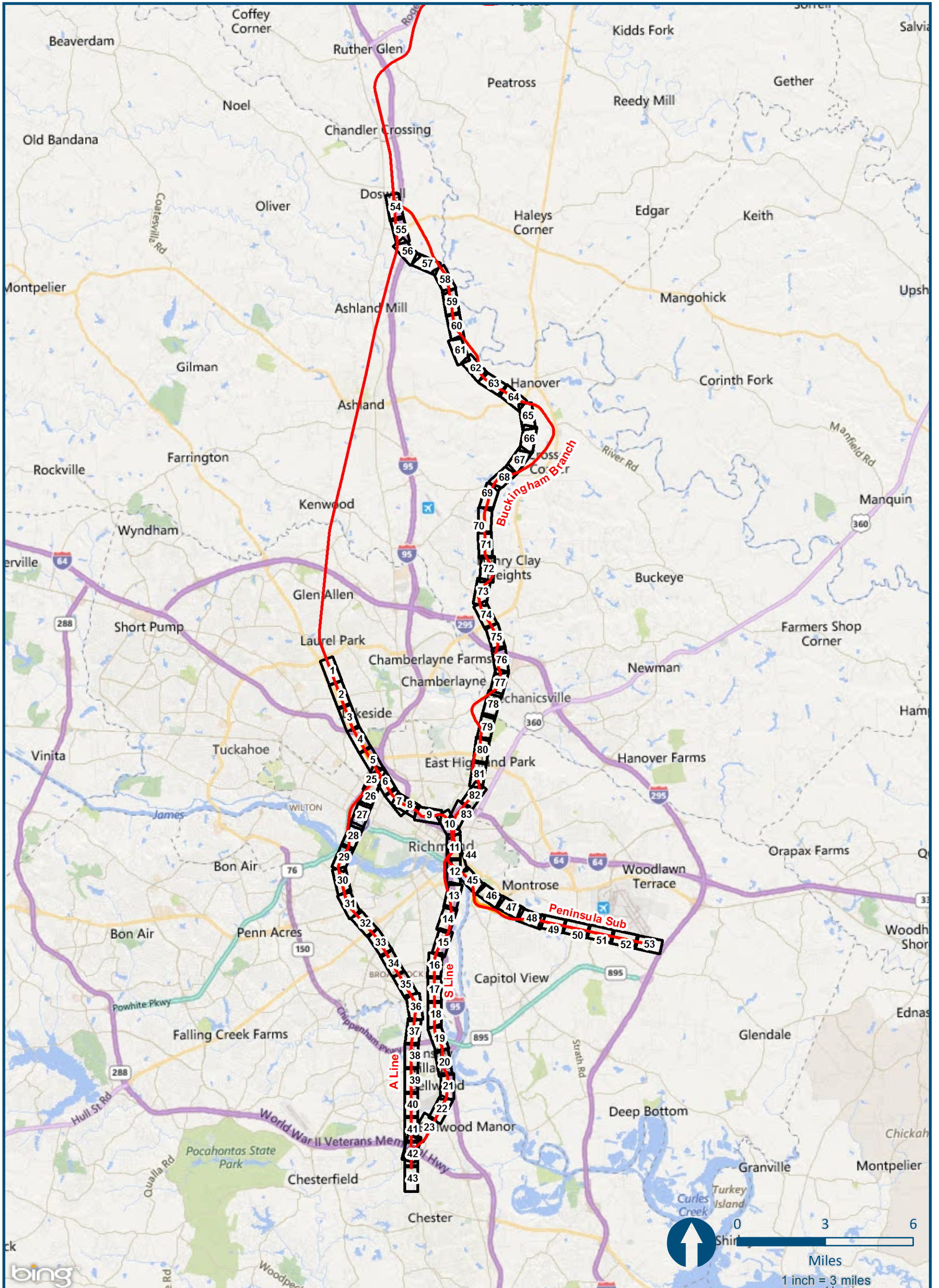


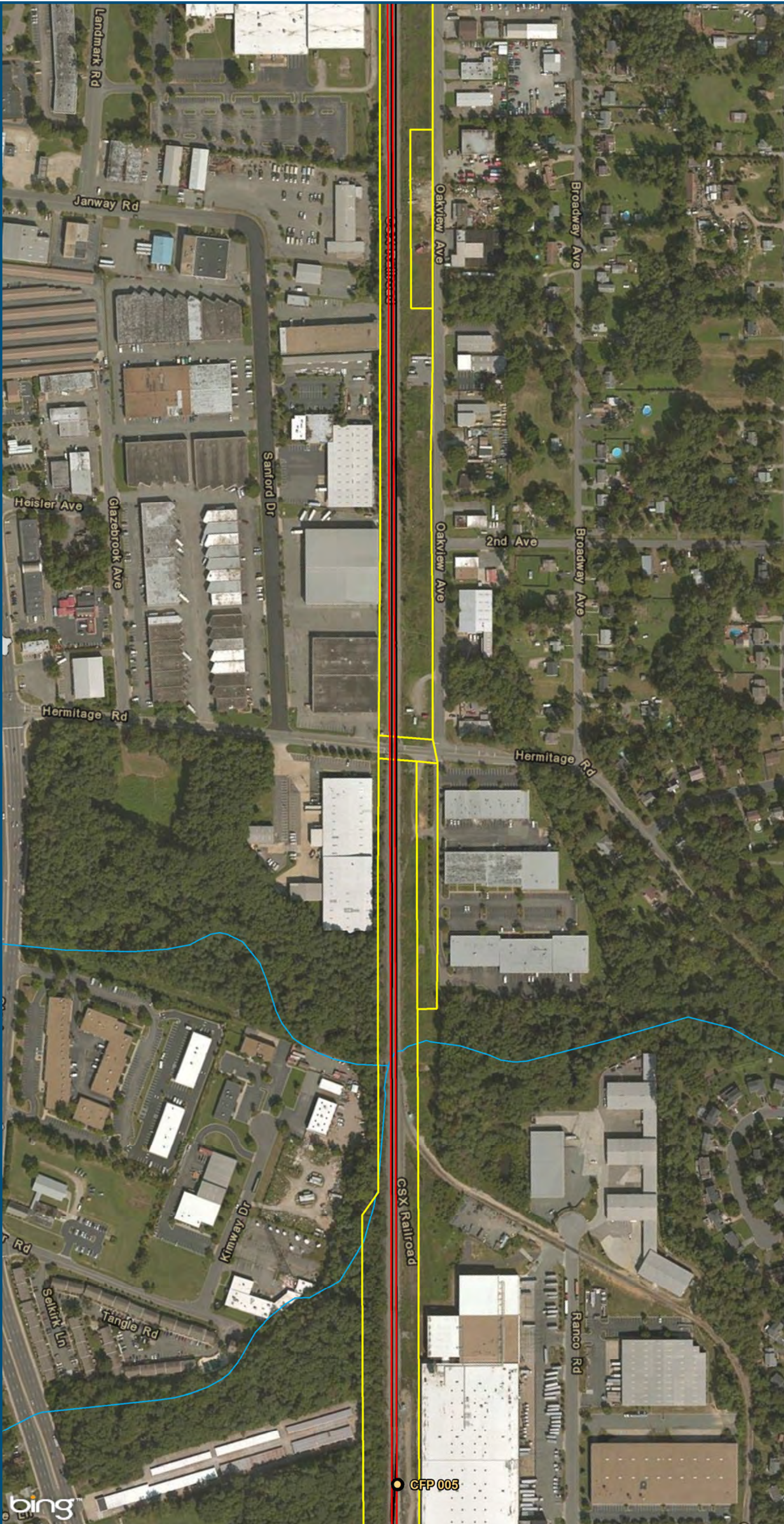
Richmond, Virginia (RIC) Project Section Unconstrained Alignment Option Index Map



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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-1
Richmond Segment
Unconstrained
Alignment Option



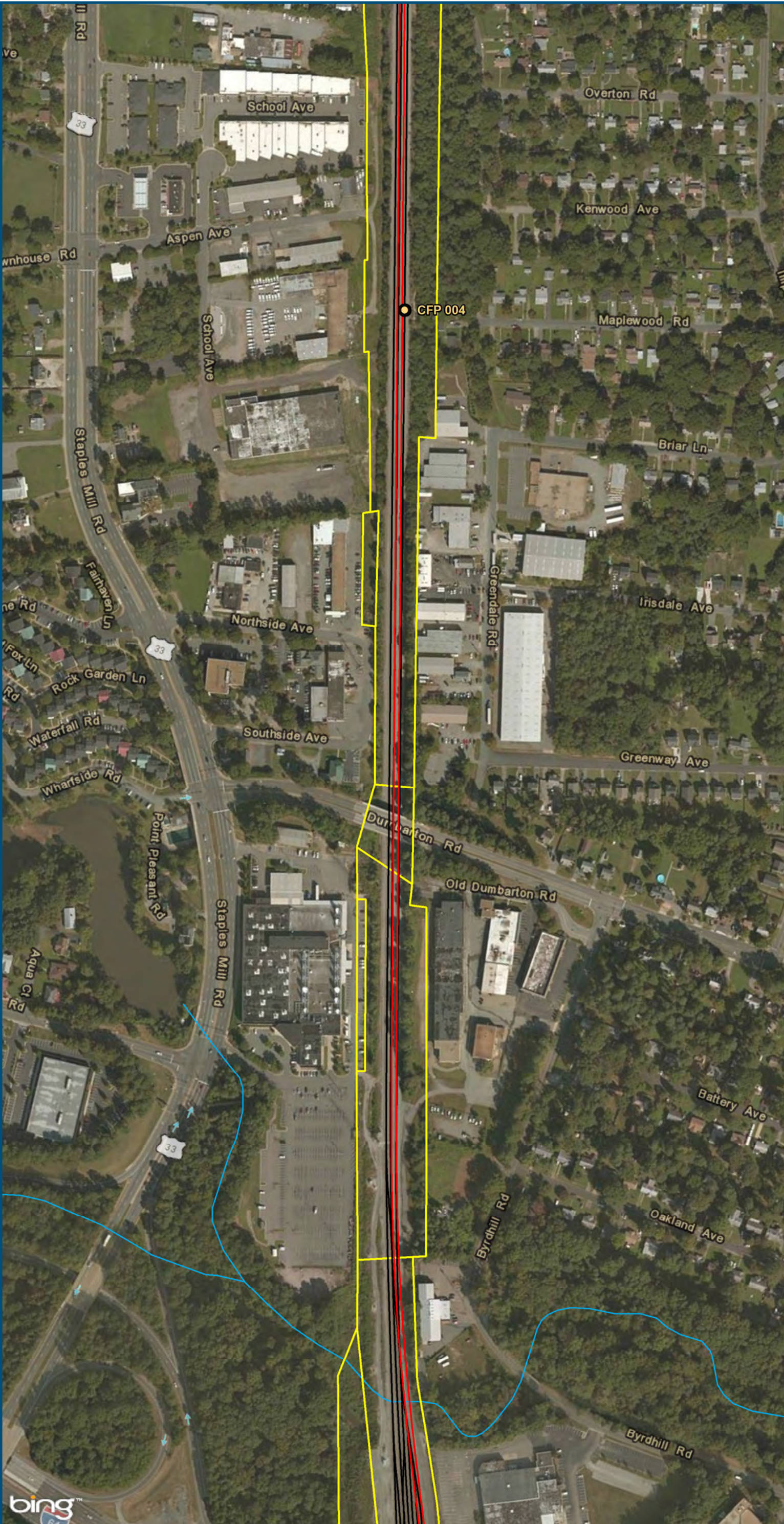
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 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- Amtrak Station
 - CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-2
Richmond Segment
Unconstrained
Alignment Option

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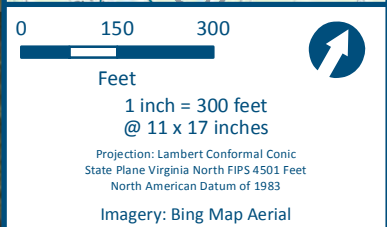
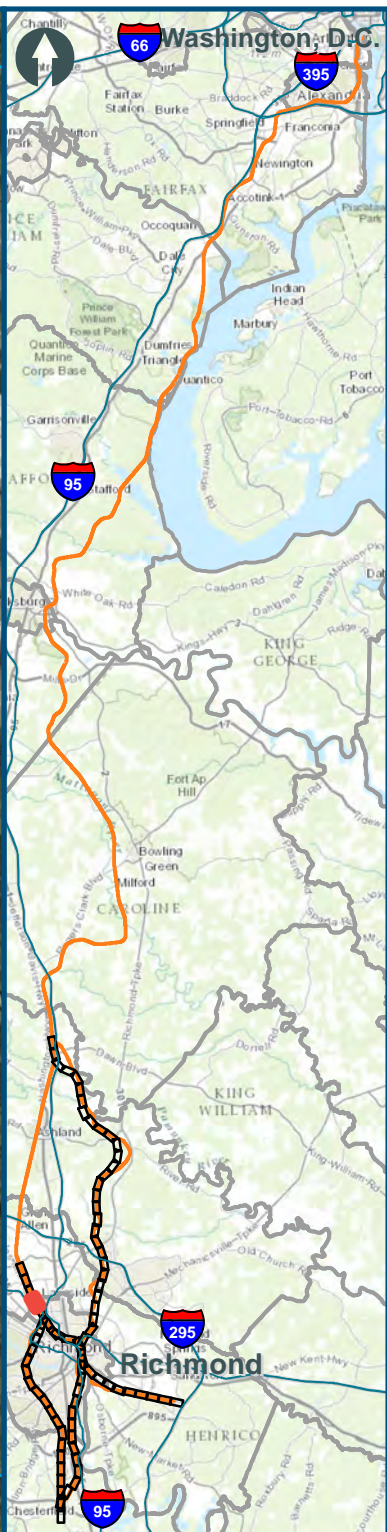
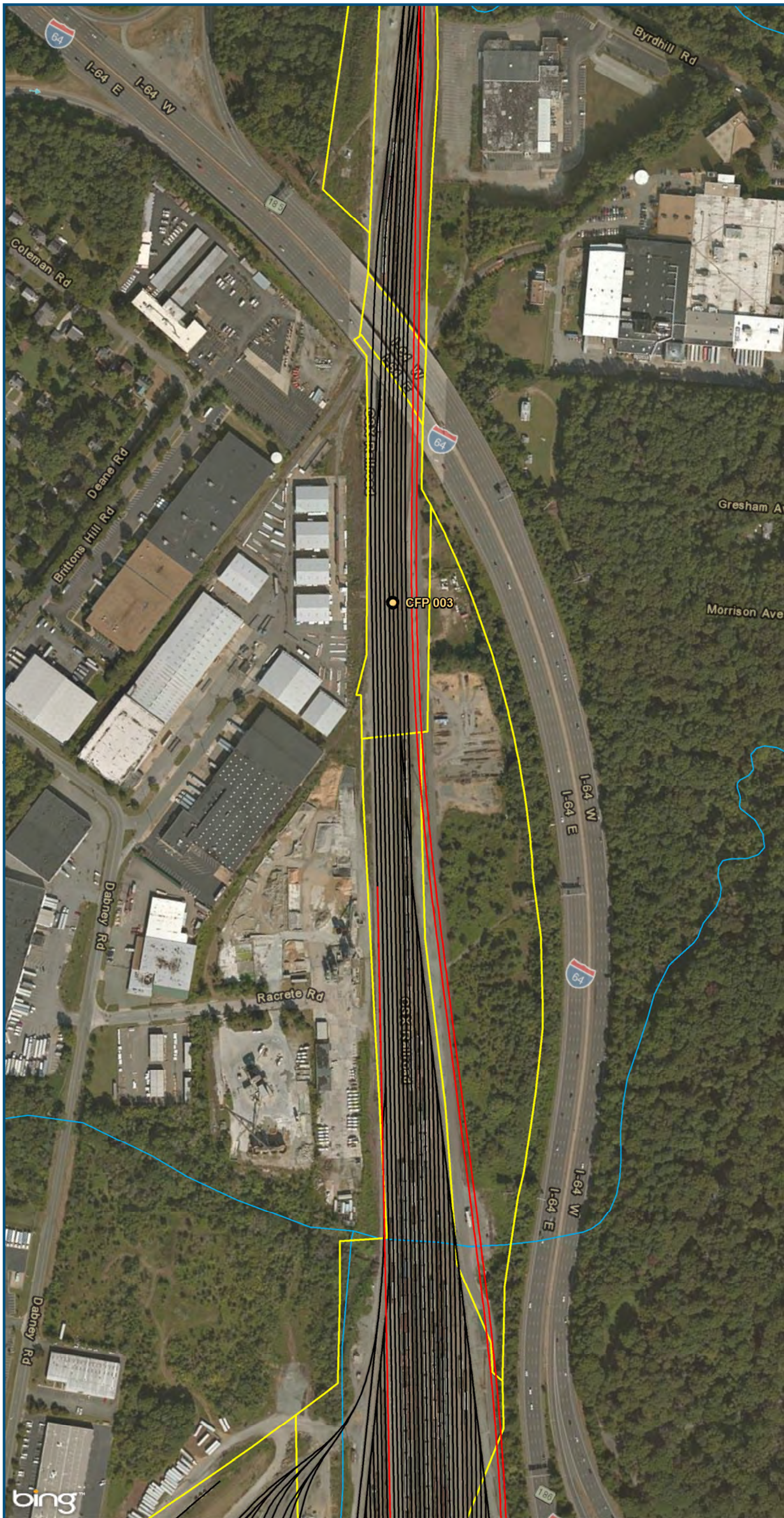


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-3
Richmond Segment
Unconstrained
Alignment Option

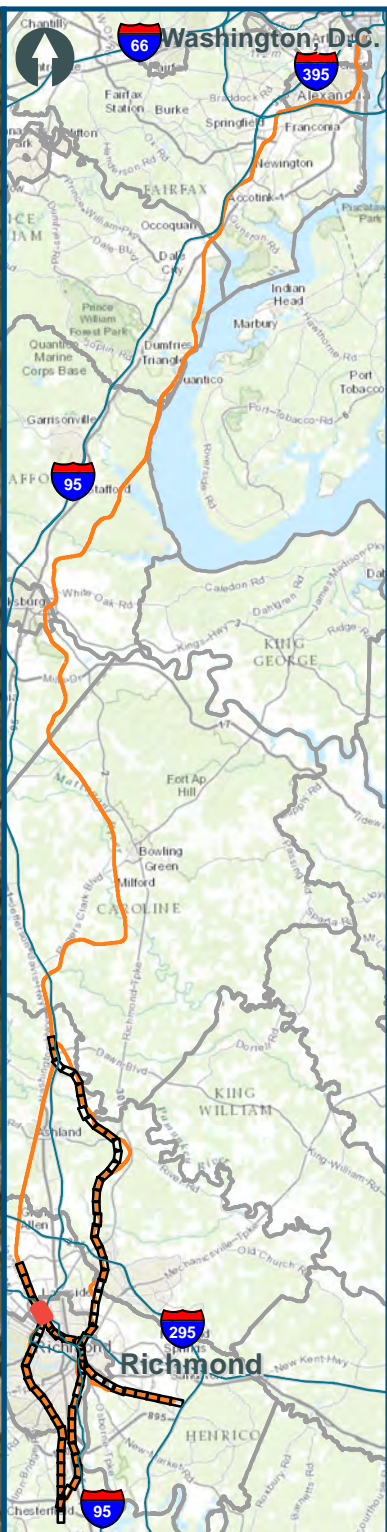
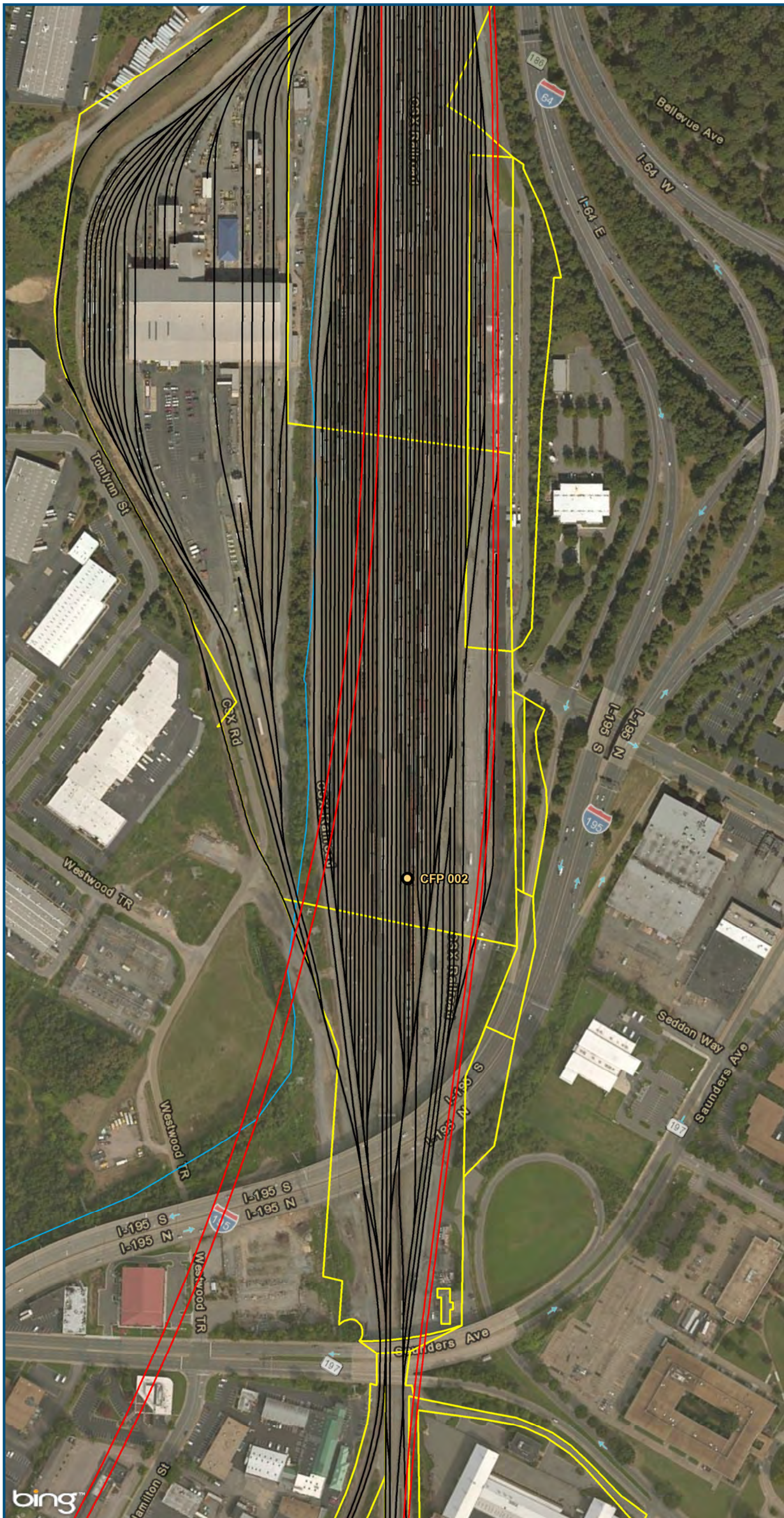
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-4
Richmond Segment
Unconstrained
Alignment Option

