Site Plans

Issued for Construction

Date Issued September 19, 2023

Latest Issue March 4, 2025

GCE Winchester Solar

Spencer Hill Road
Winchester, Connecticut

Applicant

Greenskies Clean Energy LLC 127 Washington Avenue, West Building, Lower Level North Haven, CT 06473

Map / Block / Lot: 017 / 150 / 066

Owner

Ahern Frank L & Karen Merete PO Box 310 Lake City, FL 32056



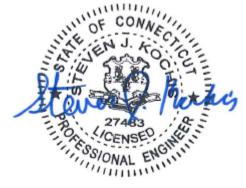
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No.	Drawing Title	Latest Issue	
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	Reference Drawings			
e	No.	Drawing Title	Latest Issue	
<u>2</u> 5	1 of 1	Boundary Survey & LiDAR Contours	January 31, 2023	



Licensed Land Surveyor

Northeast Survey Consultants 116 Pleasant St. Suite 302 PO Box 109 Easthampton, MA 01027 413-203-5144



Legend					
Exist.	Prop.		Exist.	Prop.	
		PROPERTY LINE		Control of the Contro	CONCRETE
		PROJECT LIMIT LINE			HEAVY DUTY PAVEMENT
		RIGHT-OF-WAY/PROPERTY LINE			BUILDINGS
		EASEMENT			RIPRAP
			621.0621	7 × × × × ×	CONSTRUCTION EXIT
		BUILDING SETBACK			CONSTRUCTION EXT
10+00	10+00	PARKING SETBACK BASELINE	27.35 TC×	27.35 TC×	TOP OF CURB ELEVATION
ı			26.85 BC×	26.85 BC×	BOTTOM OF CURB ELEVATION
		CONSTRUCTION LAYOUT	132.75 ×	132.75 ×	SPOT ELEVATION
		ZONING 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	ě		TEST PIT LOCATION
<u>&</u>		WETLAND LINE WITH FLAG	→ MW	→ MW	MONITORING WELL
		FLOODPLAIN			
		100-YEAR FLOOD LIMITS	———UD ———	——UD——	UNDERDRAIN
		100 TEARTEGOD EIWITS	12"D	12″D→	DRAIN
		GRAVEL ROAD	6"RD	6″RD—►	ROOF DRAIN
EOP	EOP	EDGE OF PAVEMENT	1 <u>2</u> "S	1 <u>2"</u> S	SEWER
BB	BB		FM	FM	FORCE MAIN
BC	BC	BITUMINOUS BERM	OHW	OHW	OVERHEAD WIRE
		BITUMINOUS CURB	6"W	6"W	WATER
CC	CC CG	CONCRETE CURB	4"FP	4"FP	FIRE PROTECTION
		CURB AND GUTTER		2"DW	DOMESTIC WATER
CC	ECC	EXTRUDED CONCRETE CURB	3"G	——-G——	GAS
CC	<u>MCC</u>	MONOLITHIC CONCRETE CURB	F	——E——	
CC	PCC	PRECAST CONC. CURB	CTM		ELECTRIC
SGE	SGE	SLOPED GRAN. EDGING	STM	——STM——	STEAM
VGC	VGC	VERT. GRAN. CURB		——T——	TELEPHONE
		LIMIT OF CURB TYPE	——-FA——	——FA——	FIRE ALARM
		SAWCUT	CATV	—— CATV——	CABLE TV
			_	=	CATCH BASIN
(1111111		BUILDING			DOUBLE CATCH BASIN
7(T ⊲EN	BUILDING ENTRANCE			GUTTER INLET
		LOADING DOCK	(D)	•	DRAIN MANHOLE
•		BOLLARD	=TD=		TRENCH DRAIN
D	D	DUMPSTER PAD	Γ	Γ	PLUG OR CAP
-	<u>→</u>	SIGN	со	CO	CLEANOUT
- 	• =	DOUBLE SIGN	•	•	
<u> </u>	-	DOODLE SIGN	-	,	FLARED END SECTION HEADWALL
<u> </u>		STEEL GUARDRAIL			HEADWALL
		WOOD GUARDRAIL	(\$)	•	SEWER MANHOLE
				CS	
		PATH	WV	WV	CURB STOP & BOX
		TREE LINE		•	WATER VALVE & BOX
γ γ · · ·			TSV	TSV —•>	TAPPING SLEEVE, VALVE & BOX
××	-xx	WIRE FENCE	♦♦ HYD	₩ HYD	SIAMESE CONNECTION
	•	FENCE	® WM	⊗ WM	FIRE HYDRANT
<u> </u>		STOCKADE FENCE	⊡	⊡	WATER METER
0000000		STONE WALL	PIV	PIV ●	POST INDICATOR VALVE
		RETAINING WALL			WATER WELL
		STREAM / POND / WATER COURSE	GG	GG Q	GAS GATE
		DETENTION BASIN	© _GM	GM	GAS METER
		HAY BALES		<u> </u>	GAO METEL
-××-	—×——×—	SILT FENCE	© .	● ^{EMH}	ELECTRIC MANHOLE
<pre></pre>	· C::::::> ·	SILT SOCK / STRAW WATTLE	EM	EM ⊡	ELECTRIC METER
4	4	MINOR CONTOLIR	φ	*	LIGHT POLE
4		MINOR CONTOUR	(● TMH	TELEPHONE MANHOLE
20		MAJOR CONTOUR	_	▼	
(10)	10	PARKING COUNT	T	T	TRANSFORMER PAD
	C10	COMPACT PARKING STALLS	-0-	•	UTILITY POLE
DYL	DYL	DOUBLE YELLOW LINE	0-	•-	GUY POLE
SL	SL		Ţ	<u></u>	
1111111111		STOP LINE	HH	← HH ⊡	GUY WIRE & ANCHOR
		CROSSWALK	PB	PB	HAND HOLE
		ACCESSIBLE CURB RAMP		□	PULL BOX
Ė	گ	ACCESSIBLE PARKING	Mato	hline	MATCHLINE
E.	گ	VAN-ACCESSIBLE PARKING			

