Site Plans

Issued for Application

Date Issued May 1, 2024

Latest Issue June 19, 2024

Radiant Meadows Solar

Fawn Meadow Lane Woodbury, Connecticut

Applicant

Greenskies Clean Energy, LLC. 127 Washington Ave, West Building, Garden Level North Haven, CT 06473

Map / Block / Lot: 029 / 018D

Owner

Trofa Enterprises 236 Colonial Dr Fairfield, CT 06824



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No.	Drawing Title	Latest Issue
C-1.0	Legend and General Notes	June 19, 2024
C-2.0	Layout and Materials Plan	June 19, 2024
C-3.0	Grading, Drainage, and Utilities Plan	June 19, 2024
C-4.0	Erosion and Sediment Control Plan	June 19, 2024
C-5.1-5.2	Site Details	June 19, 2024

	Reference Drawings			
e	No.	Drawing Title	Latest Issue	
<u>-</u> 24 24	1 of 1	Plan of Land in Woodbury, CT	September 22, 2023	



Licensed Land Surveyor

Wethersfield, CT 06109

860.807.4300

Northeast Survey Consultants 3 Ferry Street, Studio 1 Easthampton, MA 01027 413-203-5144

Exist.	Prop.		Exist.	Prop.	
		PROPERTY LINE	and a second		CONCRETE
		PROJECT LIMIT LINE			HEAVY DUTY PAVEMENT
		RIGHT-OF-WAY/PROPERTY LINE			BUILDINGS
		EASEMENT			RIPRAP
		BUILDING SETBACK			CONSTRUCTION EXIT
		PARKING SETBACK		<u> </u>	
10+00	10+00	BASELINE	27.35 TC×	27.35 TC×	TOP OF CURB ELEVATION
		CONSTRUCTION LAYOUT	26.85 BC×	26.85 BC×	BOTTOM OF CURB ELEVATION
		ZONING LINE	132.75 ×	132.75 ×	SPOT ELEVATION
		TOWN LINE	45.0 TW × 38.5 BW	45.0 TW × 38.5 BW	TOP & BOTTOM OF WALL ELEVATION
		TOWN LINE	_	�	BORING LOCATION
		LIMIT OF DISTURBANCE	E8		TEST PIT LOCATION
<u> </u>		WETLAND LINE WITH FLAG	→ MW	→ MW	MONITORING WELL
		FLOODPLAIN			
		100-YEAR FLOOD LIMITS	——— UD ——— 12"D	——UD —— 12″D→	UNDERDRAIN
				6″RD—►	DRAIN
		GRAVEL ROAD	6"RD		ROOF DRAIN
<u>EOP</u>	EOP	EDGE OF PAVEMENT	12"S FM	12"S FM	SEWER
BB	ВВ	BITUMINOUS BERM			FORCE MAIN
BC	BC	BITUMINOUS CURB	—— OHW ——	—— OHW ——	OVERHEAD WIRE
CC	CC	CONCRETE CURB	6"W	6"W	WATER
	CG	CURB AND GUTTER	4"FP	4"FP	FIRE PROTECTION
CC	ECC	EXTRUDED CONCRETE CURB		2"DW	DOMESTIC WATER
CC	MCC	MONOLITHIC CONCRETE CURB	3"G	———G——	GAS
CC	PCC	PRECAST CONC. CURB	——Е——	——Е——	ELECTRIC
SGE	SGE	SLOPED GRAN. EDGING	STM	STM	STEAM
VGC	VGC	VERT. GRAN. CURB	——Т——	——т——	TELEPHONE
		LIMIT OF CURB TYPE	FA	——FA——	FIRE ALARM
		SAWCUT		——CATV——	CABLE TV
		SAWCOT			CATCH DACIN
(///////		BUILDING			CATCH BASIN
	7/15/1				DOUBLE CATCH BASIN
] ⊆EN	BUILDING ENTRANCE		=	GUTTER INLET
	LD	LOADING DOCK	(D)	•	DRAIN MANHOLE
•	•	BOLLARD	=TD=		TRENCH DRAIN
D	D	DUMPSTER PAD	CO	CO CO	PLUG OR CAP
- 0-	•	SIGN		•	CLEANOUT
-0	=	DOUBLE SIGN	>		FLARED END SECTION
<u> </u>		STEEL GUARDRAIL			HEADWALL
0 0		WOOD GUARDRAIL	(\$)	•	SEWER MANHOLE
		WOOD GOARDINAIL		CS	
		PATH	₩V ⑤	● WV ●	CURB STOP & BOX
		TREE LINE			WATER VALVE & BOX
Y Y \ -		WIRE FENCE	TSV	— ▼ >	TAPPING SLEEVE, VALVE & BOX
×		FENCE	↔ HYD	→ HYD	SIAMESE CONNECTION
		STOCKADE FENCE	WM	.⊙ WM	FIRE HYDRANT
			⊡ PIV	⊡ PIV	WATER METER
00000		STONE WALL	•	•	POST INDICATOR VALVE
		RETAINING WALL	(W)		WATER WELL
		STREAM / POND / WATER COURSE	GG	GG Q	GAS GATE
		DETENTION BASIN	GM ⊡	GM ⊡	GAS METER
		HAY BALES		EMH	
	—×——×—	SILT FENCE	E) EM	•	ELECTRIC MANHOLE
· · ·	· (::::::> ·	SILT SOCK / STRAW WATTLE	<u>.</u>	EM ⊡	ELECTRIC METER
4		MINOR CONTOUR	\$	*	LIGHT POLE
—20— —	20	MAJOR CONTOUR	\bigcirc	● ^{TMH}	TELEPHONE MANHOLE
40	<u> </u>		T	T	TRANSFORMER PAD
(10)	(10)	PARKING COUNT	—	_	
	©10)	COMPACT PARKING STALLS	-0-	+	UTILITY POLE
DVA	DYL	DOUBLE YELLOW LINE	0-	• -	GUY POLE
DYL	SL	STOP LINE	Ţ	HH T	GUY WIRE & ANCHOR
DYL SL		3101 21112			
		CROSSWALK	HH ©	⊡	HAND HOLE
					HAND HOLE PULL BOX

