

PICKERING DAM ROAD BRIDGE REPLACEMENT PROJECT OVER BRANCH OF PICKERING CREEK

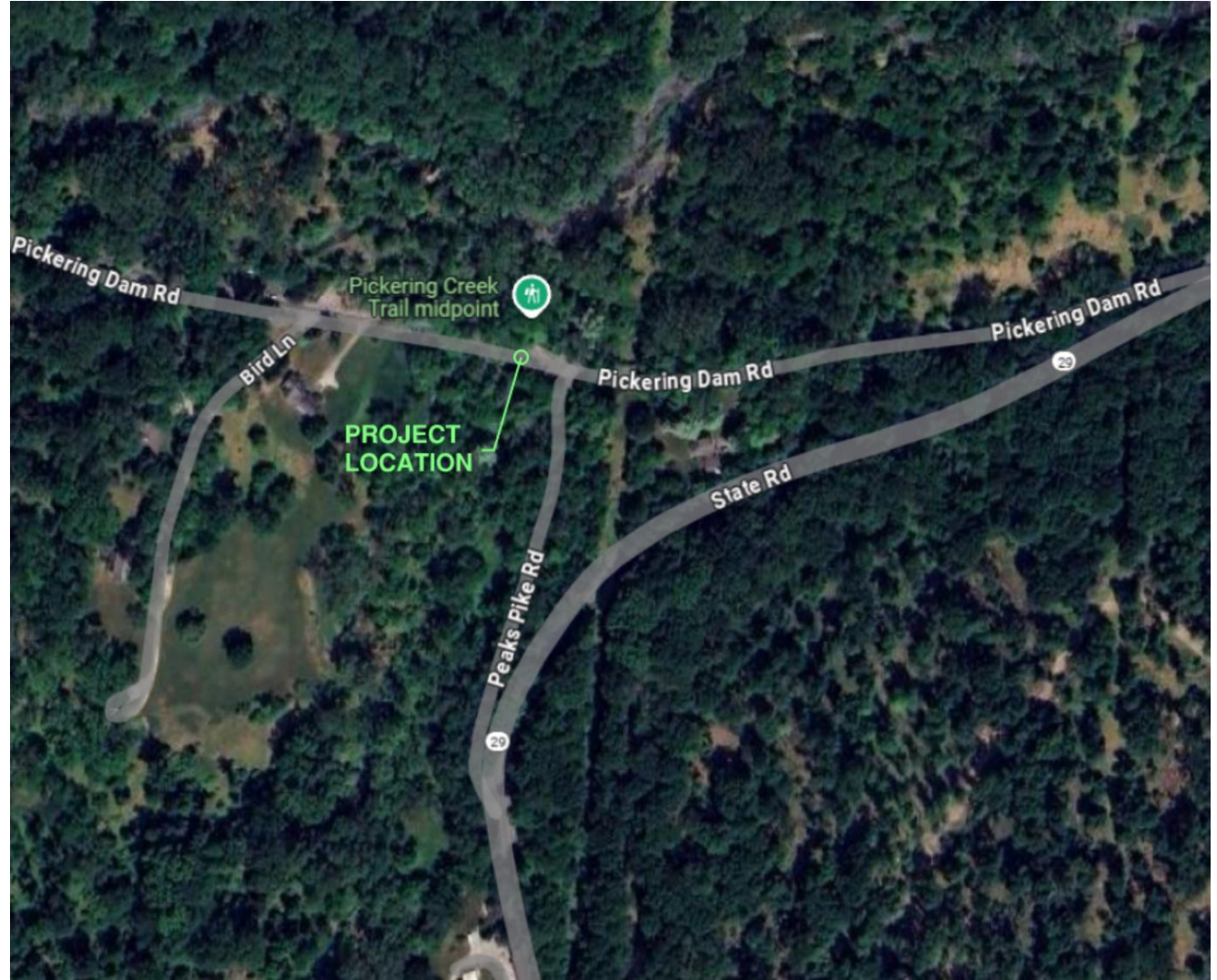
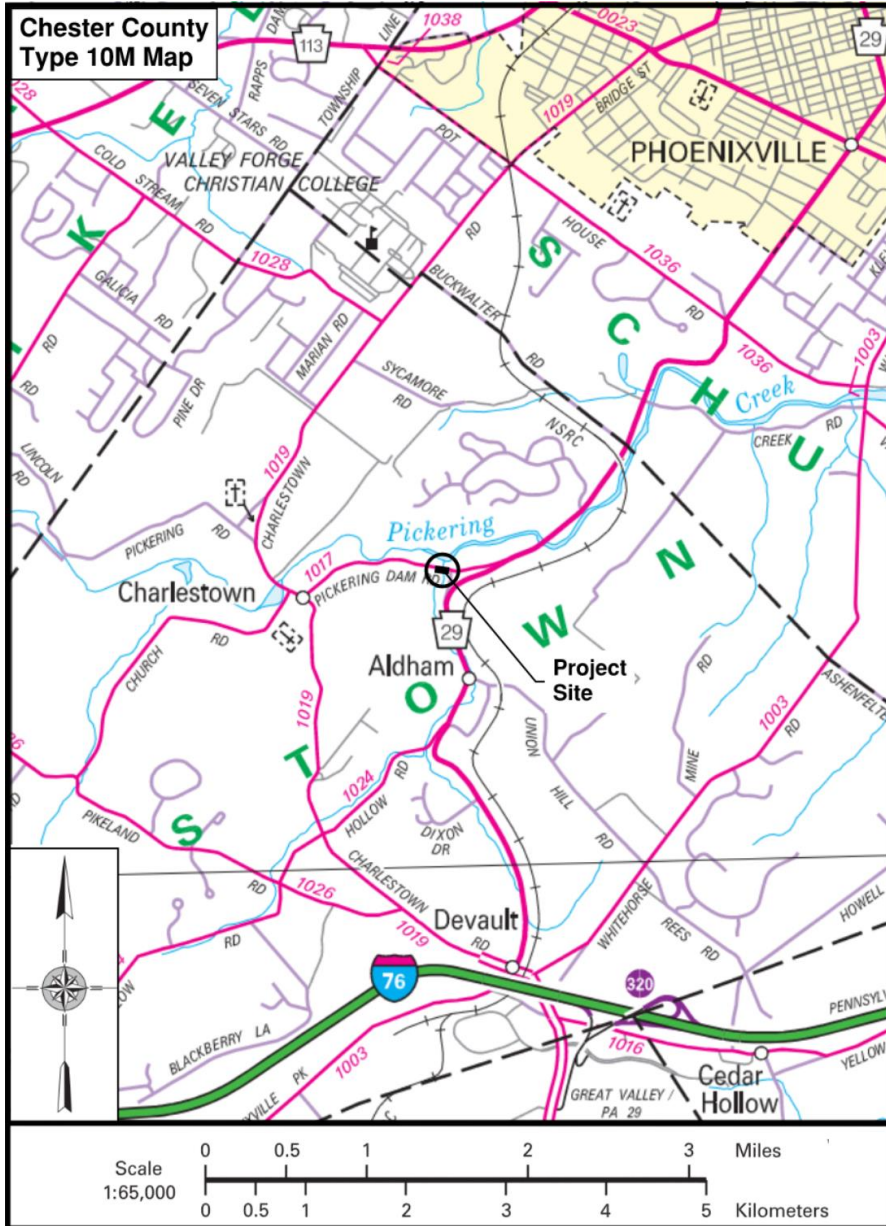


