# Site Plans

Issued for Application

Date Issued May 29, 2020

Latest Issue August 17, 2020

# Photovoltaic Installation

227 Boombridge Road North Stonington, Connecticut

# **Applicant**

Greenskies Clean Energy, LLC 180 Johnson Street Middletown, CT 06457

## Map / Lot:

119-0928

## Owner

Lewis Brothers Partnership 273 Boombridge Road North Stonington, CT 06359

## Map / Lot:

119-6313

### Owner

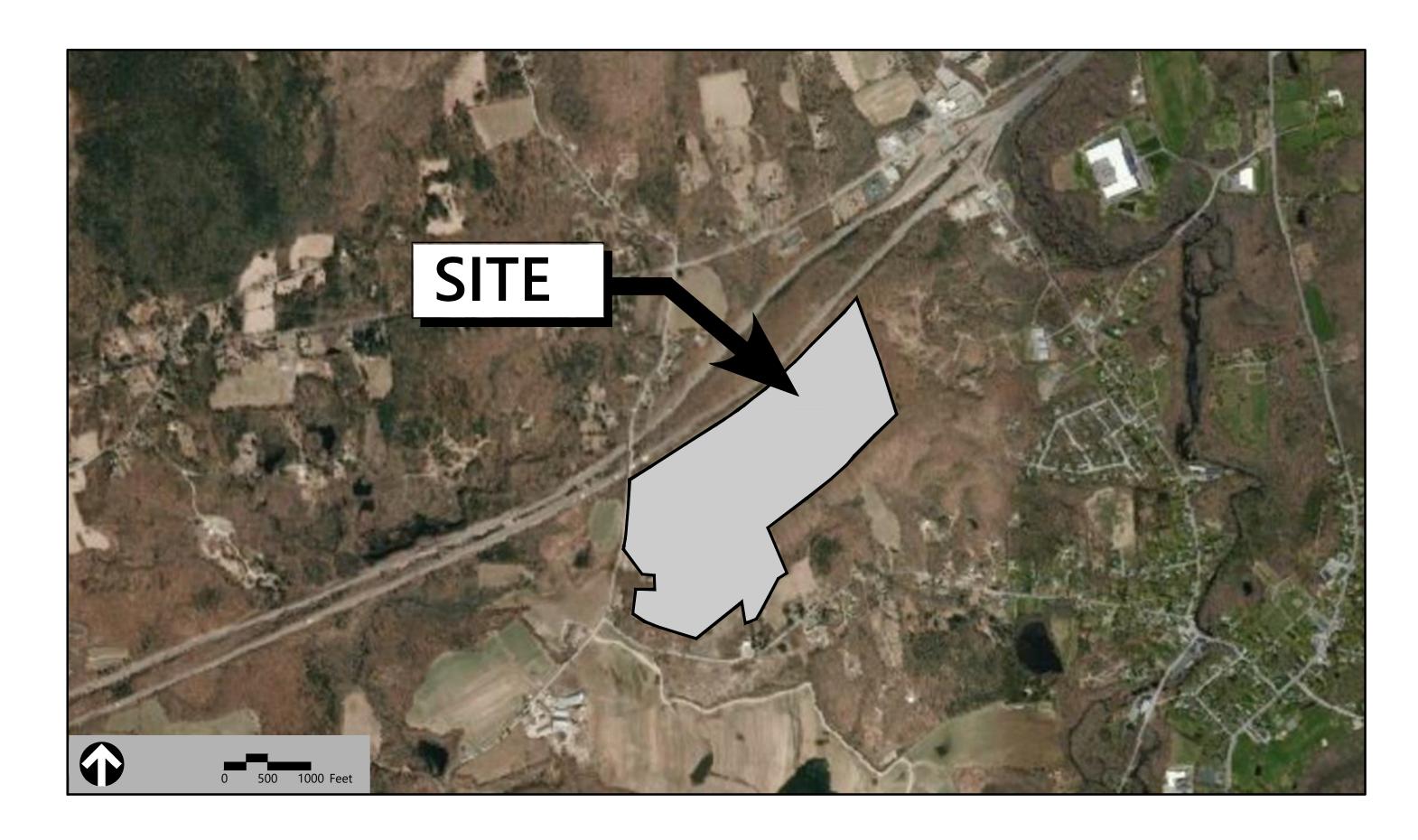
Lewis David Babcock LLC 273 Boombridge Road North Stonington, CT 06359

# Map / Lot:

119-7862

### Owner

Lewis Ledyard 233 Boombridge Road North Stonington, CT 06359





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C-1 C-2 C-3.0 C-3.1-3.2 C-4.0 C-4.1-4.2 C-5.0 C-5.1-5.2 C-6.1-6.2	Legend and General Notes Key Plan Layout and Materials Plan - Overall Layout and Materials Plan 1 thru 2 Grading and Drainage Plan - Overall Grading and Drainage Plan 1 thru 2 Erosion and Sediment Control Plan - Overall Erosion and Sediment Control Plan 1 thru 2 Site Details	August 17, 2020 August 17, 2020

	Refe	erence Drawings	
ıe	No.	Drawing Title	Latest Issue
20	Sheets 1	& 2 Property Survey	December 10, 2019

Leg	end
	Ex

Exist.	Prop.		Exist.	Prop.	
		PROPERTY LINE			CONCRETE
		PROJECT LIMIT LINE			HEAVY DUTY PAVEMENT
		RIGHT-OF-WAY/PROPERTY LINE			BUILDINGS
- — —		EASEMENT			RIPRAP
		BUILDING SETBACK			CONSTRUCTION EXIT
		PARKING SETBACK		V/09/V/09/I	
10+00	10+00	BASELINE	27.35 TC×	27.35 TC×	TOP OF CURB ELEVATION
1			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	-	<b>+</b>	BORING LOCATION
		LIMIT OF DISTURBANCE		Ė	TEST PIT LOCATION
<u>&amp;</u>		WETLAND LINE WITH FLAG	<b>⊝</b> MW	→ MW	MONITORING WELL
		FLOODPLAIN			
		100-YEAR FLOOD LIMITS	——UD ——	——UD ——	UNDERDRAIN
		TOO TEXAKTEGOD EIWITS	12"D	12″D→	DRAIN
		GRAVEL ROAD	6*RD	6″RD—►	ROOF DRAIN
		EDGE OF PAVEMENT	12"S	12"S	SEWER
BB	BB		FM	<u>FM</u>	FORCE MAIN
BC	BC	BITUMINOUS BERM	——ОНW——	——ОНW——	OVERHEAD WIRE
CC		BITUMINOUS CURB	6"W	6 <b>"</b> W	WATER
<u> </u>	CC CG	CONCRETE CURB	4*FP	4*FP	FIRE PROTECTION
		CURB AND GUTTER		2*DW	DOMESTIC WATER
CC	<u>ECC</u>	EXTRUDED CONCRETE CURB	3"G	G	GAS
CC	<u>MCC</u>	MONOLITHIC CONCRETE CURB	——F——	——E——	ELECTRIC
CC	PCC	PRECAST CONC. CURB	STM	STM	STEAM
SGE	SGE	SLOPED GRAN. EDGING	T	T	
VGC	VGC	VERT. GRAN. CURB			TELEPHONE
		LIMIT OF CURB TYPE	——FA——	——FA——	FIRE ALARM
		SAWCUT		—— CATV——	CABLE TV
	<u> </u>			<b>III</b>	CATCH BASIN
(1/1/1/1/		BUILDING			DOUBLE CATCH BASIN
](	<b>]</b> ⊲EN	BUILDING ENTRANCE		<del></del>	GUTTER INLET
3		LOADING DOCK	<b>(D)</b>	•	DRAIN MANHOLE
<b>→</b>	•	BOLLARD	=TD=	<del></del>	TRENCH DRAIN
D	D	DUMPSTER PAD	Γ	τ	PLUG OR CAP
-	<u>→</u>	SIGN	СО	co	CLEANOUT
<u> </u>	• <b>=</b>	DOUBLE SIGN	•	•	FLARED END SECTION
		DOODLE SIGN	-		
1 1		STEEL GUARDRAIL			HEADWALL
		WOOD GUARDRAIL	\$	•	SEWER MANHOLE
			CS ©	CS ●	CURB STOP & BOX
		PATH	WV	WV	WATER VALVE & BOX
$\sim$		TREE LINE	TSV	TSV	TAPPING SLEEVE, VALVE & BOX
×	<del>-××-</del>	WIRE FENCE	47	<b>→</b>	
····		FENCE	HYD	HYD	SIAMESE CONNECTION
	-	STOCKADE FENCE	WM	<b>(⊚)</b> WM	FIRE HYDRANT
	.000000	STONE WALL	□ PIV	⊡ PIV	WATER METER
000000			<b>(</b> )	•	POST INDICATOR VALVE
000000		RETAINING WALL		(() ( ) ()	WATER WELL
		RETAINING WALL  STREAM / POND / WATER COURSE		<b>(</b> ()	
		STREAM / POND / WATER COURSE	GG		GAS GATE
		STREAM / POND / WATER COURSE DETENTION BASIN			
		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES	GG ○ GM	GG O GM EI	GAS GATE GAS METER
X—————————————————————————————————		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES SILT FENCE	GG GM □	GG C GM EI	GAS GATE GAS METER ELECTRIC MANHOLE
X—————————————————————————————————		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES	GG GM :	GG GM □ EMH EM	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER
-XXX		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES SILT FENCE	GG GM □	GG GM ⊡ EMH EM	GAS GATE GAS METER ELECTRIC MANHOLE
		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE	GG GM :	GG GM □ EMH EM	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER
		STREAM / POND / WATER COURSE  DETENTION BASIN  HAY BALES  SILT FENCE  SILT SOCK / STRAW WATTLE  MINOR CONTOUR  MAJOR CONTOUR	GG GM □ EM	GG GM ⊡ EMH EM	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE
		STREAM / POND / WATER COURSE  DETENTION BASIN  HAY BALES  SILT FENCE  SILT SOCK / STRAW WATTLE  MINOR CONTOUR  MAJOR CONTOUR  PARKING COUNT	GG GM □ EM □	GG GM EMH EM □	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD
		STREAM / POND / WATER COURSE  DETENTION BASIN  HAY BALES  SILT FENCE  SILT SOCK / STRAW WATTLE  MINOR CONTOUR  MAJOR CONTOUR	GG GM □ EN □	GG GM EMH EM □	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE
		STREAM / POND / WATER COURSE  DETENTION BASIN  HAY BALES  SILT FENCE  SILT SOCK / STRAW WATTLE  MINOR CONTOUR  MAJOR CONTOUR  PARKING COUNT	GG GM □ EM □	GG GM EMH EM □	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD
		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE  MINOR CONTOUR MAJOR CONTOUR  PARKING COUNT COMPACT PARKING STALLS	GG GM □ EM □  T ←	GG GM EMH EM TMH	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD  UTILITY POLE
		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE  MINOR CONTOUR MAJOR CONTOUR  PARKING COUNT COMPACT PARKING STALLS DOUBLE YELLOW LINE STOP LINE	GG GM □  E M □  T ← ← ← ← HH □	GG GM EMH EM TMH	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD  UTILITY POLE GUY POLE
		STREAM / POND / WATER COURSE DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE  MINOR CONTOUR MAJOR CONTOUR  PARKING COUNT COMPACT PARKING STALLS DOUBLE YELLOW LINE	GG GM □  E EM □  T ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←	GG GM EMH EM TMH	GAS GATE GAS METER  ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD  UTILITY POLE GUY POLE GUY WIRE & ANCHOR