	Abbreviations
General	
ABAN	ABANDON
ACR	ACCESSIBLE CURB RAMP
ADJ	ADJUST
APPROX	APPROXIMATE
BIT	BITUMINOUS
BS	BOTTOM OF SLOPE
BWLL	BROKEN WHITE LANE LINE
CONC	CONCRETE
DYCL	DOUBLE YELLOW CENTER LINE
EL	ELEVATION
ELEV	ELEVATION
ΞX	EXISTING
DN	FOUNDATION
FFE	FIRST FLOOR ELEVATION
GRAN	GRANITE GRADE TO DRAIN
GTD ₋A	GRADE TO DRAIN LANDSCAPE AREA
LOD	LIMIT OF DISTURBANCE
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PERF	PERFORATED
PROP	PROPOSED
REM	REMOVE
RET	RETAIN
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
SWEL	SOLID WHITE EDGE LINE
SWLL	SOLID WHITE LANE LINE
ΓS	TOP OF SLOPE
ТҮР	TYPICAL
Utility	
СВ	CATCH BASIN
СМР	CORRUGATED METAL PIPE
СО	CLEANOUT
DCB	DOUBLE CATCH BASIN
DMH	DRAIN MANHOLE
CIP	CAST IRON PIPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
ES	FLARED END SECTION
-M	FORCE MAIN
-8G	FRAME AND GRATE
-&C	FRAME AND COVER
GI	GUTTER INLET
GT	GREASE TRAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
Н	HANDHOLE
-IW	HEADWALL
HYD	HYDRANT
NV	INVERT ELEVATION
=	INVERT ELEVATION
LP	LIGHT POLE
MES	METAL END SECTION
PIV	POST INDICATOR VALVE
PWW	PAVED WATER WAY
PVC	POLYVINYI CHI ORIDE PIPE

POLYVINYLCHLORIDE PIPE

RIM ELEVATION

SEWER MANHOLE

UNDERGROUND

UTILITY POLE

REINFORCED CONCRETE PIPE

TAPPING SLEEVE, VALVE AND BOX

- 1. CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (811 OR 1-800-922-4455) AT LEAST 72 HOURS
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- 3. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS.
- 4. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
- 5. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S
- 6. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- 7. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- 8. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 9. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT
- 10. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND WILL REQUIRE ADHERENCE TO AND REGISTRATION FOR THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM
- 11. STAGING AND STOCKPILE AREAS SHALL NOT BE LOCATED WITHIN ANY WETLAND AND ABUTTING RESOURCE AREA AND SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE.

CONSTRUCTION ACTIVITIES, EFFECTIVE NOVEMBER 25, 2022, OR AS AMENDED.

- 1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR IT'S REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
- 2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
- 3. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER AND ARCHITECT.
- 4. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
- 5. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.

Layout and Materials

- 1. PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
- 2. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
- 3. FINAL LAYOUT SUBJECT TO CONDITIONS ENCOUNTERED IN THE FIELD.

<u>Demolition</u>

- 1. CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
- 2. THE DEMOLITION LIMITS DEPICTED IN THE PLANS IS INTENDED TO AID THE CONTRACTOR DURING THE BIDDING AND CONSTRUCTION PROCESS AND IS NOT INTENDED TO DEPICT EACH AND EVERY ELEMENT OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE DETAILED SCOPE OF DEMOLITION BEFORE SUBMITTING ITS BID/PROPOSAL TO PERFORM THE WORK AND SHALL MAKE NO CLAIMS AND SEEK NO ADDITIONAL COMPENSATION FOR CHANGED CONDITIONS OR UNFORESEEN OR LATENT SITE CONDITIONS RELATED TO ANY CONDITIONS DISCOVERED DURING EXECUTION OF THE
- 3. UNLESS OTHERWISE SPECIFICALLY PROVIDED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS NOT PREPARED DESIGNS FOR AND SHALL HAVE NO RESPONSIBILITY FOR THE PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS MATERIALS, TOXIC WASTES OR POLLUTANTS AT THE PROJECT SITE. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CLAIMS OF LOSS, DAMAGE, EXPENSE, DELAY, INJURY OR DEATH ARISING FROM THE PRESENCE OF HAZARDOUS MATERIAL AND CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ANY CLAIMS MADE IN CONNECTION THEREWITH. MOREOVER, THE ENGINEER SHALL HAVE NO ADMINISTRATIVE OBLIGATIONS OF ANY TYPE WITH REGARD TO ANY CONTRACTOR AMENDMENT INVOLVING THE ISSUES OF PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF ASBESTOS OR OTHER HAZARDOUS MATERIALS.

Notes

- 1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
- 2. CONTRACTOR OR QUALIFIED INSPECTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS OR MORE FREQUENTLY AS NEEDED, (MINIMUM) OR AS REQUIRED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- 3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
- 4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM AMOUNT OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE
- 5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.
- 6. VEGETATIVE SLOPE STABILIZATION WILL BE IMPLEMENTED WITHIN 14 DAYS AFTER GRADING OR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. VEGETATIVE SLOPE STABILIZATION WILL BE USED TO MINIMIZE EROSION ON SLOPES OF 3:1 OR STEEPER. ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER MAY BE ESTABLISHED BY HYDRO-SEEDING OR SODDING. A SUITABLE TOPSOIL, GOOD SEEDBED PREPARATION, AND ADEQUATE LIME, FERTILIZER AND WATER WILL BE PROVIDED FOR EFFECTIVE ESTABLISHMENT OF THESE VEGETATIVE STABILIZATION METHODS. MULCH WILL ALSO BE USED AFTER PERMANENT SEEDING TO PROTECT SOIL FROM THE IMPACT OF FALLING RAIN AND TO INCREASE THE CAPACITY OF THE SOIL TO ABSORB WATER.

Existing Conditions Information

- 1. EXISTING CONDITIONS BASE PLAN WAS PREPARED BY NORTHEAST SURVEY CONSULTANTS DATED SEPTEMBER 22, 2023.
- 2. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- 3. WETLANDS WERE FIELD-DELINEATED BY VHB IN AUGUST 2023 AND SUMMARIZED IN A REPORT DATED DECEMBER 6, 2023.

- 1. THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE, AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED, WRITTEN CONSENT OF VHB. ANY UNAUTHORIZED USE, REUSE, MODIFICATION OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO VHB.
- 2. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
- 3. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT



100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300

Radiant Meadows Solar

Fawn Meadow Ln Woodbury, Connecticut

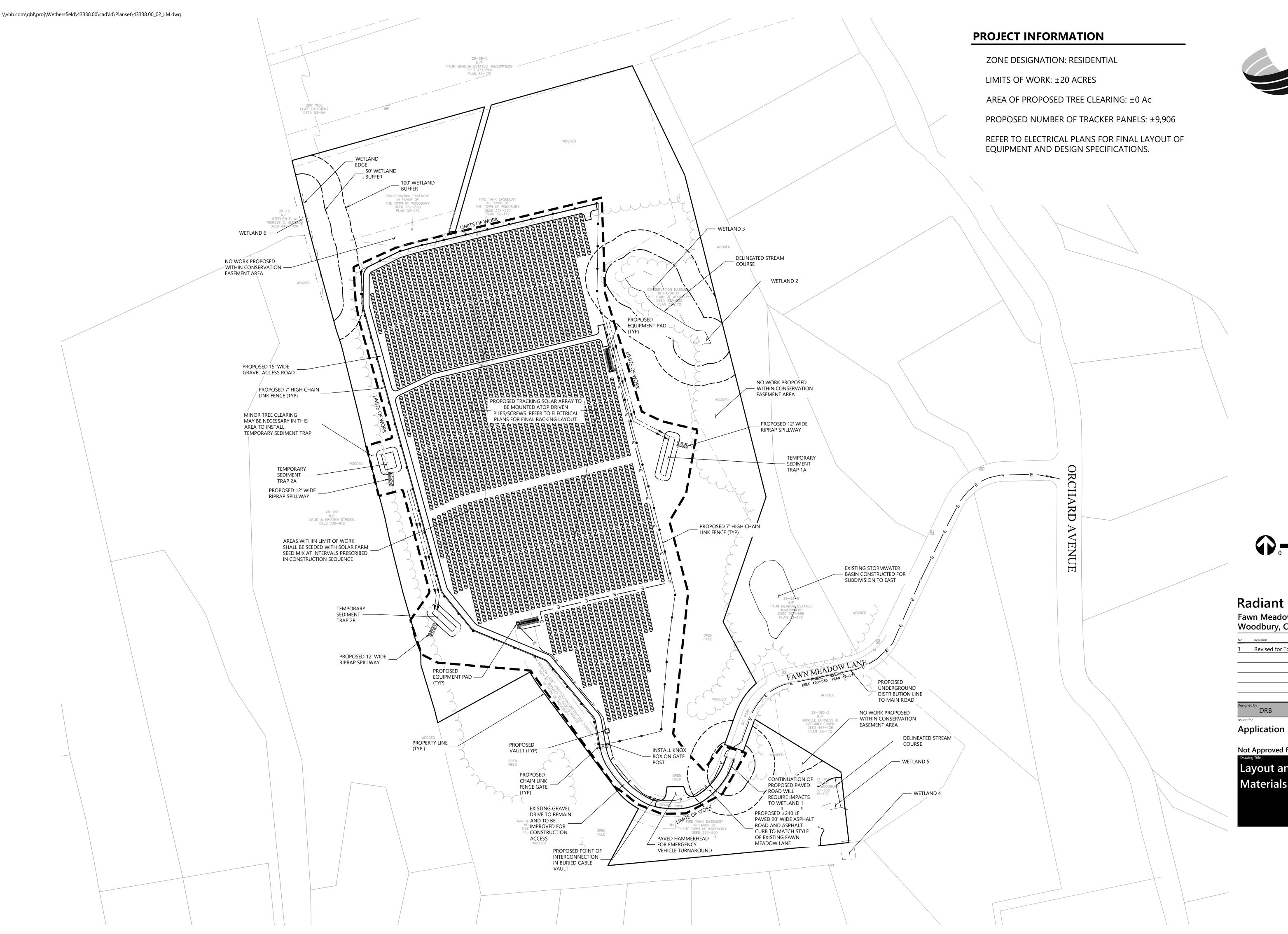
1	Revised for Town	6/19/2024	SJK
Desig	ned by DRB	Checked by SJ	K

Not Approved for Construction

Application

Legend and **General Notes**

May 1, 2024





100 Great Meadow Road

Suite 200 Wethersfield, CT 06109 860.807.4300



Radiant Meadows Solar

Fawn Meadow Ln Woodbury, Connecticut

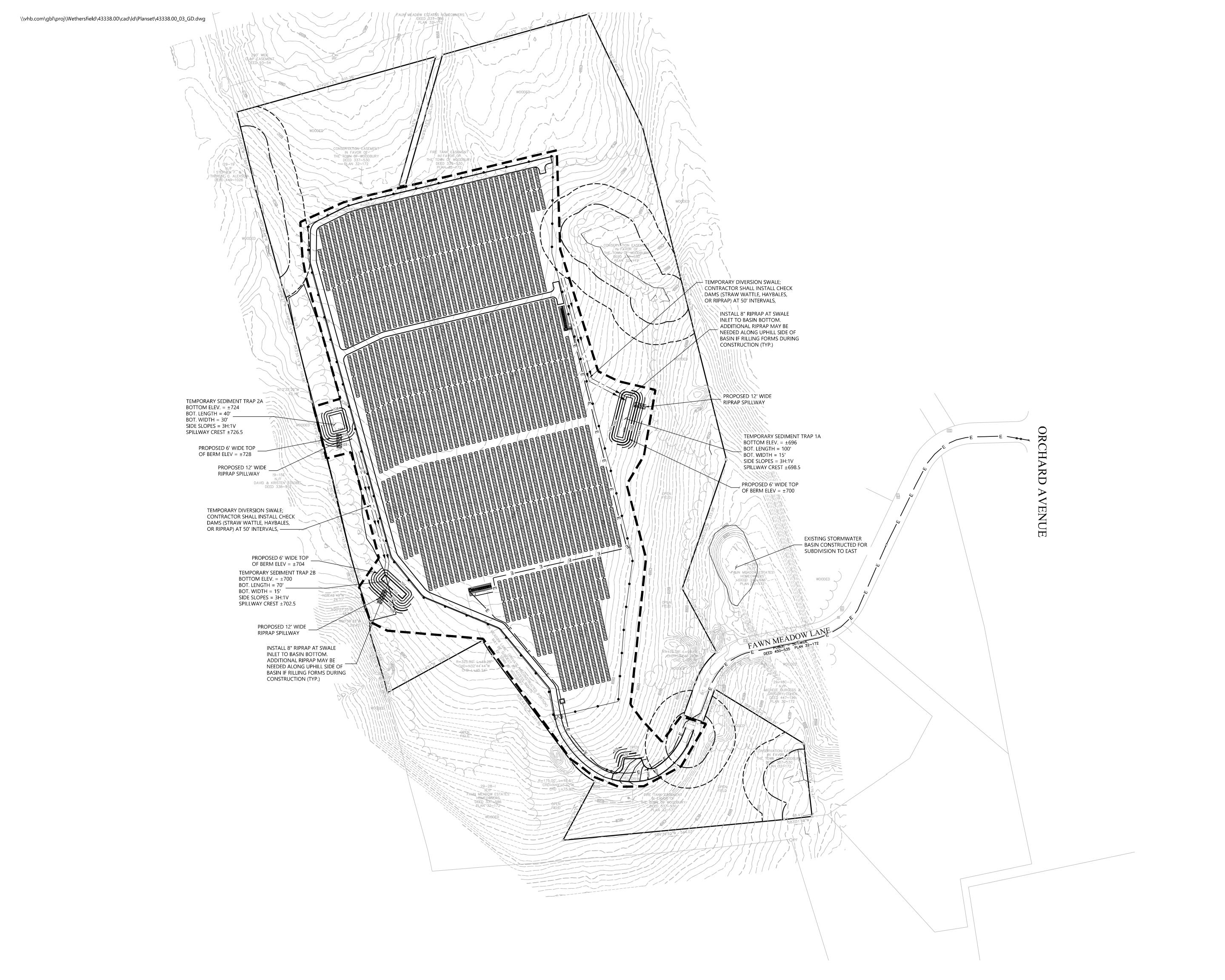
No.	Revision	Date	Appvd.
1	Revised for Town	6/19/2024	SJK

