National Park Service
U.S. Department of the Interior

Chesapeake & Ohio Canal NHP

Cabin John Citizens Association (CJCA)

Project Updates

Wednesday, February 21, 2024

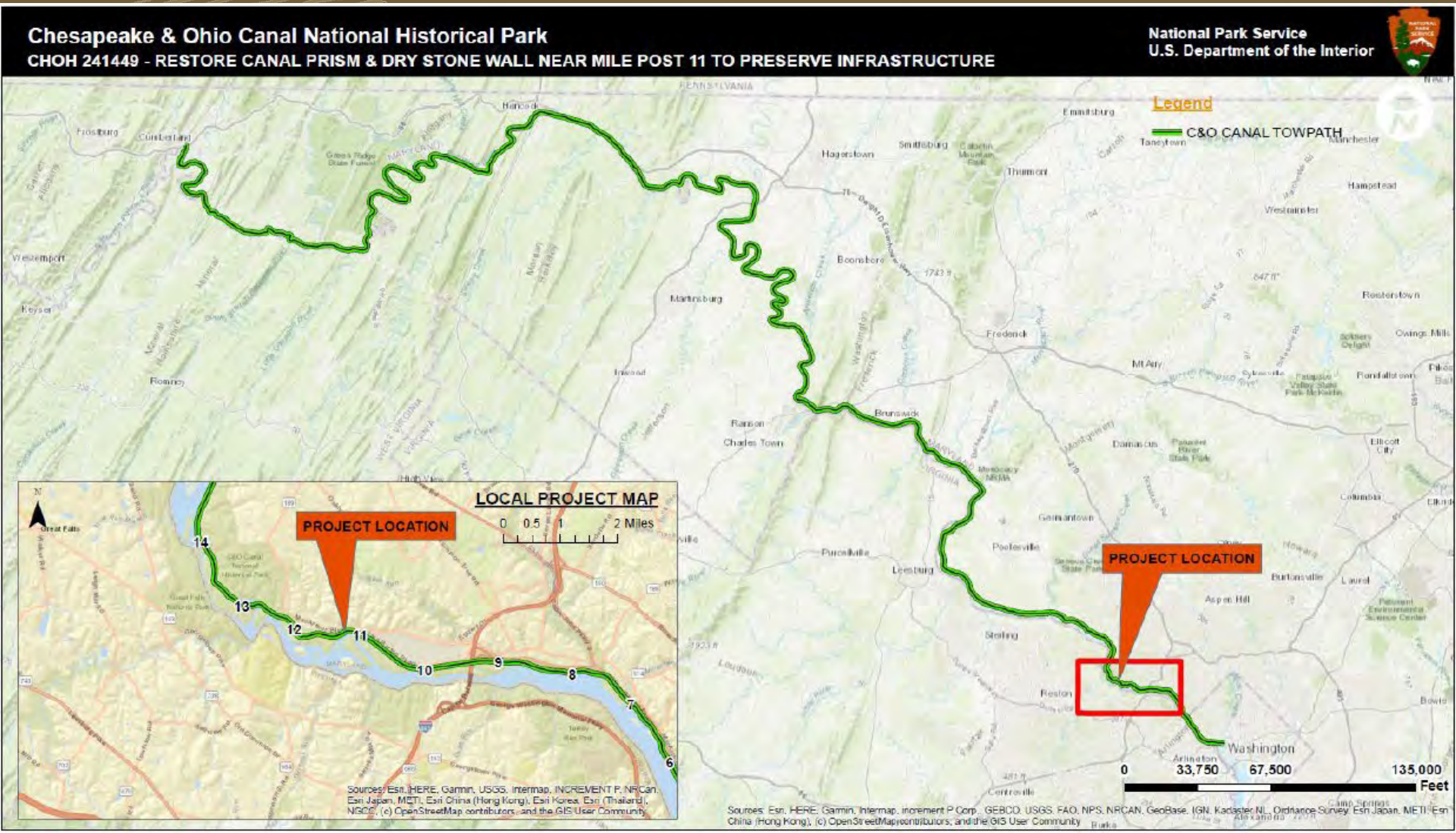
Joe Reed, P.E., CFM
Chief, Professional Services Division