VAN-ACCESSIBLE PARKING

**Abbreviations** 

	Appreviations
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
	TYPICAL
Utility  CB	TYPICAL  CATCH BASIN
Utility	CATCH BASIN
Utility  CB  CMP	CATCH BASIN  CORRUGATED METAL PIPE
Utility  CB  CMP  CO	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT
CB CMP CO DCB	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN
CB CMP CO DCB DMH	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE
CB CMP CO DCB DMH CIP	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE
CB CMP CO DCB DMH CIP COND	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT
CB CMP CO DCB DMH CIP COND	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE
CB CMP CO DCB DMH CIP COND DIP FES	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION
CB CMP CO DCB DMH CIP COND DIP FES FM	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN
CB CMP CO DCB DMH CIP COND DIP FES FM F&G	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE
CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER
CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C GI	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET
CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C GI GT	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP
CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C GI GT HDPE	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE
CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C GI GT HDPE HH	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE  HANDHOLE
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW	CATCH BASIN CORRUGATED METAL PIPE CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD	CATCH BASIN CORRUGATED METAL PIPE CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW	CATCH BASIN CORRUGATED METAL PIPE CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL
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CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE  HANDHOLE  HEADWALL  HYDRANT  INVERT ELEVATION
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GT HDPE HH HW HYD INV	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE  HANDHOLE  HEADWALL  HYDRANT  INVERT ELEVATION
CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C GI GT HDPE HH HW HYD INV I=	CATCH BASIN CORRUGATED METAL PIPE CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION LIGHT POLE
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES	CATCH BASIN CORRUGATED METAL PIPE CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION LIGHT POLE METAL END SECTION
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES PIV	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE  HANDHOLE  HEADWALL  HYDRANT  INVERT ELEVATION  LIGHT POLE  METAL END SECTION  POST INDICATOR VALVE
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES PIV PWW	CATCH BASIN CORRUGATED METAL PIPE CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GI GT HDPE HH HW HYD INV I= LP MES PIV PWW PVC	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE  HANDHOLE  HEADWALL  HYDRANT  INVERT ELEVATION  LIGHT POLE  METAL END SECTION  POST INDICATOR VALVE  PAVED WATER WAY  POLYVINYLCHLORIDE PIPE
CB CMP CO DCB DMH CIP COND DIP FES FM F&G GT HDPE HH HW HYD INV I= LP MES PIV PWW PVC RCP	CATCH BASIN CORRUGATED METAL PIPE CLEANOUT DOUBLE CATCH BASIN DRAIN MANHOLE CAST IRON PIPE CONDUIT DUCTILE IRON PIPE FLARED END SECTION FORCE MAIN FRAME AND GRATE FRAME AND COVER GUTTER INLET GREASE TRAP HIGH DENSITY POLYETHYLENE PIPE HANDHOLE HEADWALL HYDRANT INVERT ELEVATION LIGHT POLE METAL END SECTION POST INDICATOR VALVE PAVED WATER WAY POLYVINYLCHLORIDE PIPE REINFORCED CONCRETE PIPE
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CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C GI GT HDPE HH HW HYD INV I= LP MES PIV PWW PVC RCP R= SMH	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE  HANDHOLE  HEADWALL  HYDRANT  INVERT ELEVATION  INVERT ELEVATION  LIGHT POLE  METAL END SECTION  POST INDICATOR VALVE  PAVED WATER WAY  POLYVINYLCHLORIDE PIPE  REINFORCED CONCRETE PIPE  RIM ELEVATION  SEWER MANHOLE
CB CMP CO DCB DMH CIP COND DIP FES FM F&G F&C GI GT HDPE HH HW HYD INV I= LP MES PIV PWW PVC RCP R= SMH TSV	CATCH BASIN  CORRUGATED METAL PIPE  CLEANOUT  DOUBLE CATCH BASIN  DRAIN MANHOLE  CAST IRON PIPE  CONDUIT  DUCTILE IRON PIPE  FLARED END SECTION  FORCE MAIN  FRAME AND GRATE  FRAME AND COVER  GUTTER INLET  GREASE TRAP  HIGH DENSITY POLYETHYLENE PIPE  HANDHOLE  HEADWALL  HYDRANT  INVERT ELEVATION  LIGHT POLE  METAL END SECTION  POST INDICATOR VALVE  PAVED WATER WAY  POLYVINYLCHLORIDE PIPE  RIM ELEVATION  SEWER MANHOLE  TAPPING SLEEVE, VALVE AND BOX

Notes

- 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 FIVE ACRES 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 OCTOBER 1, 2019.
- 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.

- 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.

- 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.

- 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 OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED
- 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.
- 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 FIELD SURVEY CONDUCTED BY RTK GPS. THE TOPOGRAPHY IS BASED ON A DIGITAL ELEVATION MODELS OF THE 2016 CRCOG LIDAR DATA DISTRIBUTED BY NOAA. THE BOUNDARY LINES ARE BASED ON
- 2. TOPOGRAPHY: ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.

- 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 FEATURES.



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# **Photovoltaic Installation**

227 Boombridge Road North Stonington, Connecticut

No. Revision

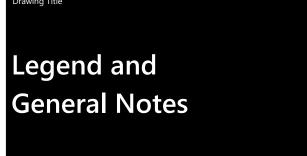
CSC Comments

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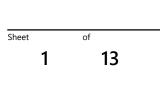
8/17/2020 SJK

