



Bourne Rail Trail – Phase 4/ Shining Sea Extension

MassDOT Proj # 611998
Town of Bourne & Town of Falmouth

Presented by
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VHB - Marissa DeCarlo, PE

May 11, 2022



Bike Path History

1. Cape Cod Commission Feasibility Study in 2017
2. Town hired VHB in 2018 to advance the design
3. Due to construction funding and environmental permitting challenges, the project has been broken into 4 phases
 - i. Phase 1: Design advanced to 75% level
 - ii. Phase 4: Design advanced to preliminary level (what will be talked about this evening)

Introduction

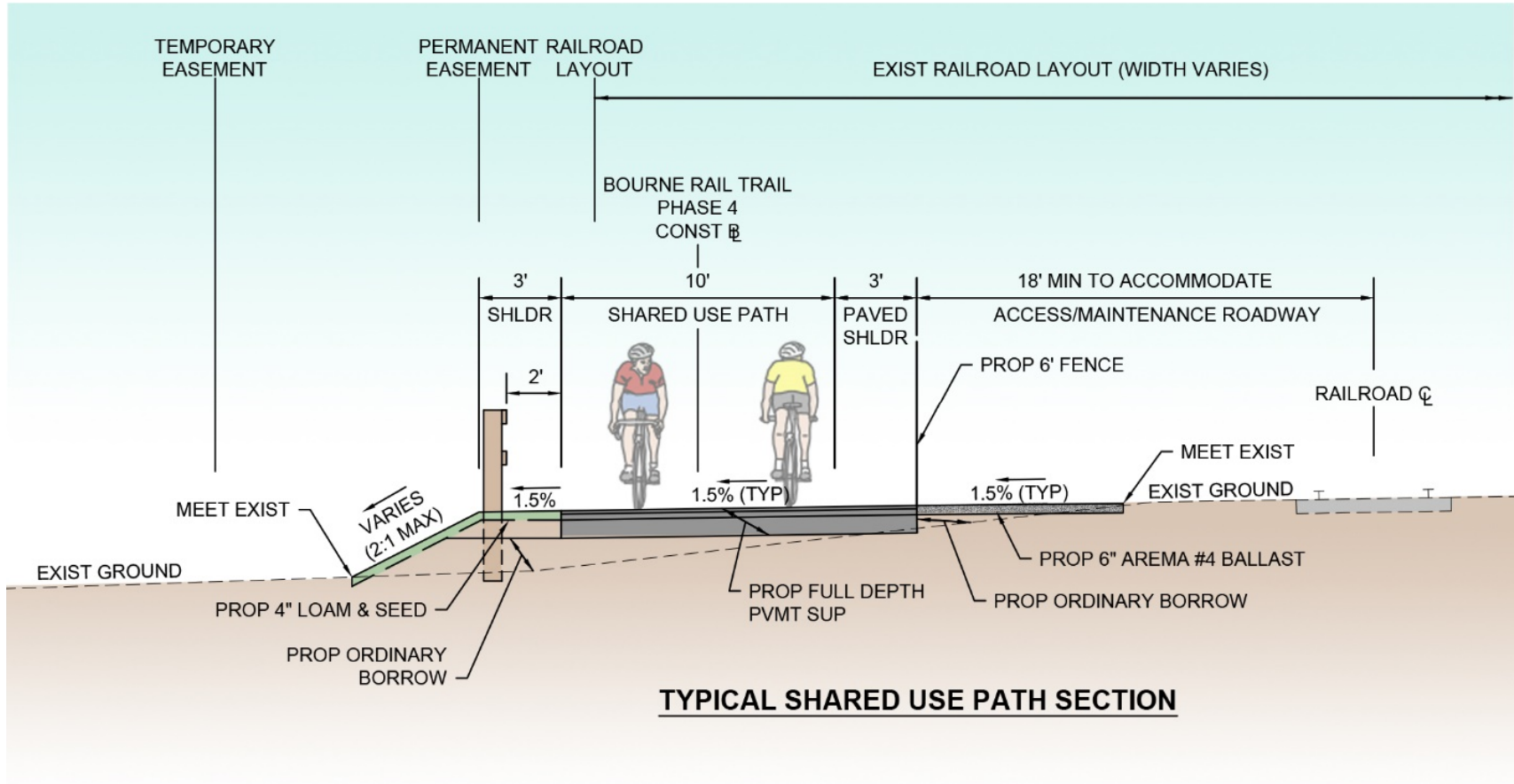


- Phase 1: Parking Lot at Canal Path to Monument Neck Road (2,640 ft)
- Phase 2: Monument Neck Road to Valley Bars Road (10,560 ft)
- Phase 3: Valley Bars Road to Scraggy Neck Road (13,728 ft)
- Phase 4: Scraggy Neck Road/Post Office Depot to County Road (6,864 ft)

