

City of Keene Transportation Heritage Trail

Project #43737/44166

Alternatives Meeting
January 8, 2024
Keene, NH



Introductions

City Staff

Andy Bohannon - Parks &
Recreation Director

Don Lussier – City Engineer

Brett Rusnock – Project
Manager

Stantec Staff

David McNamara – Project
Manager

Joe Rubino – Lead Designer

Tyler Gagnon – Project
Engineer

Meeting Purpose

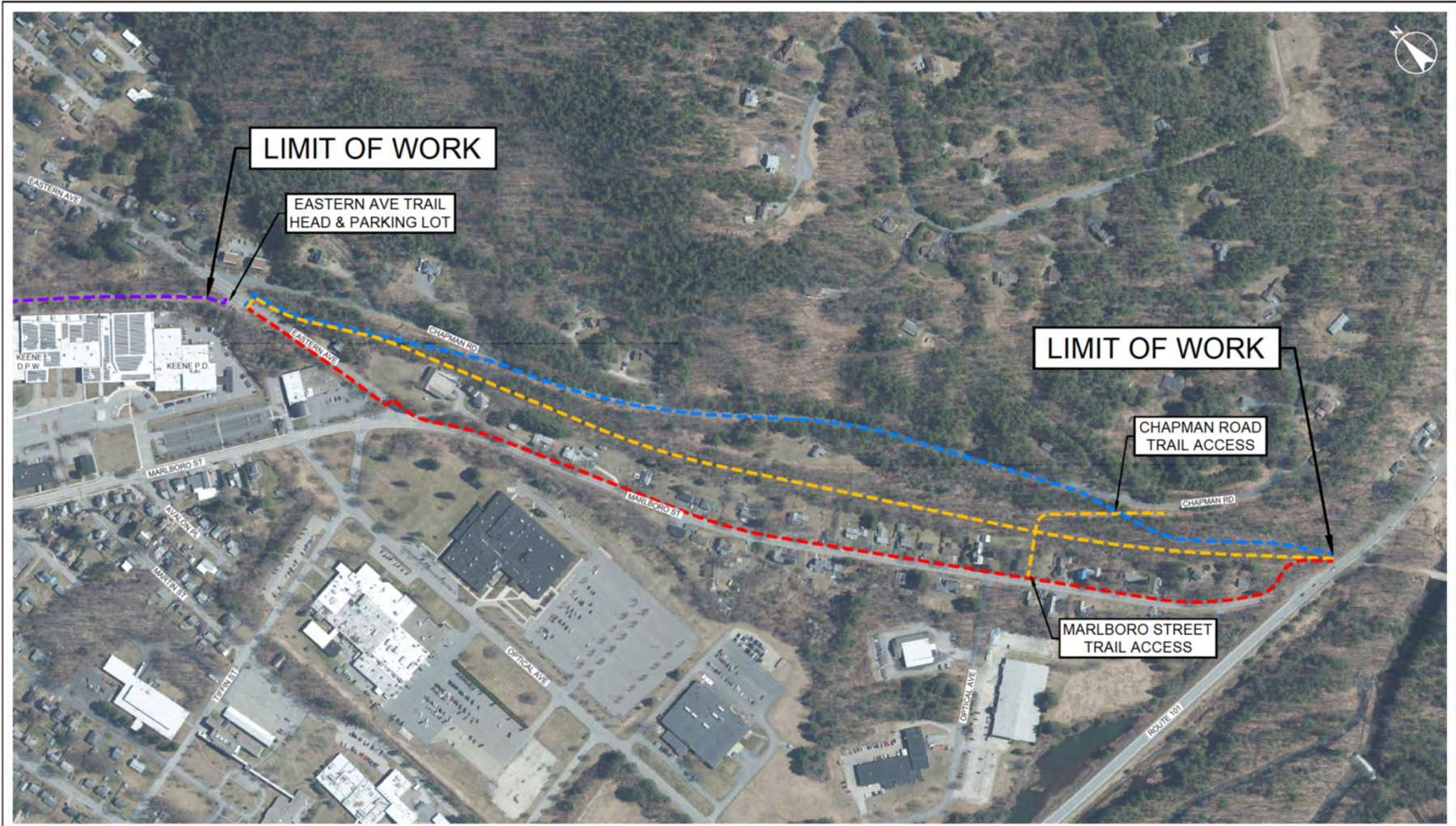
- Review the 12/04/23 Local Concerns Meeting
- Project Alternatives
 - Alignments
 - Screening
 - Trailhead/Crossing
 - Trail Surfacing
- Proposed Project Schedule & Next Steps
- Open Forum

Local Concerns Meeting Recap

- Project Purpose and Need
 - Connectivity
- Project Overview and Process
- Breakout Sessions
- Open Forum
- Overall Takeaways
 - Over 60 Attendees
 - Trail Usage Survey
 - Biking
 - Walking for Exercise
 - Walking to a Destination
 - Cross Country Skiing/Snowshoeing
 - Jogging
 - Two main concerns
 - Drainage
 - Security/Privacy







Project Alternatives - Alignments



CITY OF KEENE, NH
TRANSPORTATION HERITAGE TRAIL PROJECT
01/08/2023

LEGEND

-  EXIST. CHESHIRE RAIL TRAIL
-  RAILROAD CORRIDOR ALIGNMENT
-  ALTERNATIVE 1 - CHAPMAN ROAD
-  ALTERNATIVE 2 - MARLBORO STREET

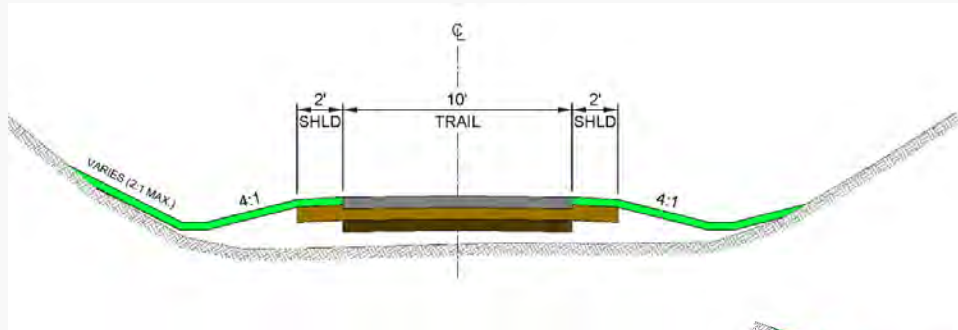


LIMITS OF WORK PLAN

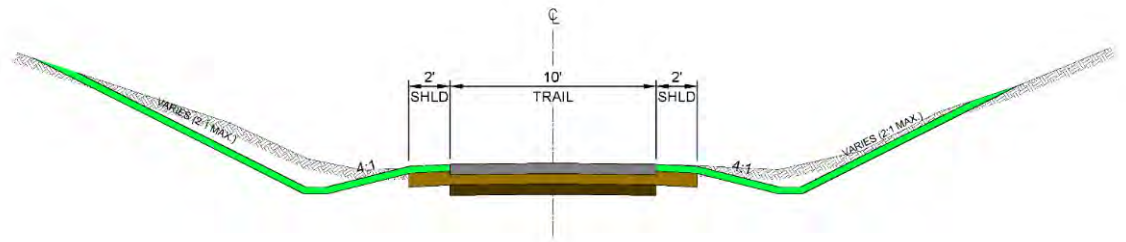
SCALE: 1" = 150'



