

Cape Cod Rail Trail to Route 28 Drive-In Site Bicycle – Pedestrian Connection Study



CAPE COD
COMMISSION



AUGUST 7, 2019 and AUGUST 14, 2019

PUBLIC WORKSHOPS

TODAY'S DISCUSSION

Project Background

Routes Development

Opportunities and Challenges

Potential Route Options

Map Exercise

Feedback and Next Steps



PURPOSE OF TODAY'S MEETING

Present
information on
the study and
potential
routes

Gather public
comments

Get feedback and
discuss next steps

Project Purpose

To identify and examine potential bicycle/pedestrian connection between Cape Cod Rail Trail and Route 28 drive-in site.

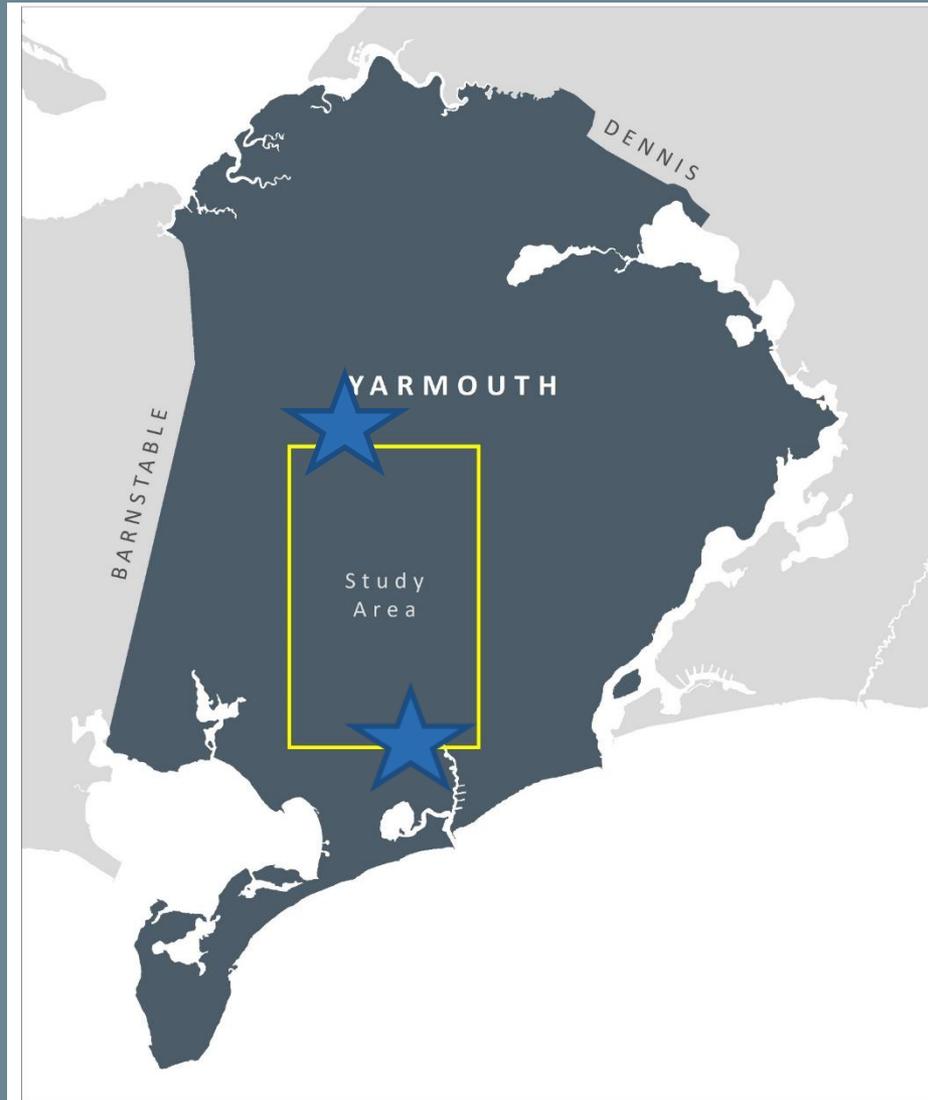
GOALS:

- Provide a comfortable and enjoyable bicycle route between the Cape Cod Rail Trail and the drive-in parcel for Yarmouth residents and visitors
- Maximize use of existing and future assets to connect the two destinations
- Minimize and/or mitigate adverse impacts to natural and cultural resources
- Minimize and/or mitigate impacts to dense residential neighborhoods

Study Timeline

- 2017 Urban Land Institute report recommendation to create bike connection between rail trail and drive-in.
- 2018 Town received District Local Technical Assistance grant to conduct a study.
- 2018 Cape Cod Commission began initial study – potential route alternatives
- 2019 Present preliminary work to public for feedback and guidance

Study Area/Locus Map



Route Options Development

- Met and consulted with Town staff
- Reviewed project goals
- Conducted site visits – both existing trails and road network
- Mapped route options and resource layers to conduct preliminary analysis
- Developed potential route options to present to the public