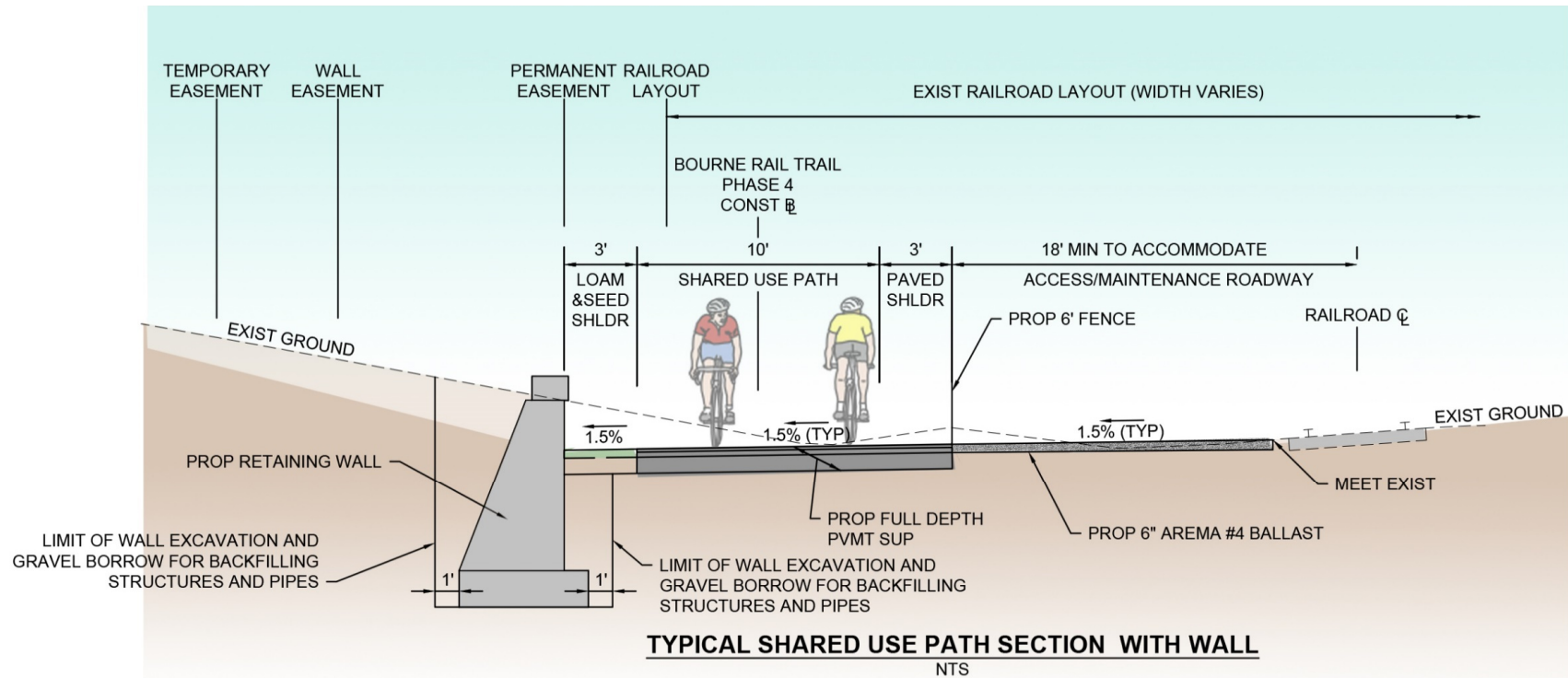
Design Features

- 10 ft wide paved surface
- Trail designed 18ft away from rail line
- Chain link fence between the rail line and trail as a safety feature to discourage trespassing on the active rail line
- Connection to the existing Shining Sea Path in Falmouth
- 1 Grade Crossing at County Road – Proposed signing and striping
- 2 Bridges – Old Main Road (Falmouth) & Scraggy Neck Road (Bourne)
- Walls to minimize impacts to properties along proposed trail
- Trail will be within the Railroad Right of Way with minor grading at the bottom of the embankments to meet existing conditions

