Site Plans

Issued for Application

Date Issued October 5, 2020

Latest Issue October 5, 2020

Photovoltaic Installation

Rockville Road East Windsor, Connecticut

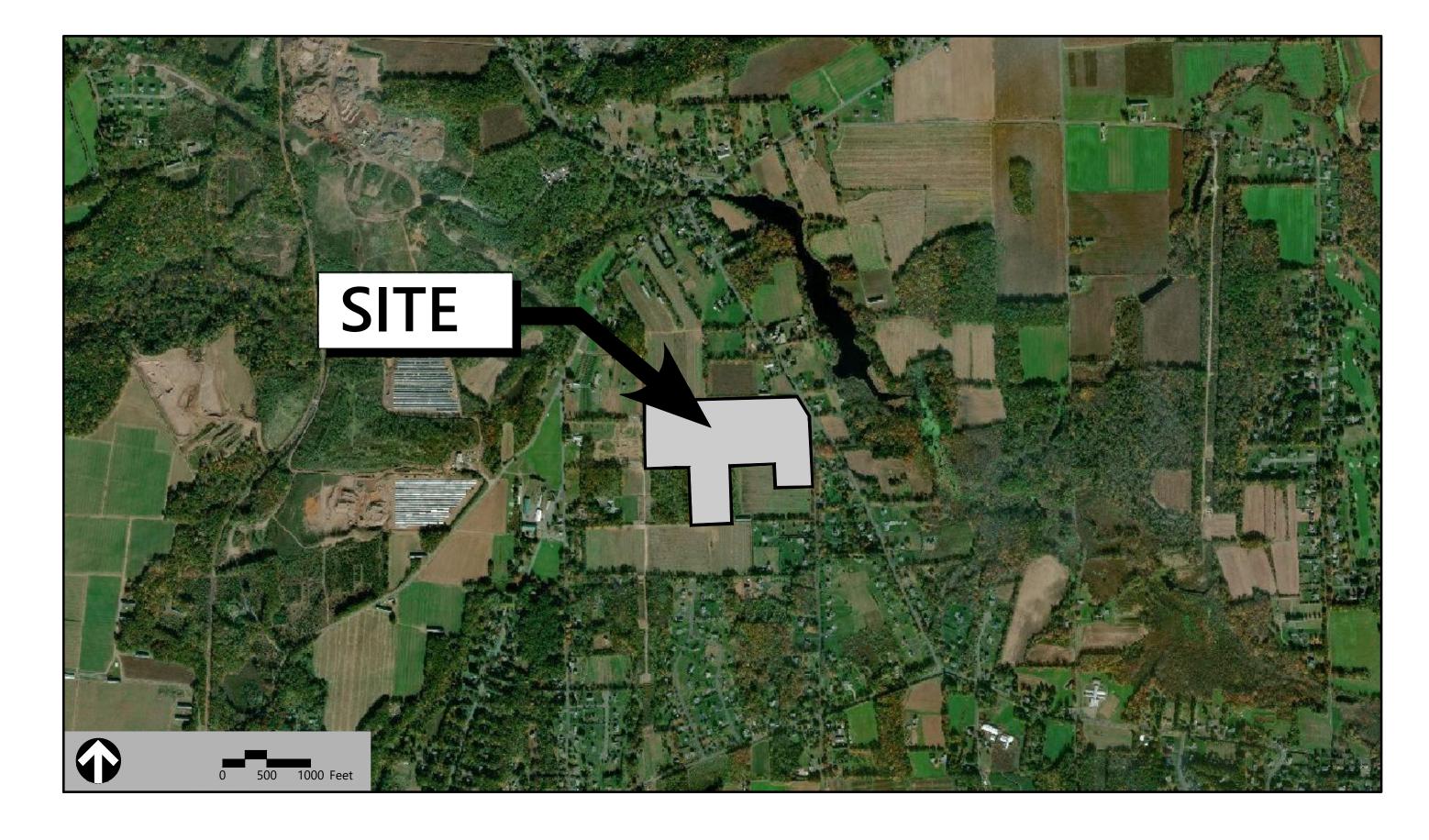
Applicant

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

Map / Block / Lot: 029 / 68 / 010

Owner

Leonard A. Mulnite Revocable Trust Agreement & Donna L. Mulnite Revocable Trust Agreement 28 Miller Road Brook, CT 06016



Sheet Index		
No.	Drawing Title	Latest Issue
C-1.0	Legend and General Notes	October 5, 2020
C-2.0	Key Plan	October 5, 2020
C-3.0	Layout and Materials Plan - Overall	October 5, 2020
C-3.1-3.2	Layout and Materials Plan 1 and 2	October 5, 2020
C-4.0	Grading and Drainage Plan - Overall	October 5, 2020
C-4.1-4.2	Grading and Drainage Plan 1 and 2	October 5, 2020
C-5.0	Erosion and Sediment Control Plan - Overall	October 5, 2020
C-5.1-5.2	Erosion and Sediment Control Plan 1 and 2	October 5, 2020
C-6.1-6.2	Site Details	October 5, 2020

	Reference Drawings		
ue	No.	Drawing Title	Latest Issue
020 020 020	19-119 L-1.1	Property Survey Planting Plan Notes and Details	December 19, 2019 October 5, 2020



Licensed Land Surveyor

Wethersfield, CT 06109

860.807.4300

Northeast Survey Consultants 116 Pleasant St. Suite 302 P.O. Box 109 Easthampton, MA 01027 413-203-5144 $\wedge large the large that the la$