EXPERIENCE YOUR AMERICA

Chesapeake & Ohio Canal National Historical Park

CHOH 241449 - RESTORE CANAL PRISM & DRY STONE WALL NEAR MILE POST 11 TO PRESERVE INFRASTRUCTURE

National Park Service
U.S. Department of the Interior



EXPERIENCE YOUR AMERICA

History of Site

- Late 1828 to 1831 – Original wall constructed.
- The "Log Wall" reference is attributed to an 1890 Engineer's Report that detailed the 1889 flood damage and referred to this reach as the "Log Wall Level".
- 1962 – Permit Issued for Construction of Unit 10 – Anglers Inn Segment for the Potomac Interceptor.
- 1969 – as-built for re-lining canal by DCWATER due to leakage.
- 1999 – documentation of sinkholes and repair by DCWATER due to failure of liner system in the canal.
- 2015 & 2016 – Sinkholes in canal observed, canal dewatered along 4 mile reach through Widewater, and sandbag ring established.
- 2022 – Construction Contract Awarded
- 2023 to 2024 - Construction





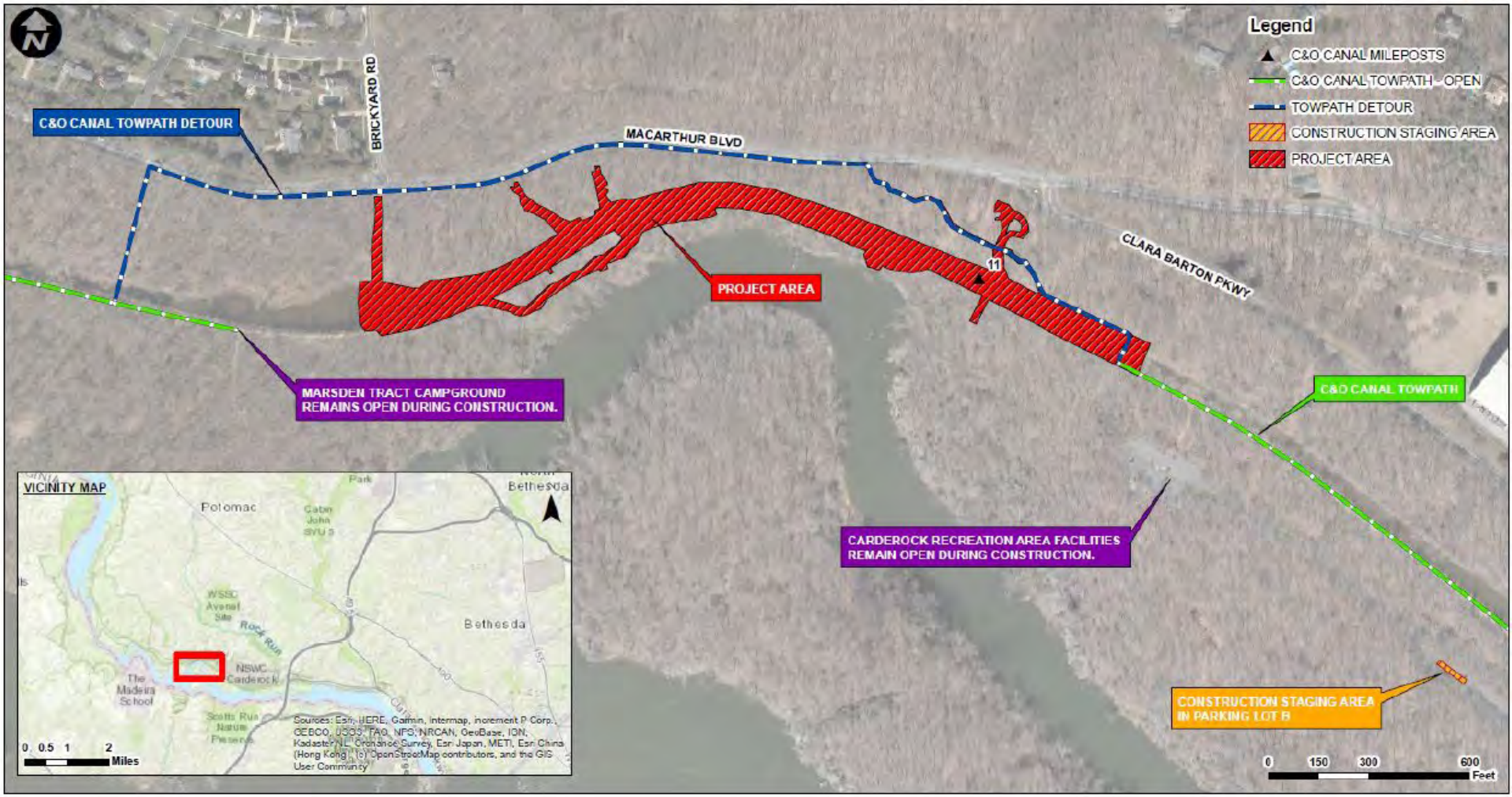
Project Scope – Project Purpose

- Prevent failure of the 1,015 foot long historic drystone wall, that varies in height up to 35' tall; and supports the towpath, watered canal prism, and 65 MGD Potomac Interceptor sanitary sewer.
- Maintain "Towpath Continuity" of the 184.5 mile long primary trail in the park.
- Restore Hydraulic Connectivity within the Canal Prism (currently impacts water levels in the canal)
- Stabilize Tributaries within project reach to:
  - Reduce mass sediment loads entering the canal from instream instabilities and bank failures.
  - Restore sediment transport functions.
  - Stabilize culvert outfalls and stream outfalls at the canal.
  - Maintain and protect as much of the existing trees and natural landscape as possible.

