

# What is Landscape Architecture at VTrans?



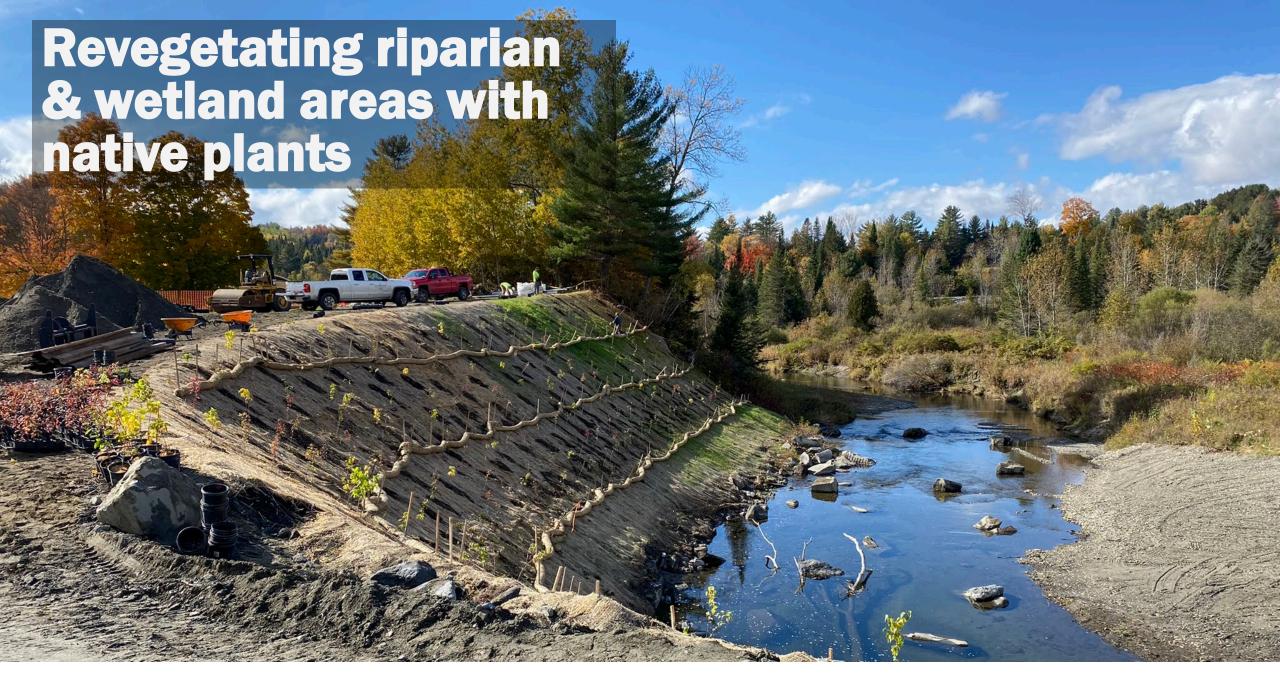
VTrans Pollinator Seed Trials / I-89 Southbound, Stormwater improvements, St. Albans (2023)



**VTrans Pollinator Seed Trials /** Williamstown/Northfield Park & Ride (2023)



Native Plantings / Native & pollinator-friendly trees and shrubs, Williston Park & Ride (2023)



Riparian Plantings / Riparian slope revegetation with native plants, Hardwick (2022)



**Riparian Plantings** / Riparian slope revegetation with native plants, Hardwick (2023)





Roadside Monarch Habitat / Candidate Conservation Agreement with Assurances (CCAA) for the Monarch Butterfly, Vermont roadsides (2022)



Total sites monitored:53

 Total sites with milkweed: 17 (25%)

