# BARON WINDS PROJECT

TOWNS OF COHOCTON, DANSVILLE, FREMONT, AND WAYLAND STEUBEN COUNTY, NEW YORK

## WETLAND AND STREAM IMPACT DRAWINGS

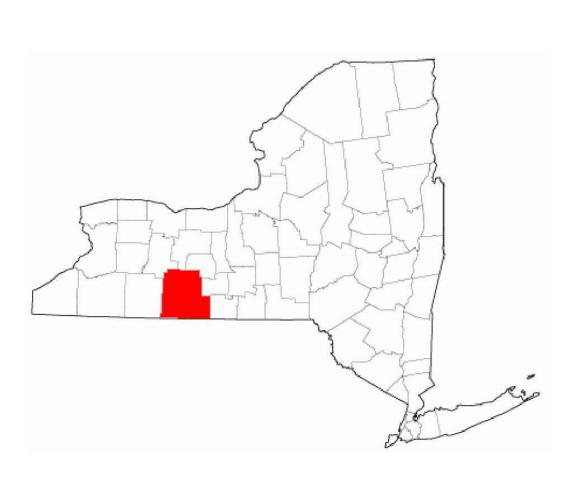
EDR JOB #13039 NOVEMBER 2017

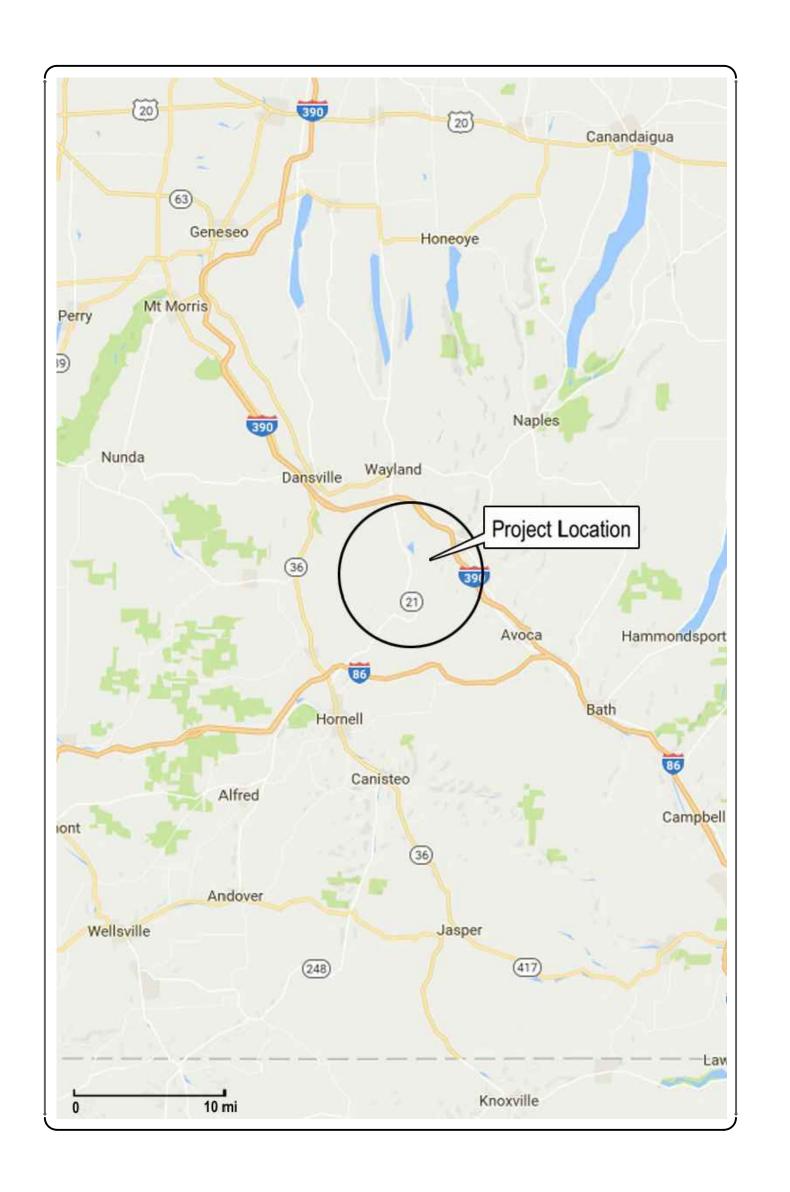
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### Prepared by:







### Regional Drawing List:

G-000 DRAWING LIST & REGIONAL INDEX SHEET

G-001 GENERAL NOTES SHEET

AREA 1 OVERVIEW SHEETS 1.1 - 1.8

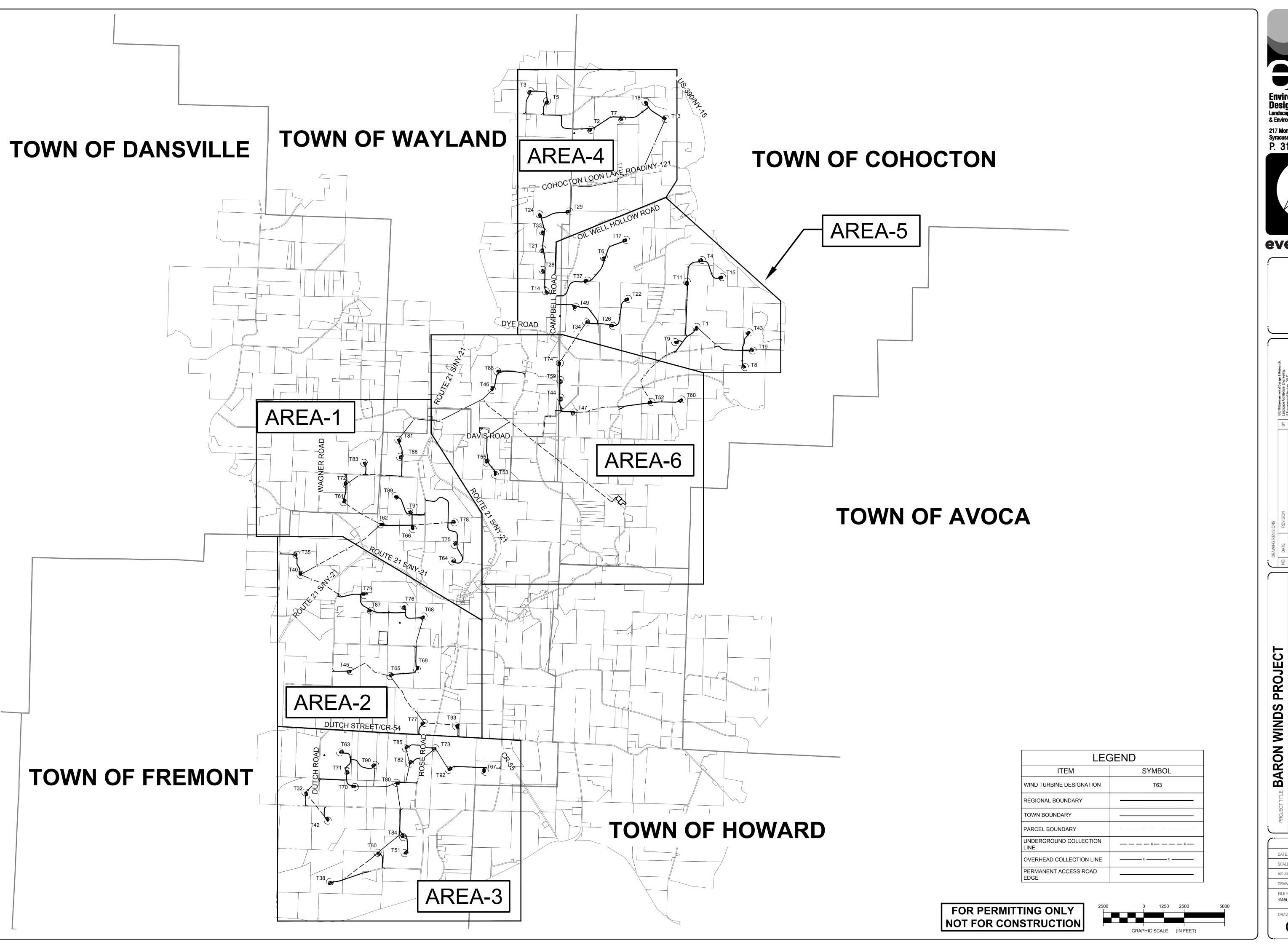
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FOR PERMITTING ONLY NOT FOR CONSTRUCTION







everpewer

| DRAWING REVISIONS | NO. DATE | REVISION | BY | Landscape Architecture. Engineering. | Research, Landscape Architecture. Engineering. | Review of the search | Landscape Architecture. Engineering. | Review of the search | Landscape Architecture. Engineering. | Review of the search | Landscape Architecture. Dr. C. The following is parabhrated from the New York Education. | Landscape Architecture. Dr. C. The following is parabhrated from the New York Education | Law, Article 145, Section 7209, and Chapter II. Section | 79-14, and applies to this drawing. This a violation of this seal architecture is a violation of the alternation in any way. If an item bearing the seal of an engineer, landscape architect or lands surveyor is altered. In a landscape architect or lands surveyor is altered. In the alternation. | Law, Article 145, Section 7209, and Chapter II. Section | 79-14, and applies to this chapter. In a violation of the alternation. | Law, Article 145, Section 7209, and Chapter II. Section | 79-14, and applies to this chapter. In a violation of the alternation. | Law, Article 145, Section 7209, and Chapter II. Section | 79-14, and applies to this chapter. In a violation of the alternation. | Law, Article 145, Section 7209, and Chapter II. Section | 79-14, and applies to the search of the alternation. | Law, Article 145, Section 7209, and Chapter II. Section | 79-14, and 20-14, and Chapter III. Section | 79-14, and 20-14, and Chapter III. Section | 79-14, and 20-14, and 2

TOWNS OF COHOCTON, DANSVILLE, FREMONT, AND WAYLAND STEUBEN COUNTY, NEW YORK

EVERPOWER WIND HOLDINGS

DATE: NOVEMBER 17, 2017

SCALE: 1" = 2500'

edr Job#: 13039

DRAWN BY: AW, ZR, TS

FILE NAME:
13039\_Cover\_Impact Analysis\_Working.dw

FILE NAME:
13039\_Cover\_Impact Analysis\_Wo
DRAWING NUMBER:

- ALL WORK AND AMENITIES SHOWN ON THE CONTRACT DOCUMENTS SHALL BE CONSIDERED AS "NEW" UNLESS INDICATED TO BE "EXISTING".

  THE BALANCE OF PLANT (BOP) CONTRACTOR SHALL BECOME FAMILIAR WITH
- THE BALANCE OF PLANT (BOP) CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS PRIOR TO THE START OF ANY CONSTRUCTION SITE DISTURBANCE.
   THIS PROJECT WILL OBTAIN COVERAGE UNDER THE NEW YORK STATE
- 3. THIS PROJECT WILL OBTAIN COVERAGE UNDER THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, PERMIT NO. GP-0-15-002 (GENERAL PERMIT), EFFECTIVE JANUARY 29, 2015 WITH AN EXPIRATION DATE OF JANUARY 28, 2020. THE GENERAL PERMIT AUTHORIZES STORMWATER DISCHARGES TO SURFACE WATERS OF THE STATE FROM CONSTRUCTION RELATED ACTIVITIES. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED IN ACCORDANCE WITH THIS PERMIT, AND IS PART OF THE CONTRACT AND CONSTRUCTION REQUIREMENTS FOR THIS PROJECT.
- 4. THE BOP CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAKE ALL NECESSARY PROVISIONS FOR PROTECTION OF THE PUBLIC, THE WORKMEN AND THE WORK, AND FOR MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION.
- 5. SITE ACCESS IS RESTRICTED TO THE LOCATIONS SPECIFICALLY DESIGNATED ON PLAN.
- 6. THE BOP CONTRACTOR SHALL ADHERE TO ALL OCCUPATIONAL SAFETY AND
- HEALTH ADMINISTRATION (OSHA), STATE AND LOCAL SAFETY REGULATIONS.