Chesapeake & Ohio Canal National Historical Park

RESTORE CANAL PRISM AND HISTORIC DRY-LAID STONE WALL NEAR MILE POST 11 - PROJECT AREA

National Park Service
U.S. Department of the Interior



PRODUCED BY: CHOH ENGINEERING SERVICES

08 FEBRUARY 2023

Data Sources: ESRI Roads, NPS Park Data, MD 2011 Imagery, etc

Project Need – Sediment in Canal with Overtopping









Project Need – Sinkholes







Project Need – Wall Stability









Project Need – Wall Stability

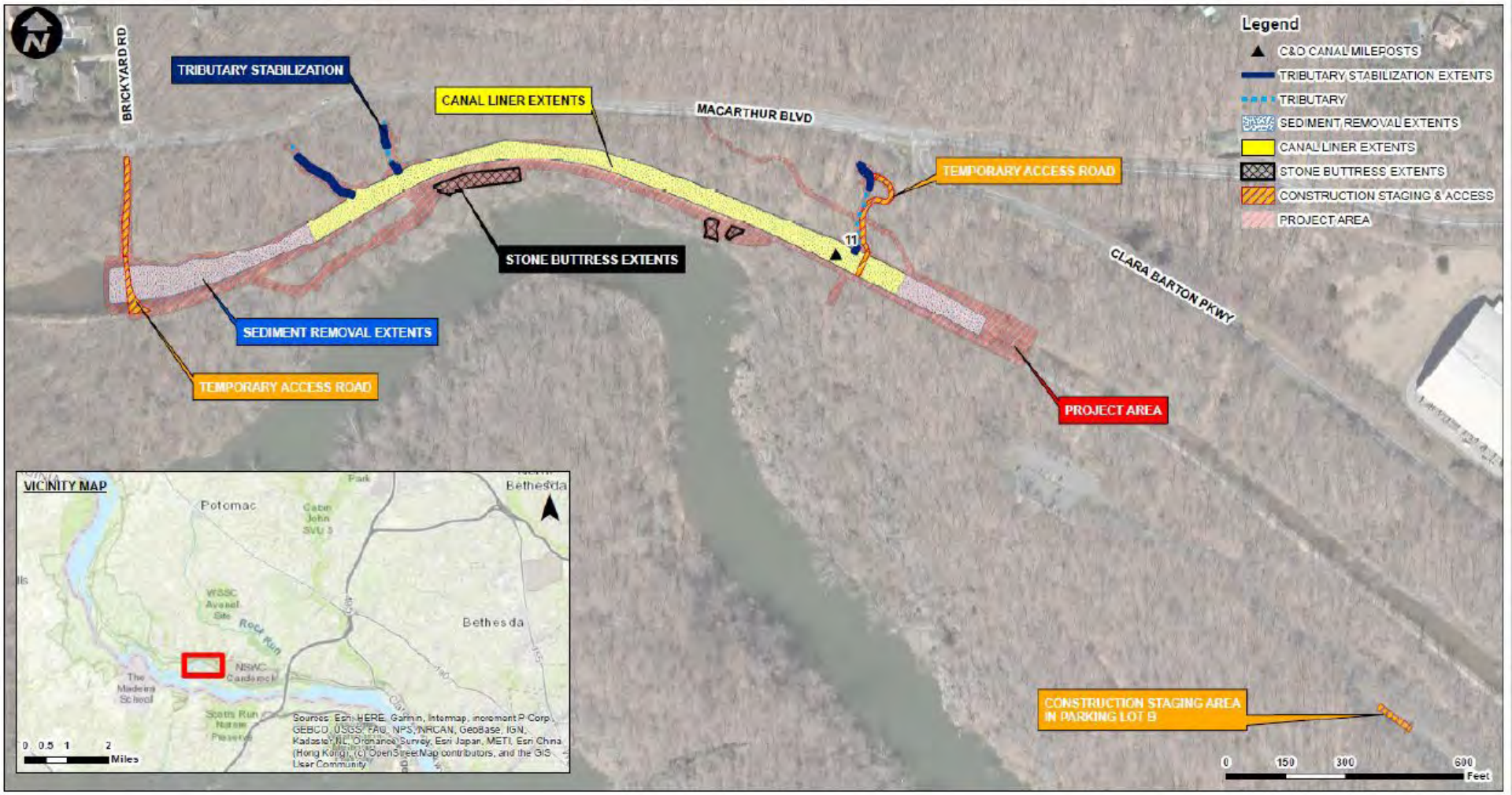






Chesapeake & Ohio Canal National Historical Park
RESTORE CANAL PRISM AND HISTORIC DRY-LAID STONE WALL NEAR MILE POST 11 - PROJECT FEATURES