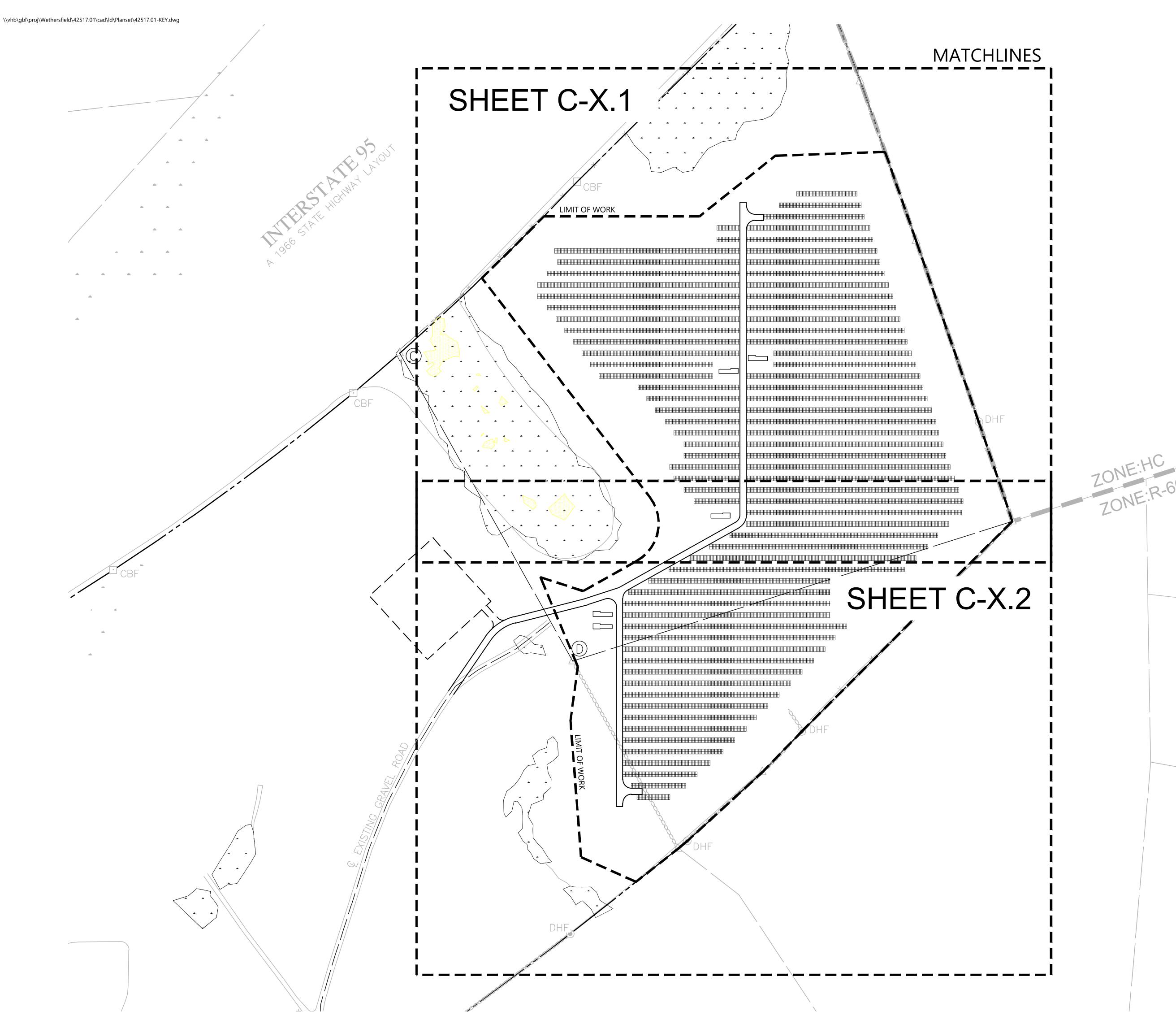
**Application** May 29, 2020

**Not Approved for Construction** 

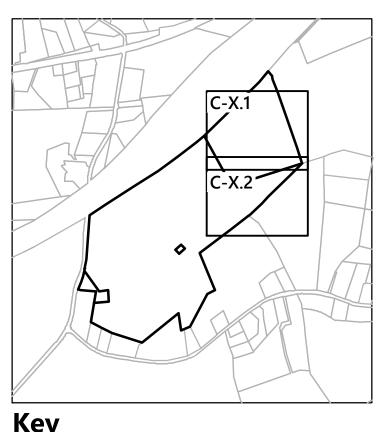


Drawing Number

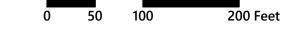








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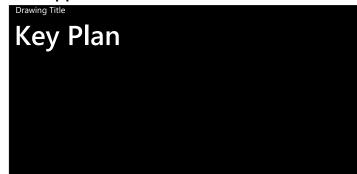
## Photovoltaic Installation

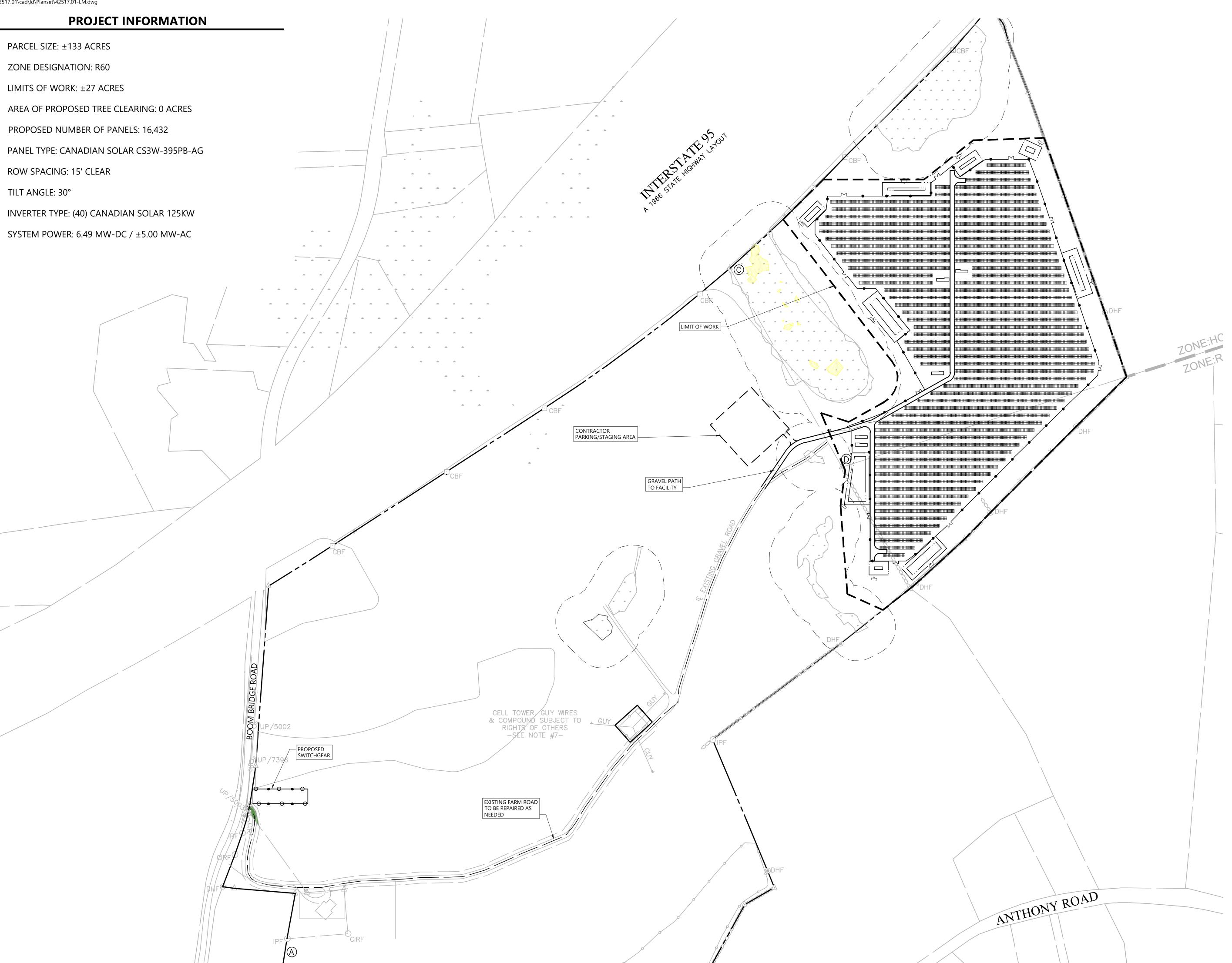
227 Boombridge Road North Stonington, Connecticut

8/17/2020 SJK CSC Comments

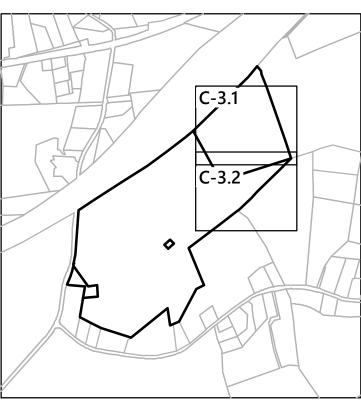
May 29, 2020 **Application** 

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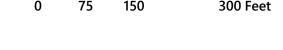






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# **Photovoltaic Installation**

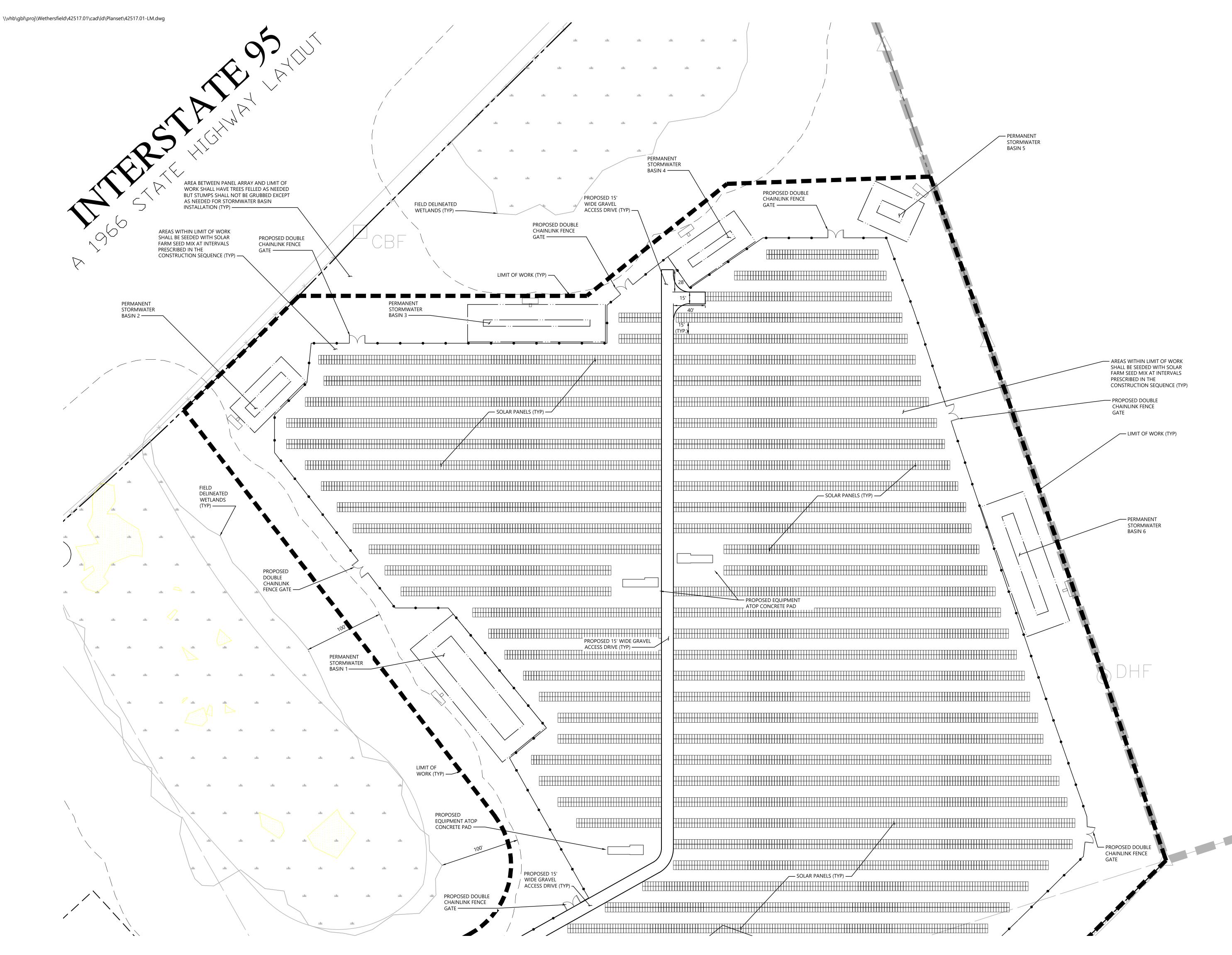
227 Boombridge Road North Stonington, Connecticut