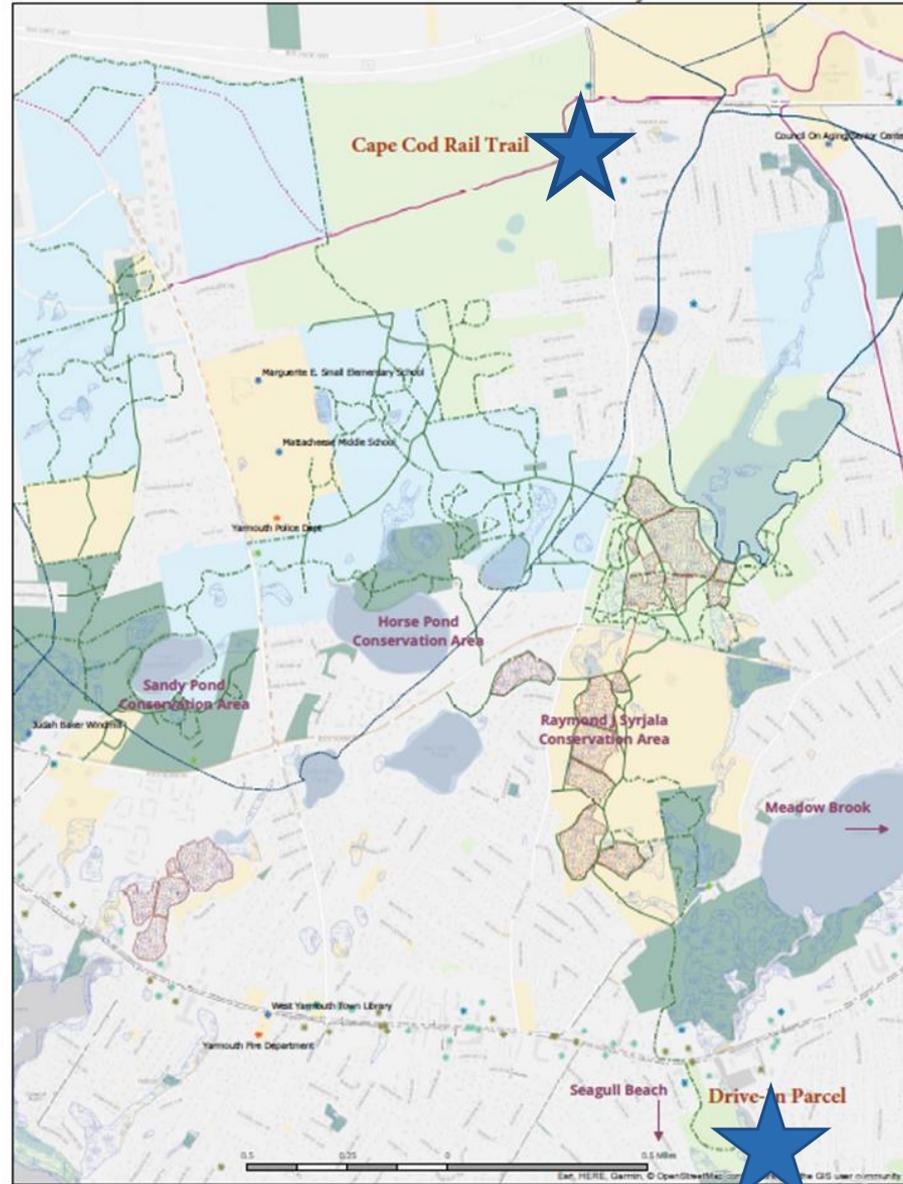


Opportunities and Challenges

Opportunities

- Town-owned Land
- Scenic, varied landscapes
- Open space, away from dense development
- Existing trail network and dirt/sand roads
- Topography – relatively flat
- Connection to economic center

