

Appendix B
Right of Way Survey Report



LONG BRIDGE STUDY Right of Way Survey Report



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LONG BRIDGE FIELD SURVEY

Field data collection for the Long Bridge Study collected necessary surveys of the existing bridge alignment, right of way attributes and profile within the project limits. The project limits were from the District of Columbia at Control Point (CP VA) L'Enfant Station (milepost 111.9) to CP AF (milepost 104.3) in Alexandria, Virginia, west of Telegraph Road and south of the Alexandria Metro Station.

Data from Milepost 111.9 in the District to the Pentagon Outfall Line west of Long Bridge Park in Virginia included right of way and easement, the railroad bridge, adjacent roadways, 1 foot contours, location of above ground utilities and infrastructure, indication of identifiable below ground utilities, air rights, and topographic surveys. The data was collected in June and July 2013 and aerial mapping was flown on July 18, 2013 to establish the 1 foot contours.

Data from the Pentagon Outfall Line west of Long Bridge Park in Virginia to Milepost 104.3 in Alexandria Virginia included right of way and easement, railroad tracks, adjoining property outlines and ownership, departing lines, and identifiable mile markers and property corners. The data was collected in March 2014.

Note that identifying below ground utilities that cross perpendicular to the Long Bridge could not be completely identified. The only confirmed crossing was a 60" storm pipe under the bridge that outfalls into the Roaches Run Waterfowl Sanctuary. The remaining crossings included storm, communication, gas, and sewer, and could only be manifested by manholes and other access points in the area.

Collected information was used to populate a GIS-based inventory as well as an engineering CADD database to assist in evaluating landside issues of project alternatives and new bridge structure impacts on the riverbanks. The survey results are also used to establish horizontal and vertical alignments for project alternates. The survey also documented the ownership of the infrastructure and the geographic elements within the project area limits for use in the GIS and CADD databases.

On both the Virginia and District of Columbia land approaches, an area surrounding the Long Bridge facility of 1,000 feet from the waterline and 200 feet wide (100 feet on each side) was surveyed.

Additional information was included in the Survey Plan Sheets surrounding the Long Bridge as it relates to elements of the study that were not part of the field survey. This included the physical expansion limits of the bridge alternatives for the study, the location of the WMATA Metrorail Yellow Line, and the limits of the approach slope to Ronald Reagan Washington National Airport.

Survey results are provided herein including as follows:

Appendix A – Planning Level Surveys of Existing Bridge Alignment within the Project Limits