Issued for Date	
DRB	
Designed by Checked by	SJK

Not Approved for Construction

Layout and **Materials Plan**

43338.00







Radiant Meadows Solar

Fawn Meadow Ln Woodbury, Connecticut

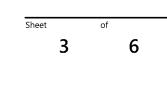
1	Revised for Town	6/19/2024	SJK

Designed by	Checked by
DRB	SJK
Issued for	Date
Application	May 1, 202

Not Approved for Construction

Grading and
Drainage Plan

C-3.0



Project Number 43338.00

CONSTRUCTION SEQUENCING

- ALL CONSTRUCTION ACTIVITIES ARE EXPECTED TO BEGIN IN THE SPRING/SUMMER OF 2025 AND BE COMPLETED BY THE END OF 2025. THE GENERAL CONSTRUCTION NOTES ARE AS FOLLOWS:
- 1. THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT ROADS/HIGHWAYS AND THEIR DRAINAGE SYSTEM, NEIGHBORING PROPERTIES, WETLANDS AND REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT. DESIGNATED ACCESS DRIVES MUST BE USED TO THE MAXIMUM EXTENTS POSSIBLE. IT IS REQUIRED THAT THE SITE CONTRACTOR PERFORM A DAILY INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES EMPLOYED AT THE SITE.
- 2. A CTDEEP-APPROVED QUALIFIED INSPECTOR SHALL BE ASSIGNED TO BE RESPONSIBLE FOR PERFORMING INSPECTIONS AND PREPARING REPORTS IN ACCORDANCE WITH SECTION 5(B)(4)(B) OF THE CONSTRUCTION GENERAL PERMIT. THESE INSPECTIONS SHALL TAKE PLACE WEEKLY, AT A MINIMUM, AND SHALL BE REQUIRED WITHIN 24 HOURS OF A RAINFALL EVENT EXCEEDING 0.5 INCHES. THE ENGINEER OF RECORD SHALL BE REQUIRED TO REVIEW AND COUNTER-SIGN THE PREPARED WEEKLY REPORTS. IT IS ALSO ANTICIPATED THAT REPRESENTATIVES FROM CTDEEP AND/OR THE STATE CONSERVATION DISTRICT WILL PERFORM
- PERIODIC INSPECTIONS.

 3. ENGINEER OF RECORD WILL PERFORM MONTHLY PLAN IMPLEMENTATION INSPECTIONS AND

(3) MONTHS OR UNTIL THE COMPLETION AND STABILIZATION OF ALL EROSION CONTROL

PREPARE REPORTS OF THE FINDINGS. THESE INSPECTIONS SHALL LAST A MINIMUM OF THREE

- 4. THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT, ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE WARRANTED AT THE DISCRETION OF THE QUALIFIED INSPECTOR AND/OR DESIGN ENGINEER. THESE IMPROVEMENTS MUST BE IMPLEMENTED IN A TIMELY FASHION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT. ADDITIONALLY, AREAS OF PROPOSED COMPACTED NATIVE SOIL ROADS SHALL BE CONVERTED TO STABLE GRAVEL ROADS IF/AS DETERMINED BY THE QUALIFIED INSPECTOR OR
- ENGINEER OF RECORD.
 PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE TOWN OF WOODBURY WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION.
- 6. CONTRACTOR SHALL ADHERE TO 2024 CONNECTICUT GUIDELINES FOR EROSION AND
- SEDIMENT CONTROL, AS AMENDED.

 7. THE CONTRACTOR SHALL HOLD PRE-CONSTRUCTION MEETING(S). ATTENDEES SHALL INCLUDE, BUT NOT BE LIMITED TO, DEVELOPER, REPRESENTATIVES OF THE GENERAL CONTRACTOR, SITE CONTRACTOR, CTDEEP, TOWN OF WOODBURY, ENGINEER OF RECORD, AND QUALIFIED SWPPP
- 8. THE PERMITEE/OWNER SHALL BE RESPONSIBLE FOR PROVIDING A KNOX BOX FOR THE BENEFIT OF EMERGENCY RESPONDERS UPON COMPLETION OF CONSTRUCTION AS WELL AS CONDUCTING AN ON-SITE TRAINING SESSION FOR EMERGENCY RESPONDERS PERTINENT TO THE FACILITY.
- 9. THE CONTRACTOR SHALL CONTACT CALL-BEFORE-YOU-DIG (1-800-922-4455) PRIOR TO ENGAGING IN ANY EXCAVATION ACTIVITIES AT THE SITE.
- 10. THE CONTRACTOR SHALL NOTIFY THE TOWN OF WOODBURY AGENT, ZONING ENFORCEMENT OFFICER, AND ENGINEERING DEPARTMENT, 48 HOURS PRIOR TO COMMENCEMENT OF ANY
- CONSTRUCTION ACTIVITY.

 11. NO CONSTRUCTION OF SITE IMPROVEMENTS MAY BEGIN UNTIL THE PROPER EROSION
- CONTROL MEASURES SERVING THE AREA TO BE DISTURBED ARE IN PLACE.

 12. ANTICIPATED WORK HOURS WILL BE BETWEEN 7:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY. SATURDAY WORK CAN BE PERFORMED WITH NOTIFICATION TO THE CONNECTICUT SITING COUNCIL
- 13. ANY DEWATERING BY PUMP SHALL INCLUDE AN INTAKE AND/OR DISCHARGE FILTRATION SYSTEM (I.E. DIRTBAG SYSTEM) AND BE PUMPED TO STABLE GROUND. CONTRACTOR TO ENSURE DISCHARGED WATER IS RUNNING CLEAN OR ALTERIOR METHODS MUST BE EMPLOYED.

PRE-CONSTRUCTION SITE PROTECTION SEQUENCE

- 1. IT IS ANTICIPATED THAT THE SITE WILL BE DELIVERED TO THE CONSTRUCTION TEAM FULLY VEGETATED.
- 2. ACCESS ROADS SHALL BE DESIGNATED AS EARLY AS FEASIBLE AND USED PRIMARILY FOR CONSTRUCTION TRAFFIC.
- 3. INSTALL EROSION AND SEDIMENT CONTROLS FOLLOWING THE CT GUIDELINES AND MANUFACTURER'S DIRECTIONS. DURING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL MEASURES AS REQUIRED BY THE ENGINEER OF RECORD OR QUALIFIED INSPECTOR, TO PREVENT SEDIMENT-LADEN RUNOFF FROM REACHING WETLANDS OR DISCHARGING OFFSITE.
- 4. INSTALL TEMPORARY SEDIMENT TRAPS AND CONVEYANCE SWALES IN ACCORDANCE WITH THE APPROVED SITE-SPECIFIC SWPCP AND CT GUIDELINES. THE ENGINEER OF RECORD SHALL INSPECT FEATURES TO CONFIRM REQUIRED STORAGE CAPACITIES ARE PROVIDED AND THAT OUTLETS AND/OR SPILLWAYS ARE CONSTRUCTED CORRECTLY. DISCHARGE AREAS BELOW OUTFALLS MUST BE INSPECTED TO CONFIRM FLOW WILL BE OVER STABLE GROUND AND SHEET FLOW IS ENCOURAGED. IF DISTURBED SOILS ARE PRESENT, THE ENGINEER OF RECORD TO PROVIDE CORRECT MEASURES TO ADDRESS CONDITION.
- 5. SEED AND PROTECT DISTURBED SOILS AROUND SEDIMENT TRAPS WITHIN 14 DAYS OF COMPLETION. SECURE SEED WITH BIODEGRADABLE EROSION CONTROL MATTING.