National Park Service
U.S. Department of the Interior



PRODUCED BY: CHOH ENGINEERING SERVICES

08 FEBRUARY 2023

Data Sources: ESRI Roads, NPS Park Data, MD 2011 Imagery, etc
















NARROW
BRIDGE


EXPERIENCE YOUR AMERICA


EXPERIENCE YOUR AMERICA

Additional Updates











EXPERIENCE YOUR AMERICA





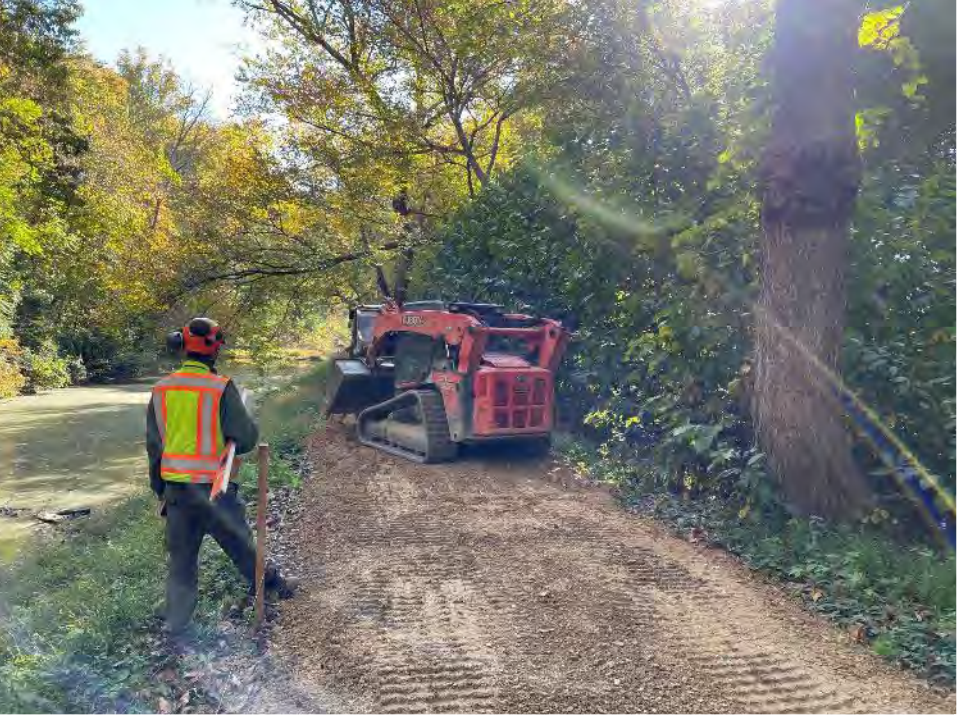


































FY24 Projects Underway

























Chesapeake and Ohio Canal National Historical Park
GEORGETOWN LOCKS & WALLS - PROJECT AREA