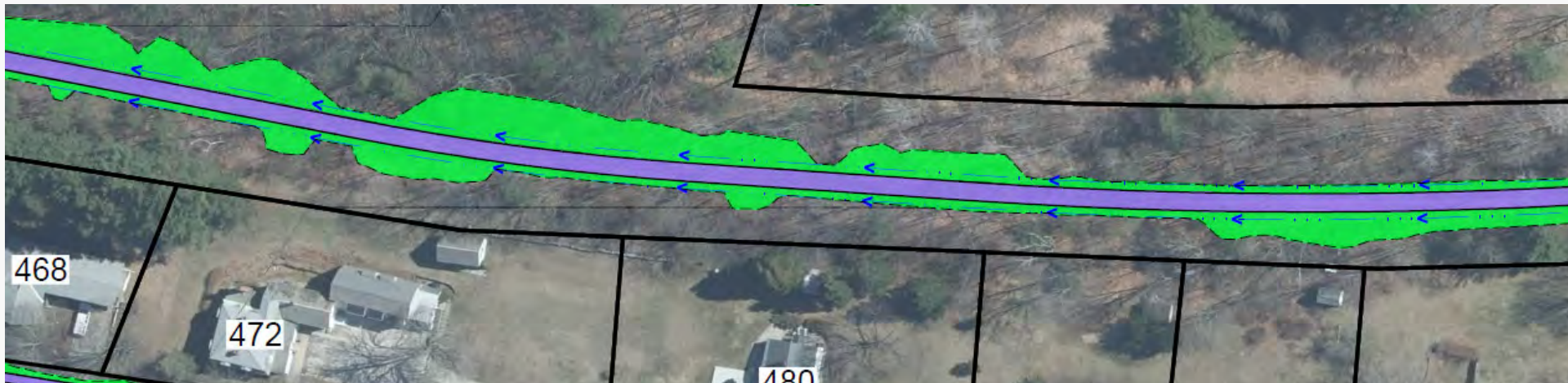
Project Alternatives – Alignments Railroad Corridor



Raised Profile

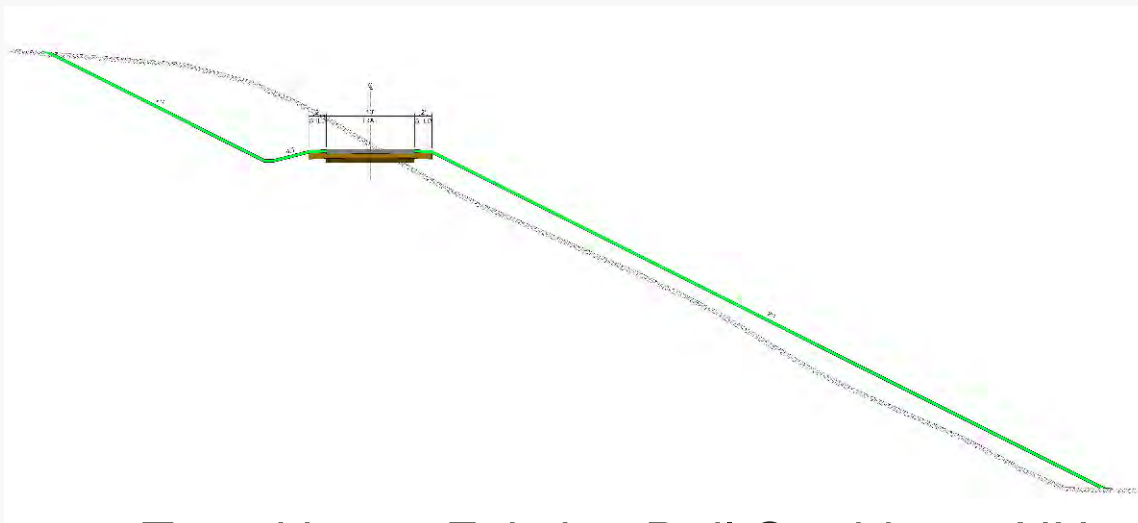
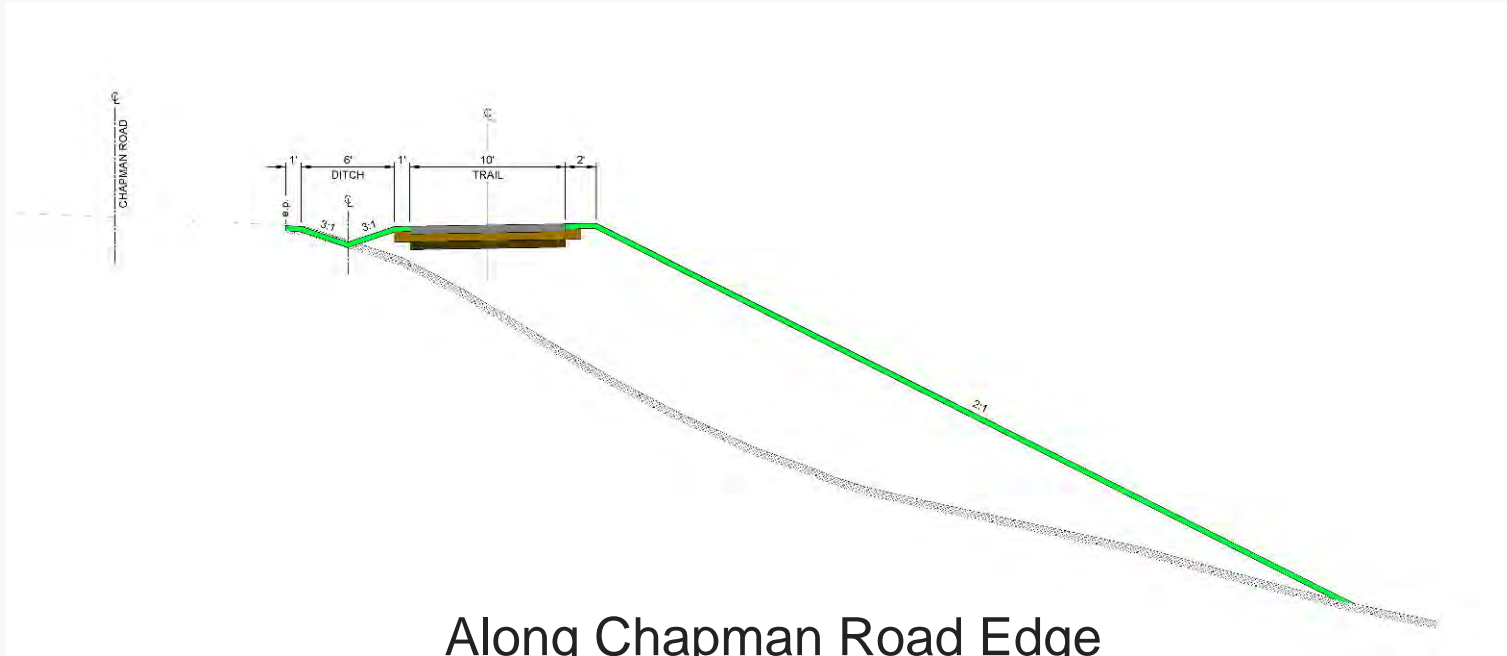