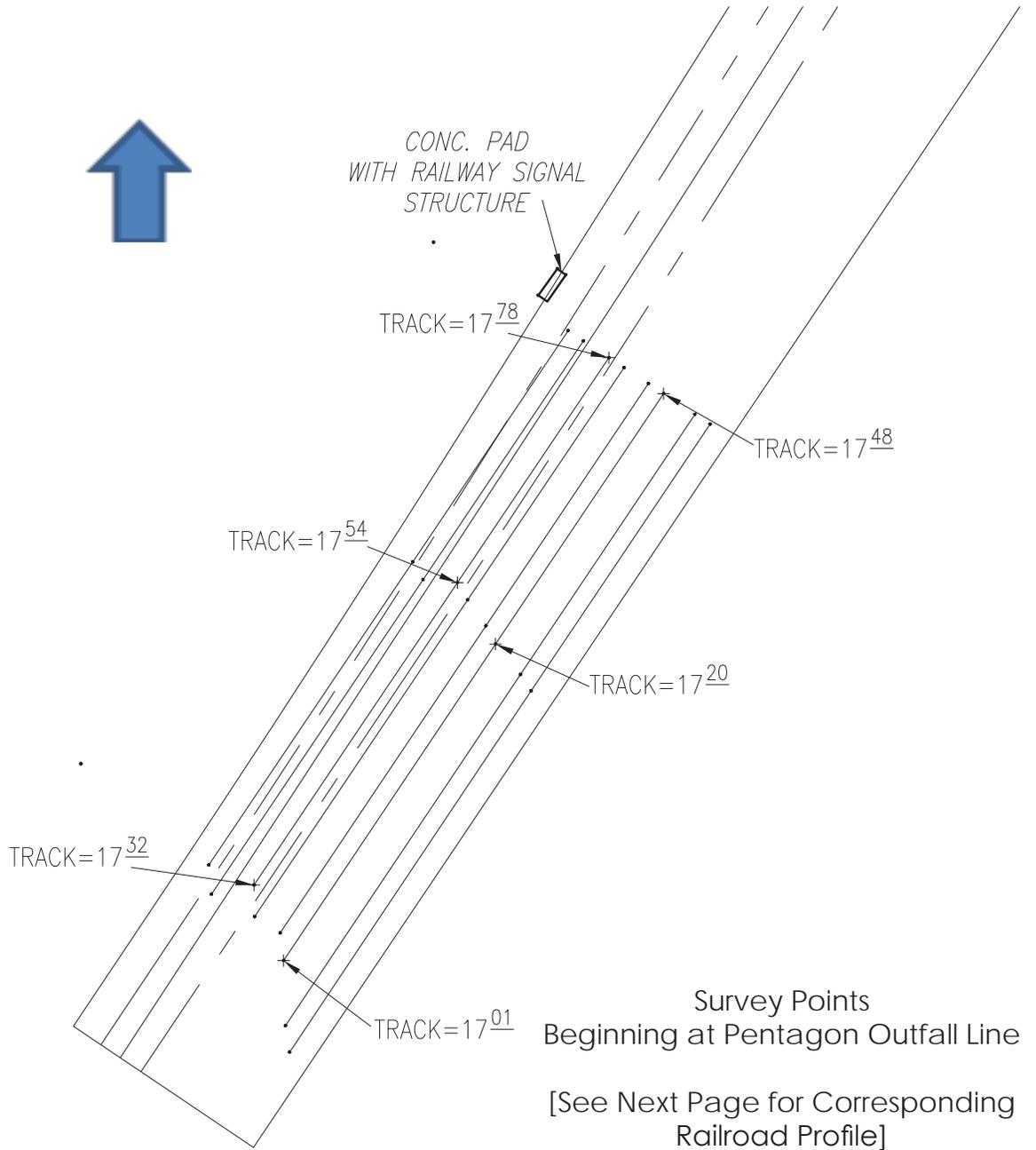
Appendix B – Survey Plan Sheets

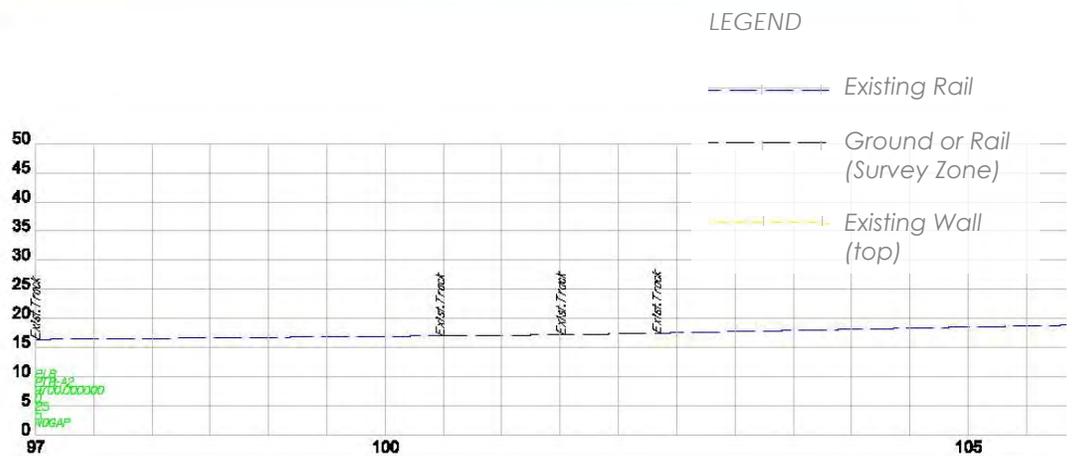
Appendix C – Survey Photos

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APPENDIX A

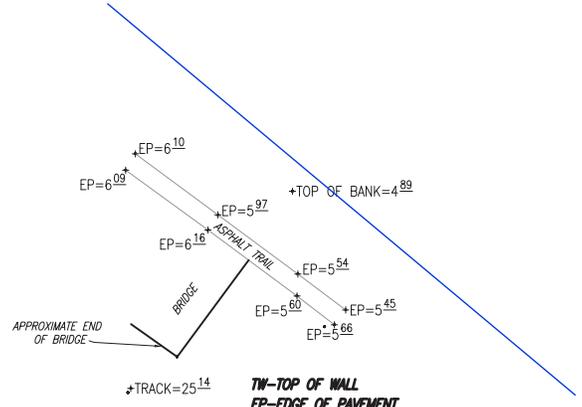
Planning Level Surveys of Existing Bridge Alignment within the Project Limits



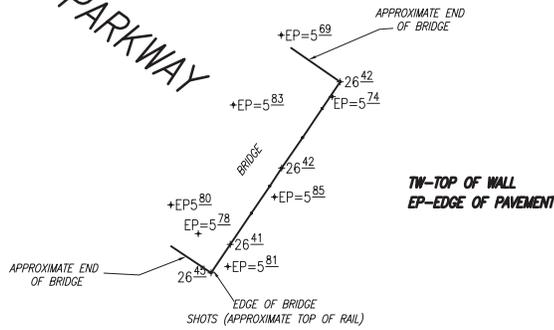




GEORGE WASHINGTON PARKWAY



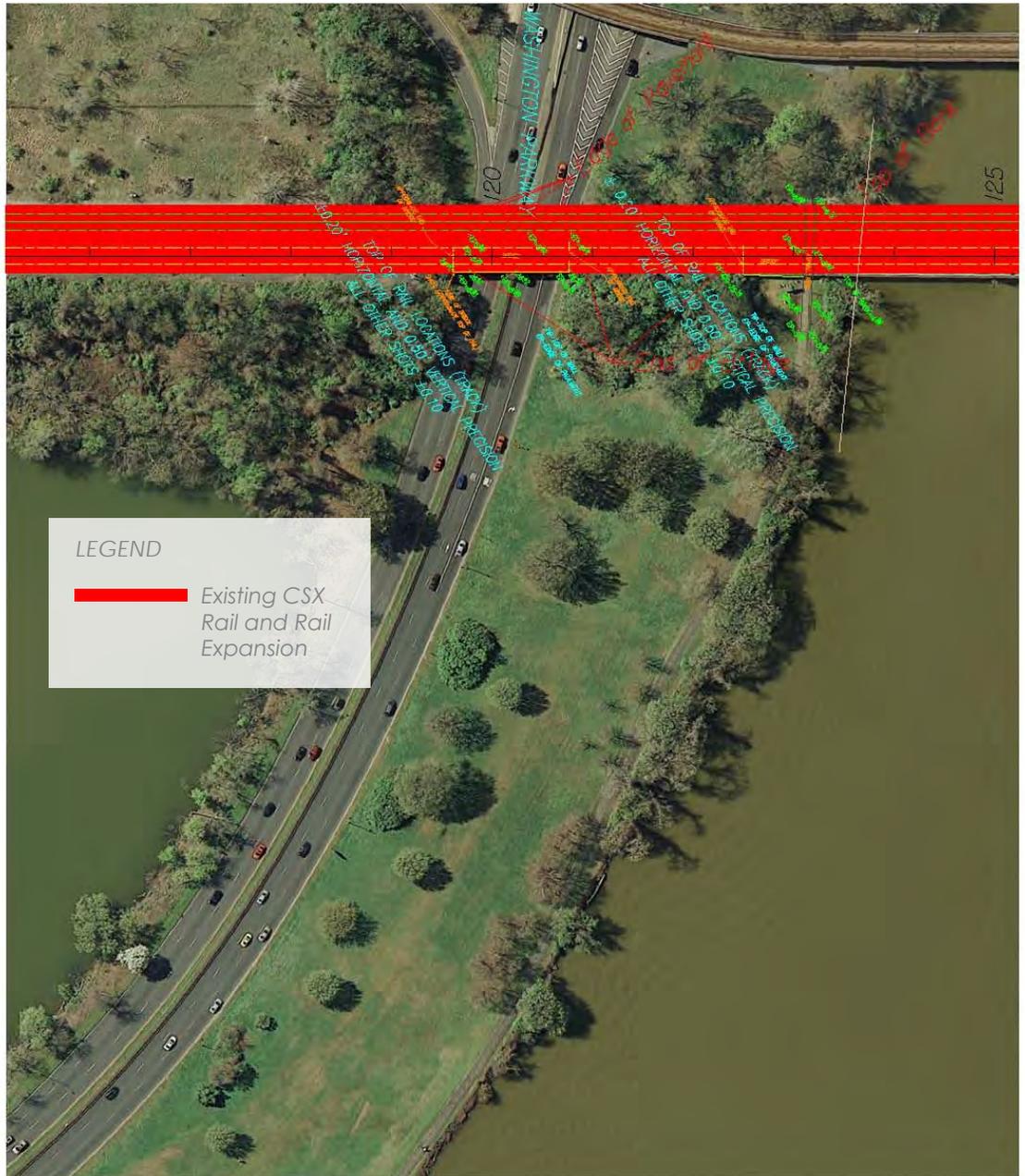
TOP OF RAIL LOCATIONS (TRACK)
 ± 0.20' HORIZONTAL AND 0.50' VERTICAL PRECISION
 ALL OTHER SHOTS ±0.10