	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
EX	EXISTING
FDN	FOUNDATION
FFE	FIRST FLOOR ELEVATION
GRAN	GRANITE
GTD	GRADE TO DRAIN
LA	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
TS	TOP OF SLOPE
TYP	TYPICAL
l l+:l:+.,	
Utility	
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
DCB	DOUBLE CATCH BASIN
DMH	DRAIN MANHOLE
CIP	CAST IRON PIPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
FES	FLARED END SECTION
FM	FORCE MAIN
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
GI	GUTTER INLET
GT	GREASE TRAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
НН	HANDHOLE
	HEADWALL
HW	
	HYDRANT
HYD	HYDRANT INVERT ELEVATION
HYD INV	
HW HYD INV I= LP	INVERT ELEVATION
HYD INV I=	INVERT ELEVATION
HYD INV I= LP	INVERT ELEVATION INVERT ELEVATION LIGHT POLE
HYD INV I= LP MES	INVERT ELEVATION INVERT ELEVATION LIGHT POLE METAL END SECTION

RIM ELEVATION

SEWER MANHOLE

UNDERGROUND

UTILITY POLE

REINFORCED CONCRETE PIPE

TAPPING SLEEVE, VALVE AND BOX

General

- 1. CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (811 OR 1-800-922-4455) AT LEAST 72 HOURS BEFORE EXCAVATING.
- 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.
- 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 NO COST TO OWNER.
- 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 CONSTRUCTION ACTIVITIES, EFFECTIVE DECEMBER 31, 2020 OR LATEST.
- 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.

Utilities

- 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.
- 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.

Demolition

- 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 WORK
- 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 STABILIZED TO PREVENT EROSION
- 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. BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY PLANS AND DEEDS OF RECORD AND MONUMENTS FOUND IN A SURVEY PREPARED BY NORTHEAST SURVEY CONSULTANTS DATED JANUARY 31, 2023.
- 2. TOPOGRAPHY: ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- 3. WETLANDS: WETLANDS WERE FIELD-DELINEATED BY VHB IN DECEMBER 2022 AND SUMMARIZED IN A REPORT DATED MARCH 2023.

Document Use

- 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.
- 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.
- 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 FEATURES.



100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300

GCE Winchester Solar

Spencer Hill Road Winchester, Connecticut

No.	Revision	Date	Appvd.
1	Revised Panel Layout	5/22/2024	SJK
2	Revised Electrical Layout	3/4/2025	SJK

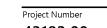
TJM SJK

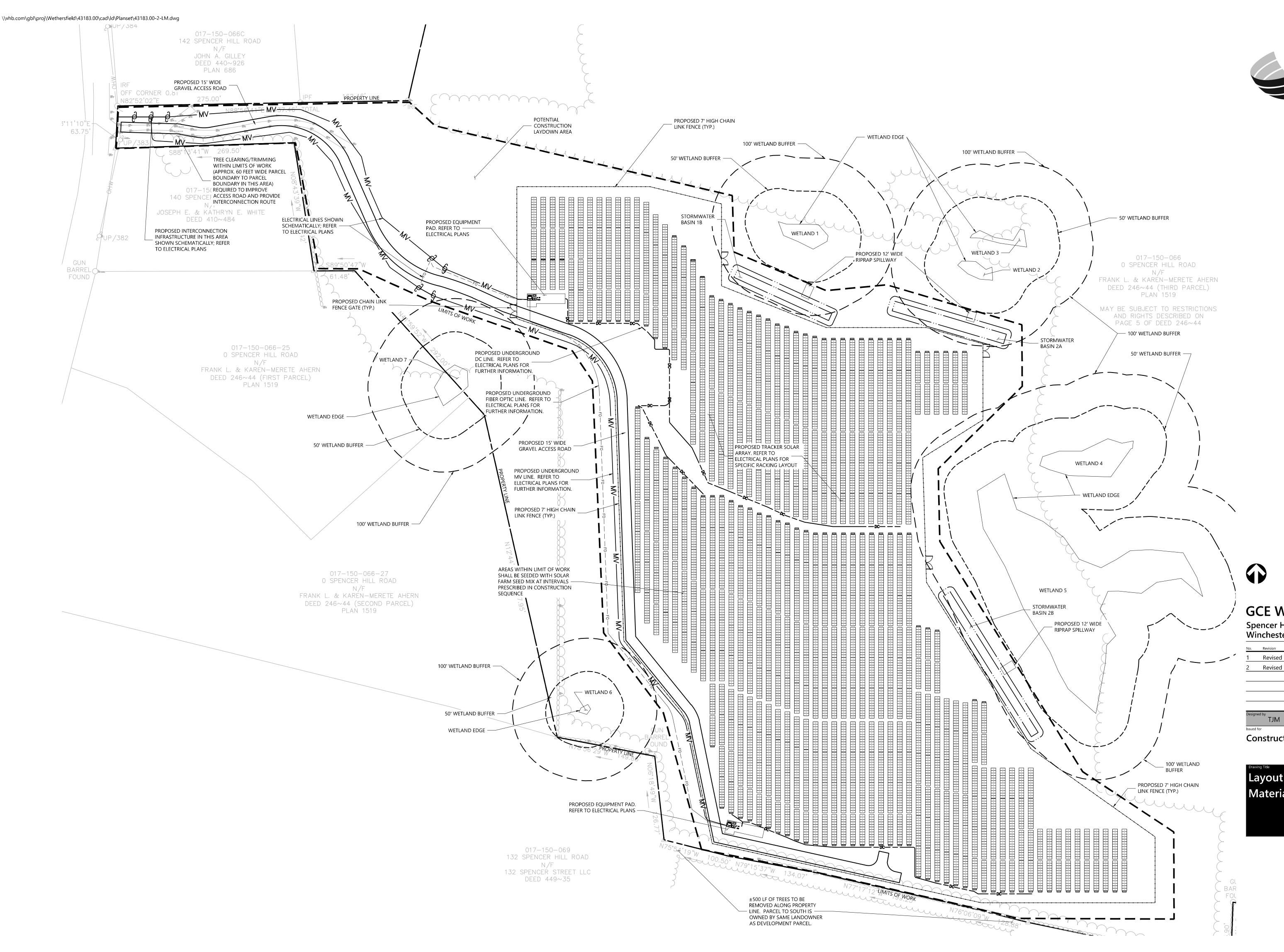
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Legend and
General Notes