 Total stems of milkweed: 526

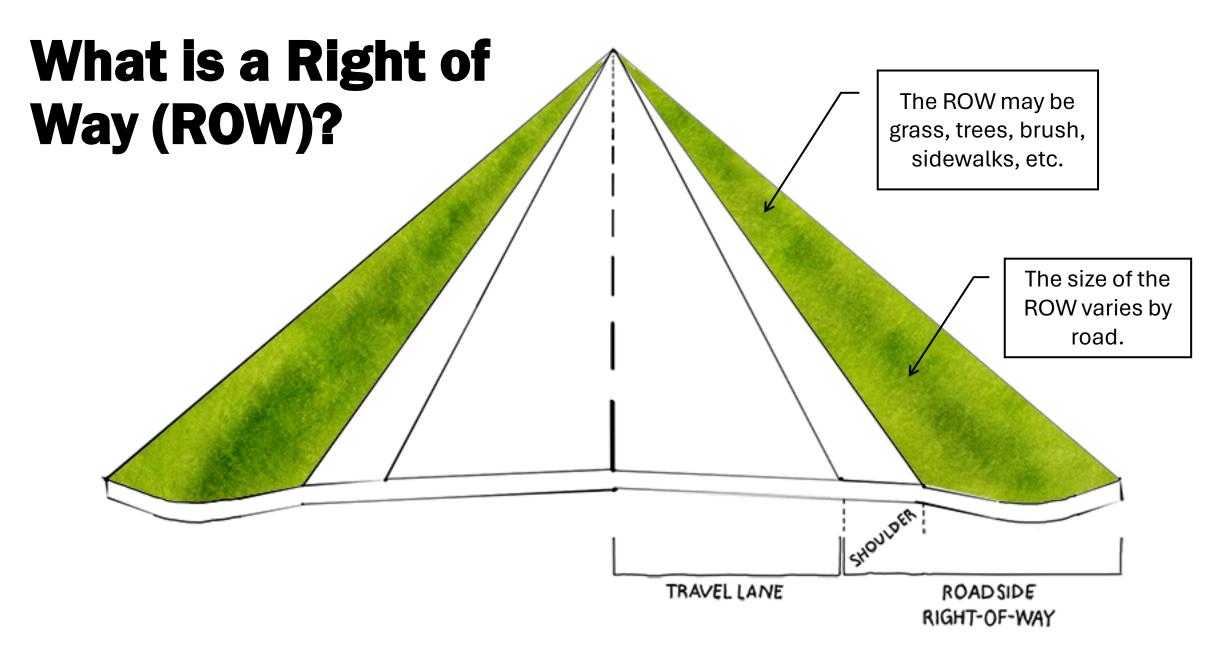
Total sites with over 10% nectar plants: 45 (85%)

