LLC

81 & 93 LAKE STREET
MANCHESTER, CONNECTICUT

NOT FOR CONSTRUCTION

HMM DESIGNED	HMM DRAWN	MRG CHECKED
N.T.S.		
JULY 21, 2025		
16763.00033		
02 OF 14		
LD		

SCALE

DATE

PROJECT NO.

SHEET NO.

LD

SHEET NAME

BORING LOG											
 SLR International Corporation 99 Healy Drive, Cheshire, CT 06410 203.271.0771 slr@slrcorporation.com		PROJECT: PROPOSED PV SOLAR FACILITY				BORING NO.: SLR-9		SHEET: 1 OF 1			
		LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT				CONTRACTOR: SITE, LLC					
		PROJ. NO.: 145.16763.00033				FOREMAN: J. DEANGELIS					
		CLIENT: GREENSKOES CLEAN ENERGY, LLC				INSPECTOR: K. REED					
		DATE: AUGUST 27, 2024				GROUND SURFACE ELEVATION: ±434.5'					
EQUIPMENT:		AUGER	CASING	SAMPLER	COREBTL	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:		
TYPE	HSA	-	SS	-	DATE	TIME	WATER DEPTH			TRACK W/ AUTOHAMMER	
SIZE ID (IN.)	2 1/4	-	1 3/8	-	8/27/2024	8:15 AM	NOT ENCOUNTERED			RIG MODEL:	
HMR. WT (LB.)	-	-	140	-						CME-55 LCX	
HMR. FALL (IN.)	-	-	30	-							
SOIL AND ROCK CLASSIFICATION-DESCRIPTION											
BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)											
DEPTH (FT.)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"					DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remarks
1	S-1	11	1	S-1: Top 6" Medium, dark brown, Clayey SILT and fine to medium SAND, trace fine to coarse Gravel.				1' 1"	TOPSOIL	433.4'	
2			2								
			4	Bottom 5": Reddish brown, fine to medium SAND, some SILT, little fine to coarse Gravel.							
			11								
3	S-2	18	4	S-2: Dense, reddish brown, fine to coarse SAND, little SILT, little fine to coarse Gravel.							
			8								
			30								
4			18					4.5'		430.0'	
5											
6	S-3	11	20	S-3: Very dense, light brown-gray, fine to coarse SAND, some fine to coarse Gravel, little SILT.							
			50/5"								
7											
8											
9											
10				Auger Refusal ±9.7'				9.7'		424.8'	
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
GLACIAL TILL											

SLR

SLR International Corporation
99 Realty Drive, Cheshire, CT 06410
203.627.3723 | www.slrinternational.com

PROJECT: PROPOSED PV SOLAR FACILITY

LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO: 145.16763.00033

CLIENT: GREENSKIES CLEAN ENERGY, LLC

DATE: AUGUST 27, 2024

BORING NO.: SLR-10

CONTRACTOR: SITE, LLC

FOREMAN: J. DEANGELIS

INSPECTOR: K. REED

GROUND SURFACE ELEVATION: +438.0'

SHEET: 1 OF 1

EQUIPMENT:		AUGER	CASING	SAMPLER	COREBRL	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:	
TYP		HSA	-	SS	-	DATE	TIME	WATER DEPTH	TRACK W/ AUTOHAMMER	
SIZE ID (IN.)		2 1/4		1 3/8		8/27/2024	8:45 AM	±9.0'	RIG MODEL:	
HMR_WT (LB.)		-		140					CME-55 LCX	
HMR_FALL (IN.)		-		30						

SOIL AND ROCK CLASSIFICATION-DESCRIPTION

BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)

Depth (Ft)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"		DEPTH (Ft.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remarks	
1	S-1	15	2	S-1: Loose, Top 7": Dark brown, fine to medium SAND and SILT, trace Organic Matter (e.g., roots), trace fine Gravel.	0.9'	TOPSOIL	437.1'		
2			3	Bottom 8": Reddish brown, fine to medium SAND, some Silt, little fine to coarse Gravel, trace Organic Matter (e.g., roots).	2.3'		SAND & GRAVEL		435.7'
3	S-2	24	5	S-2: Medium dense, Top 4": Reddish brown, fine to medium SAND, little Silt, little fine to coarse Gravel.					
4			7	Bottom 20": Reddish brown-gray, fine to coarse SAND, little Silt, little fine to coarse Gravel.					
5			11			GLACIAL TILL	G.W.T. ▼ 429.0'	428.2'	
6	S-3	19	15	S-3: Very dense, reddish brown, fine to coarse SAND and fine to coarse GRAVEL, little Silt.					
7			31						
8			23						
9			50/4"						
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
				Auger Refusal ±9.8'					

Remarks:

NON-PLASTIC (SPI-N)	PLASTIC (SPI-P)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace ~<10%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little ~ 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some ~ 20% - 35%
30-50 = DENSE	8-15 = STIFF	UT = UNDISTURBED THINWALL	and ~ 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30+ = HARD		

SLR

SLR International Corporation
99 Healy Drive, Cheshire, CT 06410
203.277.1071 | www.slrcorporation.com

PROJECT: PROPOSED PV SOLAR FACILITY

LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO.: 145.16763.00033

CLIENT: GREENSKIES CLEAN ENERGY, LLC

DATE: AUGUST 27, 2024

BORING NO.: SLR-11

SHEET: 1 OF 1

CONTRACTOR: SITE, LLC

FOREMAN: J. DEANGELIS

INSPECTOR: K. REED

GROUND SURFACE ELEVATION: 545' ±

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBTL	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
TYPE	HSA	-	SS	-	DATE	TIME	WATER DEPTH	TRACK W/ AUTOHAMMER
SIZE ID (IN.)	2 1/4	-	1 3/8	-	8/27/2024	9:15 AM	NOT ENCOUNTERED	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				CME-55 LCX
HMR. FALL (IN.)	-	-	30	-				

SOIL AND ROCK CLASSIFICATION-DESCRIPTION

BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)

DEPTH (FT.)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"					DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FEET)	Remarks
1	S-1	14	2	S-1: Loose, Top 5" Dark brown, fine to medium SAND, some Clayey Silt, trace fine Gravel, trace Organic Matter (e.g., roots). Bottom 9": Reddish brown, fine to medium SAND and SILT, trace fine Gravel.				0.7'	TOPSOIL	450.8'	
2			3								
			2	S-2: Medium dense, reddish brown-gray, fine to coarse SAND, little SILT, little fine to coarse Gravel, trace Organic Matter (e.g., roots).				2.0'	SUBSOIL	449.5'	
3	S-2	20	4								
			7					SAND & GRAVEL			
4			8								
			11					447.0'			
5											
	S-3	3	50/3"	S-3: Very dense, reddish brown-gray, fine to coarse SAND and fine to coarse GRAVEL, little SILT.				GLACIAL TILL			
6											
				Auger Refusal at 6.3'				6.3'		445.2'	
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											

REMARKS:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE	0-2 = VERY SOFT	C = ROCK CORE	trace ~ 45%
4-10 = LOOSE	2-4 = SOFT	S = SPLIT SPOON	little ~ 10% - 20%
10-30 = MEDIUM DENSE	4-8 = MEDIUM	UP = UNDISTURBED PISTON	some ~ 20% - 35%
30-50 = DENSE	8-15 = STIFF	UT = UNDISTURBED THINWALL	and ~ 35% - 50%
50+ = VERY DENSE	15-30 = VERY STIFF		
	30+ = HARD		

SLR

SLR International Corporation
98 Realty Drive, Cheslio, CT 06410
203.427.1071 / email@slrinternational.com

PROJECT: PROPOSED PV SOLAR FACILITY

LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO.: 145.16763.00033

CLIENT: GREENSKIES CLEAN ENERGY, LLC

DATE: AUGUST 27, 2024

BORING NO.: SLR-12

CONTRACTOR: SITE, LLC

FOREMAN: J. DEANGELIS

INSPECTOR: K. REED

GROUND SURFACE ELEVATION: ±444.5'

SHEET: 1 OF 1

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:		
TYPE	HSA	-	SS	-	DATE	TIME	WATER DEPTH		TRACK W/ AUTOHAMMER	
SIDE ID (IN.)	2 1/4	-	1 3/8	-	8/27/2024	10:00 AM	NOT ENCOUNTERED		RIG MODEL:	
HMR. WT (LB.)	-	-	140	-					CME-55 LCX	
HMR. FALL (IN.)	-	-	30	-						