  7. PROMPTLY REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES FOUND ON THE SITE OR IN THE CONTRACT DOCUMENTS FOR REVIEW AND RESOLUTION BEFORE PROCEEDING WITH THE WORK IN THE AREA IN QUESTION. PROVIDE FIELD INFORMATION SPECIFIC TO THE DISCREPANCY TO EXPEDITE RESOLUTION.
- 8. LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS.
- 9. THE BOP CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND MAINTENANCE OF SURFACE WATER AND/OR GROUNDWATER ENCOUNTERED DURING THE COURSE OF WORK.
- 10. COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS REGARDING MATERIALS, METHODS OF WORK AND DISPOSAL OF EXCESS AND WASTE MATERIALS.
- BURNING OF MATERIALS OF ANY DESCRIPTION ON THE SITE IS PROHIBITED.
   PRIOR TO PERFORMING ANY EXCAVATION WITHIN THE CONSTRUCTION AREA, CONFIRM WITH DIG SAFELY NEW YORK AT 1-800-962-7962 THAT ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE CURRENTLY VERIFIED, OR ARRANGE
- FOR VERIFICATION.

  13. THE BOP CONTRACTOR'S ATTENTION IS DIRECTED TO ALL APPLICABLE LAWS REGARDING LIABILITY INCURRED THROUGH THE DISTURBANCE AND DESTRUCTION OF GEODETIC SURVEY MONUMENTS.
- 14. ALL EROSION AND SEDIMENT CONTROL DEVICES AND THE CONSTRUCTION FENCE SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH THEIR DESIGN, AND MAINTAINED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION THROUGHOUT THE CONSTRUCTION PROCESS.
- 15. THE START OF ANY ON-SITE CONSTRUCTION INCLUDING STRIPPING TOPSOIL, REMOVING CUT OR PLACING FILL MATERIAL ESTABLISHES THAT THE BOP CONTRACTOR ACCEPTS THE CONTRACT DOCUMENTS AS ACCURATELY REPRESENTING THE EXISTING SITE CONDITIONS.
- 16. PRIOR TO START OF WORK, THE BOP CONTRACTOR SHALL PROVIDE EXPLORATORY EXCAVATIONS AND COORDINATE ALL PIPING LAYOUTS WITH THE OWNER'S REPRESENTATIVE TO ELIMINATE ALL CONFLICTS WITH EXISTING UTILITIES.
- THE USE OF EXPLOSIVES OF ANY DESCRIPTION ON THE SITE IS PROHIBITED.
   PROTECT EXISTING TREES AND OTHER SITE AMENITIES INDICATED TO REMAIN DURING CONSTRUCTION. INSTALL PROTECTIVE FENCING AS INDICATED ON THE DRAWINGS AND/OR AS DETAILED. EXERCISE ALL REASONABLE CARE WHEN WORKING IN CLOSE PROXIMITY TO EXISTING VEGETATION TO AVOID DAMAGE. AVOID THE USE OF HEAVY EQUIPMENT OR STOCKPILING MATERIALS WITHIN THE DRIP LINE.
- 19. CONSTRUCTION DEBRIS AND DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT REGULAR INTERVALS AS DETERMINED BY THE OWNER'S REPRESENTATIVE AND SHALL NOT BE ALLOWED TO ACCUMULATE. EMPLOY APPROPRIATE MEASURES TO PREVENT LOOSE DEBRIS FROM LEAVING THE CONSTRUCTION AREA.
- 20. PRIOR TO PERFORMING ANY SITE DEMOLITION, CLEARING OR EARTHWORK ACTIVITY WITHIN THE CONSTRUCTION AREA, ESTABLISH THE LIMITS OF ALL AREAS TO BE DISTURBED. INSTALL ALL REQUIRED TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND THE CONSTRUCTION FENCE IN A TIMELY MANNER FOR THE APPROPRIATE PHASE OF CONSTRUCTION TO MINIMIZE THE IMPACT ON THE SURROUNDING ENVIRONMENT, AND PROTECT THE GENERAL PUBLIC AND THE WORK.
- 21. THE BOP CONTRACTOR SHALL SECURE PORTIONS OF THE SITE THAT ARE UNDER CONSTRUCTION AS NECESSARY TO PROTECT THE PUBLIC AND TO PROTECT THE WORK IN PROGRESS. OPEN EXCAVATIONS SHALL BE PROPERLY PROTECTED AT ALL HOURS.
- 22. ALL FACILITIES TO BE CONSTRUCTED OR INSTALLED SHALL COMPLY WITH ALL SECTIONS AND LATEST REVISIONS OF THE REQUIREMENTS OF ALL AGENCIES OF GOVERNMENT HAVING JURISDICTION.
- 23. EXISTING UTILITIES (LOCATIONS, SIZES AND INVERT ELEVATIONS) SHOWN ON THE PLANS HAVE BEEN PLOTTED FROM FIELD SURVEYS AND RECORDED MAPS AND SHALL BE INTERPRETED AS APPROXIMATE ONLY. THE BOP CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXISTING INFORMATION AT
- LOCATIONS IN CLOSE PROXIMITY TO UTILITIES UNDER CONSTRUCTION.

  24. LONG LEAD AND SCARCE MATERIALS SHALL BE ORDERED IN A TIMELY MANNER
  TO PREVENT AVOIDABLE CONSTRUCTION DELAYS.
- 25. THE BOP CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE CAUSED BY CONSTRUCTION TO EXISTING UTILITIES AND FACILITIES WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. THE BOP CONTRACTOR SHALL REPAIR, RESTORE AND/OR REPLACE ALL DAMAGE TO THE SATISFACTION OF OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
   26. THE BOP CONTRACTOR SHALL RESTORE ALL DISTURBED SURFACES TO
- ORIGINAL OR BETTER CONDITION INCLUDING 6 INCHES OF TOPSOIL, SEED, FERTILIZER, AND MULCH. OTHER SURFACES SHALL BE RESTORED AS SHOWN ON THE DETAILS.

#### EROSION & SEDIMENT CONTROL PLAN NOTES

- REFER TO THE CONSTRUCTION SEQUENCE IN THE PRELIMINARY SWPPP.
   THE BOP CONTRACTOR WILL INSTALL EROSION AND SEDIMENT CONTROL PRACTICES
  AS SHOWN ON THE SWPPP, AS WARRANTED BY SITE CONDITIONS, AND THROUGHOUT
  ALL PHASES OF CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE STABILIZED PER THE NYS STANDARDS FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY BASED ON SITE CONDITIONS.
   DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN THE TIME FRAME
- REQUIRED BY THE SWPPP.