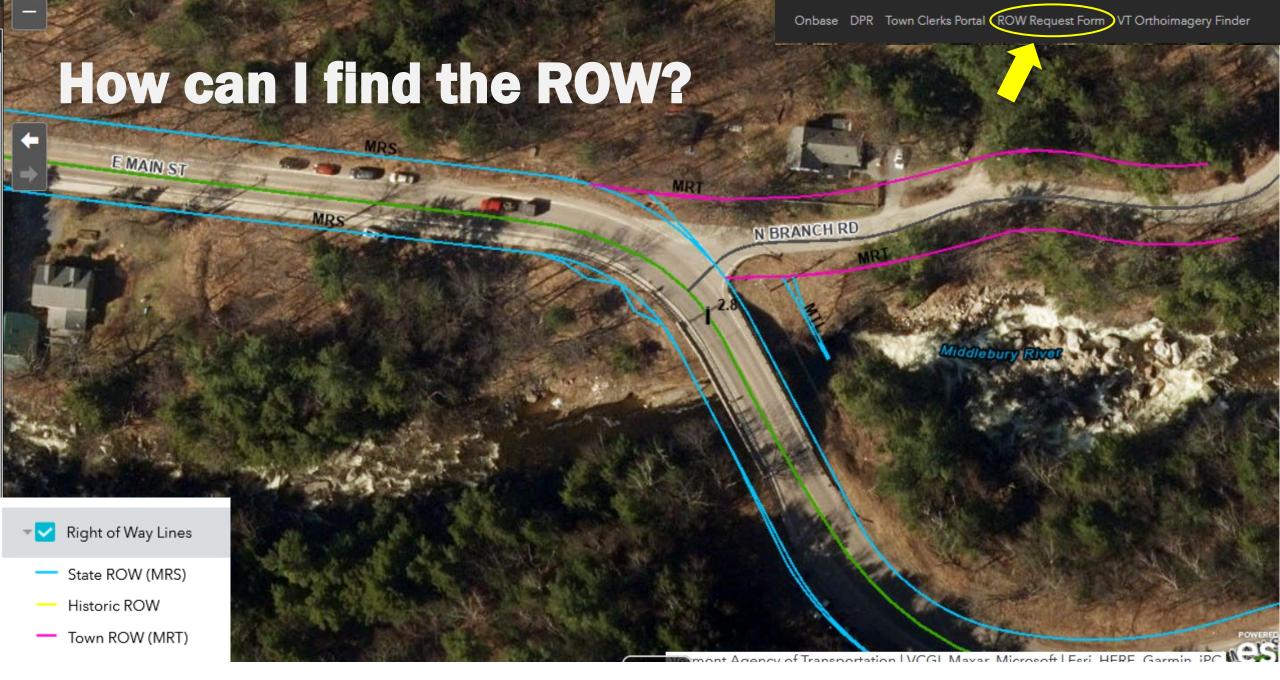






**Urban tree planting / Middlebury & Waterbury (2022/2023)** 





## Home What I Saysa Town Road Open in Map Viewer Modify Map & Sign In Details Basemap State Road? About State Road? Irish Hill Legend State Highways **Town Highways Limited Access Highways** Turkey Hill VT Data - Town Boundaries



# Application Process: (3) Phases

#### PHASE 1: CONCEPT PROPOSAL

- a. <u>Purpose</u>: Information gathering and interactive communication between VTrans and Applicant. Initial review of project and eligibility. A site visit may be required.
- Materials required: Concept Proposal for Planting Public Street Trees in the State ROW.
- c. Facilitated by: VTrans Landscape Architect

#### PHASE 2: TECHNICAL REVIEW

- a. <u>Purpose</u>: VTrans will conduct a technical review of the proposal. Any necessary comments and questions will be shared with the Applicant to respond to. A site visit may be required.
- b. Materials required: Landscaping Plan. Other information may be requested as needed.
- c. <u>Process</u>: The VTrans Landscape Architect will share the proposal with representatives from: VTrans Permitting Services, VTrans Highway Maintenance District, and others as needed<sup>1</sup>.
- d. Facilitated by: VTrans Landscape Architect

#### PHASE 3: 1111 PERMIT

- a. <u>Purpose</u>: Applicant submits completed Application Package to VTrans. If approved,
   VTrans issues Section 1111 Permit.
- Materials required: Application Package (Includes: Section 1111 Permit Application and Landscaping Plan (updated to address any comments from the technical review)).
- Timeframe: Section 1111 permit will be completed within 30 days of receipt of the approved Application Package.
- d. Facilitated by: VTrans Permitting Services

## What information is **VTrans generally** looking for?

- Safety
- Sightlines
- Future transportation plans for the area
- Stormwater features, plowing & maintenance considerations, etc.
- Compliance with the VTrans Street Tree Policy
- Location of project
- Location of proposed trees, relative to:
  - Right of Way (ROW)
  - Edge of the road
  - Above and below ground utilities
  - Nearby sidewalks, structures, etc.
  - Other trees (proposed or existing)
- Tree species, expected height & spread, container size & type, quantity