MEETING AGENDA

- Project Location
- Project Description
- Project Purpose and Need
- Environmental Resources
- Project Improvements
- Traffic Control
- Next Steps
- Questions



PROJECT LOCATION



● Project Location



PROJECT DESCRIPTION



Existing Structure:

- Built in 1918
- Concrete Encased Steel I-Beam
- Span - 19 Feet
- Width – 21.1 Feet
- Two 8.5-foot lanes and 2-foot grass shoulders
- Barrier imprints

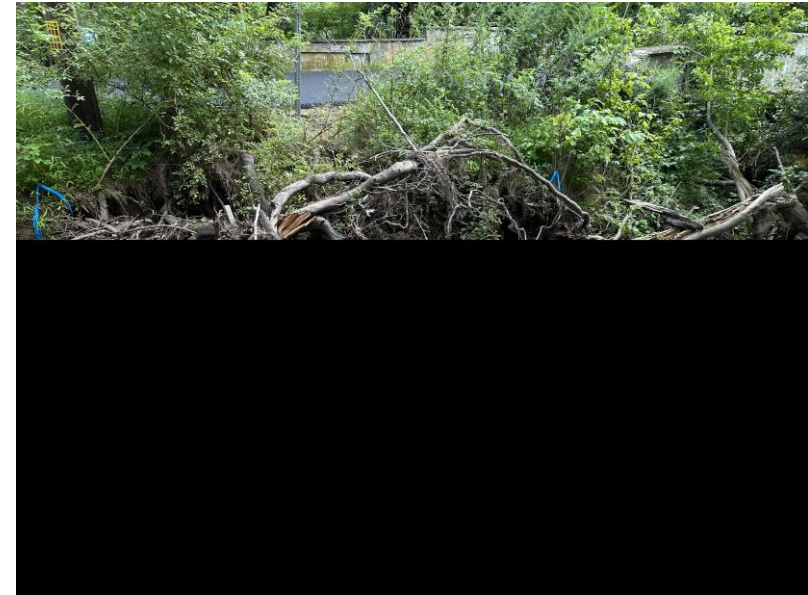
PROJECT PURPOSE



To ensure the continued safe and efficient movement of the traveling public on Pickering Dam Road and its crossing over the branch of Pickering Creek, to meet the long-term transportation needs of the community.