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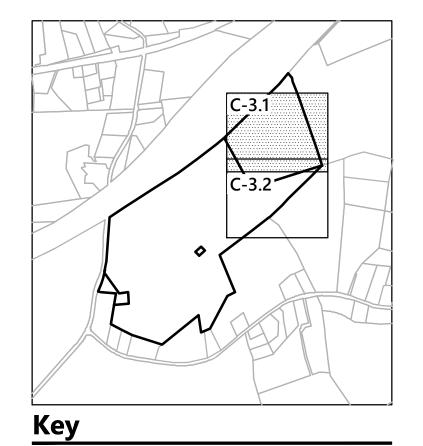
KJT May 29, 2020 **Application** 

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Layout and **Materials Plan - Overall** 

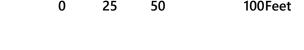






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# Photovoltaic Installation

227 Boombridge Road North Stonington, Connecticut

No.	Revision	Date	Appvd.
1	CSC Comments	8/17/2020	SJK

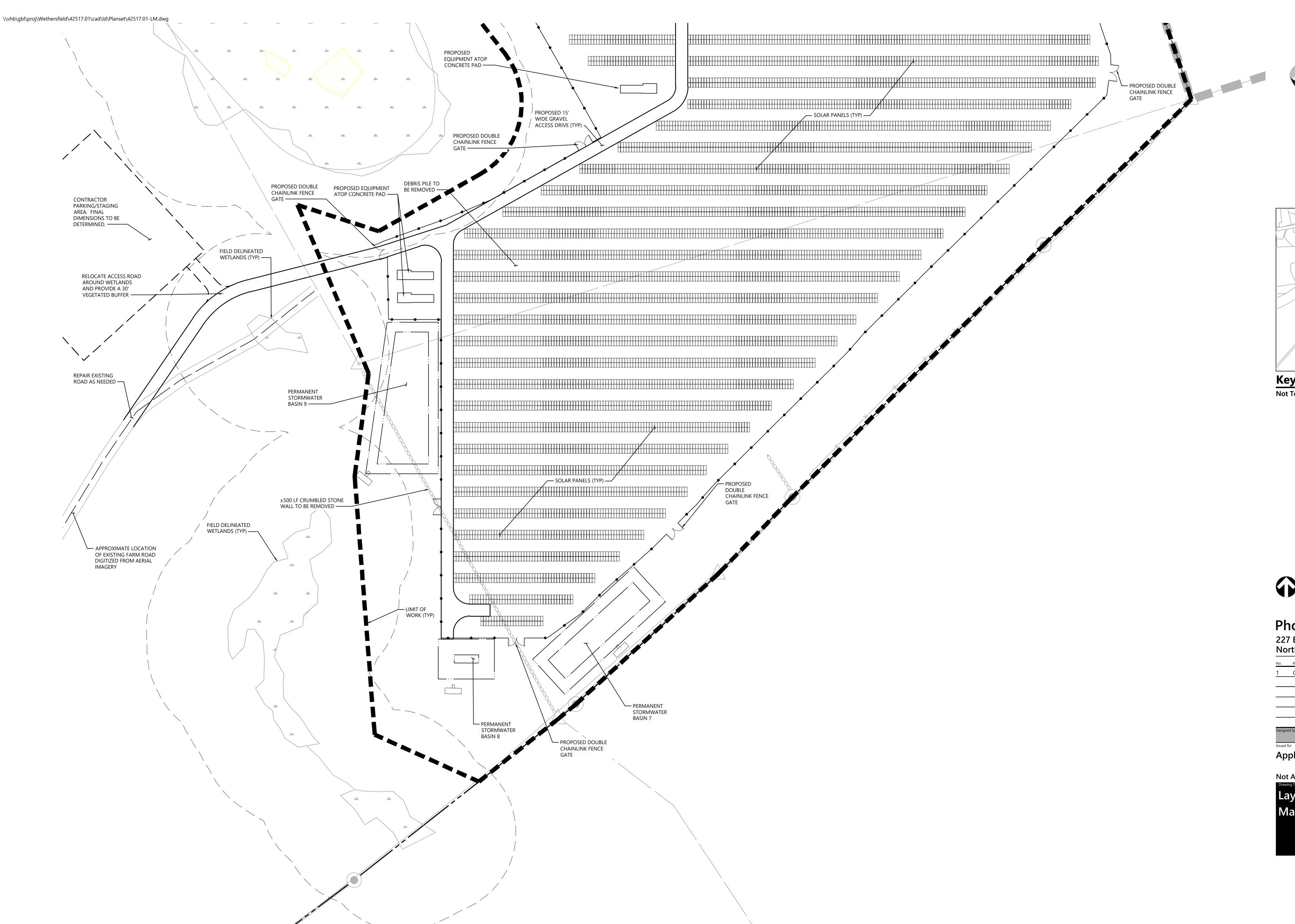
Application	May 29, 2020
Issued for	Date
KJT	SJK
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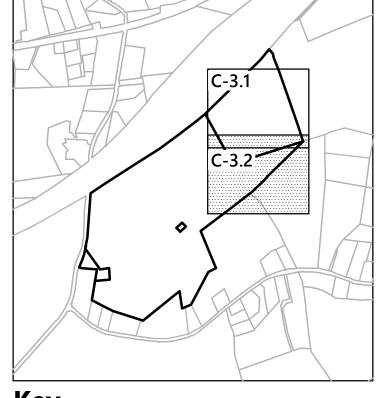
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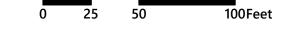
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## **Photovoltaic Installation**

227 Boombridge Road North Stonington, Connecticut

CSC Comments 8/17/2020 SJK

KJT May 29, 2020 **Application** 

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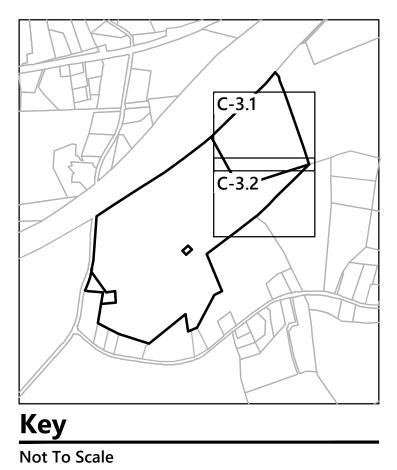
Layout and

