



Restore Canal Prism and Historic Dry Stone Wall Near Mile Post 11 to Preserve Infrastructure

CHOH - 241449



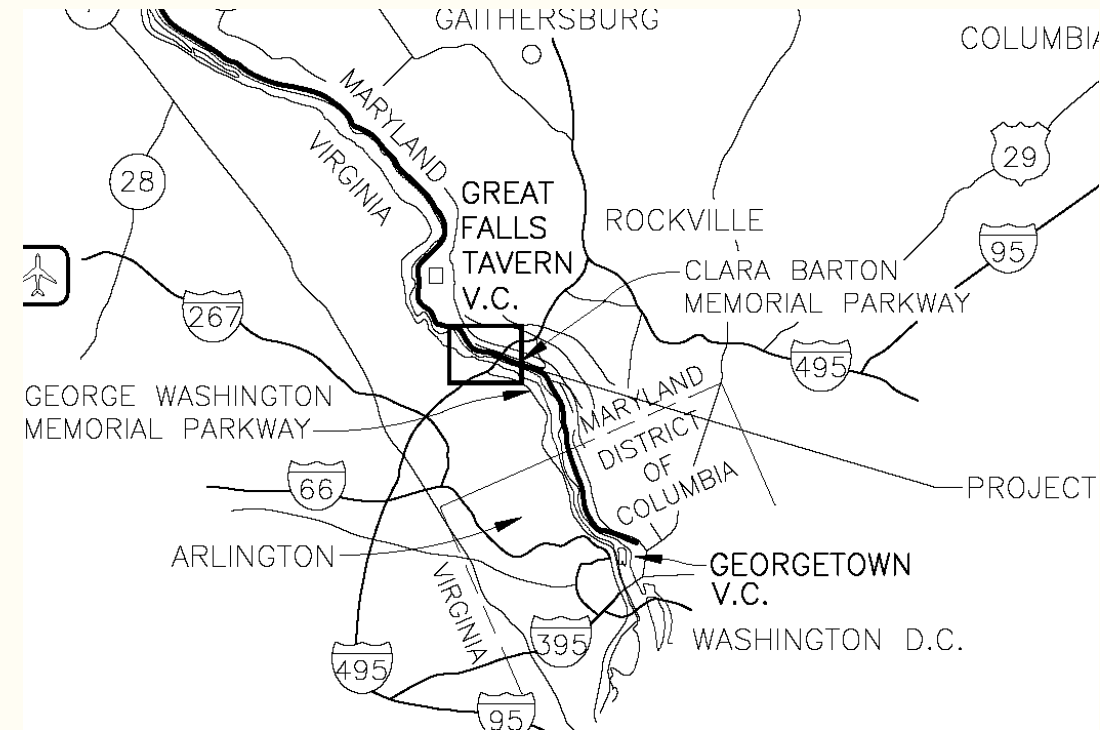


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- Brief Description

Scope consists of stabilizing large dry laid stone wall (Appx. 1,015 LF) which supports the canal prism, restoring canal prism by removing accumulated sediment, repairing sink holes, and installing geosynthetic liner. Stabilize portions of three tributaries which flow into the canal prism, thus reducing sediment accumulation. Of primary concern is the adjacent Potomac Interceptor which runs parallel to the canal prism. Failure of the dry laid stone retaining wall would potentially lead to failure of the Potomac Interceptor.

- Location: Chesapeake & Ohio Canal National Historic Park - Maryland
- Estimated Price: Between \$5 million and \$10 million





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- Design & Construction Method:

Design – Bid – Build

- Procurement Method:

Full and Open Competition

- Schedule (Approximate):

Solicitation Date: 05/20/2022

Award Date: 07/15/2022 Period

of Performance: 270 days



Upstream
Portion of
Drylaid Stone
Wall

Washout of
Riverside
Towpath
Embankment



Site Plan



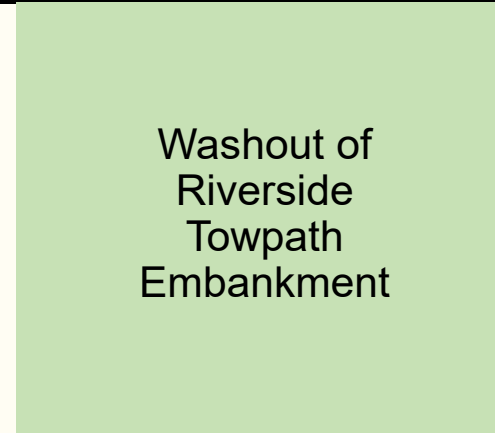


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- Performance Constraints & Other Considerations
 - Natural and / or cultural resource considerations
 - Resource considerations
 - Tight construction limits/Site Access
 - Visitor access
 - Sustainability
 - Endangered Plants
 - Protect Potomac Interceptor
 - Drainage