PROJECT NEED

- Existing bridge superstructure is in poor condition due to concrete deterioration.
- The bridge is currently posted for weight limit
- Roadway embankment erosion in the SW quadrant



ENVIRONMENTAL RESOURCES

- Archeological Resources
- Historic Resources
- Wetlands
- Endangered Species
- Stream (Branch of Pickering Creek)
- Trails (Section 4f)



ENVIRONMENTAL RESOURCES

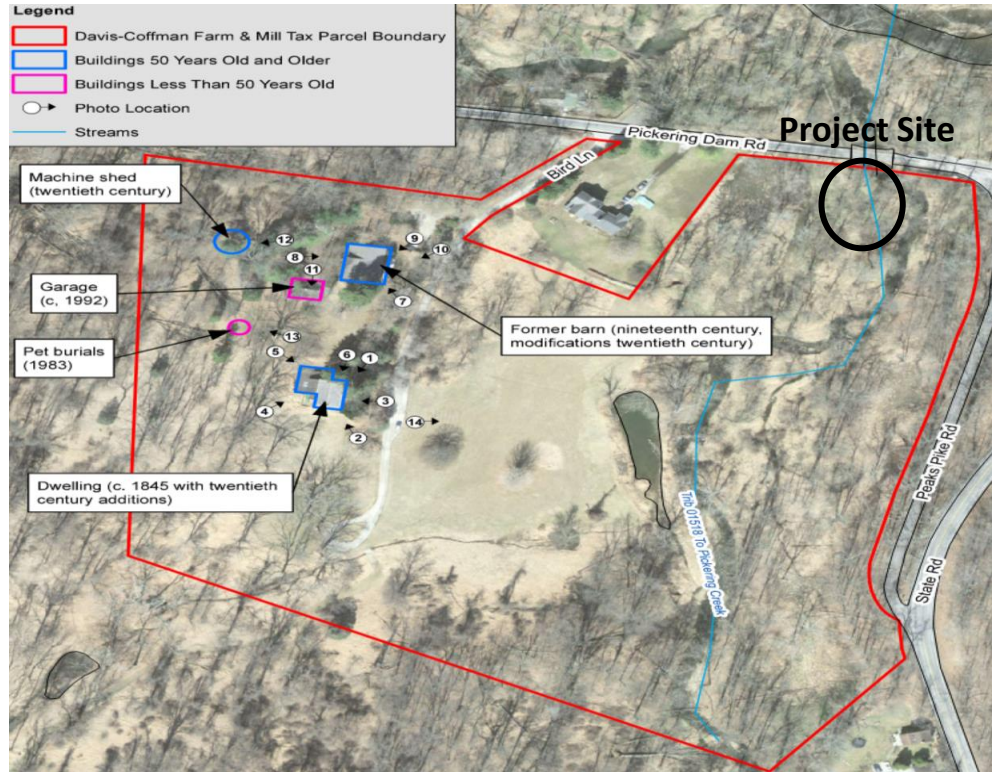
ARCHEOLOGICAL RESOURCES

- A Phase I Archeological Study was completed.
- No archaeological sites were identified
- No additional work is recommended within the Area of Potential Effects (APE)



ENVIRONMENTAL RESOURCES

ABOVE GROUND HISTORIC RESOURCES



DAVIS-COFFMAN FARM & MILL SITE
6 BIRD LN, MALVERN, PA 49355
Eligibility Undetermined



ENVIRONMENTAL RESOURCES

ABOVE GROUND HISTORIC RESOURCES



4118 PICKERING DAM ROAD
PHOENIXVILLE, PA 19460
Eligibility: NOT ELIGIBLE



ENVIRONMENTAL RESOURCES

ABOVE GROUND HISTORIC RESOURCES



Bridge is not eligible for the National Register.



ENVIRONMENTAL RESOURCES

- The bridge is within Special Flood Hazard Area, Zone AE
- H&H Study – existing and proposed conditions
- No increases to the 100-YR water surface elevation
- FEMA map revisions not required.