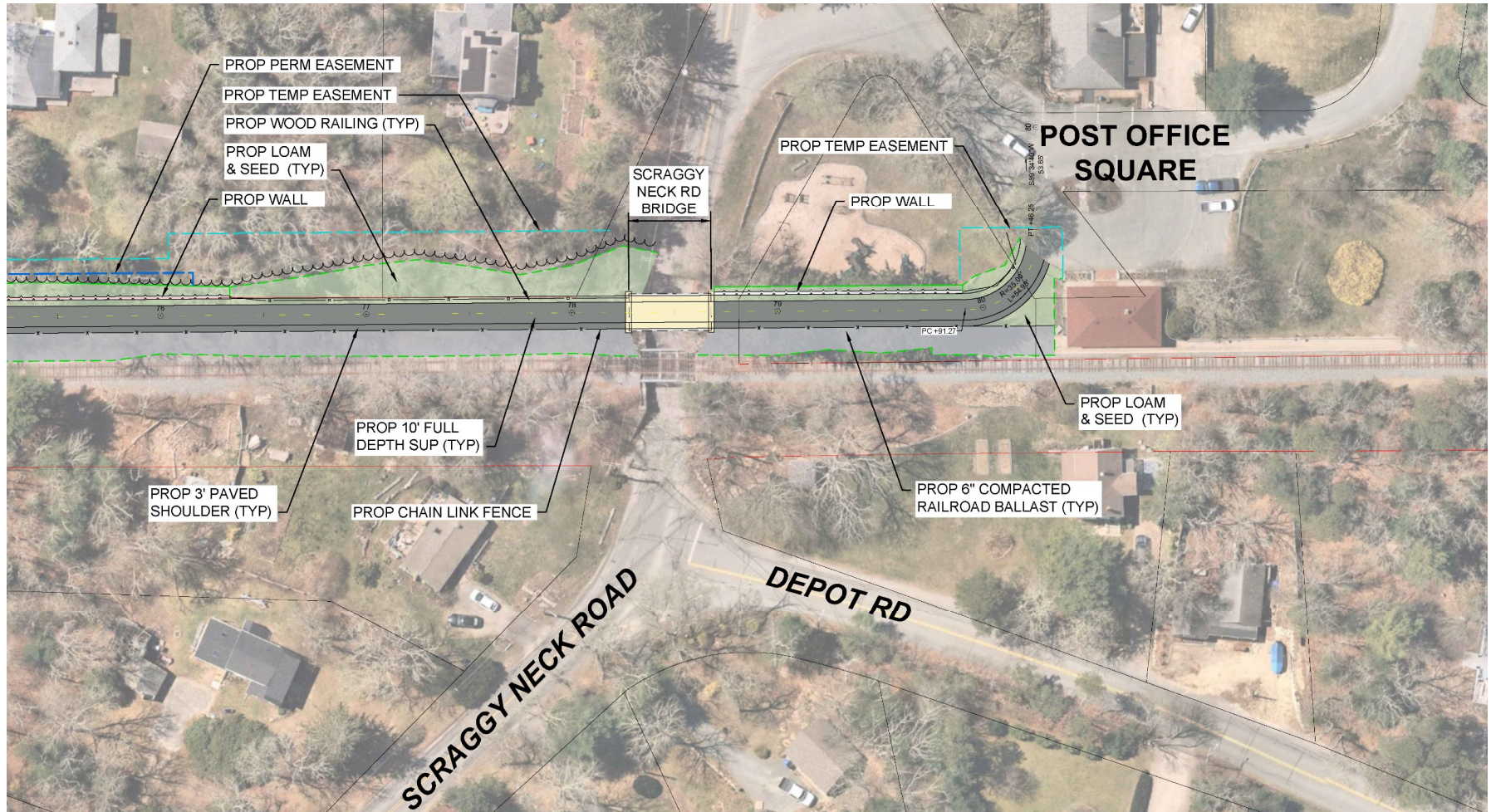
Typical Sections



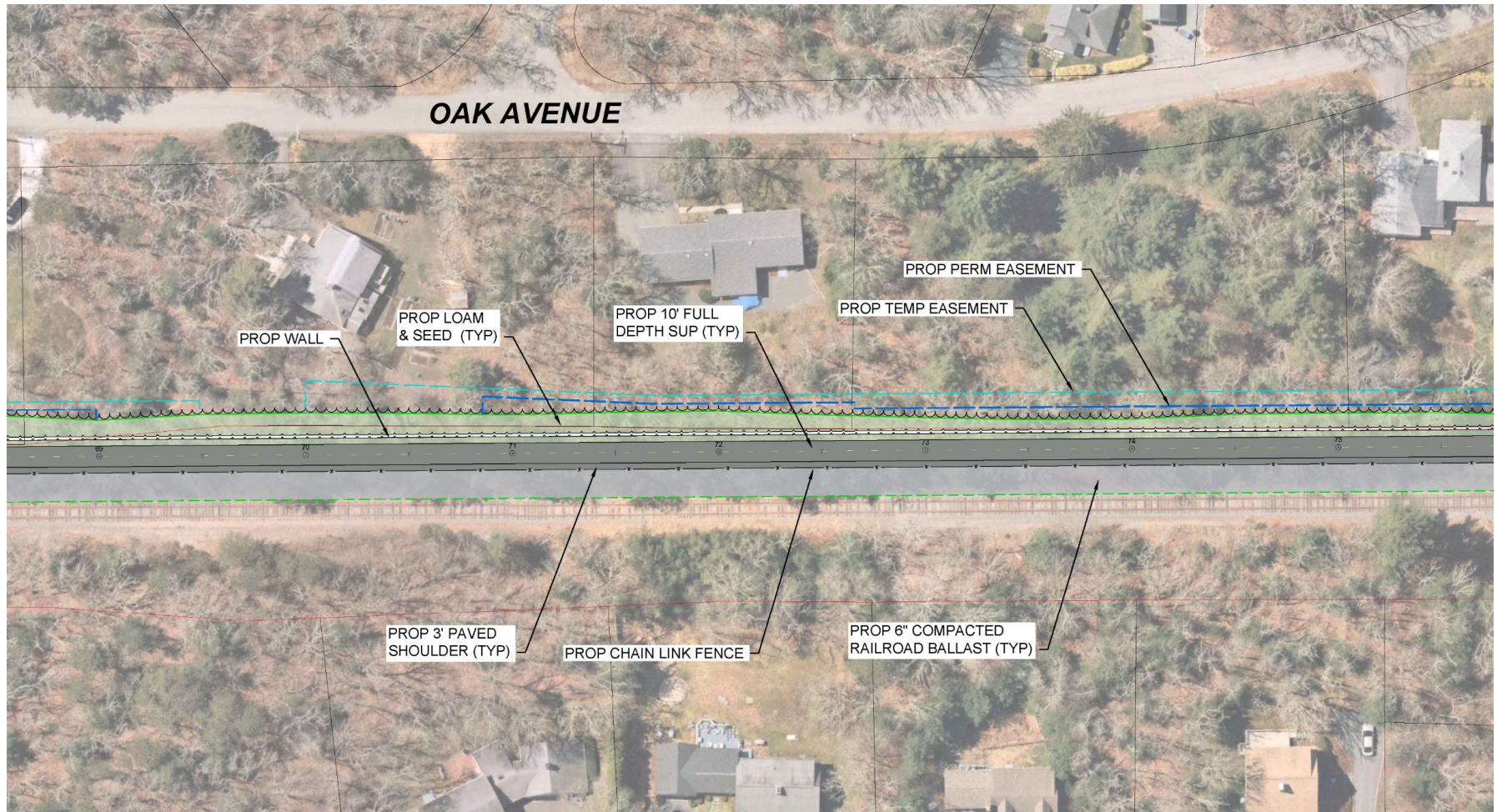
Typical Sections