Exist.	Prop.		Exist.	Prop.	
		PROPERTY LINE		State of Artists	CONCRETE
		PROJECT LIMIT LINE			HEAVY DUTY PAVEMENT
					BUILDINGS
_		RIGHT-OF-WAY/PROPERTY LINE	KO-AKACE		
		EASEMENT			RIPRAP
		BUILDING SETBACK		////// ///////////////////////////////	CONSTRUCTION EXIT
10+00	10+00	PARKING SETBACK	27.35 TC×	27.35 TC×	TOP OF CURB ELEVATION
10+00		BASELINE	26.85 BC×	26.85 BC×	BOTTOM OF CURB ELEVATION
		CONSTRUCTION LAYOUT			
		ZONING LINE	132.75 × 45.0 TW _×	132.75 ×	SPOT ELEVATION
		TOWN LINE	38.5 BW	45.0 TW × 38.5 BW	TOP & BOTTOM OF WALL ELEVATIO
			-	•	BORING LOCATION
	<u> </u>	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—►	UNDERDRAIN
					DRAIN
		GRAVEL ROAD	6"RD	6″RD>	ROOF DRAIN
EOP	EOP	EDGE OF PAVEMENT	12"S	12 <u>"</u> S	SEWER
BB	BB		FM	<u>FM</u>	FORCE MAIN
		BITUMINOUS BERM	——ОНW——	—— ОНW ——	OVERHEAD WIRE
BC	BC	BITUMINOUS CURB	6"W	6"W	WATER
CC	CC	CONCRETE CURB	4"FP	——4*FP——	FIRE PROTECTION
	CG	CURB AND GUTTER	711		
CC	ECC	EXTRUDED CONCRETE CURB	- 10 -	——2*DW——	DOMESTIC WATER
CC	MCC	MONOLITHIC CONCRETE CURB	3 ¹⁰ 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
			——FA——	——FA——	FIRE ALARM
		LIMIT OF CURB TYPE	CATV		CABLE TV
		SAWCUT	-		
///////		DUIL DING		=	CATCH BASIN
		BUILDING			DOUBLE CATCH BASIN
](∏ EN	BUILDING ENTRANCE	HI	==	GUTTER INLET
](LOADING DOCK	(1)	•	DRAIN MANHOLE
*	•	BOLLARD	=TD=		TRENCH DRAIN
D	D	DUMPSTER PAD	Γ	r	PLUG OR CAP
-	•	SIGN	CO •	co ●	CLEANOUT
<u> </u>	=	DOUBLE SIGN	>	>	FLARED END SECTION
			-	\ /	HEADWALL
1 1		STEEL GUARDRAIL			HEADWALL
		WOOD GUARDRAIL	(\$)	•	SEWER MANHOLE
			CS	 CS ●	
		PATH	_		CURB STOP & BOX
			₩V ⊚	₩V ●	WATER VALVE & BOX
7 /		TREE LINE	TSV	TSV	TAPPING SLEEVE, VALVE & BOX
×	-× ×	WIRE FENCE	44	₩ HVD	SIAMESE CONNECTION
	•	FENCE	HYD	HYD	FIRE HYDRANT
	-	STOCKADE FENCE	₩M	WM ⊡	WATER METER
00000	-0000000-	STONE WALL	PIV	PIV	POST INDICATOR VALVE
		RETAINING WALL	(1)	®	WATER WELL
					VVATER VVELL
		STREAM / POND / WATER COURSE			CACCATE
		STREAM / POND / WATER COURSE DETENTION BASIN	GG	GG O	GAS GATE
		DETENTION BASIN	GG ○ GM □	GG GM ⊡	GAS METER
		DETENTION BASIN HAY BALES	GM	GM ⊡	GAS METER
	—×——×—	DETENTION BASIN HAY BALES SILT FENCE	GM E	GM ⊡ ⊕EMH	GAS METER ELECTRIC MANHOLE
		DETENTION BASIN HAY BALES	GM E EM	GM ⊡	GAS METER
XX	—×——×—	DETENTION BASIN HAY BALES SILT FENCE	GM E	GM ⊡ ⊕EMH	GAS METER ELECTRIC MANHOLE
-XX	—×——×—	DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE	GM E EM	GM ⊡ ⊕EMH	GAS METER ELECTRIC MANHOLE ELECTRIC METER
	——————————————————————————————————————	DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR MAJOR CONTOUR	© EM	©M □EMH EM □	GAS METER ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE
		DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR	GM □ E EM □	©M □ EM □	GAS METER ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE
	——————————————————————————————————————	DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR MAJOR CONTOUR	© EM	©M □EMH EM □	GAS METER ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE
		DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR MAJOR CONTOUR PARKING COUNT	© EM T	©M □EMH EM □	GAS METER ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD
		DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR MAJOR CONTOUR PARKING COUNT COMPACT PARKING STALLS DOUBLE YELLOW LINE	© EM	©M □EMH EM □	ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD UTILITY POLE GUY POLE
	-X-X-X C::::::> . - 4 20	DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR MAJOR CONTOUR PARKING COUNT COMPACT PARKING STALLS DOUBLE YELLOW LINE STOP LINE	© EM T	©M EMH EM □ TMH	ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD UTILITY POLE GUY POLE GUY WIRE & ANCHOR
		DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR MAJOR CONTOUR PARKING COUNT COMPACT PARKING STALLS DOUBLE YELLOW LINE	© EM • • • • • • • • • • • • • • • • • •	GM ● EMH EM ■ TMH T ← HH PB	ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD UTILITY POLE GUY POLE GUY WIRE & ANCHOR HAND HOLE
	-X-X-X C::::::> . - 4 20	DETENTION BASIN HAY BALES SILT FENCE SILT SOCK / STRAW WATTLE MINOR CONTOUR MAJOR CONTOUR PARKING COUNT COMPACT PARKING STALLS DOUBLE YELLOW LINE STOP LINE	© EM	©M ● EMH EM ● TMH T	ELECTRIC MANHOLE ELECTRIC METER LIGHT POLE TELEPHONE MANHOLE TRANSFORMER PAD UTILITY POLE GUY POLE GUY WIRE & ANCHOR

VAN-ACCESSIBLE PARKING

Abbreviations

	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
	PROPOSED
REM	REMOVE
RET	RETAIN
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
SWEL	SOLID WHITE LANE LINE
SWLL	SOLID WHITE LANE LINE
TS TYP	TOP OF SLOPE TYPICAL
	TTFICAL
Utility	
СВ	CATCH BASIN
CMP	CORRUGATED METAL PIPE
СО	CLEANOUT
DCB	DOUBLE CATCH BASIN
DMH	DRAIN MANHOLE
CIP	CAST IRON PIPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
FES FM	FLARED END SECTION 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
HW	HEADWALL
HYD	HYDRANT
INV	INVERT ELEVATION
I=	INVERT ELEVATION
LP	LIGHT POLE
MES	METAL END SECTION
PIV	POST INDICATOR VALVE
PWW	PAVED WATER WAY
PVC	POLYVINYLCHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
R=	RIM ELEVATION
SMH	SEWER MANHOLE
TSV	TAPPING SLEEVE, VALVE AND BOX
UG	UNDERGROUND

UTILITY POLE

Notes

General

- 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 EXPENSE
- 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 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.

l Itilities

- 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.

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
- 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.

Erosion Control

- 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 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

 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

TOPOGRAPHY: ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.

Document U

- 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.
- 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.