  5. EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO A STABILIZED CONSTRUCTION ENTRANCE, STABILIZED CONSTRUCTION STAGING AREA AND SILT FENCE SHALL BE THE FIRST ITEMS CONSTRUCTED WHEN SITE WORK
- DISTURBANCE BEGINS.

  6. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH THEIR DESIGN. ANY NEED FOR REPAIRS OR MAINTENANCE SHALL BE ADDRESSED IMMEDIATELY TO ASSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION THROUGHOUT THE CONSTRUCTION PROCESS.

BEGINS, AND MUST BE COMPLETELY FUNCTIONAL BEFORE DOWN SLOPE LAND

- 7. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM AND FUEL TANK DRAIN DOWN, DEGREASING OPERATIONS AND OTHER ACTIVITIES THAT MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS MUST BE CONDUCTED OFF-SITE. ACCIDENTAL SPILLS MUST BE CLEANED UP IMMEDIATELY AND CONTAMINANTS DISPOSED OF PROPERLY
- THE BOP CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING TO PROVIDE DUST CONTROL DURING CONSTRUCTION.
   THE BOP CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES, AS SHOWN ON THE DETAIL SHEETS, AS NECESSARY
- DURING THE COURSE OF CONSTRUCTION AT NO COST TO THE OWNER.

  10. THE BOP CONTRACTOR SHALL INSTALL AND MAINTAIN THE STABILIZED
  CONSTRUCTION ENTRANCE TO PREVENT THE TRANSPORT OF SEDIMENT ONTO
  PUBLIC ROADS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 11. CONSTRUCTION ENTRANCES WILL BE INSTALLED FOR THE ACCESS ROADS AT EACH JUNCTION WITH A PUBLIC ROAD UNLESS OTHERWISE INDICATED ON THE FINAL CONSTRUCTION DRAWINGS.

- 12. IF SEDIMENT IS TRANSPORTED ONTO ROADS, IT MUST BE REMOVED FROM THE ROAD SURFACE ON A DAILY BASIS AND PRIOR TO RAIN EVENTS. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTAMINATION OF
- STORMWATER AND SURFACE WATER.

  13. VEGETATION SHALL BE PROTECTED OUTSIDE OF THE LIMITS OF DISTURBANCE.
- 14. ALL EXISTING TOPSOIL SHALL BE STOCKPILED TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS FOR THE ESTABLISHMENT OF VEGETATION.
- 15. THE BOP CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR LOCATING SOIL AND EXCESS EXCAVATED EARTH STOCK PILES AT A STABLE LOCATION THAT DO NOT INTERFERE WITH CONSTRUCTION ACTIVITIES, AND STORMWATER RUNOFF, AND ARE NOT IN ENVIRONMENTALLY SENSITIVE AREAS. STOCK PILES SHALL BE STABILIZED PER THE DETAIL.
- 16. CONSTRUCTION WORK AREAS AND ACCESS ROADS MAY BE IMPROVED AS NECESSARY IN ACCORDANCE WITH THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL TO ALLOW CONSTRUCTION ACCESS. ANY IMPROVEMENTS, UNLESS DEEMED PERMANENT ON FINAL CONSTRUCTION DRAWINGS SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION AND THE AREA RESTORED TO A VEGETATED CONDITION.
- 17. THE BOP CONTRACTOR IS RESPONSIBLE FOR THE PLACEMENT, DESIGN, APPROVAL, AND OPERATION OF CONCRETE WASHOUTS. THE CONCRETE WASHOUTS SHALL BE INSTALLED A MINIMUM OF 50 FEET AWAY FROM STORM DRAINAGE, SURFACE WATER, OR OTHER SENSITIVE AREAS. CONCRETE WASTE MATERIAL SHALL NOT BE ALLOWED TO OVERFLOW OR OTHERWISE DISCHARGE FROM CONCRETE WASHOUT.
- 18. FOR INSTALLED SEDIMENT CONTROL PRACTICES, REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS WHEN THE ACCUMULATION HAS REACHED A DEPTH OF 25% OF THE HEIGHT AND/OR VOLUME OF THE PRACTICE'S CAPACITY, OR MORE FREQUENTLY AS REQUIRED BY THE DETAILS.
- 19. THE BOP CONTRACTOR SHALL PROVIDE PORTABLE HANDWASHING AND SANITARY FACILITIES, THESE FACILITIES SHALL BE SERVICED REGULARLY BY AN APPROVED SERVICE PROVIDER.
- 20. SOLID WASTE SHALL BE STORED IN COVERED DUMPSTERS OR OTHER APPROPRIATE CONTAINERS. WASTE IS TO BE DISPOSED OF REGULARLY AND PROPERLY IN ACCORDANCE WITH LOCAL, STATE, AND/OR FEDERAL REGULATIONS.
- 21. THE EROSION AND SEDIMENT CONTROLS ARE SHOWN FOR A CONDITION WHEN ALL WORK IS OCCURRING SIMULTANEOUSLY. ACTUAL INSTALLATIONS SHALL BE ADJUSTED BASED ON CURRENT CONSTRUCTION ACTIVITY AND SITE CONDITIONS.
- 22. DURING ROUGH GRADING, LEAVE SLOPE SURFACES SLIGHTLY ROUGHENED TO A DEPTH OF 1-2 INCHES DO NOT BACK BLADE SLOPES.

#### PRELIMINARY CONTRACTOR NOTES:

- 1. THE PROPOSED FACILITY COMPONENTS DEPICTED ON THE FINAL CONSTRUCTION DRAWINGS WILL BE DELINEATED IN THE FIELD BY EITHER LATH MARKERS, SURVEYORS
- RIBBON, PIN FLAGS, OR SUITABLE EQUIVALENT, BY A NYS LICENSED SURVYOR.

