

Commerce Road Improvements and Culvert Replacement Project

Neighborhood Meeting Harborview Conference Room Barnstable County Complex August 6, 2024

Town of Barnstable Department of Public Works



Meeting Agenda

- Project History
- Review Project Scope
- Review Project Next Steps
- Project Feedback / Questions
- Individual discussions on project impacts



Photograph #3 - View of the existing culvert to the east of Commerce Road.



Photograph #4 - View of the existing culvert to the west of Commerce Road.



Project History

- Significant coastal storm events in 2017/2018 led to flooding of Commerce Road and the adjacent residential neighborhoods.
- During the storm events, Commerce Road was not passable due to storm surge overtopping the roadway at the culvert located between #312 and #383 Commerce Road, limiting access for emergency personnel.
- Town retained Woods Hole Group to evaluate in 2017
 - Commerce Road Culvert
 - Other potential solutions evaluated





2019 Culvert Analysis



Figure 23: 100-Year storm flooding extent for the alternative, and existing culverts

Question:

 Could widening the culvert under
 Commerce Road alleviate flooding on the western portion of Commerce Road.

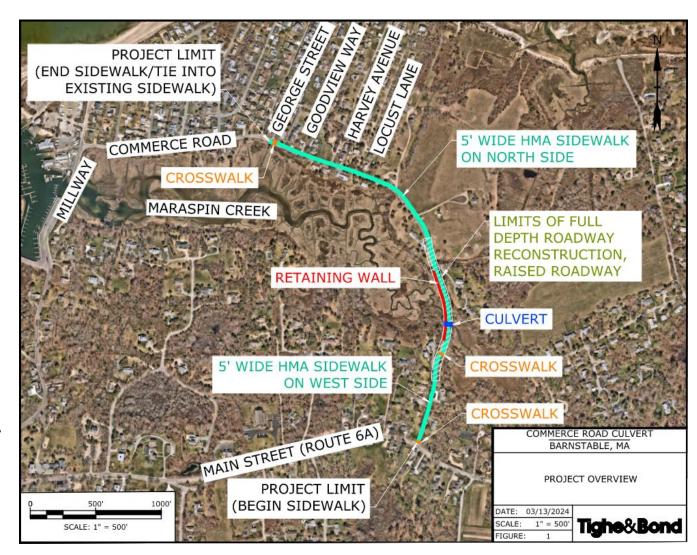
Answer:

- No...
- But it could be feasible to raise the road to improve emergency access



Project Scope

- Raise Commerce Road in location of culvert to above flood elevation for current and future storm events
 - Raise ±7 feet
- Replace culvert
 - 8' wide x 8' high box culvert proposed
- Install new sidewalk from George Street to Route 6A
- Potentially partner with Barnstable Water to replace water mains