100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300

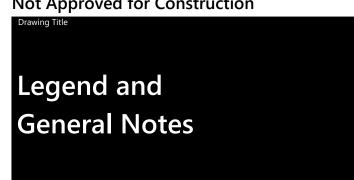
Photovoltaic Installation

Rockville Road
East Windsor, Connecticut

1	CSC Comments	10/5/2020 S
Desig	JDW	Checked by SJK
Issued	d for	Date

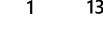
Not Approved for Construction

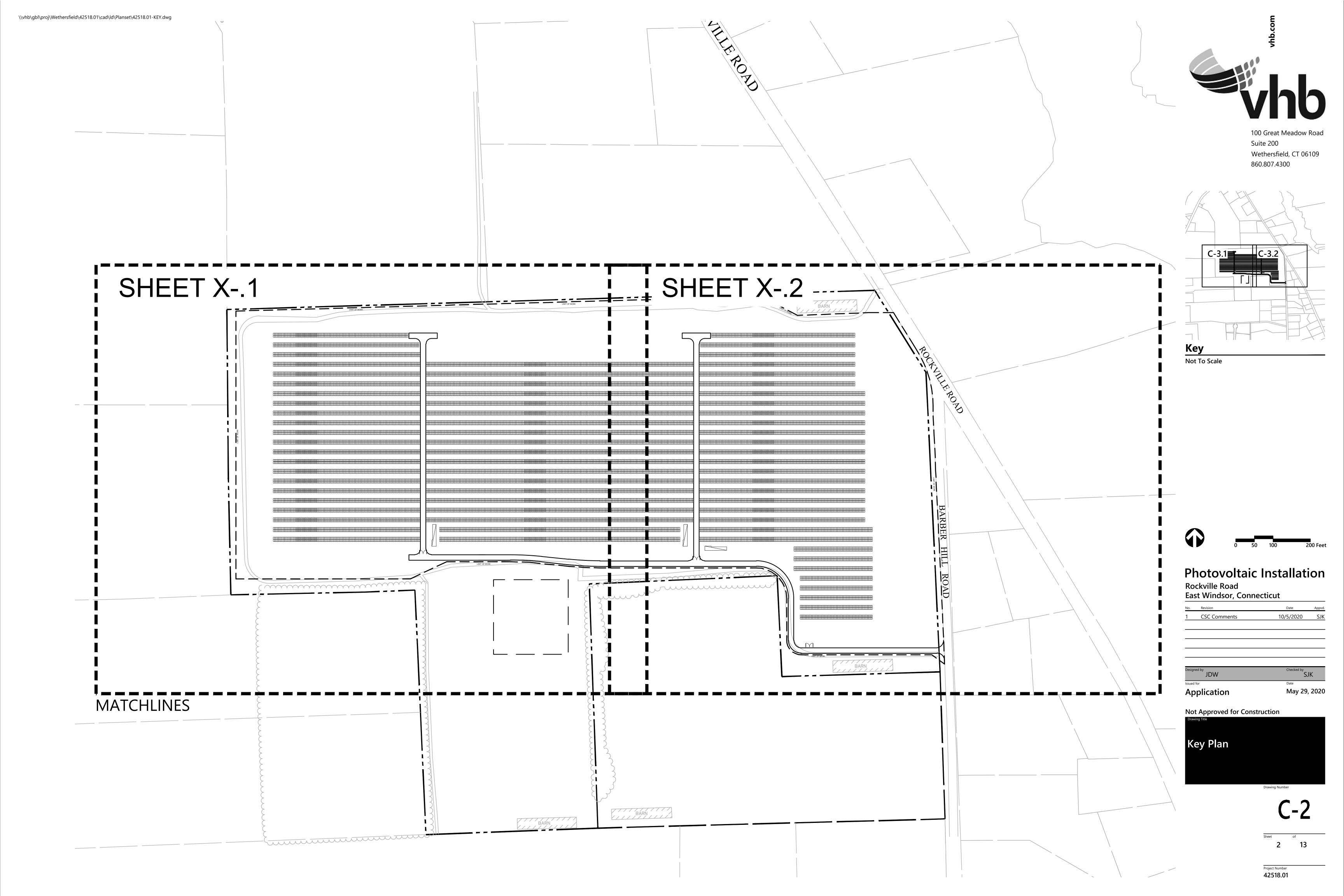
Application

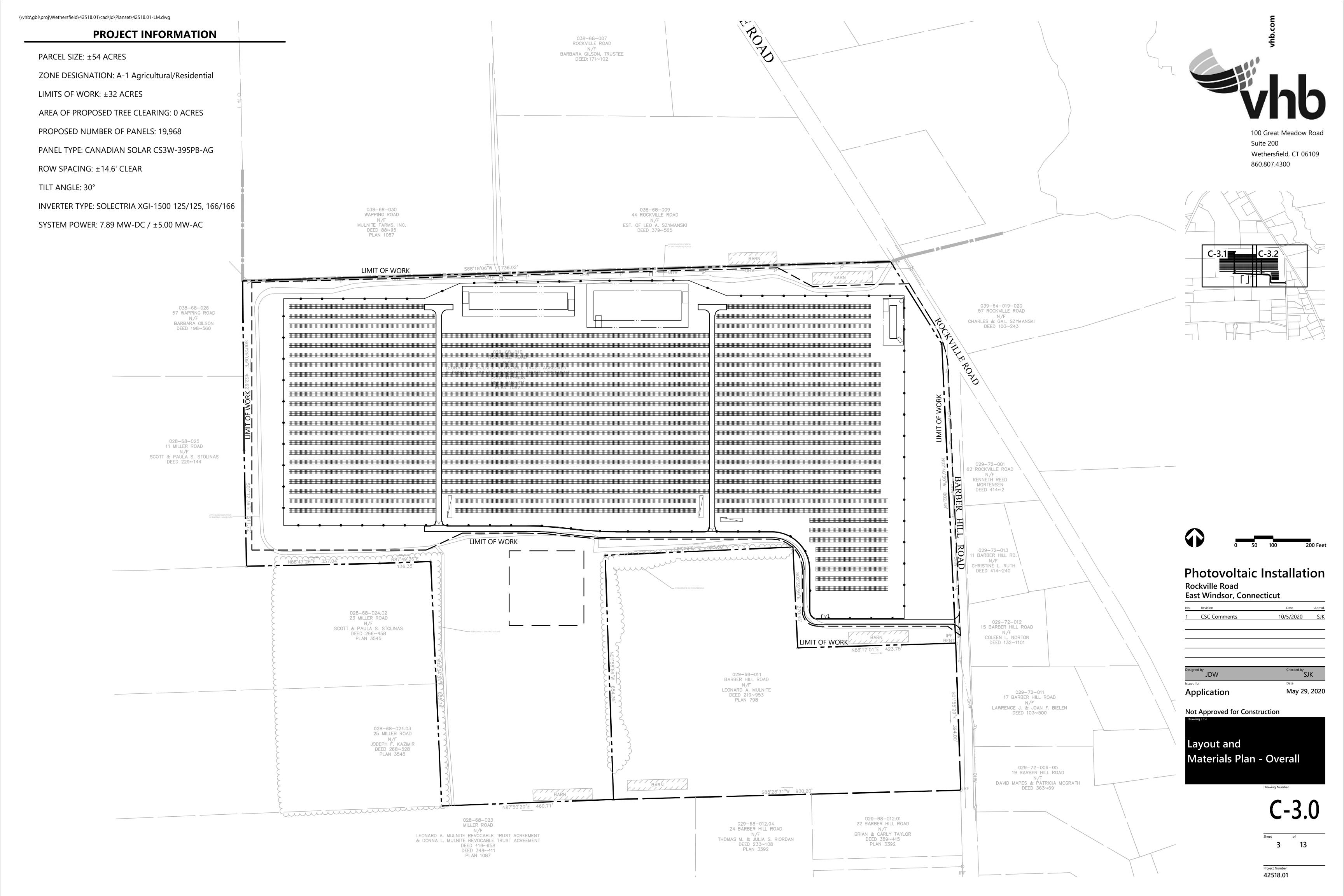


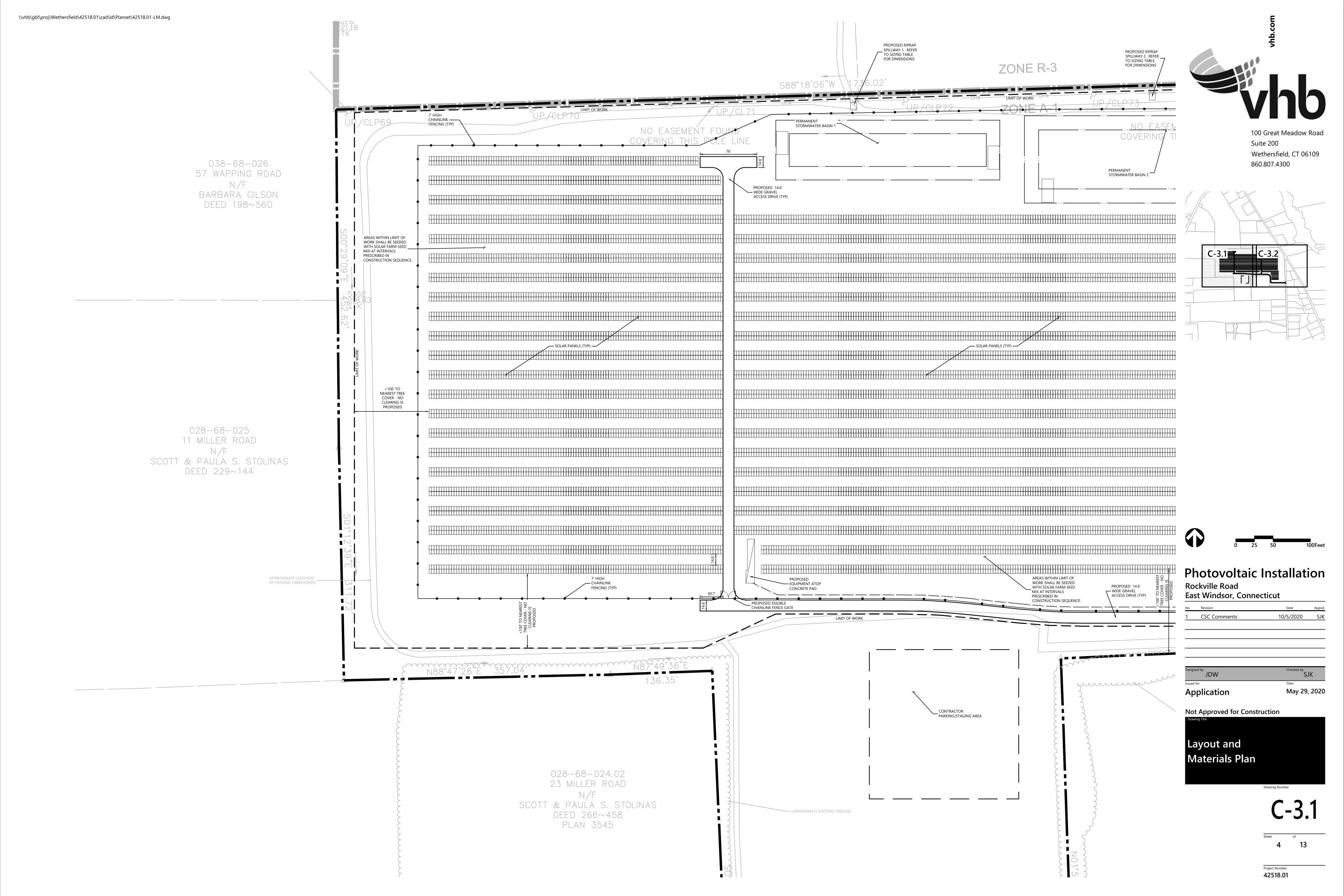
C-1

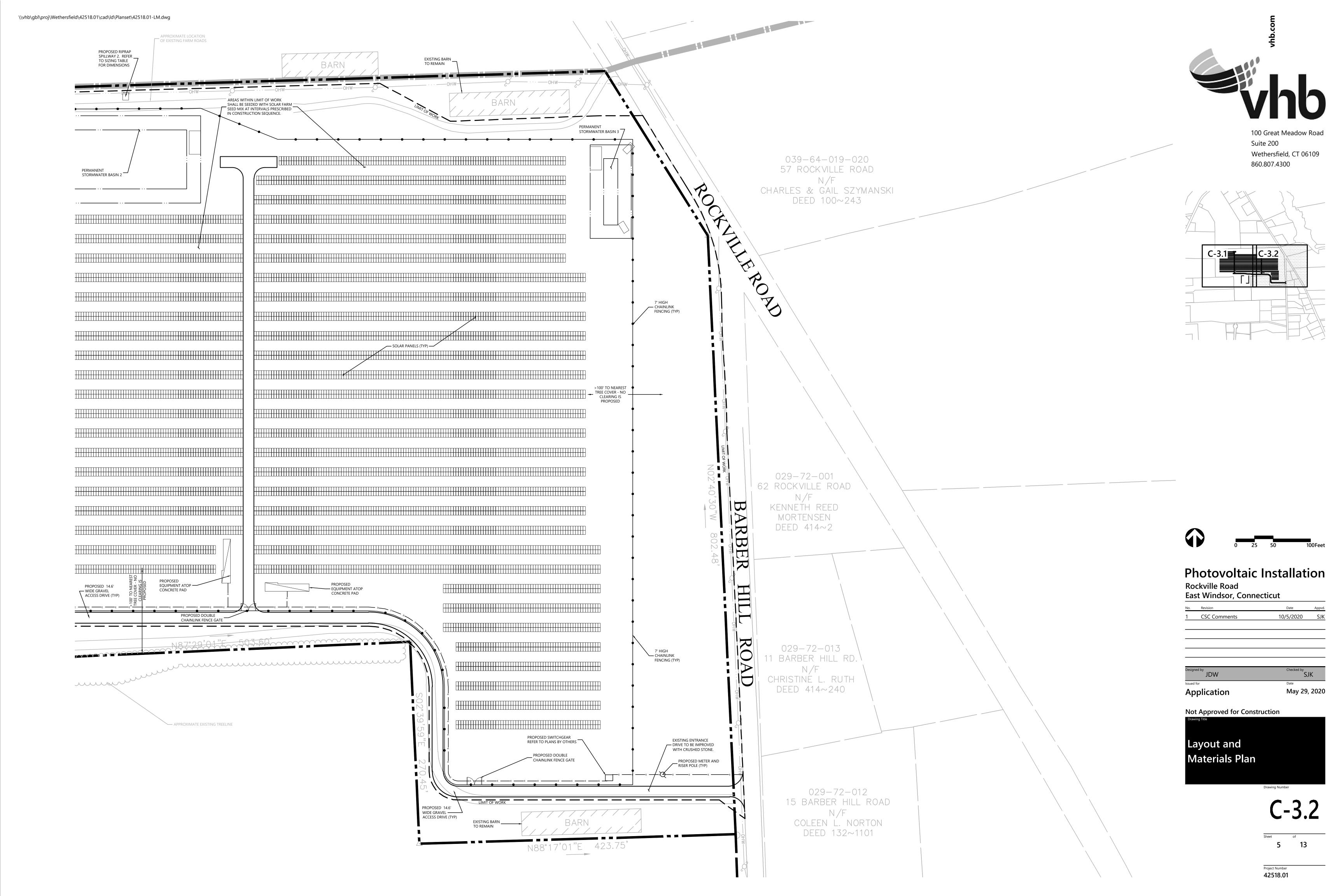
May 29, 2020











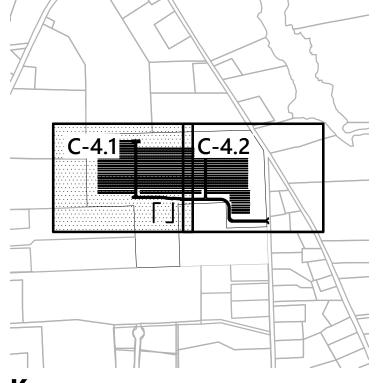
SPILLWAY 1. REFER
TO SIZING TABLE
FOR DIMENSIONS PROPOSED RIPRAP SPILLWAY 2. REFER _ TO SIZING TABLE FOR DIMENSIONS STORMWATER BASIN 1.
REFER TO SIZING TABLE
FOR DIMENSIONS. PERMANENT SWALE 1-1.
REFER TO SIZING TABLE
FOR DIMENSIONS. PERMANENT STORMWATER BASIN 2. _ REFER TO SIZING TABLE 038-68-026 57 WAPPING ROAD BARBARA GILSON DEED 198~560 028-68-025 APPROXIMATE OUTLINE OF PROPOSED LIMITS OF FILLING USING ON-SITE EXCAVATED MATERIAL TO DEPTHS NOT EXCEEDING ONE FOOT, IN THE EVENT THAT EXCESS MATERIAL IS NOT HANDLED BY THE LAND OWNER 11 MILLER ROAD SCOTT & PAULA S. STOLINAS DEED 229~144