  2. THE BOUNDARIES OF ALL STREAMS, WETLANDS, AND WETLAND ADJACENT AREAS AS DEPICTED ON THE FINAL CONSTRUCTION DRAWINGS WILL BE MARKED IN THE FIELD BY EITHER LATH MARKERS, SURVEYORS RIBBON, PIN FLAGS, OR SUITABLE EQUIVALENT PRIOR TO CONSTRUCTION BY THE BOP CONTRACTOR. ALL BOUNDARY MARKINGS IN THE FIELD SHALL REMAIN IN PLACE UNTIL CONSTRUCTION HAS ENDED.
- 3. THE BOUNDARIES OF ALL AREAS OF TREES TO BE CLEARED AS DEPICTED ON THE FINAL CONSTRUCTION DRAWINGS WILL BE MARKED IN THE FIELD BY EITHER LATH MARKERS, SURVEYORS RIBBON, PIN FLAGS, OR SUITABLE EQUIVALENT PRIOR TO CONSTRUCTION BY THE BOP CONTRACTOR. VEGETATION OUTSIDE OF THIS LIMIT SHALL NOT BE
- ANY DISRUPTION TO NYSDEC REGULATED WETLANDS WILL BE MINIMIZED. NYSDEC'S FIELD REPRESENTATIVE WILL NOTIFY THE DEPARTMENT OF PUBLIC SERVICE (DPS) STAFF REPRESENTATIVE AND THE APPLICANT'S REPRESENTATIVE OF ANY ACTIVITIES THAT VIOLATE OR MAY VIOLATE EITHER THE TERMS OF THE CERTIFICATE OR THE ENVIRONMENTAL CONSERVATION LAW. DPS AND NYSDEC STAFFS' FIELD REPRESENTATIVES WILL WORK COOPERATIVELY TO DETERMINE WHETHER STOP WORK AUTHORITY WILL BE EXERCISED, OR WHETHER TO DIRECT THE APPLICANT TO TAKE ACTION TO FURTHER MINIMIZE IMPACTS TO STREAMS AND WETLANDS.
- 5. RESTRICTED ACTIVITIES PERTAIN TO A BUFFER ZONE OF 100 FEET ON EITHER SIDE OF THE BOUNDARIES OF WATER-RELATED RESOURCES (STREAMS, WETLANDS, SPRINGS, WELLS, DRAINAGE, ETC.) AND INCLUDE THE FOLLOWING RESTRICTIONS:
- 5.1. NO DEPOSITION OF SLASH WITHIN IDENTIFIABLE STREAM CHANNELS OR WOOD CHIPS WITHIN 25 FEET OF WETLANDS;
- 5.2. NO UNNECESSARY REMOVAL OF WOODY VEGETATION OR DEGRADATION OF STREAM BANKS;
  5.3. NO EQUIPMENT WASHING OR REFUELING EXCEPT AS SPECIFIED IN THE FINAL
- CONSTRUCTION DRAWINGS;

  5.4. NO STORAGE MIXING OR HANDLING OF ANY PETROLEUM OR CHEMICAL MATERIALS

THE ISSUED CERTIFICATE PROVIDED TO THE BOP CONTRACTOR.

IN OPEN CONTAINERS.

5.5. ALL ACTIVITIES WITHIN STATE-REGULATED WETLANDS AND WETLAND ADJACENT AREAS SHALL BE IN STRICT ADHERENCE TO ALL RESTRICTIONS AS SET FORTH IN

#### PRELIMINARY GENERAL ENVIRONMENTAL RESTRICTIONS:

- ALL EQUIPMENT ACCESS, STORAGE OF EQUIPMENT AND MATERIALS, AND OTHER CONSTRUCTION ACTIVITIES WILL BE CONFINED TO THE ACCESS ROADS, LAYDOWN AREAS, AND THE COLLECTION LINE AND TRANSMISSION LINE ROUTES AS DEPICTED ON THE FINAL CONSTRUCTION DRAWINGS.
- 2. EQUIPMENT WILL UTILIZE THE INTERSECTION OF ACCESS ROADS AND EXISTING ROADS FOR TURNING. WORK AREAS, SUCH AS TURBINE SITES AND LAYDOWN AREAS, WILL ALSO PROVIDE AREAS FOR EQUIPMENT TURNING AND PARKING, IN ADDITION TO DESIGNATED TURNING LOCATIONS.
- 3. FUGITIVE DUST RESULTING FROM CONSTRUCTION ACTIVITIES WILL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICAL BY IMPLEMENTING APPROPRIATE CONTROL MEASURES. THESE MEASURES INCLUDE THE APPLICATION OF MULCH, WATER, OR STONE ON ACCESS ROADS, EXPOSED SOILS, STOCKPILED SOILS, OR UNPAVED PUBLIC ROADS WHEN DRY AND WINDY CONDITIONS EXIST. A WATERING VEHICLE (OR A VEHICLE CONTAINING AN APPROVED CHEMICAL TREATMENT) WILL BE AVAILABLE ON AN AS-NEEDED BASIS.
- 4. WITHIN 100 FEET OF STATE REGULATED WETLANDS AND 50 FEET OF OTHER WATER BODIES, REMOVE ONLY THE MINIMUM VEGETATION NECESSARY TO ALLOW CONSTRUCTION AND OPERATION OF THE FACILITY.
- 5. STREAMS AND WETLANDS WILL BE PROTECTED FROM INDIRECT IMPACTS DURING CONSTRUCTION BY UTILIZING VARIOUS EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH APPROVED PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP). SUCH MEASURES WILL INCLUDE, BUT NOT BE LIMITED TO, SILT FENCES PLACED BETWEEN WATER RESOURCE BOUNDARIES AND CONSTRUCTION AREAS. EXPOSED SOIL WILL BE SEEDED AND/OR MULCHED, AS SOON AS PRACTICABLE, BUT IN ANY EVENT, NO LATER THAN THE END OF THE WORK DAY IN WHICH SITE DISTURBANCE OCCURS, TO ASSURE THAT EROSION AND SILTATION IS KEPT TO A MINIMUM ALONG STREAM AND WETLAND BOUNDARIES.
- 6. TEMPORARY EROSION CONTROL DEVICES AND STABILIZATION PRACTICES WILL BE INSTALLED SOON AS PRACTICABLE AND APPROPRIATE, IN ACCORDANCE WITH THE SWPPP. EROSION CONTROL DEVICES WILL BE INSTALLED AFTER CLEARING, BUT PRIOR TO SOIL DISTURBANCE.
- 7. IN THE EVENT THAT ARCHAEOLOGICAL MATERIALS, HUMAN REMAINS, OR EVIDENCE OF HUMAN BURIALS ARE ENCOUNTERED DURING CONSTRUCTION, ALL WORK IN THE VICINITY OF THE FIND WILL BE IMMEDIATELY HALTED AND THE "UNANTICIPATED DISCOVERY PLAN" WILL BE IMPLEMENTED.
- 8. THE BOP CONTRACTOR WILL LOCATE AND DISTRIBUTE EXCESS EXCAVATION MATERIAL IN NON-AGRICULTURE UPLAND AREAS (I.E., OUTSIDE OF WETLANDS, STREAMS, AND AGRICULTURAL FIELDS). WHERE PRACTICAL, SUCH MATERIAL WILL BE USED AS ROAD FILL OR BACKFILL AROUND STRUCTURES. EROSION CONTROL PRACTICES WILL BE INSTALLED, AND EXPOSED SOILS STABILIZED IN ACCORDANCE WITH THE SWPPP.
- OUTSIDE OF AREAS FOR PERMANENT FILL, FORESTED WETLAND TO BE CLEARED IN A NON-MECHANIZED MANNER.
   IN THOSE AREAS WHERE THE WETLAND CONTINUES BEYOND THAT WHICH WAS DELINED TO THE WETLAND CONTINUES APPROVED. THE WETLAND CONTINUES APPROVED.
- 10. IN THOSE AREAS WHERE THE WETLAND CONTINUES BEYOND THAT WHICH WAS DELINEATED (AS DEPICTED THROUGH USE OF "WETLAND CONTINUES ARROWS"), THE STATE-REGULATED 100-FOOT ADJACENT AREA IS NOT SHOWN.

