SOLAR PHOTOVOLTAIC PLANTS
ELLIS NORTH PV PROJECT

STEVENSON ROAD
Dryden, New York 13053

SITE PLAN DOCUMENTS

Town of Dryden, Tompkins County

OWNER/OPERATOR COMPANY:
Dryden North LLC
315 Post Rd. W
Westport, CT 06880

CONTRACTOR: Conti Solar, LLC
2045 Lincoln Highway
Edison, NJ 08817

ENGINEER: Dan Walker P.E.
Labella Associates

Distribution Utility
New York State Electric and Gas

CODES AND REGULATIONS

NEC 2014
NYS Standard Interconnection Requirements
Town of Dryden Building Code
Town of Dryden Site Plan Review
Town of Dryden Solar Law
Town of Dryden Subdivision Road
Town of Dryden Resolution 102 and 111

SHEET INDEX

C000 TITLE SHEET
C101 EXISTING SITE PLAN
C201 PROPOSED SITE PLAN
C202 TREE REMOVAL PLAN
C401 EROSION AND SEDIMENT CONTROL PLAN
C501 CONSTRUCTION DETAILS
C502 CONSTRUCTION DETAILS
C503 CONSTRUCTION DETAILS

LOCATION MAP

PROJECT LOCATION

D O R Y
DC FEEDER CIRCUITS TRENCH DETAILS

DC HOME ROW TO ROW JUMPER TRENCH DETAILS

DC FEEDER CIRCUITS TRENCH DETAILS (TWO LAYERS)

MEDIUM VOLTAGE CONDUCTORS WITH COMMUNICATION CABLES TRCENCH DETAILS

NOTES:
1. ALL LV AC AND DC CABLES TO BE BURIED AT A MINIMUM OF 2'. ALL MV AC CONDUITS TO BE BURIED AT A MINIMUM OF 3'.
2. COMMUNICATION CABLES TO BE A MINIMUM OF 12" AWAY FROM DC AND AC CABLES.
3. WARNING TAPE TO BE METALLIC WITH THE PHRASE "CAUTION: BURIED ELECTRICAL LINES".
4. BACKFILL TO BE FREE FROM ANY ROCKS OR OTHER DELETERIOUS OBJECTS THAT ARE 3/4" IN DIAMETER OR GREATER.
5. ELECTRICIANS TO PROVIDE MATCHING FITTINGS AND EXPANSION COUPLINGS BY THE SAME MANUFACTURER AS THE CONDUIT.

DC FEEDER CIRCUITS TRENCH DETAILS (TWO LAYERS)
**DRAWING NUMBER:**
Petranchuk, Tim

**CONTRACTOR WILL NOTIFY THE ENGINEER AND PURSUE A REMOVAL FROM THE LOCATION AND CHIPPING ON SITE.**

**CONCRETE WASHOUT AREA WITH STRAW BALES**

1. **MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.**

2. **AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.**

3. **UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.**

4. **REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER.**

5. **ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SWPPP. THESE AREAS SHALL BE SEEDED AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.**

6. **WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. USE ONLY CONSTRUCTION ENTRANCES DESIGNED ON THIS PLAN TO ACCESS SITE. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK TO WATER DOWN CONSTRUCTION ROADS DURING DRY PERIODS TO MINIMIZE DUST GENERATION. THE CONTRACTOR MAY ALSO BE REQUIRED BY THE OWNERS REPRESENTATIVE TO INSTALL ADDITIONAL MEASURES TO REDUCE DUST ON THE SITE.**

7. **ANCILLARY SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.**

8. **IMPLIES THE CONTRACTOR WILL NOTIFY THE ENGINEER AND PURSUE A REMOVAL FROM THE LOCATION AND CHIPPING ON SITE.**

9. **CONTRACTOR TO LIMIT DISTURBANCE OF SITE. NO UNNECESSARY CLEARING AND/OR GRADING SHALL BE PERMITTED.**

10. **EXPOSED AREAS. EXCESS TOPSOIL TO REMAIN ON SITE.**

11. **ALL MATERIALS SPILLED, Dropped, Washed, Or Tracked From Vehicles Onto Public Streets Or Into Storm Drains Must Be Removed.**

12. **RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DISPOSED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM SPILLING OR LEAKING ONTO THE PROPERTY OR INTO THE STREET.**

13. **ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.**

14. **SUBMIT AN NOI.**

15. **ANY ATTEMPTED ALTERATION OF THE ALTERNATING GRASS-GRAIN VARIETIES, STRAW-HAY MULCH, WOOD CELLULOSE FIBERS, TACKAFIER, NETTING, OR RECP (EROSION CONTROL BLANKETS).**

16. **IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.**

17. **IMPLEMENT BMP'S AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS ALTERED; THE ALTERNING ARCHITECT, ENGINEER, OR LAND SURVEYOR IS PROHIBITED.**

18. **CONTRACTOR WILL NOTIFY THE ENGINEER AND PURSUE A REMOVAL FROM THE LOCATION AND CHIPPING ON SITE.**

19. **WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. USE ONLY CONSTRUCTION ENTRANCES DESIGNED ON THIS PLAN TO ACCESS SITE. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK TO WATER DOWN CONSTRUCTION ROADS DURING DRY PERIODS TO MINIMIZE DUST GENERATION. THE CONTRACTOR MAY ALSO BE REQUIRED BY THE OWNERS REPRESENTATIVE TO INSTALL ADDITIONAL MEASURES TO REDUCE DUST ON THE SITE.**

20. **ANCILLARY SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.**

21. **ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH SITE DISTURBANCE ACTIVITIES SHALL OBTAIN A COPY OF THE SWPPP AND THE GENERAL PERMIT REQUIREMENTS.**

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23. **DUST ON THE SITE**

24. **CONTRACTOR TO LIMIT DISTURBANCE OF SITE. NO UNNECESSARY CLEARING AND/OR GRADING SHALL BE PERMITTED.**

25. **ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.**

26. **REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER.**

27. **ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH SITE DISTURBANCE ACTIVITIES SHALL OBTAIN A COPY OF THE SWPPP AND THE GENERAL PERMIT REQUIREMENTS.**