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GCE Winchester Solar

Spencer Hill Road Winchester, Connecticut

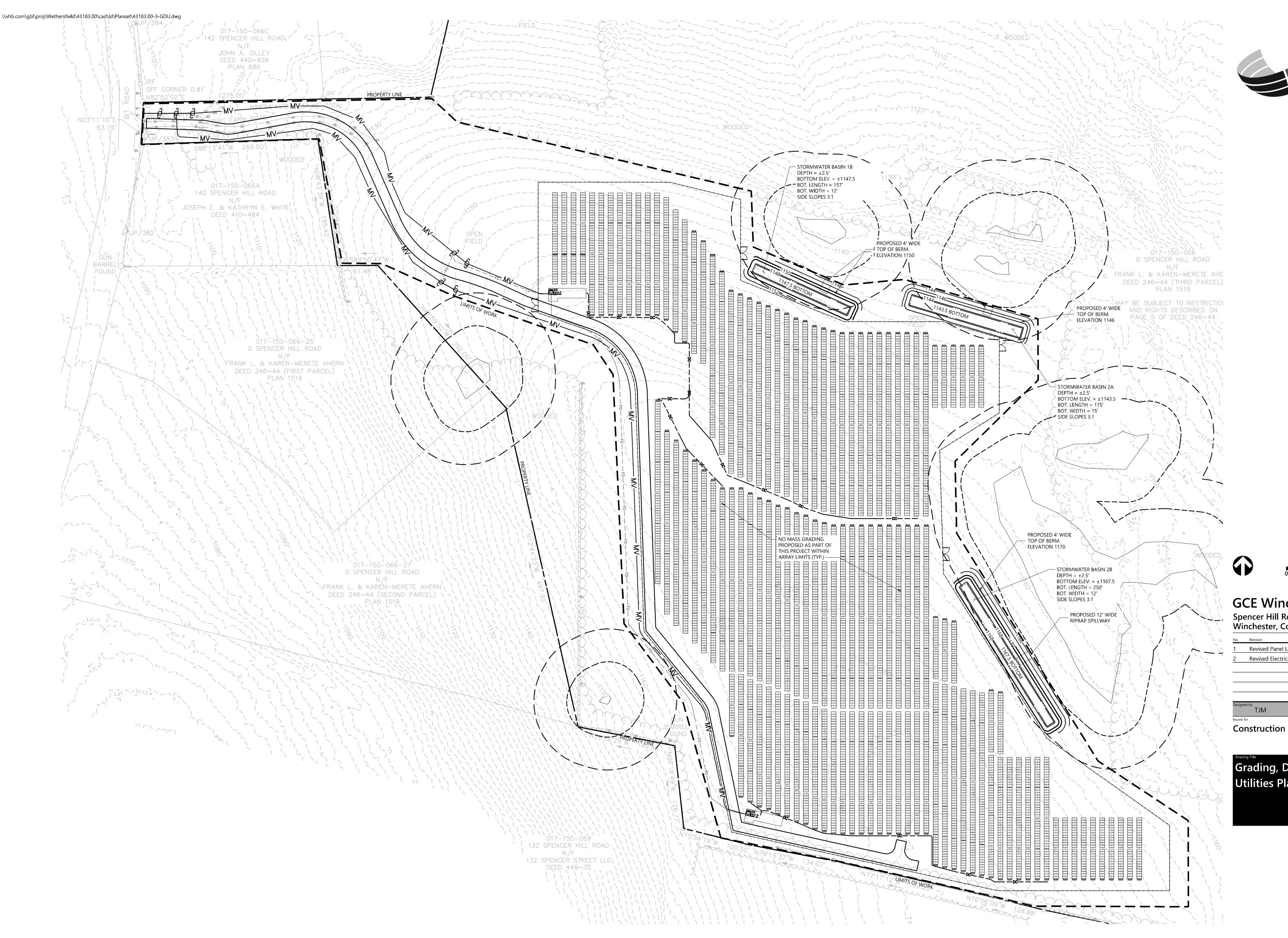
Revised Panel Layout	5/22/2024	SJK
Revised Electrical Layout	3/4/2025	SJK
-		

Designed by	Checked by	
TJM	SJK	
Issued for	Date	
Construction	September 19, 2023	

Construction

Layout and **Materials Plan**

43183.00





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Spencer Hill Road Winchester, Connecticut

Revised Panel Layout	5/22/2024	SJK
Revised Electrical Layout	3/4/2025	SJK

Designed by	Checked by
TJM	SJK
Issued for	Date

September 19, 2023

Grading, Drainage, and **Utilities Plan**

43183.00



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Spencer Hill Road Winchester, Connecticut

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signed by	Checked by
TJM	SJK
ued for	Date
·	Contombor 10, 2022

Construction September 19, 2023

Erosion and Sediment Control Plan

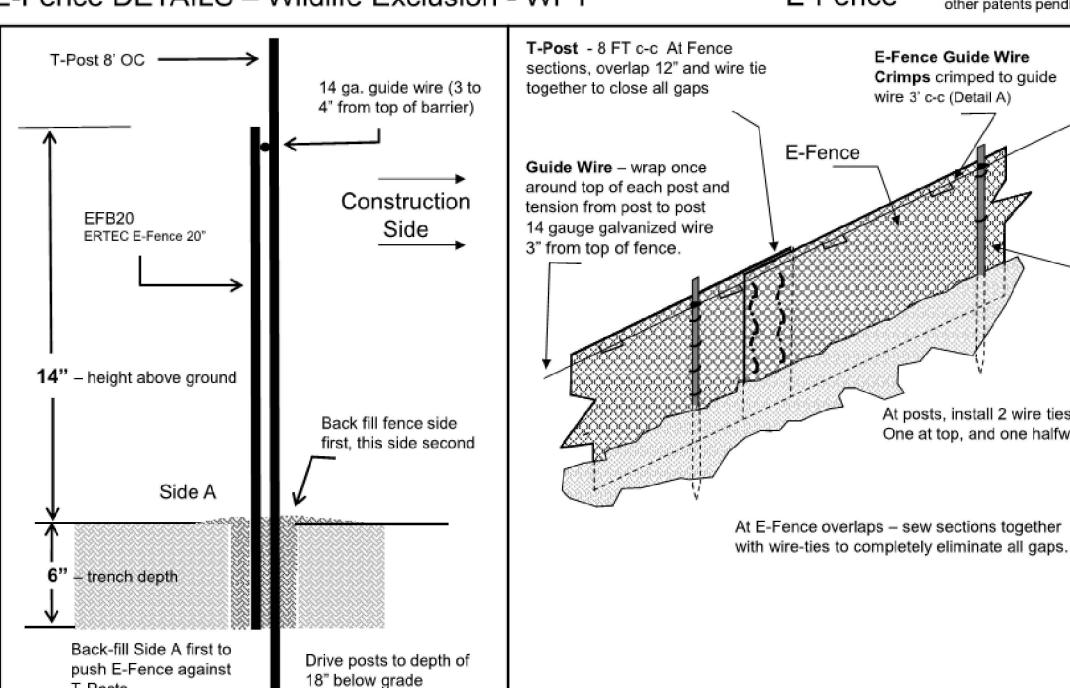
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Project Number 43183.00