**Materials Plan** 





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# Photovoltaic Installation

227 Boombridge Road North Stonington, Connecticut

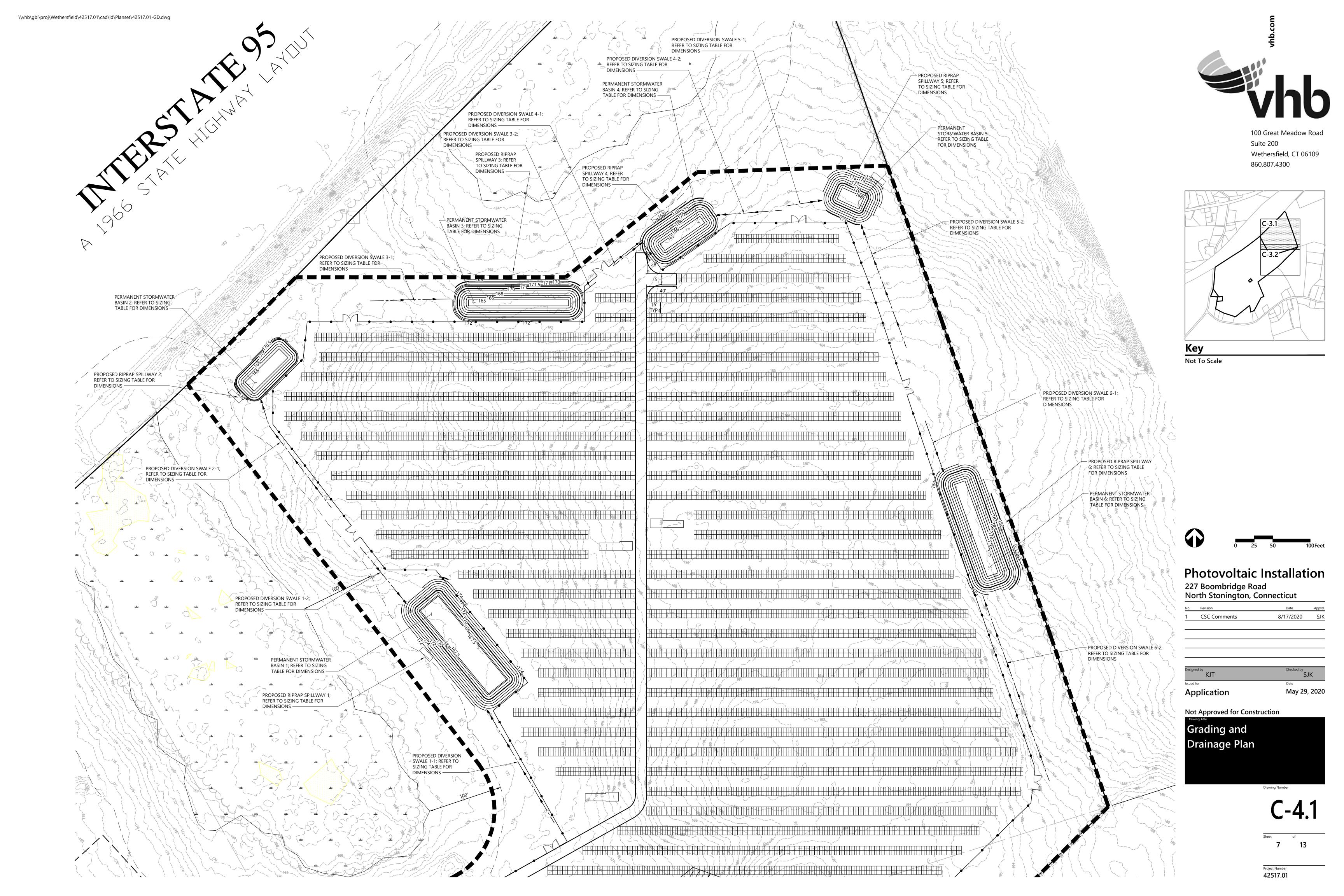
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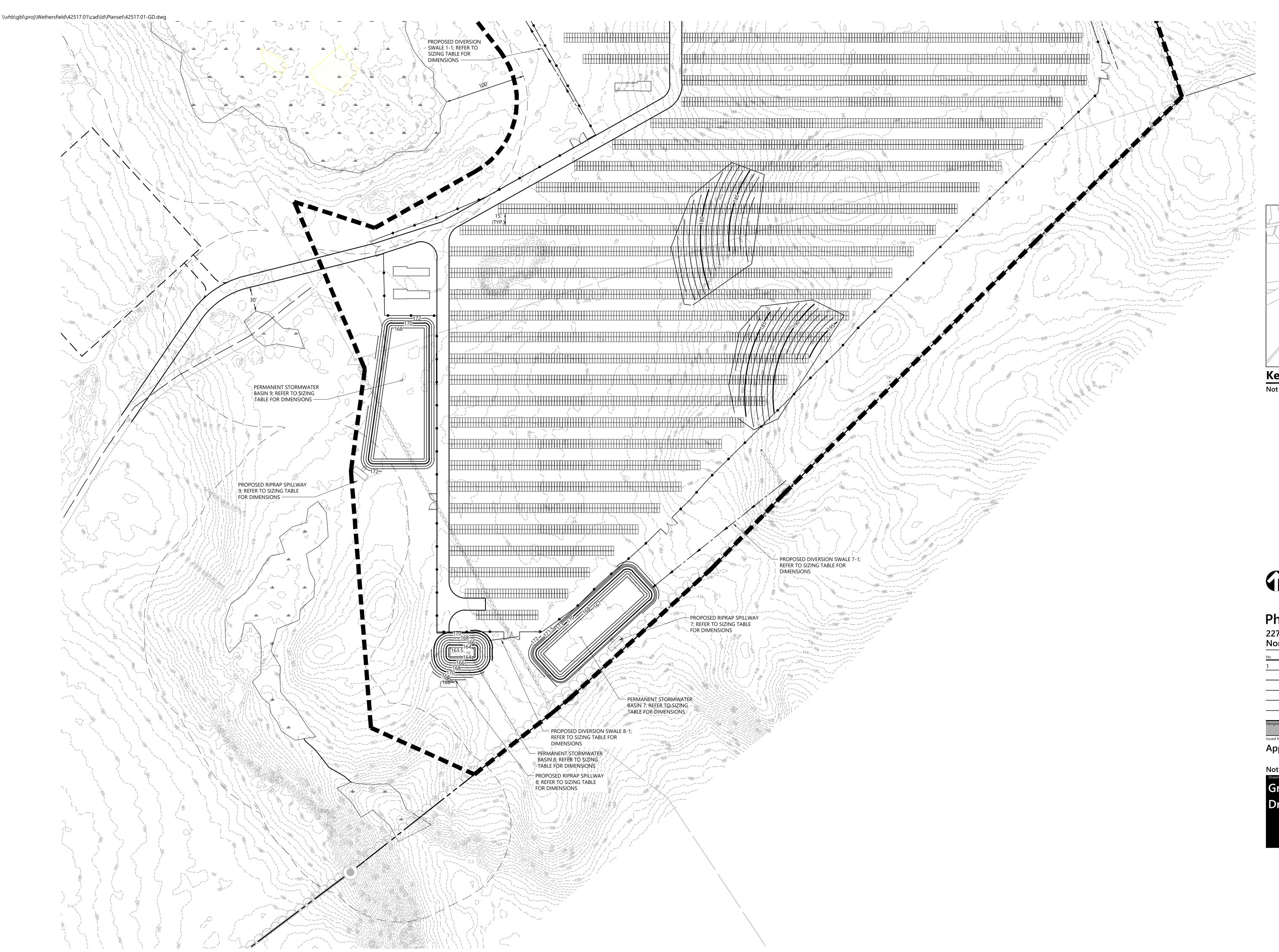
Application	May 29, 2020
Issued for	Date
KJT	SJK
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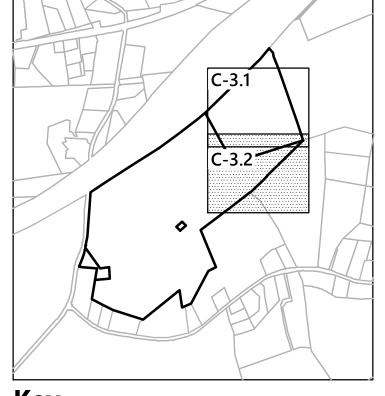
**Grading and** Drainage Plan - Overall



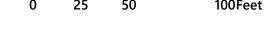








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# **Photovoltaic Installation**

227 Boombridge Road North Stonington, Connecticut

8/17/2020 SJK CSC Comments

KJT May 29, 2020 **Application** 

Not Approved for Construction

**Grading and Drainage Plan** 

<page-header>

#### **CONSTRUCTION SEQUENCING**

- ALL CONSTRUCTION ACTIVITIES ARE EXPECTED TO BEGIN IN THE SPRING/SUMMER OF 2021 AND COMPLETED BY THE END OF 2021. 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.
- 2. A 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. IT IS ALSO ANTICIPATED THAT REPRESENTATIVES FROM CTDEEP AND/OR THE STATE CONSERVATION DISTRICT WILL PERFORM PERIODIC INSPECTIONS.
- ENGINEER OF RECORD SHALL PERFORM THREE (3) MONTHLY PLAN IMPLEMENTATION INSPECTIONS WITHIN THE FIRST 90 DAYS OF CONSTRUCTION ACTIVITY, AS REQUIRED BY CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION.
- 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.
- PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE TOWN OF NORTH STONINGTON WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION.
   CONTRACTOR SHALL ADHERE TO 2002 CONNECTICUT GUIDELINES FOR EROSION AND
- 6. CONTRACTOR SHALL ADHERE TO 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AS AMENDED.
- 7. THE CONTRACTOR SHALL FLAG THE LIMITS OF CLEARING NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
- 8. THE CONTRACTOR SHALL HOLD PRE-CONSTRUCTION MEETING(S). ATTENDEES SHALL INCLUDE, BUT NOT BE LIMITED TO, REPRESENTATIVES OF THE GENERAL CONTRACTOR SITE CONTRACTOR, CTDEEP, TOWN OF NORTH STONINGTON, ENGINEER OF RECORD, AND QUALIFIED SWPPP INSPECTOR.
- 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 NORTH STONINGTON 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 MEAGURES CERVING THE AREA TO BE DISTURDED ARE IN DIAGRAM.
- CONTROL MEASURES SERVING THE AREA TO BE DISTURBED ARE IN PLACE.

  12. ANTICIPATED WORK HOURS WILL BE BETWEEN 6:30 AM AND 5:00 PM.
- 13. NO CLEARING OF THE EXISTING SCRUB SHRUB SHALL BE ALLOWED BETWEEN MAY 1 AND JULY 31 TO PROTECT FOR THE POSSIBLE PRESENCE OF PRAIRIE WARBLER BREEDING.

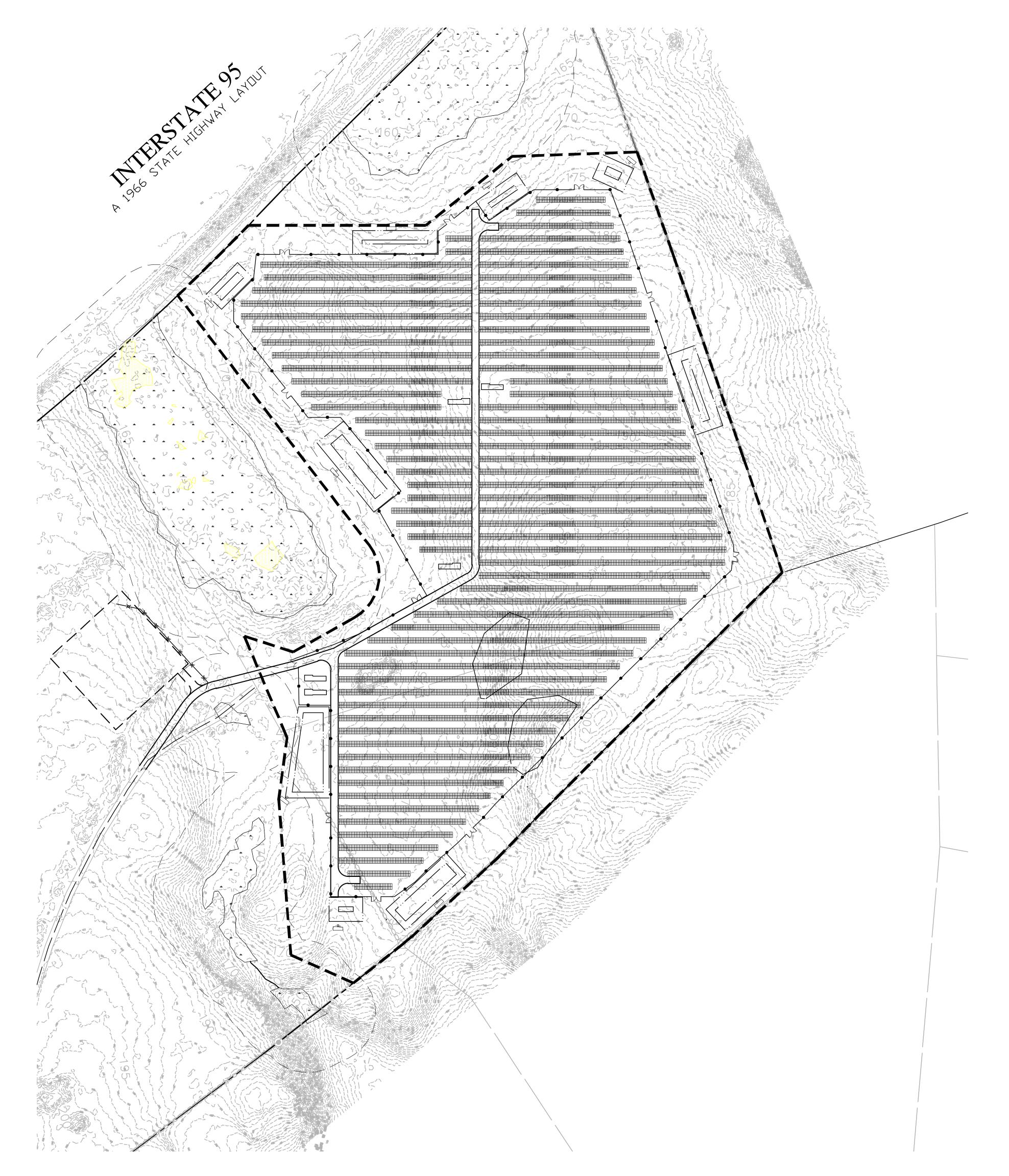
#### PRE-CONSTRUCTION SITE PROTECTION SEQUENCE