028-68-024.02 23 MILLER ROAD

N/F SCOTT & PAULA S. STOLINAS DEED 266~458 PLAN 3545



100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300



Not To Scale

Photovoltaic Installation

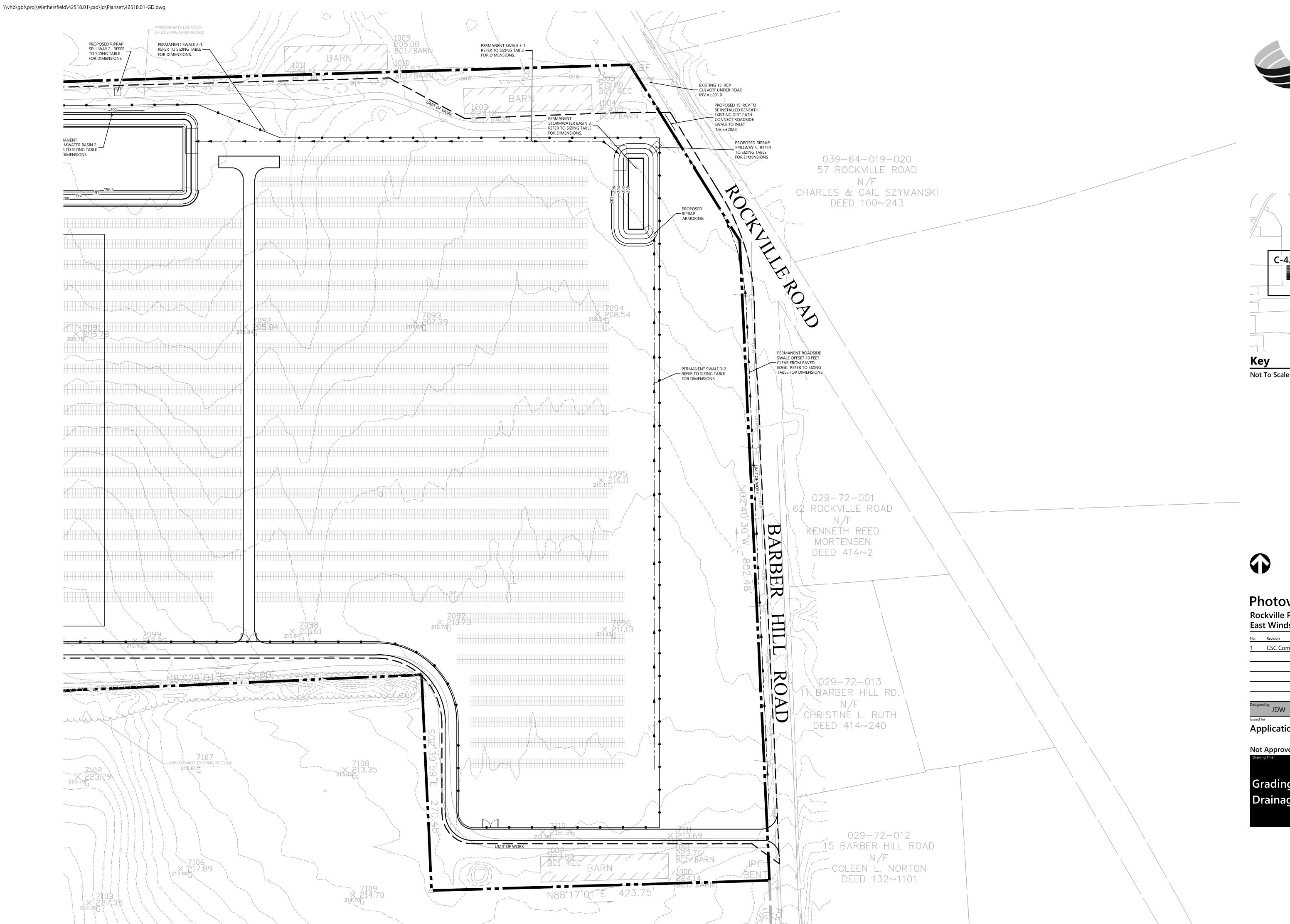
Rockville Road East Windsor, Connecticut

CSC Comments 10/5/2020 SJK

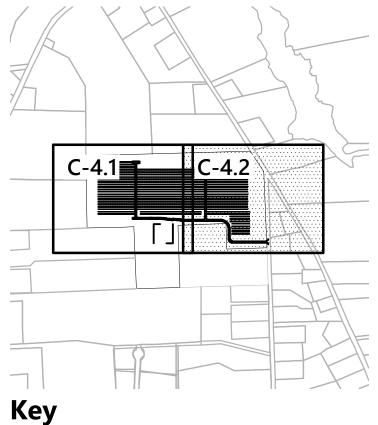
Designed by JDW **Application** May 29, 2020

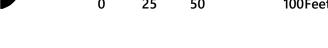
Not Approved for Construction

Grading and Drainage Plan



100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300





Photovoltaic Installation

Rockville Road East Windsor, Connecticut

10/5/2020 SJK CSC Comments

May 29, 2020 **Application**

Not Approved for Construction

Grading and Drainage Plan

EXTENTS POSSIBLE

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

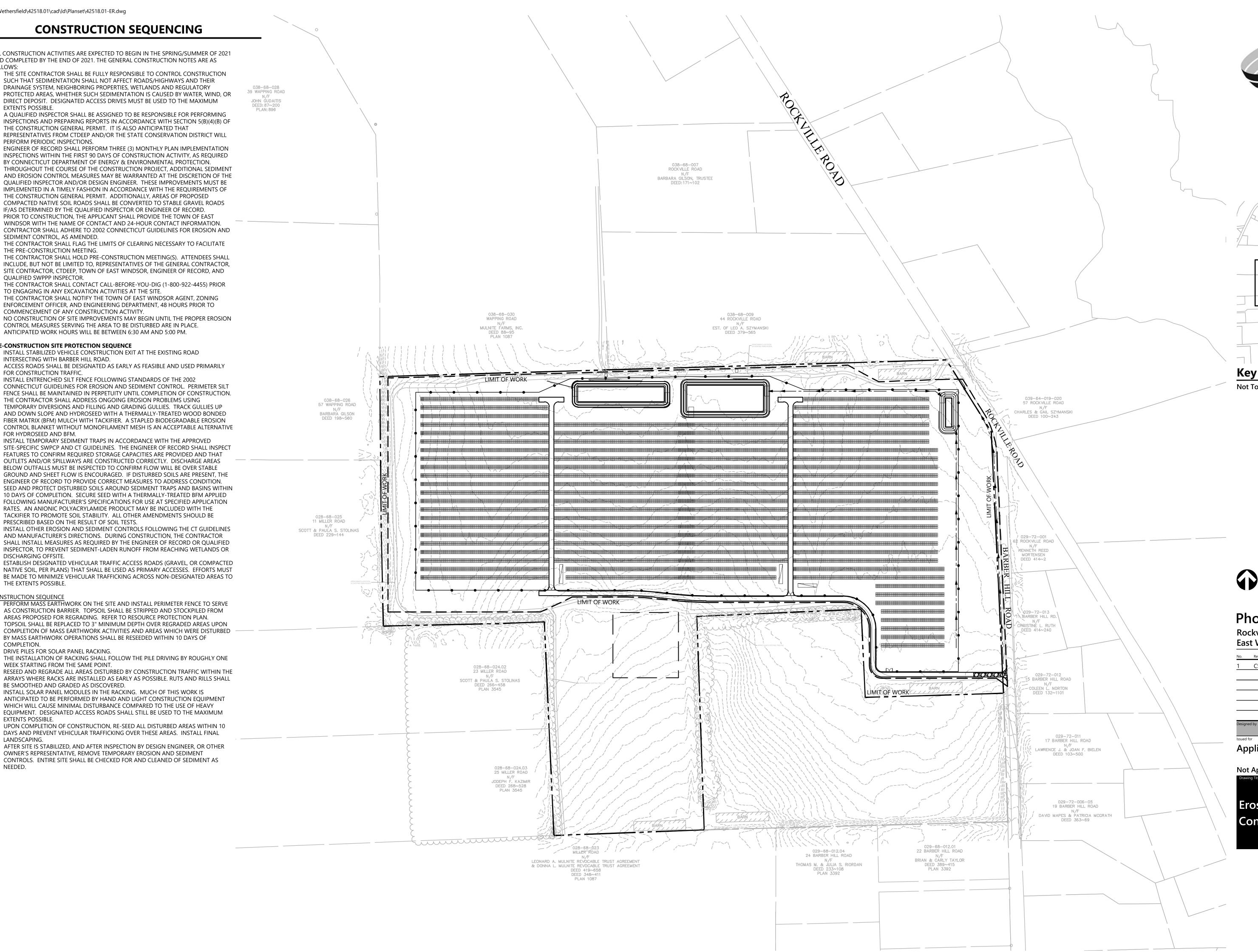
- FOLLOWS: 1. THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT ROADS/HIGHWAYS AND THEIR DRAINAGE SYSTEM, NEIGHBORING PROPERTIES, WETLANDS AND REGULATORY
- 2. A QUALIFIED INSPECTOR SHALL BE ASSIGNED TO BE RESPONSIBLE FOR PERFORMING INSPECTIONS 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. 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 EAST
- WINDSOR WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION. 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 EAST WINDSOR, 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 EAST WINDSOR 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 6:30 AM AND 5:00 PM.

PRE-CONSTRUCTION SITE PROTECTION SEQUENCE

- 1. INSTALL STABILIZED VEHICLE CONSTRUCTION EXIT AT THE EXISTING ROAD
- INTERSECTING WITH BARBER HILL ROAD. ACCESS ROADS SHALL BE DESIGNATED AS EARLY AS FEASIBLE AND USED PRIMARILY
- FOR CONSTRUCTION TRAFFIC. 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. 4. 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. 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. 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. 7. 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.
- 8. 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

- 1. PERFORM MASS EARTHWORK ON THE SITE AND INSTALL PERIMETER FENCE TO SERVE AS CONSTRUCTION BARRIER. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM AREAS PROPOSED FOR REGRADING. REFER TO RESOURCE PROTECTION PLAN.
- 2. 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.
- 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.
- 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 EXTENTS POSSIBLE.
- 7. 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.