At Existing Grade



Project Alternatives – Alignments

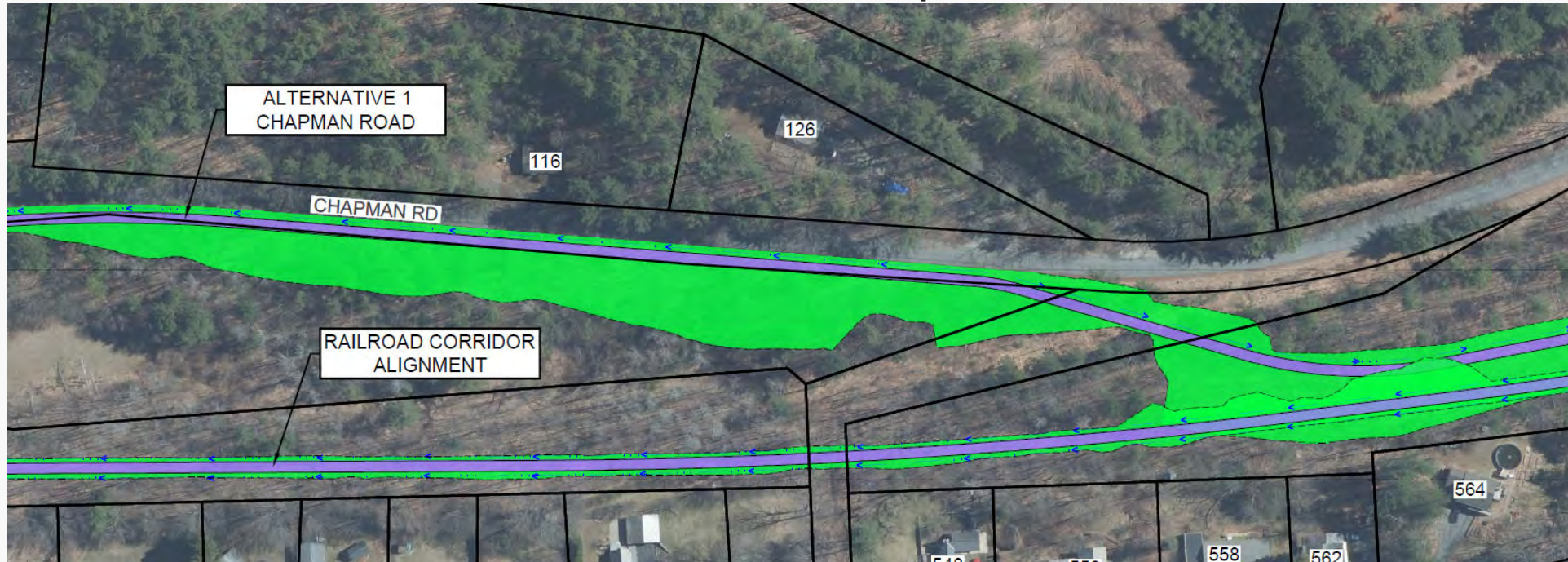
Alternative 1 - Chapman Road



Transition to Existing Rail Corridor at NH 101

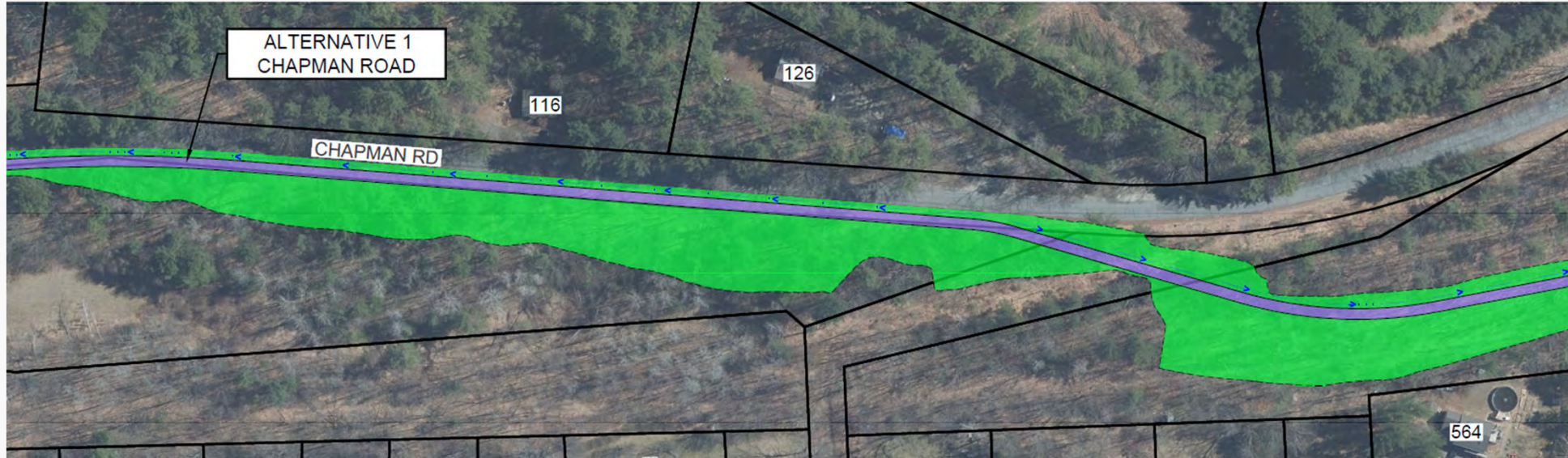
Project Alternatives – Alignments

Alternative 1 – Chapman Road



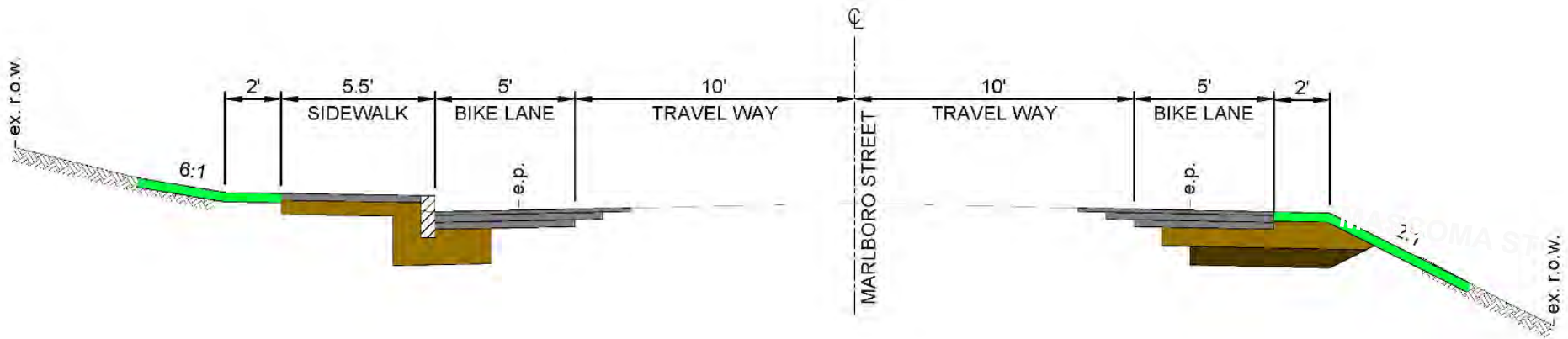
Project Alternatives – Alignments

Alternative 1 – Chapman Road



Project Alternatives – Alignments

Alternative 2 - Marlboro Street



Complete Street Layout

BICYCLE STREETS

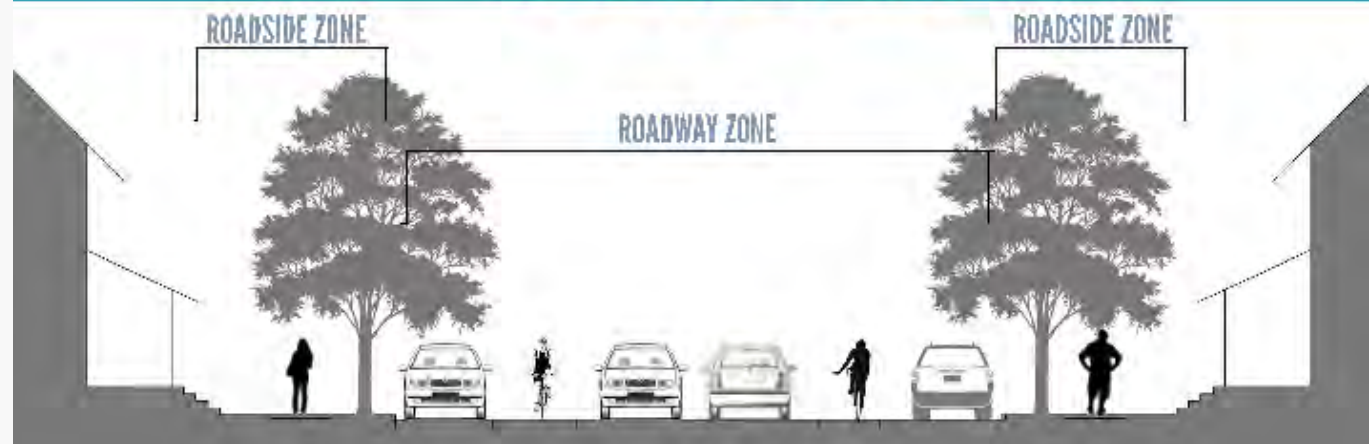
This street type gives bicycles priority treatment through street improvements intended to enhance bicycle convenience and safety (e.g. bike lanes, sharrows, bicycle racks, etc.). Bicycle Streets, together with Gateway Streets, Slow Streets and off-road paths, provide a bicycle network that traverses the City and provides safe space for bicyclists.



