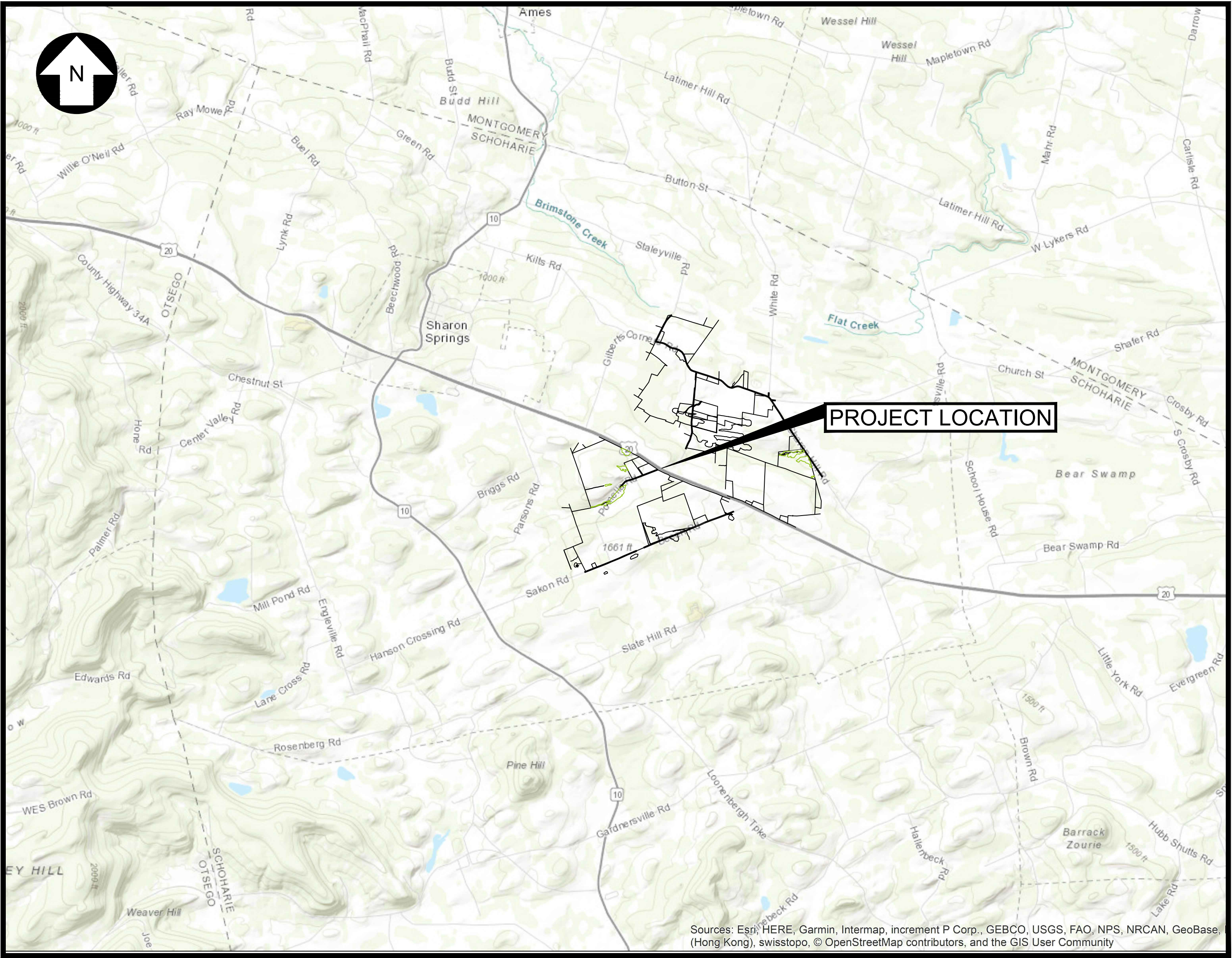


# EAST POINT ENERGY CENTER

TOWN OF SHARON  
SCHOHARIE COUNTY, NEW YORK  
LAT: 42.774397°  
LONG: -74.572772°

PREPARED FOR:  
EAST POINT ENERGY CENTER, LLC  
700 UNIVERSE BLVD.  
JUNO BEACH, FL 33408



LOCATION MAP  
N.T.S.

