

CITY OF CONCORD WASTEWATER PLANT

SYSTEM SIZE: 2592.84 KW DC

SITE ADDRESS: 125 Hall St, Concord, NH

DATE: 1/4/2016

MODULE: 310W, 72 CELL POLYCRYSTALLINE

INVERTER: STRING

DESCRIPTION:

PV ARRAY

SINGLE AXIS TRACKING GROUND MOUNT

STRINGS OF 17 MODULES

PRELIMINARY DRAWING – NOT FOR CONSTRUCTION

100 YEAR FLOODPLAIN

SYSTEM 1: METER AND INTERCONNECTION LOCATION
NEAR UTILITY POLE, 34.5kV, 3 PHASE

SYSTEM 2: METER AND INTERCONNECTION LOCATION
NEAR UTILITY POLE, 34.5kV, 3 PHASE

USGS WETLAND BOUNDARY

SYSTEM 1: MAIN RECOMBINER AND
1kVA STEP UP TRANSFORMER PAD

SINGLE AXIS
TRACKING ARRAY

100 YEAR FLOODPLAIN

SYSTEM 2: MAIN RECOMBINER AND
1kVA STEP UP TRANSFORMER PAD

100' WETLAND SETBACK

ARRAY INFORMATION

MOUNTING METHOD	MODULE COUNT	TILT	AZIMUTH	KW DC
SYSTEM 1	4182	VARI	180	1296.42
SYSTEM 2	4182	VARI	180	1296.42

GENERAL NOTES

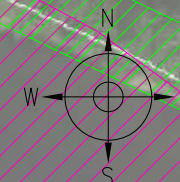
- THIS SYSTEM IS GRID-INTERIED VIA A UL-LISTED POWER-CONDITIONING INVERTER.
- THIS SYSTEM HAS NO BATTERIES, NO UPS.
- ALL INVERTERS AND ARRAYS ARE NEGATIVELY GROUNDED.
- SOLAR MOUNTING FRAMES ARE TO BE GROUNDED.
- ALL WORK TO BE DONE TO 2010 UBC.
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2008 NATIONAL ELECTRIC CODE.

LEGEND

- (E) UTILITY METER
- INVERTER W/ INTEGRATED DC DISCO & WARNING LABELS.
- DC DISCONNECT
- AC DISCONNECT
- JUNCTION BOX
- DC COMBINER BOX
- DISTRIBUTION PANEL
- LOAD CENTER
- DEDICATED PV SYSTEM METER
- CONDUIT RUN ON EXTERIOR
- CONDUIT RUN ON INTERIOR
- GATE
- INTERIOR EQUIPMENT

SHEET NOTES

- INVERTER.
- DEDICATED PV SYSTEM METER.
- AC DISCONNECT.
- UTILITY METER.
- DC DISCONNECT.



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