National Flood Hazard Layer FIRMette



SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Legend	
SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
OTHER FEATURES	20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
	17.6 Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
MAP PANELS	Digital Data Available
	No Digital Data Available
	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/28/2023 at 11:44 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



ENVIRONMENTAL RESOURCES

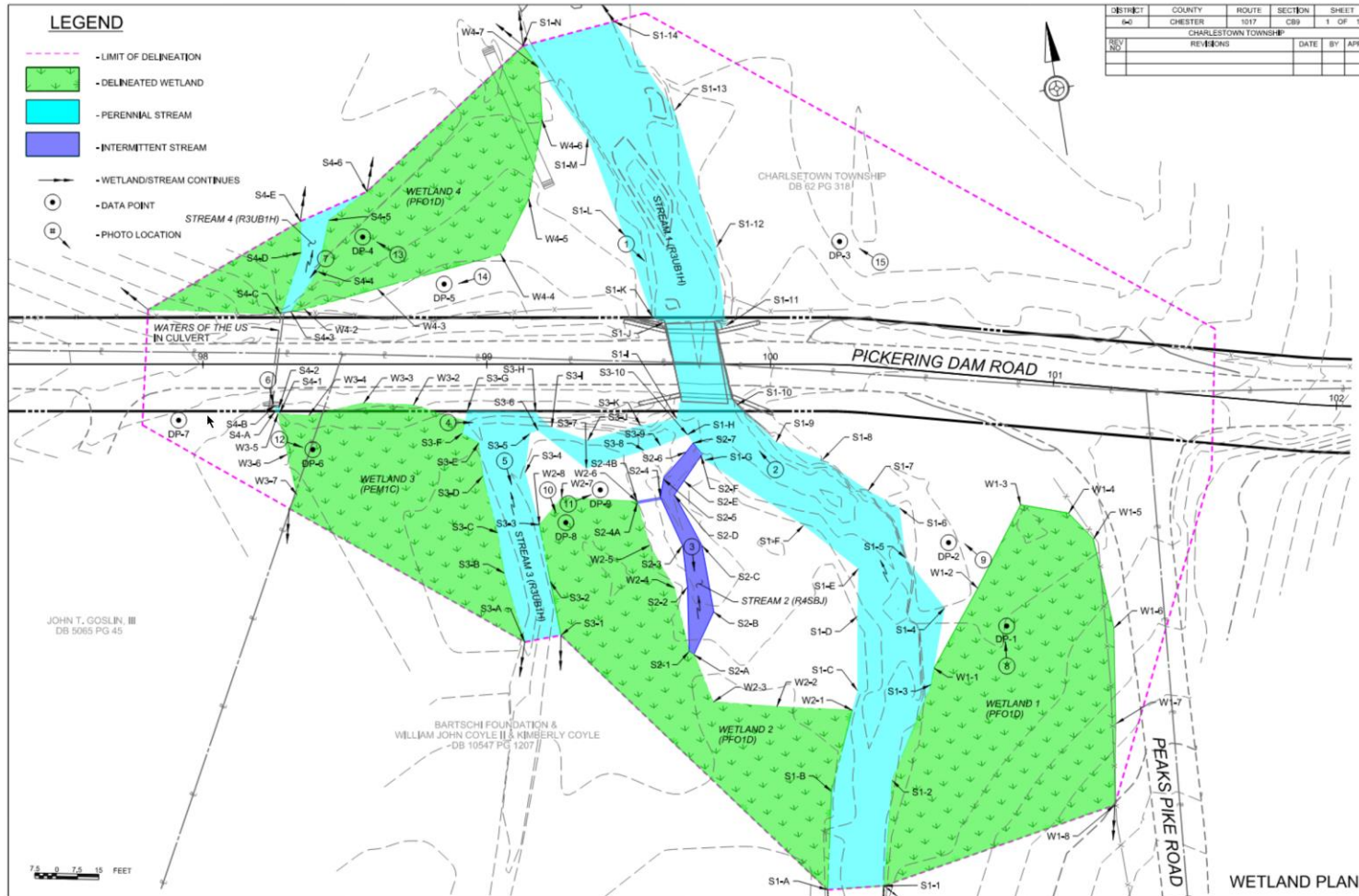
Pennsylvania Water Quality Regulations- 25 PA Code, Chapter 93

- Unnamed Tributary to Pickering Creek is designated as a High Quality – Trout Stocked Fishery
- Pickering Creek is designated as a High Quality – Trout Stocked Fishery – Migratory Fishes