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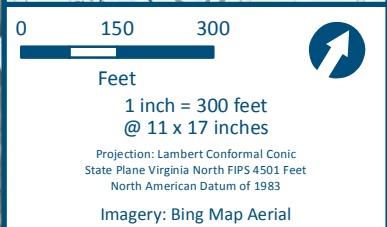
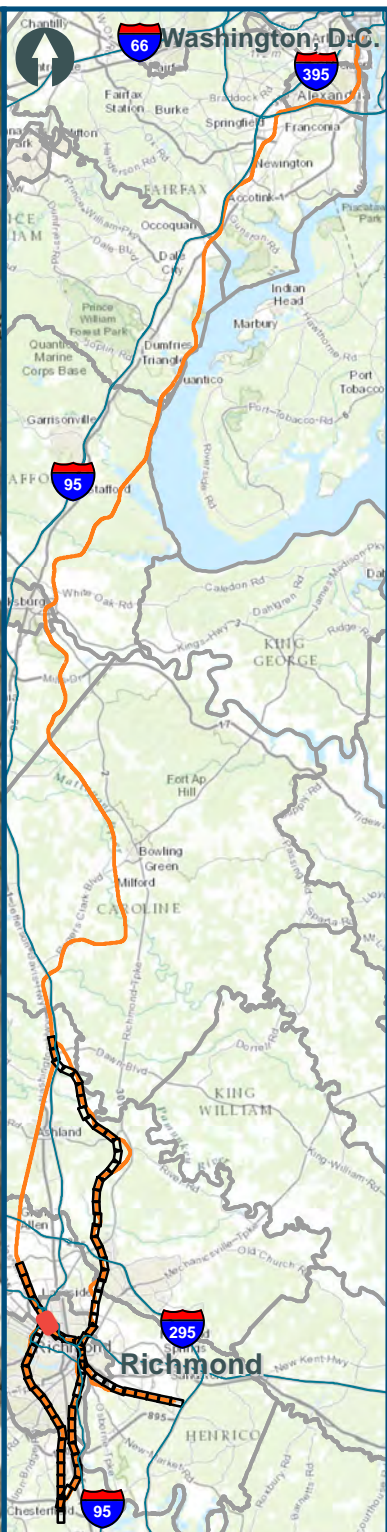


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-5
Richmond Segment
Unconstrained
Alignment Option

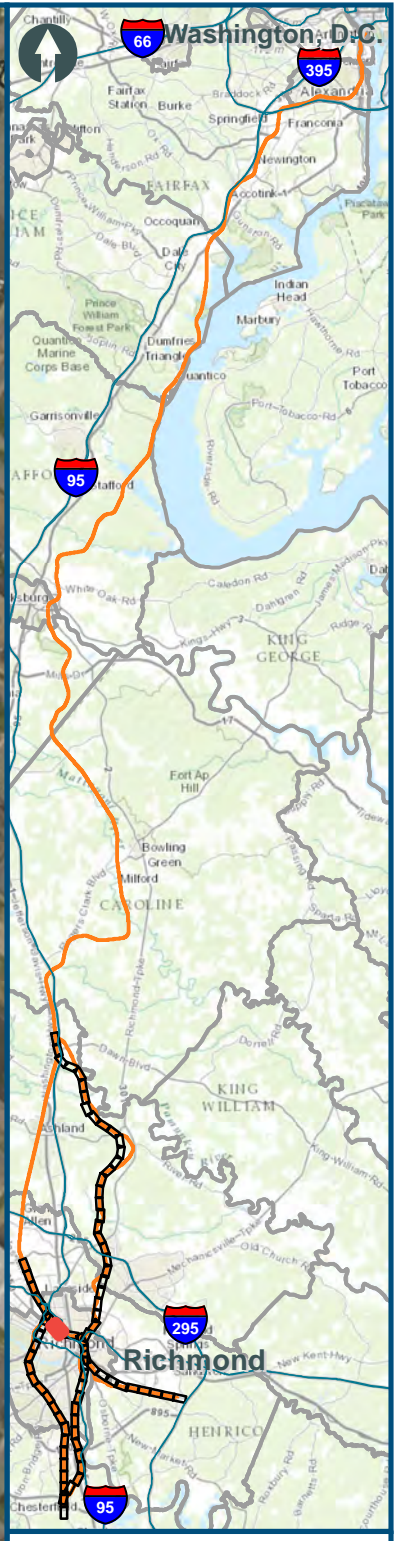
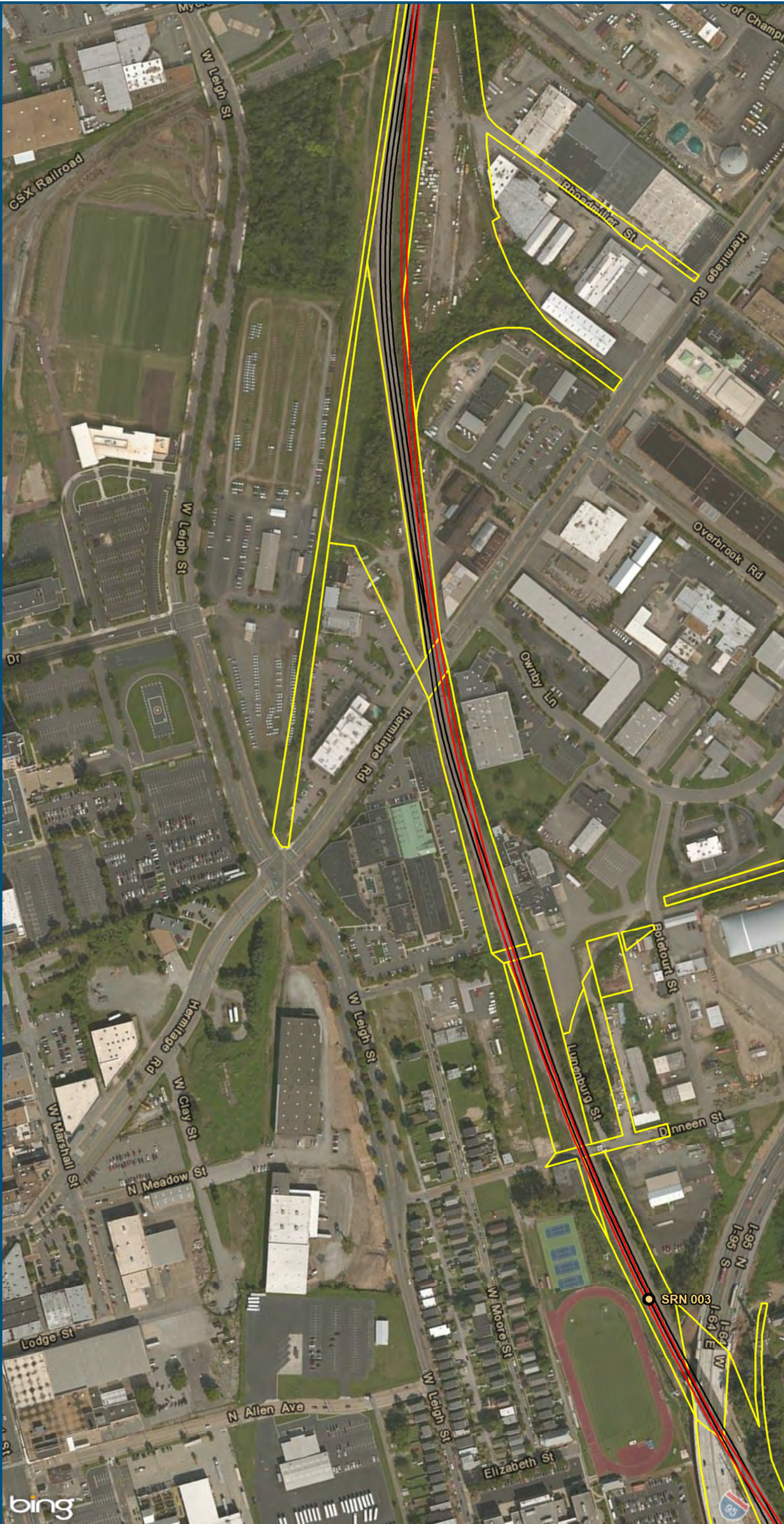
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

**Figure W-6
Richmond Segment
Unconstrained
Alignment Option**

\\cslmain\gis_data\GIS\Projects\011545_VADepot\Railis-Public\Transportation\0239056_RAPS-4\Dev-Concept\Eng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015

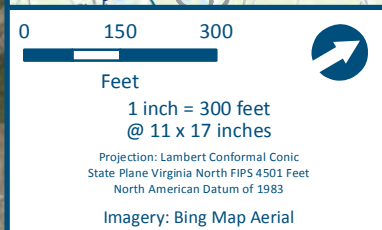
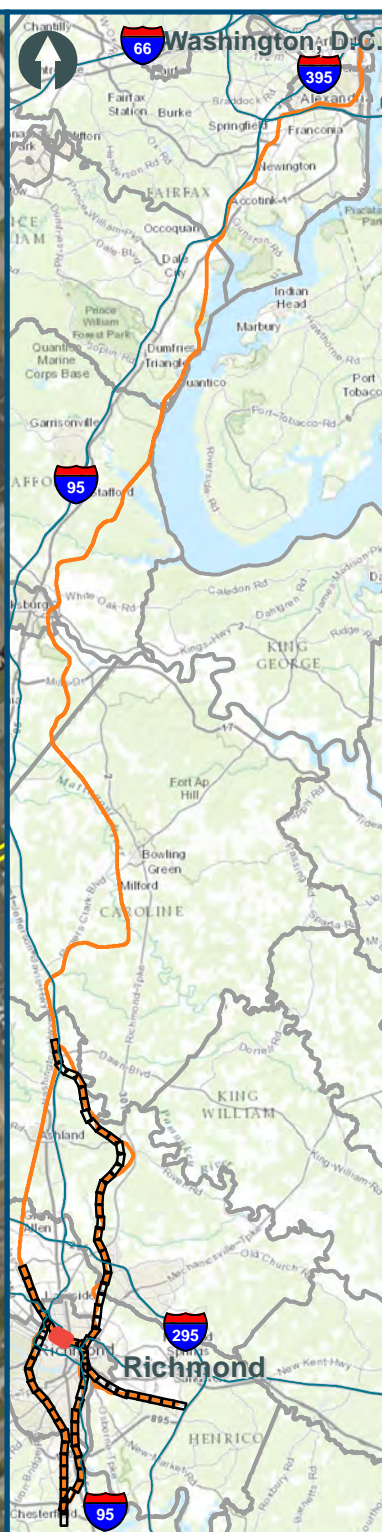
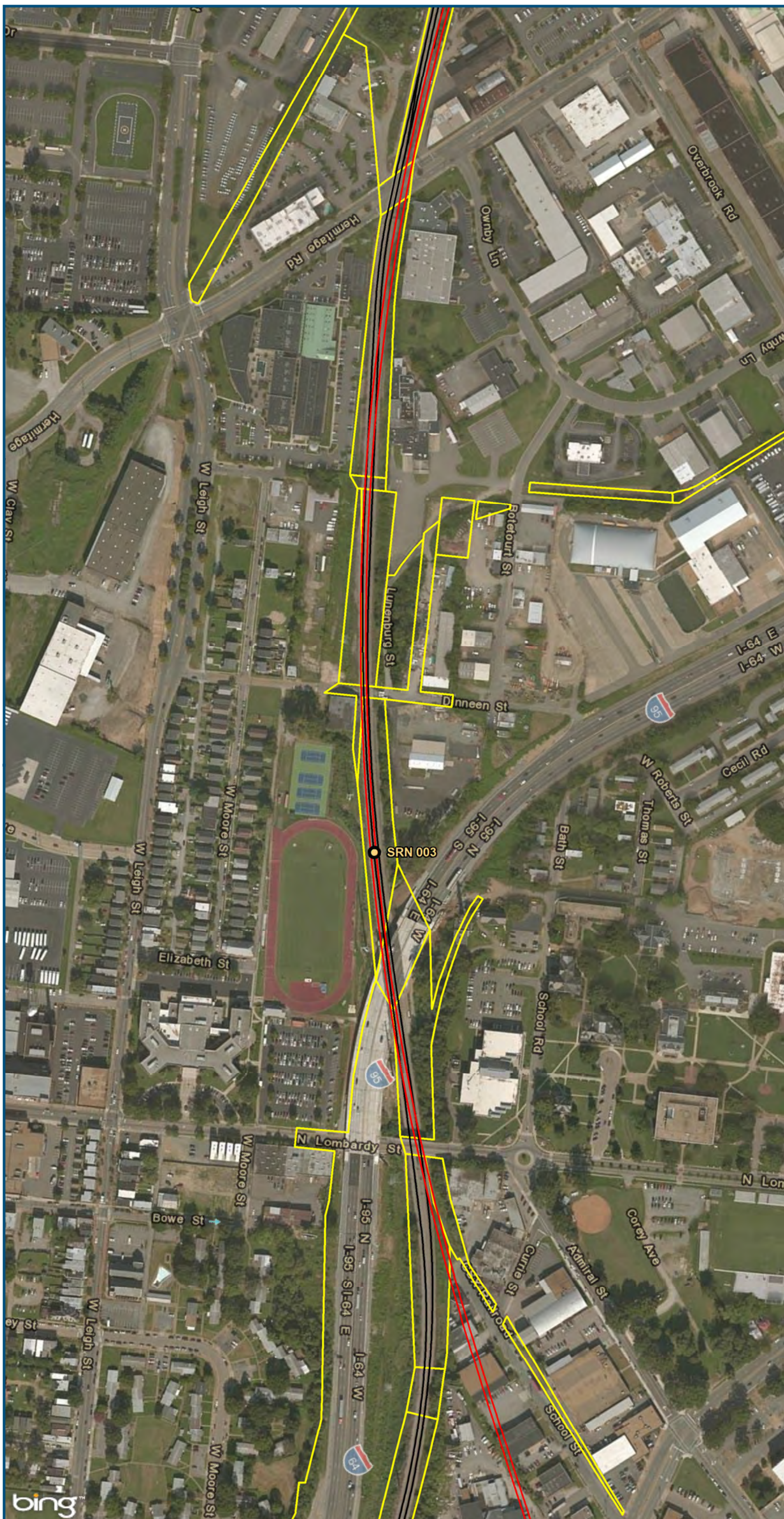


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-7
Richmond Segment
Unconstrained
Alignment Option

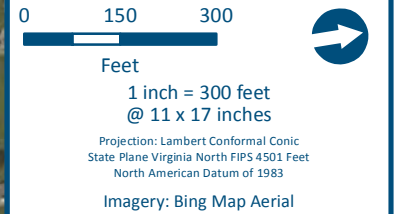
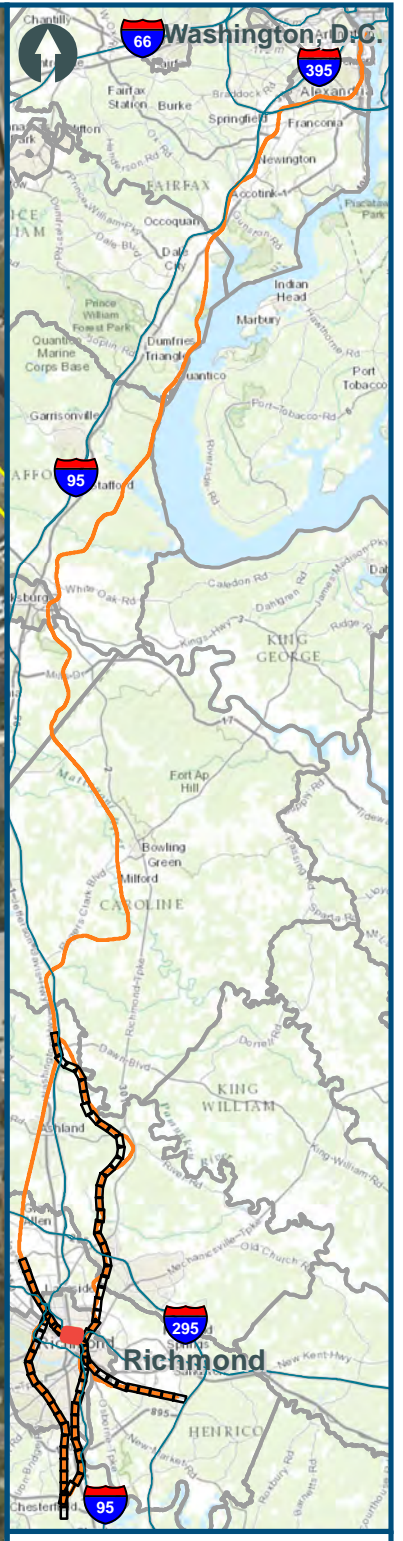
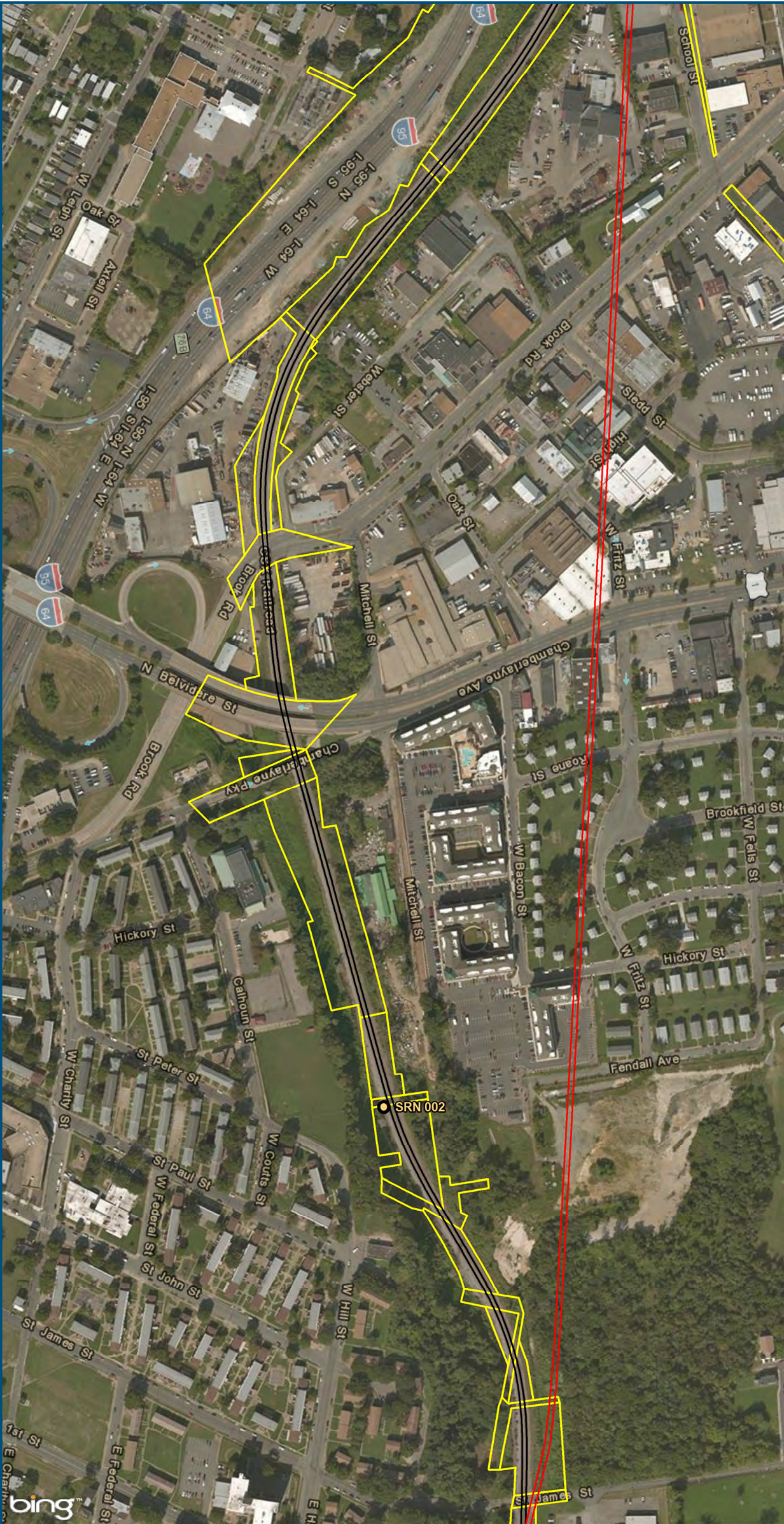
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- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-8
Richmond Segment
Unconstrained
Alignment Option