#### PRELIMINARY SPECIFIC STREAM CROSSING RESTRICTIONS:

1. CONSTRUCTION WORK IN STREAMS WILL CONFORM TO APPROPRIATE TIMING RESTRICTIONS TO PROTECT IMPORTANT FISHERIES RESOURCES, DURING SPAWNING AND PRIMARY MIGRATION PERIODS. STREAMS SUBJECT TO SUCH RESTRICTIONS WILL BE DETERMINED IN THE FIELD BY REPRESENTATIVES OF THE DEC AND THE APPLICANT, PRIOR TO CONSTRUCTION. FOR COLD WATER FISHERIES IN THE PROJECT AREA, CONSTRUCTION WORK IN STREAMS WILL BE PROHIBITED BETWEEN OCTOBER 1 AND MAY 31 TO AVOID TROUT SPAWNING PERIODS. FOR WARM WATER FISHERIES, CONSTRUCTION WORK IN STREAMS WILL BE PROHIBITED BETWEEN MARCH 1 AND JULY 15. HOWEVER, ONCE INSTALLED, SUCH CROSSINGS CAN BE USED BY CONSTRUCTION VEHICLES THROUGHOUT THE DURATION OF PROJECT CONSTRUCTION. ANY EXCEPTIONS TO THESE PROHIBITED PERIODS REQUIRE PRIOR APPROVAL BY DPS STAFF, IN CONSULTATION WITH DEC. A CULVERT WILL BE INSTALLED IN THE STREAM AND WILL BE DESIGNED IN ACCORDANCE WITH NWP GENERAL CONDITION G-A 11.

#### PRELIMINARY SPECIFIC WETLAND CROSSING RESTRICTIONS:

- 1. ANY REQUIRED TEMPORARY ACCESS ROUTE WILL BE REMOVED FOLLOWING CONSTRUCTION, AND RESTORED WITH AN APPROPRIATE NATIVE SEED MIX AND MULCHING WITH STRAW. WITH RESPECT TO STATE-REGULATED AREAS, ANY TEMPORARY ACCESS ROUTE THROUGH THE ASSOCIATED STATE-REGULATED WETLAND ADJACENT AREA SHALL ALSO BE REMOVED FOLLOWING CONSTRUCTION, AND RESTORED WITH AN APPROPRIATE NATIVE SEED MIX AND MULCHING WITH STRAW.
- 2. IN ALL CASES, THE PRE-DISTURBANCE FLOW REGIME MUST BE MAINTAINED.
- 3. DURING EXCAVATION IN WETLANDS, THE PLACEMENT OF TEMPORARY SPOIL STOCKPILES WILL BE RESTRICTED TO FULL CONTAINMENT ON CONSTRUCTION MATTING OR OUTSIDE OF WETLANDS. FOLLOWING BACKFILL, ANY EXCESS SPOIL NOT USED AS STRUCTURE BACKFILL WILL BE DISPOSED OF AT AN UPLAND SITE AS APPROVED BY THE ENVIRONMENTAL INSPECTOR (NO BULL-DOZING, BACK-BLADING, OR OTHERWISE SPREADING OF EXCESS SPOIL OVER THE WETLAND SURFACE). WITH RESPECT TO STATE-REGULATED AREAS, ANY TEMPORARY SOIL STOCKPILES IN THE ASSOCIATED STATE-REGULATED WETLAND ADJACENT AREA SHALL ALSO BE COMPLETELY REMOVED FOLLOWING CONSTRUCTION.
- 4. EROSION CONTROL AND OTHER WETLAND PROTECTION MEASURES WILL BE IMPLEMENTED AS SPECIFIED IN THE SWPPP.
  5. BOP CONTRACTOR WILL INSTALL AND MAINTAIN SILT FENCING AND SEDIMENT BARRIERS WHEREVER EXCAVATION OR FILLING ACTIVITIES OCCUR ADJACENT TO OR WITHIN WETLAND AREAS AS INDICATED ON THE SWPPP DRAWINGS.
- 6. UNDERGROUND COLLECTION LINES WILL REQUIRE A 40-FEET WIDE LIMIT OF VEGETATION CLEARING, AND A 40-FEET WIDE LIMIT OF TEMPORARY SOIL DISTURBANCE
- OF TEMPORARY SOIL DISTURBANCE.