E-Fence DETAILS – Wildlife Exclusion - WPT

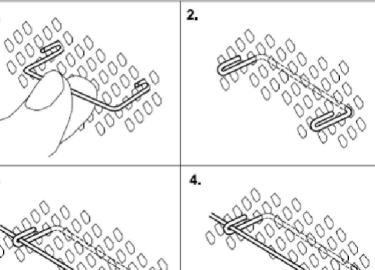
other patents pending)



Detall A: Installing E-Fence Wire Ties: At posts, install 2 wire ties. One at top, and one halfway.

E-Fence DETAILS – Guidewire Crimp

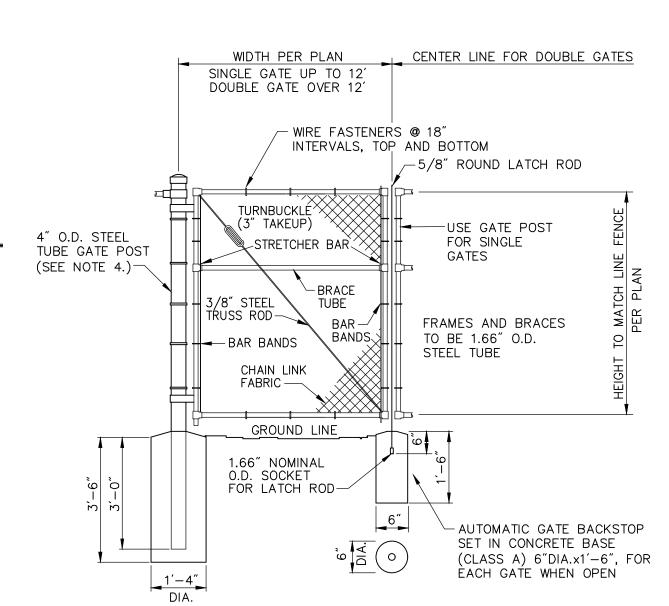
1). Push E-Fence tie through barrier. 2). Expose hooks on side near guide wire, 3), Insert guide wire, 4), Crimp tightly,



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.



Notes:

- 1. 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.

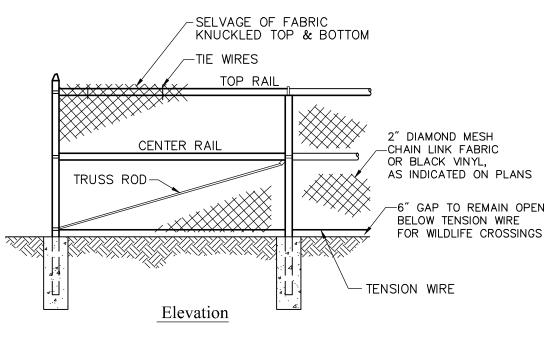
Chain Link Fence Gate

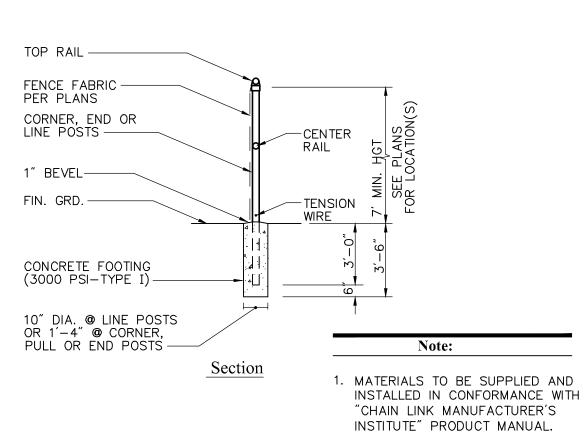
N.T.S. Source: VHB

E-Fence Installation Details

T-Posts

Source: Ertec Environmental Systems





7' Chain Link Fence 6/08 N.T.S. Source: VHB REV **LD_480**

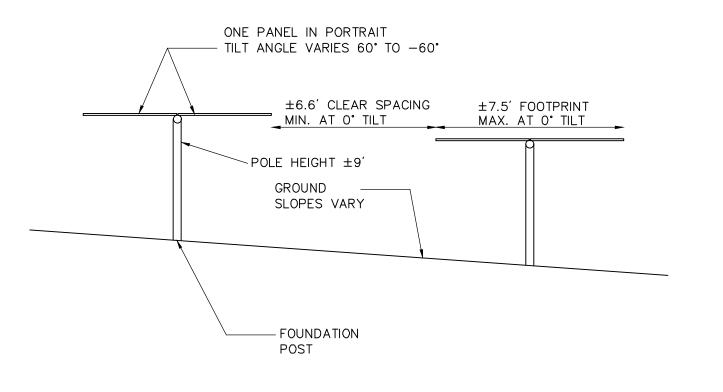


PHOTOVOLTAIC INSTALLATION Site Location: Spencer Hill Road, Winchester, CT Owner: Greenskies Clean Energy **IN CASE OF EMERGENCY CALL 911** WINCHESTER POLICE DEPARTMENT - (860) 379-2721

- 1. THE SITE FACILITY SIGN IS A DRAFT SHOWING THE MINIMUM AMOUNT OF INFORMATION THAT WILL BE PROVIDED. SIGN WILL BE 18" X 24".
- 2. ALL SIGNS WILL BE MOUNTED ONTO THE CHAIN LINK

N.T.S.

