

Sun One Organic Farm Road & Access Data/Discussion

50 Maddox Road Bethlehem, CT 06751

Abstract: This document aims to put Sun One into a Permaculture perspective. This particular perspective is related to identifying all current roads, access points, and desire lines on the property. The goal of the document is to provide information on locations of these elements and what their existence means for the overall design.

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Roads

There are two roads of note concerning Sun One Organic Farm. The first road is Nonnewaug Road which is the main road of which the property only partly abuts. This road may become slightly more pertinent once the new house is constructed and the driveway is connected. The second road is Maddox Road 2. It is called Maddox Road 2 because there used to be a full road that connected Nonnewaug on the west and Hard Hill Road South to the east. Due to storms, wash out, and general lack of maintenance by the town of Bethlehem, half of the street is gone. The portions of the street that are left are a small portion (Maddox Road) To the east that connects to Hard Hill Road South and a half portion (Maddox Road 2) to the west that connects to Nonnewaug Road. For all intent and purposes, the road that is marked Maddox Road 2 on GPS and Google Earth will be referred to simply as Maddox Road. It is used by Robert Maddox and is the only real functioning part of Maddox Road.

Access Points

There are two access points to Sun One Organic Farm. One is the official access point via Maddox Road. The other access point is just before the bridge heading north or just after the bridge heading south on Nonnewaug road. This unofficial access point is a possible driveway

for the new home that is planned for the property. Cart access points are everywhere cars can access. Pedestrians can unofficially enter from many areas west and south of the property, basically all along the property lines. Officially pedestrians can enter via Maddox Road or the proposed new driveway.

Desire Lines

Desire lines (derived from Permaculture Design by Aranya) are paths created by humans, vehicles, or animals taking the shortest or easiest route between two places. There are three main desire lines create by vehicles. One goes south from Maddox road to the southern fields. Another goes along the east side of the growing field. The last goes northeast towards the easterly fields.

Activity Nodes/Storage Areas

There are four main activity nodes on the property. Activity node one is where produce is first kept before bringing to activity node three for processing. Activity node two is where unloading occurs for CSA and also is where events can be currently held outdoors. Activity node four is the barn and has multiple uses as storage, processing, and CSA pick-up zone.

There are four places for storage on the property. One is the basement of 49 Maddox Road. Two is the Red Barn. Three is the Pole Barn. Four is the workshop.

Materials Flow

Materials flow from the mulch pile, organic matter decomposition area, and the production fields. Mulch flows to the blueberries. Decomposed organic matter is used for plants when composting is finished. Materials flow from the production field to the wash station to the basement of 49 Maddox Road for storage. Produce then flows to the weekend market, local markets, or CSA.

Relevance to Permaculture Plans

Access is crucial to a working Permaculture Design Plan. Think about the arteries and veins in the body, or the waterways through a watershed. These life flows are necessary in order to get materials in and out of where they are needed. The roads, access points, and desire lines need to be noted because of their permanence. Once we decide to put our transportation lines in, there isn't much changing it. The main desire lines are in good places so we need not change them. However, further along the line in the design process it will be important to outline what other kinds of trails will be introduced to make for easy access.

References – Permaculture Design by Aranya