# **Application Process:**

1

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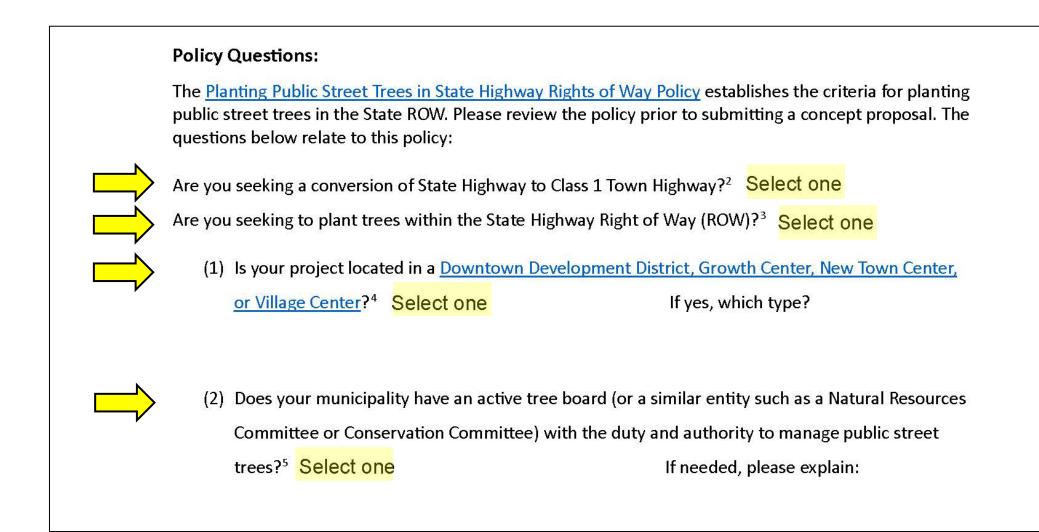
## Planting Public Street Trees in the State Right of Way (ROW): <u>Concept Proposal</u>

\*Please contact the <u>VTrans Landscape Architect</u> to submit your proposal or if you have any questions

	Applicant Information:					
	Applicant Name(s):					
,	Town:		_ Date:			
	Is the applicant a municipality?1	Select one				
<u> </u>	Address of proposed planting loca	ation(s):				



What is the purpose and goal of the project? (If you know that the proposed tree plantings are in alignment with Town planning documents, please include that here.)



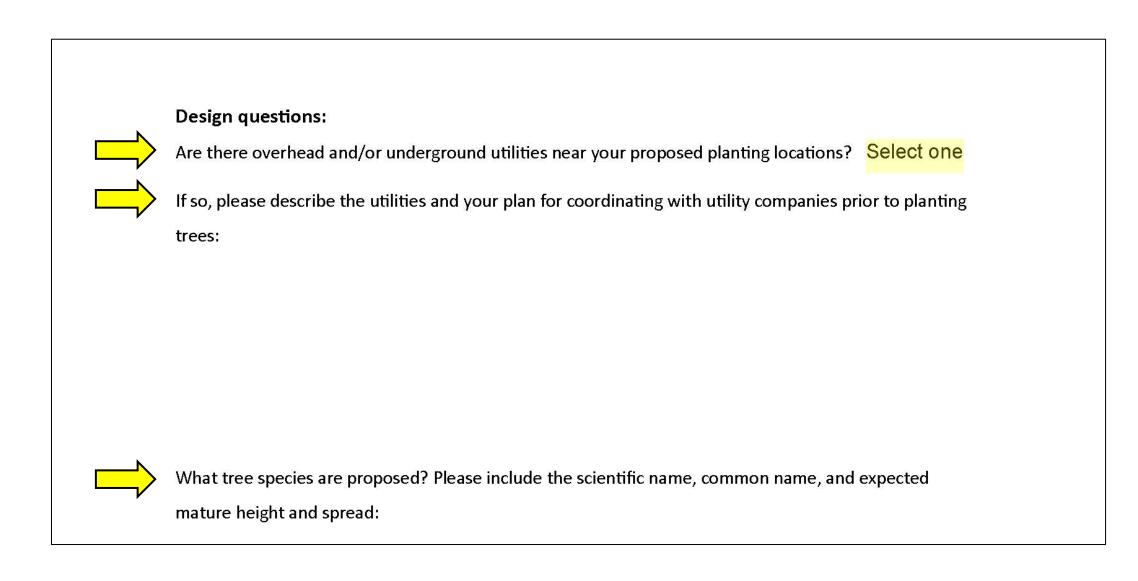


- (3) Does your municipality have a Tree Warden? Select one
- (4) Is your municipality committed to providing maintenance for the trees that are being proposed through an adequate maintenance budget and demonstrated capacity? Please explain:



\*NOTE: If the answer to any of questions 1-4 is NO, see Policy Statement B.4 in <u>Planting Public Street</u>

<u>Trees in State Highway Rights of Way Policy</u> for restrictions on tree locations. If all answers to 1-4 are YES, the restrictions (B.4) do not apply.