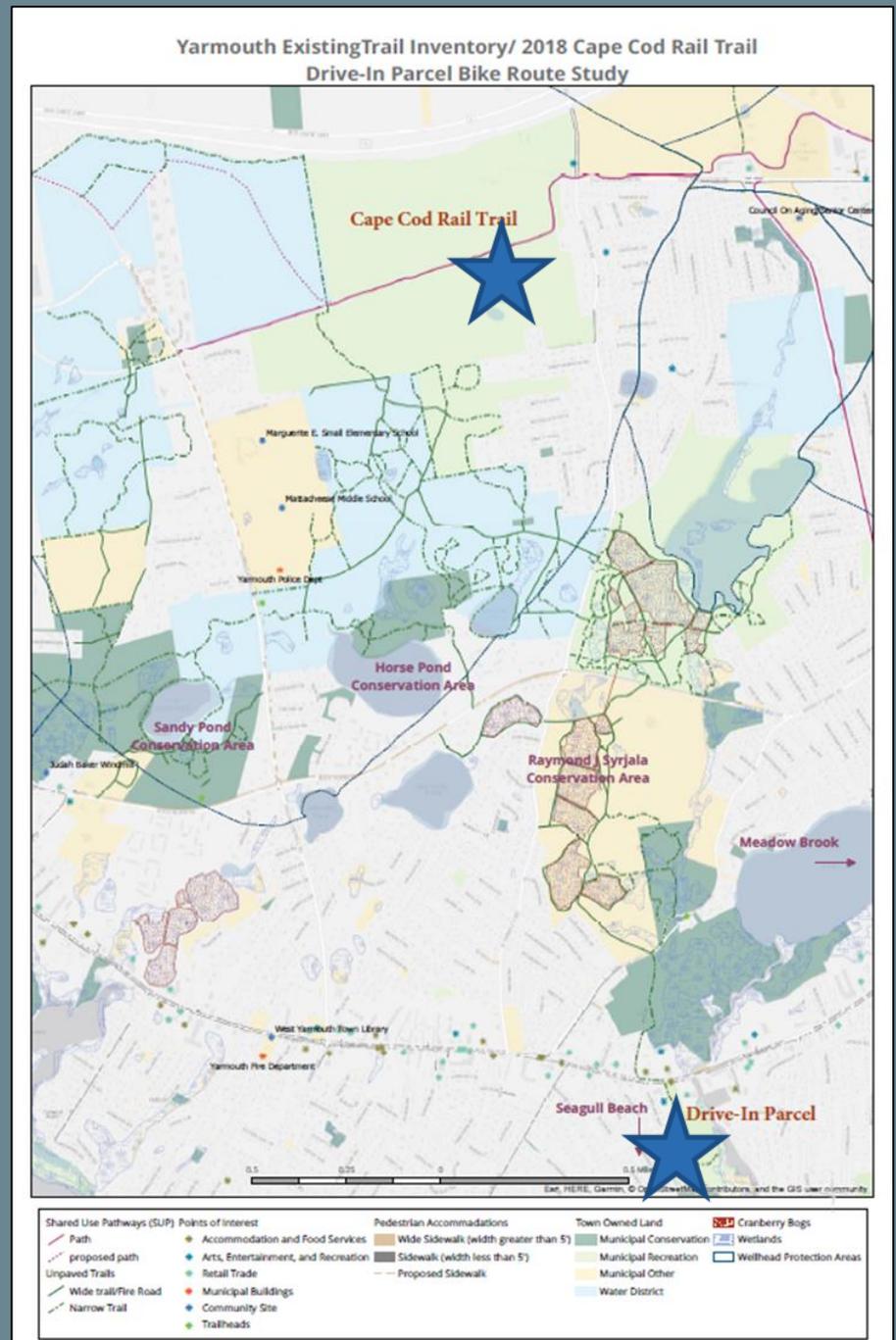
Yarmouth Existing Trail Inventory/ 2018 Cape Cod Rail Trail
Drive-In Parcel Bike Route Study



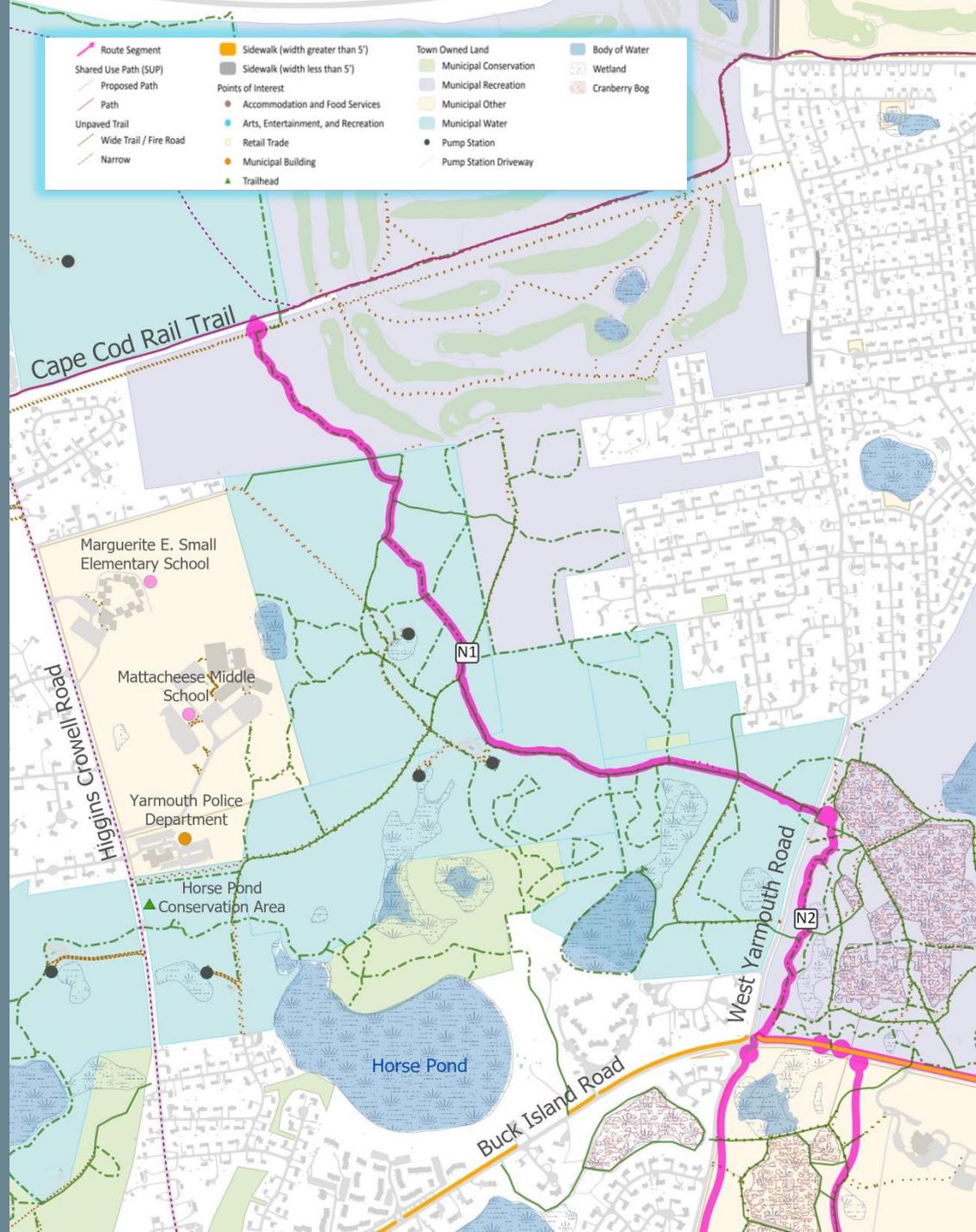
Shared Use Pathways (SUP)	Points of Interest	Pedestrian Accommodations	Town Owned Land	Cranberry Bogs
Path	Accommodation and Food Services	Wide Sidewalk (width greater than 5')	Municipal Conservation	Wetlands
proposed path	Arts, Entertainment, and Recreation	Sidewalk (width less than 5')	Municipal Recreation	Wellhead Protection Areas
Unpaved Trails	Retail Trade	Proposed Sidewalk	Municipal Other	Water District
Wide trail/Fire Road	Municipal Buildings			
Narrow Trail	Community Site			
	Trailheads			