Danger and Site Facility Signs Cross Section of Tracking Panel Array Source: VHB N.T.S. Source: VHB



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.

GCE Winchester Solar

Spencer Hill Road Winchester, Connecticut

		2 3.10	
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100 Great Meadow Road

Wethersfield, CT 06109

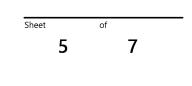
Suite 200

860.807.4300

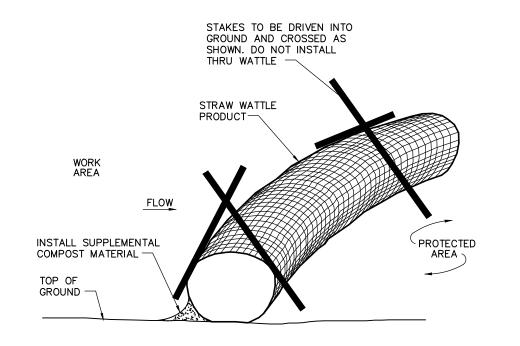
Designed by TJM	Checked by SJK
Issued for	Date
Construction	September 19, 2023

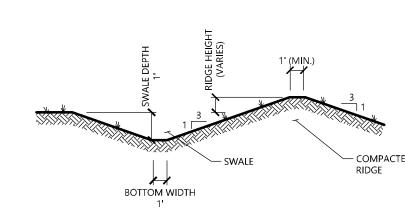
Construction





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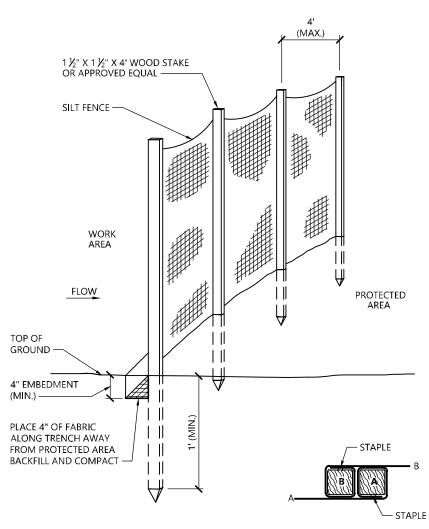
NOTE:

1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1

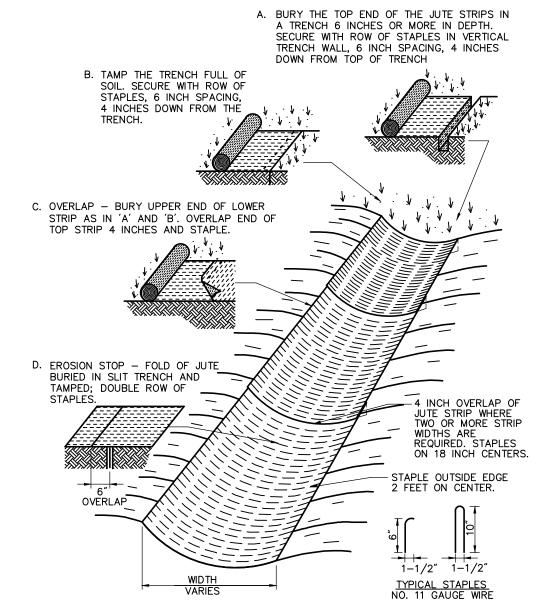
2. THE INTENT IS TO USE THE MATERIAL EXCAVATED FROM THE SWALE TO CONSTRUCT THE RIDGE.

Straw Wattle Installation

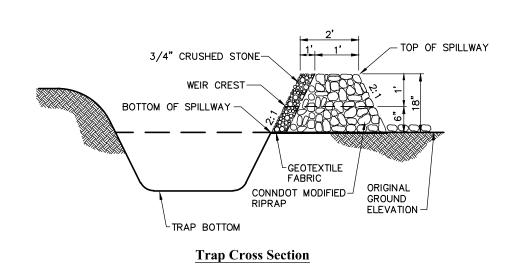
Diversion Swale	
N.T.S.	Source: VHB



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



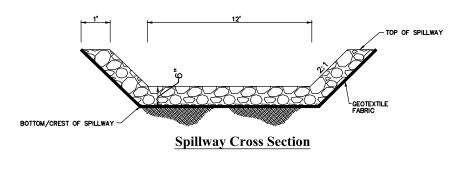




NOTE: 1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1 2. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY EROSION CONTROL BLANKETS OR AS DIRECTED

3. TRAP SHALL BE DRAINED AND CLEANED OF SEDIMENT ONCE SEDIMENT IS > 1' ABOVE TRAP BOTTOM.
4. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY AND REPLACED WITH E-FENCE.

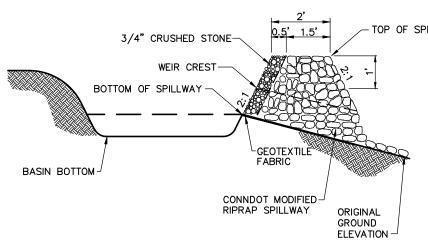
Sediment Trap (TST)	
N.T.S.	Sourc



1. ALL SIDE SLOPES SHALL NOT EXCEED 2:1
2. STONE FOR SPILLWAY LINING SHALL BE CONNDOT MODIFIED RIPRAP. 3. TOP OF EMBANKMENT SHALL BE 4' (MIN.) WIDTH. 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 REPLACED WITH E-FENCE.

Stormwater	Basin Spillway	
N.T.S.	Source: VHB	

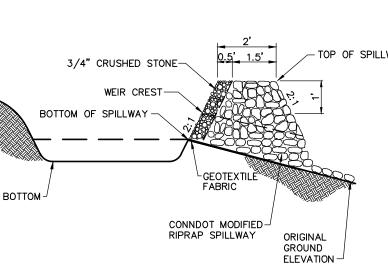


1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1 2. TOP OF EMBANKMENT SHALL BE 4' (MIN.) WIDTH.