Upstream Portion
of Drylaid Stone
Wall



Site Plan





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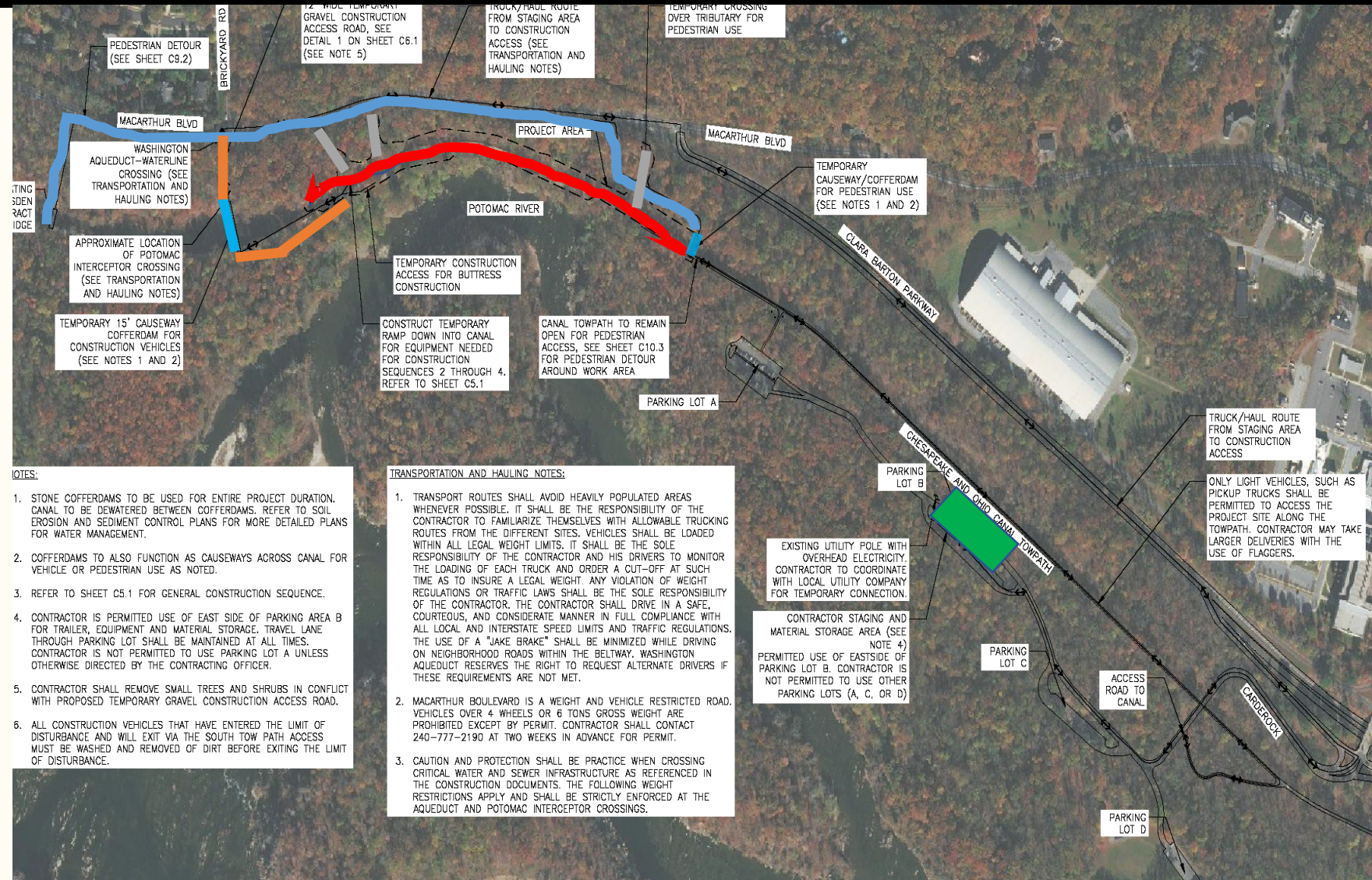
The project is located near the Clara Barton Pkwy and MacArthur Blvd. Staging will be in the adjacent parking lot. A pedestrian bypass will run parallel to MacArthur Blvd. The drylaid stone wall is approximately 1,015- ft long. The work includes dredging sediment, lining the canal with a geosynthetic liner, repairing existing sink holes, providing stone infill along the face of the existing wall, placing large dumped stone buttresses against the wall and stabilizing portions of three streams that outlet into the canal..