Washington Street Bike Lane

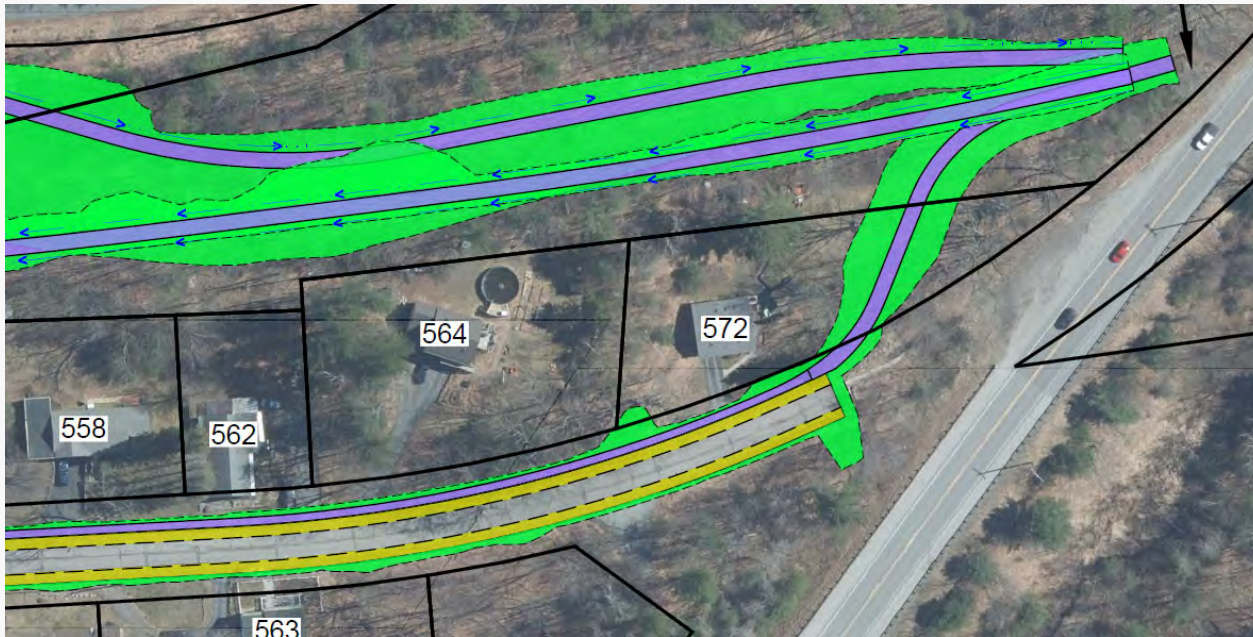
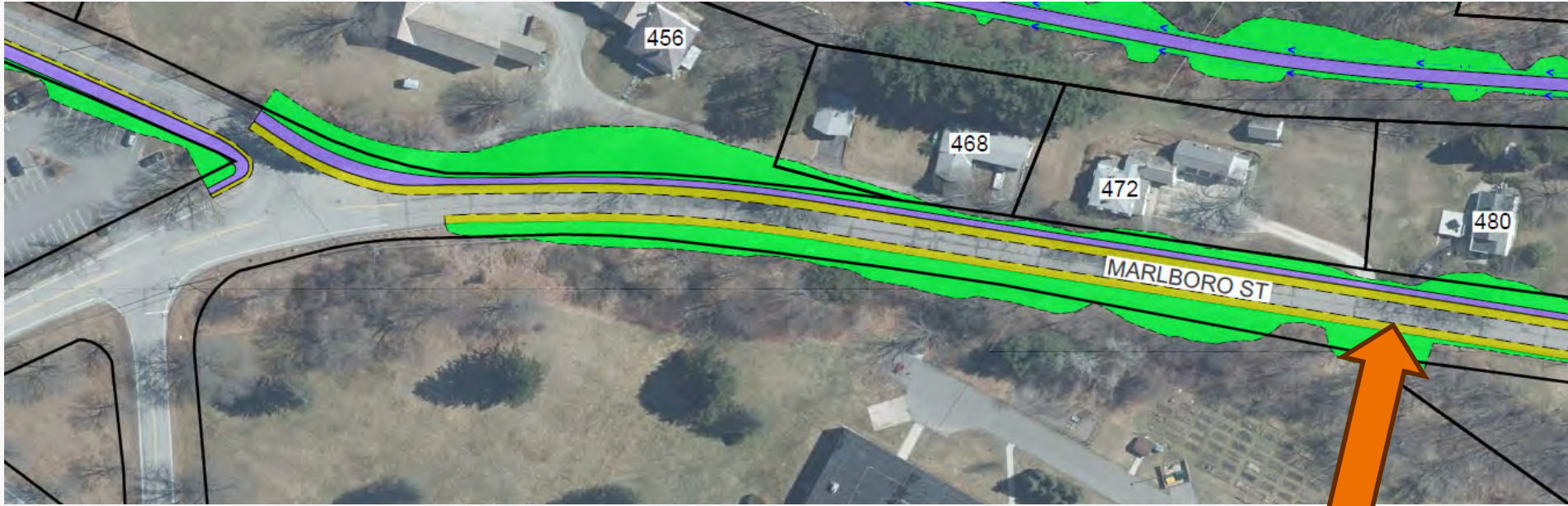
KEENE COMPLETE STREETS PLANNING & DESIGN GUIDELINES

BICYCLE STREET ELEMENTS



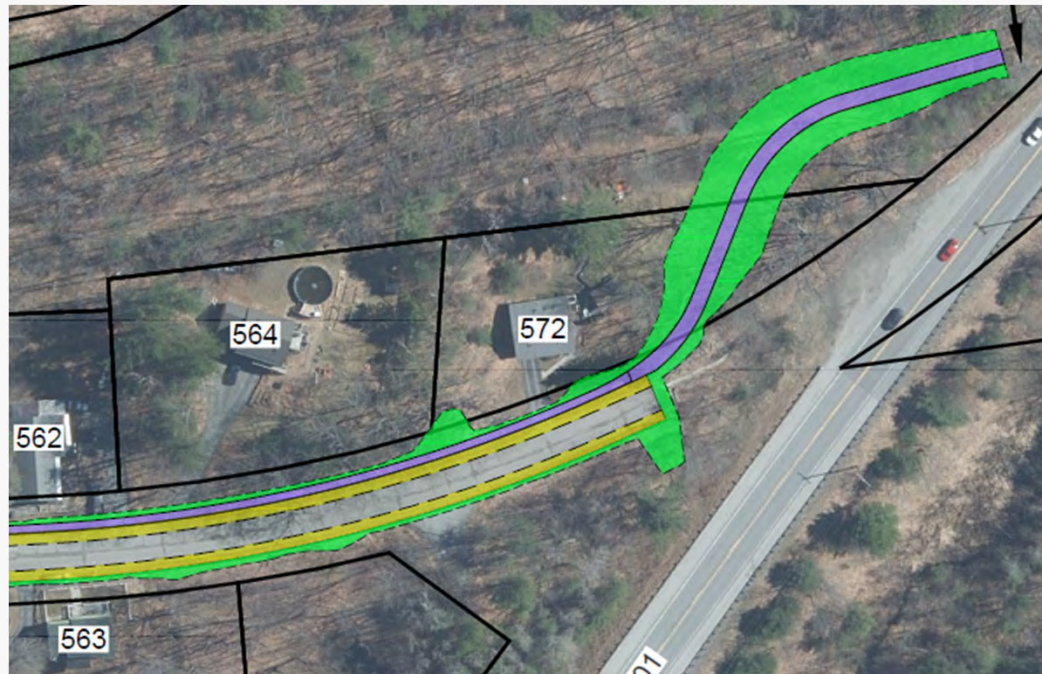
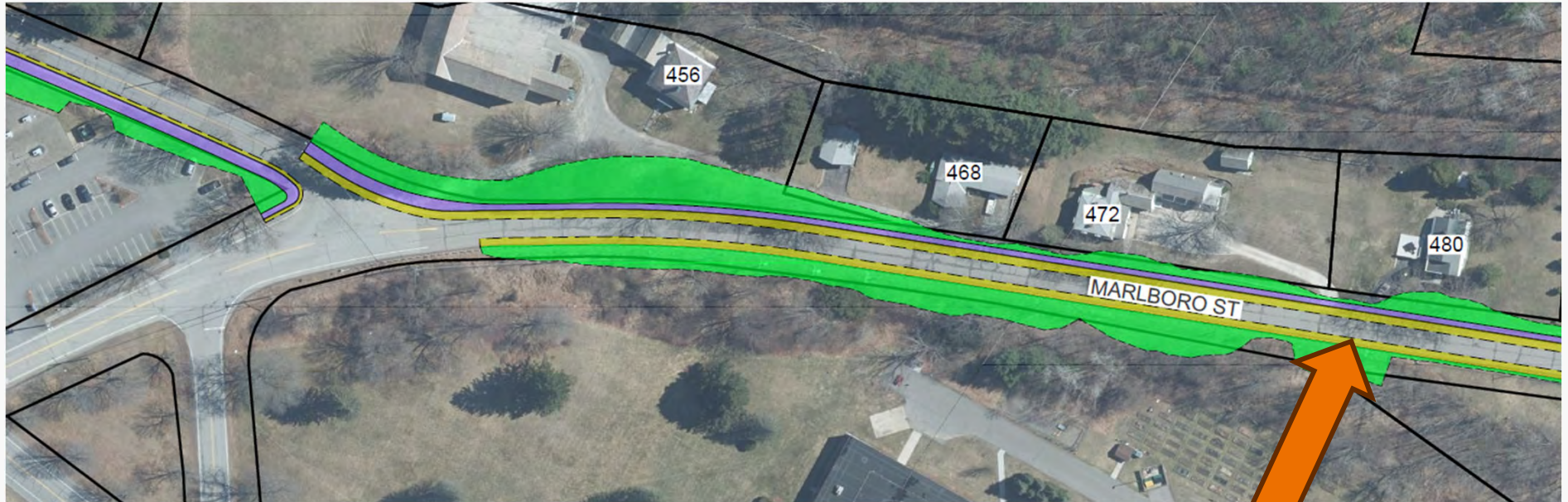
Project Alternatives – Alignments