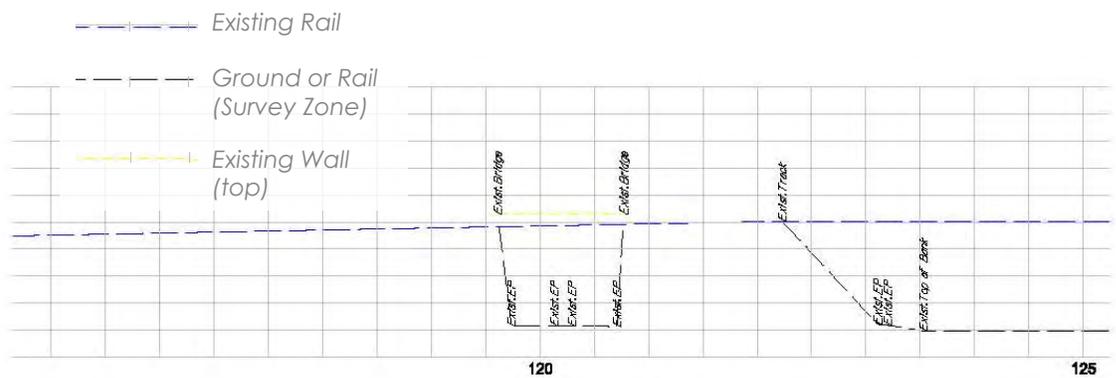
TOP OF RAIL LOCATIONS (TRACK)
 ±0.20' HORIZONTAL AND 0.50' VERTICAL PRECISION
 ALL OTHER SHOTS ±0.10

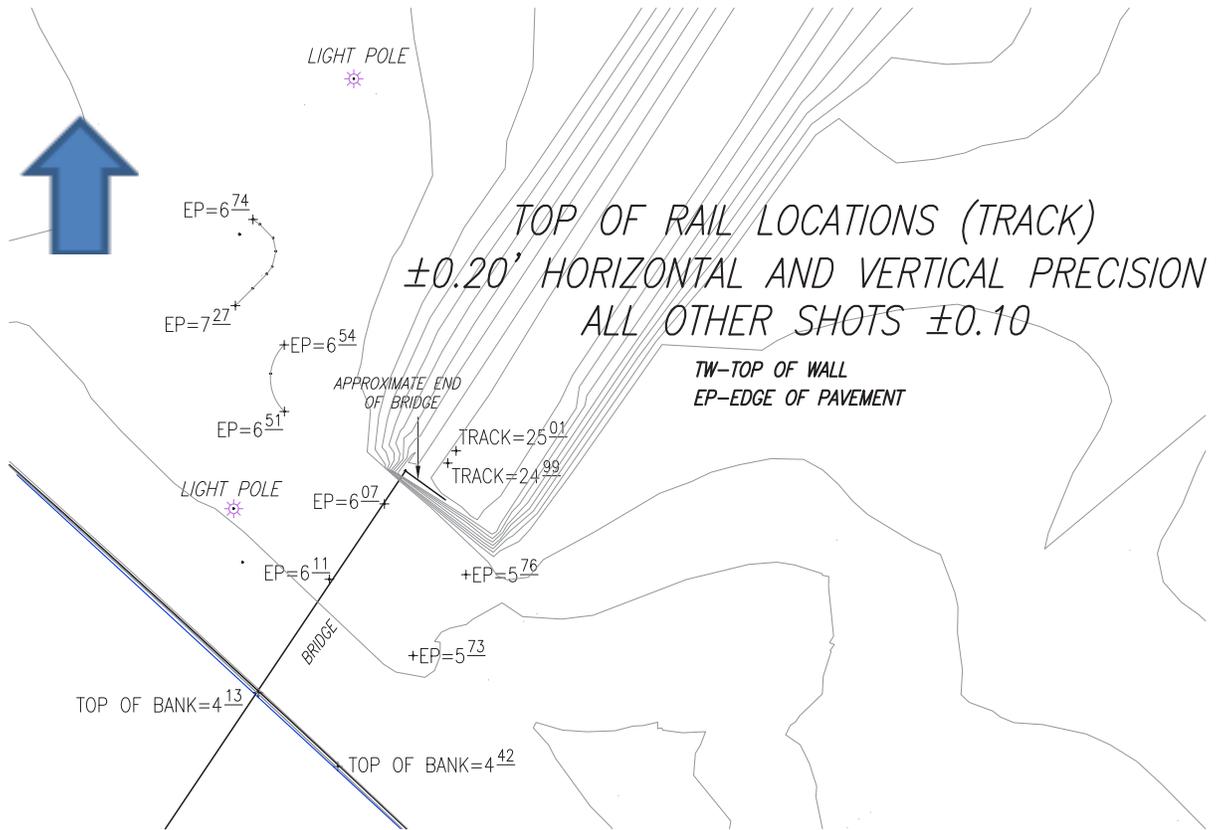
Survey Points
 George Washington Parkway

