

Buffering/Planting Plan

505 Main St. Solar Project

On June 4th, 2020 ReVision Energy received conditional approval from the Town of Vassalboro Planning Board for its 505 Main St. solar project. As a condition, ReVision Energy was required to submit a buffering/planting plan for the area between the project and Main St (Route 32). In support of this condition, ReVision respectfully submits the following plan:

Existing Conditions

As shown in the photo below, a narrow strip of vegetation was left between Rt. 32 and the project footprint.

Looking east across Rt. 32 towards the project site after tree clearing.



Proposed planting

After assessing the property following the site preparation, ReVision would like to provide buffer plantings for approximately 300' of frontage – from the southern boundary of the lot to the southern extend of the gravel driveway (see attached site plan with annotations). Based on discussions with local plant nurseries and MDOT resources regarding plants able to survive the difficult conditions posed along state roadways, ReVision proposes the following:

- Distance of frontage buffered: 300'
- Quantity of plants: 15-20
- Size of plant: 3-gallon
- Spacing: approx. 10-20' on center
- Type/species: a mix of Forsythia, Lilac, and Viburnum
- Timing: planting to begin Spring 2021 (during construction will be too disruptive, and post-construction 2020 will be too late in the year)



REVISION ENERGY

758 WESTBROOK STREET
SOUTH PORTLAND, ME 04106
(207)-221-6342

CLIENT:

BERNIE WELCH

PROJECT ADDRESS:

515 MAIN ST.,
VASSALBORO, ME

SYSTEM TYPE:

GROUND MOUNT
PHOTOVOLTAIC ARRAY

SYSTEM SUMMARY	
DC SYSTEM SIZE	792.0 kW DC
AC SYSTEM SIZE	600 kW AC
PROJECT TYPE	GROUND MOUNT
TILT / AZIMUTH	30° / 157°

EQUIPMENT SUMMARY		
ITEM	DESCRIPTION	QTY
MODULE	REC 375TP2S 72 XV (375W)	2,112
INVERTER	CPS SCA60KTL-DO/US-480	10
DAS	LOCUS 360	1

PROJECT DATA		
TYPE OF IMPACT	AREA (SF)	AREA (AC)
TREE CLEARING AREA	24,665	.15
PARCEL AREA	299,693	6.88
TOTAL IMPERVIOUS AREA	2,626	.06
TOTAL DEVELOPED AREA	2,626	.06
TOTAL PROJECT AREA	145,805	3.35

GENERAL NOTES:

1. PHOTOVOLTAIC ARRAY CONSISTS OF 2,112 SOLAR PANELS PROVIDING APPROXIMATELY 792 kW DC POWER.
2. AREA DISTURBED DURING CONSTRUCTION SHALL BE REVEGETATED AND MAINTAINED AS A MEADOW AND SHALL NOT BE MOWED MORE THAN TWICE PER YEAR.
3. 2' CONTOUR LINES USED.
4. NO DIRECT OR INDIRECT WETLAND IMPACTS SHALL OCCUR AS A RESULT OF THE PROJECT
5. REFER TO DRAWING C101 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.

NOT FOR CONSTRUCTION

LEGEND

- WETLAND BOUNDARY
- STREAM TOP OF BANK
- EROSION CONTROL
- FENCE
- TREE CLEARING
- PROPERTY LINE

REV	DATE	BY	STATUS
000	01/09/2019	BLP	DESIGNED FOR INTERCONNECTION
001	01/02/2020	BLP	UPDATED DESIGN AND LAYOUT FOR CIVIL SITE LAYOUT
002	04/03/2020	PSW	UPDATED DESIGN AND LAYOUT FOR CIVIL SITE LAYOUT
003	04/09/2020	PSW	ADDED SOIL/SEDIMENT CONTROL TO SITE PLAN
004	04/24/2020	PSW	ADJUSTED SITE PLAN
005	06/01/2020	PSW	ADJUSTED SITE PLAN

DESIGNED BY: BLP
 PRINT SIZE: 24" x 36"
 SCALE: 1/32" = 1'
 DATE: JUNE 1, 2020

DWG TITLE: SITE PLAN
 DWG NUMBER: E100

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