Alternative 2 – Marlboro Street

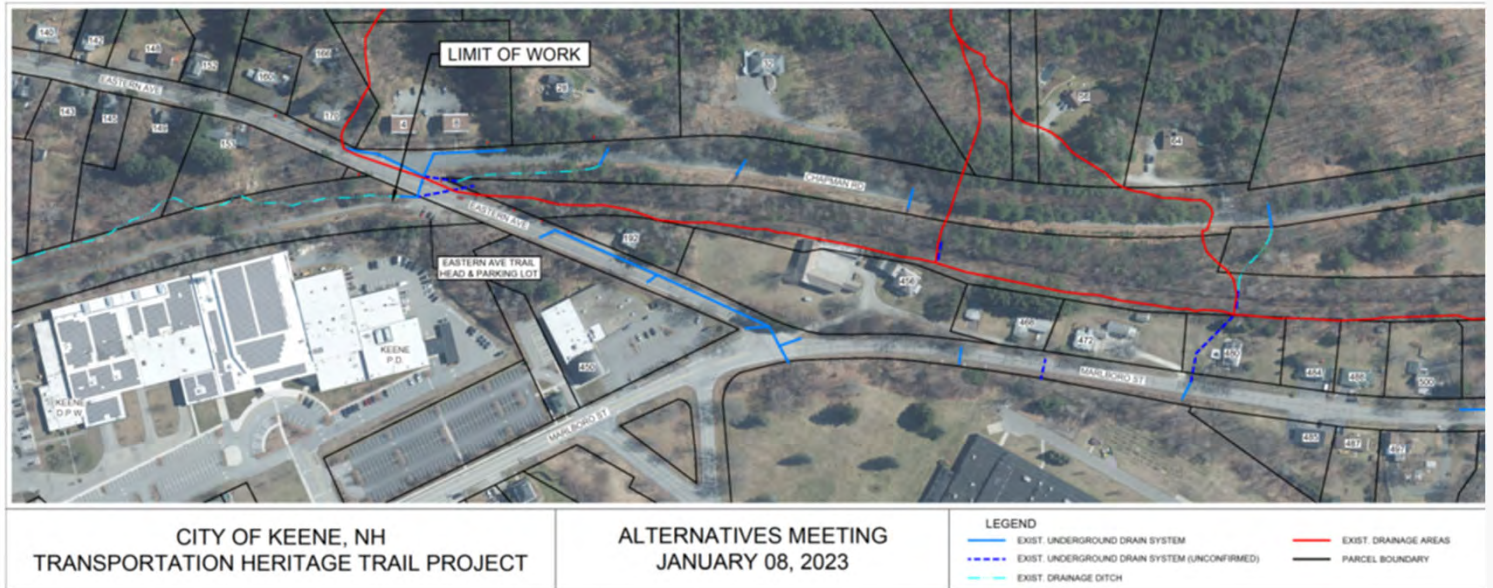


Project Alternatives – Alignments

Alternative 2 – Marlboro Street



Stormwater Management



Alternatives Comparison

Rating Criteria - Alignment Alternatives

Criteria:	Accessibility	Connectivity	User Safety	Property Impacts & ROW	Stormwater and Water Quality	Costs	Visual Impacts to Abutters	Trail Character	Overall
No Build	●	●	●	●	●	●	●	●	●
Railroad Corridor Alignment	●	●	●	●	●	●	●	●	●
Alternative 1 - Chapman Road	●	●	●	●	●	●	●	●	●
Alternative 2 - Marlboro Street Complete Street	●	●	●	●	●	●	●	●	●

● - Negative ● - Neutral ● - Positive

Discussion - Alignment and Surface Alternatives

Railroad Corridor Alignment
Alternative 1 - Chapman Road
Alternative 2 - Marlboro Street