[See Next Page for Corresponding Railroad Profile]



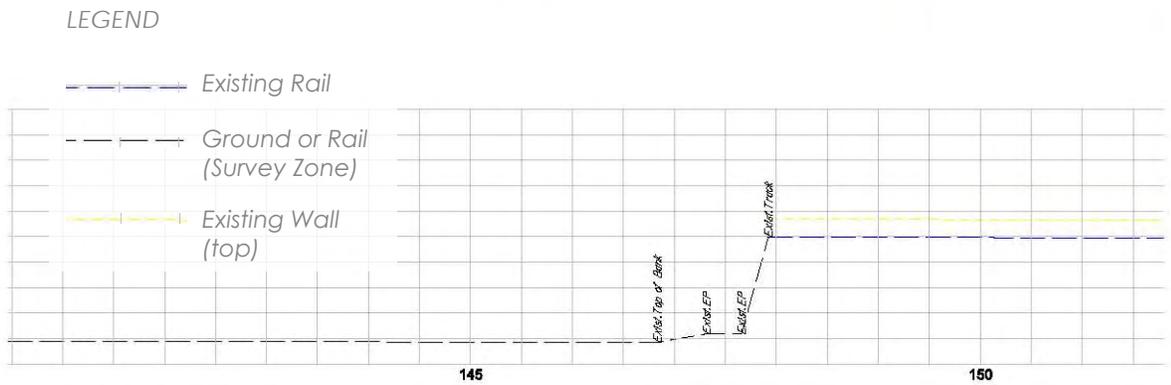
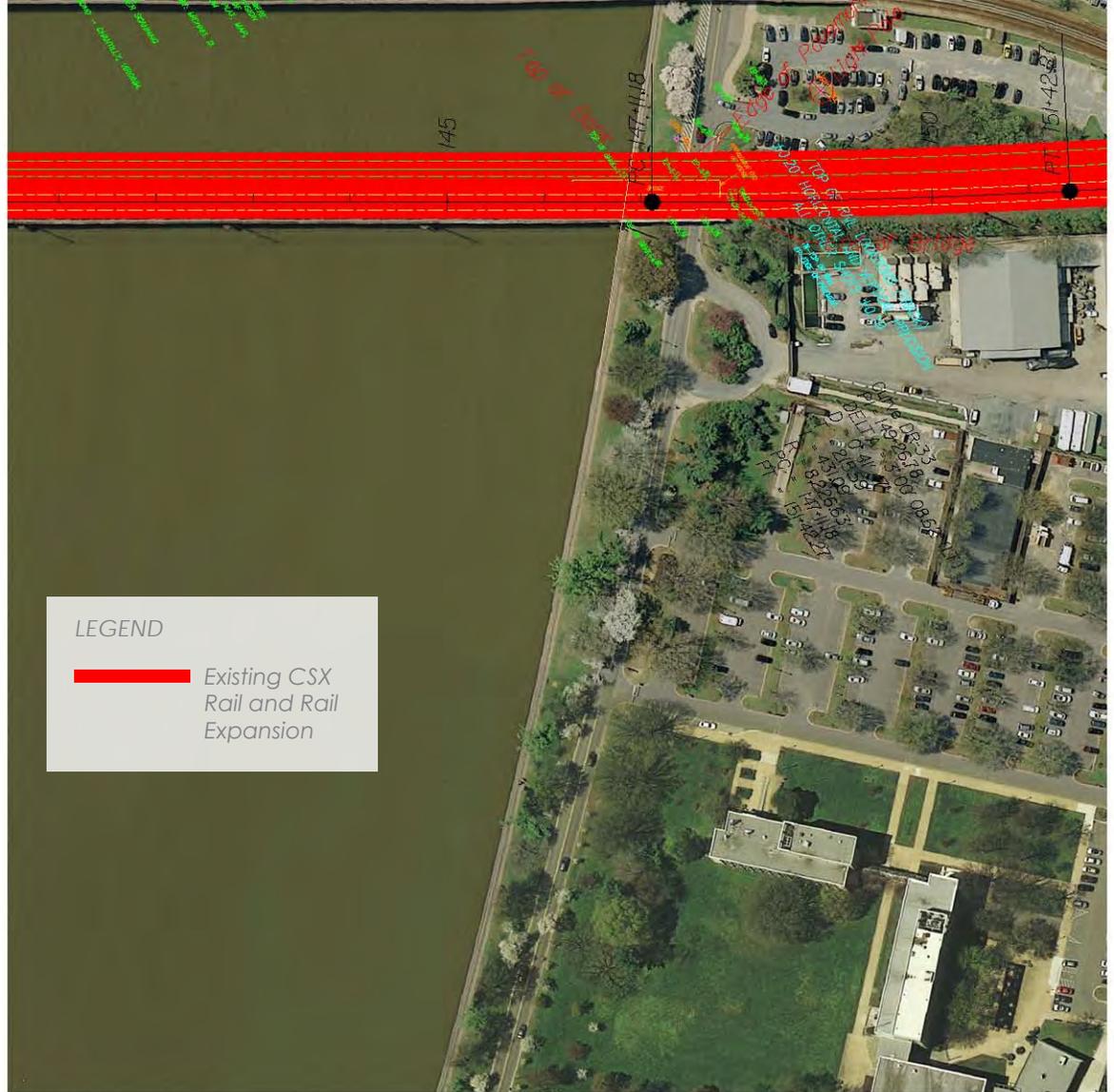
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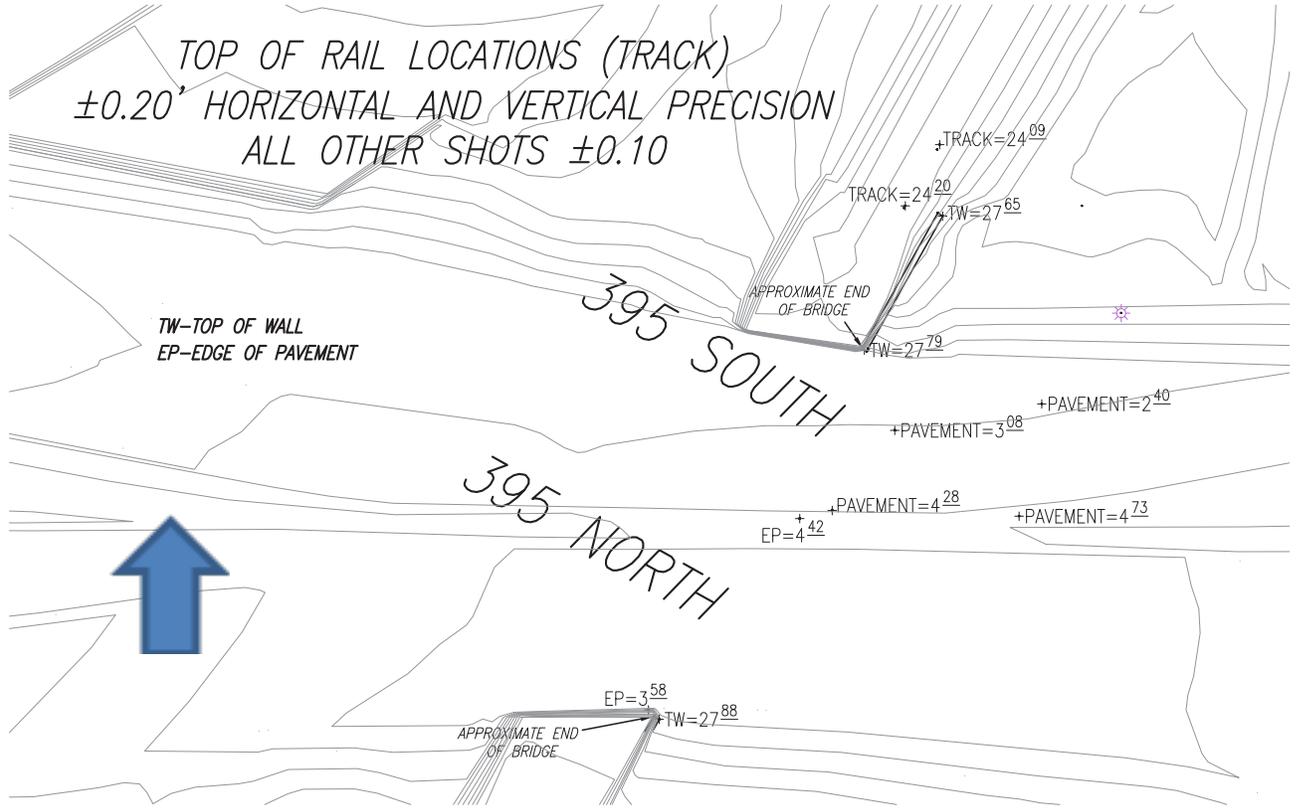




