

**GENERAL NOTES:**

**SURVEY NOTES:**

- TOPOGRAPHIC INFORMATION PROVIDED BY DUDEK, DATED MAY 2019.
- PROPERTY BOUNDARY INFORMATION PROVIDED BY FISHER ASSOCIATES, DATED JUNE 19, 2019.
- HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM NAD83, EAST ZONE, U.S. FOOT. VERTICAL DATUM: NAVD88.
- WETLAND BOUNDARY INFORMATION PROVIDED BY TRC DATED MAY 2018.
- EXISTING TREELINE IS APPROXIMATE, BASED ON AERIAL PHOTOGRAPHY.
- ZONING BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF SHARON LAND USE CODE AND ZONING LAW (2017).
- SOILS INFORMATION FROM USDA-NRCS WEB SOIL SURVEY SCHOHARIE COUNTY, NY DATED SEPTEMBER 3, 2018.
- FLOOD ZONE CLASSIFICATION: SITE LIES OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN (ZONE X); AS SHOWN ON THE FOLLOWING MAPS NUMBERED:  
36095C0045E - DATED APRIL 2, 2004  
36095C0040E - DATED APRIL 2, 2004

**SWPPP NOTE:**

THE EROSION AND SEDIMENTATION CONTROL MEASURES FOR THIS PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION STATE DISCHARGE POLLUTANT ELIMINATION SYSTEM GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (GP-0-15-002), OR GP IN EFFECT AT COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

**REMOVAL NOTES:**

- TREES AND OTHER VEGETATION MAY BE REDUCED TO CHIPS BY THE USE OF CHIPPING MACHINES OR STUMP GRINDER AND USED AS REQUIRED FOR EROSION CONTROL. ALL OTHER CHIPS AND WOOD WASTE RESULTING FROM REMOVAL OPERATIONS SHALL BE DISPOSED OF OFF-SITE AT A FACILITY AND IN A MANNER APPROVED BY THE OWNER.
- AREAS IDENTIFIED AS ARCHAEOLOGICAL AVOIDANCE AREAS SHALL BE CLEARED OF TREES ONLY. GROUND DISTURBANCE IS NOT PERMITTED. STUMPS SHALL BE CUT TO A MAXIMUM HEIGHT OF ONE (1) FOOT AND LEFT IN PLACE.
- ALL DEMOLITION WASTE, DEBRIS AND RUBBISH SHALL BE PROPERLY REMOVED FROM THE SITE AS IT OCCURS. ALL MATERIALS SHALL BE PROPERLY DISPOSED OF OFF-SITE IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING IMPROVEMENTS AND FACILITIES TO REMAIN IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND REPLACEMENT OF DAMAGED ITEMS AS A RESULT OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

**SAFETY NOTE:**

WORK WILL BE CARRIED OUT NEAR AND UNDER ENERGIZED EQUIPMENT. EXTREME CAUTION IS REQUIRED AT ALL TIMES. THE CONTRACTOR SHALL STRICTLY FOLLOW ALL NATIONAL GRID SAFETY REQUIREMENTS WHEN WORKING WITHIN THE NIAGARA MOHAWK POWER CORP RIGHT-OF-WAY. FAILURE TO DO SO WILL RESULT IN TERMINATION.

**EARTHWORK:**

UNLESS INDICATED OTHERWISE REFER TO THE LATEST EDITION OF THE STATE OF NEW YORK, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS FOR GENERAL REQUIREMENTS, PRODUCTS AND EXECUTION RELATED TO CONSTRUCTION OF BUT NOT LIMITED TO, CLEARINGS, GRUBBING, ROADS, UTILITY TRENCH EXCAVATION, BORROW, SUBGRADE, SUBBASE, GRANULAR FILL, AND AGGREGATE BASE.

**PROJECT CONSTRUCTION SEQUENCING NOTES:**

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCING OR CONSTRUCTION PHASING PLAN FOR OWNER APPROVAL THAT COMPLIES WITH PERMITTING REQUIREMENTS. THE PLAN SHALL SHOW THAT ACTIVE LAND DISTURBANCE ACTIVITIES WILL BE LIMITED TO LESS THAN FIVE (5) ACRES IN SIZE AND SHALL DISCUSS BUT IS NOT LIMITED TO THE FOLLOWING:

- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED AND THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- PRIOR TO THE START OF ONSITE EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL ESTABLISH THE CONSTRUCTION WORKSPACE LIMITS AND IDENTIFY AND MARK SENSITIVE RESOURCES.
- THE CONTRACTOR SHALL INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) IN ORDER TO PROTECT DOWN GRADIENT AREAS.
- AFTER PERMANENT EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED AND FUNCTIONING ON THE CURRENT CONSTRUCTION PHASE THE CONTRACTOR SHALL OBTAIN OWNER APPROVAL PRIOR TO BEGINNING EARTHWORK ON THE SUBSEQUENT CONSTRUCTION PHASE.