Screening



Alternatives Comparison

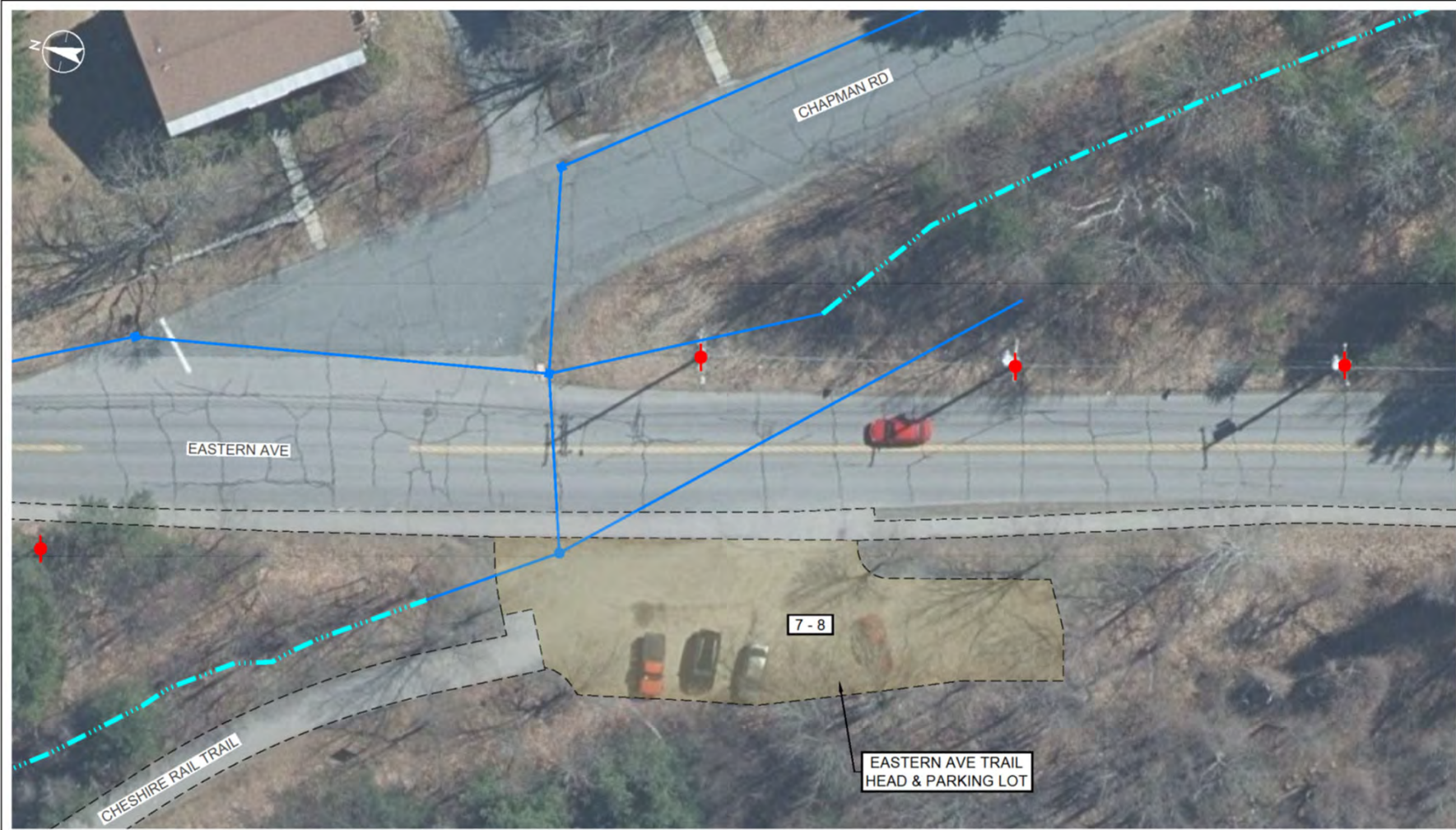
Rating Criteria - Screening

Criteria:	Cost	Maintenance	Aesthetics	Privacy	Security	Overall
No Build	●	●	●	●	●	●
Landscaping	●	●	●	●	●	●
Chain Link with privacy slats	●	●	●	●	●	●
Split Rail/Post and Rail	●	●	●	●	●	●
Stockade/Shadowbox	●	●	●	●	●	●

● - Negative ● - Neutral ● - Positive

Discussion - Screening Alternatives

Trailhead and Crossing



CITY OF KEENE, NH
 TRANSPORTATION HERITAGE TRAIL PROJECT
 JANUARY 08, 2023

LEGEND	
	EXIST. UNDERGROUND DRAINAGE SYSTEM
	EXIST. DRAINAGE DITCH
	EXIST. PAVED TRAIL / SIDEWALK
	EXIST. PARKING LOT

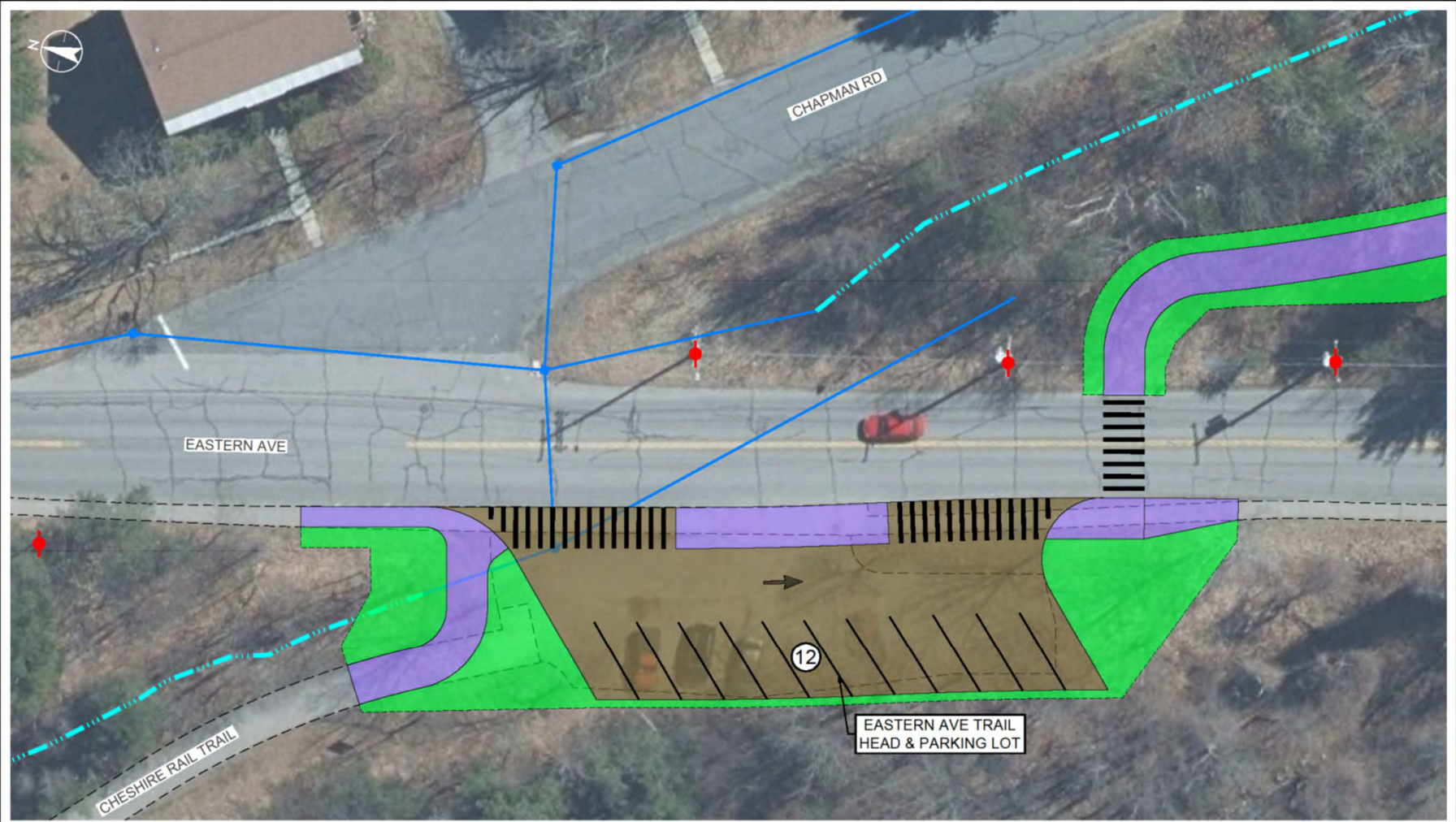


EASTERN AVE
 TRAIL CROSSING
 EXISTING CONDITIONS

SCALE: 1" = 10'



Trailhead and Crossing



CITY OF KEENE, NH
 TRANSPORTATION HERITAGE TRAIL PROJECT
 JANUARY 08, 2023

LEGEND	
	EXIST. UNDERGROUND DRAINAGE SYSTEM
	EXIST. DRAINAGE DITCH
	EXIST. TRAIL / SIDEWALK
	PROP. TRAIL / SIDEWALK
	PROP. PARKING LOT