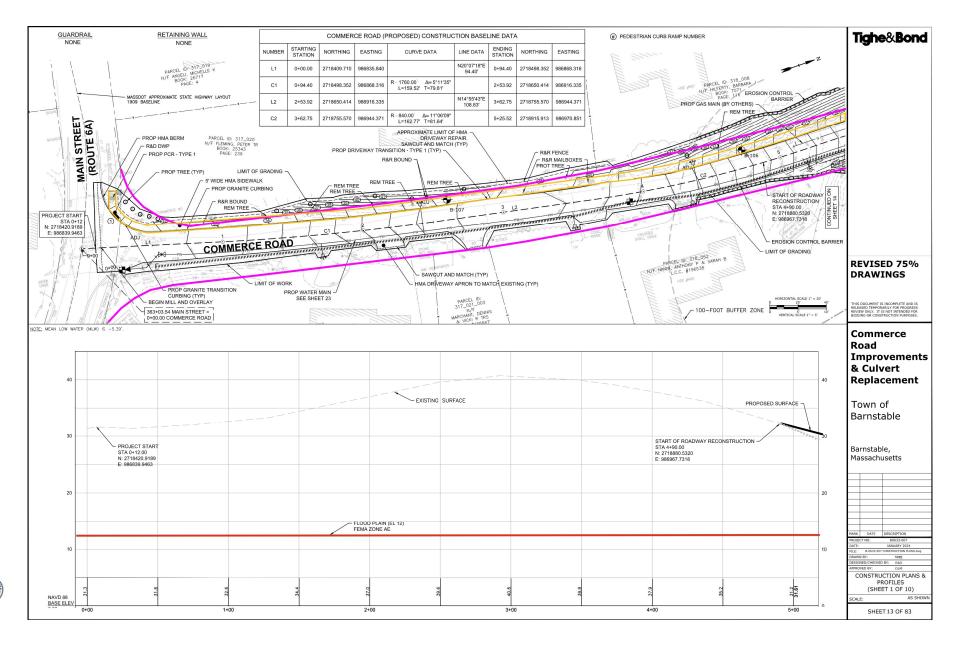


Project Status

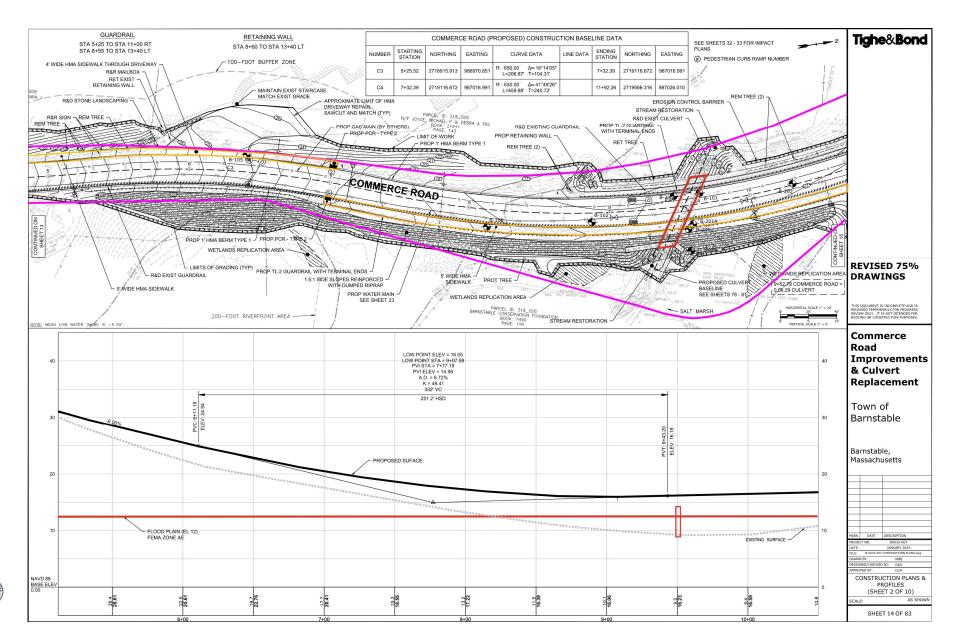
Work Completed to date:

- Retained Tighe & Bond to design and permit the project
- Completed Hydrologic and Hydraulic Assessment
- Completed Geotechnical Investigation and Analysis
- Completed 75% Design Drawings
- Completed 75% Right of Way Drawings
 - Identification of private property impacts and easements required
 - 21 properties identified
 - Some are critical to achieve project objectives; some may be able to be designed around
 - Types of private property impacts:
 - Permanent (Sidewalks, stabilized slopes, utilities, etc.
 - Temporary (Grading, tree removals, etc)