- 1. ACCESS ROADS SHALL BE DESIGNATED AS EARLY AS FEASIBLE AND USED PRIMARILY FOR CONSTRUCTION TRAFFIC.
- 2. INSTALL ENTRENCHED SILT FENCE FOLLOWING STANDARDS OF THE 2002
  CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. PERIMETER SILT
  FENCE SHALL BE MAINTAINED IN PERPETUITY UNTIL COMPLETION OF CONSTRUCTION.
  NO WORK SHALL BE ALLOWED OUTSIDE OF THESE LIMITS.
- 3. CONCURRENT WITH ITEMS 2 THROUGH 9 ABOVE, THE CONTRACTOR SHALL ADDRESS ONGOING EROSION PROBLEMS USING TEMPORARY DIVERSIONS AND FILLING AND GRADING GULLIES. TRACK GULLIES UP AND DOWN SLOPE AND HYDROSEED WITH A THERMALLY-TREATED WOOD BONDED FIBER MATRIX (BFM) MULCH WITH TACKIFIER. A STAPLED BIODEGRADABLE EROSION CONTROL BLANKET WITHOUT MONOFILAMENT MESH IS AN ACCEPTABLE ALTERNATIVE FOR HYDROSEED AND BFM.
- 4. INSTALL TEMPORARY SEDIMENT TRAPS 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 AND BASINS WITHIN 10 DAYS OF COMPLETION. SECURE SEED WITH A THERMALLY-TREATED BFM APPLIED FOLLOWING MANUFACTURER'S SPECIFICATIONS FOR USE AT SPECIFIED APPLICATION RATES. AN ANIONIC POLYACRYLAMIDE PRODUCT MAY BE INCLUDED WITH THE TACKIFIER TO PROMOTE SOIL STABILITY. ALL OTHER AMENDMENTS SHOULD BE PRESCRIBED BASED ON THE RESULT OF SOIL TESTS.
- 6. INSTALL OTHER 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.
- 7. ESTABLISH DESIGNATED VEHICULAR TRAFFIC ACCESS ROADS (GRAVEL, OR COMPACTED NATIVE SOIL, PER PLANS) THAT SHALL BE USED AS PRIMARY ACCESSES. EFFORTS MUST BE MADE TO MINIMIZE VEHICULAR TRAFFICKING ACROSS NON-DESIGNATED AREAS TO THE EXTENTS POSSIBLE.

#### CONSTRUCTION SEQUENCE

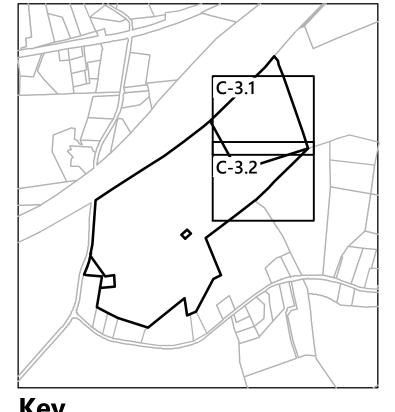
- PERFORM MASS EARTHWORK.
   TOPSOIL SHALL BE REPLACED TO 3" MINIMUM DEPTH OVER REGRADED AREAS UPON COMPLETION OF MASS EARTHWORK ACTIVITIES AND AREAS WHICH WERE DISTURBED BY MASS EARTHWORK OPERATIONS SHALL BE RESEEDED WITHIN 10 DAYS OF
- COMPLETION.

  3. DRIVE PILES FOR SOLAR PANEL RACKING.
- 4. THE INSTALLATION OF RACKING SHALL FOLLOW THE PILE DRIVING BY ROUGHLY ONE WEEK STARTING FROM THE SAME POINT.
- 5. 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.
- 6. 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
- UPON COMPLETION OF CONSTRUCTION, RE-SEED ALL DISTURBED AREAS WITHIN 10 DAYS AND PREVENT VEHICULAR TRAFFICKING OVER THESE AREAS. INSTALL FINAL LANDSCAPING.
- 8. AFTER SITE IS STABILIZED, AND AFTER INSPECTION BY DESIGN ENGINEER, OR OTHER OWNER'S REPRESENTATIVE, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS. ENTIRE SITE SHALL BE CHECKED FOR AND CLEANED OF SEDIMENT AS NEEDED.





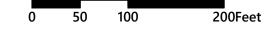
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# Photovoltaic Installation

227 Boombridge Road North Stonington, Connecticut

No.	Revision	Date	Appvd.
1	CSC Comments	8/17/2020	SJK

Designed by KJT SJK

Issued for Date

Application May 29, 2020

P.P.

Not Approved for Construction

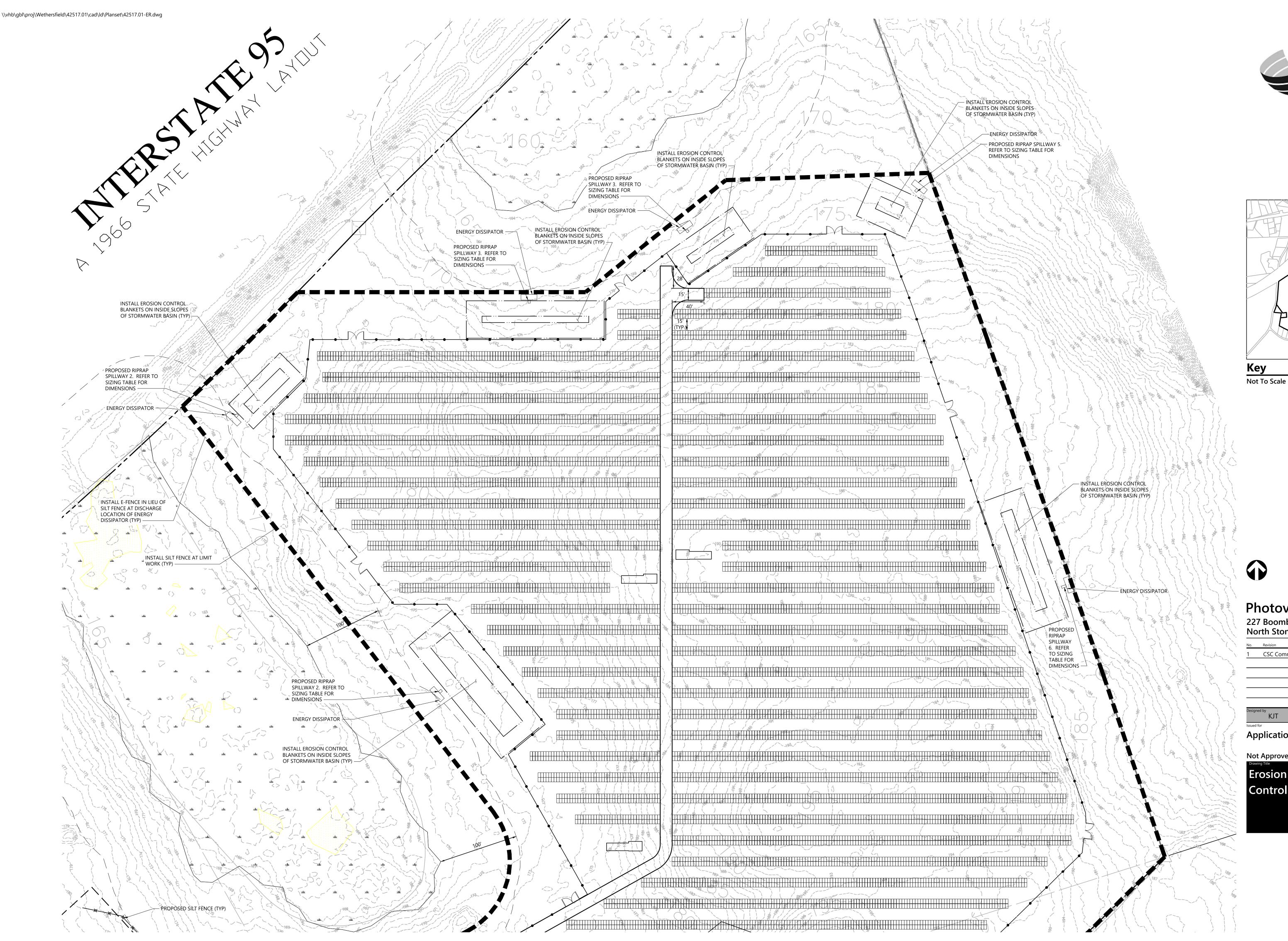
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Erosion and Sediment