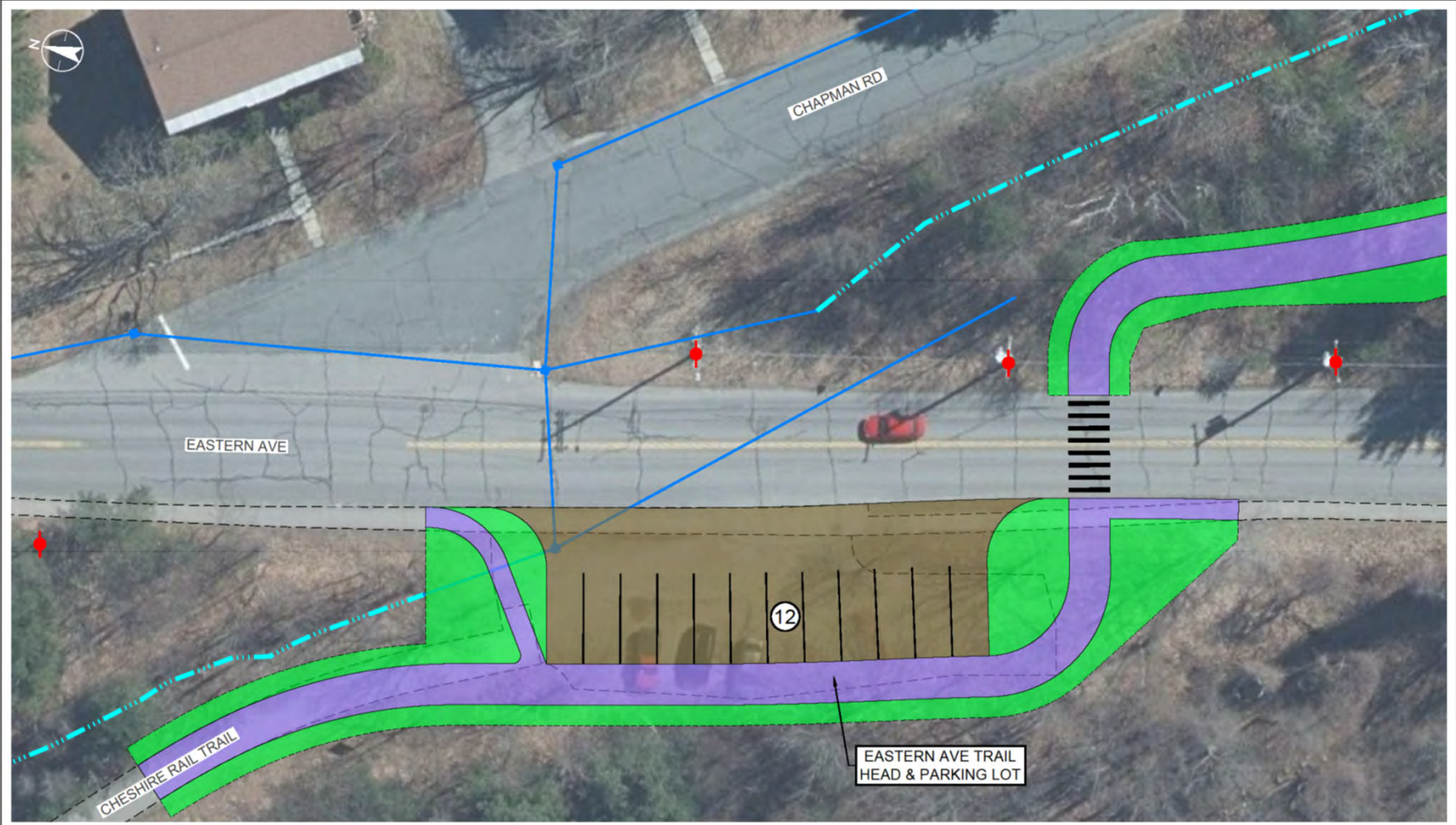


EASTERN AVE
 TRAIL CROSSING
 ALTERNATIVE - 1

SCALE: 1" = 10'



Trailhead and Crossing



CITY OF KEENE, NH
 TRANSPORTATION HERITAGE TRAIL PROJECT
 JANUARY 08, 2023

LEGEND	
	EXIST. UNDERGROUND DRAINAGE SYSTEM
	EXIST. DRAINAGE DITCH
	EXIST. TRAIL / SIDEWALK
	PROP. TRAIL / SIDEWALK
	PROP. PARKING LOT

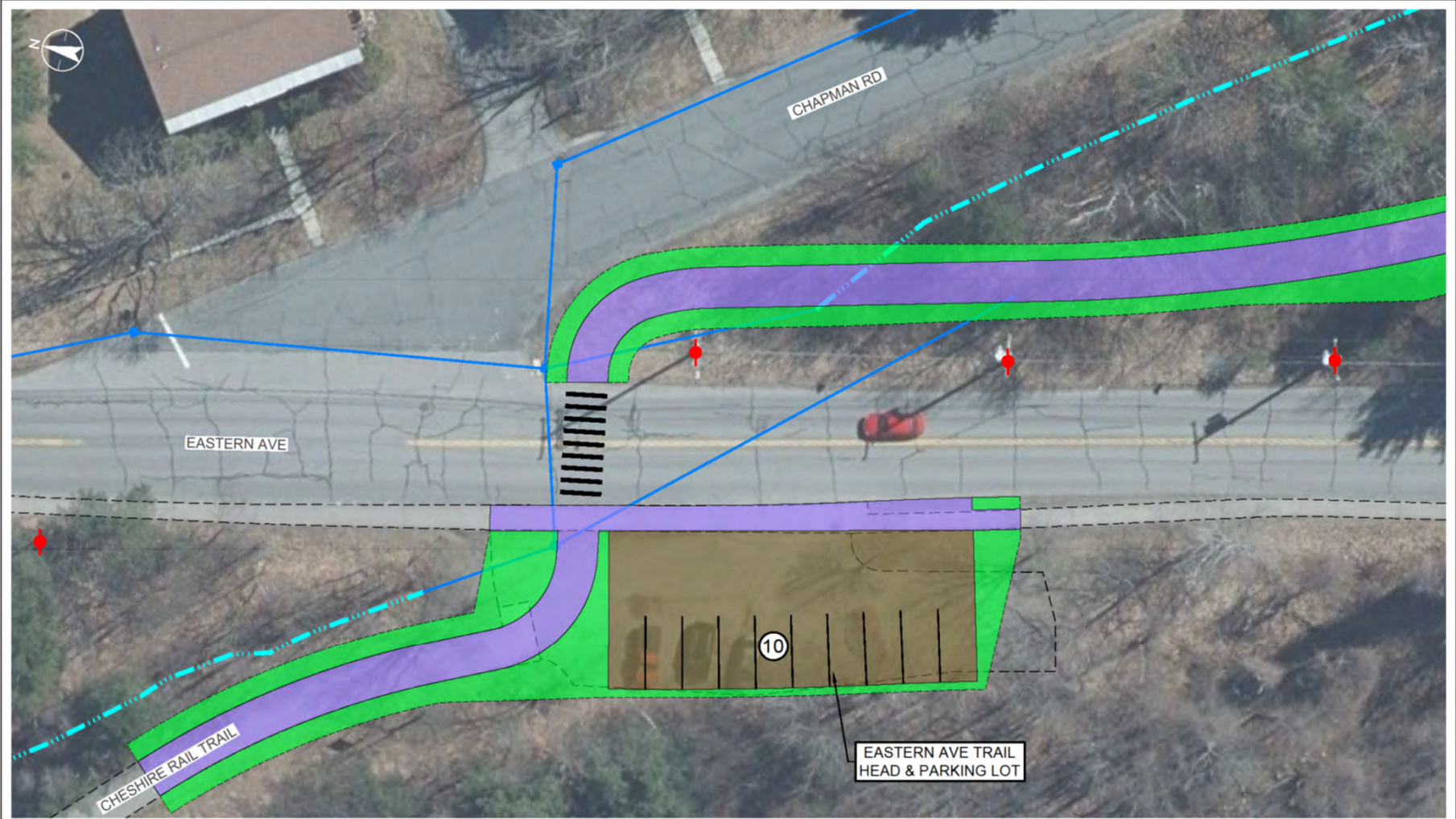


EASTERN AVE
 TRAIL CROSSING
 ALTERNATIVE - 2

SCALE: 1" = 10'








Trailhead and Crossing



CITY OF KEENE, NH
 TRANSPORTATION HERITAGE TRAIL PROJECT
 JANUARY 08, 2023

LEGEND

-  EXIST. UNDERGROUND DRAINAGE SYSTEM
-  EXIST. DRAINAGE DITCH
-  EXIST. PAVED TRAIL / SIDEWALK
-  PROP. PAVED TRAIL / SIDEWALK
-  PROP. PARKING LOT