ENVIRONMENTAL RESOURCES

WETLANDS AND ENDANGERED SPECIES



Wetland 2 – temporary impacts are anticipated

Wetland 3 – permanent and temporary impacts expected

Stream 1 – minor impacts

Stream 3 – permanent and temporary impacts expected

Mitigation – Stream and Wetland Mitigation Bank credit purchase

Bog Turtles – not found



ENVIRONMENTAL RESOURCES

TRAILS

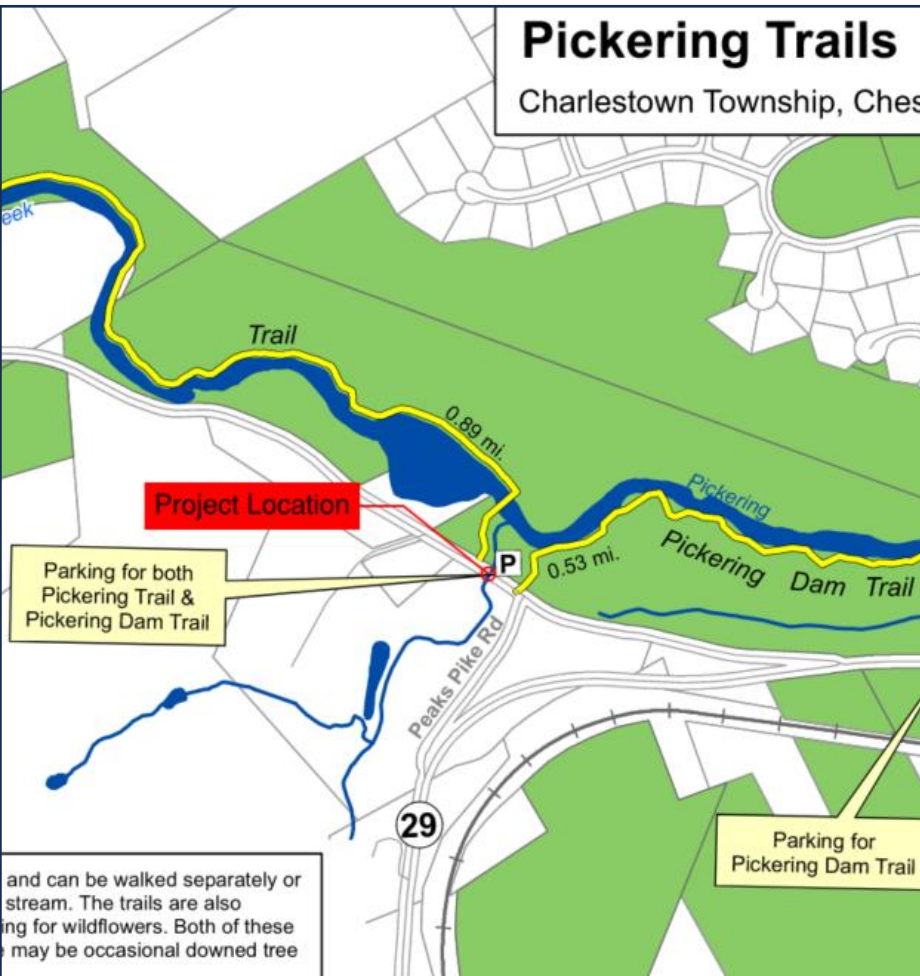
Open Space – The area north of the project is classified as “open space”