100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300



Not To Scale



Photovoltaic Installation

Rockville Road East Windsor, Connecticut

CSC Comments 10/5/2020 SJK

['] JDW May 29, 2020 **Application**

Not Approved for Construction

Erosion and Sediment

Control Plan - Overall

42518.01

028-68-025 11 MILLER ROAD SCOTT & PAULA S. STOLINAS

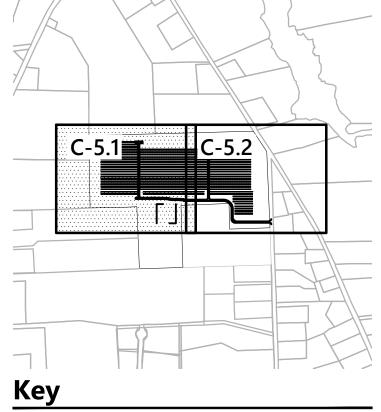
DEED 229~144

028-68-024.02 23 MILLER ROAD

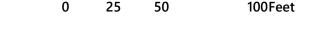
N/F SCOTT & PAULA S. STOLINAS DEED 266~458 PLAN 3545



100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300



Not To Scale



Photovoltaic Installation

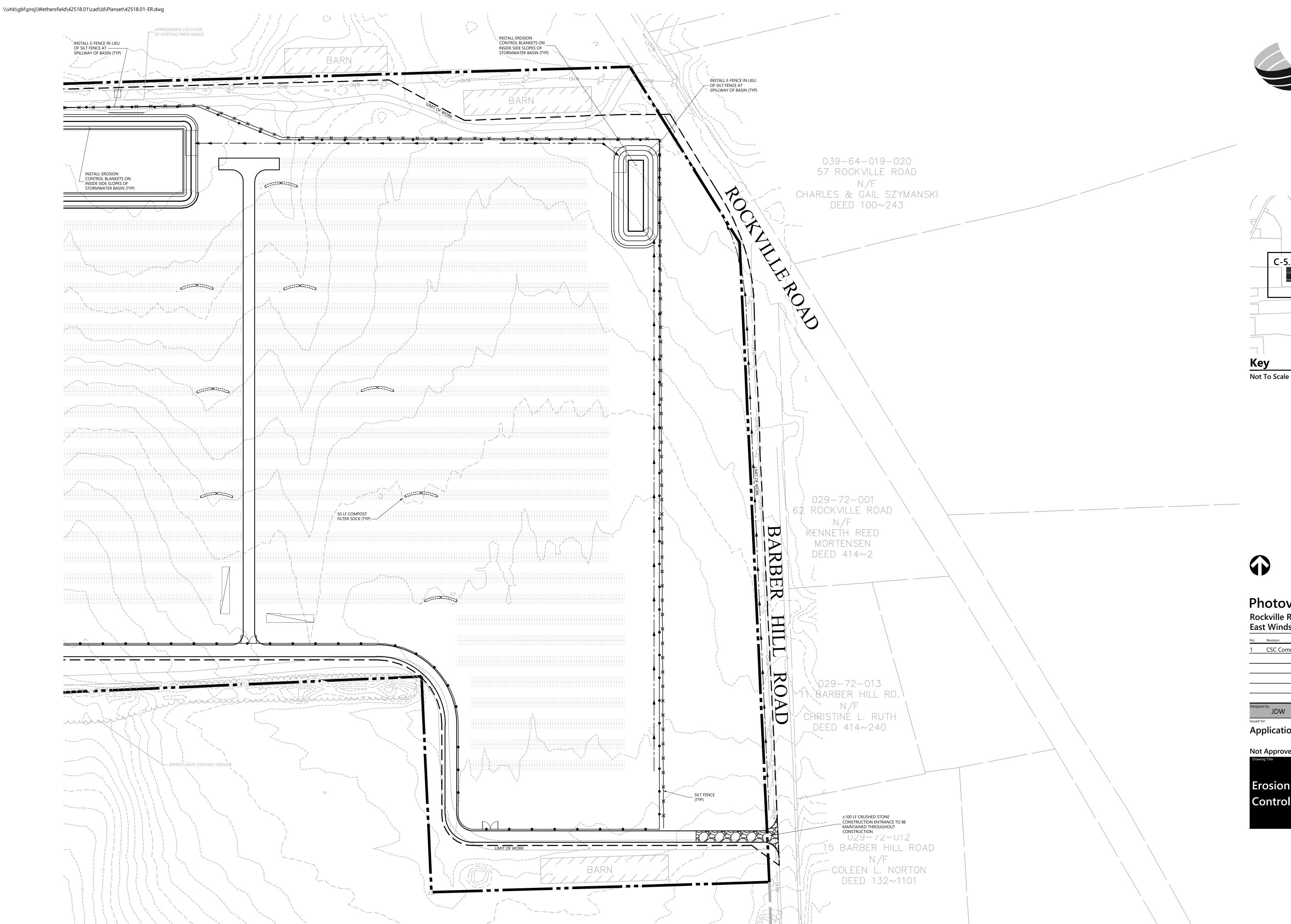
Rockville Road East Windsor, Connecticut

10/5/2020 SJK CSC Comments

Designed by JDW May 29, 2020 **Application**

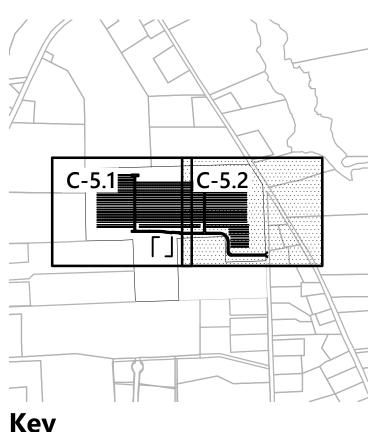
Not Approved for Construction

Erosion and Sediment Control Plan



Thb

100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300





Photovoltaic Installation

Rockville Road East Windsor, Connecticut

No. Revision Date Appvd.