\\cslsmain\gis_data\GIS\Projects\011545_VADepotofRails-PublicTransportation\0239056_RAPS-4\Dev-ConceptEng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015







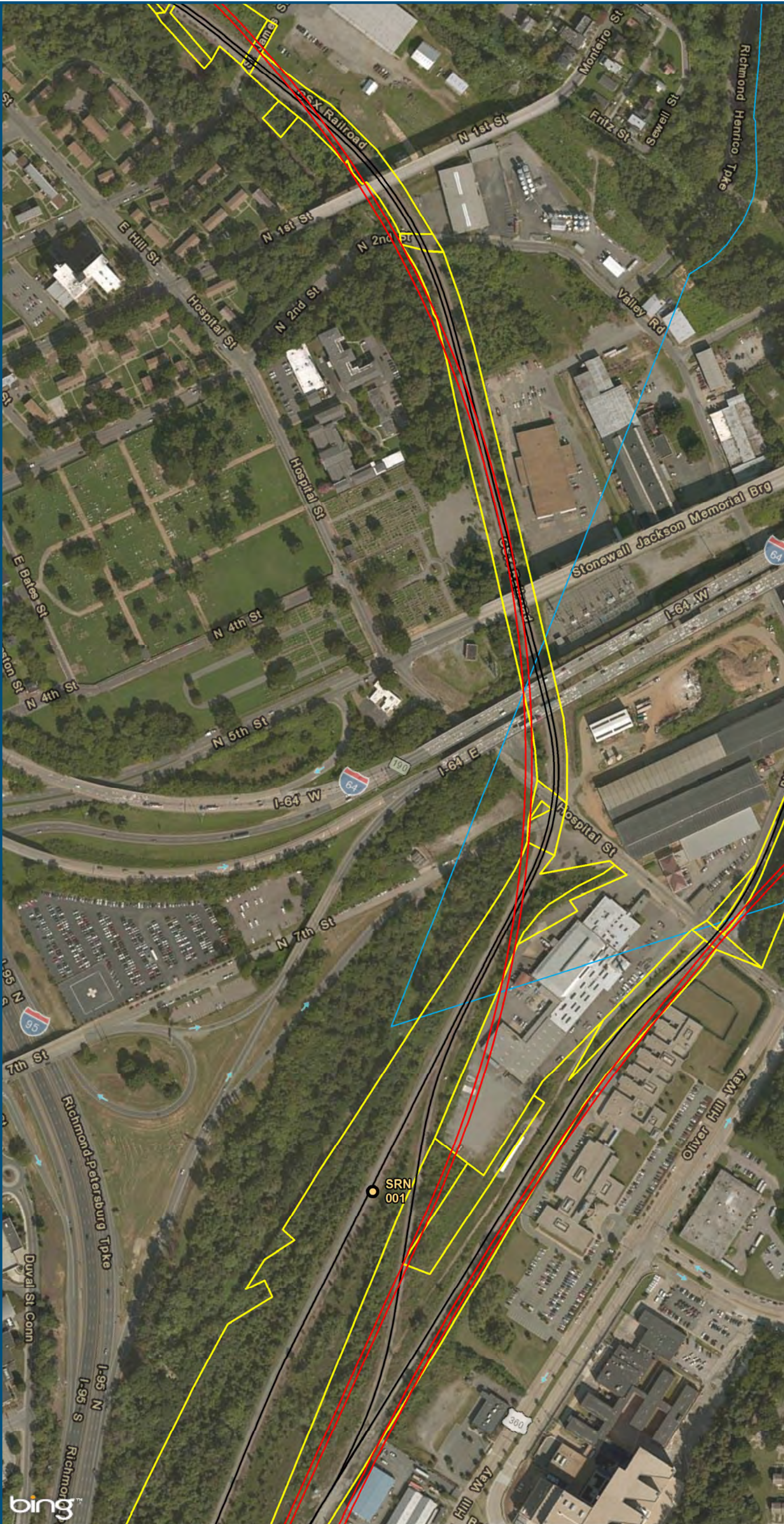
- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-9
Richmond Segment
Unconstrained
Alignment Option

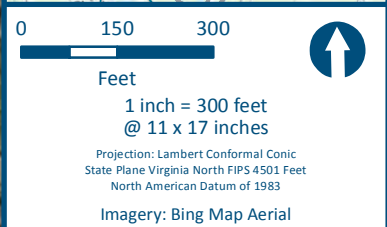
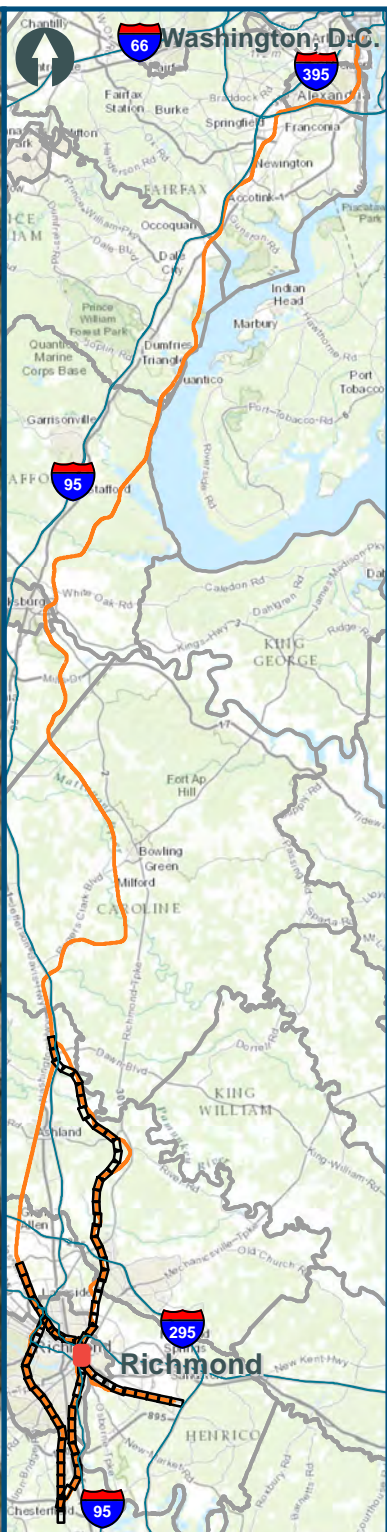
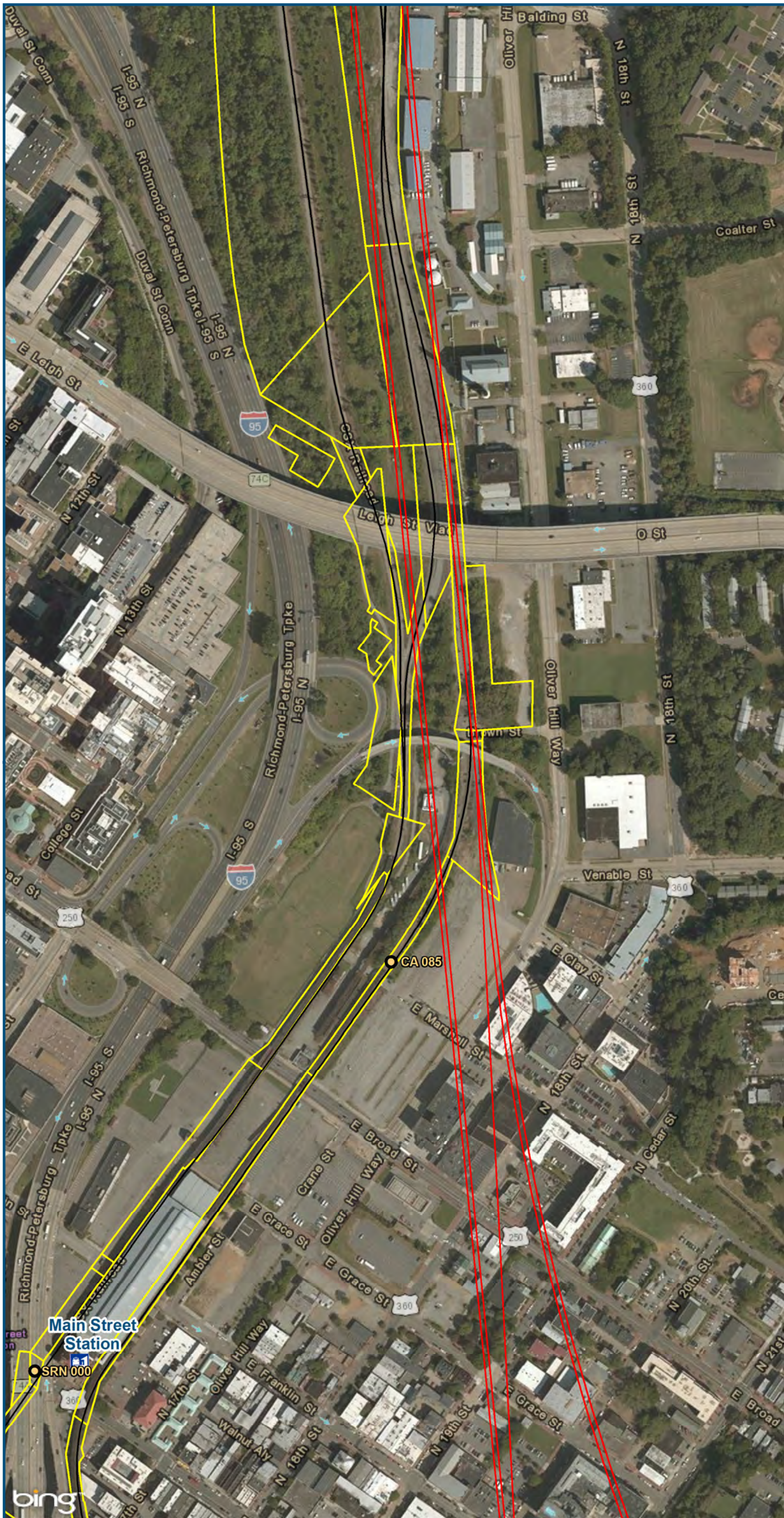
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0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-10
Richmond Segment
Unconstrained
Alignment Option



- Legend**
- Amtrak Station
 - CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-11
Richmond Segment
Unconstrained
Alignment Option

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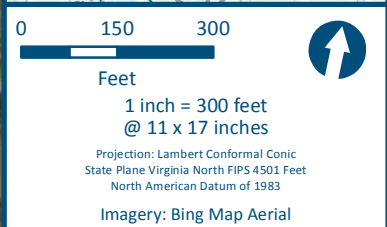
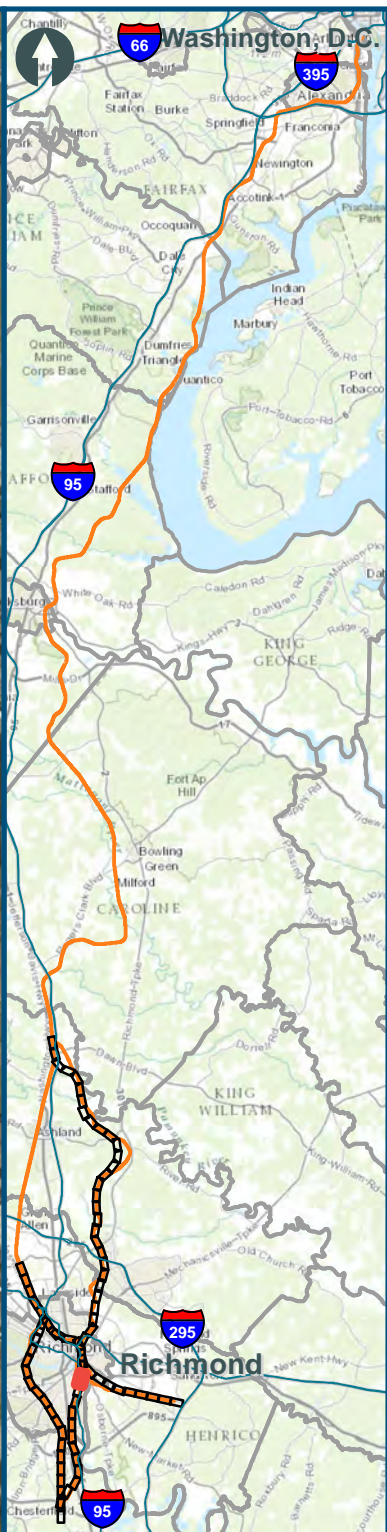
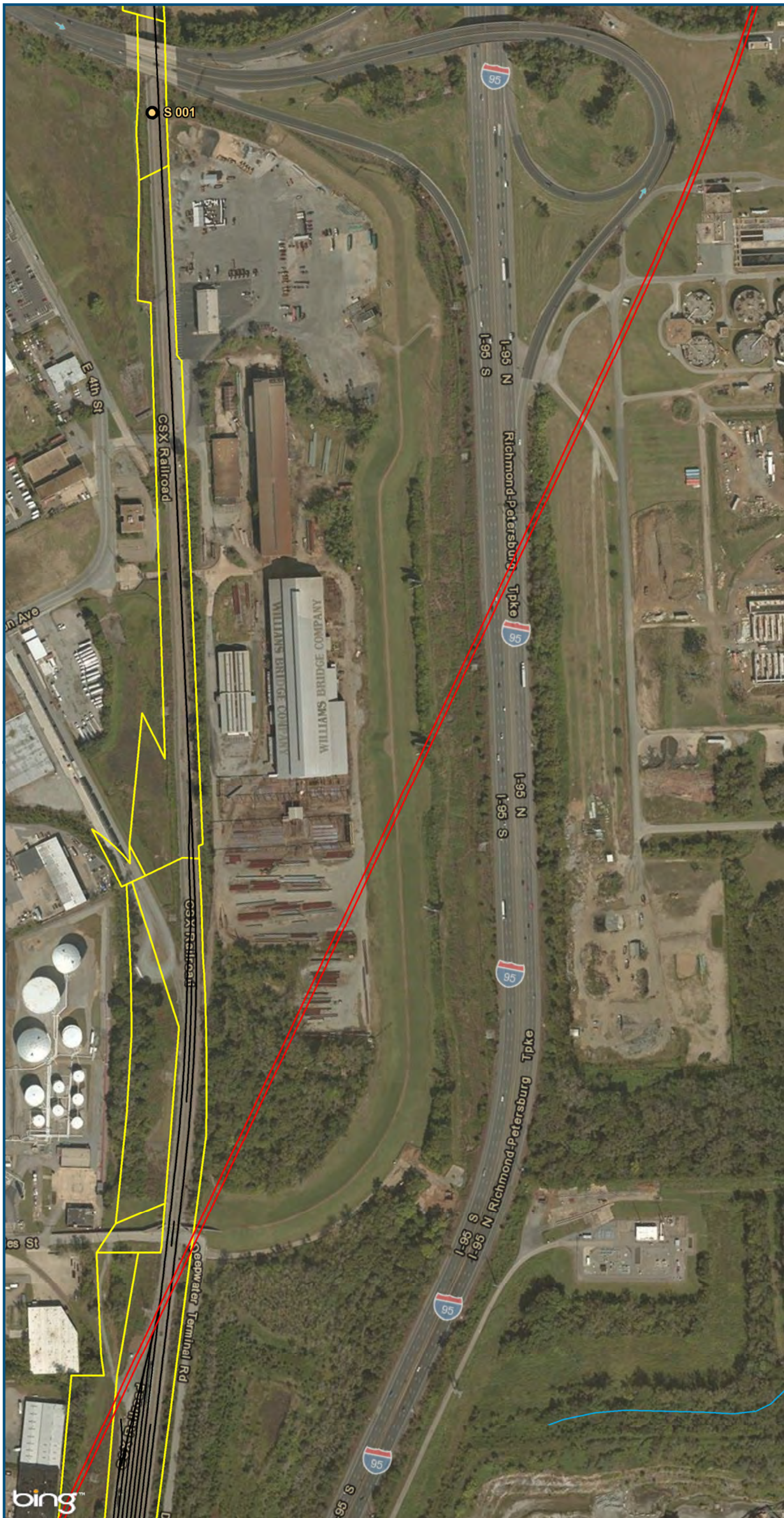


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-12
Richmond Segment
Unconstrained
Alignment Option

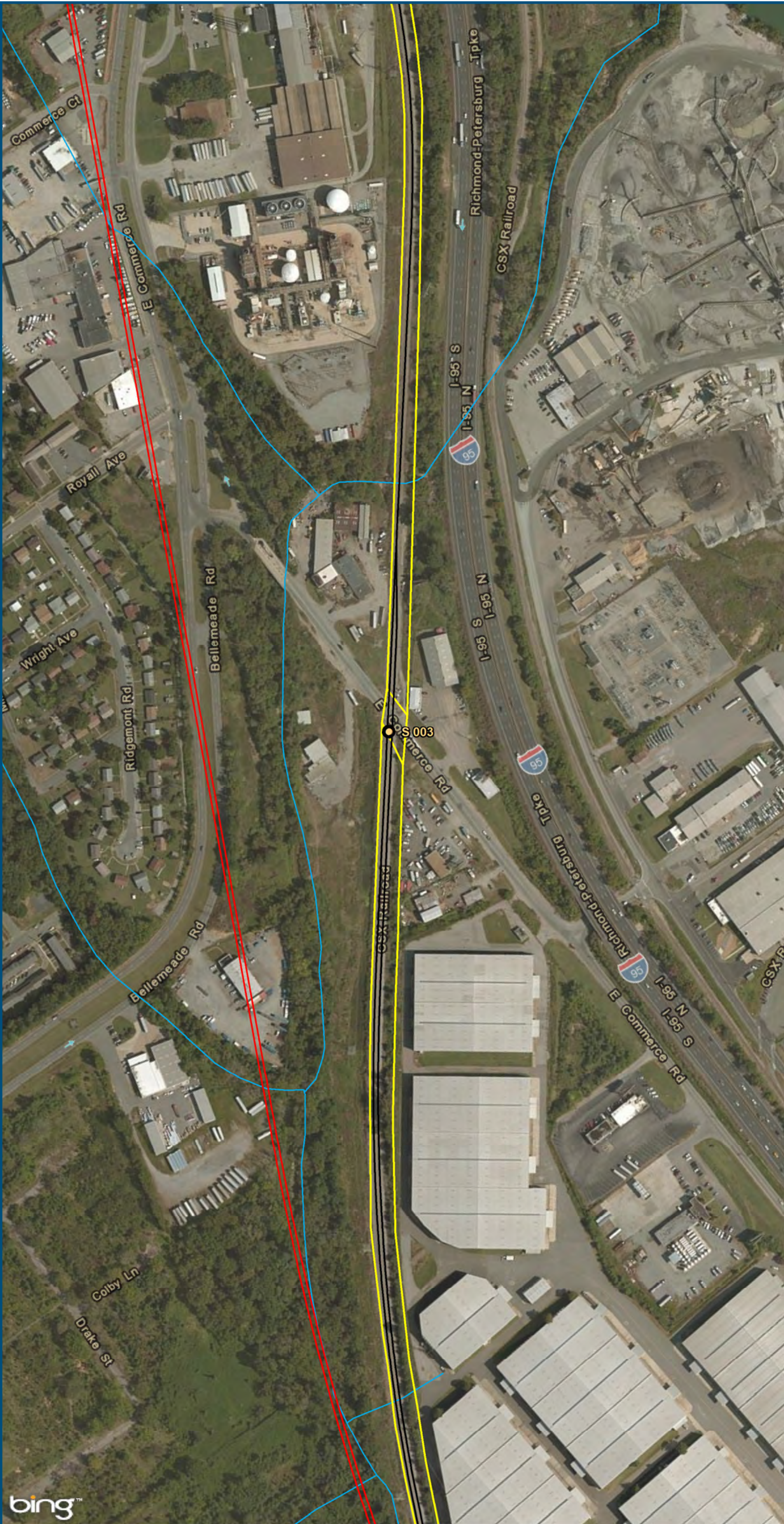
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-13
Richmond Segment
Unconstrained
Alignment Option