TOWN OF SHARON ZONING SUMMARY		
DIMENSION	UTILITY-SCALE SOLAR COLLECTOR SYSTEM REQUIREMENTS	PROVIDED
MAXIMUM AVERAGE HEIGHT (SOLAR ARRAY)	15 FEET	12 FEET
MINIMUM PARCEL SIZE	15 ACRES	74 ACRES
MINIMUM FRONT YARD SETBACK	100 FEET	100 FEET
MINIMUM SIDE YARD SETBACK	100 FEET	100 FEET
MINIMUM REAR YARD SETBACK	100 FEET	100 FEET
MINIMUM FENCE HEIGHT	8'-6"	8'-6"
MAXIMUM CLEARING EXISTING WOODS	30%	PARCEL 12-2-2: 34.8% PARCEL 12-2-19: 28.4% PARCEL 12-2-11.1: 44.9%
		PARCEL 12-3-25: 2.2%
MAXIMUM COVERAGE IN AGRICULTURAL DISTRICT	20% OR 10 ACRES	PARCEL 12-3-25 79.92 Ac 18.2%

SYSTEM SPECIFICATIONS	
SYSTEM STC DC RATING (MW)	77.65
SYSTEM AC CAPACITY (MW)	55.44
SYSTEM AC RATING AT POI	50
DC/AC RATIO AT POI	1.55
MODULE MODEL	JINKO 415W / SAFE HARBOR 370W
MODULE STC DC RATING (W)	415 / 370
MODULE COUNT	188,526 (175,344 / 13,182)
MODULES PER STRING	26
STRING COUNT	7251
3 STRING TRACKER	1974
2 STRING TRACKER	482
1 STRING TRACKER	365
INVERTER MODEL	PE FS3360MVA 1500V
INVERTER RATING (MW)	3.47
QUANTITY OF INVERTERS	16
TRANSFORMER RATING (MVA)	3.75
QUANTITY OF TRANSFORMERS	16
DC SYSTEM VOLTAGE (V)	1500
INTERCONNECTION VOLTAGE (KV)	34.5 / 115
TRANSMISSION LENGTH (MILES)	0
RACKING SYSTEM	TRACKER (1 HIGH IN PORTRAIT)
MODULE TILT	-60 DEG TO 60 DEG
AZIMUTH	0 DEG AXIS
INTER-ROW SPACING (LF)	12.96
ROW-TO-ROW SPACING (LF)	19.38
PROPERTY AREA (ACRES)	1,010
FENCED AREA (ACRES)	352
FENCING LENGTH (LF)	45,496
ROADS (LF)	20,871

CUT AND FILL REPORT						
NAME	CUT - TOPSOIL (REUSE IN PLACE)	CUT - TOPSOIL (EXCESS)	CUT - SUBSOIL	FILL - SUBSOIL	NET	CRUSHED STONE
	(Cu. Yd.)	(Cu. Yd.)	(Cu. Yd.)	(Cu. Yd.)	(Cu. Yd.)	(Cu. Yd.)
AREA 1	12177	1948	23192	19859	3333<Cut>	3895
AREA 2	3742	204	2409	3301	891<Fill>	409
AREA 3	6127	303	17250	7930	9320<Cut>	384
AREA 4	30420	3285	65580	80772	15192<Fill>	9494
AREA 5	17050	997	30588	27973	2615<Cut>	1994
TOTAL	69516	6737	139018	139834	816<Fill>	16175

NOTE: CRUSHED STONE VOLUME NOT ACCOUNTED FOR IN NET VOLUME TOTALS.

EXISTING	LEGEND	PROPOSED
	PROPERTY/ROW LINE	
	SETBACK LINE	
	EASEMENT LINE	
	LIMIT OF DISTURBANCE	
	EDGE OF PAVEMENT	
	CURBING	
	EDGE OF GRAVEL	
	CONTOUR MINOR	
	CONTOUR MAJOR	
	BUILDING	
	STONEWALL	
	TREELINE	
	CHAIN LINK FENCE	
	CULVERT	
	OVERHEAD ELECTRIC UTILITY POLE	
	UTILITY POLE W/ GUY	
	UTILITY POLE W/ LIGHT	
	LIGHT POLE	
	BOLLARD	
	SOILS	
	STREAM	
	STREAM BUFFER	
	EDGE OF WETLANDS	
	WETLAND BUFFER	
	WETLANDS, DELINEATED	
	WETLANDS, APPROXIMATE	
	WETLANDS, NYSDEC	
	DRAINAGE FLOW	
	DRAINAGE SWALE	
	SIGN	
	MAILBOX	
	STONE CHECK DAM	
	SILT FENCE	
	UNDERGROUND COLLECTOR SINGLE CIRCUIT	
	UNDERGROUND COLLECTOR DOUBLE CIRCUIT	

327851-EAST POINT-OPT 2\_G-003.dwg 2019.12.05

PERMITTING  
NOT FOR CONSTRUCTION

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

	249 Western Avenue Augusta, ME 04330	PROJECT NO: 327851				PRELIMINARY GENERAL NOTES & LEGEND EAST POINT ENERGY CENTER EAST POINT ENERGY CENTER, LLC SCHOHARIE CO., NY																														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DES</th> <th>CHK</th> <th>APP</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>REVISED PER REVIEW COMMENTS</td> <td>12-05-19</td> <td>TRC</td> <td>TRC</td> <td></td> </tr> <tr> <td>E</td> <td>ISSUED FOR CLIENT REVIEW</td> <td>08-30-19</td> <td>CMW</td> <td>RAY</td> <td></td> </tr> <tr> <td>D</td> <td>ISSUED FOR CLIENT REVIEW</td> <td>08-22-19</td> <td>CMW</td> <td>PMM</td> <td></td> </tr> <tr> <td>C</td> <td>ISSUED FOR CLIENT REVIEW</td> <td>08-02-19</td> <td>CMW</td> <td>PMM</td> <td></td> </tr> </tbody> </table>		REV	DESCRIPTION	DATE	DES	CHK	APP	F	REVISED PER REVIEW COMMENTS	12-05-19	TRC	TRC		E	ISSUED FOR CLIENT REVIEW	08-30-19	CMW	RAY		D	ISSUED FOR CLIENT REVIEW	08-22-19	CMW	PMM		C	ISSUED FOR CLIENT REVIEW	08-02-19	CMW	PMM		SHARON		APPROVED	G-003
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