Basin Cross Section

3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED EROSION CONTROL BLANKETS OR AS DIRECTED BY 4. REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING.
5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY AND REPLACED WITH E-FENCE.

Permanent	Stormwater	Basir

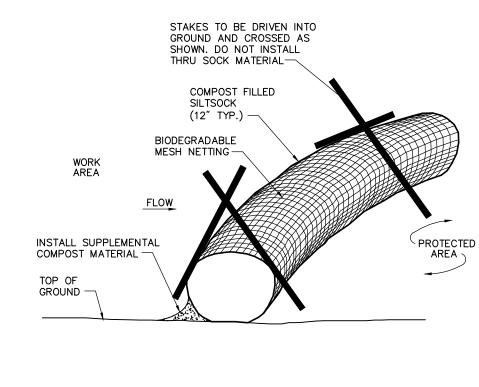


1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6"

NO. 11 GAUGE WIRE

- DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING. 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.

Erosion	Control	Blanket Slo	pe Installa	tion	
6.	EROSION CONT	ROL BLANKETS SHALL BE	USED IN ALL AREAS	WHERE SLOPES EXCEED 3	£1.



- 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.
- 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)

LD_680

N.T.S.

GCE Winchester Solar

Spencer Hill Road Winchester, Connecticut

No.	Revision	Date	Appvd.
1	Revised Panel Layout	5/22/2024	SJK
2	Revised Electrical Layout	3/4/2025	SJK

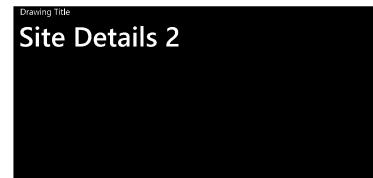
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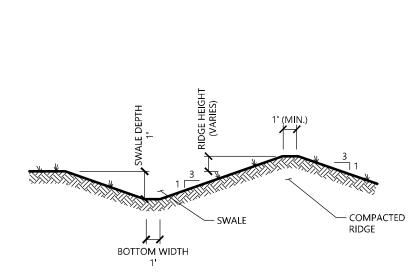
860.807.4300

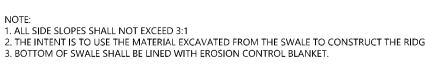
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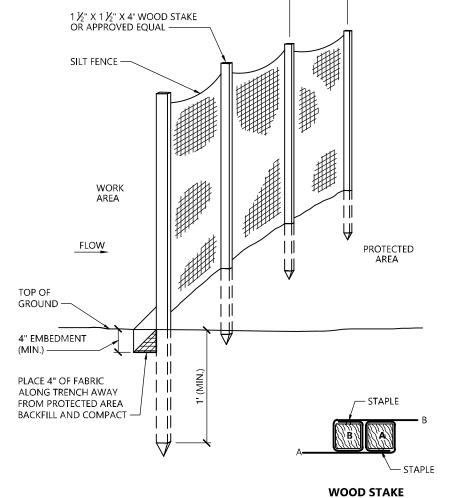




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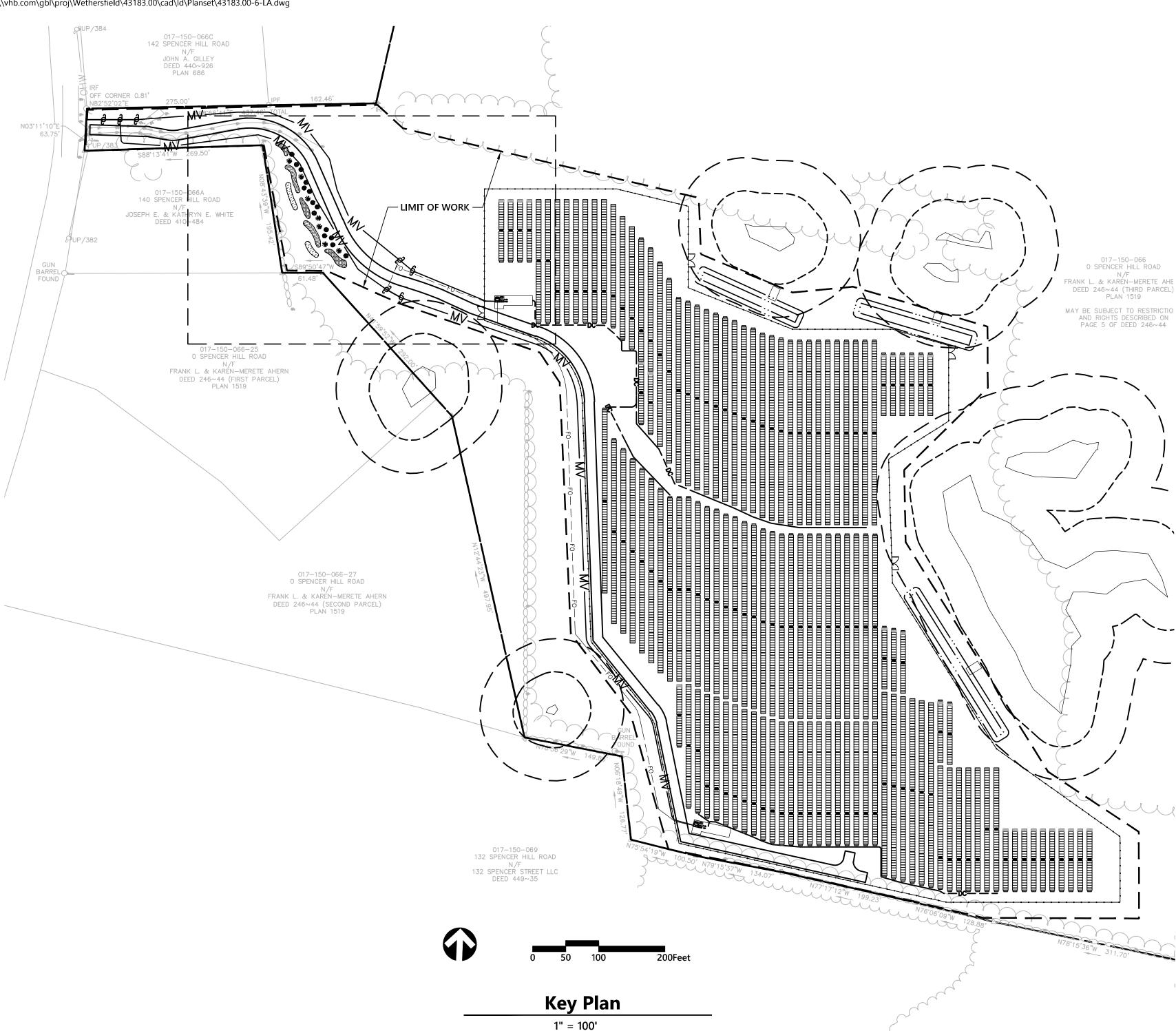