Challenges

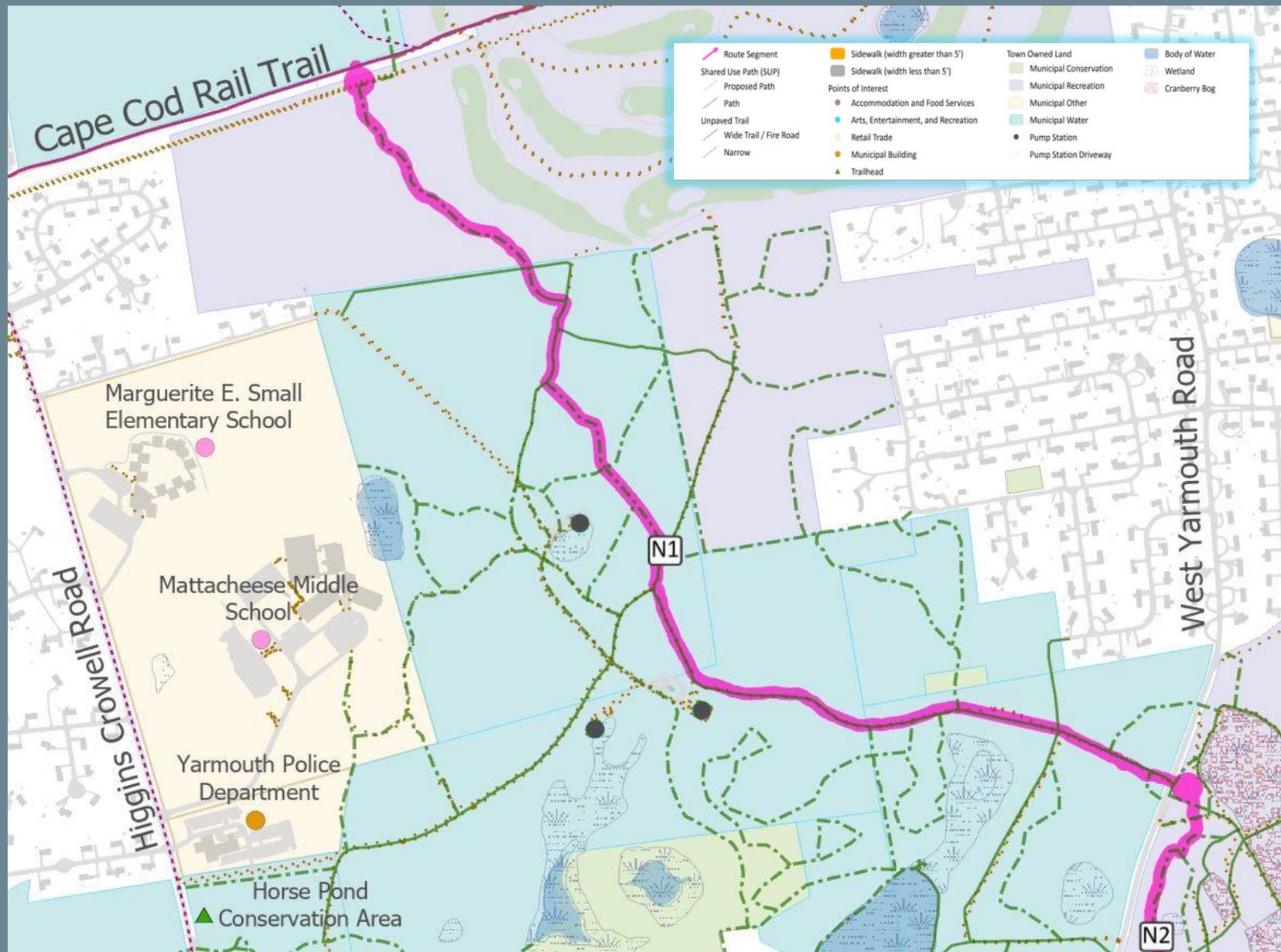
- Potential Use Conflicts
 - Active cranberry bogs
 - Conservation land & Water Department land
 - Land Management
 - Undeveloped spaces enjoyed for quiet
 - Hunting
 - Town facilities
 - Wastewater treatment
- Wetlands
- Road Crossings
- Private Property