CONSTRUCTION SEQUENCE

- CLEAR AND GRUB AREAS TO LIMITS PRESCRIBED ON THE PLANS.
 TOPSOIL SHALL BE REPLACED OVER REGRADED AREAS UPON COMPLETION OF MASS EARTHWORK ACTIVITIES AND AREAS WHICH WERE DISTURBED BY MASS EARTHWORK
- OPERATIONS SHALL BE RESEEDED WITHIN 14 DAYS OF COMPLETION.

 3. THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL ADDRESS ONGOING EROSION PROBLEMS USING TEMPORARY DIVERSIONS AND FILLING AND GRADING GULLIES. TRACK GULLIES UP AND DOWN SLOPE. A STAPLED BIODEGRADABLE EROSION CONTROL BLANKET
- WITHOUT MONOFILAMENT MESH IS AN ACCEPTABLE ALTERNATIVE FOR HYDROSEED AND BFM.

 4. UPON COMPLETION OF THIS CONSTRUCTION PHASE, ALL DISTURBED AREAS SHALL BE SEEDED AND STABILIZED WITH BIODEGRADABLE EROSION CONTROL MATTING PRIOR TO CONTINUING CONSTRUCTION SEQUENCE.
- 5. INSTALL PILES AND/OR GROUND SCREWS FOR SOLAR PANEL RACKING.
- 6. INSTALL ELECTRICAL CONDUIT AS REQUIRED BY THE ELECTRICAL DESIGN PLANS.
 7. THE INSTALLATION OF RACKING SHALL FOLLOW THE FOLINDATION INSTALLATION
- 7. THE INSTALLATION OF RACKING SHALL FOLLOW THE FOUNDATION INSTALLATION BY ROUGHLY ONE WEEK STARTING FROM THE SAME POINT.
- 8. RESEED AND REGRADE ALL AREAS DISTURBED BY CONSTRUCTION TRAFFIC WITHIN THE ARRAYS WHERE RACKS ARE INSTALLED AS EARLY AS POSSIBLE. RUTS AND RILLS SHALL BE SMOOTHED AND GRADED AS DISCOVERED.
- 9. INSTALL SOLAR PANEL MODULES IN THE RACKING. MUCH OF THIS WORK IS ANTICIPATED TO BE PERFORMED BY HAND AND LIGHT CONSTRUCTION EQUIPMENT WHICH WILL CAUSE MINIMAL DISTURBANCE COMPARED TO THE USE OF HEAVY EQUIPMENT. DESIGNATED ACCESS ROADS SHALL STILL BE USED TO THE MAXIMUM EXTENTS POSSIBLE.
- 10. UPON COMPLETION OF CONSTRUCTION, RE-SEED ALL DISTURBED AREAS WITHIN 14 DAYS AND PREVENT VEHICULAR TRAFFICKING OVER THESE AREAS. INSTALL FINAL LANDSCAPING.
- 11. AFTER SITE IS STABILIZED, AND AFTER INSPECTION BY DESIGN ENGINEER AND/OR CTDEEP REPRESENTATIVE, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS INCLUDING SEDIMENT TRAPS AND DIVERSION SWALES. ENTIRE SITE SHALL BE CHECKED FOR AND CLEANED OF SEDIMENT AS NEEDED.

WILDLIFE PROTECTION

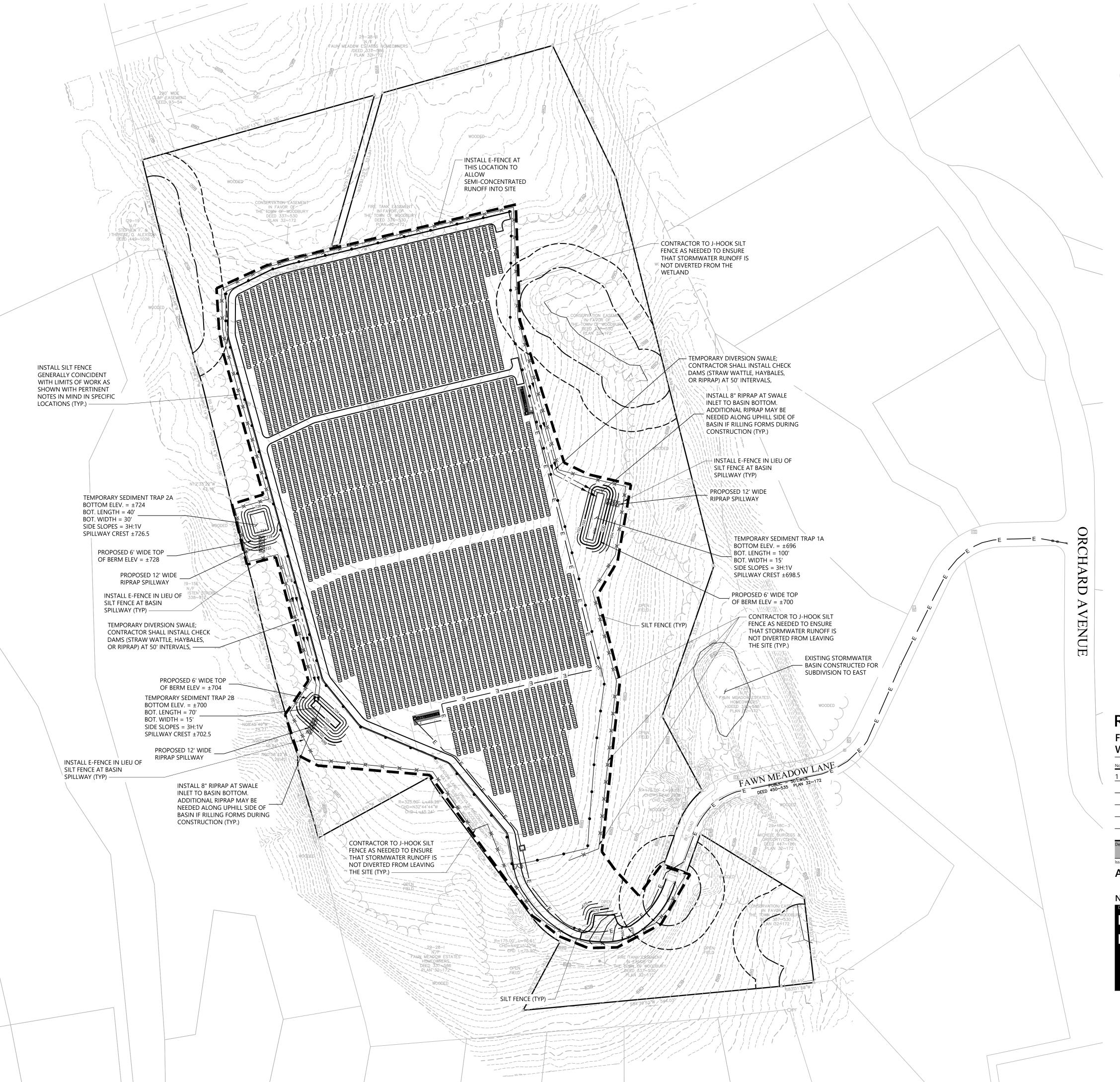
CONTRACTOR SHALL BE AWARE THAT EASTERN HOGNOSE SNAKES MAY BE PRESENT ON SITE. ALL WORK CAN BE PERFORMED BETWEEN APRIL 1 AND OCTOBER 31 DURING THE ACTIVE SEASON OF THE SPECIES. IN THE EVENT THAT WORK OUTSIDE OF THESE LIMITS IS REQUIRED, THE CONTRACTOR SHALL TAKE THE FOLLOWING PRECAUTIONS:

- ALL WORKERS SHALL BE APPRISED OF THE SPECIES DESCRIPTION AND SNAKES FOUND ON SITE SHALL NOT BE KILLED.
- THE WORK AREA MUST BE SCANNED EACH DAY PRIOR TO INITIATION OF WORK.
 ANY SNAKES DISCOVERED WITHIN THE WORK LIMITS SHOULD BE MOVED TO OUTSIDE OF THE
- SILT FENCE BUT REMAIN ON THE PARCEL.

 4. EXTRA CARE SHALL BE TAKEN DURING EARLY MORNING AND LATE EVENING HOURS.

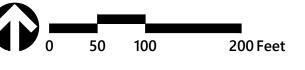
 5. NO VEHICLES OR HEAVY MACHINERY SHALL BE PARKED OUTSIDE OF DELINEATED
- CONSTRUCTION WORK LIMITS.

 6. STOCKPILES SHALL BE CLEARED OF SNAKES PRIOR TO USE.
- STOCKFILES SHALE BE CLEARED OF SNARES FRIOR TO USE.
 ENTIRE WORK AREA SHALL HAVE MINIMUM 20 INCH HIGH SILT FENCE SURROUNDING AT ALL TIMES, AND SILT FENCE SHALL BE REMOVED AS EARLY AS PRACTICABLE UPON COMPLETION OF CONSTRUCTION AND WITHIN CONFINES OF CTDEEP STORMWATER GENERAL PERMIT.
- 8. IF SNAKE NESTS ARE DISCOVERED, A BIOLOGIST APPROVED BY THE OWNER/DEVELOPER MUST BE CONTACTED TO PLAN THE SITE USE AND NESTING SITE MANAGEMENT.





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Radiant Meadows Solar

Fawn Meadow Ln Woodbury, Connecticut

Revision	Date	Арруи.
Revised for Town	6/19/2024	SJK
	-,,	

May 1, 2024
Date
Checked by SJK

Not Approved for Construction

Erosion Control
Plan

C-4.



Project Number 4338.00

E-Fence DETAILS - Wildlife Exclusion - WPT

other patents pending)

T-Post - 8 FT c-c At Fence T-Post 8' OC sections, overlap 12" and wire tie 14 ga. guide wire (3 to together to close all gaps 4" from top of barrier) E-Fence Guide Wire - wrap once around top of each post and Construction tension from post to post EFB20 Side 14 gauge galvanized wire ERTEC E-Fence 20° 3" from top of fence. 14" - height above ground Back fill fence side first, this side second Side A At E-Fence overlaps - sew sections together with wire-ties to completely eliminate all gaps. 6" - trench depth Back-fill Side A first to Drive posts to depth of push E-Fence against 18" below grade T-Posts

E-Fence Guide Wire Crimps crimped to guide wire 3' c-c (Detail A) At posts, install 2 wire ties. One at top, and one halfway.

E-Fence DETAILS – Guidewire Crimp

Detall A: Installing E-Fence Wire Ties: 1). Push E-Fence tie through barrier. 2). Expose hooks on side near guide wire, 3), Insert guide wire, 4), Crimp tightly,

E-Fence™ DETAILS – Wildlife Exclusion

Installation Notes:

- Excavate a trench a minimum of 4" wide and a minimum of 5"
- T-posts shall be a minimum of 0.95 lbs/ft. T-posts shall be driven a minimum 18" deep into the ground 8' centers
- Insert barrier material into trench and attach to post in two places: 1) at 3" below top of fence and at 2) mid-height
- At 3 inches from top of fence (above wire tie), wrap 14 gauge galvanized wire once around each T-post and pull the guide wire from post to post, wrap, secure and pull wire tight between each
- At segment overlaps (roll length 100 or 150 LF), overlap segments a minimum of 12". Eliminate all gaps by tying sections together with tie wire in two vertical rows, as shown.
- Push E-Fence Guide Wire Crimps through the E-Fence and crimp the ties to the guide wire on the other side of the fence (two crimps per tie) at 3' intervals, as illustrated in Detail A of the installation guidelines. Crimp to the guide-wire securely.
- E-Fence must be installed in continuous lengths (100 or 150 feet rolls). Do not cut segments into shorter lengths unless necessary due to sudden changes in elevation.
- Backfill trench with trench spoils. Backfill from E-Fence side of posts first so that E-Fence is pushed up against T-posts. Back fill other side to complete backfill.