Survey Points
East Side of Potomac River at Ohio Drive

[See Next Page for Corresponding Railroad Profile]





Survey Points
I-395

[See Next Page for Corresponding Railroad Profile]

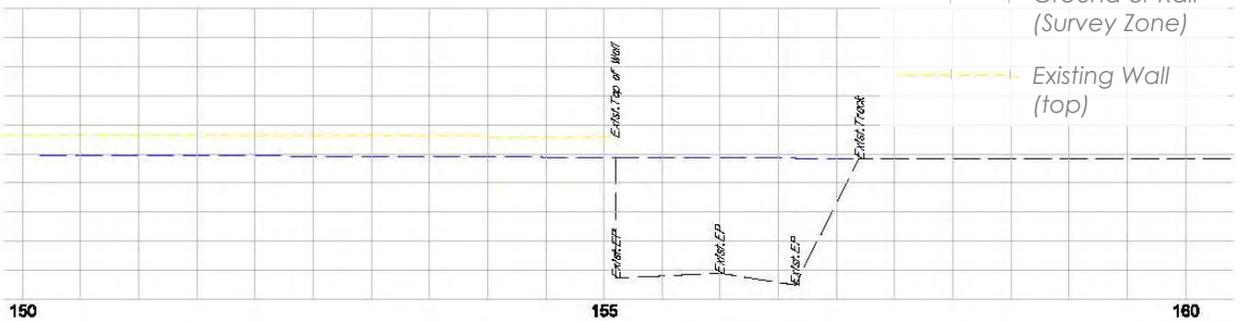


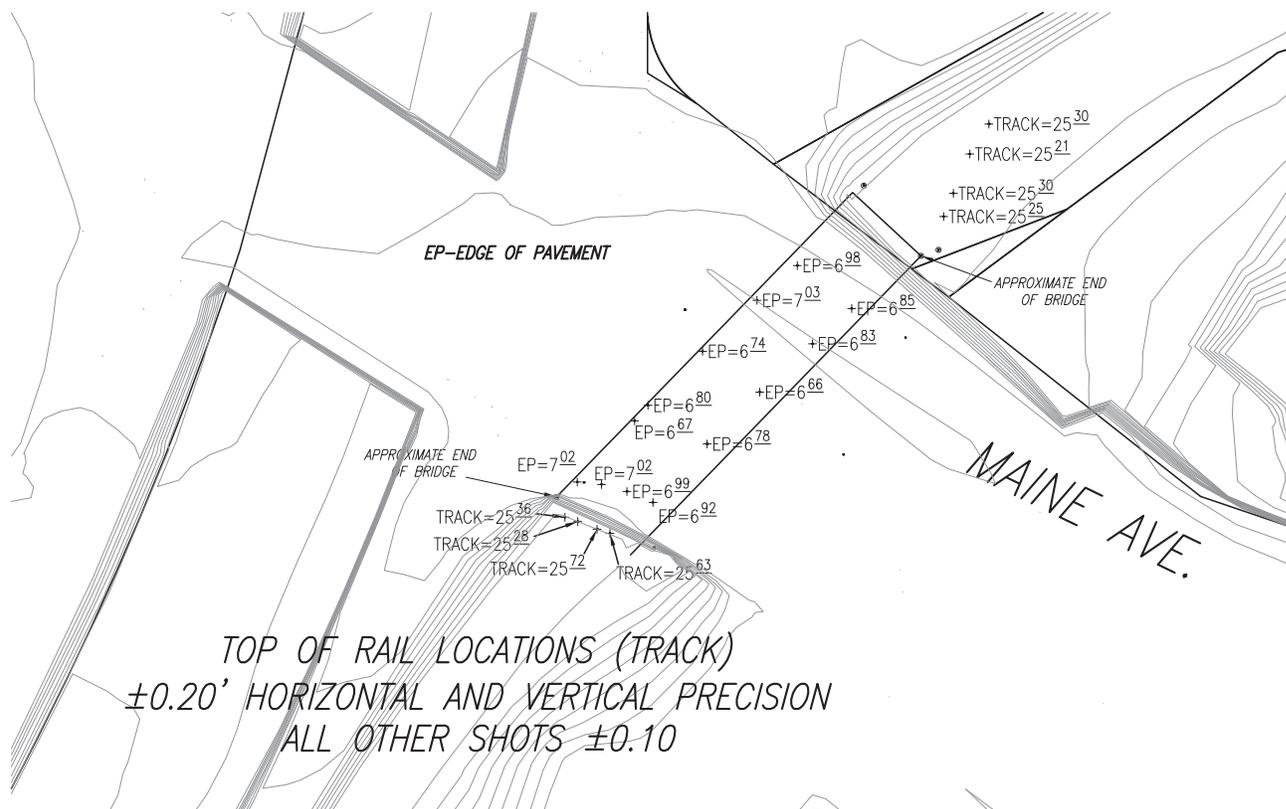
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- Existing CSX Rail and Rail Expansion