## **Application Process:**

2

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- c. <u>Process</u>: The VTrans Landscape Architect will share the proposal with representatives from: VTrans Permitting Services, VTrans Highway Maintenance District, and others as needed<sup>1</sup>.
- d. Facilitated by: VTrans Landscape Architect

# What is a landscaping plan?

- An aerial image with annotations
- A hand-sketched plan with reference photographs
- A technical, scaled plan
- Have another idea? Reach out to the <u>VTrans Landscape Architect</u> with questions.

#### Required information on a Landscaping Plan:

Please	e include the following information on your Landscaping Plan:
	Proposed tree location(s)
	Distance from center of tree(s) to edge of pavement or curb
	Distance between trees (if applicable)
	Location of above-ground and below-ground utilities
	Distance of the tree(s) to nearby elements (sidewalk edge, buildings, etc.)
	Species name, cultivar, mature height and spread, container size & type, and quantity
	Right-of-Way (ROW) line <sup>1</sup>
	Parcel lines <sup>2</sup>

#### **EXAMPLE** LANDSCAPING PLAN **FOR 1111 PERMIT APPLICATION**

3/19/2024

#### Tree species proposed:

Sargent Crabapple (Malus sargentii)

Mature height: 15' Mature spread: 12' Quantity: 4 Container: B&B Size: 1.5" caliper

Right of Way (ROW) size from Vermont Right of Way Spatial Data Hub

Aerial image & parcel boundaries from ANR Natural Resources Atlas

Aerial utility lines Proposed tree on opposite side locations. Trees to be of road. planted in lawn, within ROW. 12 Edge of mature 75' canopy to be 10' from edge of building Center of trees to be planted 8' from curb, and 3' from edge of sidewalk 50° Approximate ROW Edge of mature size = 24.75' from canopy to be 75' centerline 50' from edge of **Approximate** building parcel lines Town water and sewer lines under sidewalk. Tree locations to be coordinated with Town. Dig Safe will be called Application & Review Process prior to tree planting.

# **Application Process:**

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## Resources:



- VTrans Landscape Architecture Website:
  - <a href="https://vtrans.vermont.gov/highway/project-delivery-environmental/landscape">https://vtrans.vermont.gov/highway/project-delivery-environmental/landscape</a>
- Planting Trees in the State ROW Application:
  - https://vtrans.vermont.gov/sites/aot/files/portal/documents/other/Planting%20Trees%20in%20the%20State%2 0ROW%20(2024-0517).pdf
- VTrans Street Tree Policy:
  - https://vtrans.vermont.gov/sites/aot/files/planning/documents/permittingservices/FeeScheduleAndPermitApp %200223.pdf
- Vermont Right of Way Spatial Data Hub:
  - https://www.arcgis.com/apps/webappviewer/index.html?id=b419eb6a5e4541cfb4445e7de7a0749f
- Vermont State and Town Highways:
  - https://vtrans.maps.arcgis.com/home/webmap/viewer.html?webmap=3bdf4f760af44779a40331133b3a2a31



# Restoring Shade Trees to State Highway 125 AKA – Judy's Project

Josh Behounek

josh.Behounek@davey.com



#### PROJECTS PAGES



Big Tree Program ▶



Resilient Right-of-Ways



Town Forests ▶



Green Streets Guide >



### Vermont Green Streets Guide









Plant 10 trees along Highway 125

Establish approval process with VTRANS

#### 2022 Caring for Canopy with \$5000 granted

Matching/In-kind contribution \$5000 (Total budget \$10,000) | Grant closes June 1, 2023

Date	Task	Status	Notes
January	Identify at least 10 planting sites	Completed -	
Fri, Feb 17	Stake planting sites or Bill reviews	Completed -	
Mon, Feb 20	Determine underground utilities	Completed *	
Weds, Feb 22	Select trees species for planting sites	Completed -	
Mon, Feb 27	Make application for VTRANS	Completed -	
Mon, Feb 27	Create MOU for homeowners to permit tree planting on private property	Completed -	
Fri, March 3	Bill reviews and sends to VTrans	Completed •	
Fri, March 3	Send email with MOU to homeowners for signatures with an explanation that this is needed in case permission is not granted by VTrans	Completed -	Get watering commitment from homeowners?
Fri, April 14	Identify source(s) for trees, purchase, schedule planting	Completed -	
Fri, May 19	Plant trees	Completed -	

#### Application for a street tree in East Middlebury

This program is made possible by a generous grant from the Vermont Urban & Commun Forestry Program in response to the projected loss of the Town's ash trees due to an expected Emerald Ash Borer infestation.