SOIL AND ROCK CLASSIFICATION-DESCRIPTION

Depth (Ft)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)			DEPTH (Ft.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
1	S-1	18	3 3 2 4	S-1: Loose, Top 6" Dark brown, fine to medium SAND, some Silt, little fine to coarse Gravel, trace Organic Matter (e.g., roots) Bottom 12": Reddish brown, fine to medium SAND, some Silt, little fine to coarse Gravel.			0.8'	TOPSOIL	443.7'	
2			4 4 10 20 21	S-2: Dense, Top 4": Reddish brown, fine to coarse SAND, little fine to coarse Gravel, trace Silt. Bottom 16": Light brown-gray, fine to coarse SAND and fine to coarse GRAVEL, little Silt.			2.4'	SAND & GRAVEL	442.1'	
3	S-2	20								
4										
5										
6	S-3	16	21 27 50.5"	S-3: Very dense, light brown-gray, fine to coarse SAND and fine to coarse GRAVEL, little Silt.				GLACIAL TILL		
7										
8				Auger Refusal at 8.7'			8.7'		435.8'	
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										

Remarks:

NON PLASTIC (DPT-N)	PLASTIC (DPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE 4-10 = LOOSE 10-30 = MEDIUM DENSE 30-50 = DENSE 50+ = VERY DENSE	0-2 = VERY SOFT 2-4 = SOFT 4-8 = MEDIUM 8-15 = STIFF 15-30 = VERY STIFF 30+ = HARD	C = ROCK CORE S = SPLIT SPOON UP = UNDISTURBED PISTON UT = UNDISTURBED THINWALL	trace = <10% little = 10% - 20% some = 20% - 35% and + 35% - 50%

SLR

SLR International Corporation
99 Realty Drive, Cheshire, CT 06034
203.427.1703, www.slrinternational.com

PROJECT: PROPOSED PV SOLAR FACILITY

LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO: 145.16763.00033

CLIENT: GREENSKIES CLEAN ENERGY, LLC

DATE: AUGUST 27, 2024

BORING NO.: SLR-13

CONTRACTOR: SITE, LLC

FOREMAN: J. DEANGELIS

INSPECTOR: K REED

GROUND SURFACE ELEVATION: +430.0'

EQUIPMENT:

AUGER

CASING

SAMPLER

COREBRL

GROUNDWATER DEPTH (FT.)

TYPE OF RIG:

TYPE

HSA

-

SS

-

DATE

TIME

WATER DEPTH

TRACK W/ AUTOHAMMER

SIZE ID (IN.)

2 1/4

-

1 3/8

-

8/27/2024

10:45 AM

NOT ENCOUNTERED

RIG MODEL:

HMR. WT (LB.)

-

-

140

-

CME-55 LCX

HMR. FALL (IN.)

-

-

30

-

SOIL AND ROCK CLASSIFICATION-DESCRIPTION

BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)

DEPTH (FT.)

STRATUM DESCRIPTION

ELEV. (FT.)

Remarks

1

S-1

15

2

S-1: Top 6" Soft, dark brown, Clayey SILT and fine to medium SAND, trace fine Gravel, trace Organic Matter (e.g., roots).

0.8'

TOPSOIL

429.2'

2

2

Bottom 9": Very loose, reddish brown, fine to medium SAND and SILT, little fine Gravel.

SUBSOIL

3

S-2

10

3

S-2: Medium dense, Top 2": Reddish brown, fine to medium SAND, some Silt, some fine to coarse Gravel.

2.4'

427.6'

4

4

Bottom 9": Reddish brown-gray, fine to coarse SAND, little fine to coarse Gravel, little Silt.

GLACIAL TILL

5

14

4.9'

425.1'

6

Auger Refusal +4.9'

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

Remarks: 1. Auger refusal +4.9 feet below existing grade.

NON-PLASTIC (SPT N)

0-4 = VERY LOOSE

4-10 = LOOSE

10-30 = MEDIUM DENSE

30-50 = DENSE

50+ = VERY DENSE

PLASTIC (SPT N)

0-2 = VERY SOFT

2-4 = SOFT

4-8 = MEDIUM

8-15 = STIFF

15-30 = VERY STIFF

30+ = HARD

SAMPLE TYPE

C = ROCK CORE

S = SPLIT SPOON

UP = UNDISTURBED PISTON

UT = UNDISTURBED THINWALL

PROPORTIONS


Trace = <10%

Some = 10% - 20%

Some = 20% - 35%

and = 35% - 50%

BORING LOGS - 81 LAKE STREET		NOT FOR CONSTRUCTION	
MANCHESTER SOLAR FACILITY			
GREENSKIES CLEAN ENERGY, LLC			
81 & 93 LAKE STREET			
MANCHESTER, CONNECTICUT			
MRG <small>DESIGNED</small>	JLS <small>DRAWN</small>	MRG <small>CHECKED</small>	
N.T.S.			
JULY 21, 2025			
16763.00033			
04 OF 14			
BL-1			



SLR International Corporation
99 Bailey Drive, Cheshire, CT 06010
203.271.3737 | www.slrinternational.com

PROJECT:

PROPOSED PV SOLAR FACILITY

LOCATION:

93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO.:

145.16763.00033

CLIENT:

GREENSKIES CLEAN ENERGY, LLC

DATE:

AUGUST 26, 2024

BORING NO.:

SLR-1

SHEET:

1 OF 1

CONTRACTOR:

SITE, LLC

FOREMAN:

J. DEANGELIS

INSPECTOR:

K. REED

GROUND SURFACE ELEVATION:

1435.0' ±

EQUIPMENT:	AUGER:	CASING:	SAMPLER:	COREBRL:	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
TYPE	HSA	-	SS	-	DATE	TIME	WATER DEPTH	TRACK W/ AUTOHAMMER
SIZE ID (IN.)	2 1/4	-	1 3/8	-	8/26/2024	7:15 AM	±9.3	RIG MODEL:
HMR. WT (LB.)	-	-	140	-				CME-55 LCX
HMR. FALL (IN.)	-	-	30	-				

DEPTH (FT)

SAMPLE NUMBER

RECOVERY (IN)

BLOWS PER 6"

SOIL AND ROCK CLASSIFICATION-DESCRIPTION

BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)

DEPTH (FT.)

STRATUM DESCRIPTION

ELEV. (FT.)

Remarks

1	S-1	17	1	S-1: Loose, Top 7": Brown, fine to medium SAND, some Silt, trace Organic Matter (e.g., roots), trace fine Gravel.	0.8'	TOPSOIL	434.2'	
2			2	Bottom 10": Reddish brown, fine to coarse SAND, some Silt, little fine to coarse Gravel.				
3	S-2	23	3	S-2: Medium dense, reddish brown, fine to coarse SAND, some fine to coarse Gravel, little Silt.				
4			6					
5			7					
6	S-3	20	9	S-3: Dense, reddish brown-gray, fine to coarse SAND, some fine to coarse Gravel, trace Silt.				
7			11					
8			12					
9			16					
10			22					
11	S-4	19	18					
12			13					
13			10	S-4: Medium dense, Top 15": Reddish brown, fine to coarse SAND, some Silt, little fine to coarse Gravel.				
14			9	Bottom 4": Gray, fine to coarse SAND, little Silt, trace fine to coarse Gravel.				
15			12					
16			30.0"					
17								
18								
19								
20								
21								
22								

Auger Refusal ±13.3'

GLACIAL TILL

9.3'

Q.W.1

425.7'

WEATHERED BEDROCK

13.3'

421.7'

Remarks:

NON-PLASTIC (SPI-N)

4-4 = VERY LOOSE
4-10 = LOOSE
10-30 = MEDIUM DENSE
30-50 = DENSE
50+ = VERY DENSE

PLASTIC (SPI-N)