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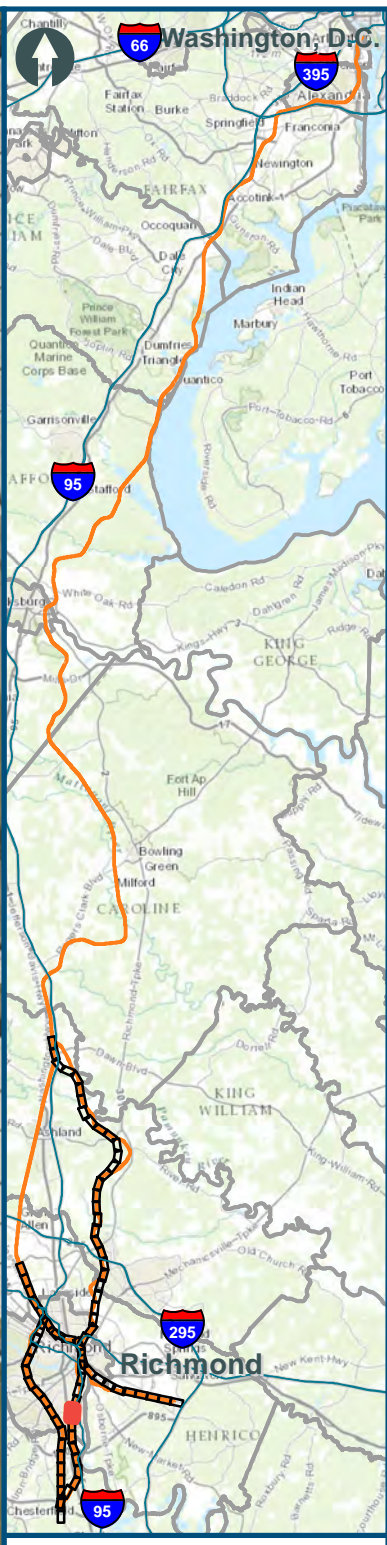
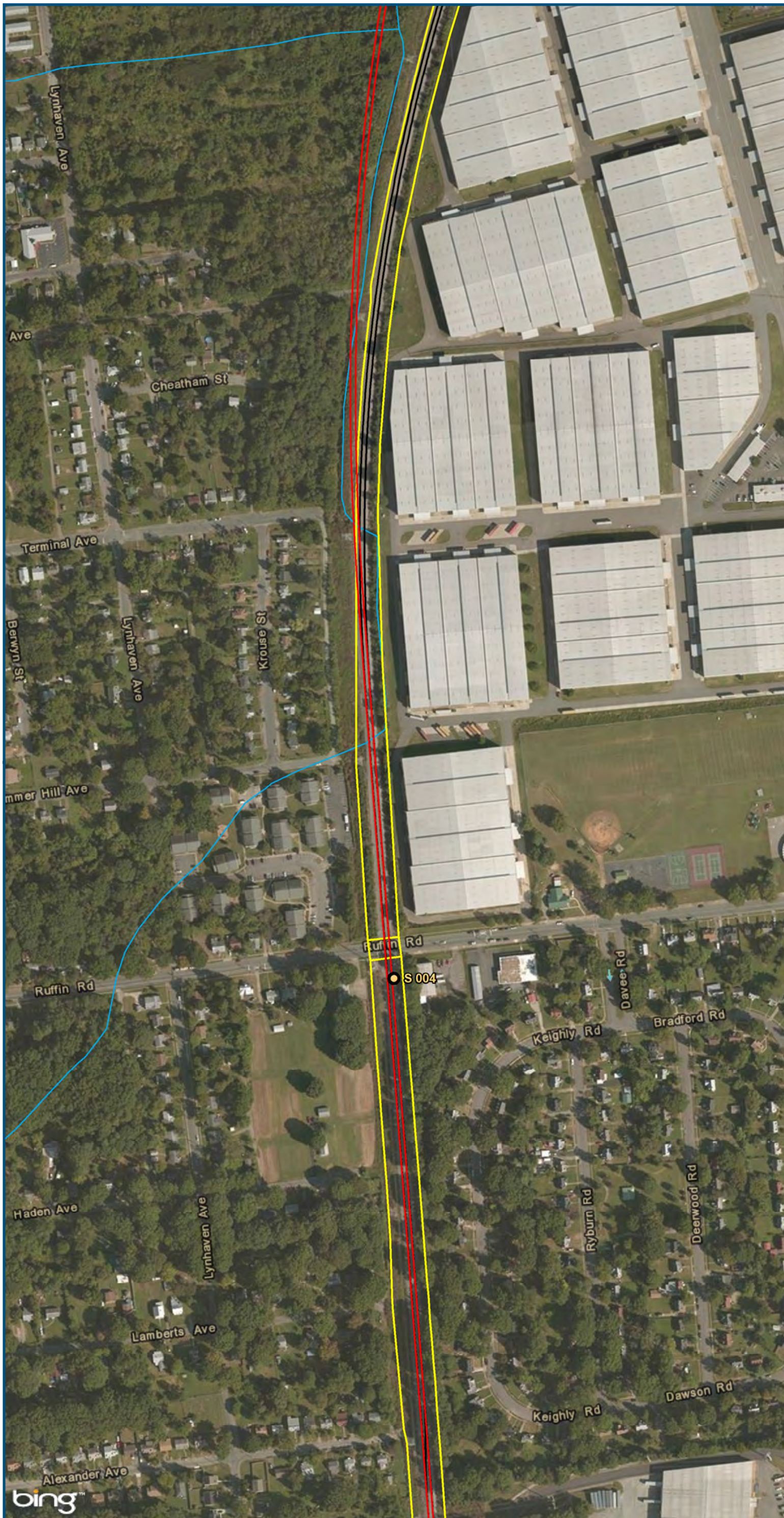


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-15
Richmond Segment
Unconstrained
Alignment Option

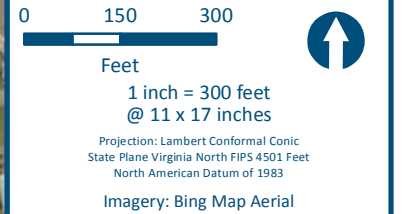
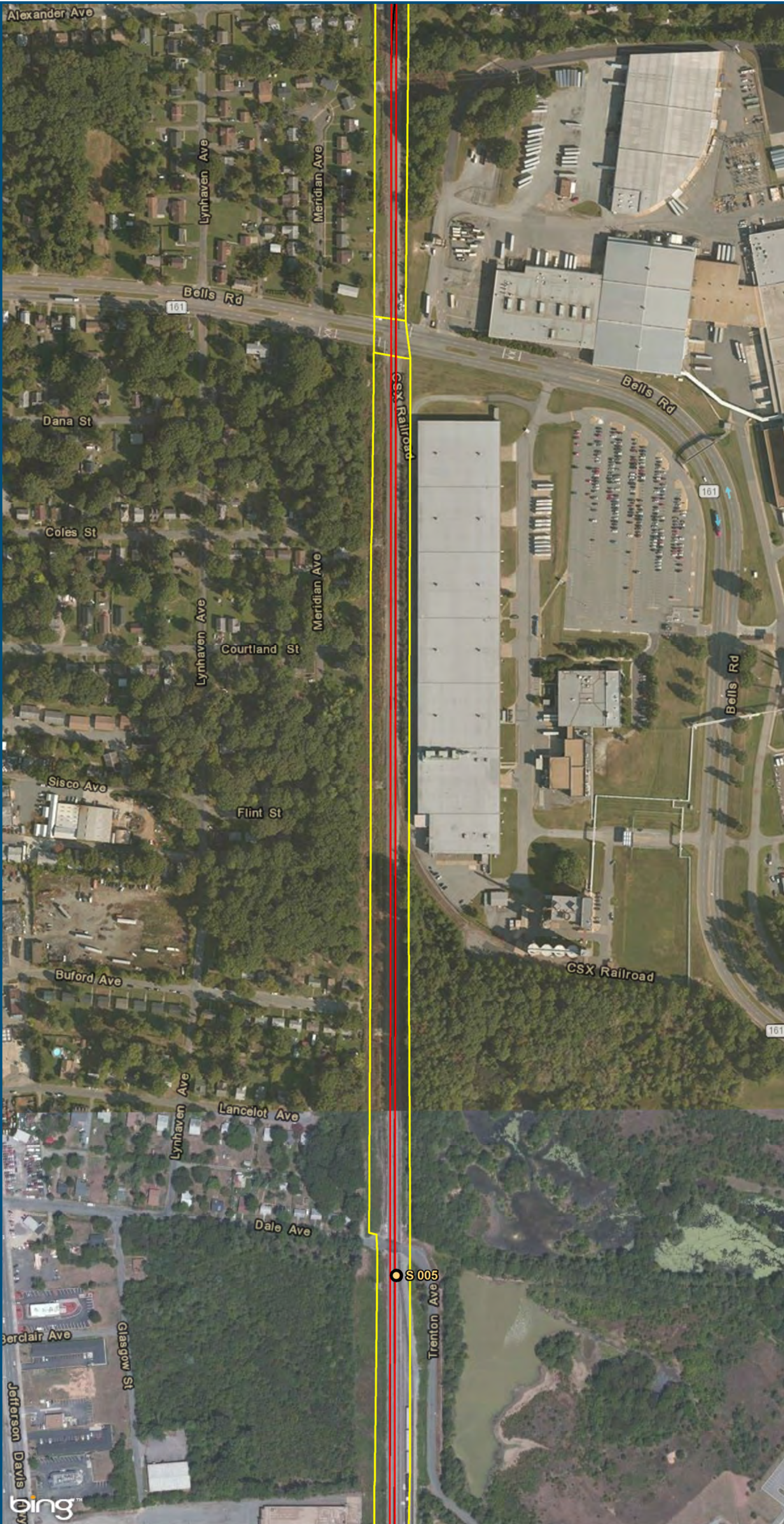
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-16
Richmond Segment
Unconstrained
Alignment Option

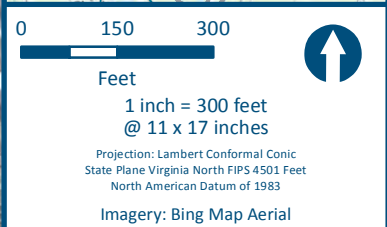
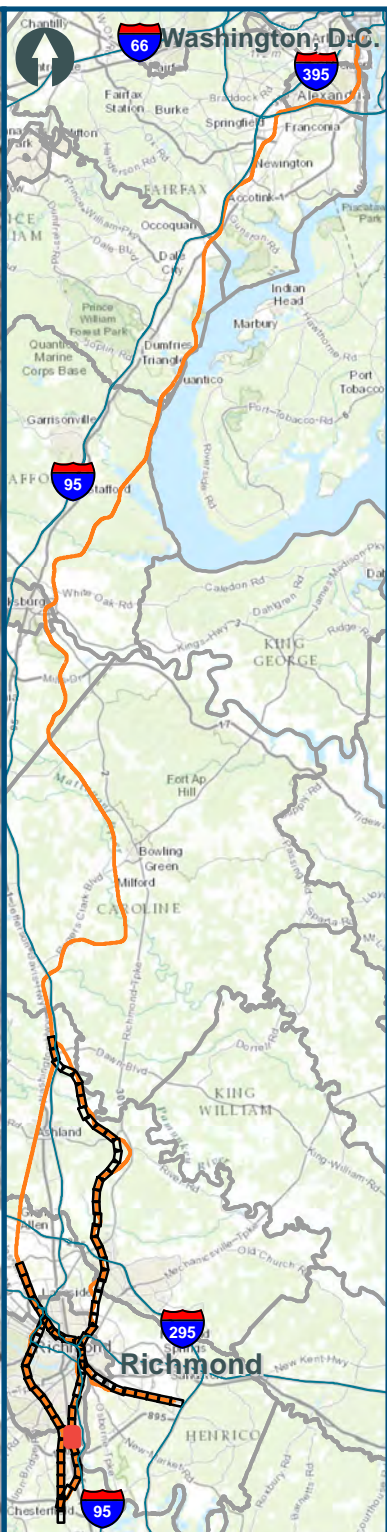
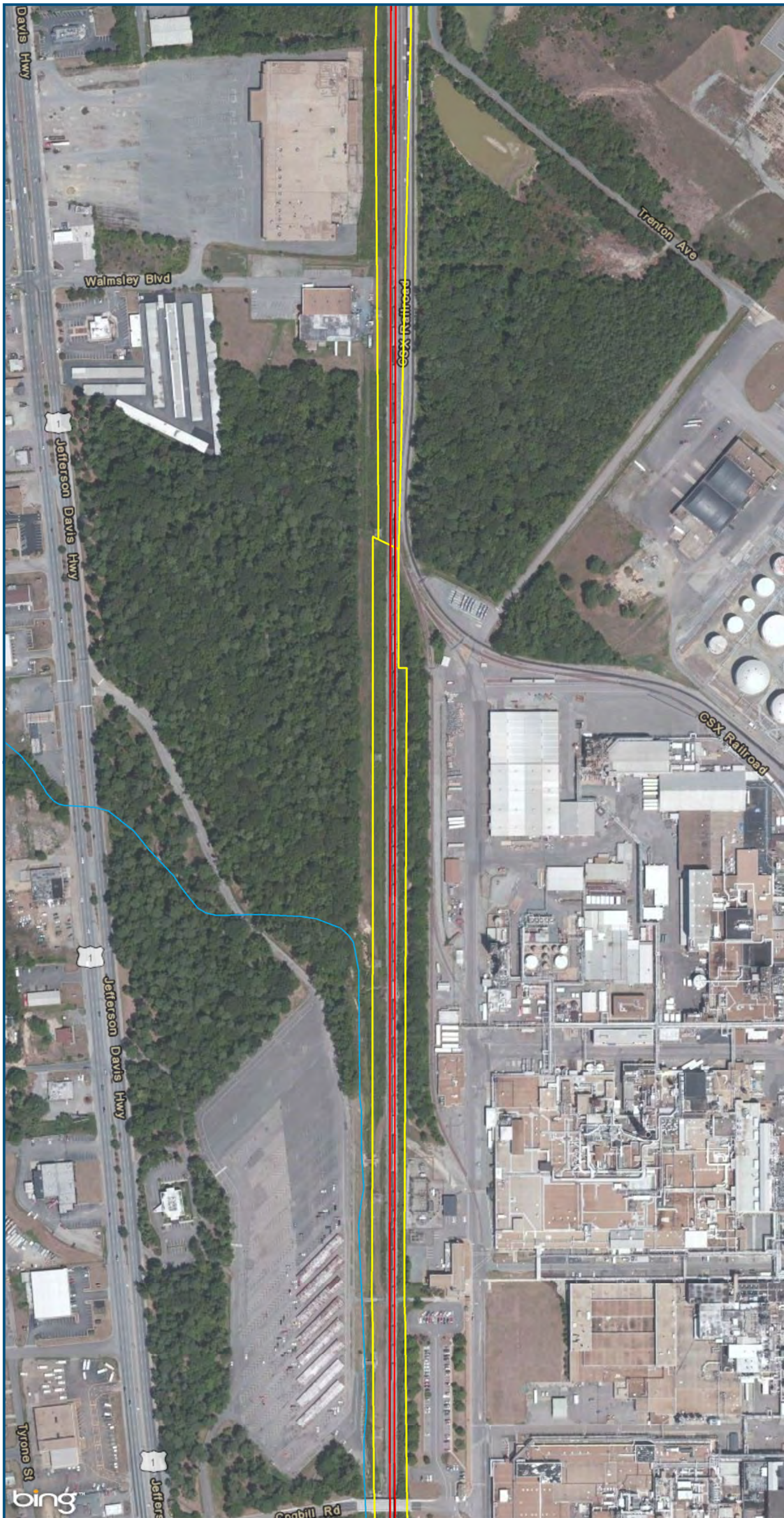


- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-17
Richmond Segment
Unconstrained
Alignment Option

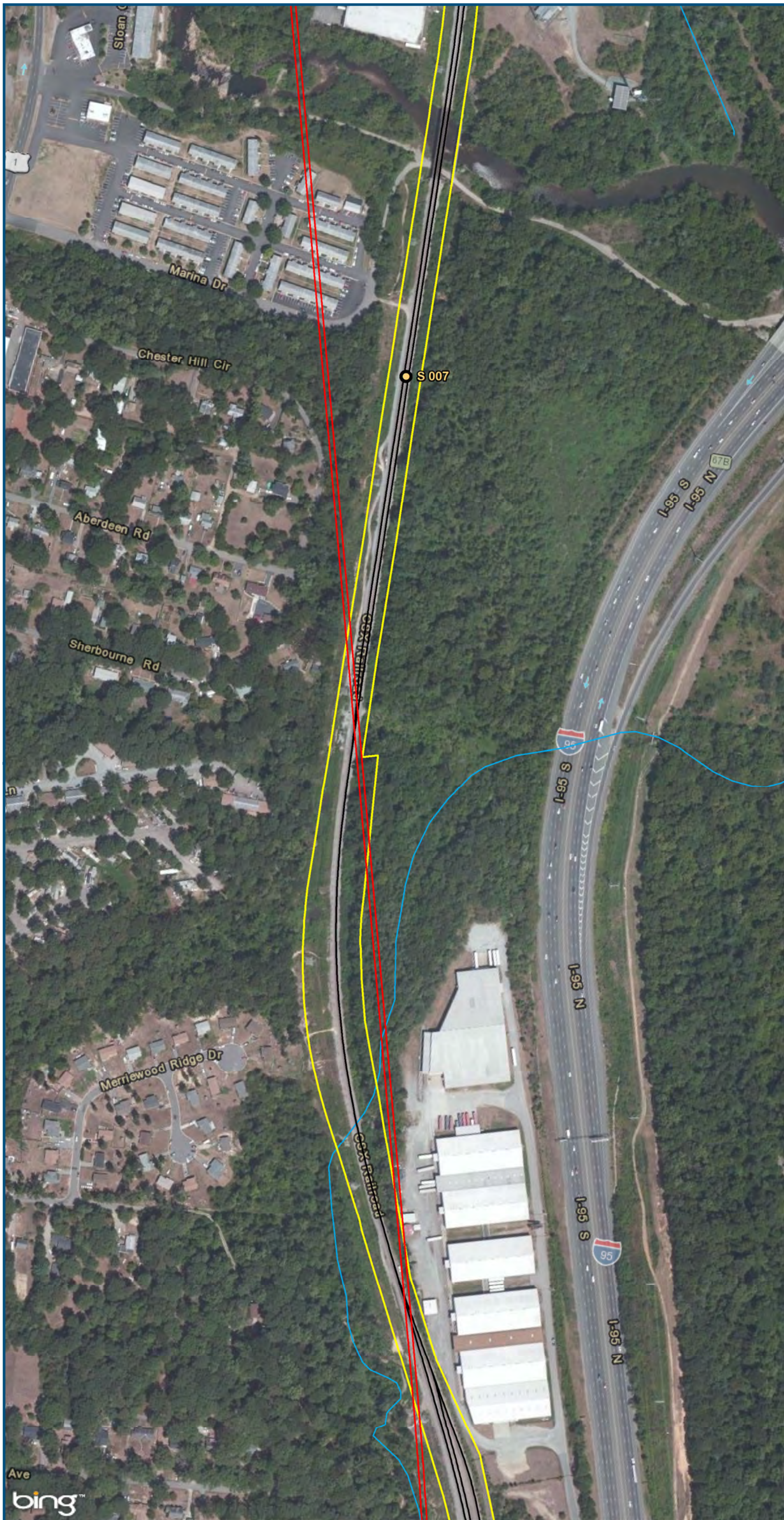
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-18
Richmond Segment
Unconstrained
Alignment Option