Please fill out the following application if you would like to be considered for a free shad tree to be planted Fall of 2023 in front yards along Route 125 in East Middlebury. If selected, the Middlebury Tree Committee will reach out to you to determine potential species selection and a watering plan.

joshbehounek@gmail.com Switch account	
* Indicates required question	
Email *	
Your email	
Name *	
Your answer	
Address *	
Your answer	
Phone Number *	
Your answer	

Best	way to contact you *
$\bigcirc$	Email
$\bigcirc$	Text
$\bigcirc$	Phone
0	Other:
chos	derstand that the planting sites along Route 125 in East Middlebury we sen based on location and planting conditions and that applicants wil fied in late August for a Fall 2023 planting in early September.
0	Yes
Is yo	our planting location along Route 125 in East Middlebury? *
	Yes
	No
	Don't know
Wha	t is the approximate width of the tree planting location? *
$\bigcirc$	Less than 4 feet
0	4 - 6 feet
0	More than 6 feet
$\circ$	Don't know

Are there overhead utilities at the planting space? *
Yes
○ No
Maybe
If you would like to apply for a street tree in front of your home, please cl conditions that exist curbside (check all that apply).
Fire Hydrant: Is there at least five (5) feet between the edge of the planting and the hydrant.
Driveway: Is there at least six (6) feet from the edge of the planting hole/p (2) sidewalk slabs from any driveway.
Is it a sunny location?
Is there partial shade?
Is there full shade?
Is there at least 20 feet from another tree?
As part of the program and in order to receive a free tree you must agree the tree when needed for the first 2 years after planting. Will you be able this request?
○ Yes
○ No
Maybe, tell me more

# Middlebury Tree Planting Application

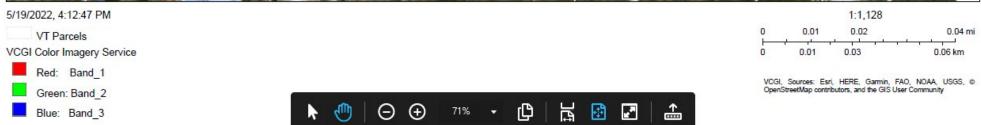
Funding provided by VT Department of Forests, Parks, & Recreation