LEGEND

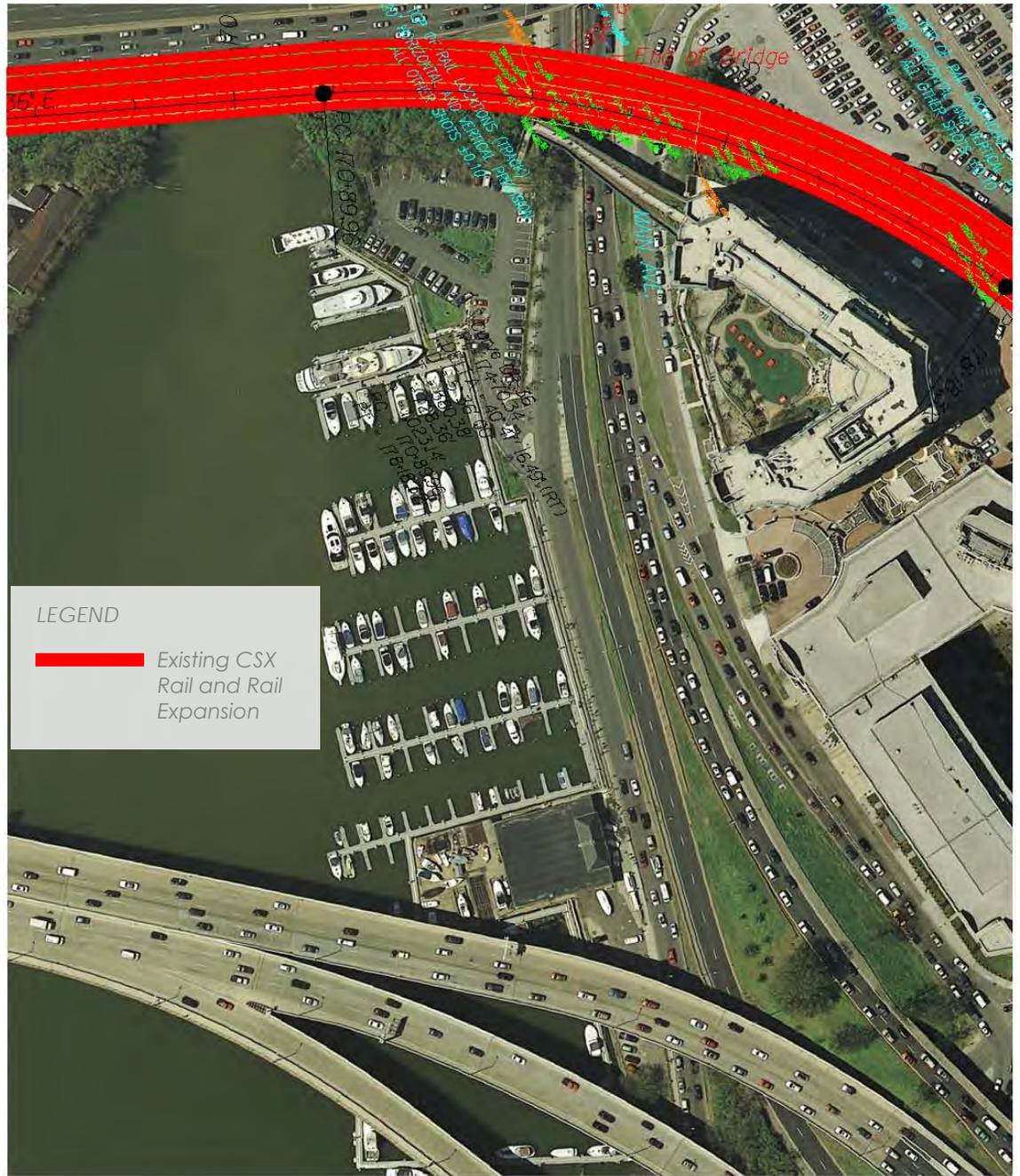
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- Ground or Rail (Survey Zone)
- Existing Wall (top)





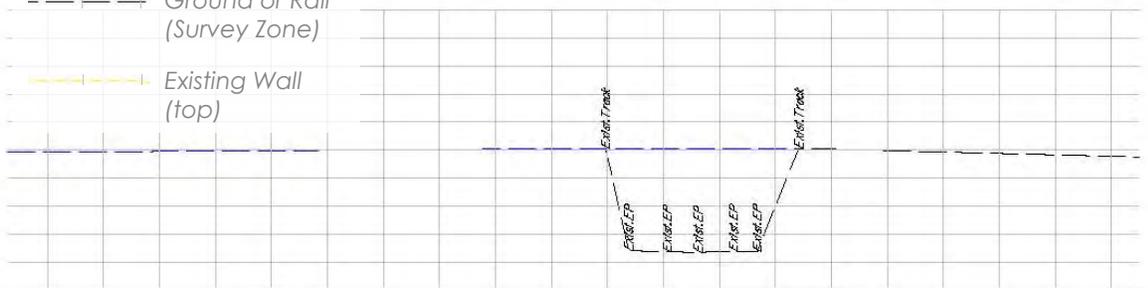
Survey Points
Maine Avenue

[See Next Page for Corresponding Railroad Profile]