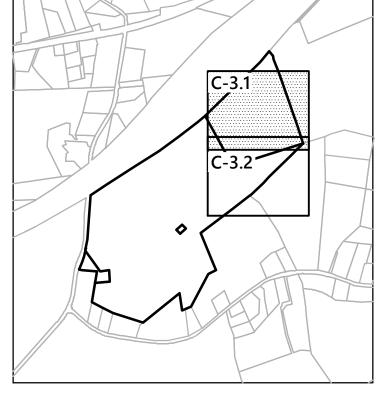
**Control Plan - Overall** 

C-5.0

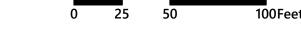












# Photovoltaic Installation

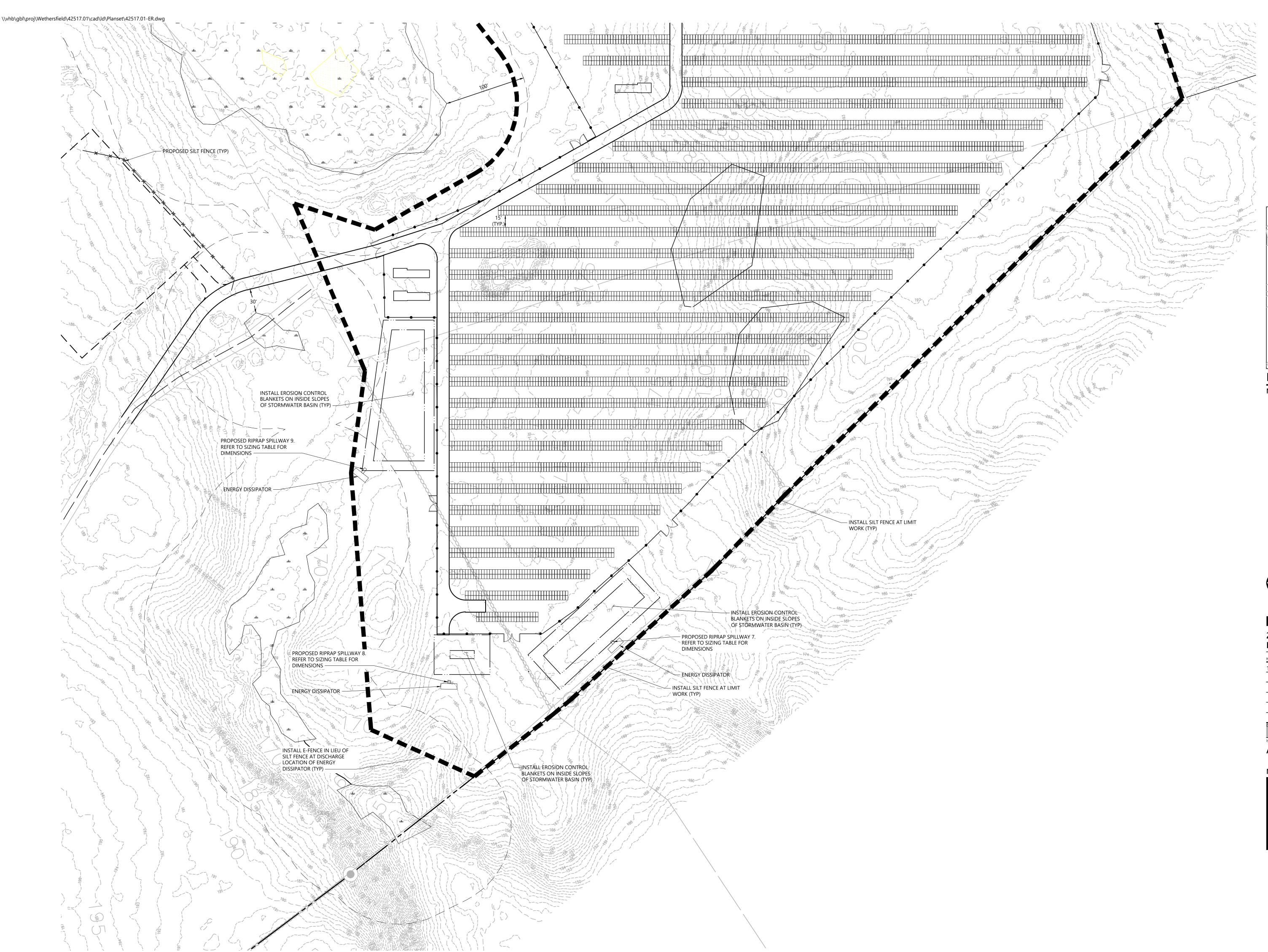
227 Boombridge Road North Stonington, Connecticut

No.	Revision	Date	Appvd.
1	CSC Comments	8/17/2020	SJK

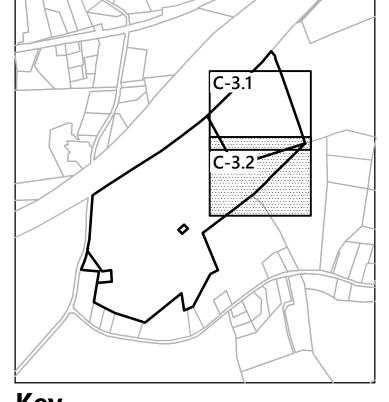
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Designed by Checke	SJK

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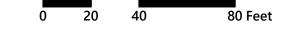
**Erosion and Sediment Control Plan** 







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# Photovoltaic Installation

227 Boombridge Road North Stonington, Connecticut

No. Revision Date Appvd.

1 CSC Comments 8/17/2020 SJK

Designed by KJT SJK

Issued for Date

Application May 29, 2020

P.P. See See

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**Erosion and Sediment Control Plan** 

Drawing l

C-5.2

11 13

### E-Fence DETAILS - Wildlife Exclusion - WPT

other patents pending)

T-Post - 8 FT c-c At Fence E-Fence Guide Wire T-Post 8' OC sections, overlap 12" and wire tie 14 ga. guide wire (3 to together to close all gaps wire 3' c-c (Detail A) 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

# Crimps crimped to guide At posts, install 2 wire ties. One at top, and one halfway.

#### E-Fence DETAILS – Guidewire Crimp

# Detail 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.

#### MDTH PER PLAN SINGLE GATE UP TO 12' DOUBLE GATE OVER 12' CENTER LINE FOR DOUBLE GATES - WIRE FASTENERS @ 18" INTERVALS, TOP AND BOTTOM -5/8" ROUND LATCH ROD ŢURNBUCKLĘ\* TAKEUP) 4" O.D. STEEL TUBE GATE POST -stretcher bar`( (SEE NOTE 4.) 3/8" STEEL TRUSS ROD— FRAMES AND BRACES BANDS TO BE 1.66" O.D. H⊸ 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 EACH GATE WHEN OPEN

#### **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**

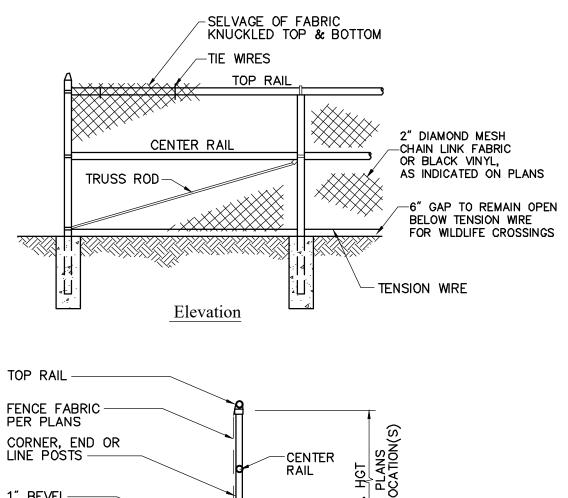
6/08 N.T.S. Source: VHB REV LD\_482

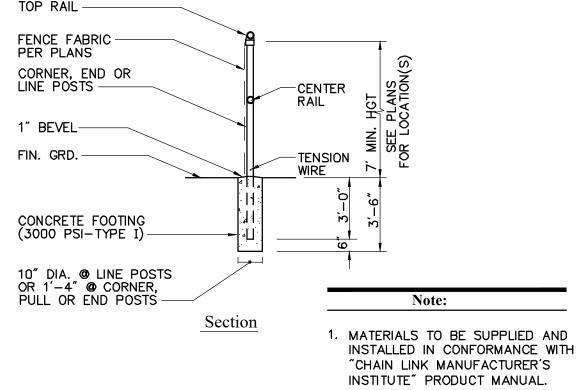
#### **E-Fence Installation Details**

T-Posts

N.T.S. Source: Ertec Environmental Systems

18" below grade





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

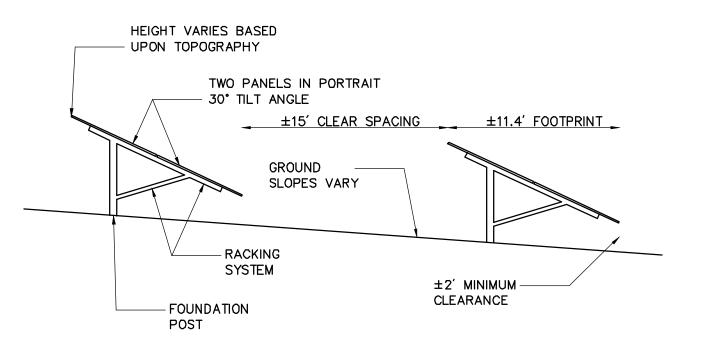


PHOTOVOLTAIC INSTALLATION Site Location: 227 Boombridge Road, North Stonington, CT 06359 Owner: Greenskies Clean Energy, LLC Attn: Christopher Ross 180 Johnson Street Middletown, CT 06457 **IN CASE OF EMERGENCY CALL 911** NORTH STONINGTON POLICE DEPARTMENT - (860)535-1451

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

**Danger and Site Facility Signs** 1/16

N.T.S.