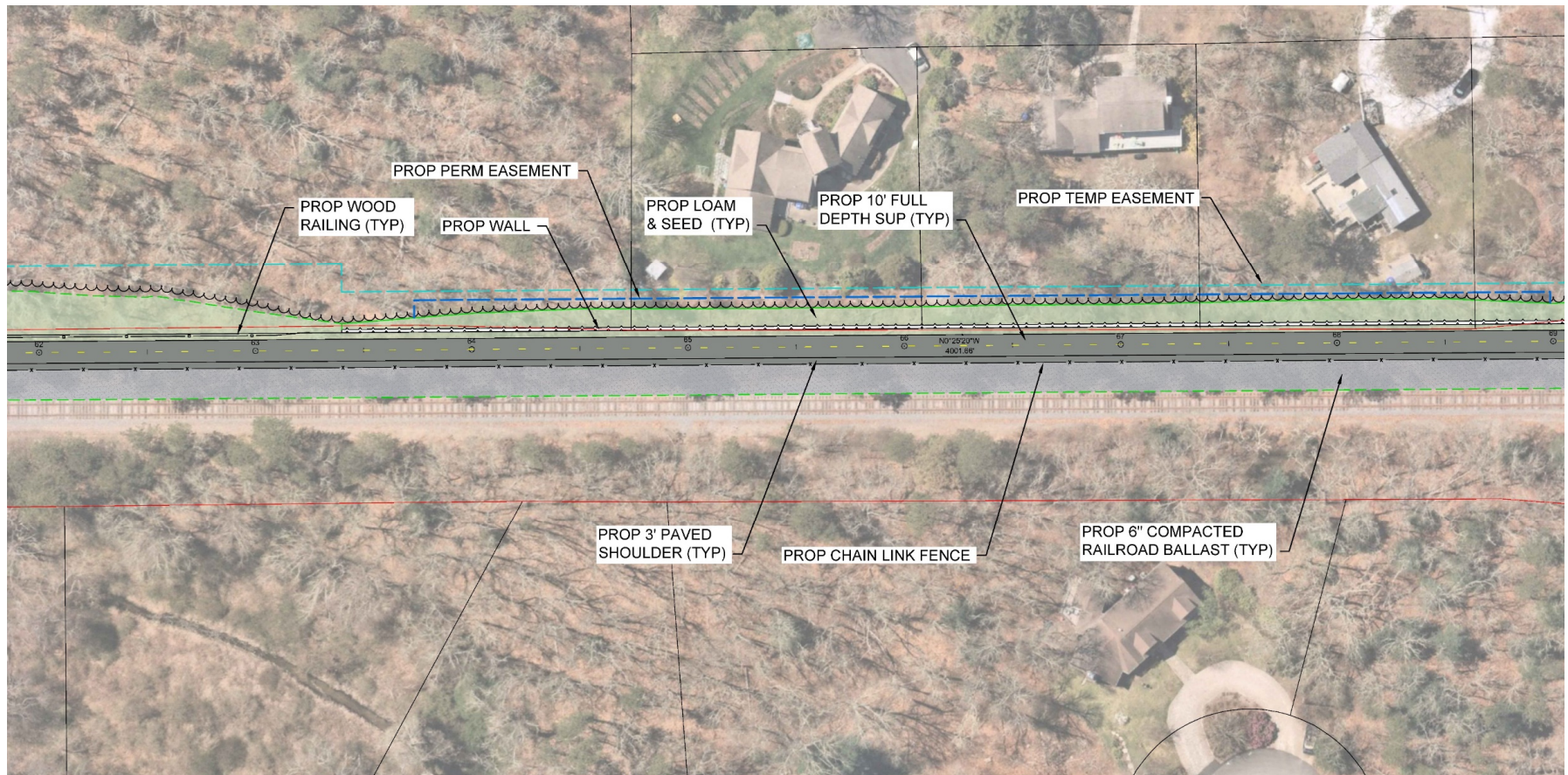
Construction Plan



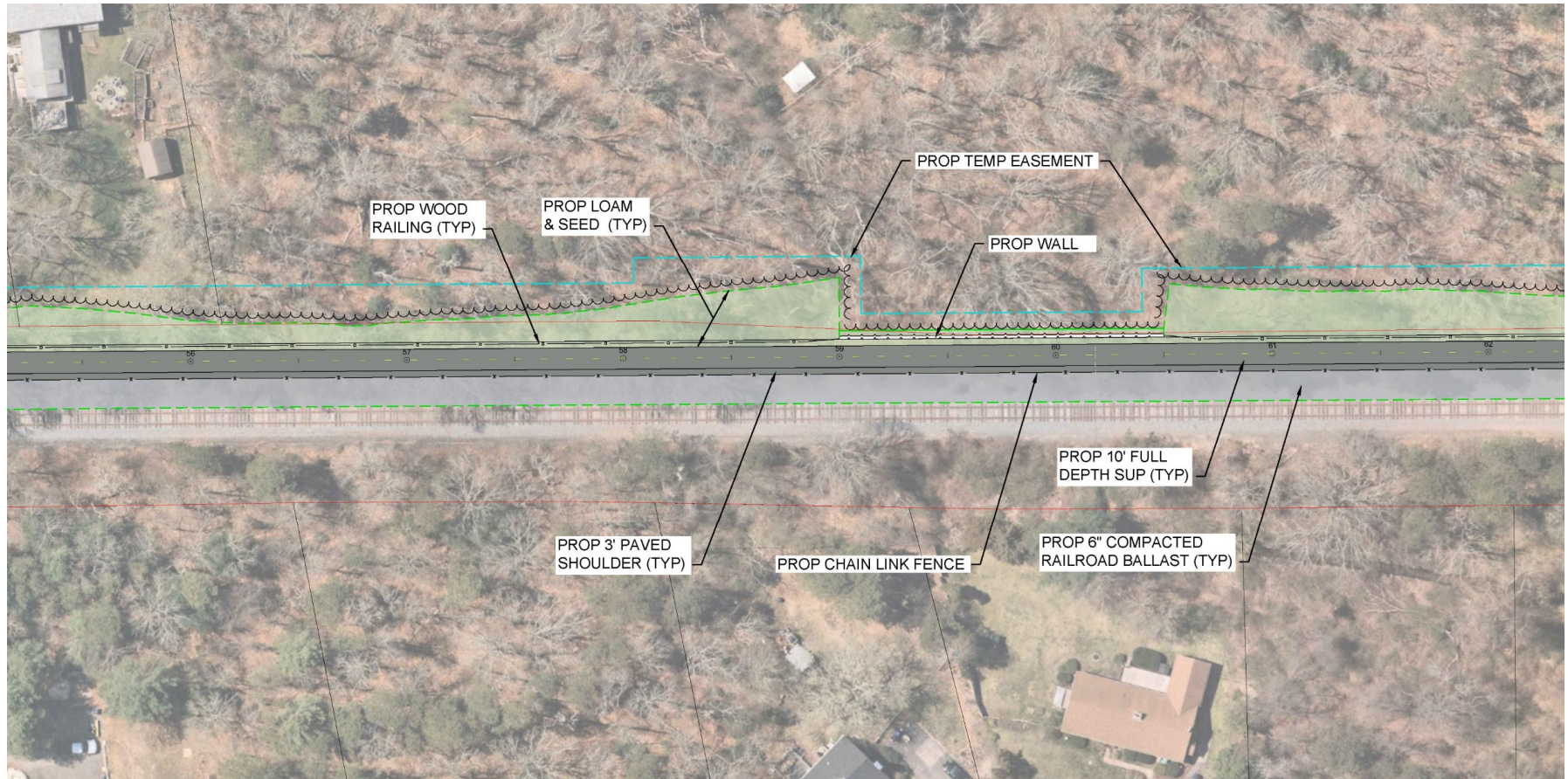
Construction Plan (continued)