Route Options North— Cape Cod Rail Trail to Buck Island Road



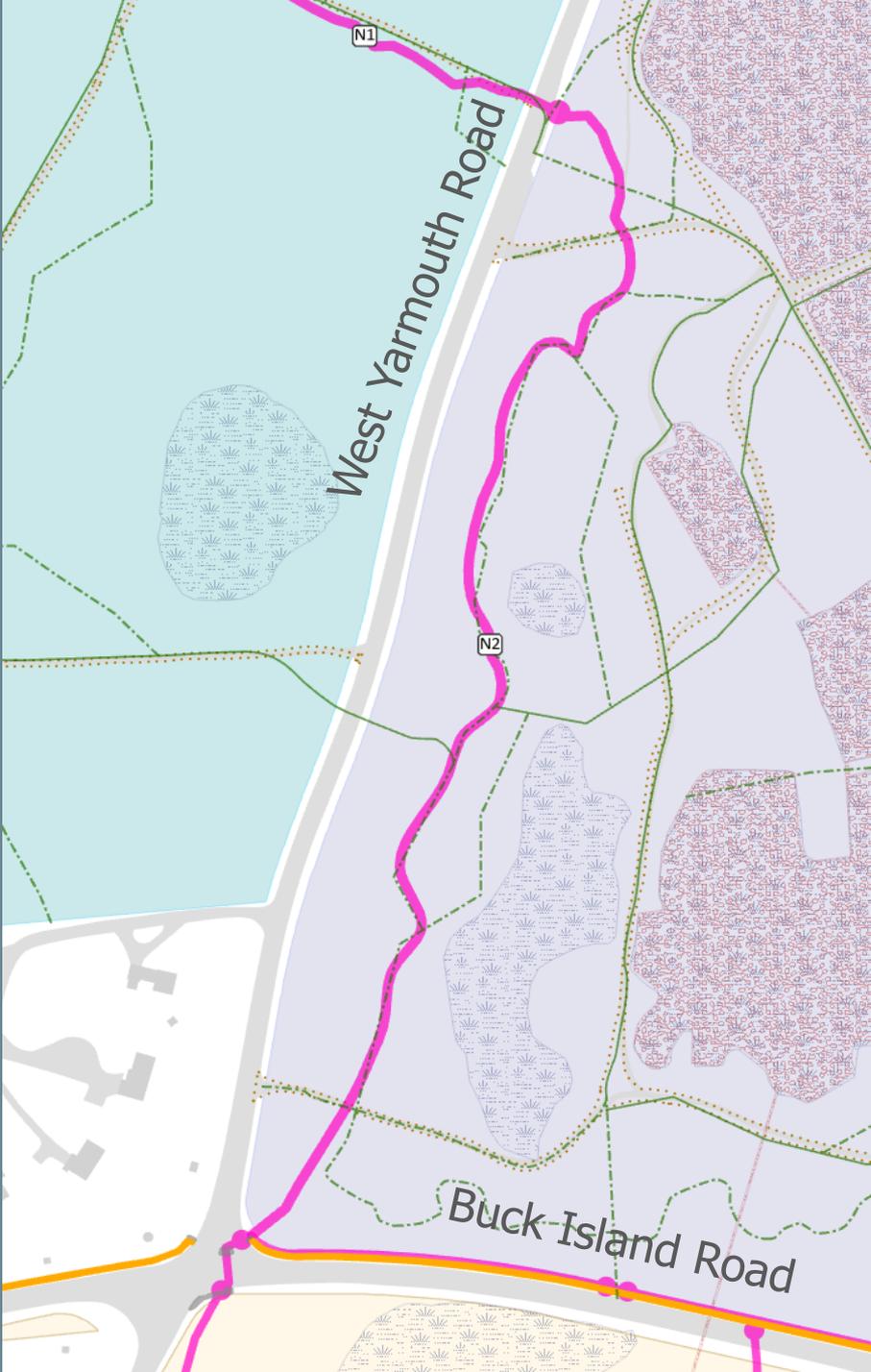
Route Options North— Cape Cod Rail Trail to West Yarmouth Road (N1)