JOINT DETAIL

i ∕∕ STAPLES 12" 6" LOAM & SEED TYPICAL STAPLES



Planting Notes

- 1. ALL PROPOSED PLANTING LOCATIONS SHALL BE STAKED AS SHOWN ON THE PLANS FOR FIELD REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL BELOW GRADE AND ABOVE GROUND UTILITIES AND NOTIFY OWNERS REPRESENTATIVE OF CONFLICTS.
- 3. NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY CONFLICT.
- 4. A 3-INCH DEEP MULCH PER SPECIFICATION SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS, AND IN ALL PLANTING BEDS, UNLESS OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 5. ALL TREES SHALL BE BALLED AND BURLAPPED, UNLESS OTHERWISE NOTED IN THE DRAWINGS OR SPECIFICATION, OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- 6. FINAL QUANTITY FOR EACH PLANT TYPE SHALL BE AS GRAPHICALLY SHOWN ON THE PLAN. THIS NUMBER SHALL TAKE PRECEDENCE IN CASE OF ANY DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND ON THE PLAN. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLANT LIST AND PLANT LABELS PRIOR TO BIDDING.
- 7. ANY PROPOSED PLANT SUBSTITUTIONS MUST BE REVIEWED BY LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.

- ALL PLANT MATERIALS INSTALLED SHALL MEET THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND CONTRACT DOCUMENTS.
- 9. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
- 10. AREAS DESIGNATED "LOAM & SEED" SHALL RECEIVE MINIMUM 6" OF LOAM AND SPECIFIED SEED MIX. LAWNS OVER 2:1 SLOPE SHALL BE PROTECTED WITH EROSION CONTROL FABRIC.
- 11. ALL DISTURBED AREAS NOT OTHERWISE NOTED ON CONTRACT DOCUMENTS SHALL BE LOAM AND SEEDED OR MULCHED AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 12. THIS PLAN IS INTENDED FOR PLANTING PURPOSES. REFER TO SITE / CIVIL DRAWINGS FOR ALL OTHER SITE CONSTRUCTION INFORMATION.

Tree Protection

- 1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY CONSTRUCTION FENCE. ERECT FENCE AT EDGE OF THE TREE DRIPLINE PRIOR TO START OF CONSTRUCTION.
- 2. CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS, OR DISPOSE OF ANY WASTE MATERIALS, WITHIN THE TREE PROTECTION AREA.
- DAMAGE TO EXISTING TREES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY A CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.

Plant Maintenance Notes

- 1. CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE OF THE LAWNS AND PLANTINGS. NO IRRIGATION IS PROPOSED FOR THIS SITE. THE CONTRACTOR SHALL SUPPLY SUPPLEMENTAL WATERING FOR NEW LAWNS AND PLANTINGS DURING THE ONE YEAR PLANT GUARANTEE PERIOD.
- 2. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR THE COMPLETE LANDSCAPE MAINTENANCE WORK. WATER SHALL BE PROVIDED BY THE CONTRACTOR.
- 3. WATERING SHALL BE REQUIRED DURING THE GROWING SEASON, WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK.
- 4. WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE ROOT ZONE OF EACH PLANT.
- 5. CONTRACTOR SHALL REPLACE DEAD OR DYING PLANTS AT THE END OF THE ONE YEAR GUARANTEE PERIOD. CONTRACTOR SHALL TURN OVER MAINTENANCE TO THE FACILITY MAINTENANCE STAFF AT THAT TIME.

PLANT SCHEDULE

CODE	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	SIZE
EVERG	REEN TI	REES		
PS	7	Pinus strobus	White Pine	5 - 6` HT.
TP	14	Thuja plicata	Western Red Cedar	5 - 6` HT.
SHRUB	AREAS			
ĪG	16	- Ilex glabra	Inkberry Holly	2 - 3` HT
IA	12	llex opaca	American Holly	3 - 4 HT.