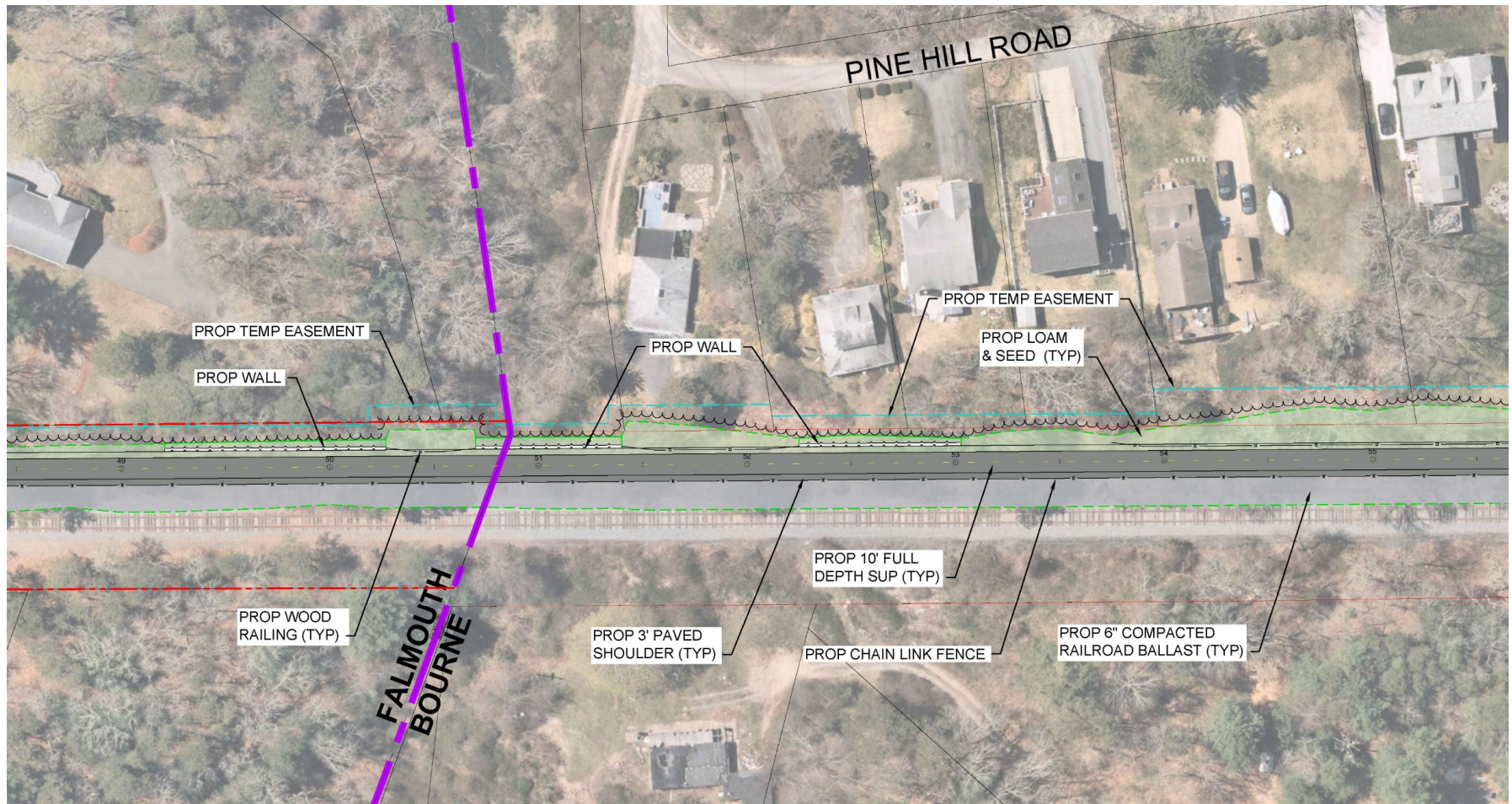
Construction Plan (continued)



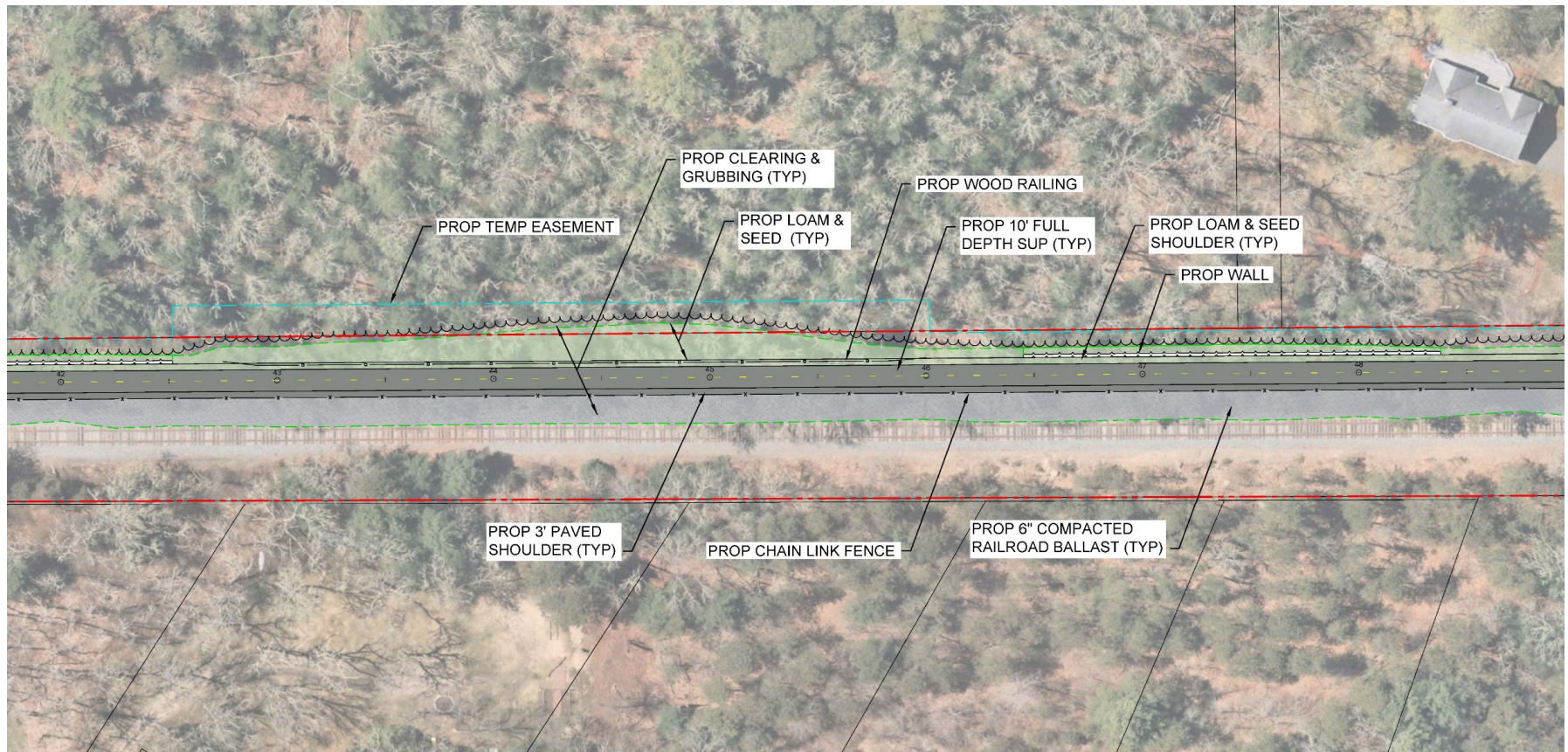