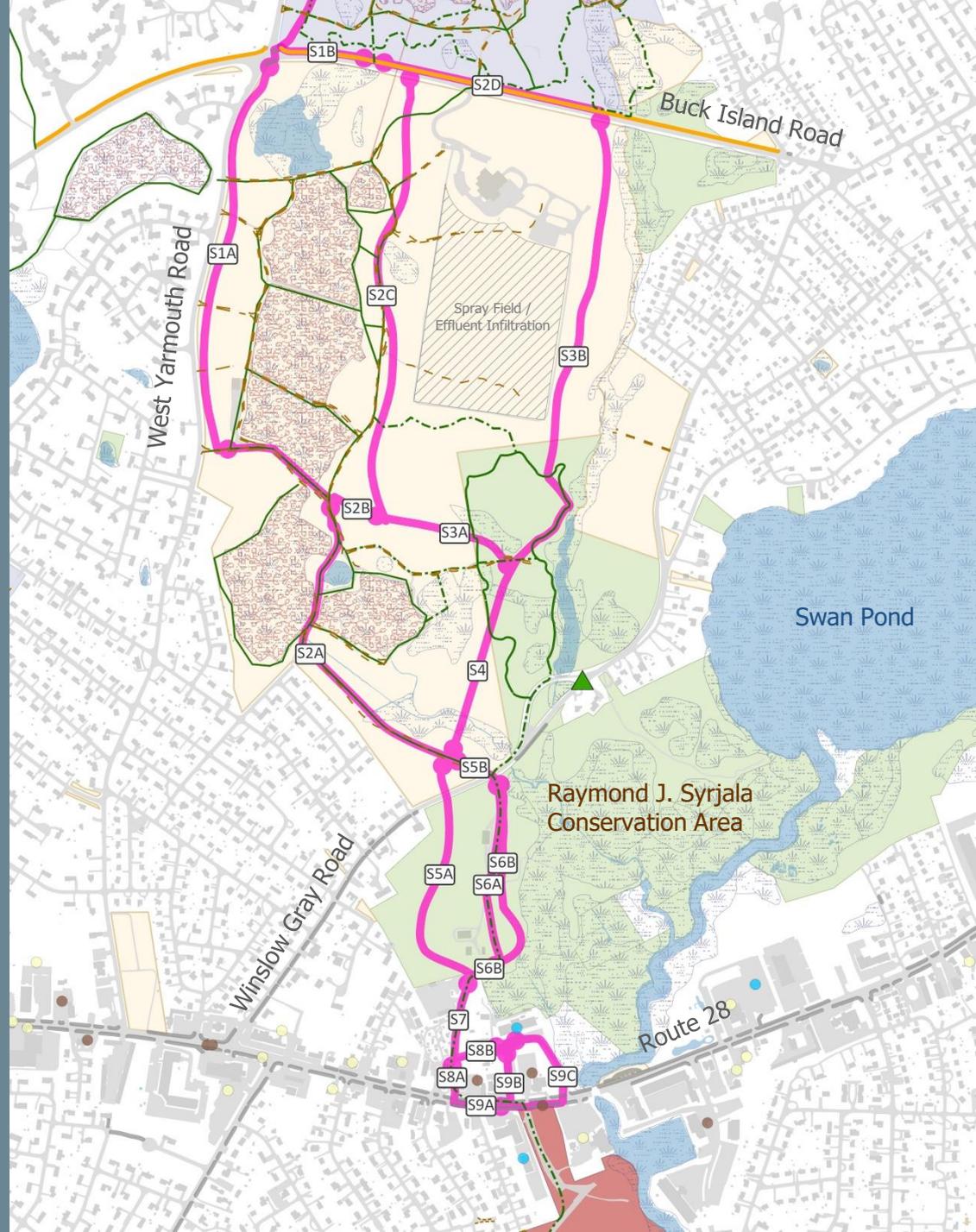
Route Options North—

West Yarmouth Road to Buck Island Road (N2)

Route Segment	Sidewalk (width greater than 5')	Town Owned Land	Body of Water
Shared Use Path (SUP)	Sidewalk (width less than 5')	Municipal Conservation	Wetland
Proposed Path	Points of Interest	Municipal Recreation	Cranberry Bog
Path	Accommodation and Food Services	Municipal Other	
Unpaved Trail	Arts, Entertainment, and Recreation	Municipal Water	
Wide Trail / Fire Road	Retail Trade	Pump Station	
Narrow	Municipal Building	Pump Station Driveway	
	Trailhead		