Pickering Trail – impacted
Relocation and closure during construction

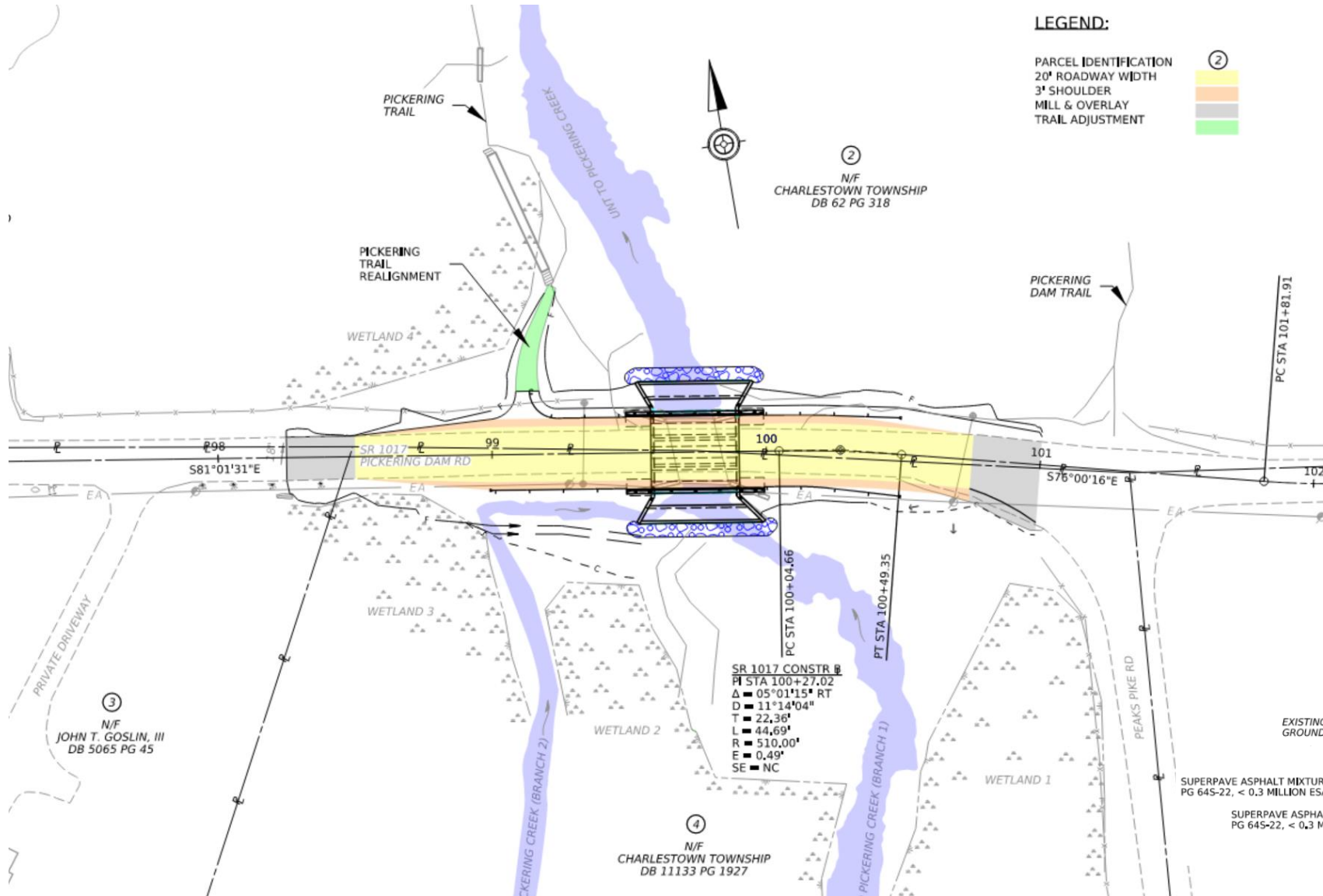
Pickering Dam Trail – minimal impacts

Temporary access restrictions may occur during construction

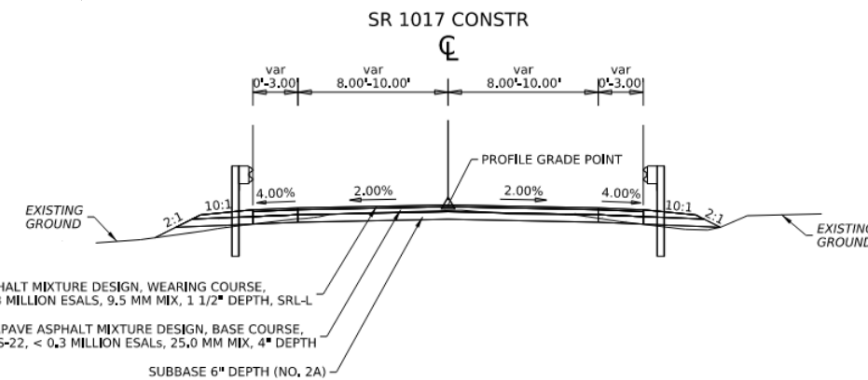
Parking Area – To remain
Temporary access restrictions may occur during construction