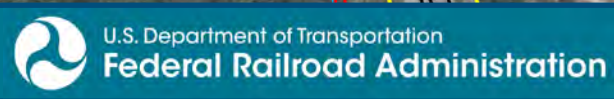


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-20
Richmond Segment
Unconstrained
Alignment Option

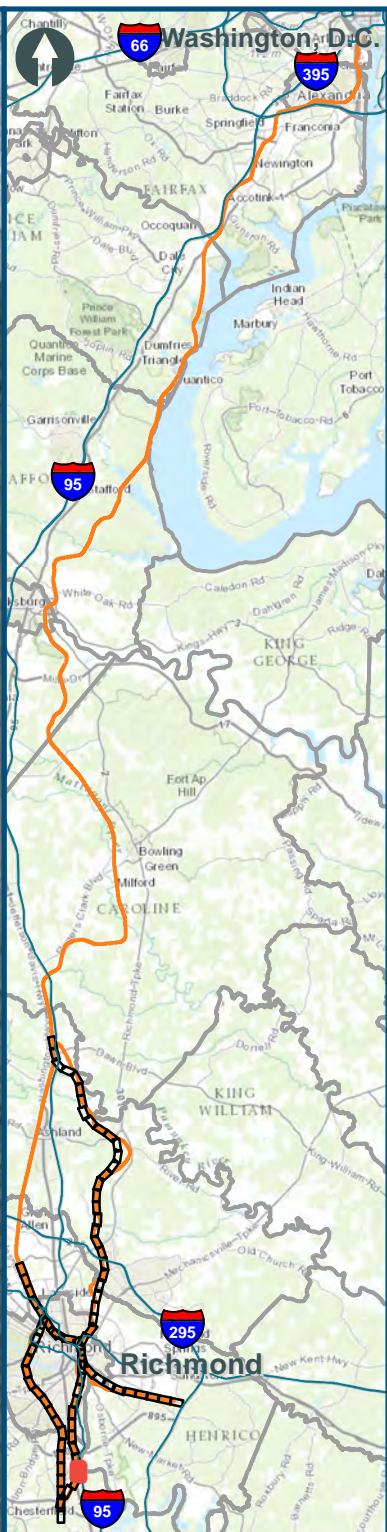
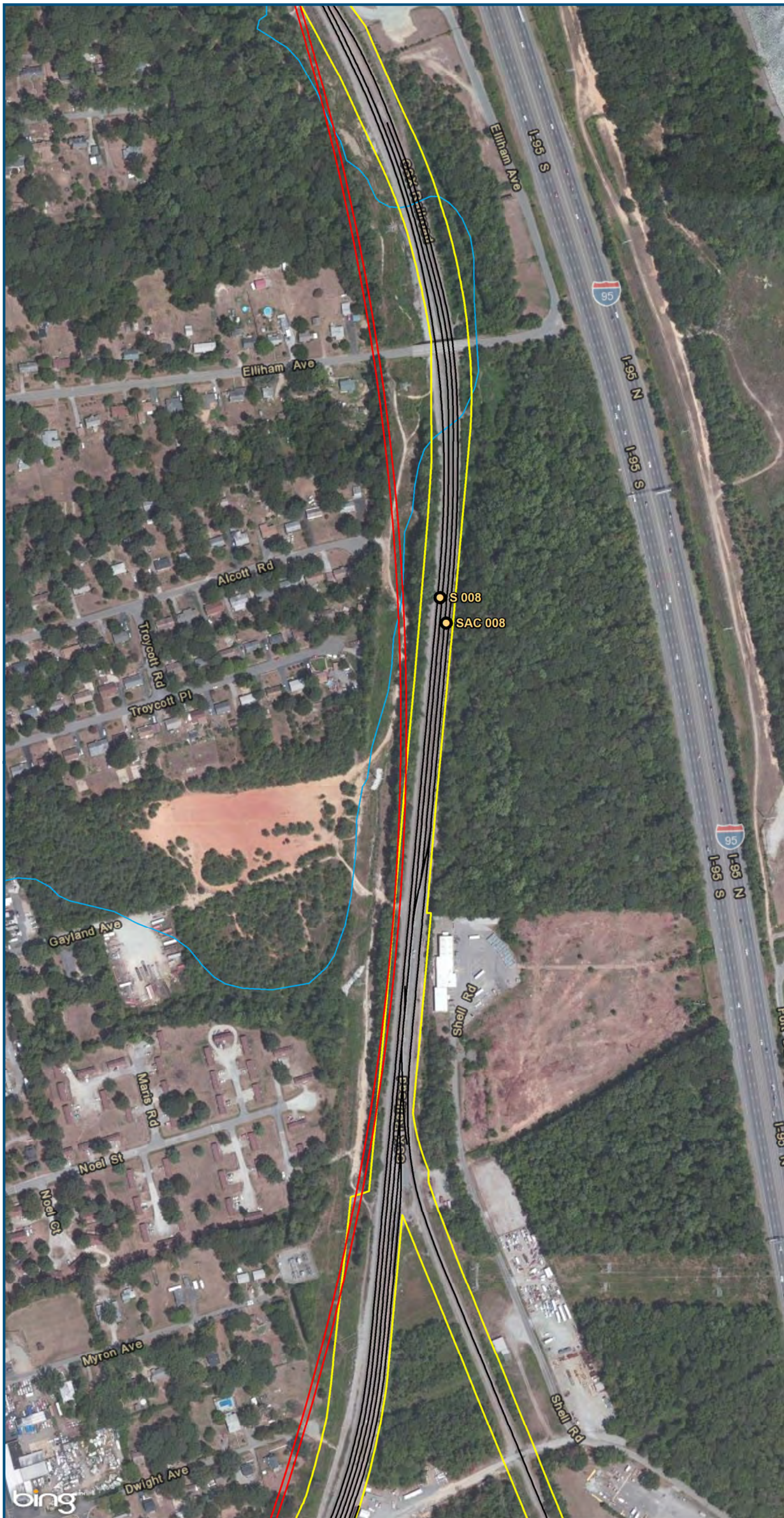
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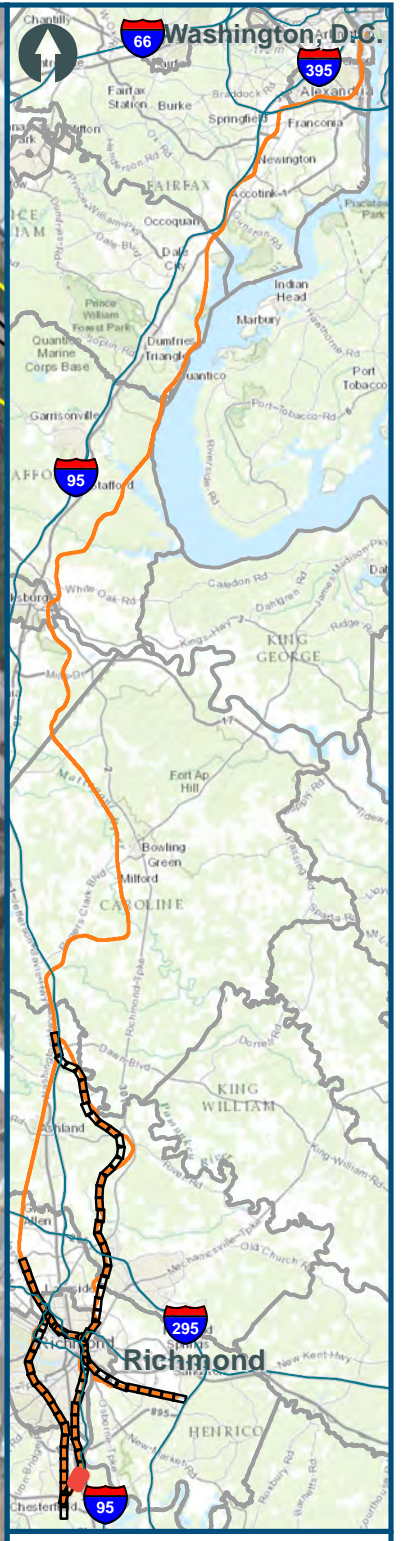
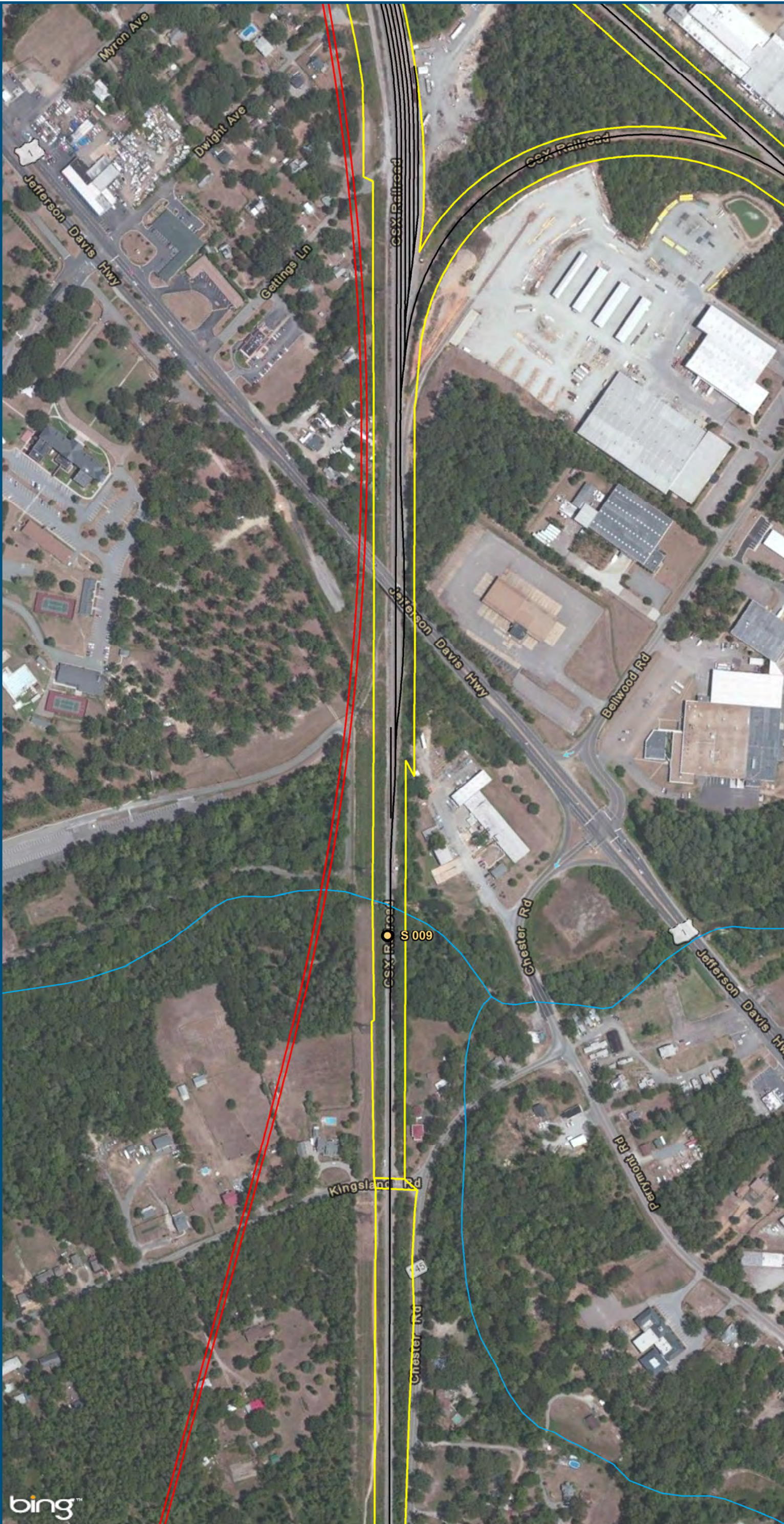
0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

Legend

- CSXT Mileposts
- New Track
- Existing Track
- CSXT Right-of-Way

Figure W-21
Richmond Segment
Unconstrained
Alignment Option

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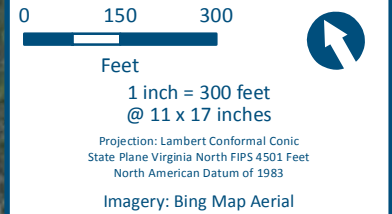
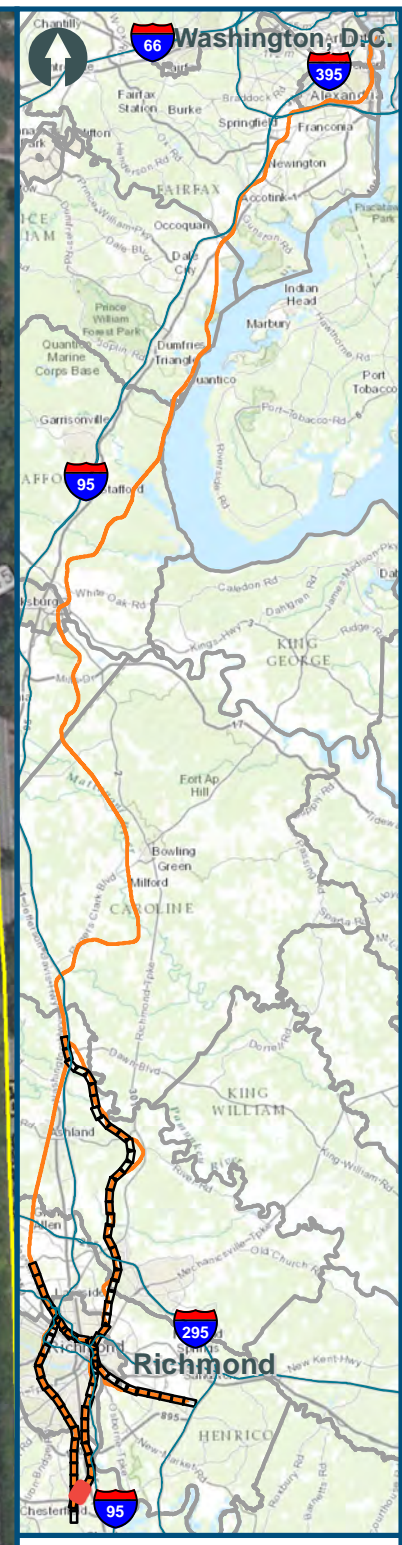


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-22
Richmond Segment
Unconstrained
Alignment Option

\\cslmain\gis_data\GIS\Projects\011545_VADepot\Rail-PublicTransportation\0239056_RAPS-4\Dev-Concept\Eng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015




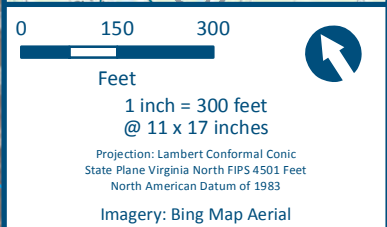
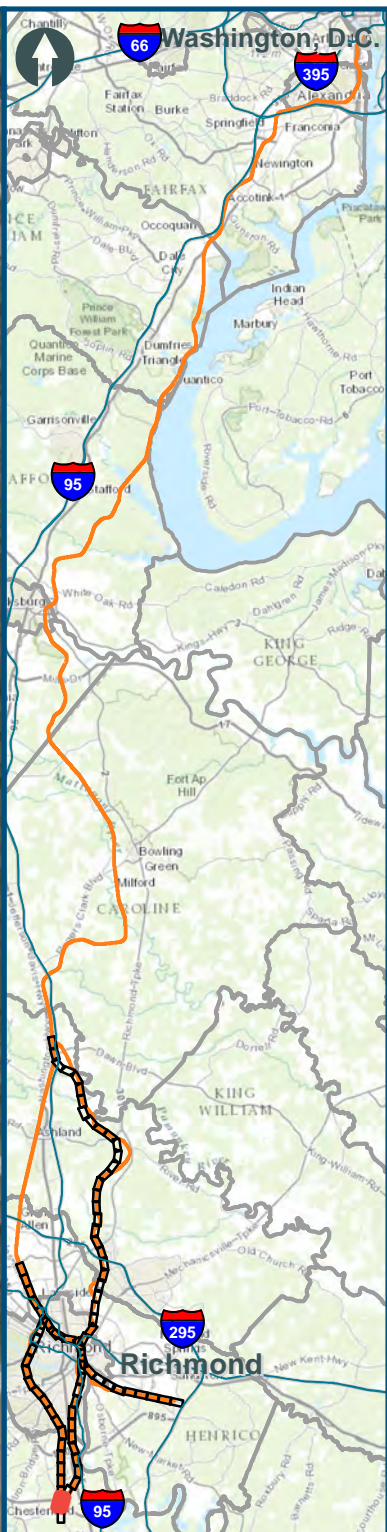
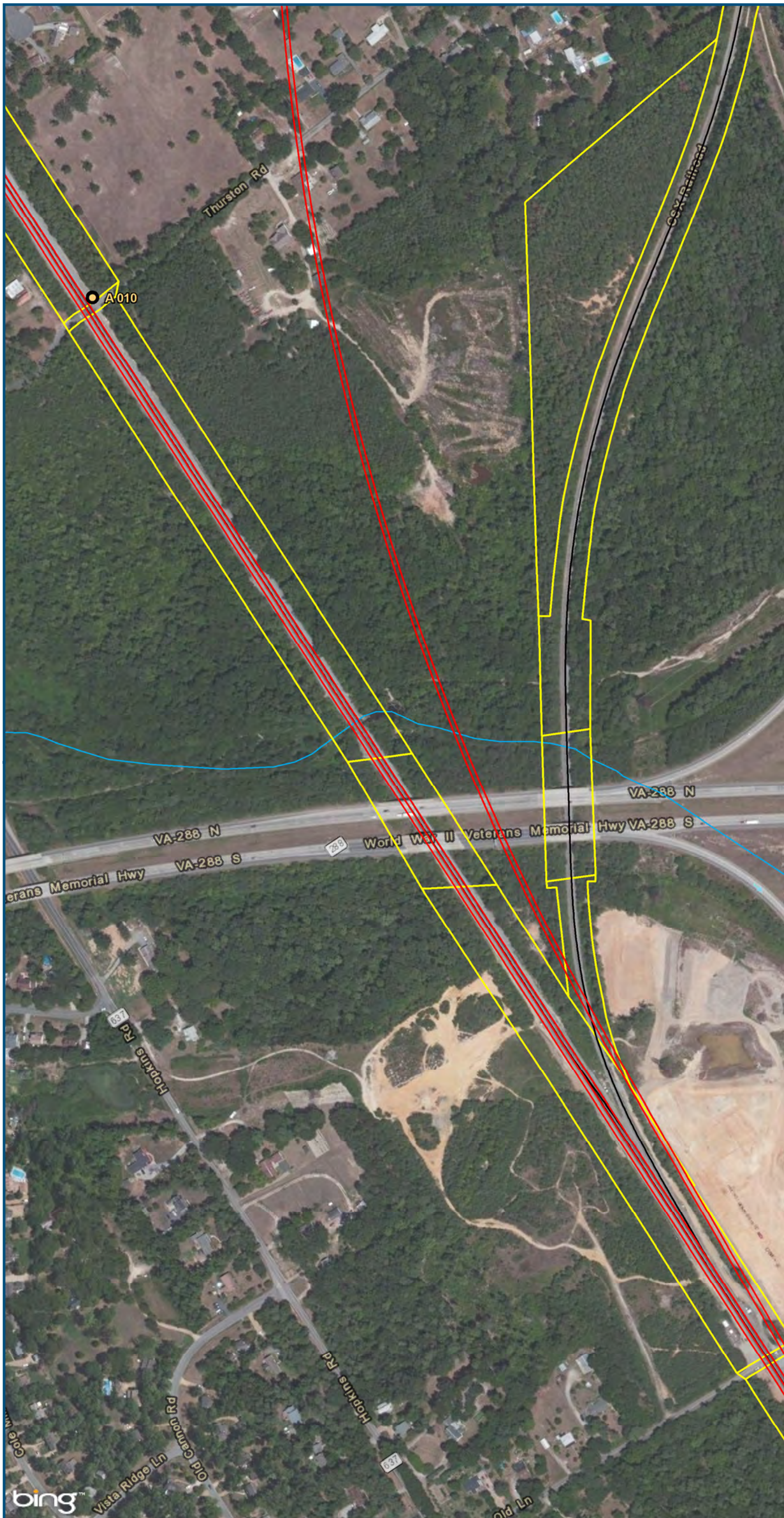
- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-23
Richmond Segment
Unconstrained
Alignment Option