1 CSC Comments 10/5/2020 SJK

Designed by JDW SJK
Issued for Date

Application May 29, 2020

Not Approved for Construction

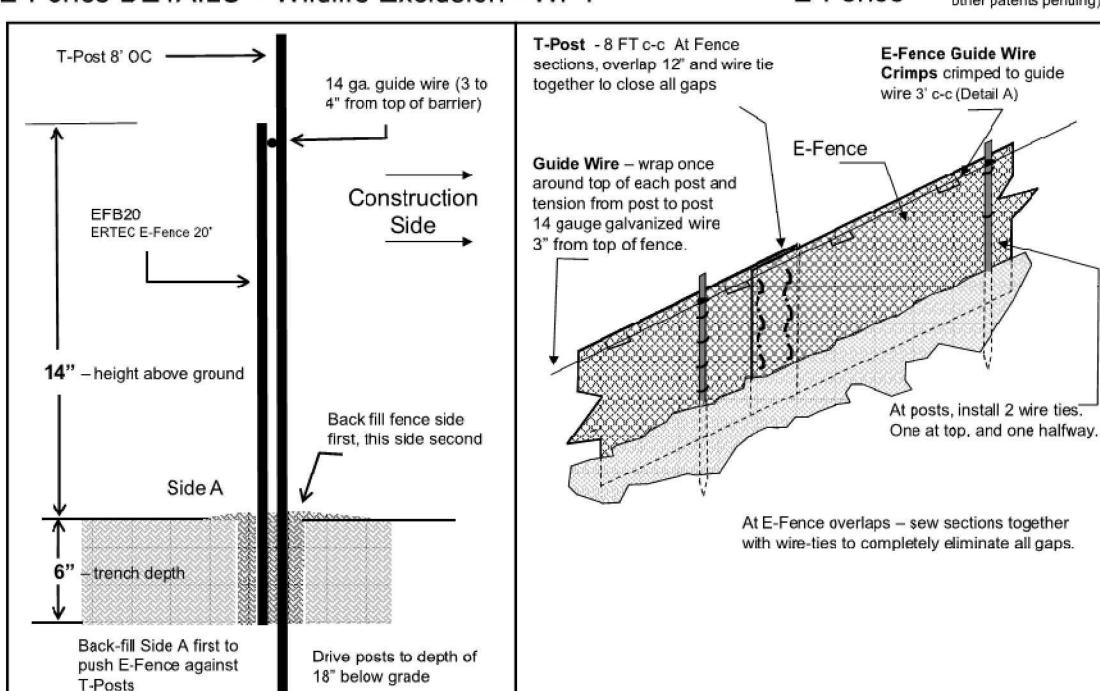
Erosion and Sediment Control Plan

C-5.2

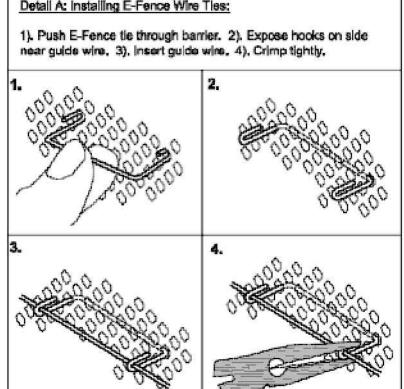
11 13

E-Fence DETAILS - Wildlife Exclusion - WPT

other patents pending)



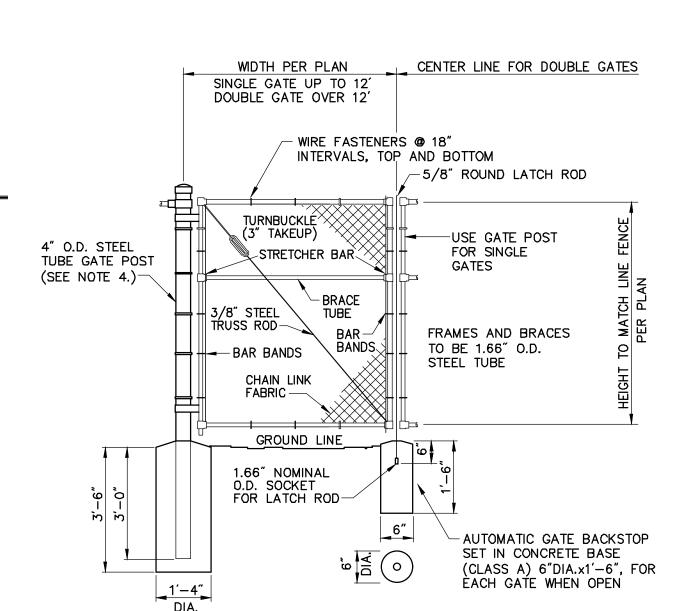
E-Fence DETAILS – Guidewire Crimp Detail A: Instailing E-Fence Wire Ties:



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.



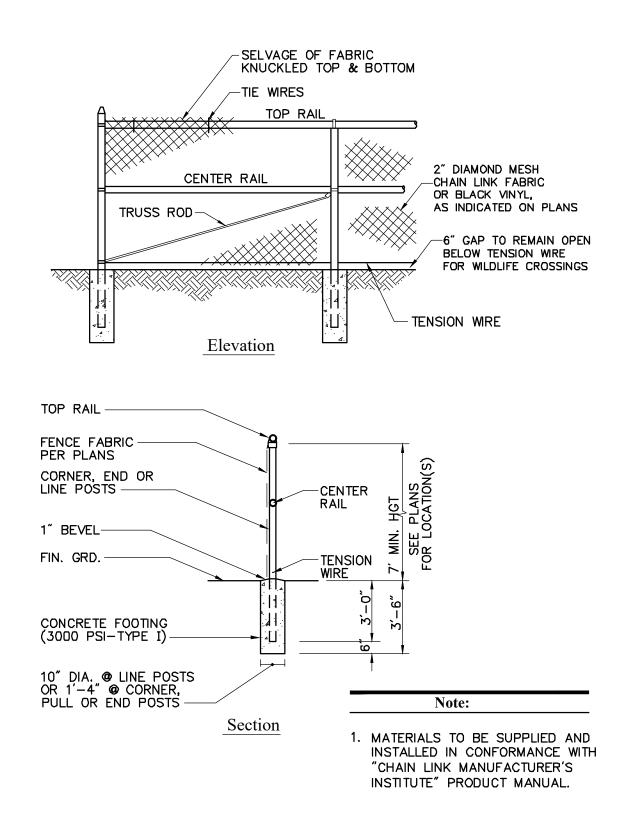
Notes:

- 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			6/0
N.T.S.	Source:	VHB	LD_48

E-Fence Installation Details

N.T.S. Source: Ertec Environmental Systems



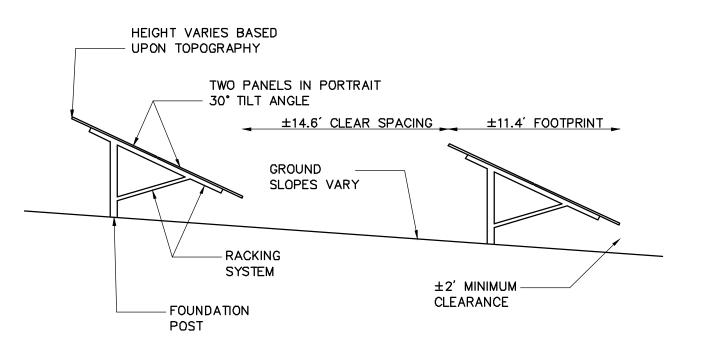
7' Chain Link Fence N.T.S. Source: VHB LD_480



PHOTOVOLTAIC INSTALLATION Site Location: Rockville Road, East Windsor, CT 06016 Owner: Greenskies Clean Energy, LLC Attn: Christopher Ross 180 Johnson Street Middletown, CT 06457 **IN CASE OF EMERGENCY CALL 911** EAST WINDSOR POLICE DEPARTMENT - (860) 292-8240

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 Sit	e Facility Signs	1/16
N.T.S.	Source: VHB	



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.

N.T.S.

Cross Section of Panel Array 7/20

Source: VHB

Photovoltaic Installation

100 Great Meadow Road

Wethersfield, CT 06109

Suite 200

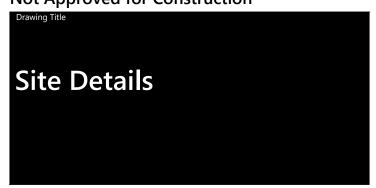
860.807.4300

Rockville Road **East Windsor, Connecticut**

No.	Revision	Date	Appv
1	CSC Comments	10/5/2020	SJI

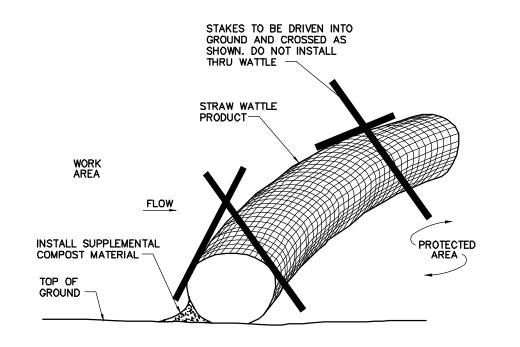
Application	May 29, 2020
Issued for	Date
Designed by JDW	Checked by SJK