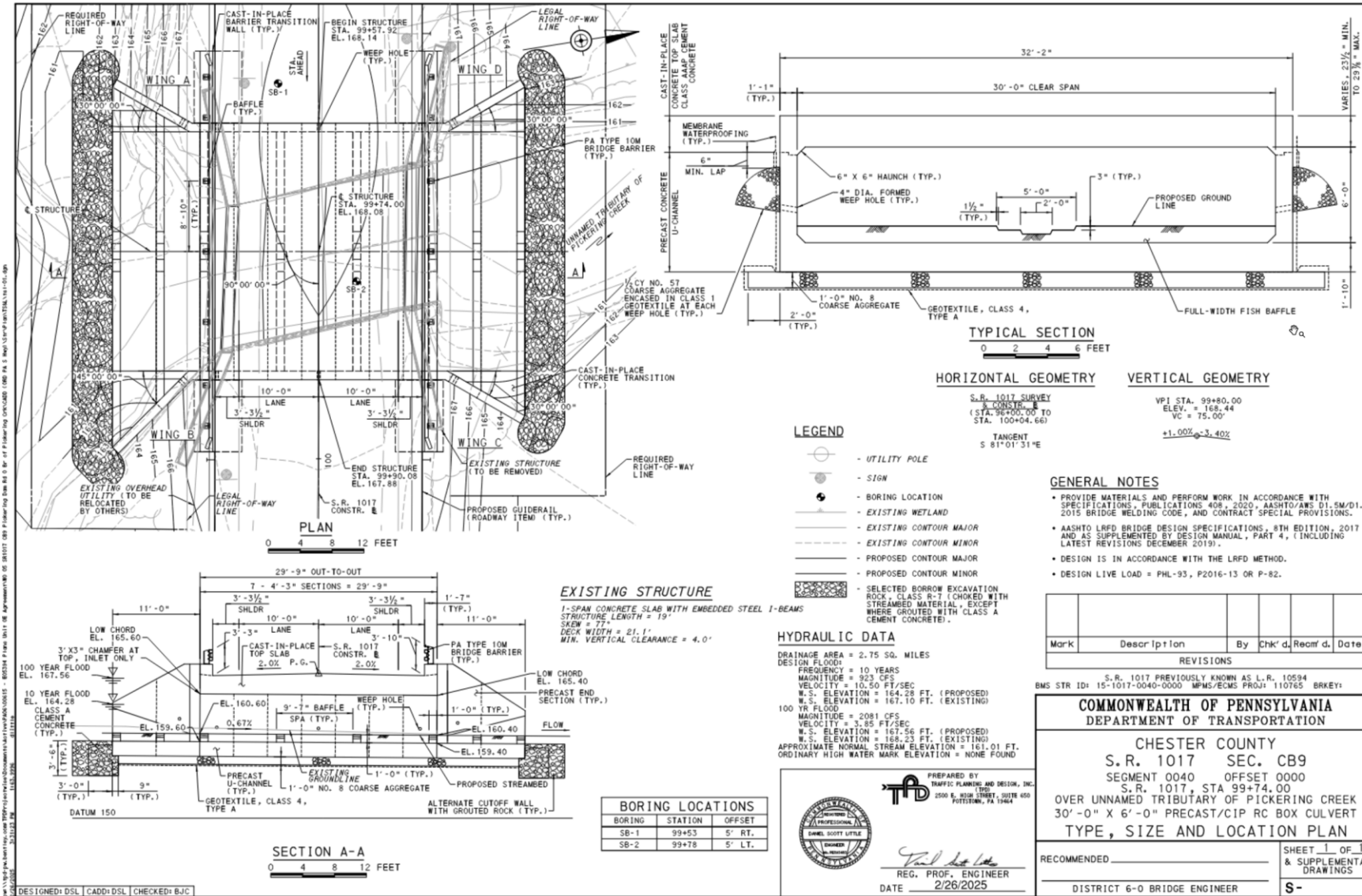
ROADWAY IMPROVEMENTS



- Full-depth reconstruction for approaches
- 2 x Lanes 10-Foot wide
- 2 x Shoulders 3-Foot wide
- 50-Foot Lane/Shoulder Transitions
- Mill & Overlay Tie-ins
- Trail Adjustment
- Guide Rail (painted brown)