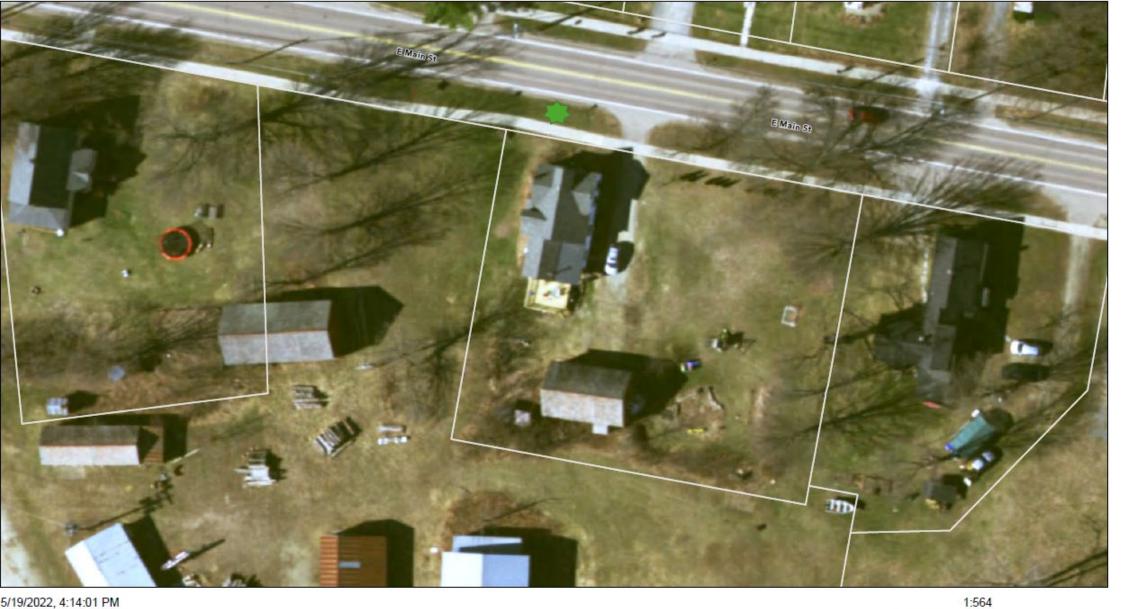
Caring for Canopy Grant

March 22, 2023

#### 412 E. Main St. East Middlebury, VT 05740







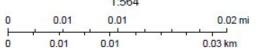
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VT Parcels

VCGI Color Imagery Service

Red: Band\_1

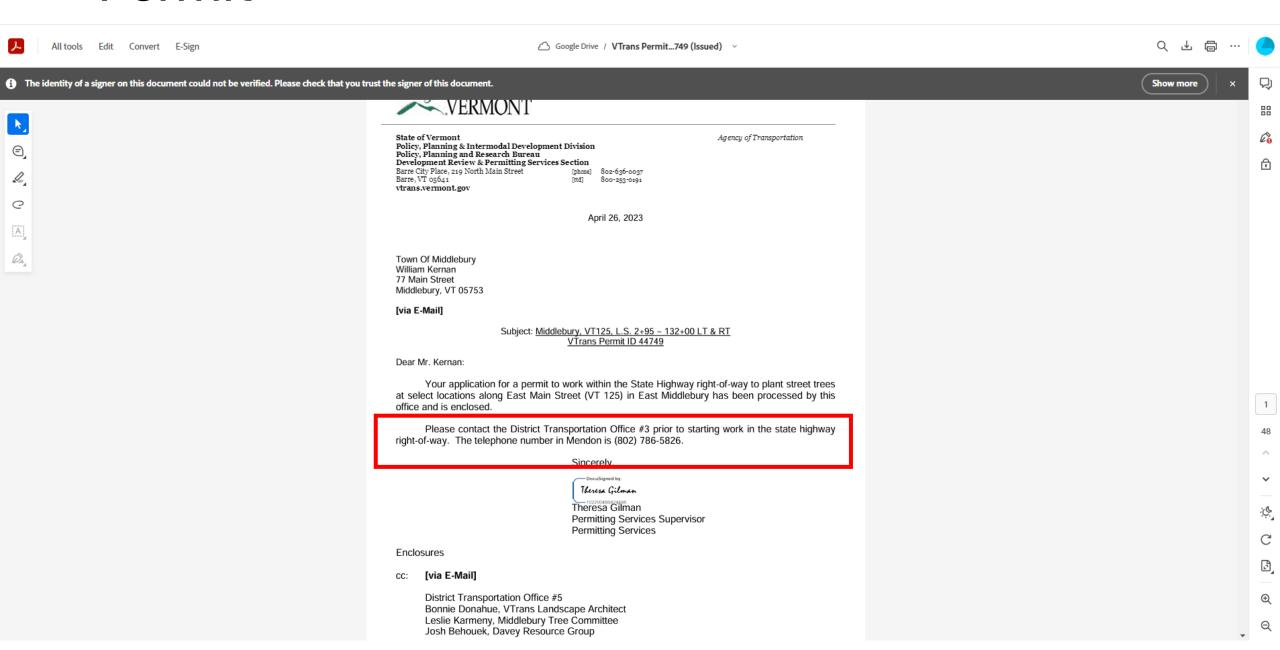
Green: Band\_2 Blue: Band 3



VCGI, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



## Permit





## Thanks!