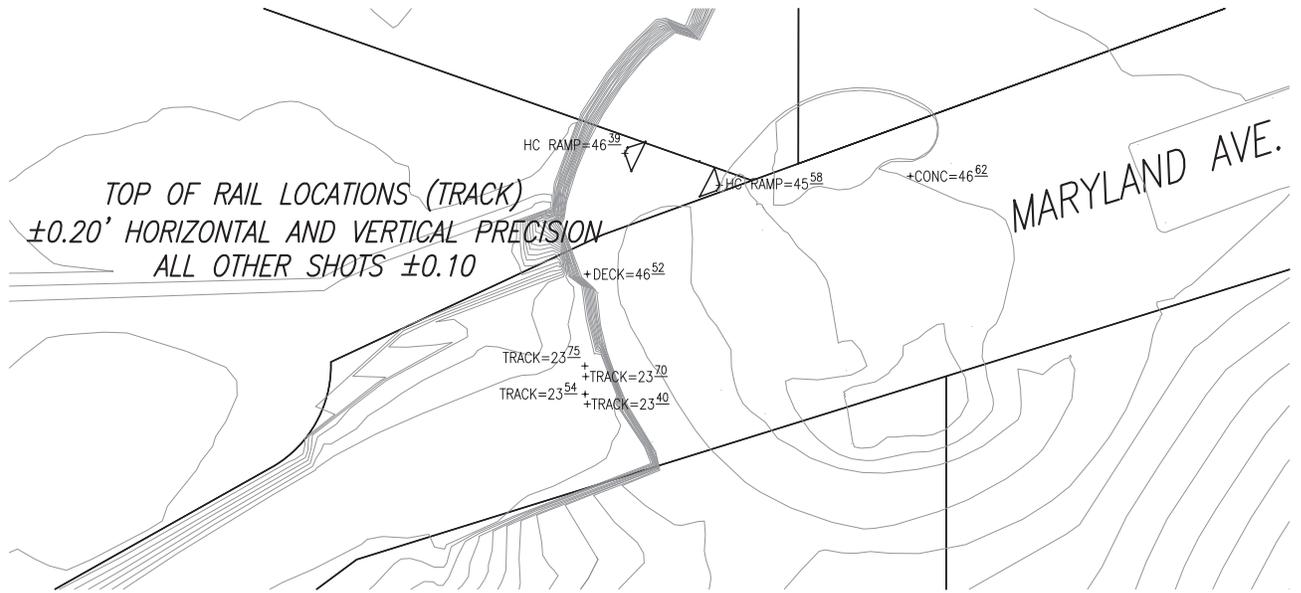
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-  Existing Rail
-  Ground or Rail (Survey Zone)
-  Existing Wall (top)



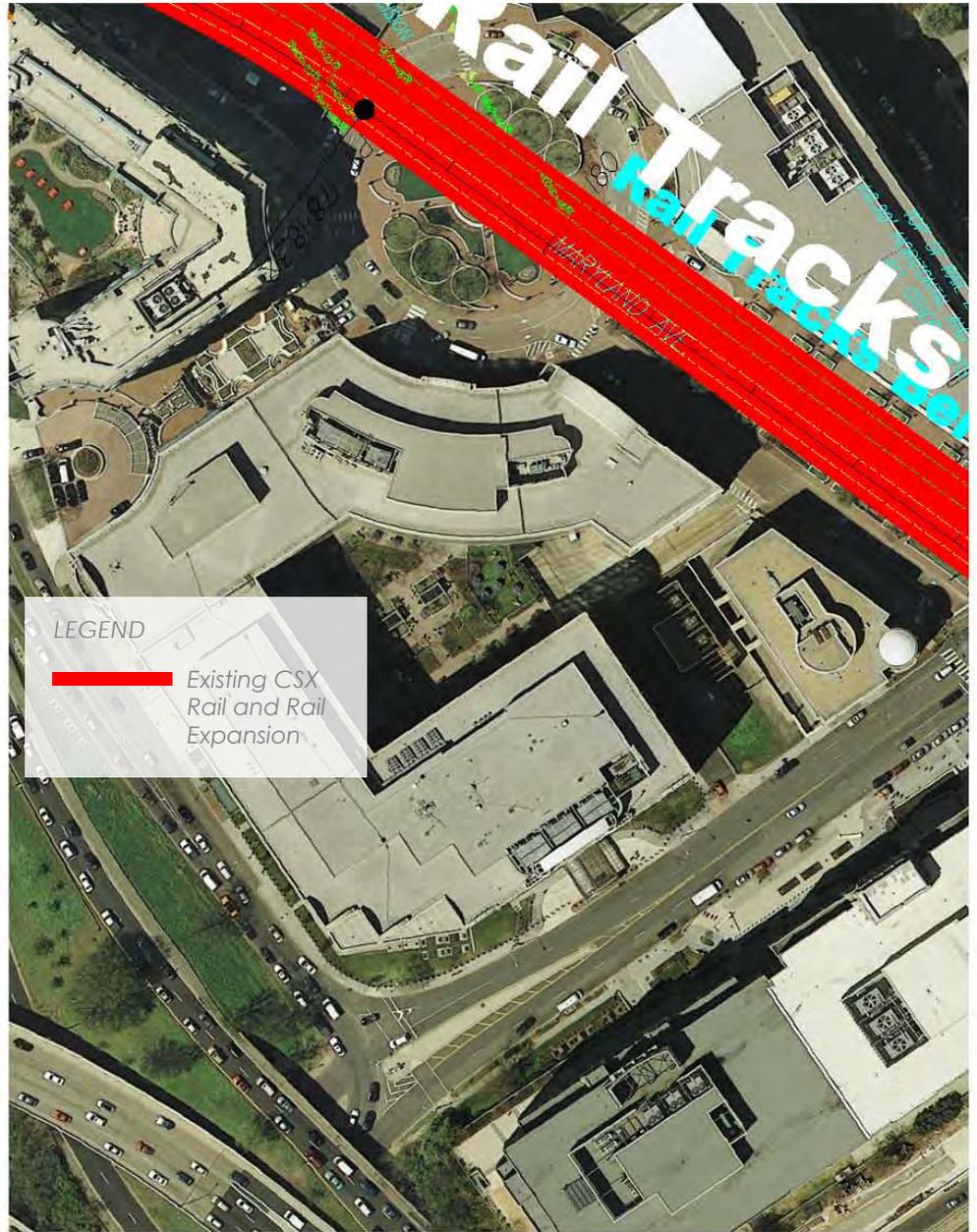
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175