WIDTH PER PLAN SINGLE GATE UP TO 12' DOUBLE GATE OVER 12' - WIRE FASTENERS @ 18" INTERVALS, TOP AND BOTTOM -5/8" ROUND LATCH ROD TURNBUCKLÉ[×] -USE GATE POST 4" O.D. STEEL TUBE GATE POST FOR SINGLE STRETCHER BAR (SEE NOTE 4.) 3/8" STEEL TRUSS ROD FRAMES AND BRACES BANDS TO BE 1.66" O.D. BAR BANDS STEEL TUBE CHAIN LINK FABRIC — ______ GROUND LINE 1.66" NOMINAL O.D. SOCKET FOR LATCH ROD— AUTOMATIC GATE BACKSTOP SET IN CONCRETE BASE (CLASS A) 6"DIA.x1'-6", FOR ÈACH GATE WHEN OPEN

Notes:

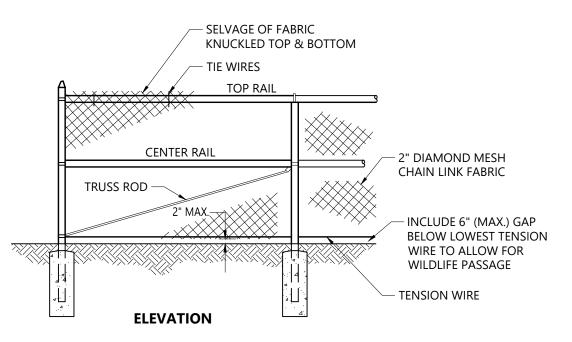
- CHAIN LINK FABRIC FOR GATES TO BE THE SAME AS REQUIRED FOR FENCE.
- 2. GATE POST BASE-PORTLAND CEMENT CONCRETE (3000 PSI).
- 3. FENCE FABRIC, POSTS, FRAMEWORKS, AND HARDWARE SHALL BE GALVANIZED STEEL OR BLACK VINYL (AS INDICATED ON PLANS) PER SPECIFICATIONS.
- 4. GATE POSTS TO BE USED ON EACH SIDE OF SINGLE AND DOUBLE GATE OPENINGS.

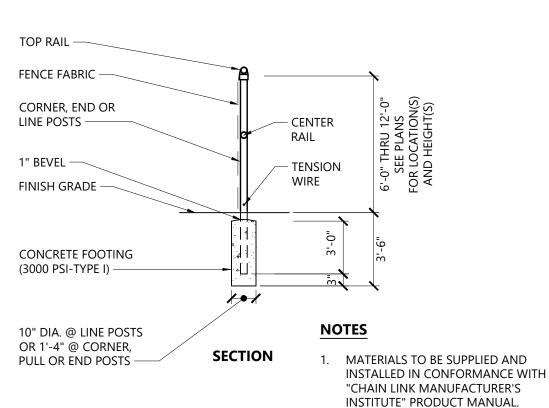
Chain Link Fence Gate

N.T.S. Source: VHB LD 482

E-Fence Installation Details

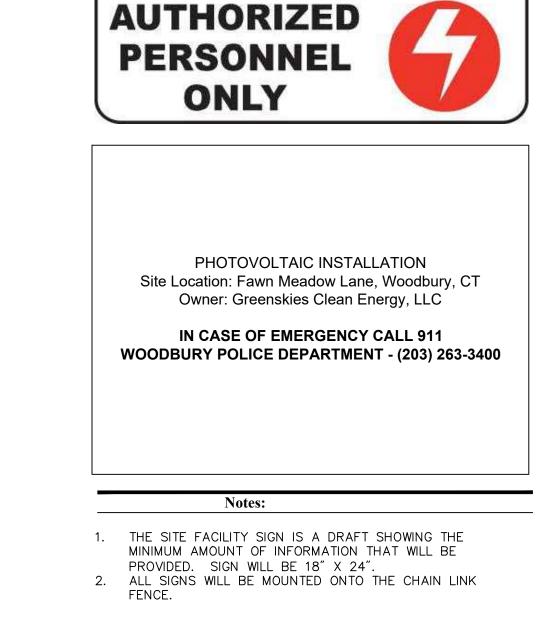
N.T.S. Source: Ertec Environmental Systems





Source: VHB

N.T.S.



ELECTRICAL HAZARD

ONE PANEL IN PORTRAIT TILT ANGLE VARIES 60° TO -60° ±6.5' CLEAR SPACING ±7.5' FOOTPRINT MAX. AT 0° TILT MIN. AT 0° TILT POLE HEIGHT ±9' GROUND SLOPES VARY FOUNDATION

> FINAL DETERMINATION OF PANEL TYPE, RACKING SYSTEM, AND FOUNDATION POSTS TO BE DETERMINED PENDING BEST AVAILABLE TECHNOLOGY AT TIME OF CONSTRUCTION AND STRUCTURAL GROUND TESTING.

7' Chain Link Fence **Danger and Site Facility Signs** 10/20

LD_480

N.T.S. Source: VHB

Cross Section of Tracking Panel Array N.T.S. Source: VHB

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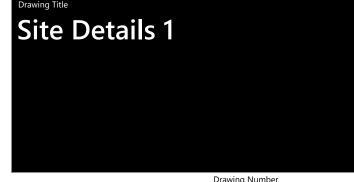
Fawn Meadow Ln Woodbury, Connecticut

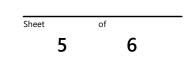
Revised for Town 6/19/2024 SJK

Checked by SJK DRB May 1, 2024

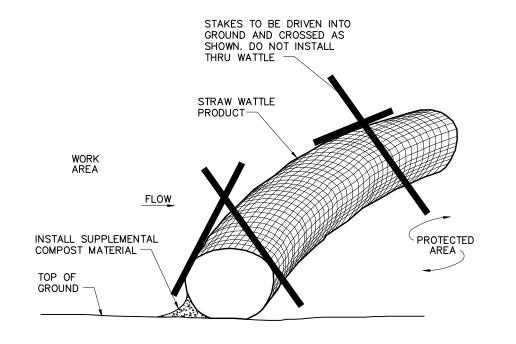
Not Approved for Construction

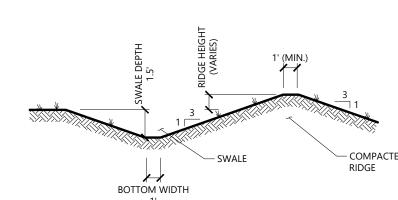
Application





43338.00



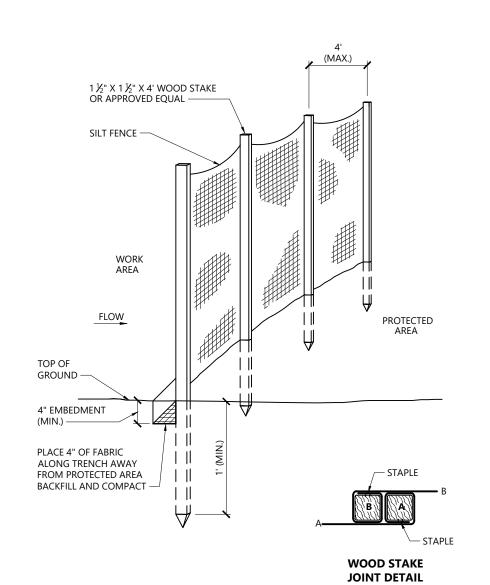


1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1 2. THE INTENT IS TO USE THE MATERIAL EXCAVATED FROM THE SWALE TO CONSTRUCT THE RIDGE.