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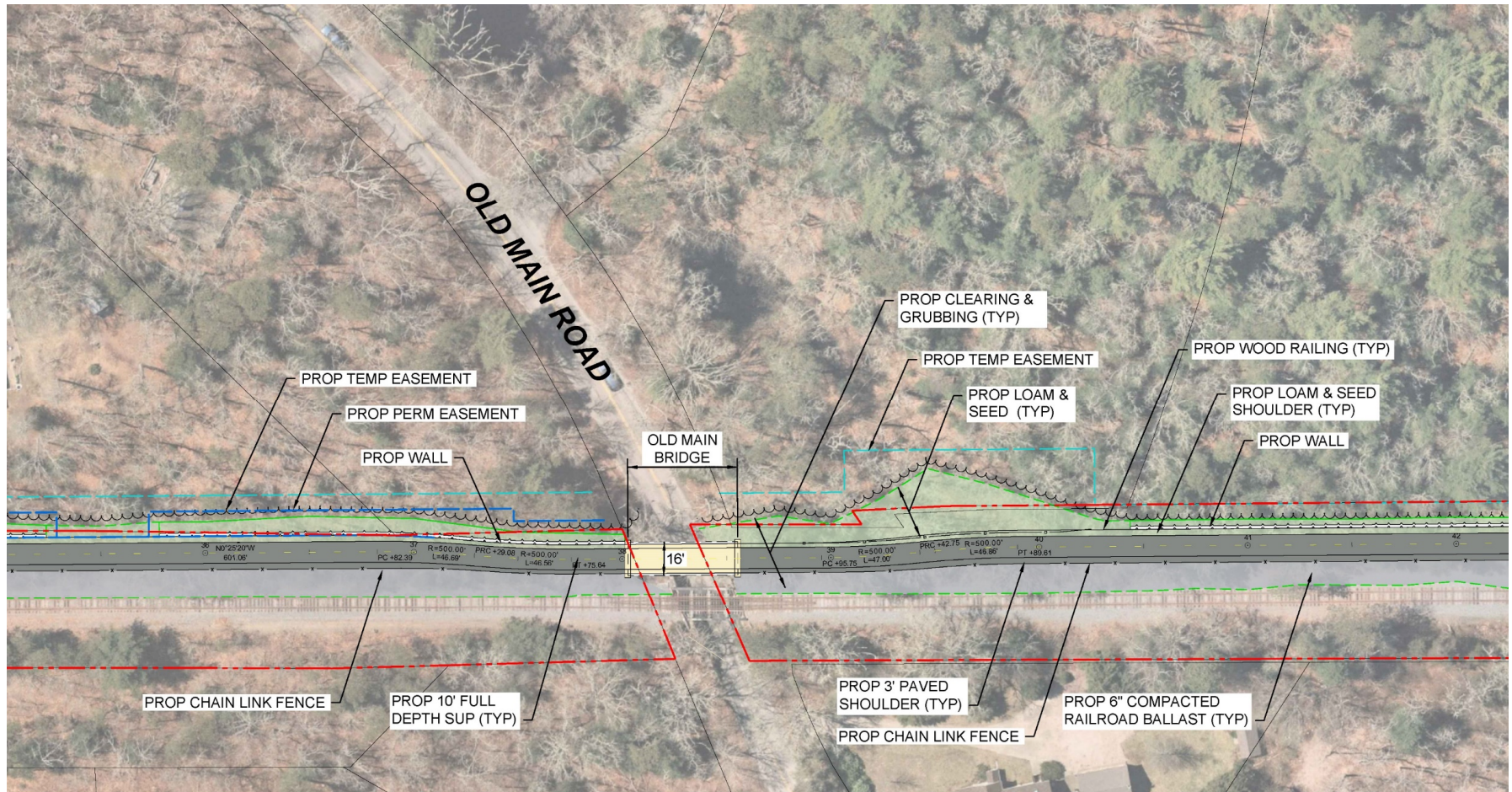
Construction Plan (continued)