4-2 = VERY SOFT
2-4 = SOFT
4-8 = MEDIUM
8-15 = STIFF
15-30 = VERY STIFF
30+ = HARD

SAMPLE TYPE

C = ROCK CORE
S = SPLIT SPOON
UP = UNDISTURBED PISTON
UT = UNDISTURBED THINWALL

PROPORTIONS

trace < 10%
little = 10% - 20%
some = 20% - 35%
and = 35% - 50%

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>SLR International Corporation 59 Realty Drive, Cheshire, CT 06410 203.277.1722 www.slrinternational.com</p> </div> <div style="text-align: center;"> <h1 style="margin: 0;">BORING LOG</h1> </div> <div style="text-align: right;"> <p>PROJECT: PROPOSED PV SOLAR FACILITY</p> <p>LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT</p> <p>PROJ. NO.: 145.16763.00033</p> <p>CLIENT: GREENSKIES CLEAN ENERGY, LLC</p> <p>DATE: AUGUST 26, 2024</p> </div> <div style="text-align: right;"> <p>BORING NO.: SLR-2</p> <p>CONTRACTOR: SITE, LLC</p> <p>FOREMAN: J. DEANGELIS</p> <p>INSPECTOR: K. REED</p> <p>GROUND SURFACE ELEVATION: 143'8"</p> </div> <div style="text-align: right;"> <p>SHEET: 1 OF 1</p> </div> </div>													
EQUIPMENT:		AUGER		CASING		SAMPLER		COREBRL		GROUNDWATER DEPTH (FT.)		TYPE OF RIG:	
TYPE		HSA		-		SS		-		DATE		TIME	
SIZE ID (IN.)		2 1/4		-		1 3/8		-		8/26/2024		8:15 AM	
HMR. WT (LB.)		-		-		140		-		-		NOT ENCOUNTERED	
HMR. FALL (IN.)		-		-		30		-		-		-	
-		-		-		-		-		-		-	
-		-		-		-		-		-		-	
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-		-		-		-							

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <p style="margin: 0;">SLR International Corporation 99 Healy Drive, Cheshire, CT 06410 203.271.0771, www.slrinternational.com</p> </div> <div style="text-align: center; flex-grow: 1;"> <h1 style="margin: 0;">BORING LOG</h1> </div> <div style="text-align: right;"> <p style="margin: 0;">BORING NO.: SLR-3</p> <p style="margin: 0;">SHEET: 1 OF 1</p> </div> </div>																			
PROJECT: PROPOSED PV SOLAR FACILITY LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT PROJ. NO.: 145.16763.00033 CLIENT: GREENSKIES CLEAN ENERGY, LLC DATE: AUGUST 26, 2024						CONTRACTOR: SITE, LLC FOREMAN: J. DEANGELIS INSPECTOR: K. REED GROUND SURFACE ELEVATION: 437' 5"		TYPE OF RIG: TRACK W/ AUTOHAMMER RIG MODEL: CME-55 LCX											
EQUIPMENT:		AUGER		CASING		SAMPLER		COREBRL		GROUNDWATER DEPTH (FT.)									
TYPE		HSA		-		SS		-		DATE									
SIZE ID (IN.)		2 1/4		-		1 3/8		-		8/26/2024 9:00 AM									
HMR. WT (LB.)		-		-		140		-		TIME									
HMR. FALL (IN.)		-		-		30		-		WATER DEPTH									
										±3.4									
DEPTH (Ft)		SAMPLE NUMBER		RECOVERY (IN)		BLOWS PER 6"		SOIL AND ROCK CLASSIFICATION-DESCRIPTION				DEPTH (Ft.)		STRATUM DESCRIPTION		ELEV. (FT.)		Remarks	
						WOH		BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK) S-1: Soft, Top 9". Dark brown, Clayey SILT, some fine to medium Sand, little Organic Matter (e.g., roots), trace fine Gravel. Bottom 9": Reddish brown, Clayey SILT, some fine to medium Sand, trace fine Gravel, trace Organic Matter (e.g., roots). S-2: Medium dense, reddish brown, fine to coarse SAND, some fine to coarse Gravel, little Silt.				1.0'		TOPSOIL		436.5'			
1	S-1	18			2							2.0'		SUBSOIL		435.5'			
2					2							SAND & GRAVEL							
3	S-2	18			4							G.W.T. ▼		434.1'					
4					12									GLACIAL TILL					
5					15														
6	S-3	20			50/6"														
7					9														
8					12														
9					18														
10					22														
11	S-4	18			19														
12					28														
13					23														
14					23														
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
Auger Refusal ±12.4'												12.4'		425.1'					

Remarks:

NON-PLASTIC (UPT-N)	PLASTIC (UPT-N)	SAMPLE TYPE
---------------------	-----------------	-------------

BORING LOG											
 SLR International Corporation 99 Bailey Drive, Cheshire, CT 06034 203.257.1733 www.slrinternational.com		PROJECT: PROPOSED PV SOLAR FACILITY				BORING NO.: SLR-4		SHEET: 1 OF 1			
		LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT				CONTRACTOR: SITE, LLC					
		PROJ. NO.: 145.16763.00033				FOREMAN: J. DEANGELIS					
		CLIENT: GREENSKIES CLEAN ENERGY, LLC				INSPECTOR: K REED					
		DATE: AUGUST 26, 2024				GROUND SURFACE ELEVATION: 1460.9'					
EQUIPMENT:	AUGER	CASING	SAMPLER	COREBRL	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:			
TYPE	HSA	-	SS	-	DATE	TIME	WATER DEPTH		TRACK W/ AUTOHAMMER		
SIZE ID (IN.)	2 1/4	-	1 3/8	-	8/26/2024	9:45 AM	NOT ENCOUNTERED		RIG MODEL:		
HMR. WT (LB.)	-	-	140	-					CME-55 LCX		
HMR. FALL (IN.)	-	-	30	-							
SOIL AND ROCK CLASSIFICATION-DESCRIPTION											
BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)											
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"					DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remarks
1	S-1	15	2	S-1: Loose, Top 7": Dark brown, fine to medium SAND, some Silt, trace Organic Matter (e.g., roots), trace fine Gravel. Bottom 6": Reddish brown, fine to coarse SAND, some Silt, little fine to coarse Gravel.				0.9'	TOPSOIL	459.6'	
			3								
			4								
			2								
2	S-2	20	6	S-2: Dense, Top 3": Reddish brown, fine to coarse SAND, some Silt, little fine to coarse Gravel. Bottom 17": Light brown, fine to coarse SAND, some fine to coarse Gravel, trace Silt.				2.3'	SAND & GRAVEL	458.7'	
			20								
			26								
			24								
5	S-3	18	34	S-3: Very dense, reddish brown-gray, fine to coarse SAND, some Silt, little fine to coarse Gravel.							
			40								
			41								
			50/4"								
8											
10											
11	S-4	21	33	S-4: Dense, reddish brown-gray, fine to coarse SAND, some Silt, little fine to coarse Gravel.							
			25								
			22								
			48								
12											
13											
14											
15				Auger Refusal ±14.3'				14.3'		446.2'	
16											
17											
18											
19											
20											
21											
22											

Remarks:	NON-PLASTIC (SPT N)	PLASTIC (SPT N)	SAMPLE TYPE	PROPORTIONS
	0-4 = VERY LOOSE 4-10 = LOOSE 10-30 = MEDIUM DENSE 30-50 = DENSE 50+ = VERY DENSE	0-2 = VERY SOFT 2-4 = SOFT 4-8 = MEDIUM 8-10 = STIFF 10-30 = VERY STIFF 30+ = HARD	C = ROCK CORE S = SPLIT SPOON UP = UNDISTURBED PISTON UT = UNDISTURBED THINWALL	trace = <10% little = 10% - 20% some = 20% - 35% and = 35% - 50%