PERMITTING  
NOT FOR CONSTRUCTION



REFERENCE ITEMS		REV	DESCRIPTION	DATE	DES	CHK	APP
		D	ISSUED FOR PERMITTING	08-30-19	CMW	PMM	
		C	ISSUED FOR CLIENT REVIEW	08-22-19	CMW	RAY	
		B	ISSUED FOR CLIENT REVIEW	08-02-19	CMW	PMM	
		A	ISSUED FOR CLIENT REVIEW	06-20-19	CMW	PMM	



249 Western Avenue  
Agusta, ME 04330

PROJECT NO: 327851

CMW  
DESIGNED  
CMW  
DRAWN  
RAY  
CHECKED  
APPROVED

PRELIMINARY  
COVER SHEET  
EAST POINT ENERGY CENTER  
EAST POINT ENERGY CENTER, LLC  
SCHOHARIE CO., NY

SHARON

REVIEW 1  
REVIEW 2

04/08  
DATE  
AS NOTED  
SCALE



G-001

REV.  
D



## GENERAL DRAWING INDEX:

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G-002	DRAWING INDEX
G-003	GENERAL NOTES/LEGEND

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C-028 THRU 054	GRADING AND DRAINAGE PLANS
C-101	CIVIL DETAILS 1
C-102	CIVIL DETAILS 2
C-103	SOLAR PANEL & RACKING DETAILS 1
C-104	FENCING DETAILS
C-201	EROSION & SEDIMENTATION CONTROL DETAILS 1
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S-005	COLLECTOR SUBSTATION YARD LIGHTING PLAN
S-006	COLLECTOR SUBSTATION FENCE & GROUNDING PLAN
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S-016	SWITCHYARD CONTROL HOUSE ELECTRICAL LAYOUT PLAN



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CS-003	COLLECTION SYSTEM SECTIONALIZING ENCLOSURE
CS-004	COLLECTION SYSTEM GROUNDING DETAILS

### TRANSMISSION DRAWING INDEX:

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T-002	PLAN & PROFILE DRAWING



<div></div> <div>249 Western Avenue Agusta, ME 04330</div>		PROJECT NO: 327851						<div>TRC DESIGNED</div> <div>TRC DRAWN</div> <div>RAY CHECKED</div> <div>APPROVED</div>		<div>PRELIMINARY DRAWING INDEX EAST POINT ENERGY CENTER EAST POINT ENERGY CENTER, LLC SHARON SCHOHARIE CO., NY</div>				
								<div>REVIEW 1 DATE</div> <div>REVIEW 2</div>	<div>04/08 DATE</div> <div>AS NOTED</div>	<div></div>		<div>G-002</div>	<div>REV. A</div>	
REFERENCE ITEMS		REV	DESCRIPTION				DATE	DES	CHK	APP				
		A	ISSUED FOR PERMITTING				08-30-19	CMW	PMM					

GENERAL NOTES:

SURVEY NOTES:

1. TOPOGRAPHIC INFORMATION PROVIDED BY DUDEK, DATED MAY 2019.
2. PROPERTY BOUNDARY INFORMATION PROVIDED BY FISHER ASSOCIATES, DATED JUNE 19, 2019.
3. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM NAD83, EAST ZONE, U.S. FOOT. VERTICAL DATUM: NAVD88.
4. WETLAND BOUNDARY INFORMATION PROVIDED BY TRC DATED MAY 2018.
5. EXISTING TREELINE IS APPROXIMATE, BASED ON AERIAL PHOTOGRAPHY.
6. ZONING BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF SHARON LAND USE CODE AND ZONING LAW (2017).
7. SOILS INFORMATION FROM USDA-NRCS WEB SOIL SURVEY SCHOHARIE COUNTY, NY DATED SEPTEMBER 3, 2018.
8. 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:

1. 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.
2. 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.
3. 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.
4. 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, CLEARING, 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:

1. 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.
2. PRIOR TO THE START OF ONSITE EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL ESTABLISH THE CONSTRUCTION WORKSPACE LIMITS AND IDENTIFY AND MARK SENSITIVE RESOURCES.
3. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) IN ORDER TO PROTECT DOWN GRADIENT AREAS.
4. 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.

LEGEND

EXISTING	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 SINGLE CIRCUIT

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.

<div> 249 Western Avenue Augusta, ME 04330</div>						PROJECT NO: 327851				<div><div>CMW DESIGNED</div><div>CMW DRAWN</div><div>RAY CHECKED</div><div>APPROVED</div></div>		<div>PRELIMINARY GENERAL NOTES &amp; LEGEND EAST POINT ENERGY CENTER EAST POINT ENERGY CENTER, LLC SCHOHARIE CO., NY</div>					
REV	DESCRIPTION					DATE	DES	CHK	APP	<div>SHARON</div>	<div><div>04/11 DATE</div><div>AS NOTED SCALE</div></div>	<div></div>	<div>G-003</div>	<div>REV. E</div>			
E	ISSUED FOR PERMITTING					08-30-19	CMW	PMM									
D	ISSUED FOR CLIENT REVIEW					08-22-19	CMW	RAY									
C	ISSUED FOR CLIENT REVIEW					08-02-19	CMW	PMM									
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