**Notes:** 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.

**Cross Section of Panel Array** 7/20 N.T.S. Source: VHB

### **Photovoltaic Installation**

100 Great Meadow Road

Wethersfield, CT 06109

Suite 200

860.807.4300

227 Boombridge Road North Stonington, Connecticut

CSC Comments 8/17/2020 SJK

Checked by SJK KJT

**Not Approved for Construction** 

**Application** 

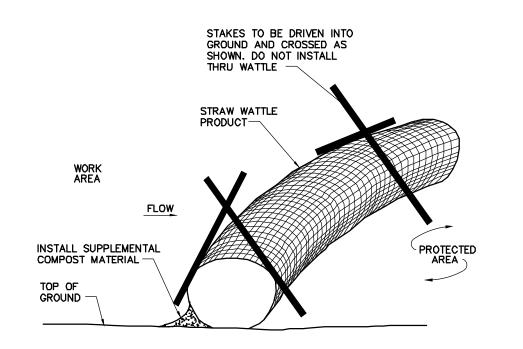


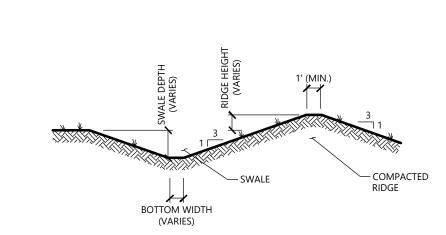
May 29, 2020



12

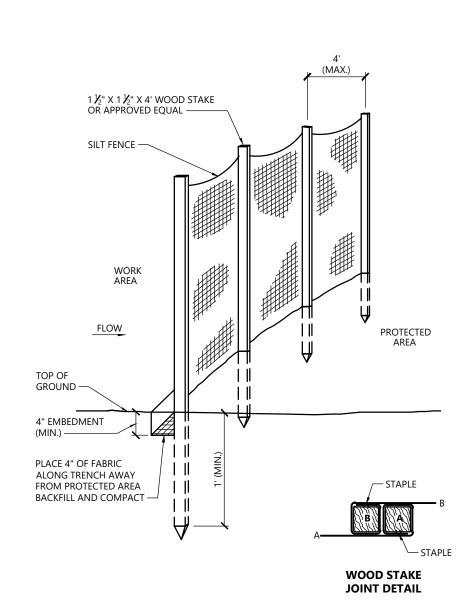
13





1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1 2. REFER TO "DIVERSION SWALE SIZING" TABLE FOR SELECTION OF LINING MATERIAL TO BE INSTALLED OVER ENTIRE SWALE AREA. 3. REFER TO "DIVERSION SWALE SIZING" TABLE FOR VARIABLE SIZING.
4.THE INTENT IS TO USE THE MATERIAL EXCAVATED FROM THE SWALE TO CONSTRUCT THE RIDGE.

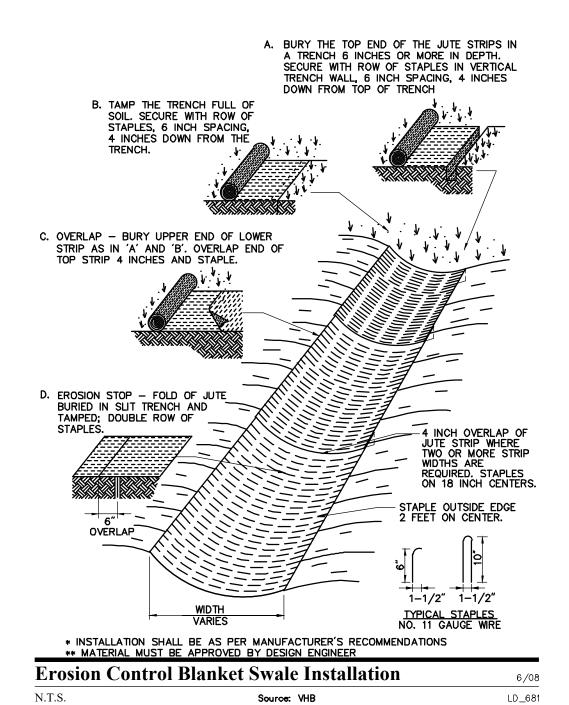
**Diversion Swale** N.T.S. Source: VHB

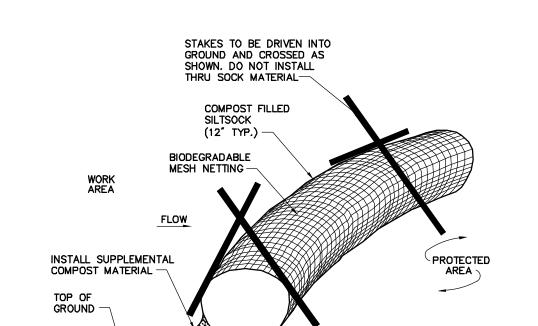


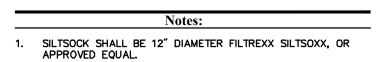
Silt Fence Barrier		1/16
N.T.S.	Source: VHB	LD_650

1. SHALL BE INSTALLED AT THE OUTLET FROM EACH STORMWATER BASIN SPILLWAY.

Energy Dissipator
N.T.S.

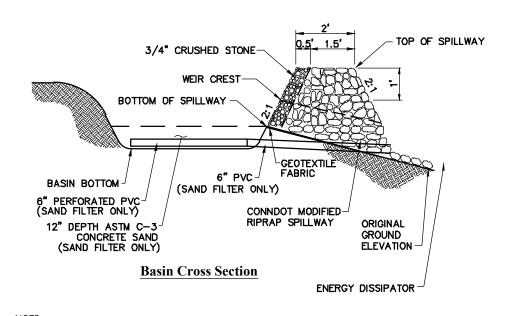






- 2. SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
- SILTSOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
- COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
- 5. IF NON BIODEGRADABLE NETTING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

Compost Fil	ter Sock (CFS)	B/12
N.T.S.	Source: VHB	LD_658



8/12

LD\_658

1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1

**Straw Wattle Installation** 

N.T.S.

- 2. TOP OF EMBANKMENT SHALL BE 2' (MIN.) WIDTH AND 1' (MIN.) ABOVE TOP OF SPILLWAY. 3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.

  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. 6. PERFORATED PVC AND CONCRETE SAND FOR SAND FILTERS SHALL BE INSTALLED ONLY UPON FULL STABILIZATION OF UPSTREAM AREAS. 6" PVC SHALL BE INSTALLED AND CAPPED AT TIME OF BASIN

3/4" CRUSHED STONE-

GEOTEXTILE FABRIC

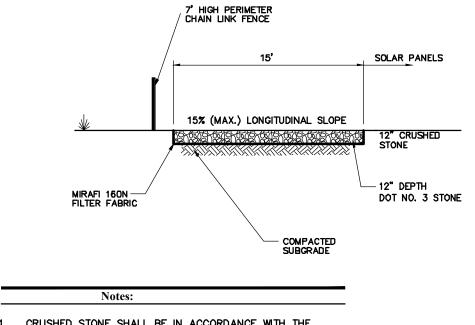
CONNDOT MODIFIED

**Trap Cross Section** 

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

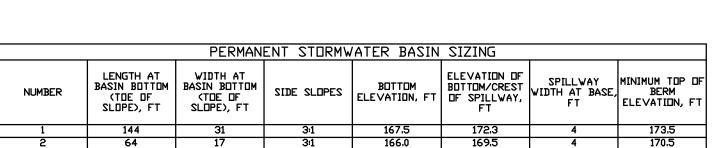
3. TRAP SHALL BE DRAINED AND CLEANED OF SEDIMENT ONCE SEDIMENT IS > 1' ABOVE TRAP BOTTOM.

Permanent Stormwater Basin



- CRUSHED STONE SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION.
   ON-SITE ROCK MATERIAL SHALL BE CRUSHED AND USED IN THE CONSTRUCTION OF ACCESS ROAD TO THE MAXIMUM EXTENTS FEASIBLE.

Perimeter Access Cross Section		
N.T.S.	Source: VHB	



	DIV	/ERSION SW	ALE SIZ	ING	•	
NAME	APPRDXIMATE TRIBUTARY AREA, AC	APROXIMATE LENGTH, FT	BOTTOM WIDTH, FT	SIDE SLOPES	SWALE DEPTH, FT	LINING MATERIAL
1-1	2.2	175	1	3:1	1.5	ECB
1-1	0,2	100	1	3:1	1	ECB
2-1	0.2	175	1	3:1	1	ECB
3-1	0,2	100	1	3:1	1	ECB
3-2	0.5	25	1	3:1	1	ECB
4-1	0.6	50	1	3:1	1	ECB
4-2	0.3	90	1	3:1	1	ECB
5-1	0,2	50	1	3:1	1	ECB
5-2	0.3	175	1	3:1	1	ECB
6-1	0.2	70	1	3:1	1	ECB
6-2	0.7	260	1	3:1	1	ECB
7-1	0.4	210	1	3:1	1	ECB
8-1	0.2	40	1	3:1	1	ECB

# **Photovoltaic Installation**

100 Great Meadow Road

Wethersfield, CT 06109

Suite 200

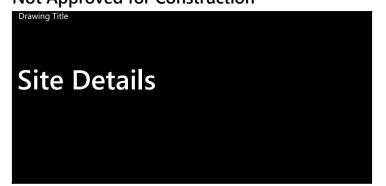
860.807.4300

227 Boombridge Road North Stonington, Connecticut

8/17/2020 SJ
8/17/2020

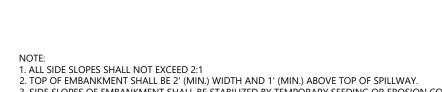
Designed by KJT	Checked by SJK
Issued for	Date
Application	May 29, 2020

Not Approved for Construction





BLANKETS AS DIRECTED BY THE ENGINEER.



3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL 4. REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING. 5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY.

**Spillway Cross Section** 

**Stormwater Basin Spillway** N.T.S.

**Sizing Tables for Permanent Stormwater Features** 

Source: VHB