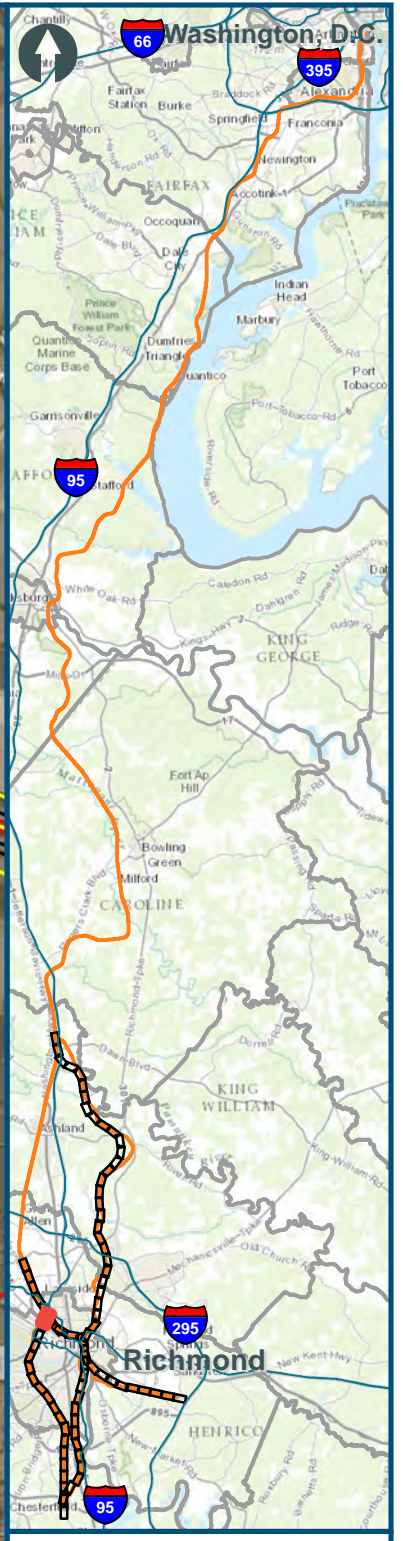
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-24
Richmond Segment
Unconstrained
Alignment Option

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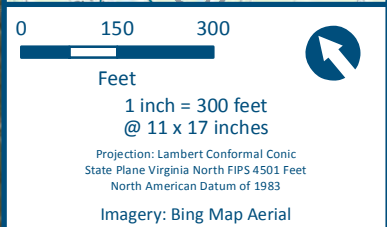
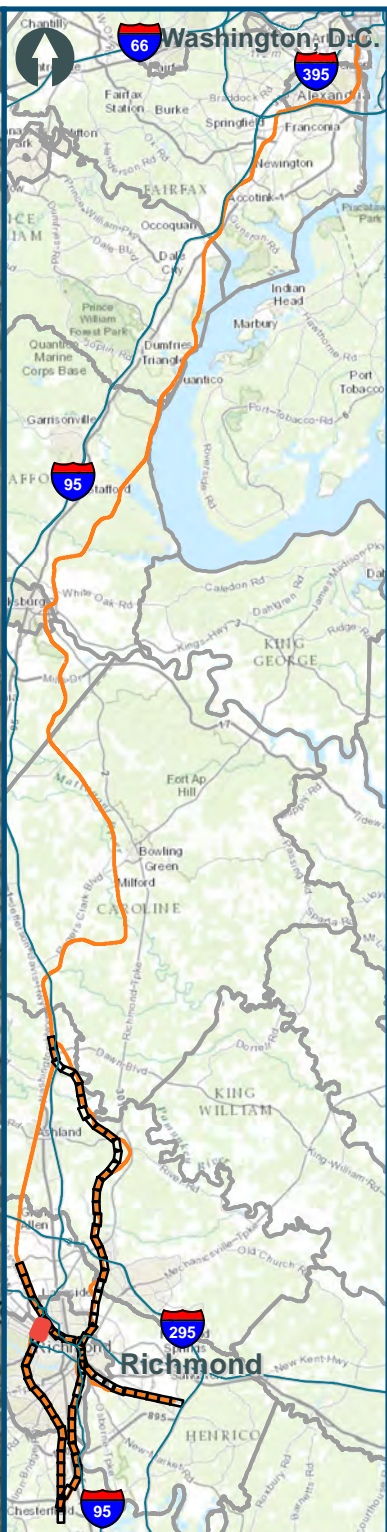
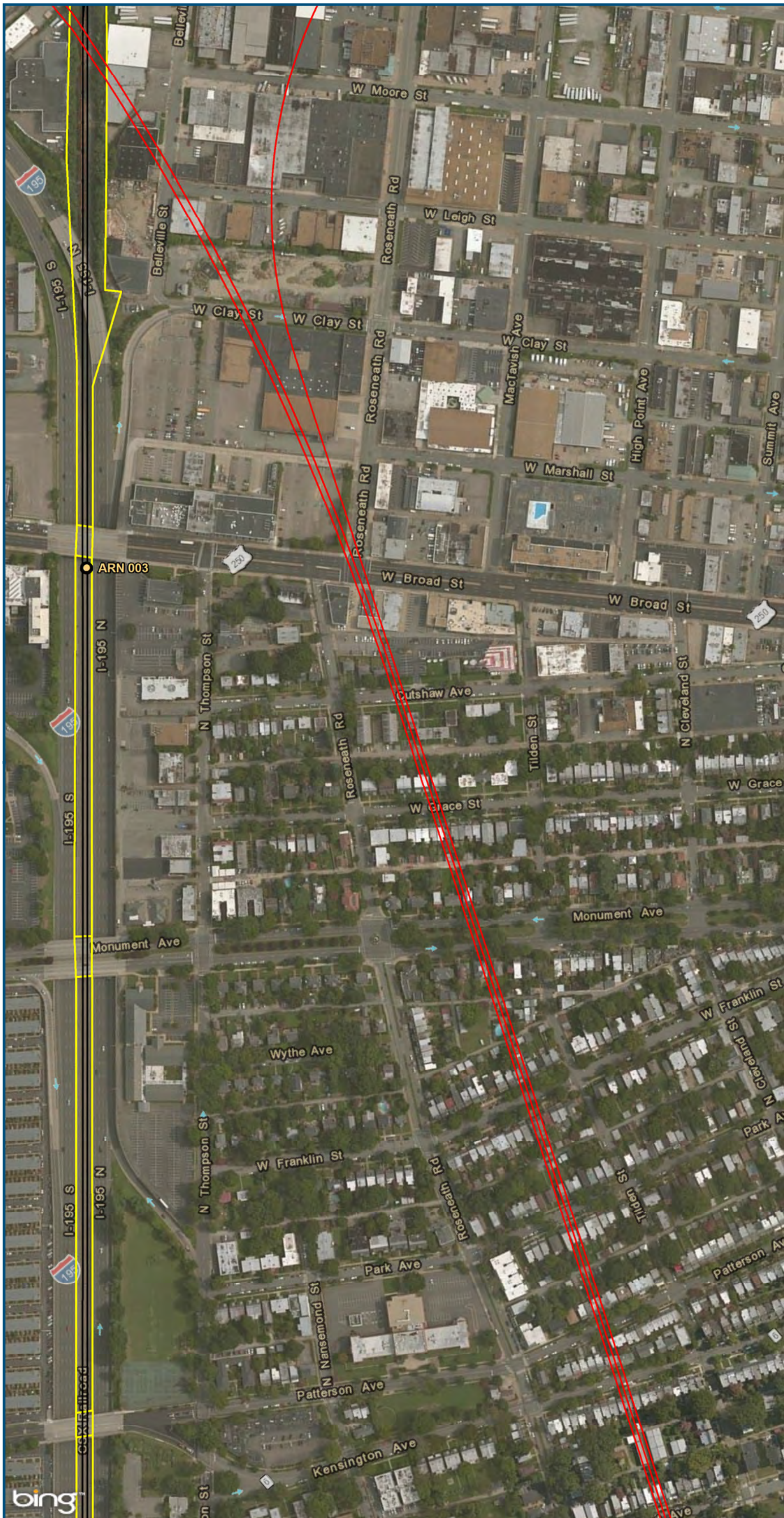
0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-25
Richmond Segment
Unconstrained
Alignment Option



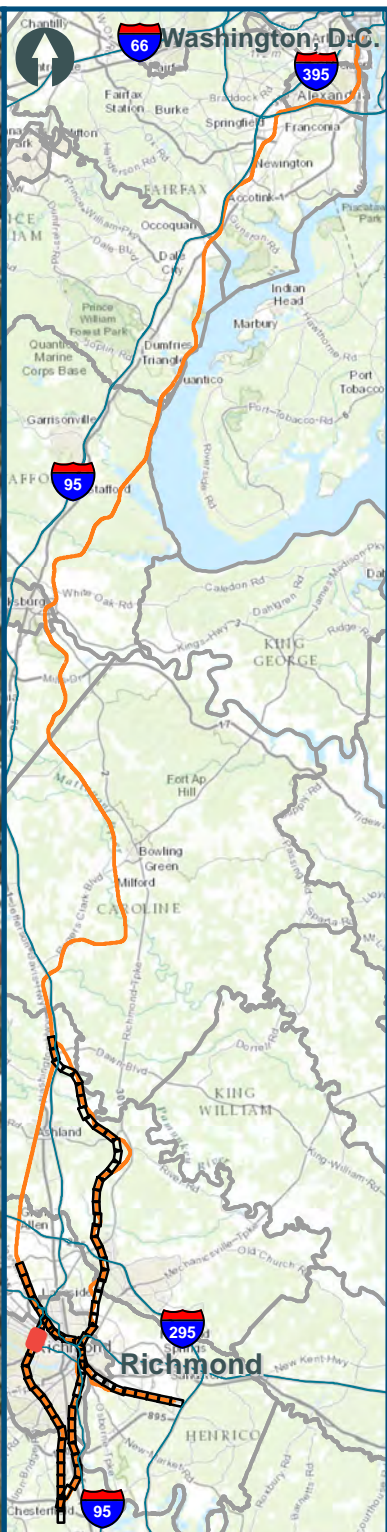
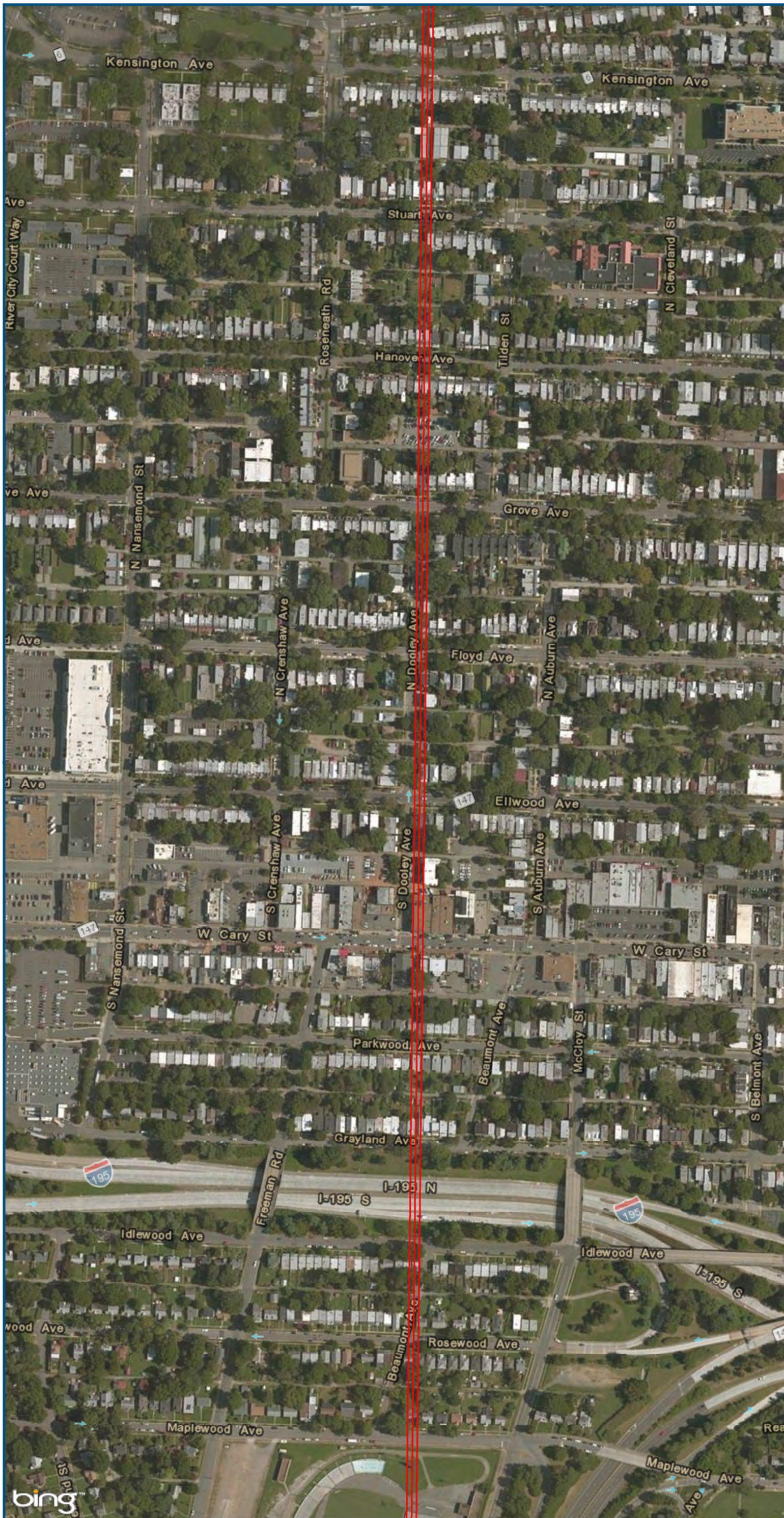
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-26
Richmond Segment
Unconstrained
Alignment Option

\\cslmain\gis_data\GIS\Projects\011545_VADepot\Railis-Public\Transportation\0239056_RAPS-4\Dev-Concept\Eng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015



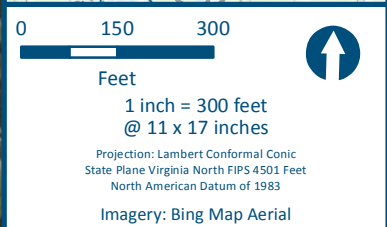
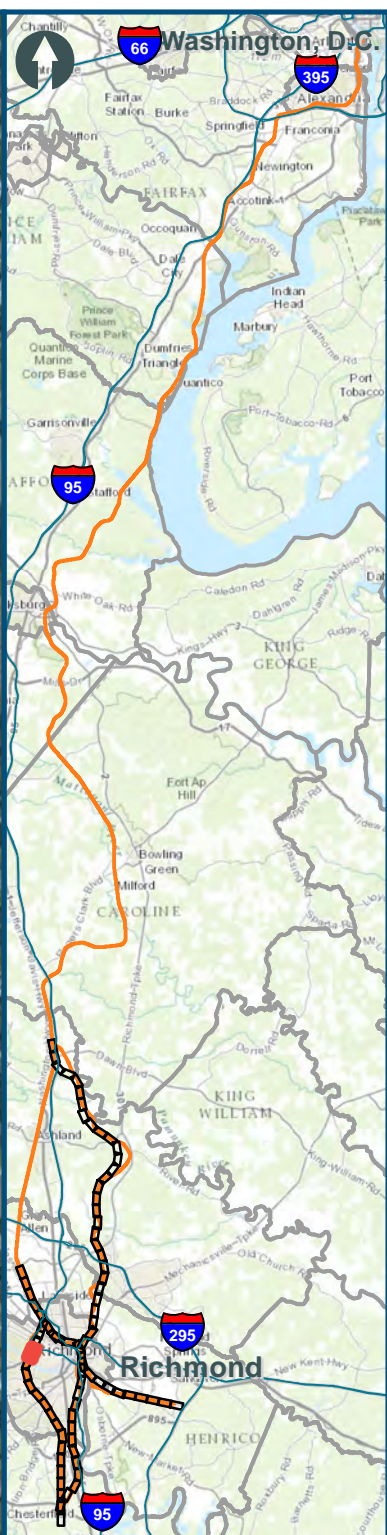
0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

Legend

-  CSXT Mileposts
-  New Track
-  CSXT Right-of-Way

Figure W-27
Richmond Segment
Unconstrained
Alignment Option

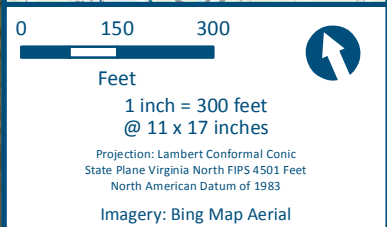
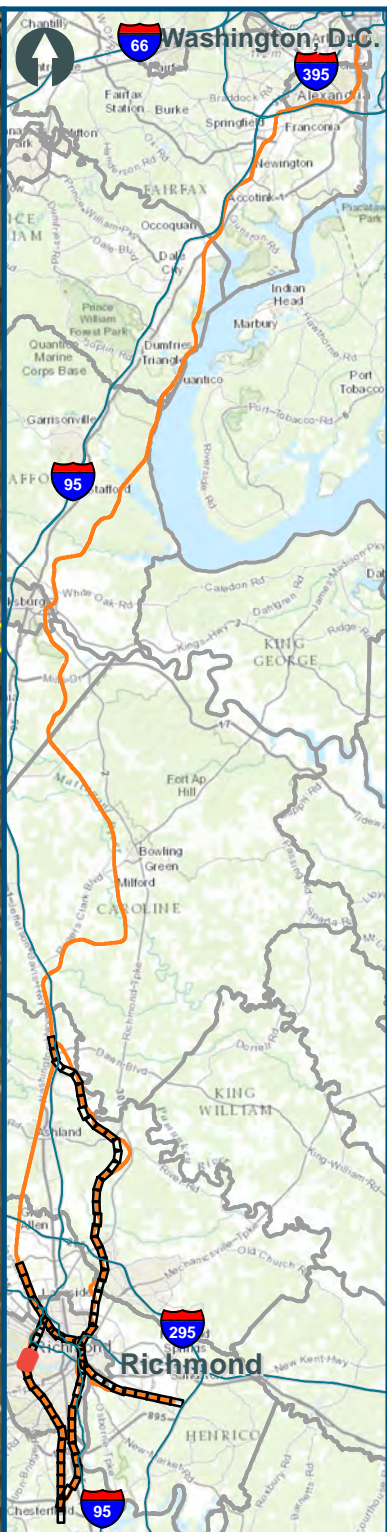
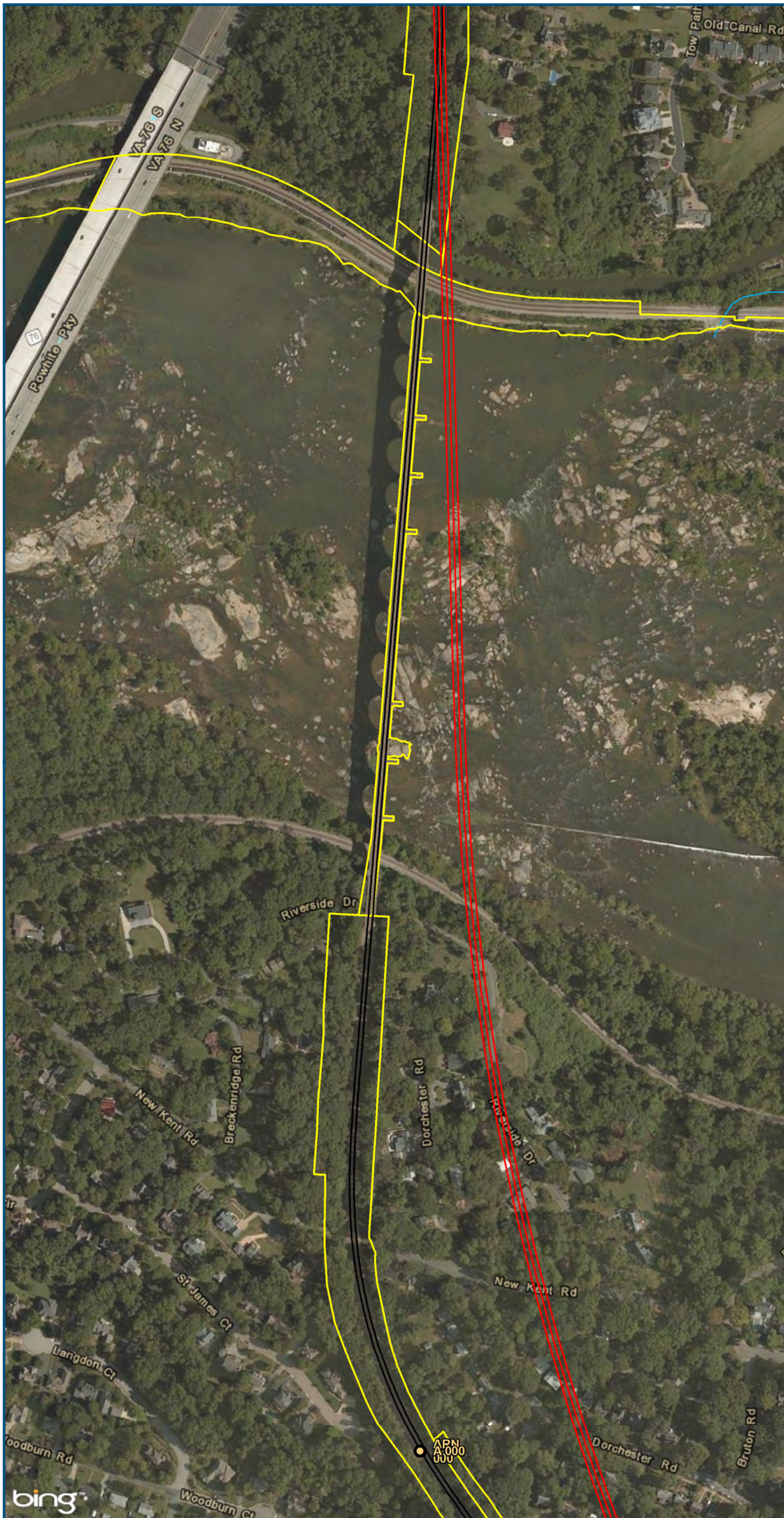
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