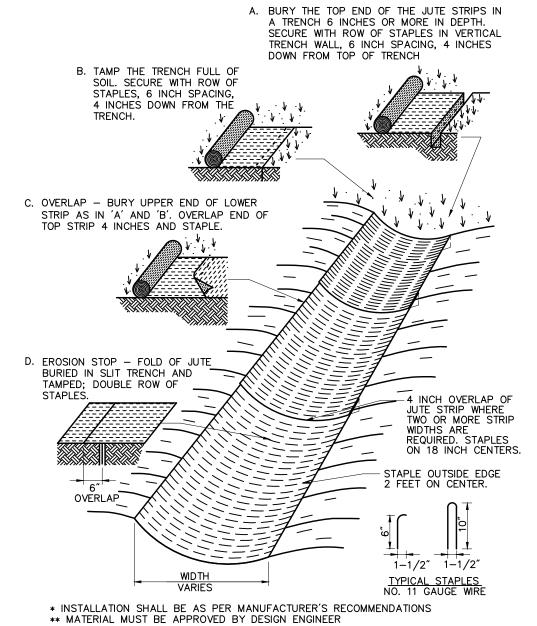
3. BOTTOM OF SWALE SHALL BE LINED WITH EROSION CONTROL BLANKET.

SWALE DEPTH 1,5:	SWATES)	1' (MIN.)	3 1 — COMPACTED RIDGE
BOTTOM WIDT	SWALE	1' (MIN.)	COMPACTED

Diversion Swale		Silt Fence Bar	rier
N.T.S.	Source: VHB	N.T.S.	S



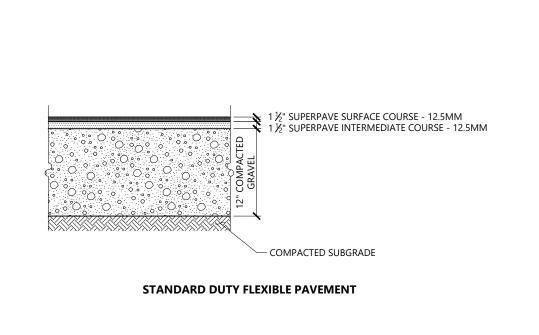
Silt Fence Barrier		1/16
N.T.S.	Source: VHB	LD_650





LD_681

LD_680



PAVEMENT SECTIONS ARE SUBJECT TO CHANGE AND WILL BE BASED ON THE RESULTS OF FURTHER GEOTECHNICAL INVESTIGATIONS.

Bituminous C	oncrete Pavement Section		7/22
N.T.S.	Source: VHB	REV	LD_430

STAKES TO BE DRIVEN INTO GROUND AND CROSSED AS SHOWN. DO NOT INSTALL

THRU SOCK MATERIAL

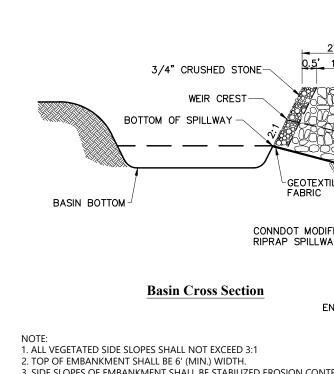
COMPOST FILLED SILTSOCK (12" TYP.) —

BIODEGRADABLE

FLOW

WORK AREA

INSTALL SUPPLEMENTAL COMPOST MATERIAL -

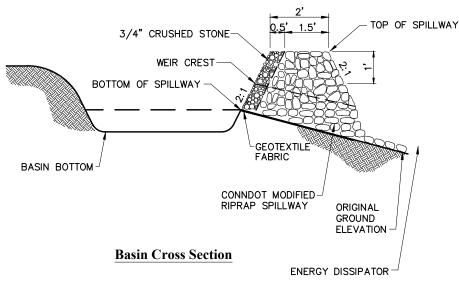


- 2. STONE FOR SPILLWAY SHALL BE 8" RIPRAP

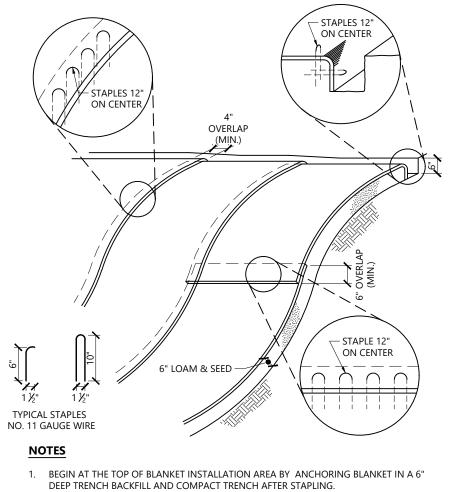
LD_658

4. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY EROSION CONTROL BLANKETS OR AS DIRECTED BY THE ENGINEER. 5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY AND

Temporary S	ediment Trap Spillway
N.T.S.	Source: VHB



		6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EX		
Temporary	Sediment Trap	Erosion Control Blank	et Slope Installa	tion
N.T.S.	Source: VHB	N.T.S.	Source: VHB	REV



2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.

3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.

4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE UPPER BLANKET END

OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.

5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.

- SILTSOCK SHALL BE 12" DIAMETER FILTREXX SILTSOXX, OR APPROVED EQUAL.
- 2. SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
- SILTSOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
- 4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
- 5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

Compost Filter Sock (CFS)		8/12
N.T.S.	Source: VHB	LD_658

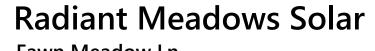


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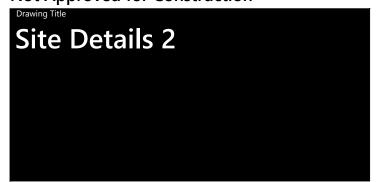


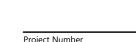
Fawn Meadow Ln Woodbury, Connecticut

Revised for Town 6/19/2024 SJK

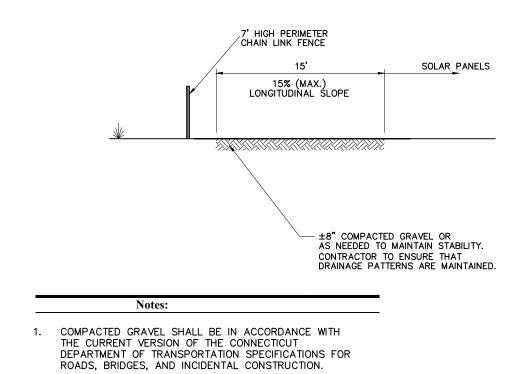
Application	May 1, 2024
Issued for	Date
Designed by DRB	Checked by SJK

Not Approved for Construction





43338.00



Perimeter Access Cross Section N.T.S.

Straw Wattle Installation

N.T.S.

REFER TO PLAN SHEET BOTTOM/CREST OF SPILLWAY -

1. ALL SIDE SLOPES SHALL NOT EXCEED 1:1 FOR SPILLWAY

3. TOP OF EMBANKMENT SHALL BE 6' (MIN.) WIDTH.

REPLACED WITH E-FENCE.

3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED EROSION CONTROL BLANKETS OR AS DIRECTED BY THE ENGINEER.

4. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY AND REPLACED WITH E-FENCE.