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- Temporary Causeway
- Drylaid Stone Wall & Canal Restoration
- Staging Area East side of Parking Lot B
- Pedestrian bypass along MacArthur Blvd.
- Temporary Access Road
- Stream Restoration

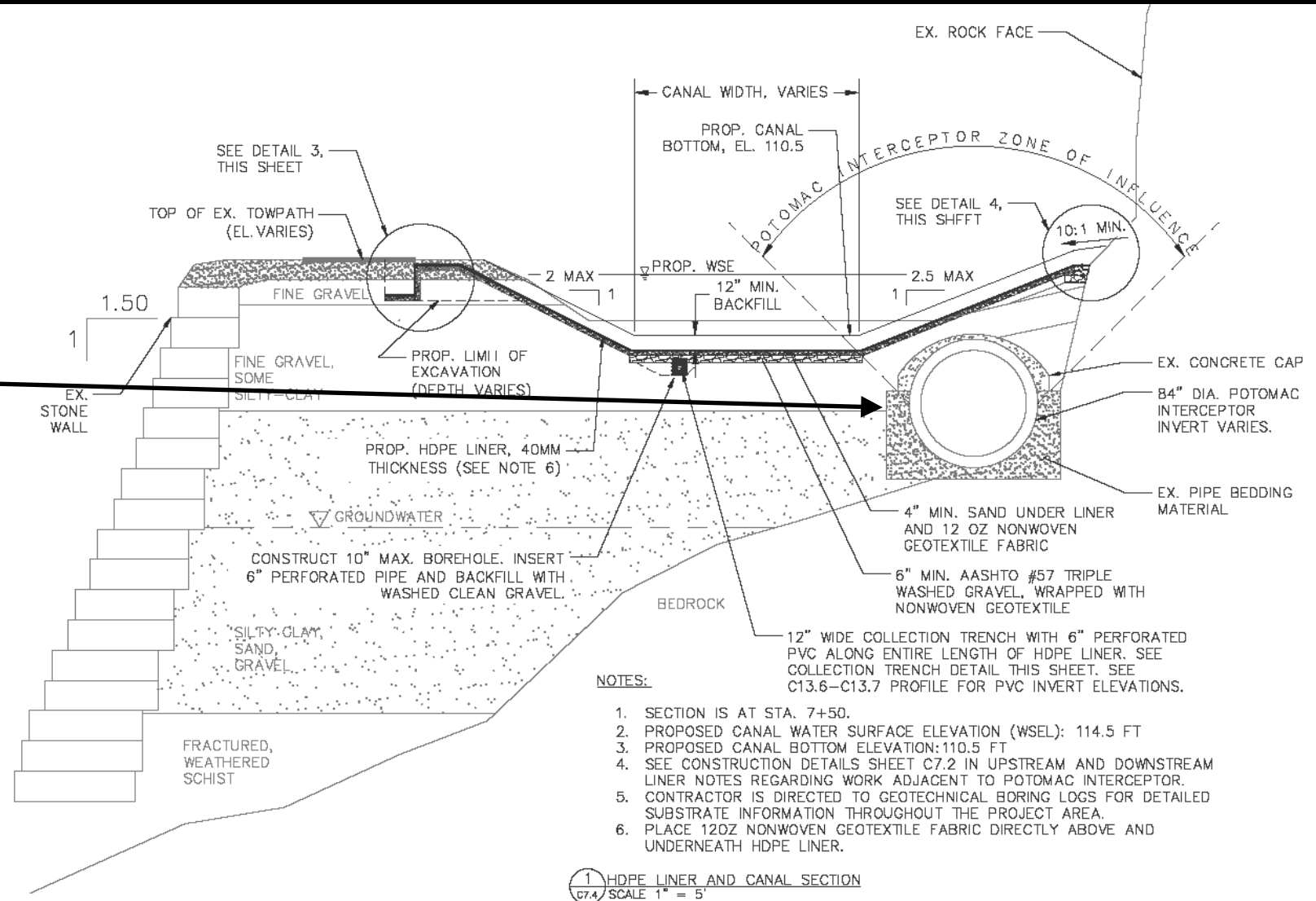




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Canal Liner Detail

- Potomac Interceptor (location varies)
- Work includes
 - Excavation and grading (sediment to be removed from site)
 - Gravel and geotextile
 - Perforated drainpipe
 - Liner installation with terminations
 - Backfill