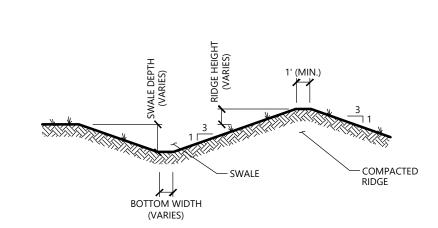
Not Approved for Construction







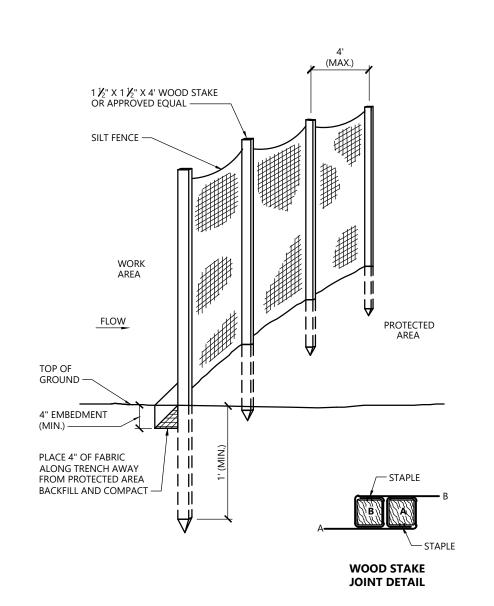




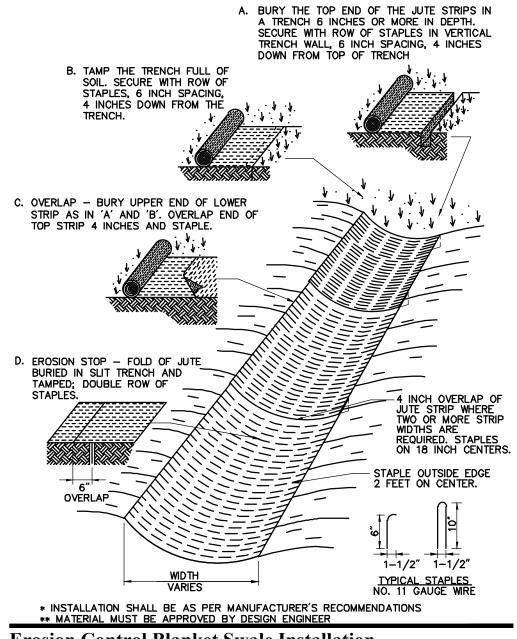
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1 2. REFER TO "DIVERSION SWALE SIZING" TABLE FOR SELECTION OF LINING MATERIAL TO BE INSTALLED OVER ENTIRE SWALE AREA. 3. REFER TO "DIVERSION SWALE SIZING" TABLE FOR VARIABLE SIZING.
4.THE INTENT IS TO USE THE MATERIAL EXCAVATED FROM THE SWALE TO CONSTRUCT THE RIDGE.

Straw Wattle Installation 8/12 N.T.S. LD_658

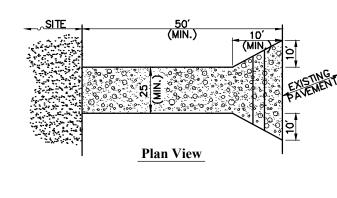
Diversion Swale N.T.S. Source: VHB

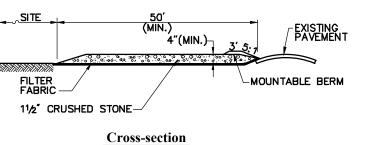


Silt Fence Barrier		1/16
N.T.S.	Source: VHB	LD_650



** MATERIAL MUST	BE APPROVED BY DESIGN ENGINEER	
Erosion Contro	ol Blanket Swale Installation	6/08
N.T.S.	Source: VHB	LD_681



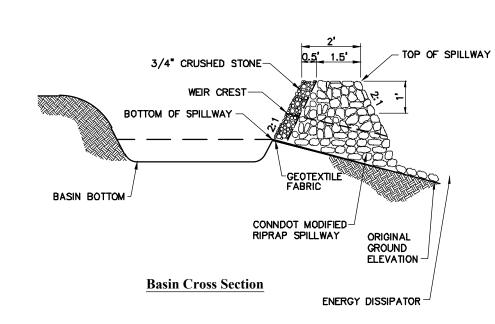


Notes: 1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.

2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.

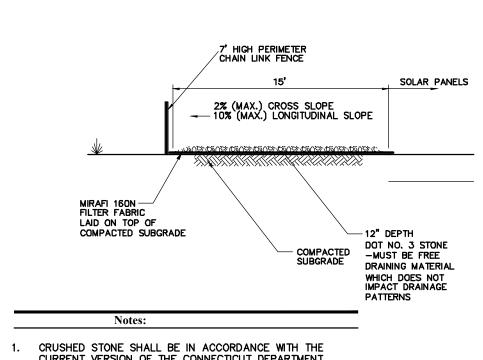
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

Stabilized Construction Exit 6/0		
N.T.S.	Source: VHB	LD_682



1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1 ALL SIDE SLOPES SHALL NOT EXCEED 3:1
 TOP OF EMBANKMENT SHALL BE 2' (MIN.) WIDTH AND 1' (MIN.) ABOVE TOP OF SPILLWAY.
 SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.
 REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING.
 PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY AND REPLACED WITH E-FENCE.

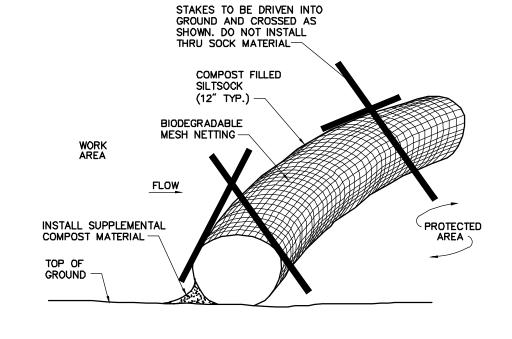
Permanent Stormwater Basin



CRUSHED STONE SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION.

erimeter	Access Cross	Section	n
Γ.S.		Source:	VHB

PERMANENT STORMWATER BASIN SIZING								
NUMBER	BASIN TYPE	LENGTH AT BASIN BOTTOM (TOE OF SLOPE), FT	WIDTH AT BASIN BOTTOM (TOE OF SLOPE), FT	SIDE SLOPES	BOTTOM ELEVATION, FT	ELEVATION OF BOTTOM/CREST OF SPILLWAY, FT	SPILLWAY WIDTH AT BASE, FT	MINIMUM TOP OF BERM ELEVATION, FT
1	INFILTRATION	44	264	3:1	196.5	200.5	9	202.5
2	INFILTRATION	79	234	3:1	196.5	201.3	15	202.8



Notes:						
SILTSOCK SHALL BE 12" APPROVED EQUAL.	DIAMETER	FILTREXX	SILTSOXX,	OR		

- 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)			
N.T.S.	Source: VHB	LD_658	

	DI∨ERSION SWALE SIZING					
NAME	APPROXIMATE TRIBUTARY AREA, AC	APROXIMATE LENGTH, FT	BOTTOM WIDTH, FT	SIDE SLOPES	SWALE DEPTH, FT	LINING MATERIAL
1-1	10.6	160	5	3:1	1.5	ECB
2-1	2.7	360	1	3:1	1	ECB
3-1	1.0	150	1	3:1	1	ECB
3-2	0.6	660	1	3:1	1	ECB
ROADSIDE	10.6	860	4	3:1	5	ECB



100 Great Meadow Road

Wethersfield, CT 06109

Suite 200

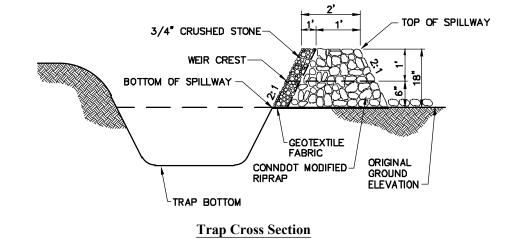
860.807.4300

Rockville Road East Windsor, Connecticut

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



42518.01



NOTE: 1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1 2. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER. 3. TRAP SHALL BE DRAINED AND CLEANED OF SEDIMENT ONCE SEDIMENT IS > 1' ABOVE TRAP BOTTOM.

Temporary Sediment Trap (TST) Stormwater Basin Spillway

N.T.S.

Spillway Cross Section

1. ALL SIDE SLOPES SHALL NOT EXCEED 2:1
2. TOP OF EMBANKMENT SHALL BE 2' (MIN.) WIDTH AND 1' (MIN.) ABOVE TOP OF SPILLWAY.

4. REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING. 5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY.

3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL

Sizing Tables for Temporary & Permanent Stormwater Features