  7. ACCESS ROADS WILL REQUIRE A 75-FEET WIDE LIMIT OF VEGETATION CLEARING, AND A 60-FEET WIDE LIMIT OF TEMPORARY SOIL
- DISTURBANCE.

  8. OVERHEAD COLLECTION/TRANSMISSION LINES WILL REQUIRE A 100-FEET WIDE LIMIT OF VEGETATION CLEARING. ALL UTILITY POLES WITHIN WETLAND ARE ASSUMED TO IMPACT 12.5 SQUARE FEET PER POLE.
- 9. CLEARING LIMITS IN FORESTED WETLANDS AND STATE-REGULATED ADJACENT AREAS SHALL BE STRICTLY ADHERED TO.
- 10. WETLAND CONTINUES ARROWS ARE NOT INDICATIVE OF WETLAND/STREAM SIZE.
- 11. FORESTED AREA BOUNDARIES WITHIN DEC 100' ADJACENT AREAS WERE DETERMINED THROUGH INTERPRETATION OF AERIAL IMAGERY.

#### PRELIMINARY AGRICULTURAL LAND-RELATED RESTRICTIONS:

- 1. AGRICULTURAL MITIGATION, RESTORATION, AND CLEAN UP MAY INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING: USE OF CONSTRUCTION MATTING, TOPSOIL STRIPPING, REMOVAL OF ROCK 4 INCHES OR LARGER PLACED BY BOP CONTRACTOR, REPLACEMENT OF EXISTING TOPSOIL WITH MATERIALS WHICH WERE STRIPPED IN THE AREA AT THE START OF CONSTRUCTION, SURFACE AND SUBSURFACE SHATTERING, DEEP TILLAGE, REPAIR OF FUNCTIONING STONE DRAINING SYSTEMS, AND INSTALLATION OF NEW INTERCEPT DRAINS.
- DRAINAGE SYSTEMS, BROKEN TILE OR TILING SYSTEMS, AND INSTALLATION OF NEW INTERCEPT DRAINS.

  2. IN ACTIVE LIVESTOCK-USE AREAS, ANY CHERRY TREE SLASH (TOXIC TO LIVESTOCK) GENERATED DURING CLEARING WILL BE REMOVED AND DISPOSED OF SO AS NOT TO BE AVAILABLE TO LIVESTOCK.
- 3. ANY WORK IN AGRICULTURAL LANDS WILL INCLUDE THE FOLLOWING PRE-CONSTRUCTION TREATMENTS: ALL TOPSOIL WILL BE PROTECTED BY APPROPRIATE MEANS. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, ALL IMPORTED MATERIAL SUCH AS GRAVEL WILL BE COMPLETELY REMOVED, AND THE SOIL WILL BE RESTORED AS DESCRIBED IN ARTICLE 10 APPLICATION.
- 4. TO PREVENT DAMAGE TO ADJACENT AGRICULTURAL LAND, ALL VEHICLE TRAFFIC AND PARKING WILL BE CONFINED TO THE ACCESS ROADS, DESIGNATED WORK AREAS AT THE STRUCTURE SITES, AND/OR DESIGNATED PARKING AND MATERIAL LAYDOWN AREAS. ANY NECESSARY PULL-OFFS AND PARKING AREAS WILL BE DEVELOPED OUTSIDE OF ACTIVE AGRICULTURAL FIELDS TO THE EXTENT PRACTICAL.
- 5. IN REPAIRING ANY DAMAGED DRAINAGE LINES, KNITTED FILTER COVERING WILL GENERALLY NOT BE USED AROUND CORRUGATED PLASTIC TUBING (TO AVOID POTENTIAL SILT ACCUMULATION AND SEAL-OFF OF DRAINAGE LINES).
- 6. IMMEDIATELY FOLLOWING CONSTRUCTION ACTIVITY, THE WORK AREAS WILL BE THOROUGHLY AND SAFELY CLEARED OF NUTS, BOLTS, SPIKES, WIRE, PIECES OF STEEL, AND OTHER ASSORTED ITEMS.

Permanent | Permanent Regulated

- 7. THE FUNCTIONS SERVED BY ACTIVE FARM FENCES AND GATES AFFECTED BY THE CONSTRUCTION WILL BE TEMPORARILY SUSTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION AND SUCH SEGMENTS OF AFFECTED FENCES AND GATES WILL BE REBUILT AT A MINIMUM TO IT PRE-CONSTRUCTION CONDITION OR AS AGREED TO WITH THE LANDOWNER.
- 8. NO PIN FLAGS WILL BE USED IN AGRICULTURAL FIELDS.
- 9. THE NEW YORK DEPARTMENT OF AGRICULTURE AND MARKETS (NYDAM) *GUIDELINES FOR AGRICULTURE AND MITIGATION FOR WINDPOWER PROJECTS* WILL BE FOLLOWED TO THE EXTENT PRACTICABLE. NYSDAM WILL BE CONSULTED WITH WHEN DEVIATIONS FROM THE GUIDELINES ARE NECESSARY.