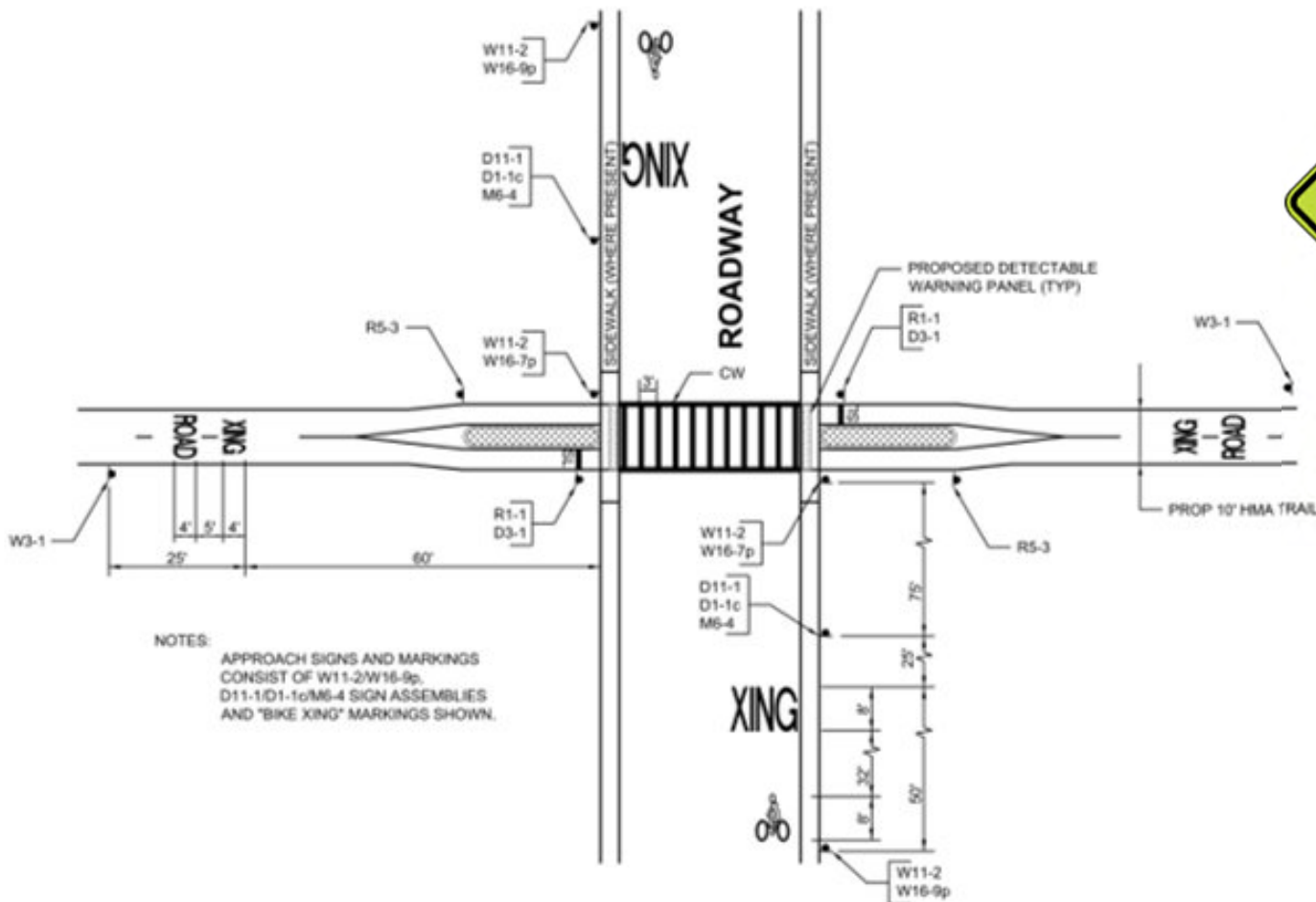


EASTERN AVE
 TRAIL CROSSING
 ALTERNATIVE - 3

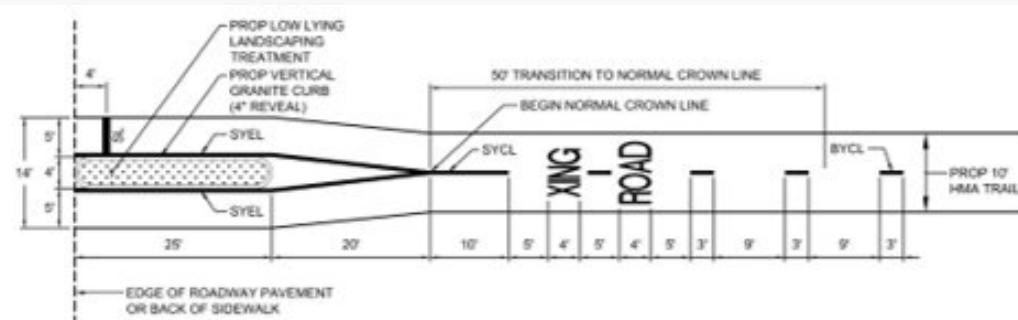
SCALE: 1" = 10'



Trailhead and Crossing



TYPICAL INTERSECTION SIGNS AND MARKINGS



INTERSECTION APPROACH PAVEMENT MARKING DETAIL

Alternative Comparison

Rating Criteria - Trailhead and Parking

Criteria:	User Safety	Parking Capacity	Vehicle Access	Property Impacts & ROW	Stormwater and Water	Overall
No Build	●	●	●	●	●	●
Alternative 1	●	●	●	●	●	●
Alternative 2	●	●	●	●	●	●
Alternative 3	●	●	●	●	●	●

● - Negative ● - Neutral ● - Positive

Discussion - Trailhead and Crossing Alternatives

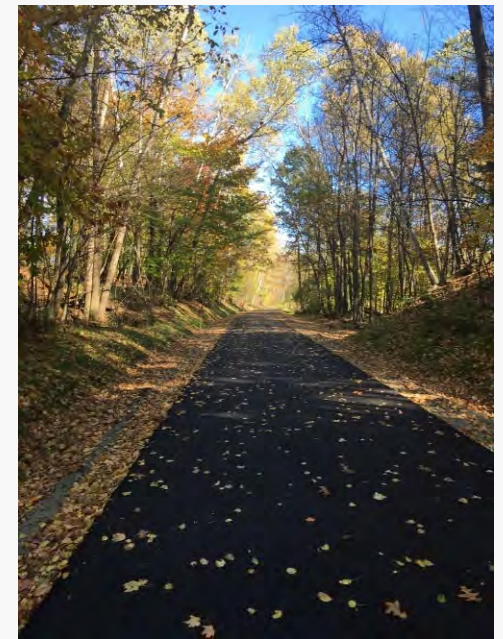
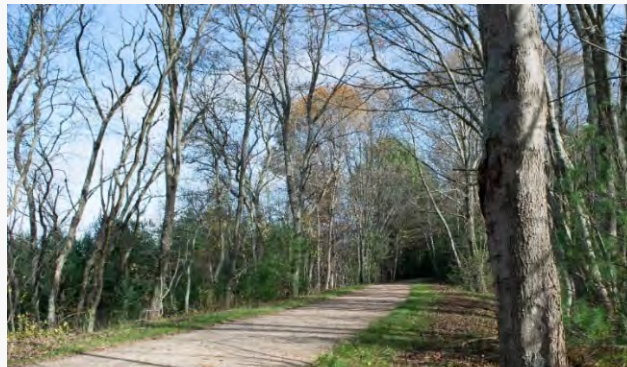
Trail Surface Alternatives

Trail Surface

- Stone Dust
- Pavement

Considerations

- Cost (15 to 20% premium for pavement)
- Topography/Drainage
- Maintenance
- Trail Use
- Pedestrians / ADA
 - Trail Grades / Cross-Slopes



Rating Criteria - Surfaces

Criteria:	Cost	Maintenance	User Experience	Overall
Stone Dust	●	●	●	●
Pavement	●	●	●	●

● - Negative ● - Neutral ● - Positive

Discussion - Trail Surface Alternatives

Project Schedule / Next Steps

- Engineering Study Phase / Public Meeting
 - Winter 2024
- Preliminary Design Phase
 - Spring/Summer 2024
- Permitting
 - Fall 2024
- Final Design / Bid Documents
 - Fall 2024/Winter 2025
- Right of Way Process
 - Spring 2024 to Winter 2025
- Construction Phase
 - Summer 2025

Open Forum?

Contact Information

- Don Lussier– City Engineer - City of Keene DPW
 - Email – dlussier@keeneh.gov
 - Phone # - 603-352-6550

- David McNamara – Stantec
 - Email – David.mcnamara@stantec.com
 - Phone # - 603-263-4653

- Project Website:
 - [Transportation Heritage Trail | City of Keene \(keeneh.gov\)](http://www.keeneh.gov/transportation-heritage-trail)