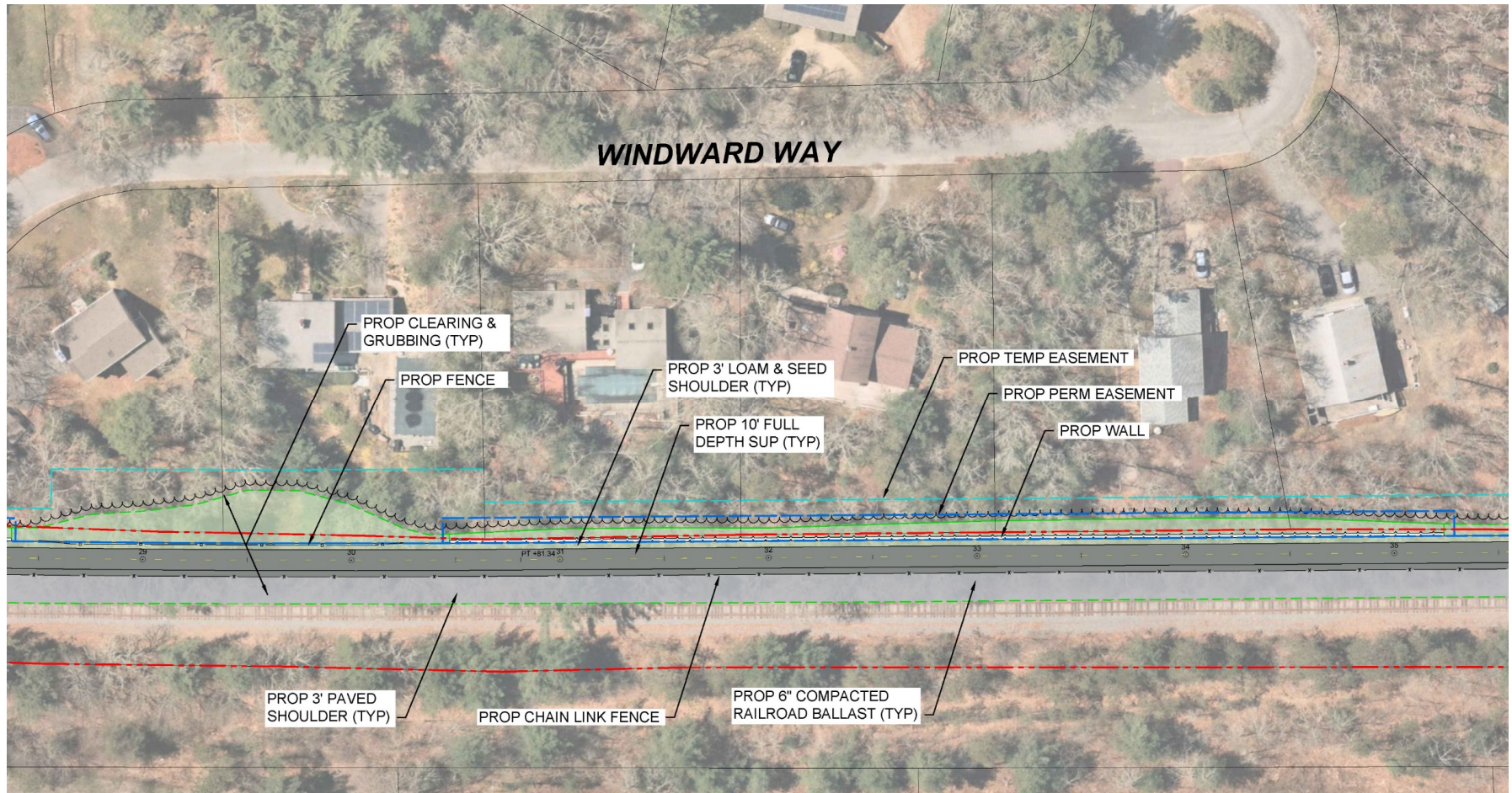
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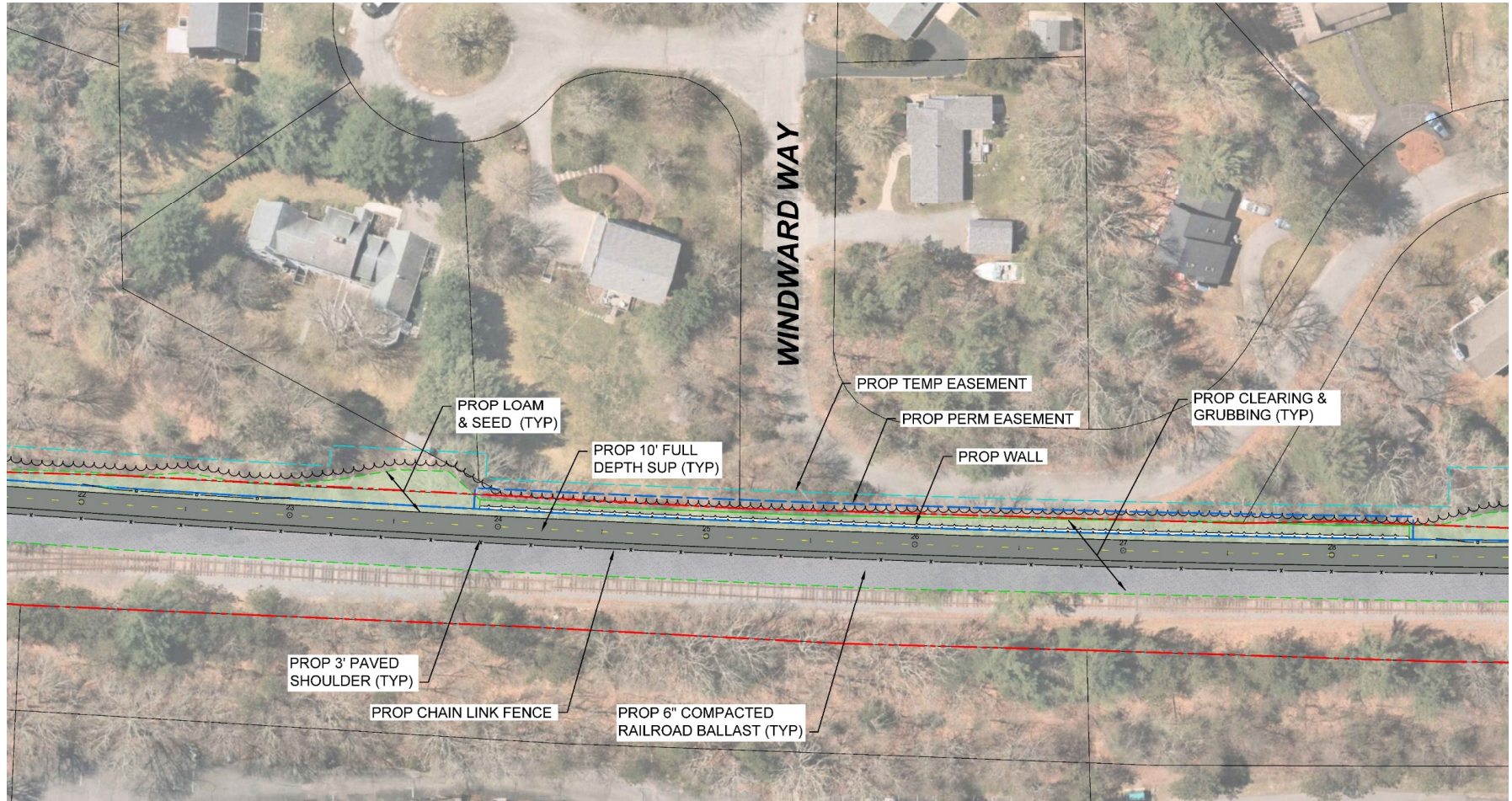
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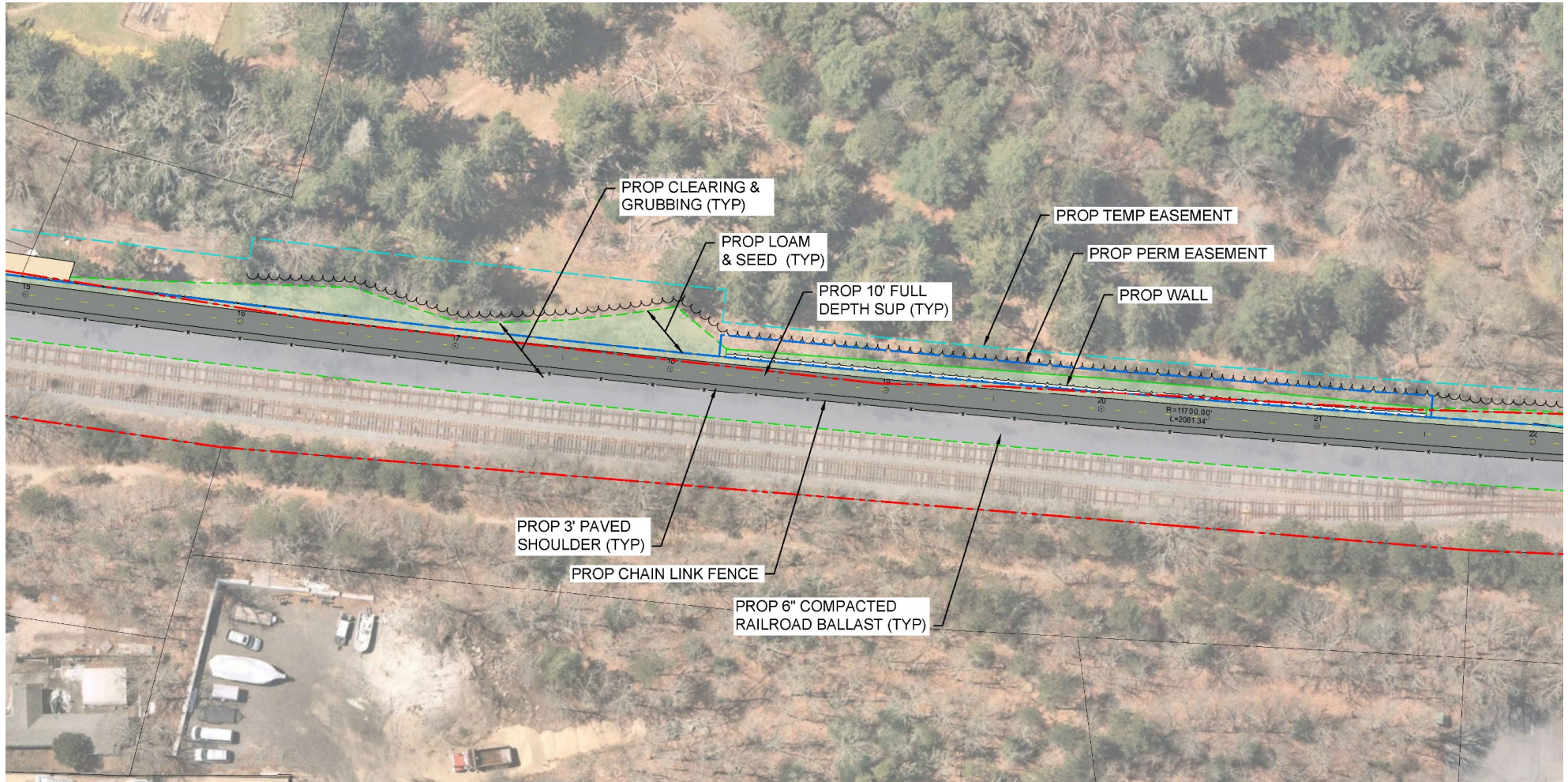
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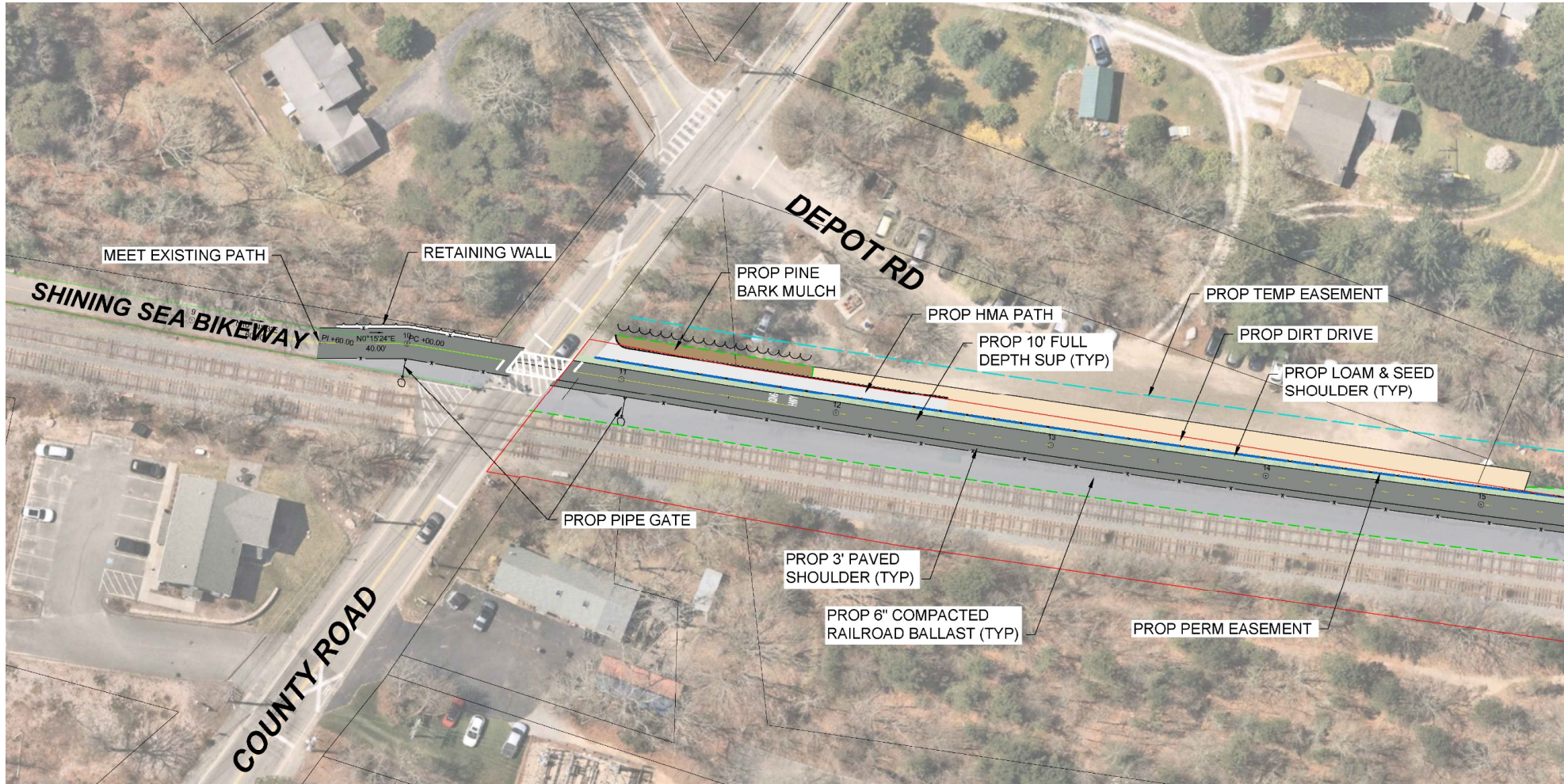
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Construction Plan (continued)



Construction Plan (continued)



Design and Construction Project Status

Design

- Preliminary Design currently under review with MassDOT

Construction

- Project approved for Federal Funding by MassDOT
- Construction schedule to be determined

Right of Way

- The towns will be contacting property owners as the project design gets further developed to talk about right of way

Next Steps

- Get feedback from today's meeting
- Respond to MassDOT Highway, MassDOT Rail, and Towns comments on concept designs submitted
- Submit 25% Design to MassDOT Highway, MassDOT Rail, and Towns
- Design Public Hearing

Thank You!