BRIDGE IMPROVEMENTS



PROPOSED CULVERT

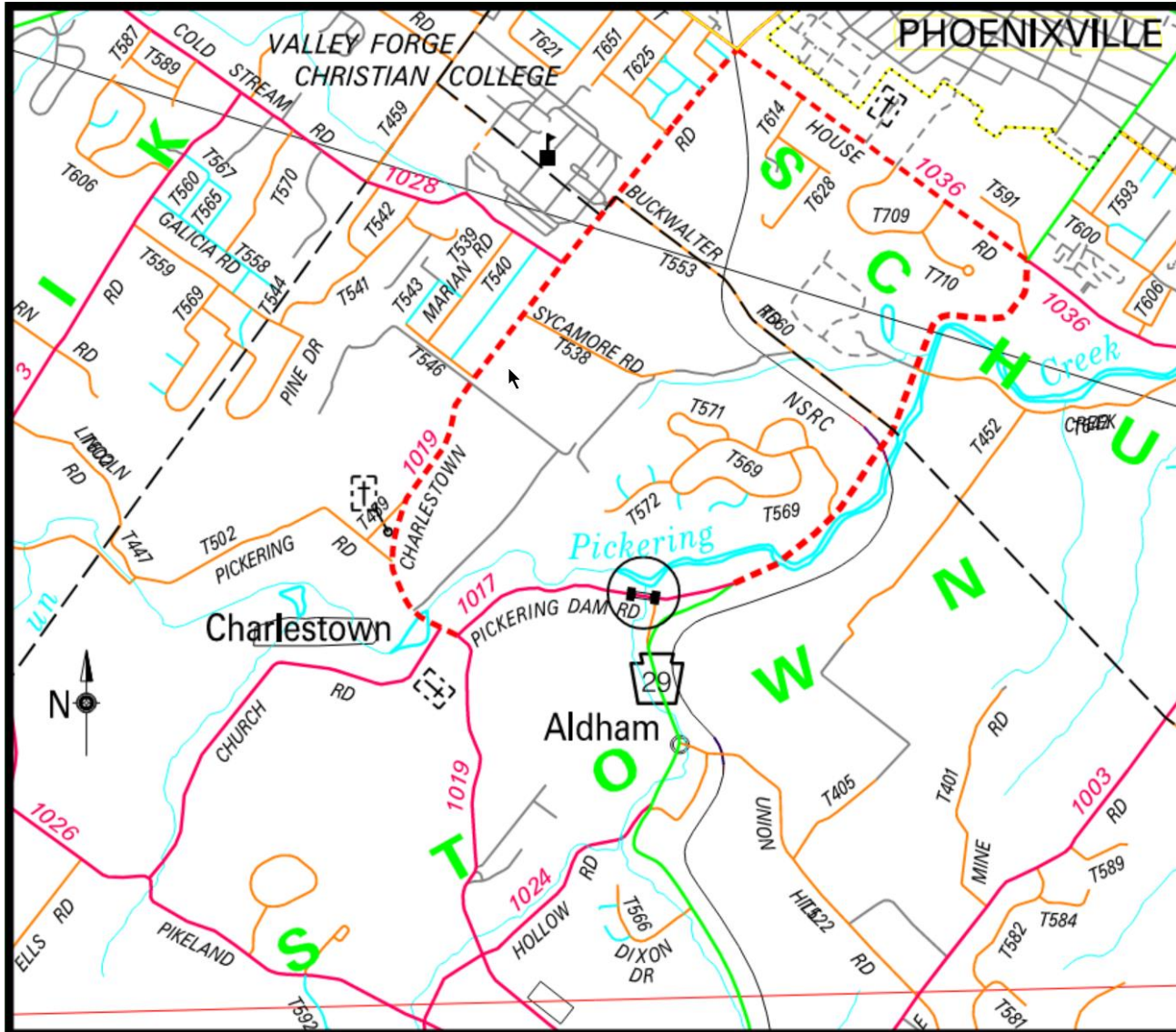
- Under Clearance: 5 ft
- Lateral Clearance: 30 ft
- Curb-to-curb width: 26 ft
- 2 x 10-Foot Lanes
- 2 x 3-Foot Shoulders
- Type 10M Barrier
- Barrier Railing will be painted brown
- Passes 10-yr storm
- Improves the 50-yr and 100-yr storms water surface elevations



BRIDGE IMPROVEMENTS



TRAFFIC CONTROL



- **Approximate length in miles: 4.5**
- **Approximate length in minutes: 8**
- Local traffic access will be maintained.
- State routes only to be used for detour

LEGEND:

- **Detour** 
- **Project Location** 



PROJECT SCHEDULE

TASK	2024				2025				2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
NEPA Studies	■	■	■	■	■	■										
Geotechnical Studies						■	■	■								
ROW Acquisition							■	■	■	■						
Utility Conflict Resolution							■	■	■	■						
Section 404/105 Permitting							■	■	■	■						
Final Design							■	■	■	■						
Contracting											■					
Construction												■	■	■	■	



COMMENT FORM

Available online on the project website
<https://bit.ly/PickeringDamRd>

- Share questions, comments or concerns
- Provide feedback on the project
- Help PennDOT understand the needs and priorities of the community



THANK YOU FOR PARTICIPATING!

FOR MORE INFORMATION, VISIT THE PENNDOT DISTRICT 6 WEBSITE

WWW.PA.GOV/AGENCIES/PENNDOT/PROJECTS-NEAR-YOU/DISTRICT-6-PROJECTS.HTML

WWW.PA.GOV/AGENCIES/PENNDOT/PROJECTS-NEAR-YOU/DISTRICT-6-PROJECTS/PICKERING-DAM-ROAD-OVER-BRANCH-OF-PICKERING-CREEK-BRIDGE-REPLACEMENT.HTML