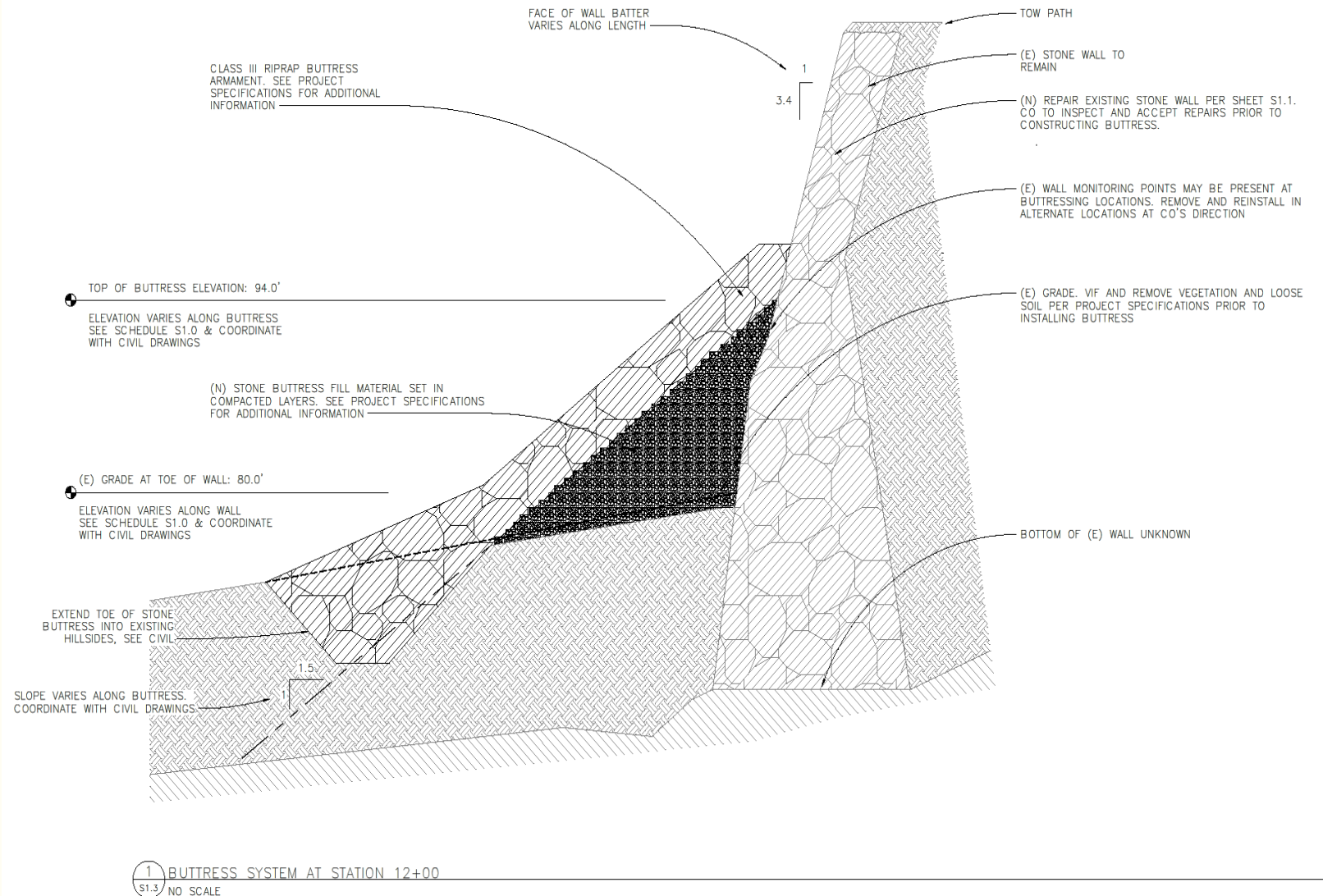




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Buttress Detail

- There are two reaches of walls to receive dumped stone buttresses. One upstream and one downstream
- Buttresses are to prevent future wall movement
- Class III riprap
- Excavate toe
- Lay fill material in compacted layers





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Stream Stabilization Details

- There are three streams which outlet into the canal within the project limits and have portions to be stabilized.
- Stabilization includes using instream structures to construct a stable channel cross-section to reduce downstream sedimentation in the canal.