Survey Points
Maryland Avenue

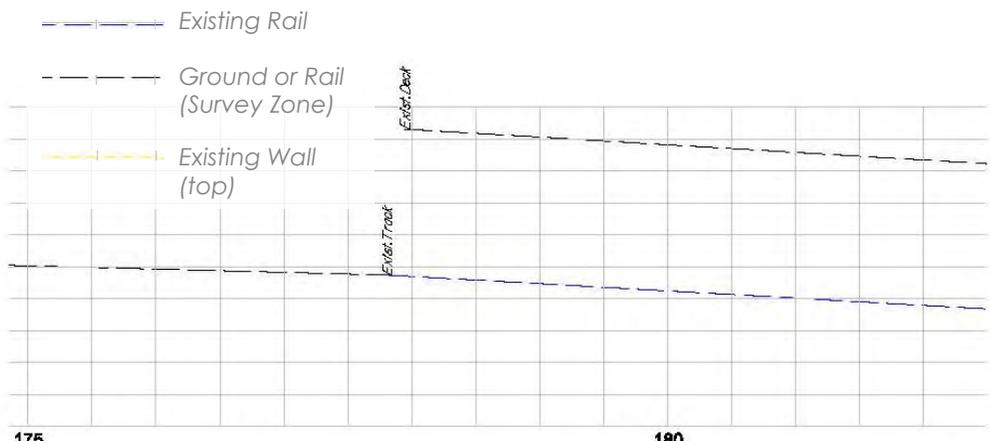
[See Next Page for Corresponding Railroad Profile]

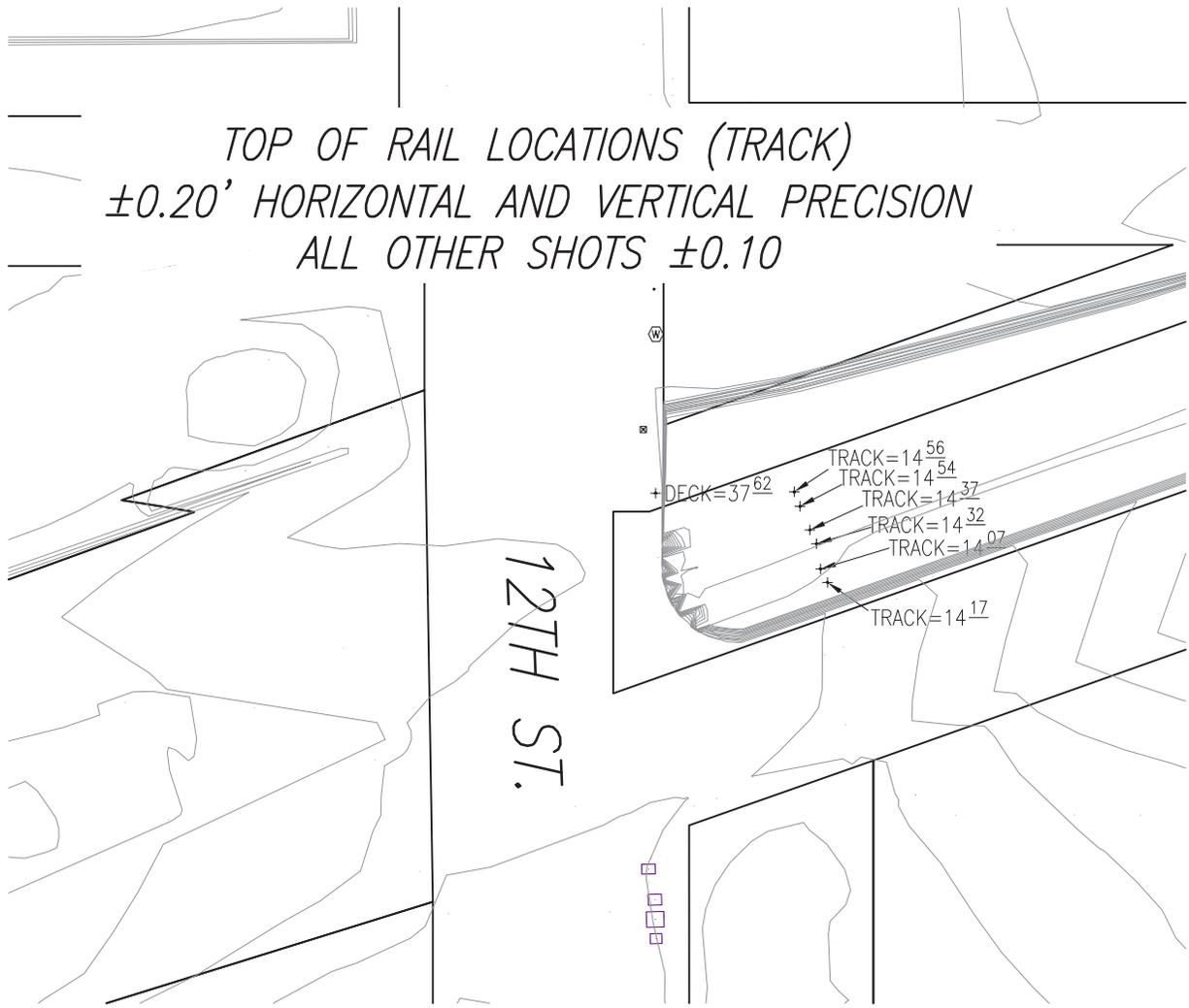


LEGEND

 Existing CSX Rail and Rail Expansion

LEGEND





Survey Points
12th Street

[See Next Page for Corresponding Railroad Profile]