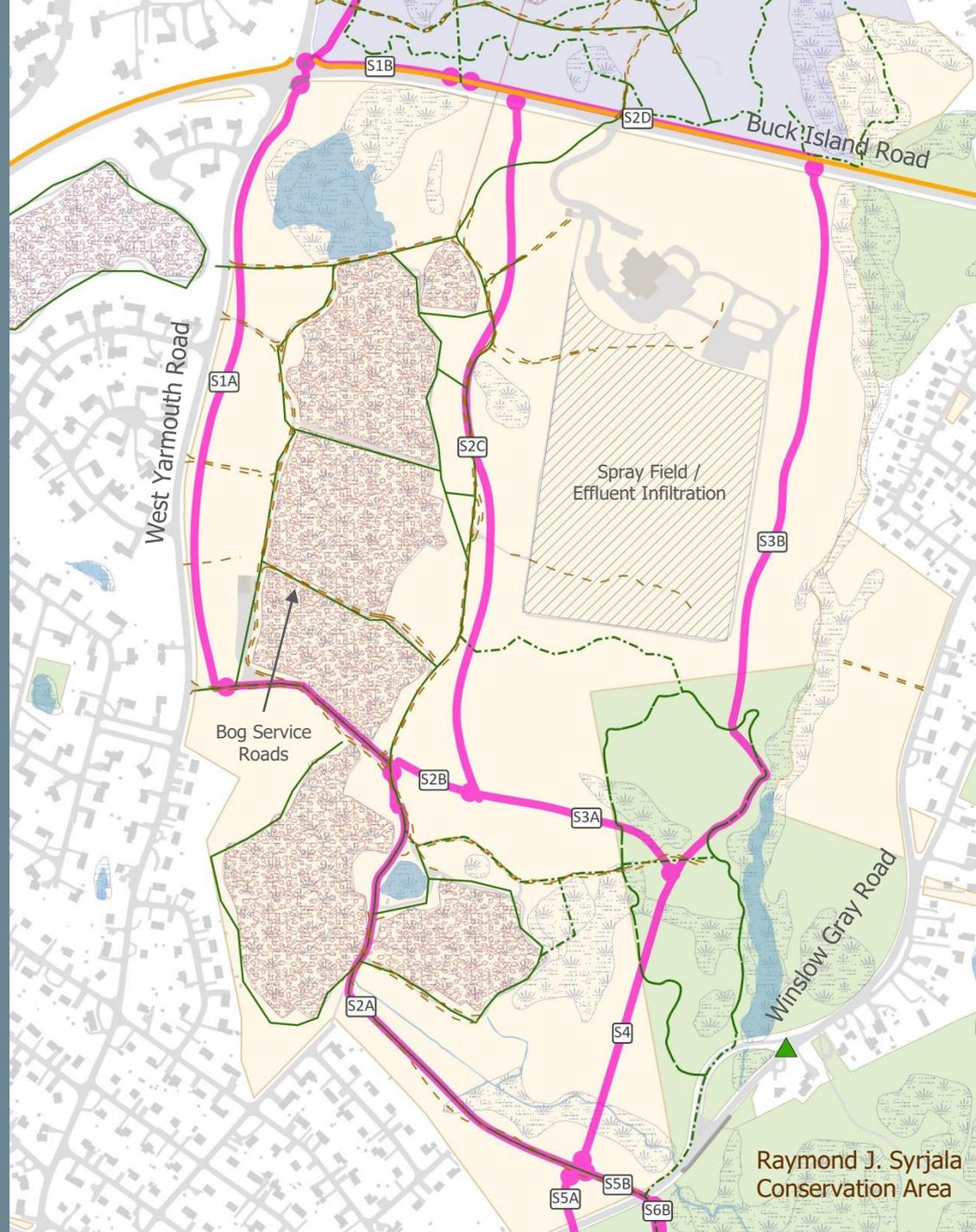


Route Options South – Buck Island Road to Drive- In Site



Route Segment	Sidewalk (width greater than 5')	Town Owned Land	Body of Water
Shared Use Path (SUP)	Sidewalk (width less than 5')	Municipal Conservation	Wetland
Proposed Path	Points of Interest	Municipal Recreation	Cranberry Bog
Path	Accommodation and Food Services	Municipal Other	
Unpaved Trail	Arts, Entertainment, and Recreation	Municipal Water	
Wide Trail / Fire Road	Retail Trade	Pump Station	
Narrow	Municipal Building	Pump Station Driveway	
	Trailhead		