<div>BORING LOG</div>											
<div><div><div><div><div><div></div></div></div><div><div><div>SLR</div></div></div><div><div>SLR International Corporation</div><div>89 Beatty Drive, Cheshire, CT 06040</div><div>803.675.1733 www.slrinternational.com</div></div></div></div></div>		PROJECT: PROPOSED PV SOLAR FACILITY		BORING NO.: SLR-5		SHEET: 1 OF 1					
		LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT		CONTRACTOR: SITE, LLC							
		PROJ. NO.: 145.16763.00033		FOREMAN: J. DEANGELIS							
		CLIENT: GREENSKIES CLEAN ENERGY, LLC		INSPECTOR: K.REED							
		DATE: AUGUST 26, 2024		GROUND SURFACE ELEVATION: 1460' ±							
EQUIPMENT:	AUGER	CASING	SAMPLER	COREBL.	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:			
SIZE ID (IN.)	HSA	-	SS	-	DATE	TIME	WATER DEPTH	TRACK W/ AUTOHAMMER			
HMR. WT (LB.)	-	-	140	-	NOT ENCOUNTERED			RIG MODEL:			
HMR. FALL (IN.)	-	-	30	-				CME-55 L/CX			
SOIL AND ROCK CLASSIFICATION-DESCRIPTION											
DEPTH (FT.)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)				DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remarks
1	S-1	6	2 50/3"	S-1: Very dense, dark brown, fine to medium SAND, some Silt, little fine to coarse Gravel, trace Organic Matter (e.g., roots).				0.7'	TOPSOIL	459.8'	
2				S-2: Very dense, Top 5": Reddish brown, fine to coarse SAND and fine to coarse GRAVEL, trace Silt.				2.6'	SAND & GRAVEL	457.9'	
3	S-2	17	26 36 40	Bottom 12": Reddish brown-gray, fine to coarse SAND, some fine to coarse GRAVEL, little Silt.					GLACIAL TILL		
4				Auger Refusal at 4.7'				4.7'		455.8'	1
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
Remarks: 1. Initial auger refusal at 4.5 feet below existing grade. Offset 5 feet east; auger refusal at 4.7 feet below existing grade.				NON PLASTIC (SPT N) 0-4 = VERY LOOSE 4-10 = LOOSE 10-30 = MEDIUM DENSE 30-50 = DENSE 50+ = VERY DENSE		PLASTIC (SPT N) 0-2 = VERY SOFT 2-4 = SOFT 4-8 = MEDIUM 8-15 = STIFF 15-30 = VERY STIFF 30+ = HARD		SAMPLE TYPE C = ROCK CORE S = SPLIT SPOON UP = UNDISTURBED PISTON UT = UNDISTURBED THINWALL		PROPORTIONS trace = <10% little = 10% - 20% some = 20% - 35% and = >35% - 50%	

SLR

SLR International Corporation
99 Healy Drive, Cheshire, CT 06410
802.421.7373 | www.slrinternational.com

PROJECT: PROPOSED PV SOLAR FACILITY

LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO: 145.16763.00033

CLIENT: GREENSKIES CLEAN ENERGY, LLC

DATE: AUGUST 26, 2024

BORING NO.: SLR-6

CONTRACTOR: SITE, LLC

FOREMAN: J. DEANGELIS

INSPECTOR: K REED

GROUND SURFACE ELEVATION: +464.0'

SHEET: 1 OF 1

EQUIPMENT:		AUGER	CASING	SAMPLER	COREBRL	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:		
TYPE		HSA	-	SS	-	DATE	TIME	WATER DEPTH	TRACK W/ AUTOHAMMER		
SIZE ID (IN.)	2 1/4	-	-	1 3/8	-	8/26/2024	11:15 AM	NOT ENCOUNTERED	RIG MODEL:		
HMR. WT (LB.)	-	-	-	140	-				CME-55 LCX		
HMR. FALL (IN.)	-	-	-	30	-						
SOIL AND ROCK CLASSIFICATION-DESCRIPTION											
BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)											
Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	S-1: Very loose, Top 6" Dark brown, fine to medium SAND and SILT, trace Organic Matter (e.g., roots), trace fine Gravel. Bottom 9" Reddish brown, fine to medium SAND and SILT, trace fine Gravel, trace Organic Matter (e.g., roots). S-2: Loose, reddish brown, fine to coarse SAND, little fine to coarse Gravel, little Silt.				DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
1	S-1	15	1 1 2 1 3					0.8'	TOPSOIL	463.2'	
2			1	S-2: Loose, reddish brown, fine to coarse SAND, little fine to coarse Gravel, little Silt.				2.0'	SUBSOIL	462.0'	
3	S-2	20	3 6 17					S-3: Very dense, reddish brown-gray, fine to coarse SAND and fine to coarse GRAVEL, little Silt.			
4			17 32 33 33	S-4: Dense, light brown-gray, fine to coarse SAND, some fine to coarse Gravel, little Silt.							
5								Auger Refusal ±13.0'			
6	S-3	21									
7											
8											
9											
10											
11	S-4	18	22 20 20 16								
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
Remarks:											
NON-PLASTIC (SPT N)				PLASTIC (SPT N)				SAMPLE TYPE		PROPORTIONS	
0-4 = VERY LOOSE				0-2 = VERY SOFT				C = ROCK CORE		Trace < 10%	
4-10 = LOOSE				2-4 = MEDIUM				S = SPLIT SPOON		10% = 10% - 20%	
10-30 = MEDIUM DENSE				8-15 = STIFF				UP = UNDISTURBED PISTON		some = 20% - 35%	
30-50 = DENSE				15-30 = VERY STIFF				UT = UNDISTURBED THINWALL		and = 35% - 50%	
50+ = VERY DENSE				30+ = HARD							

SLR

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99 Beatty Drive, Cheshire, CT 06410
(800)470-7273 | www.slrinternational.com

BORING LOG

BORING NO.: SLR-7

SHEET: 1 OF 1

PROJECT: PROPOSED PV SOLAR FACILITY

LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO.: 145.16763.00033

CLIENT: GREENSKIES CLEAN ENERGY, LLC

DATE: AUGUST 26, 2024

CONTRACTOR: SITE, LLC

FOREMAN: J. DEANGELIS

INSPECTOR: K REED

GROUND SURFACE ELEVATION: +457.5'

EQUIPMENT:

AUGER

CASING

SAMPLER

COREBRL

DATE

TIME

GROUNDWATER DEPTH (FT.)

TYPE

SIZE ID (IN.)

HMR. WT (LB.)

HMR. FALL (IN.)

HSA

2 1/4

-

-

SS

1 3/8

-

8/26/2024

12:30 PM

-

TYPE OF RIG: TRACK W/ AUTOHAMMER

RIG MODEL:

CME-55 LCX

DEPTH (FT)

SAMPLE NUMBER

RECOVERY (IN)

BLOWS PER 6"

SOIL AND ROCK CLASSIFICATION-DESCRIPTION

DEPTH (FT.)

STRATUM DESCRIPTION

ELEV. (FT.)

Remarks

1

S-1

14

1

S-1: Loose, Top 5": Dark brown, fine to medium SAND and SILT, trace Organic Matter (e.g., roots), trace fine Gravel.

0.8'

TOPSOIL

456.7'

2

3

Bottom 9": Reddish brown, fine to coarse SAND, some Silt, some fine to coarse Gravel.

SAND & GRAVEL

3

S-2

18

3

S-2: Medium dense, Top 4": Reddish brown, fine to coarse SAND, little fine to coarse Gravel, little SILT.

2.5'

455.0'

4

13

Bottom 14": Reddish brown-gray, fine to coarse SAND, little fine to coarse Gravel, little SILT.

5

14

6

S-3

31

S-3: Very dense, light brown-gray, fine to coarse SAND, little fine to coarse Gravel, trace SILT.

7

8

9

10

11

S-4

21

85

S-4: Medium dense, reddish brown-gray, fine to medium SAND, little SILT, trace fine to coarse Gravel.

12

10

13

8

14

14

15

16

17

18

19

20

21

22

Auger Refusal ±12.3'

12.3'

445.2'

Remarks:

NON-PLASTIC (SPT N)

PLASTIC (SPT N)

SAMPLE TYPE

PROPORTIONS

0.4 - VERY LOOSE

0.2 - VERY SOFT

C - ROCK CORE

Trace < 10%

4.0 - LOOSE

2.4 - SOFT

S - SPLIT SPOON

little < 10% - 20%

10.0 - MEDIUM DENSE

4.0 - MEDIUM

UP - UNDISTURBED PISTON

some > 20% - 35%

30.0 - DENSE

8.0 - STIFF

UT - UNDISTURBED THINWALL

and > 35% - 50%

50+ - VERY DENSE

15.0 - VERY STIFF

30+ - HARD

SLR

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99 Bailey Drive, Cheshire, CT 06010
800.621.7373 | www.slrinternational.com

PROJECT: PROPOSED PV SOLAR FACILITY

LOCATION: 93 LAKE STREET, MANCHESTER, CONNECTICUT

PROJ. NO.: 145.16763.00033

CLIENT: GREENSKIES CLEAN ENERGY, LLC

DATE: AUGUST 27, 2024

BORING NO.: SLR-8

CONTRACTOR: SITE, LLC

FOREMAN: J. DEANGELIS

INSPECTOR: K REED

GROUND SURFACE ELEVATION: ±426.0'