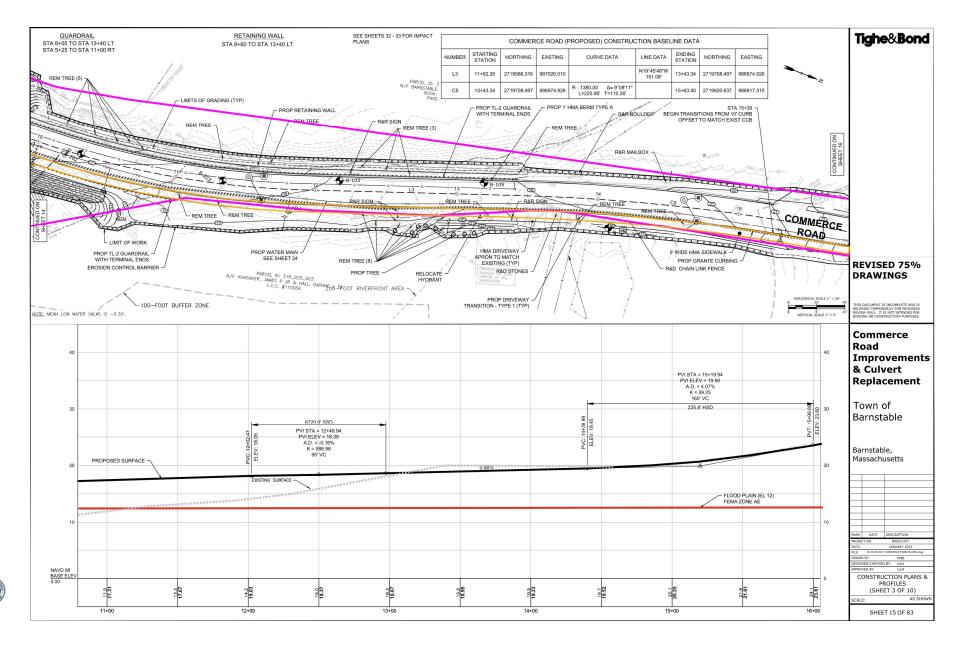




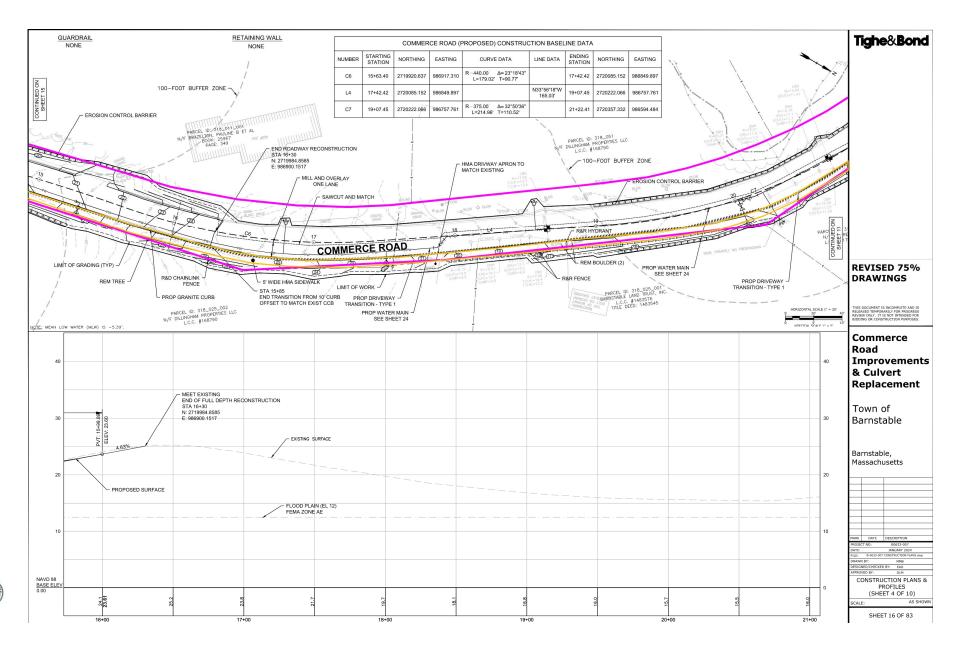




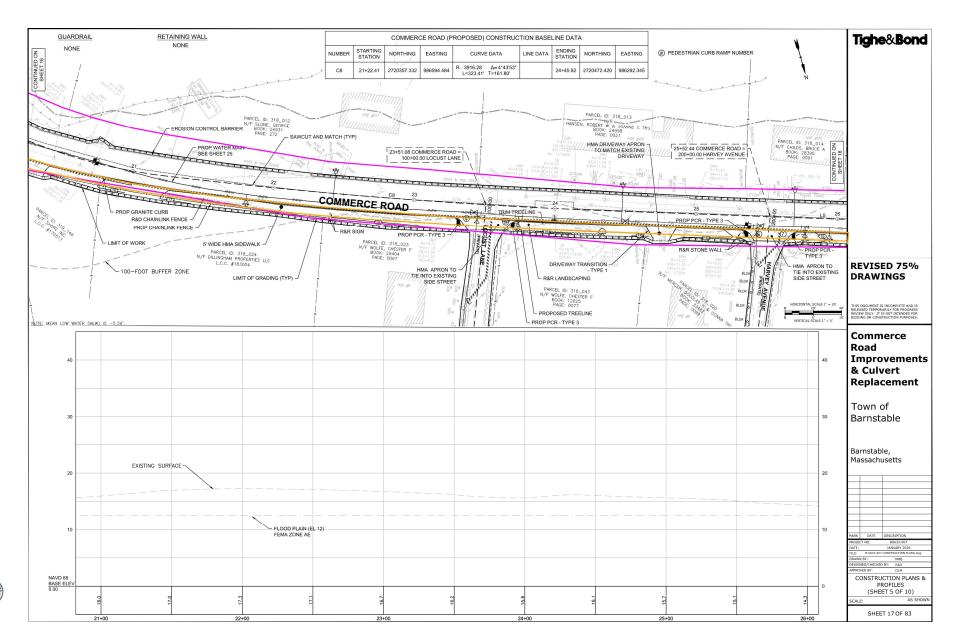




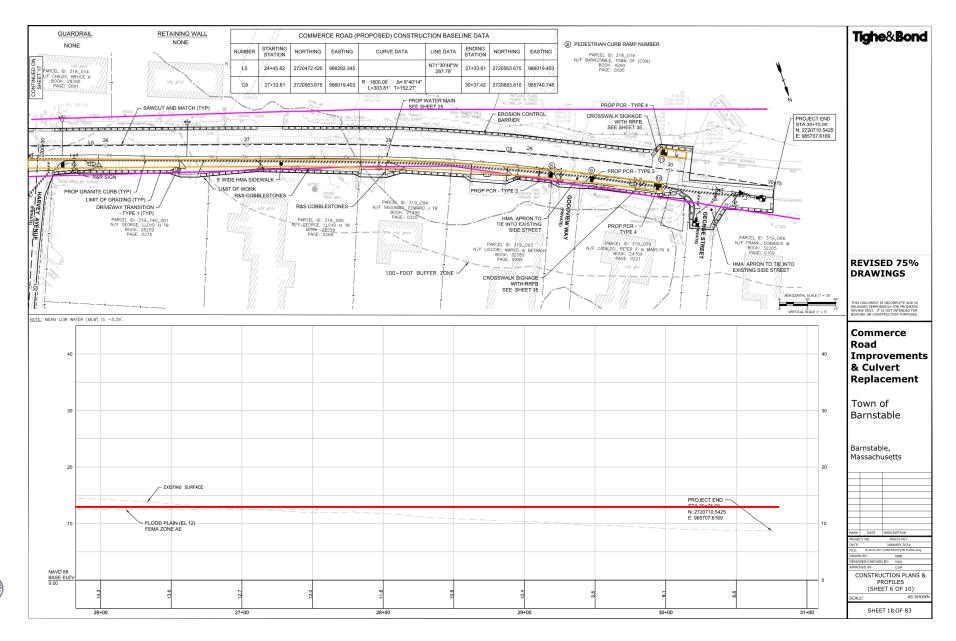














Next Steps

- Public outreach
- Securing necessary easements
- Permitting (Rigorous permitting path, 12-18 months)
- Seek construction funding (grant applications, etc)
- Construction



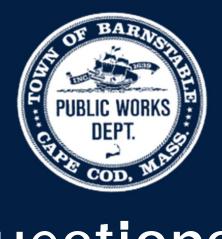
Project Contacts

Project Contact
 Griffin Beaudoin, P.E. at Griffin.Beaudoin@town.barnstable.ma.us
 Town Engineer, Barnstable Department of Public Works

Receiving public comment
 Email: Kelly Collopy at Kelly.Collopy@town.barnstable.ma.us
 Communications Manager, Barnstable Department of Public Works

 Review project materials and presentation on Barnstable Water Resources website: https://barnstablewaterresources.com/





Questions?