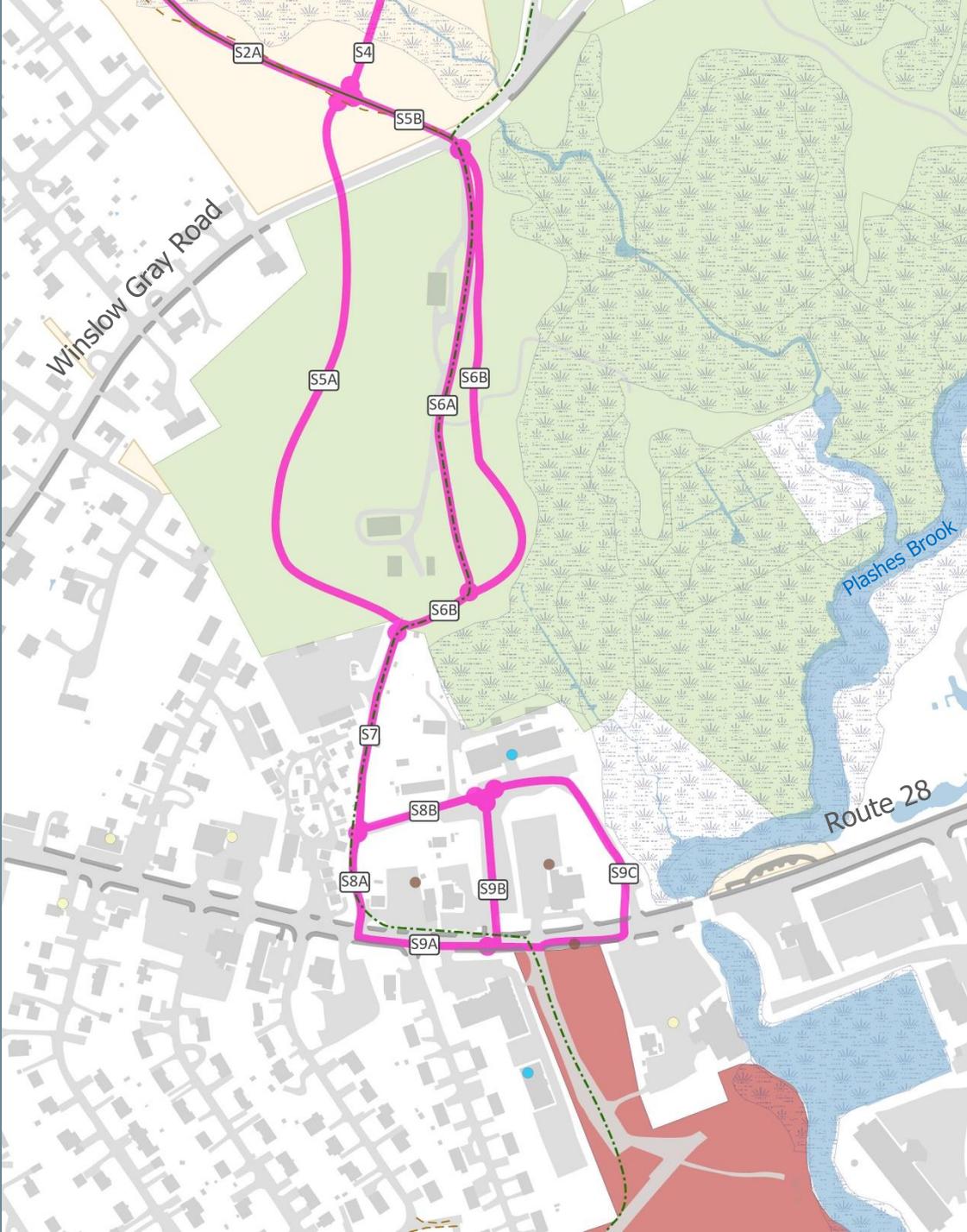
Route Options South – Buck Island Road to Winslow Gray Road (S1~S5)



Route Segment	Sidewalk (width greater than 5')	Town Owned Land	Body of Water
Shared Use Path (SUP)	Sidewalk (width less than 5')	Municipal Conservation	Wetland
Proposed Path	Points of Interest	Municipal Recreation	Cranberry Bog
Path	Accommodation and Food Services	Municipal Other	
Unpaved Trail	Arts, Entertainment, and Recreation	Municipal Water	
Wide Trail / Fire Road	Retail Trade	Pump Station	
Narrow	Municipal Building	Pump Station Driveway	
	Trailhead		

Raymond J. Syrjala
Conservation Area

Route Options South – Winslow Gray Road to Drive-In Site (S5~S9)



Route Segment	Sidewalk (width greater than 5')	Town Owned Land	Body of Water
Shared Use Path (SUP)	Sidewalk (width less than 5')	Municipal Conservation	Wetland
Proposed Path	Points of Interest	Municipal Recreation	Cranberry Bog
Path	Accommodation and Food Services	Municipal Other	
Unpaved Trail	Arts, Entertainment, and Recreation	Municipal Water	
Wide Trail / Fire Road	Retail Trade	Pump Station	
Narrow	Municipal Building	Pump Station Driveway	
	Trailhead		

Path Design Elements



Standard Shared Use Path – 10’ with 2’
grass shoulders

Surface treatment:
Asphalt - or -



Non-Asphalt, hardened surface may be
desired to keep “natural” character.



Road Crossings: Flashing beacons or
upgrades to existing signals

Cost Estimates

Overall Distance
(approximately)
3.2 – 3.5 miles

Cost range:
\$4.3 - \$4.8 million

Unit Costs

Adding signage to existing sidewalk	\$1 per linear foot
Share the Road signage & markings	\$2 per linear foot
Expanded sidewalk (over 5')	\$100 per linear foot
Multi-use path (10')	220 per linear foot
Hardened surface, unpaved	\$\$75 per linear foot
Hardened surface, paved	\$125 linear foot
Upgraded or new crosswalk	\$20,000 per installation

Map Exercise

See the poster size maps on tables.

Tell us what you think!

What do you like? What don't you like?

Do you have route preferences or suggestions?

FEEDBACK/WRAP-UP

NEXT STEPS

- + Workshop August 14 (6 PM Yarmouth Town Hall)
- + Issue a public survey mid-late September
- + Continue to collect public comments
- + Draft report in November
- + Final report end of December

THANK YOU!



CAPE COD
COMMISSION

Comments/questions
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Project information:

<https://www.yarmouth.ma.us/1779/Bicycle-and-Pedestrian-Connectivity-Proj>