Blue Holly

llex x meserveae

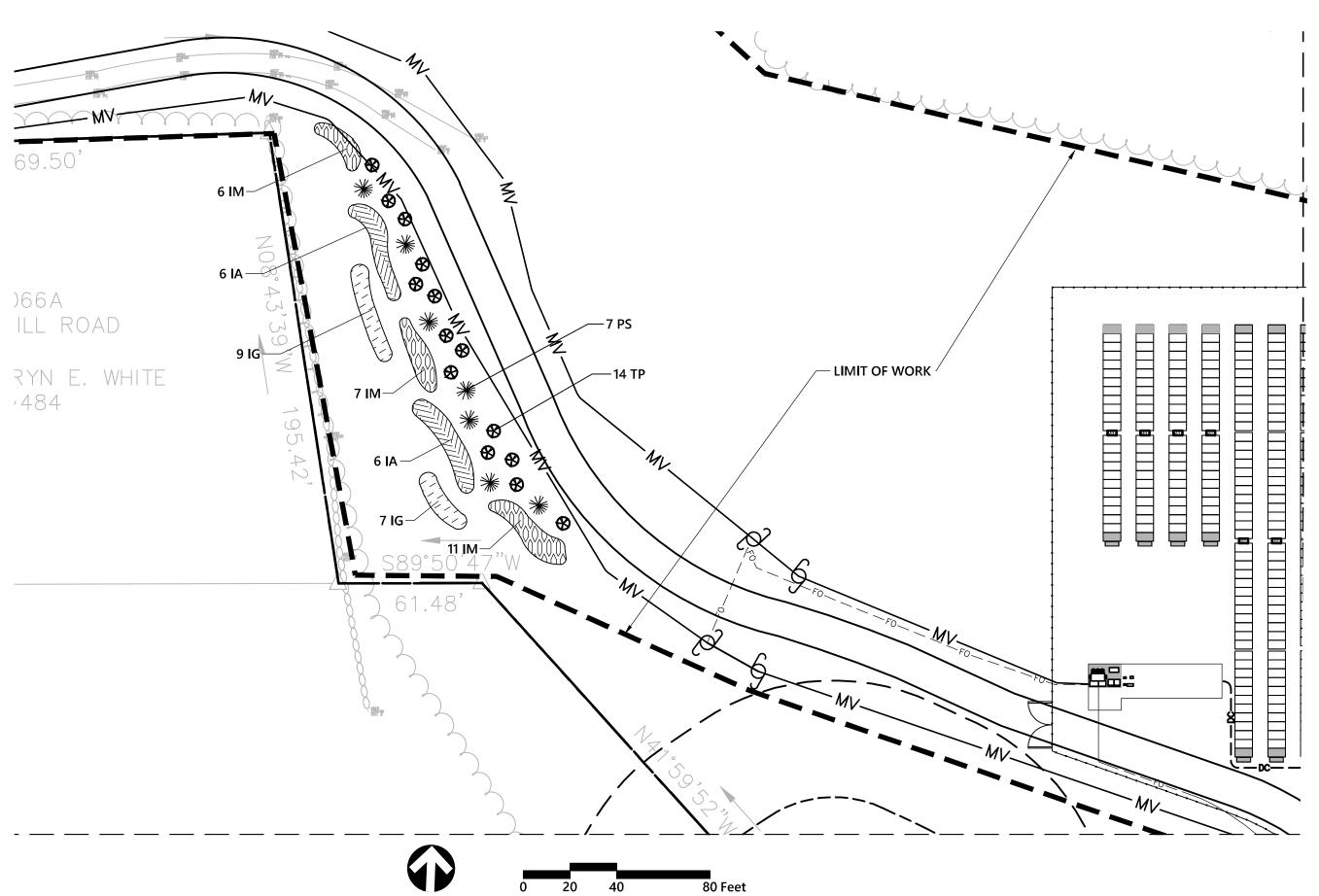
3 - 4 HT.

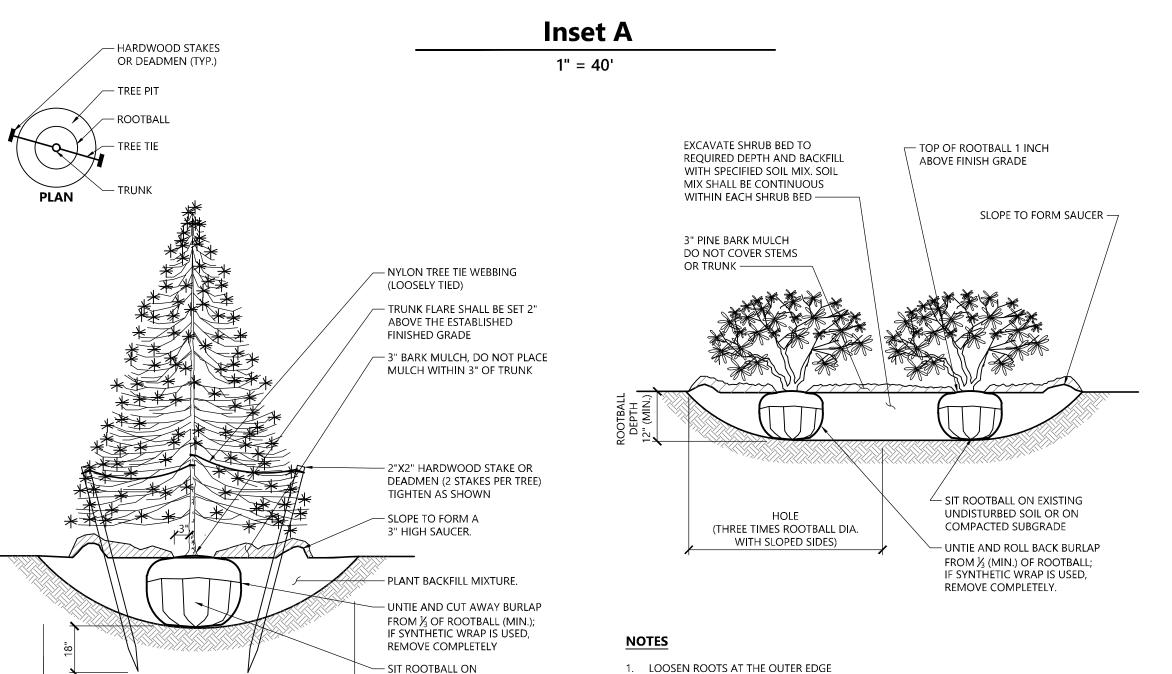
1. SEEDING RATE TO BE 6 LB PER 1,000 SF. SEED MIX TO BE ERNMX-186 "SOLAR FARM SEED MIX" AS MANUFACTURED BY ERNST CONSERVATION SEEDS, 8884 MERCER PIKE, MEADVILLE PA, 16335 (800) 873-3321, OR APPROVED EQUAL.

2. ADD POLLINATOR SEED MIX TO SOLAR FARM MIX AT A RATE OF 10 PARTS SOLAR FILED MIX TO 1 PART POLLINATOR MIX. POLLINATOR SEED MIX TO BE "POLLINATOR HABITAT FOR MEDIUM SOILS SEED MIX", AS MANUFACTURED BY PRAIRIE NURSERY, INC. P.O. BOX 306, WESTFIELD, WI 53964, 1-800-476-9453, www.prairienursery.com OR AN APPROVED EQUAL



Suite 200 Wethersfield, CT 06109 860.807.4300





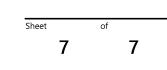
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Spencer Hill Road Winchester, Connecticut

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Shrub Bed Planting Evergreen Tree Planting LD_604 Source: VHB Source: VHB LD_601

OF ROOTBALL OF CONTAINER

GROWN SHRUBS.

EXISTING UNDISTURBED SOIL

HOLE - THREE TIMES ROOTBALL DIAMETER

WITH SLOPED SIDES

OR ON COMPACTED SUBGRADE