National Park Service
U.S. Department of the Interior

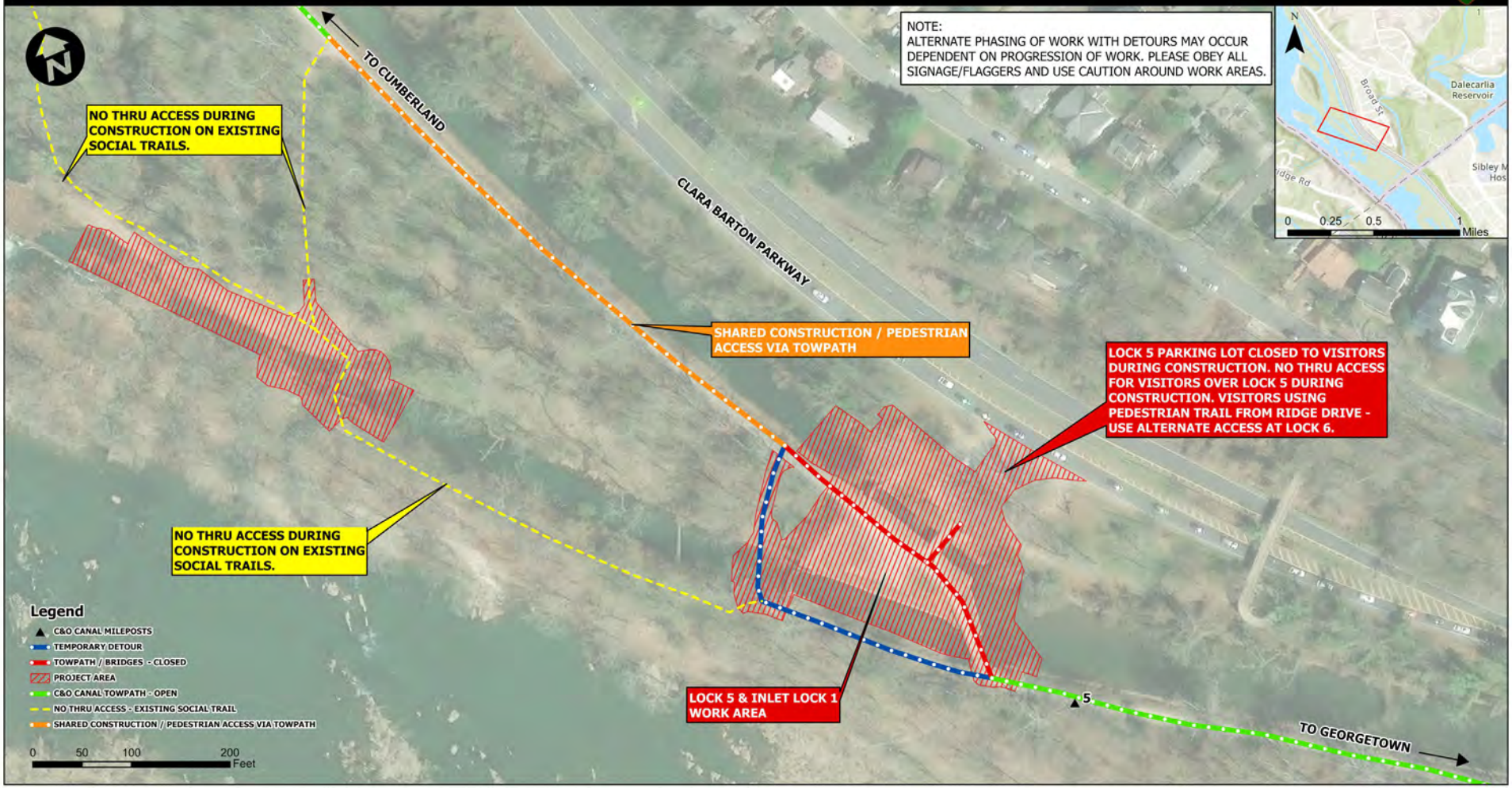


Produced by CHOH Professional Services
Williamsport, Maryland

FEBRUARY 21, 2024

Chesapeake and Ohio Canal National Historical Park
LOCK 5 & INLET LOCK 1 - PROJECT AREA

National Park Service
U.S. Department of the Interior



Produced by CHOH Professional Services