SHEET: 1 OF 1

EQUIPMENT:	AUGER	CASING	SAMPLER	COREBL	GROUNDWATER DEPTH (FT.)			TYPE OF RIG:
TYPE	HSA	-	SS	-	DATE	TIME	WATER DEPTH	TRACK W/ AUTOHAMMER
SIZE ID (IN.)	2 1/4	-	1 3/8	-	8/27/2024	7:15 AM	±13.3'	
HMR. WT (LB.)	-	-	140	-				RIG MODEL:
HMR. FALL (IN.)	-	-	30	-				CME-SS LCX

Depth (FT)	SAMPLE NUMBER	RECOVERY (IN)	BLOWS PER 6"	SOIL AND ROCK CLASSIFICATION-DESCRIPTION		DEPTH (FT.)	STRATUM DESCRIPTION	ELEV. (FT.)	Remark
				BURMISTER SYSTEM (SOIL) U.S. CORPS OF ENGINEERS SYSTEM (ROCK)					
1	S-1	14	2 4 15 4	S-1: Medium dense, Top 6". Dark brown, fine to medium SAND and SILT, little fine to coarse Gravel, trace Organic Matter (e.g., roots). Bottom 8": Reddish brown, fine to coarse SAND, some fine to coarse Gravel, little Silt.		0.8'	TOPSOIL	425.2'	
2	S-2	18	5 8 16	S-2: Medium dense, reddish brown, fine to coarse SAND, some fine to coarse Gravel, little Silt.			SAND & GRAVEL		
3									
4									
5									
6	S-3	20	14 20 19 22	S-3: Dense, reddish brown, fine to coarse SAND, some fine to coarse Gravel, little Silt.					
7									
8									
9									
10									
11	S-4	14	32 29 50/5"	S-4: Very dense, light brown-gray, fine to coarse SAND and fine to coarse GRAVEL, little Silt.					
12									
13									
14									
15	S-5	5	50/5"	S-5: Very dense, reddish brown-gray, fine to coarse SAND, little fine to coarse Gravel, little Silt. Bottom of Exploration ±15.4'			GLACIAL TILL		
16									
17									
18									
19									
20									
21									
22									

Remarks:

NON-PLASTIC (SPT-N)	PLASTIC (SPT-N)	SAMPLE TYPE	PROPORTIONS
0-4 = VERY LOOSE 4-10 = LOOSE 10-30 = MEDIUM DENSE 30-50 = DENSE 50+ = VERY DENSE	0-2 = VERY SOFT 2-4 = SOFT 4 - MEDIUM 8-10 = STIFF 15-30 = VERY STIFF 30+ = HARD	C = ROCK CORE S = SPLIT SPOON UP = UNDISTURBED PISTON UT = UNDISTURBED THINWALL	trace < 10% little = 10% - 20% some = 20% - 35% and = 35% - 50%



67 HUNT STREET, SUITE 205-C
413.241.6920
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

EXISTING CONDITIONS PLAN - 93 LAKE STREET

MANCHESTER SOLAR FACILITY
GREENSKIES CLEAN ENERGY, LLC
81 & 93 LAKE STREET
MANCHESTER, CONNECTICUT

NOT FOR CONSTRUCTION

MRG	JLS	MRG
DESIGNED	DRAWN	CHECKED

SCALE

1"=30'

DATE

JULY 21, 2025

PROJECT NO.

16763.00033

SHEET NO.

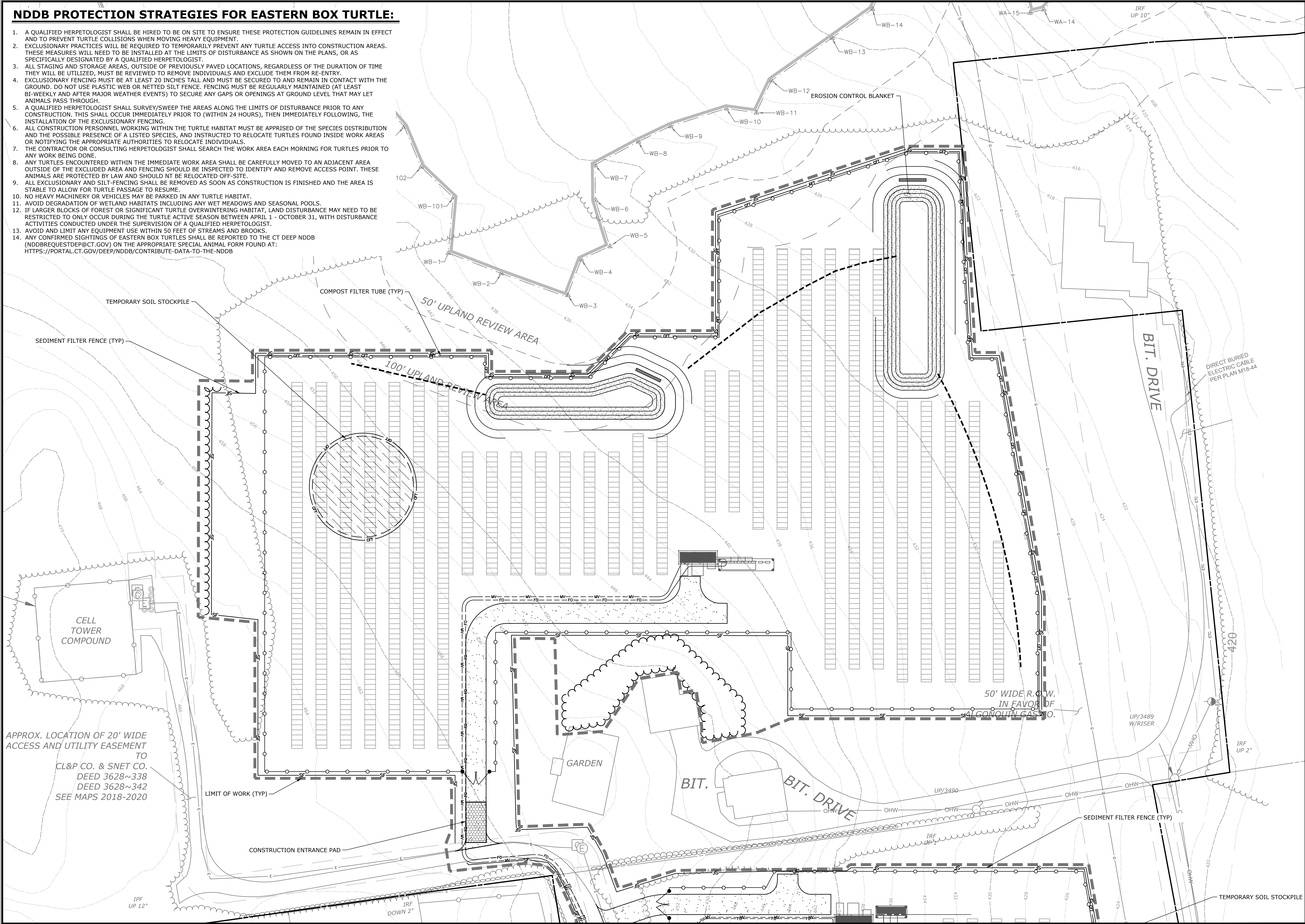
07 OF 14

SHEET NAME

EX-1

NDDB PROTECTION STRATEGIES FOR EASTERN BOX TURTLE:

1. A QUALIFIED HERPETOLOGIST SHALL BE HIRED TO BE ON SITE TO ENSURE THESE PROTECTION GUIDELINES REMAIN IN EFFECT AND TO PREVENT TURTLE COLLISIONS WHEN MOVING HEAVY EQUIPMENT.
2. EXCLUSIONARY PRACTICES WILL BE REQUIRED TO TEMPORARILY PREVENT ANY TURTLE ACCESS INTO CONSTRUCTION AREAS. THESE MEASURES WILL NEED TO BE INSTALLED AT THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS, OR AS SPECIFICALLY DESIGNATED BY A QUALIFIED HERPETOLOGIST.
3. ALL STAGING AND STORAGE AREAS, OUTSIDE OF PREVIOUSLY PAVED LOCATIONS, REGARDLESS OF THE DURATION OF TIME THEY WILL BE UTILIZED, MUST BE REVIEWED TO REMOVE INDIVIDUALS AND EXCLUDE THEM FROM RE-ENTRY.
4. EXCLUSIONARY FENCING MUST BE AT LEAST 20 INCHES TALL AND MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND. DO NOT USE PLASTIC WEB OR NETTED SILT FENCE. FENCING MUST BE REGULARLY MAINTAINED (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS) TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET ANIMALS PASS THROUGH.
5. A QUALIFIED HERPETOLOGIST SHALL SURVEY/SWEEP THE AREAS ALONG THE LIMITS OF DISTURBANCE PRIOR TO ANY CONSTRUCTION. THIS SHALL OCCUR IMMEDIATELY PRIOR TO (WITHIN 24 HOURS), THEN IMMEDIATELY FOLLOWING, THE INSTALLATION OF THE EXCLUSIONARY FENCING.
6. ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE TURTLE HABITAT MUST BE APPRISED OF THE SPECIES DISTRIBUTION AND THE POSSIBLE PRESENCE OF A LISTED SPECIES, AND INSTRUCTED TO RELOCATE TURTLES FOUND INSIDE WORK AREAS OR NOTIFYING THE APPROPRIATE AUTHORITIES TO RELOCATE INDIVIDUALS.
7. THE CONTRACTOR OR CONSULTING HERPETOLOGIST SHALL SEARCH THE WORK AREA EACH MORNING FOR TURTLES PRIOR TO ANY WORK BEING DONE.
8. ANY TURTLES ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA OUTSIDE OF THE EXCLUDED AREA AND FENCING SHOULD BE INSPECTED TO IDENTIFY AND REMOVE ACCESS POINT. THESE ANIMALS ARE PROTECTED BY LAW AND SHOULD NT BE RELOCATED OFF-SITE.
9. ALL EXCLUSIONARY AND SILT-FENCING SHALL BE REMOVED AS SOON AS CONSTRUCTION IS FINISHED AND THE AREA IS STABLE TO ALLOW FOR TURTLE PASSAGE TO RESUME.
10. NO HEAVY MACHINERY OR VEHICLES MAY BE PARKED IN ANY TURTLE HABITAT.
11. AVOID DEGRADATION OF WETLAND HABITATS INCLUDING ANY WET MEADOWS AND SEASONAL POOLS.
12. IF LARGER BLOCKS OF FOREST OR SIGNIFICANT TURTLE OVERWINTERING HABITAT, LAND DISTURBANCE MAY NEED TO BE RESTRICTED TO ONLY OCCUR DURING THE TURTLE ACTIVE SEASON BETWEEN APRIL 1 - OCTOBER 31, WITH DISTURBANCE ACTIVITIES CONDUCTED UNDER THE SUPERVISION OF A QUALIFIED HERPETOLOGIST.
13. AVOID AND LIMIT ANY EQUIPMENT USE WITHIN 50 FEET OF STREAMS AND BROOKS.
14. ANY CONFIRMED SIGHTINGS OF EASTERN BOX TURTLES SHALL BE REPORTED TO THE CT DEEP NDDB (NDDBREQUESTDEP@CT.GOV) ON THE APPROPRIATE SPECIAL ANIMAL FORM FOUND AT: [HTTPS://PORTAL.CT.GOV/DEEP/NDDB/CONTRIBUTE-DATA-TO-THE-NDDB](https://portal.ct.gov/DEEP/NDDB/CONTRIBUTE-DATA-TO-THE-NDDB)



DESCRIPTION	DATE	BY

SEDIMENT & EROSION CONTROL PLAN - 93 LAKE STREET

MANCHESTER SOLAR FACILITY
GREENSKIES CLEAN ENERGY, LLC
81 & 93 LAKE STREET
MANCHESTER, CONNECTICUT

NOT FOR CONSTRUCTION

MRG	JLS	MRG
DESIGNED	DRAWN	CHECKED

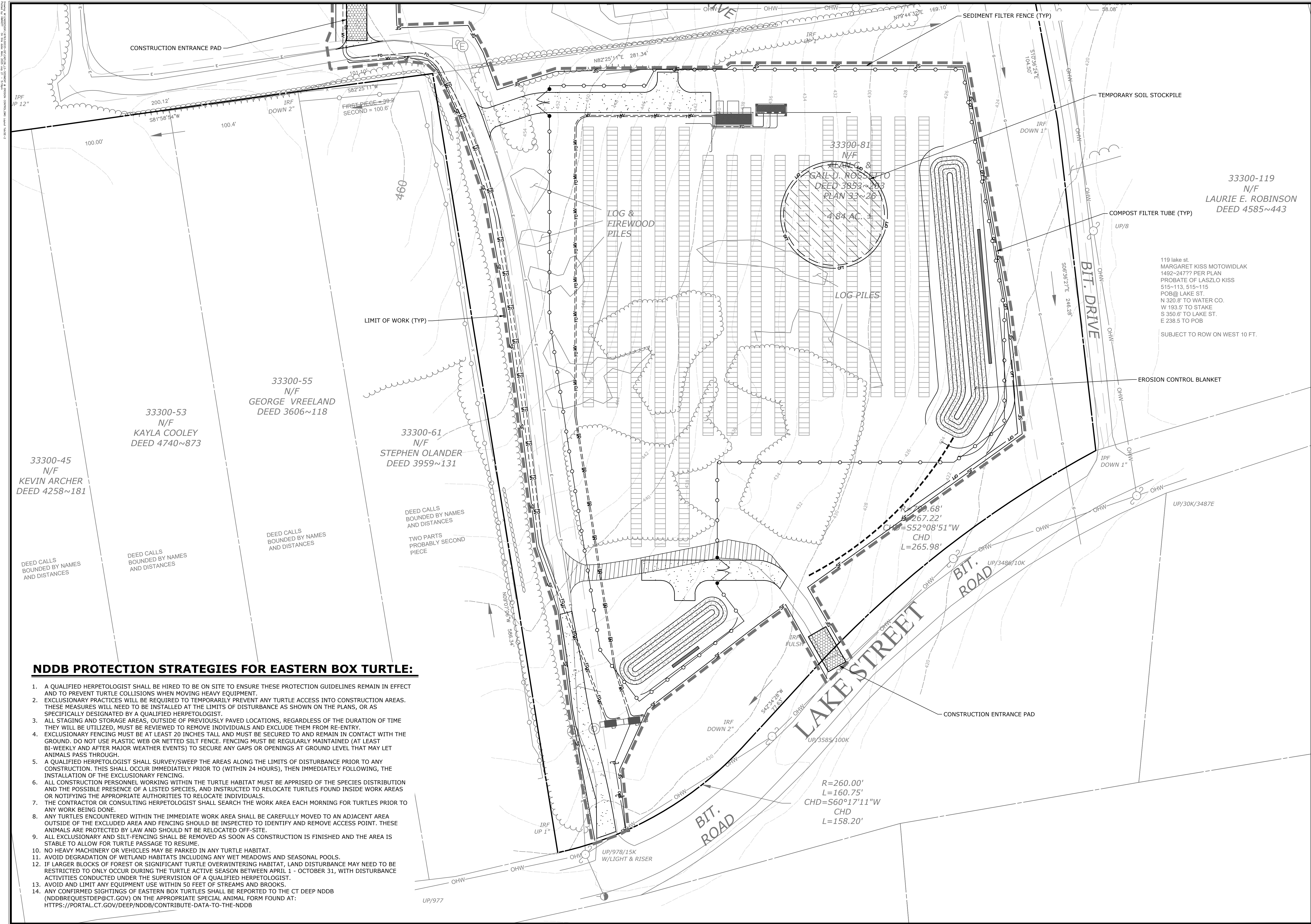
1"=30'

JULY 21, 2025

16763.00033


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SE-1



NDDB PROTECTION STRATEGIES FOR EASTERN BOX TURTLE:

1. A QUALIFIED HERPETOLOGIST SHALL BE HIRED TO BE ON SITE TO ENSURE THESE PROTECTION GUIDELINES REMAIN IN EFFECT AND TO PREVENT TURTLE COLLISIONS WHEN MOVING HEAVY EQUIPMENT.
2. EXCLUSIONARY PRACTICES WILL BE REQUIRED TO TEMPORARILY PREVENT ANY TURTLE ACCESS INTO CONSTRUCTION AREAS. THESE MEASURES WILL NEED TO BE INSTALLED AT THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS, OR AS SPECIFICALLY DESIGNATED BY A QUALIFIED HERPETOLOGIST.
3. ALL STAGING AND STORAGE AREAS, OUTSIDE OF PREVIOUSLY PAVED LOCATIONS, REGARDLESS OF THE DURATION OF TIME THEY WILL BE UTILIZED, MUST BE REVIEWED TO REMOVE INDIVIDUALS AND EXCLUDE THEM FROM RE-ENTRY.
4. EXCLUSIONARY FENCING MUST BE AT LEAST 20 INCHES TALL AND MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND. DO NOT USE PLASTIC WEB OR NETTED SILT FENCE. FENCING MUST BE REGULARLY MAINTAINED (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS) TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET ANIMALS PASS THROUGH.
5. A QUALIFIED HERPETOLOGIST SHALL SURVEY/SWEEP THE AREAS ALONG THE LIMITS OF DISTURBANCE PRIOR TO ANY CONSTRUCTION. THIS SHALL OCCUR IMMEDIATELY PRIOR TO (WITHIN 24 HOURS), THEN IMMEDIATELY FOLLOWING, THE INSTALLATION OF THE EXCLUSIONARY FENCING.
6. ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE TURTLE HABITAT MUST BE APPRISED OF THE SPECIES DISTRIBUTION AND THE POSSIBLE PRESENCE OF A LISTED SPECIES, AND INSTRUCTED TO RELOCATE TURTLES FOUND INSIDE WORK AREAS OR NOTIFYING THE APPROPRIATE AUTHORITIES TO RELOCATE INDIVIDUALS.
7. THE CONTRACTOR OR CONSULTING HERPETOLOGIST SHALL SEARCH THE WORK AREA EACH MORNING FOR TURTLES PRIOR TO ANY WORK BEING DONE.
8. ANY TURTLES ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA OUTSIDE OF THE EXCLUDED AREA AND FENCING SHOULD BE INSPECTED TO IDENTIFY AND REMOVE ACCESS POINT. THESE ANIMALS ARE PROTECTED BY LAW AND SHOULD NT BE RELOCATED OFF-SITE.
9. ALL EXCLUSIONARY AND SILT-FENCING SHALL BE REMOVED AS SOON AS CONSTRUCTION IS FINISHED AND THE AREA IS STABLE TO ALLOW FOR TURTLE PASSAGE TO RESUME.
10. NO HEAVY MACHINERY OR VEHICLES MAY BE PARKED IN ANY TURTLE HABITAT.
11. AVOID DEGRADATION OF WETLAND HABITATS INCLUDING ANY WET MEADOWS AND SEASONAL POOLS.
12. IF LARGER BLOCKS OF FOREST OR SIGNIFICANT TURTLE OVERWINTERING HABITAT, LAND DISTURBANCE MAY NEED TO BE RESTRICTED TO ONLY OCCUR DURING THE TURTLE ACTIVE SEASON BETWEEN APRIL 1 - OCTOBER 31, WITH DISTURBANCE ACTIVITIES CONDUCTED UNDER THE SUPERVISION OF A QUALIFIED HERPETOLOGIST.
13. AVOID AND LIMIT ANY EQUIPMENT USE WITHIN 50 FEET OF STREAMS AND BROOKS.
14. ANY CONFIRMED SIGHTINGS OF EASTERN BOX TURTLES SHALL BE REPORTED TO THE CT DEEP NDDB (NDDBREQUESTDEP@CT.GOV) ON THE APPROPRIATE SPECIAL ANIMAL FORM FOUND AT: [HTTPS://PORTAL.CT.GOV/DEEP/NDDB/CONTRIBUTE-DATA-TO-THE-NDDB](https://portal.ct.gov/deep/nddb/contribute-data-to-the-nddb)



67 HUNT STREET, SUITE 205-C
MANCHESTER, CT 06105
413.241.6930
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

SEDIMENT & EROSION CONTROL PLAN - 81 LAKE STREET

MANCHESTER SOLAR FACILITY
GREENSKIES CLEAN ENERGY, LLC
81 & 93 LAKE STREET
MANCHESTER, CONNECTICUT

NOT FOR CONSTRUCTION

MRG	JLS	MRG
DESIGNED	DRAWN	CHECKED

SCALE
1"=30'

JULY 21, 2025

DATE

PROJECT NO.
16763.00033

SHEET NO.
10 OF 14

SE-2

SHEET NAME



- NOTES:
1. POSTS AND BRACE RAIL MATERIAL SHALL BE PRESSURE-TREATED SOUTHERN YELLOW PINE.
 2. 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
 3. ADDITIONAL BRACING MAY BE REQUIRED ON LONGER FENCE RUNS.
 4. 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



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



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"

NOTES:

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 TRACK,



NO TRESPASSING SIGN

NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



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.

PROTECTIVE STEEL BOLLARD

NOT TO SCALE

[illegible]

SITE DETAILS

**MANCHESTER SOLAR FACILITY
GREENSKIES CLEAN ENERGY, LLC**

81 & 93 LAKE STREET
MANCHESTER, CONNECTICUT

NOT FOR CONSTRUCTION

MRG	JLS	MRC
DESIGNED	DRAWN	CHECKED

AS NOTED

JULY 21, 2025

DATE

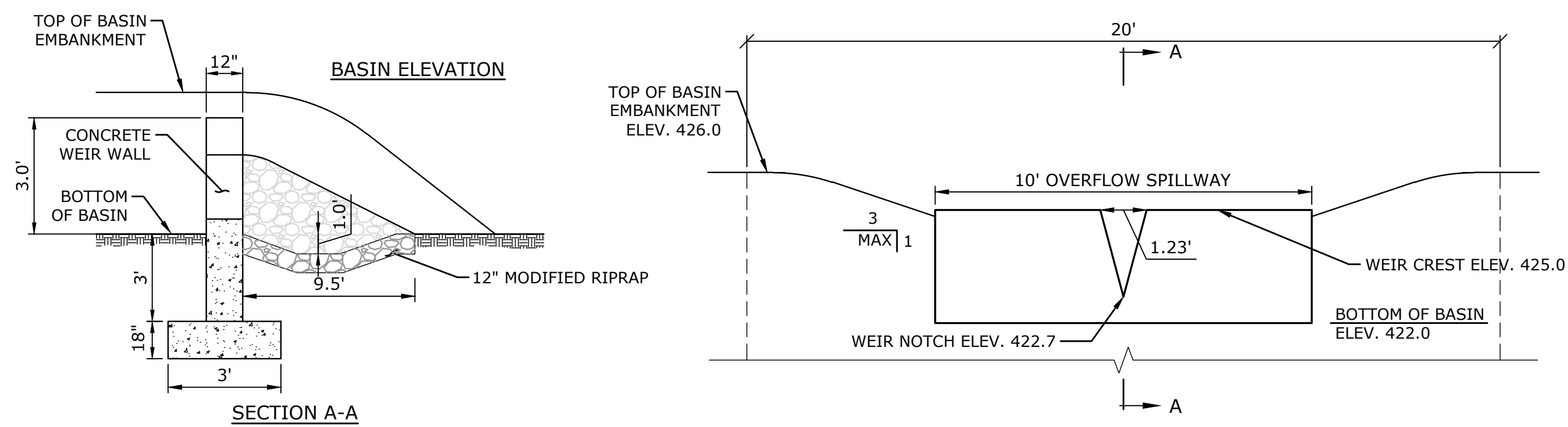
16763.00033

PROJECT NO.

