

103.35 kW_{DC} Photovoltaic System

Annual Production Estimate: 138,877 kWh



142 Presumpscot Street
Portland, ME 04103
(207) 221-6342

Customer Name:

Peaks Island CSF
255 Brackett Ave
Peaks Island, ME 04108

System Type:

Photovoltaic Array

Designed by: LB

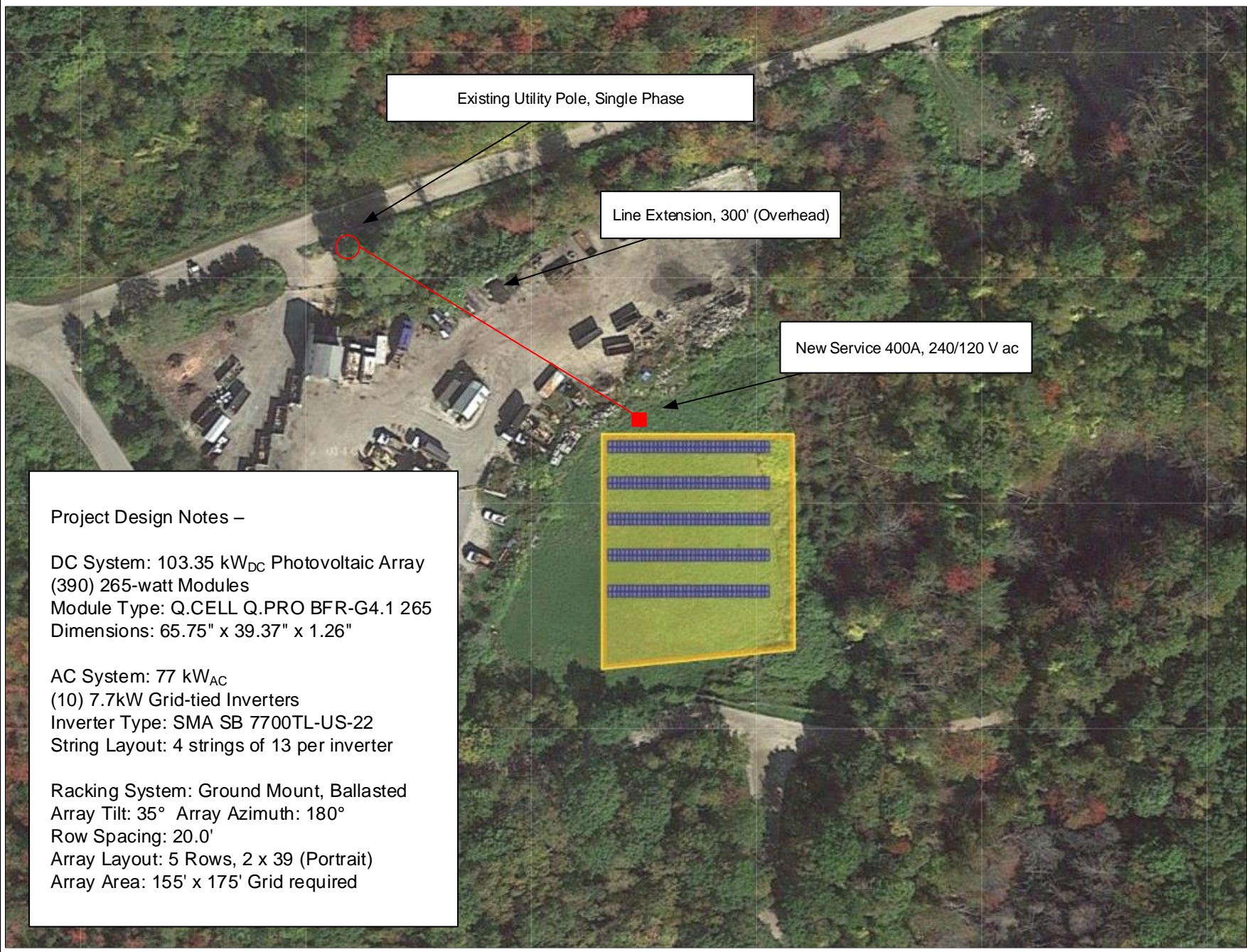
Date: May 19, 2016

SITE PLAN

SHEET A02

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This diagram is provided as a service and is based on the understanding of the information supplied. It is subject to change based on actual conditions, applicable edition of the National Electric Code, and local governmental authorities.



Existing Utility Pole, Single Phase

Line Extension, 300' (Overhead)

New Service 400A, 240/120 V ac

Project Design Notes –

DC System: 103.35 kW_{DC} Photovoltaic Array
(390) 265-watt Modules
Module Type: Q.CELL Q.PRO BFR-G4.1 265
Dimensions: 65.75" x 39.37" x 1.26"

AC System: 77 kW_{AC}
(10) 7.7kW Grid-tied Inverters
Inverter Type: SMA SB 7700TL-US-22
String Layout: 4 strings of 13 per inverter

Racking System: Ground Mount, Ballasted
Array Tilt: 35° Array Azimuth: 180°
Row Spacing: 20.0'
Array Layout: 5 Rows, 2 x 39 (Portrait)
Array Area: 155' x 175' Grid required