#### WETLAND AND STREAM IMPACTS:

ection	Wetland/Stream	Delineation ID	Sheet Number	Wetland Type (1)	Wetland Impact (square feet)	Temporary Stream Impact (square feet)	Temporary Stream Impact (Linear feet)	Wetland Impact (square feet)	Permanent Stream Impact (square feet) (4)	Stream Impact (linear feet)	Regulated Adjacent Area Impact (square feet) (5)	Facilities Crossing Resource (2)	Crossing/Avoidance Methodology	Wetland Forest	Adjacent Area For Conversion (squa feet)
Area 1	Wetland	V	1.1	PEM/PSS	851			2,295				BI, AR			
Area 1	Wetland	4N	1.2	PEM	215							BI	Trench		
Area 1	Stream	R	1.3	RIN		237	30					BI	Trench		
Area 1	Wetland	S	1.4	PFO	1,264			221				BI, AR		1,760	
Area 1	Stream	SS	1.5	RUP		905	41					BI	Trench		
Area 1	Stream	NYSDEC Protected Stream M	1.6	RUP/RIN								BI	HDD		
Area 1	Stream	NYSDEC Protected Stream 3C	1.6	REPH								BI	HDD		
Area 1	Wetland	3C	1.6	OW	1,436							BI	Trench		
Area 1	Wetland	3H	1.7	PFO								ВІ	HDD		
Area 1	Stream	3G	1.7	RIN		309	54					BI	Trench		
Area 1	Wetland	3J	1.8	PEM	400							BI	Trench		
Area 1	Stream	31	1.8	RUP		399	35					BI	Trench		
Area 2	Stream	NYSDEC Protected Stream M	2.1	RUP/RIN								BI	HDD		
Area 2	Wetland	4S	2.2	PSS/PFO								BI	HDD		
Area 2	Stream	NYSDEC Protected Stream 4S	2.2	RIN/RUP								BI	HDD		
Area 2	Stream	LL	2.3	RIN		418	42					BI	Trench		
Area 2	Wetland	3D	2.4	PEM	66			851				BI, AR			
Area 2	Stream	3D	2.4	REPH		23	10		144	59		BI, AR			
Area 2	Wetland	ZZ	2.5	PEM	223							BI	Trench		
Area 2	Stream	ZZ	2.5	RIN		92	26					BI	Trench		
Area 2	Wetland	XX	2.6	PFO/PEM								BI	HDD		
Area 2	Stream	XX	2.6/2.7	RIN		156	38					BI	Trench		
				+								+	Trench		
Area 2	Stream	4M	2.9	RIN		59	22		387	43		WT			
Area 3	Stream	3U	3.1	RIN		736	41		404	22		BI, AR			
Area 3	Wetland	3X	3.2	PFO								AR		16	
Area 3	Wetland	4P	3.3	PEM	1,910			1,152							
Area 3	Stream	EE	3.4/3.5	RUP		429	39					BI	Trench		
Area 3	Wetland	II	3.6	PEM	6							BI, AR			
Area 3	Stream	НН	3.7	RIN		56	15					BI	Trench		
Area 3	Wetland	НН	3.7	PEM	79							BI, AR			
Area 4	Stream	NYSDEC Protected Stream E	4.1	RIN								OI	Matt and span, span and drive around, or avoid		
Area 4	Wetland	E	4.1	PEM								OI	Matt and span, span and drive around, or avoid		
Area 4	Wetland	С	4.2	PEM/PSS								OI	Matt and span, span and drive around, or avoid		
Area 4	Wetland	В	4.3/4.4/4.5	PEM								OI	Matt and span, span and drive around, or avoid		
Area 4	Stream	NYSDEC Protected Stream B	4.3/4.4/4.5	RUP								OI	Matt and span, span and drive around, or avoid		
Area 4	Stream	4A	4.6	RIN								OI	Matt and span, span and drive around, or avoid		
Area 6	Stream	NYSDEC Protected Stream U	6.1/6.2/6.3	RUP								OI	Matt and span, span and drive around, or avoid		
Area 6	Wetland	NYSDEC Wetland HK-3 (3Z)	6.3	PEM/PSS	741						2,143	OI			37,393
Area 6	Stream	NYSDEC Protected Stream 3Z	6.3	RUP								OI	Matt and span, span and drive around, or avoid		
Area 6	Stream	Stream 3Z	6.3/6.4	RIN	-			-					Matt and span, span and drive around, or avoid		
Area 6	Stream	4F	6.4	RIN								OI	Matt and span, span and drive around, or avoid		
Area 6	Wetland	4E	6.5	PSS/PFO								OI	Matt and span, span and drive around, or avoid		
Area 6	Stream	4C	6.6	RIN		95	20		680	94		BI, AR			
Area 6	Stream	4D	6.7	RIN		595	165					BI	Trench		
Area 6	Wetland	Y	6.8	PEM	6,293							BI	Trench		
Area 6	Stream	TT	6.9	RIN		939	173					BI	Trench		
Area 6	Stream	4L	6.10	RUP								BI	HDD		
Area 6	Wetland	4L 4L	6.10	PFO/PEM								BI	HDD	<del>                                     </del>	
						67						+			
Area 6	Stream	AA NYSDEC Brotostod	6.11	RIN	-	67	19					BI	Trench		1
Area 6	Stream Wetland	NYSDEC Protected Stream W 4R	6.12 6.13	RIN PEM/PSS/PFO	446							BI BI	HDD HDD		
Area 6		NYS Protected			440									<del>                                     </del>	
Area 6	Stream	NYS Protected Stream 4R	6.13	RIN								BI	HDD	<u> </u>	
															i

(1) PEM = palustrine emergent marsh, PSS = palustrine scrub shrub, PFO = palustrine forested, WM = wet meadow, OW = open water, R3 = riverine perennial, R4 = riverine intermittent, RE = riverine ephemeral

- (2) BI = buried interconnect, OI = overhead interconnect, AR = access road, WT = wind turbine
- (3) Permanent wetland and regulated adjacent area fill results from various project components such as gravel access roads, turbine pads, crane pads, and associated grading.

  (4) No NYSDEC protected streams will be permanently impacted.
- (5) Permanent impacts to NYSDEC regulated wetlands and adjacent areas are associated with OI structures only, and are anticipated to total less than 10 square feet and 20 square feet, respectively.



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andscape Architecture, Engineering, & Research, andscape Architecture, Engineering, & Environmental Services, D.P.C. The following is peraphrased from the New York Education aw, Articel 45, Section 7209, and Chapter II, Section 99.14, and applies to this drawing: "It is a violation of this wift or any person unless he is acting under the direction of licensed professional engineer, ilcensed landscape criblets or ichnessed land surveyor balter an Item in any exp. If an item bearing the seal of an engineer, landscape rothlets or land surveyor shall affix to the ferm is seal and the notation "altered by" followed by his ignature and the date of such alteration and a specific lesscription of the alteration."

NO. DATE REVISION

NO. DATE REVISION

REMONT, AND WAYLAND -

TILE: BARON WINDS PRC
OCATION: TOWNS OF COHOCTON, DANSVILLE, FR
STEUBEN COUNTY, NEW YORK
MERPOWER WIND HOLDINGS

DATE: NOVEMBER 17, 2017

edr Job#: 13039

DRAWN BY: AW, ZR, TS

FILE NAME: 13039\_Cover\_Impact Analysis\_Working.dwg

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