Williamsport, Maryland

FEBRUARY 21, 2024

The Georgetown Branch Railroad

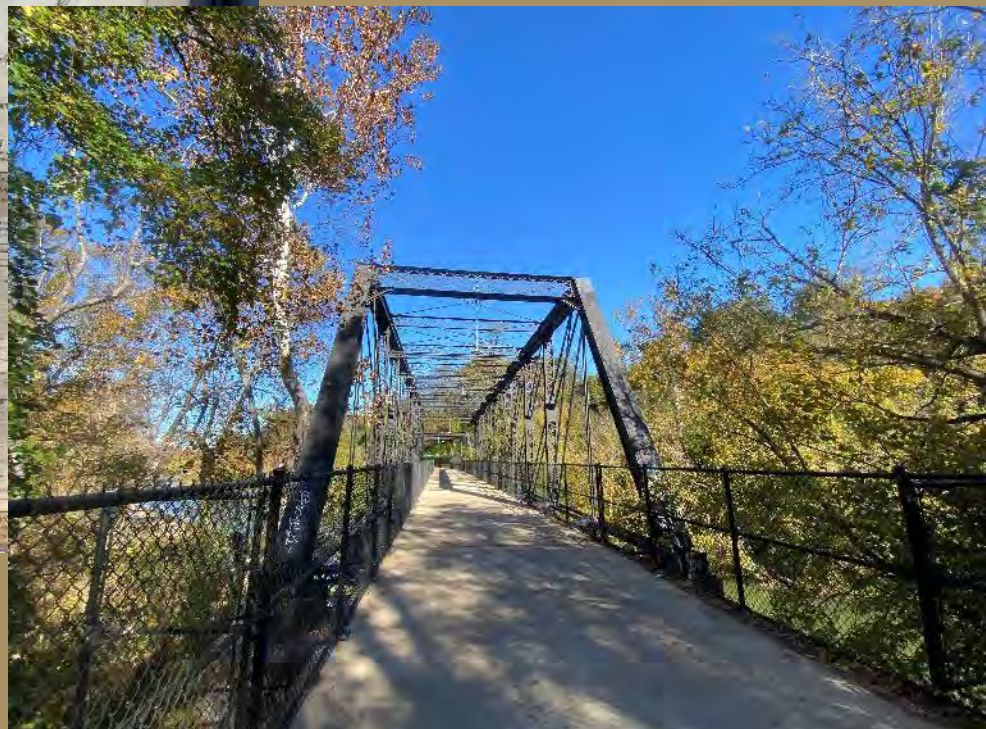




100 Years on the Georgetown Branch Railroad











EXPERIENCE YOUR AMERICA






Thank You!
Park Projects - Chesapeake & Ohio Canal National Historical Park (U.S. National Park Service) (nps.gov)
EXPERIENCE YOUR AMERICA