14 OF 14
SHEET NO.

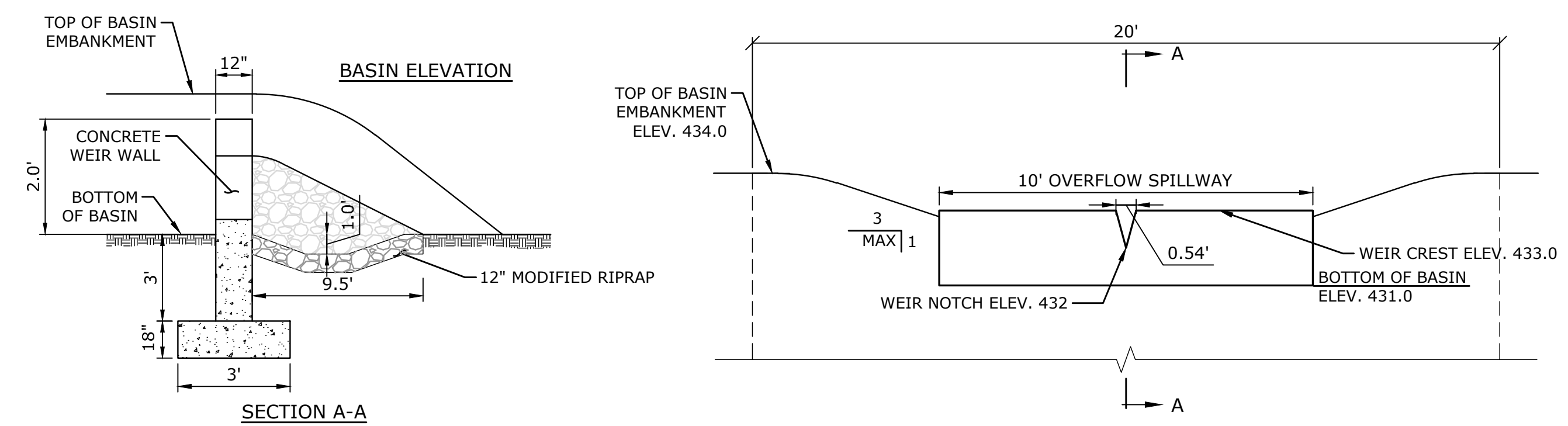
SD-2

SHEET NAME



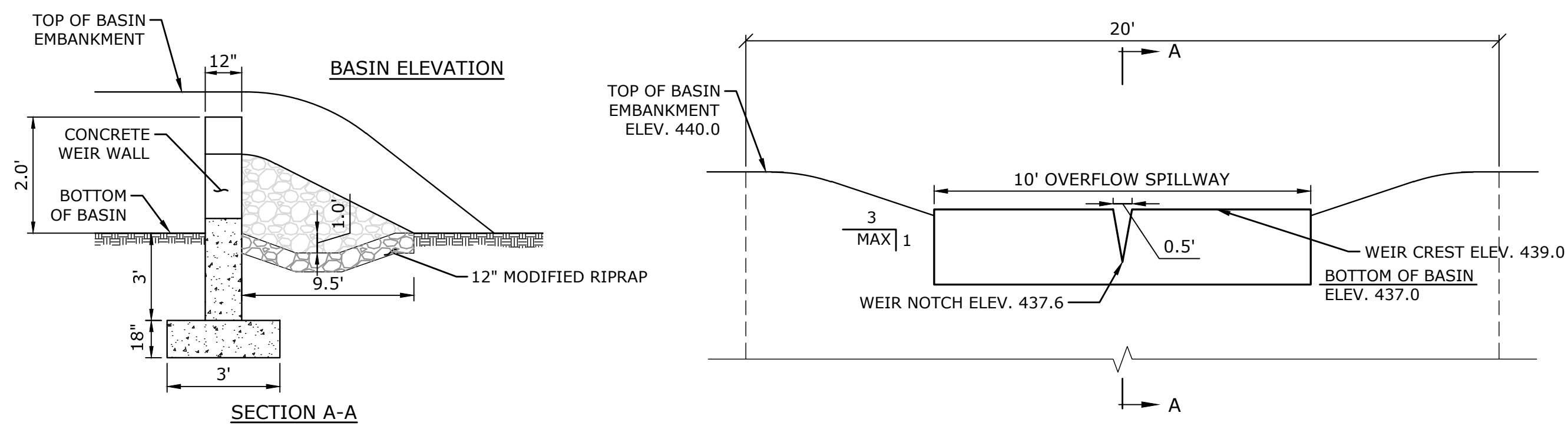
OUTLET WEIR WALL - STORMWATER INFILTRATION BASIN 2

NOT TO SCALE



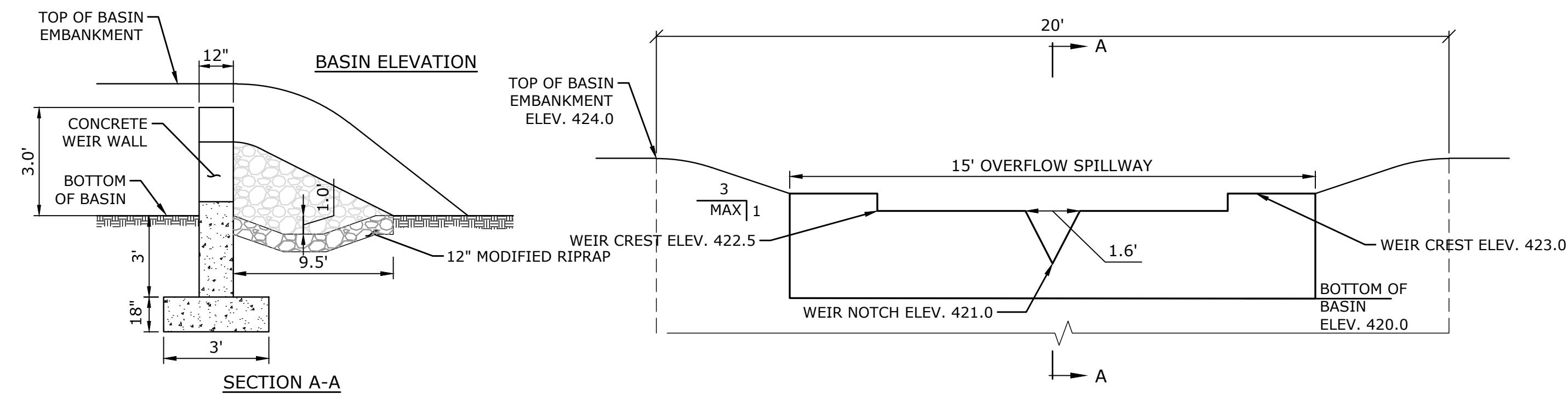
OUTLET WEIR WALL - STORMWATER INFILTRATION BASIN 5

NOT TO SCALE



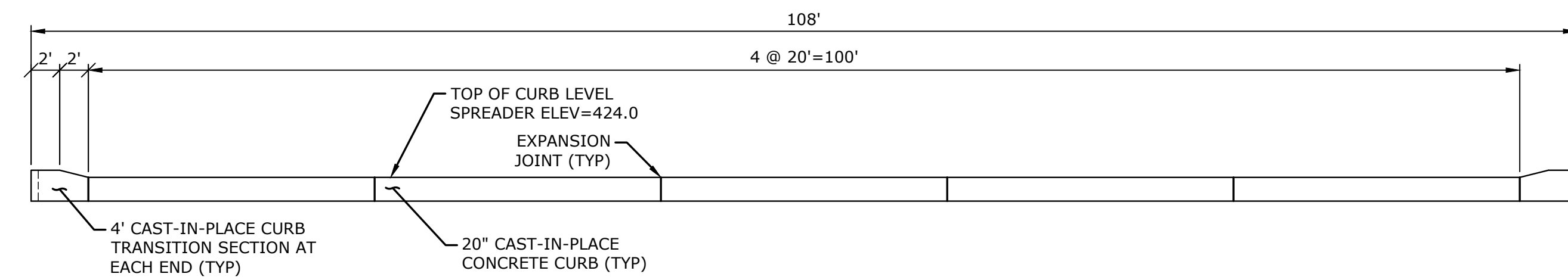
OUTLET WEIR WALL - STORMWATER INFILTRATION BASIN 2A

NOT TO SCALE



OUTLET WEIR WALL - STORWATER INFILTRATION BASIN 4

NOT TO SCALE



NOTES:

1. USE ½" PREFORMED EXPANSION JOINT FILLER SPACING NO MORE THAN 25' O.C. OR AS SHOWN.
2. JOINTS BETWEEN CURB SECTIONS NOT TO EXCEED ½'.
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 AT THE SAME ELEVATION 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

SCALE: N.T.S.

[illegible]

SITE DETAILS

**MANCHESTER SOLAR FACILITY
GREENSKIES CLEAN ENERGY, LLC
81 & 93 LAKE STREET
MANCHESTER, CONNECTICUT**

NOT FOR CONSTRUCTION

MRG DESIGNED	JLS DRAWN	MRC CHECKED
------------------------	---------------------	-----------------------

AS NOTED

JULY 21, 2025

16763.00033
PROJECT NO.

15 OF 14

SD-3

SHEET NAME