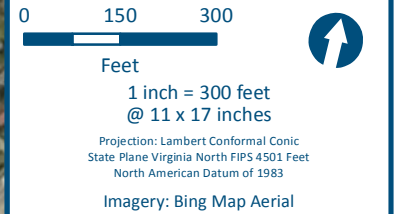
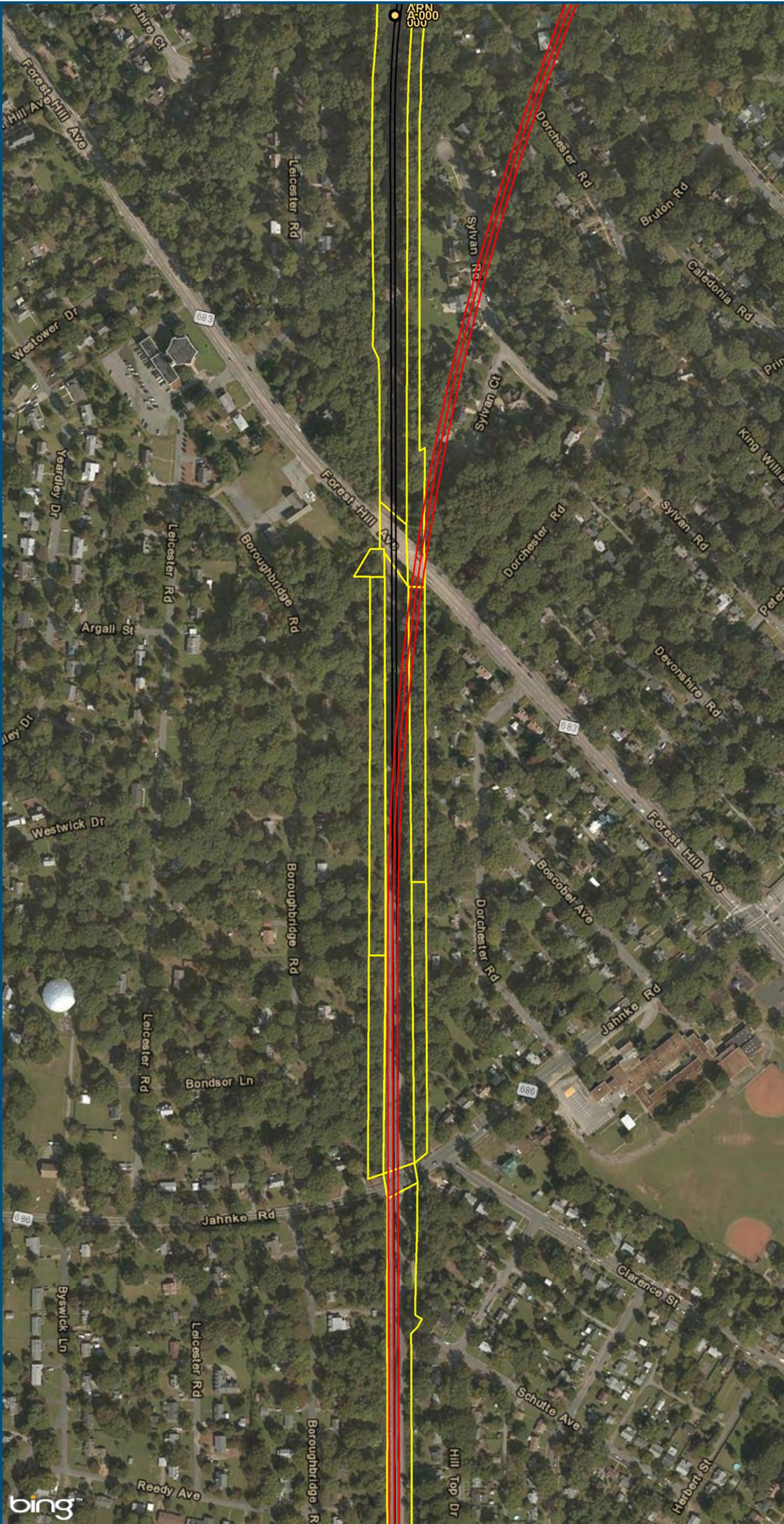
Figure W-28
Richmond Segment
Unconstrained
Alignment Option

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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

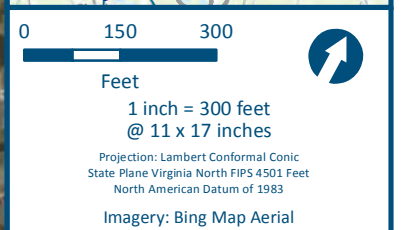
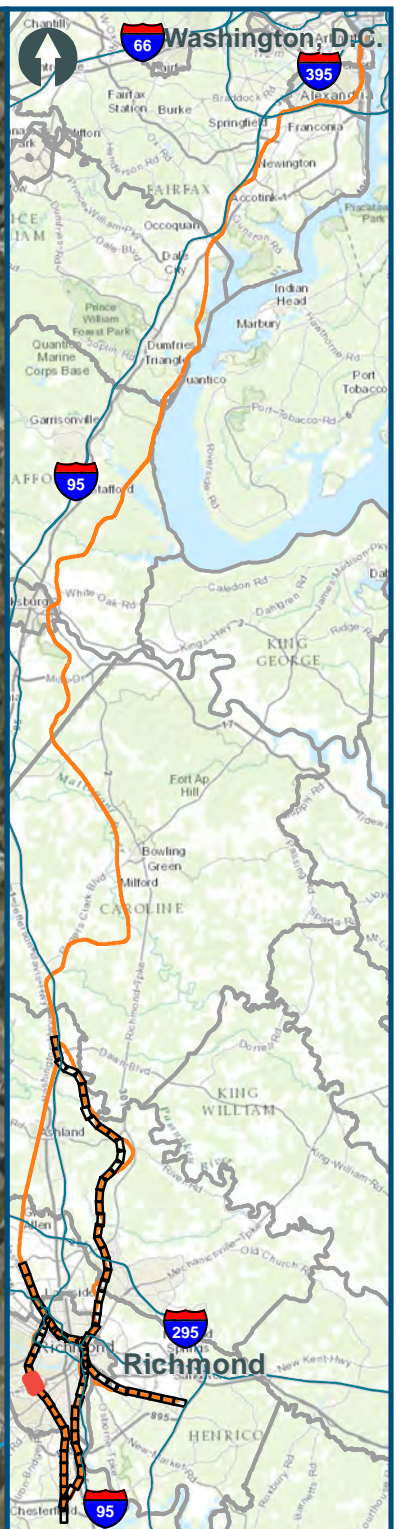
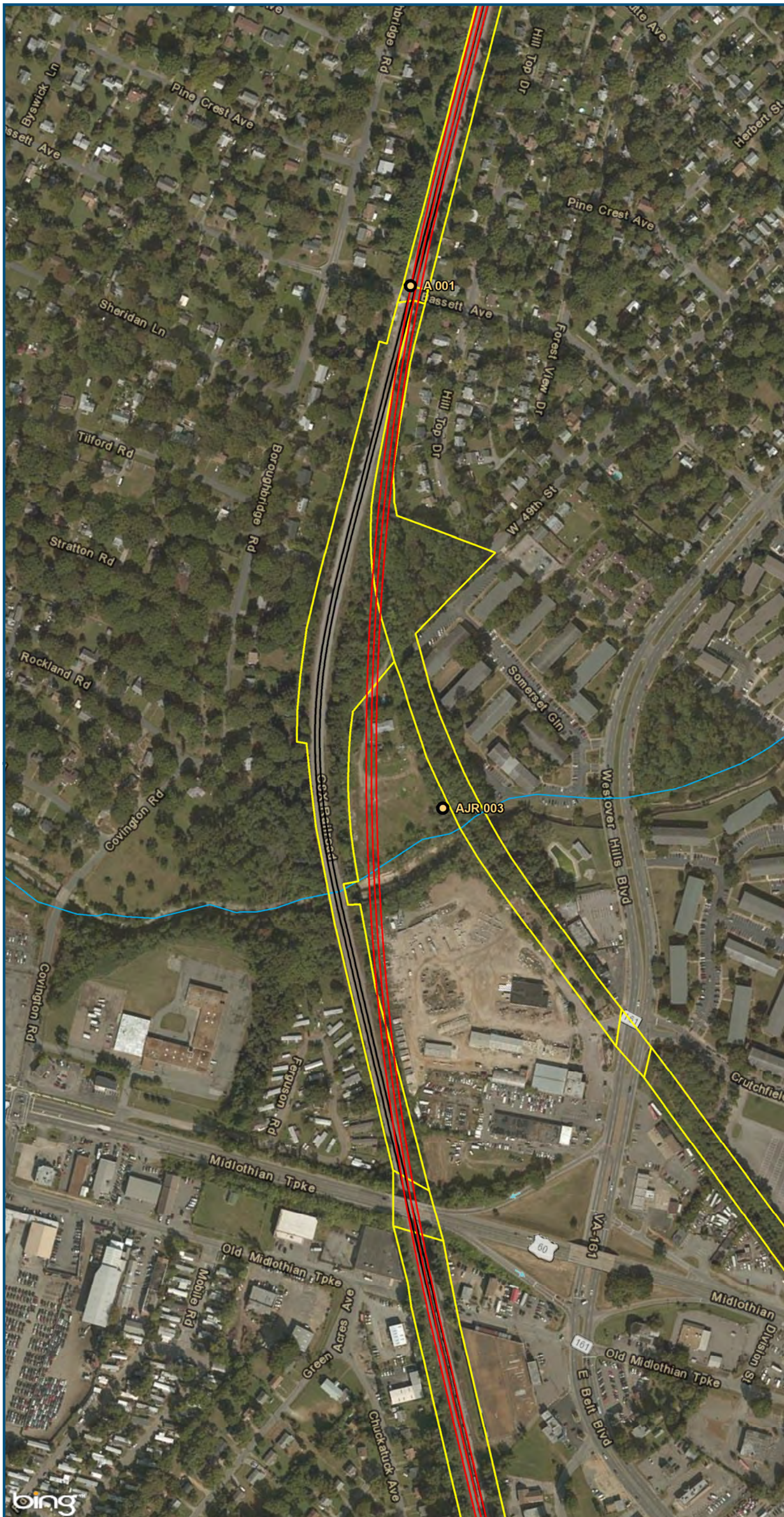
Figure W-29
Richmond Segment
Unconstrained
Alignment Option



- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-30
Richmond Segment
Unconstrained
Alignment Option

\\cslsmain\gis_data\GIS\Projects\011545_VADepotRailPublicTransportation\0239056_RAPS-4\Dev-Concept\Eng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015

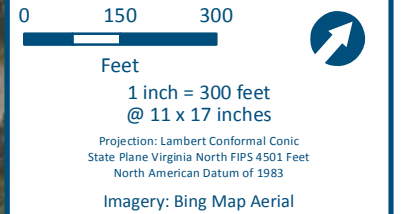
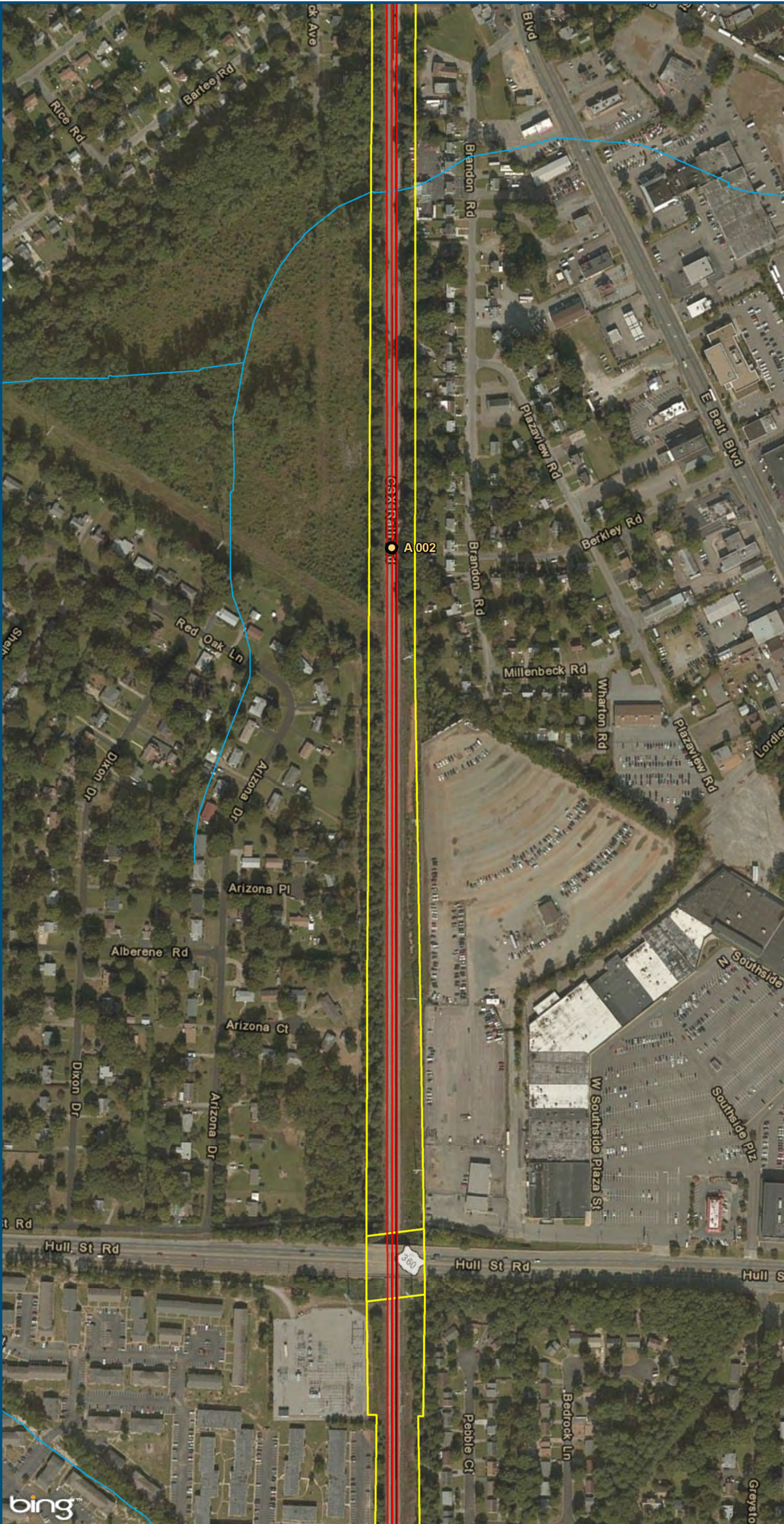


- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-31
Richmond Segment
Unconstrained
Alignment Option

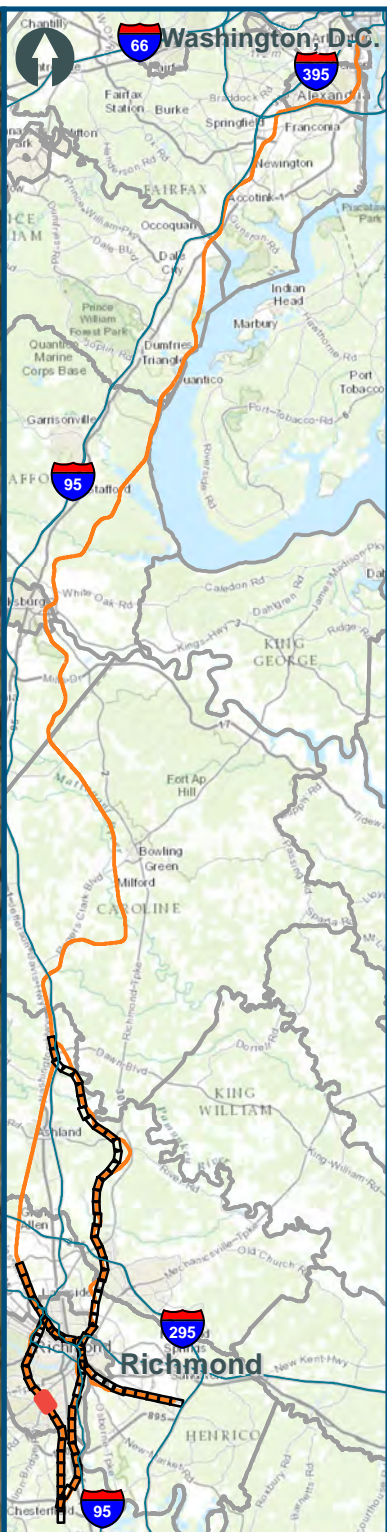
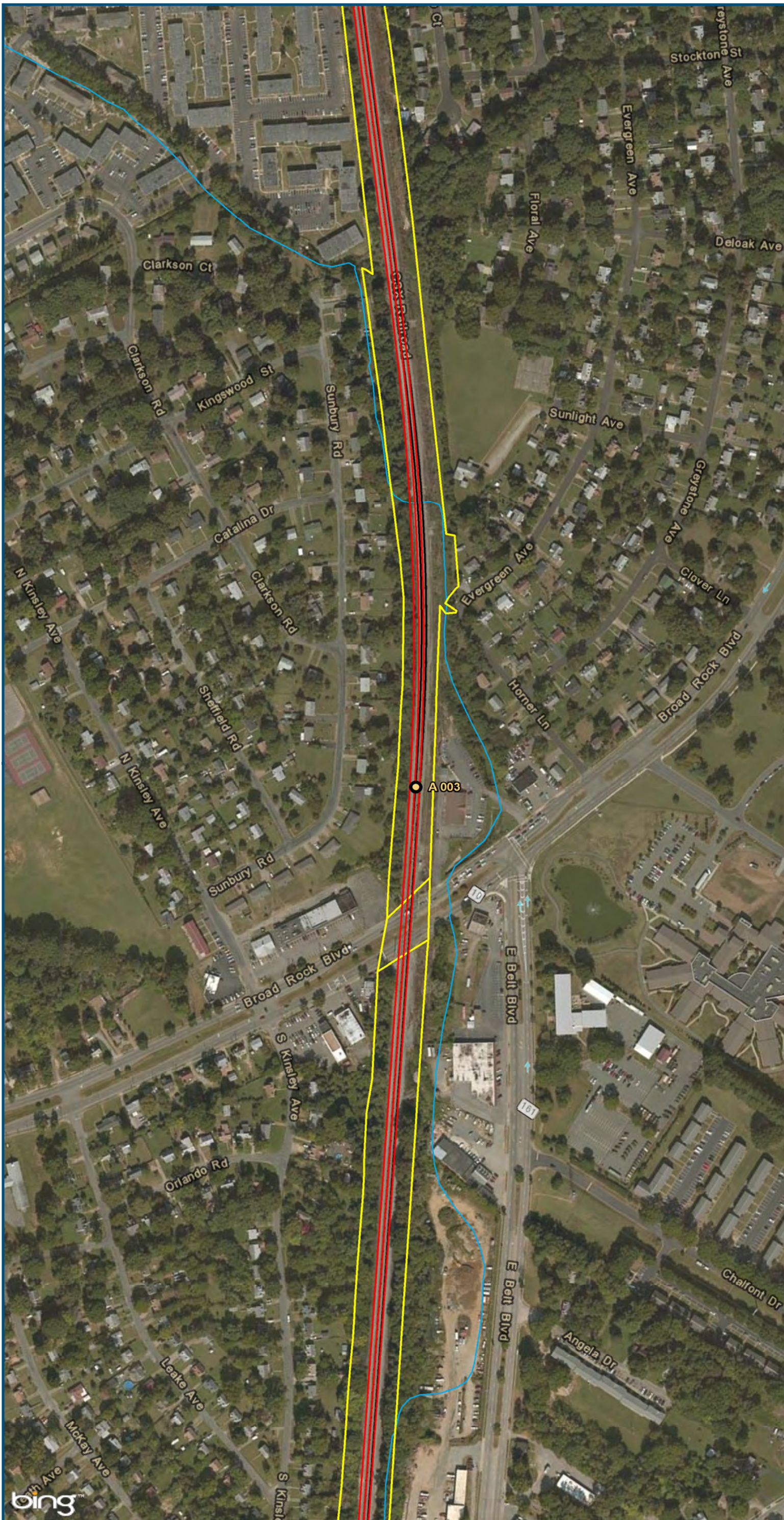
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\\cslmain\gis_data\GIS\Projects\011545_VADepot\Railis-PublicTransportation\0239056_RAPS-4A\Dev-Concept\Eng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015



- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-32
Richmond Segment
Unconstrained
Alignment Option



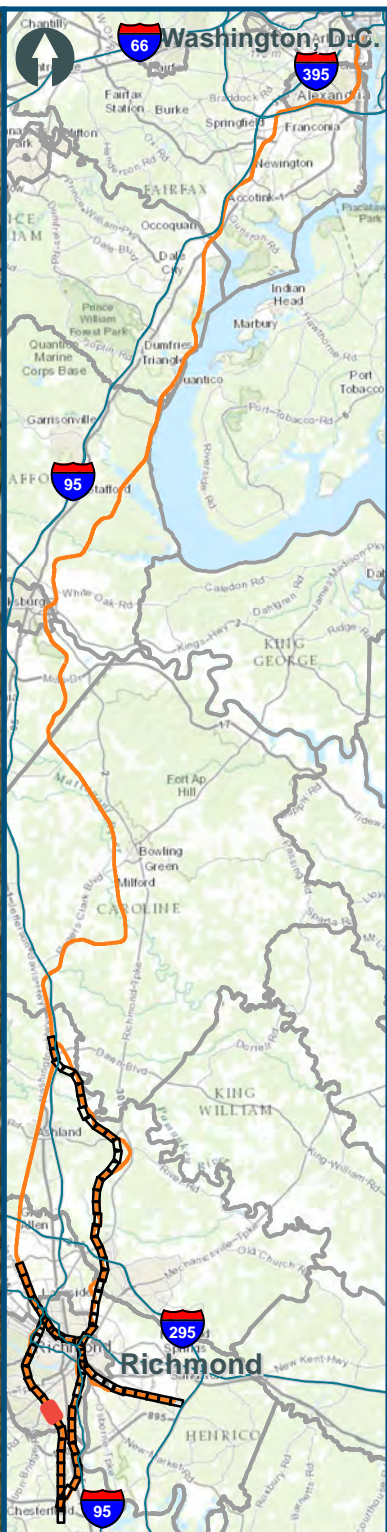
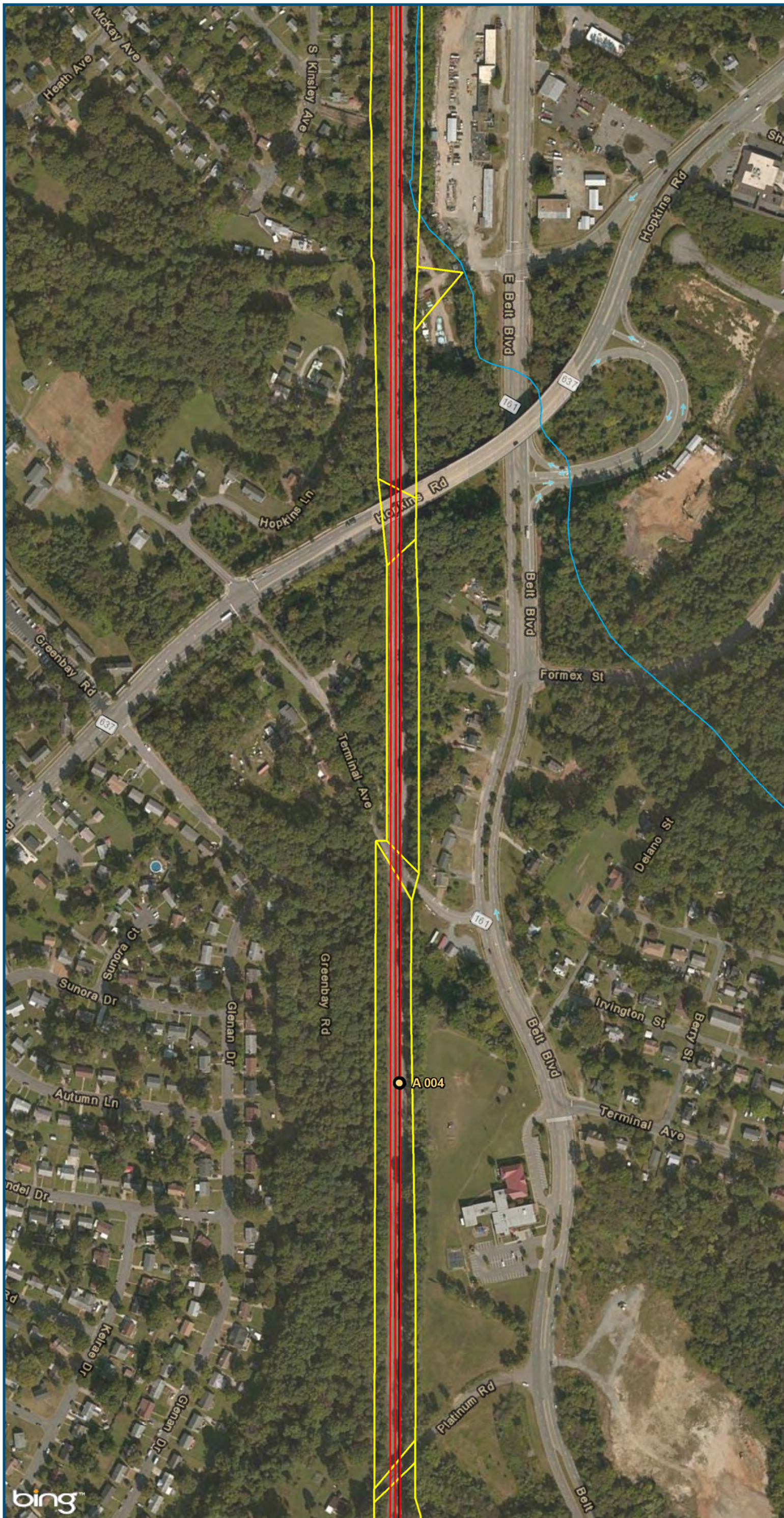
0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-33
Richmond Segment
Unconstrained
Alignment Option

\\cslmain\gis_data\GIS\Projects\011545_VADepotRailPublicTransportation\0239056_RAPS-4AllDev-ConceptEng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015

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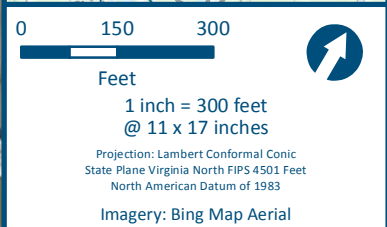
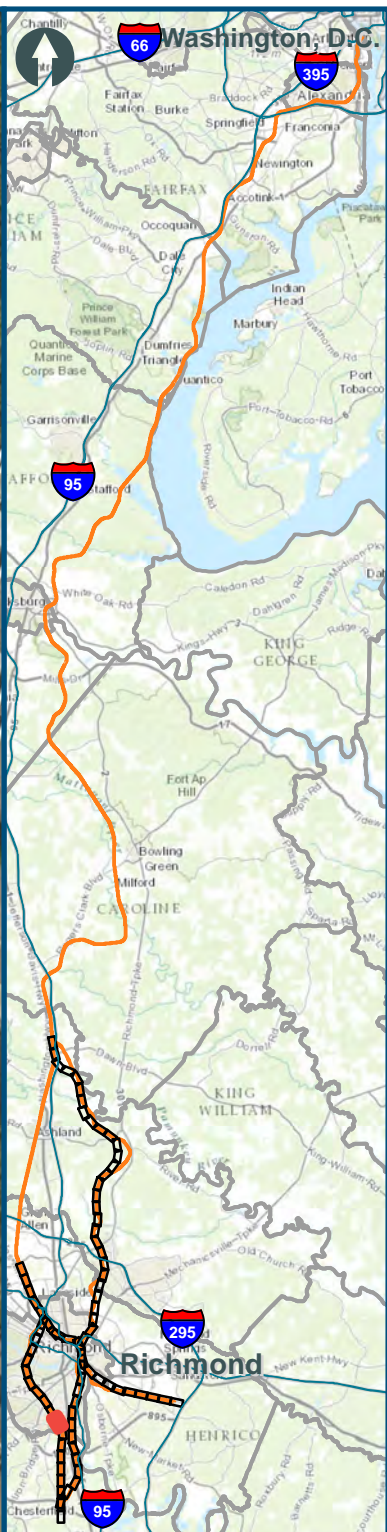
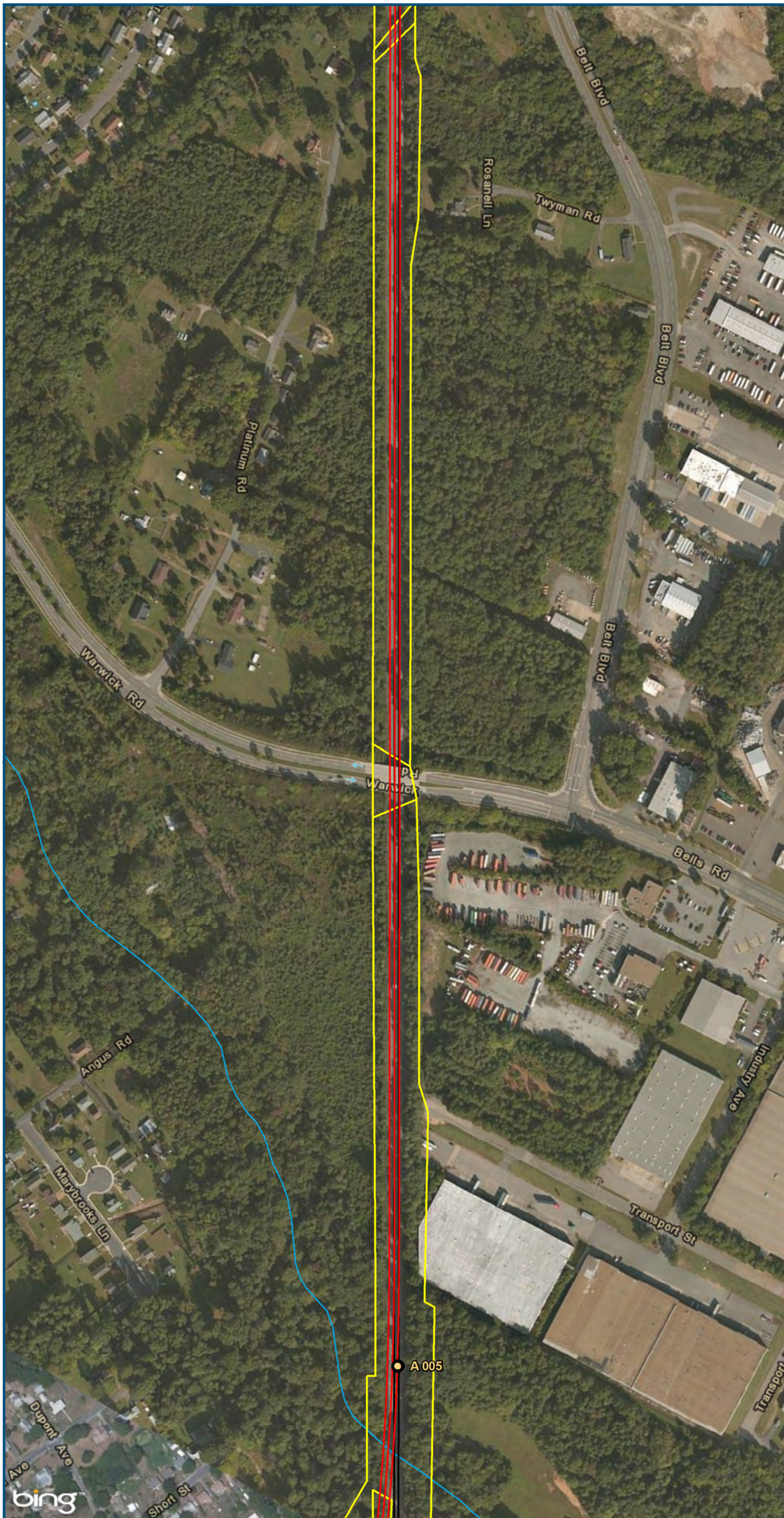


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-34
Richmond Segment
Unconstrained
Alignment Option

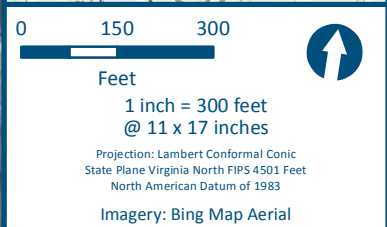
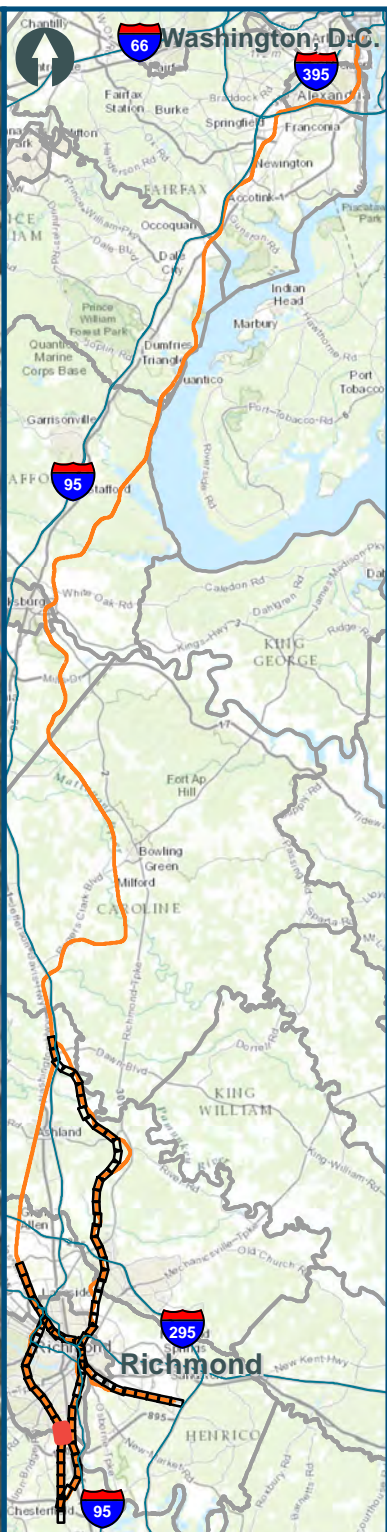
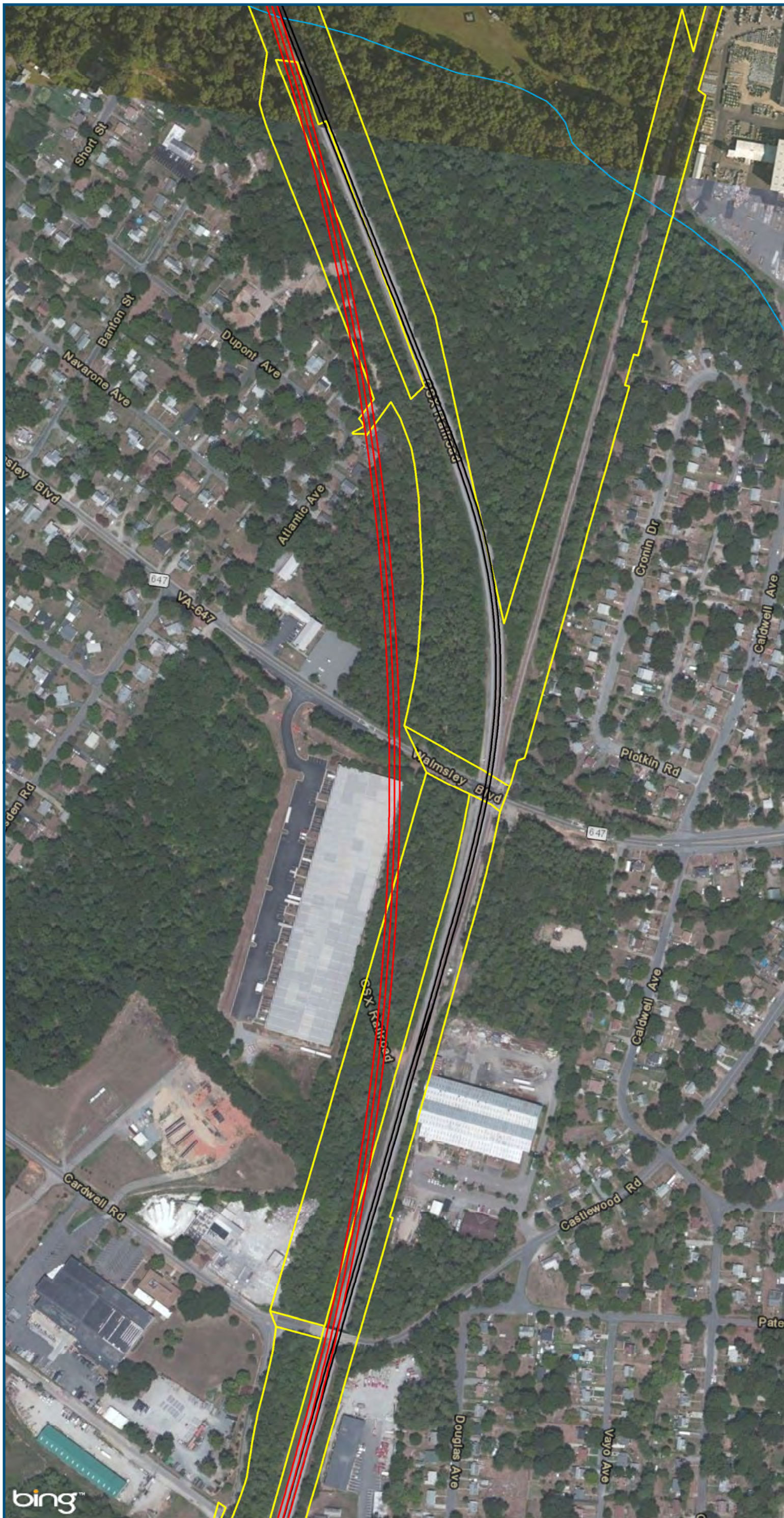
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-35
Richmond Segment
Unconstrained
Alignment Option

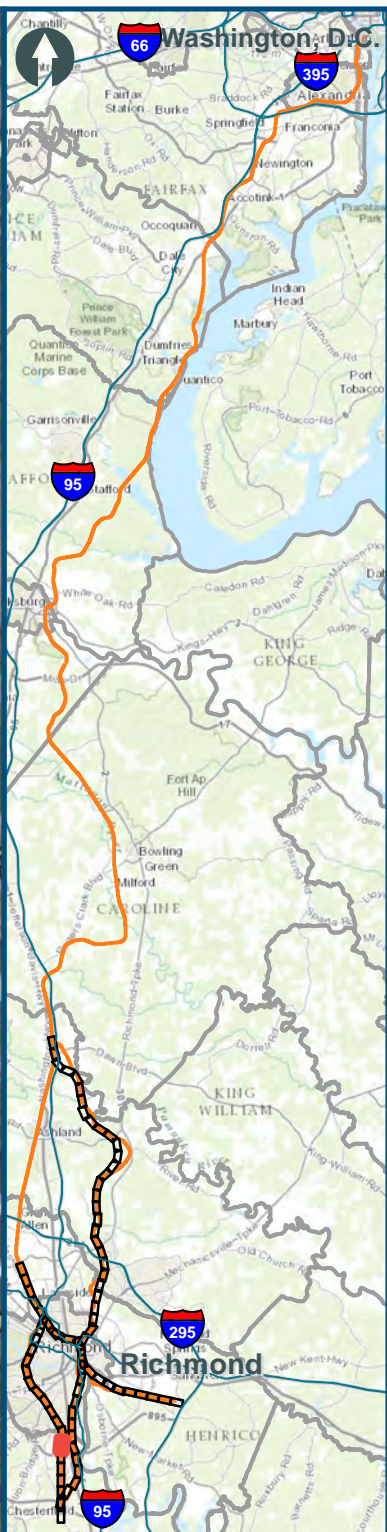
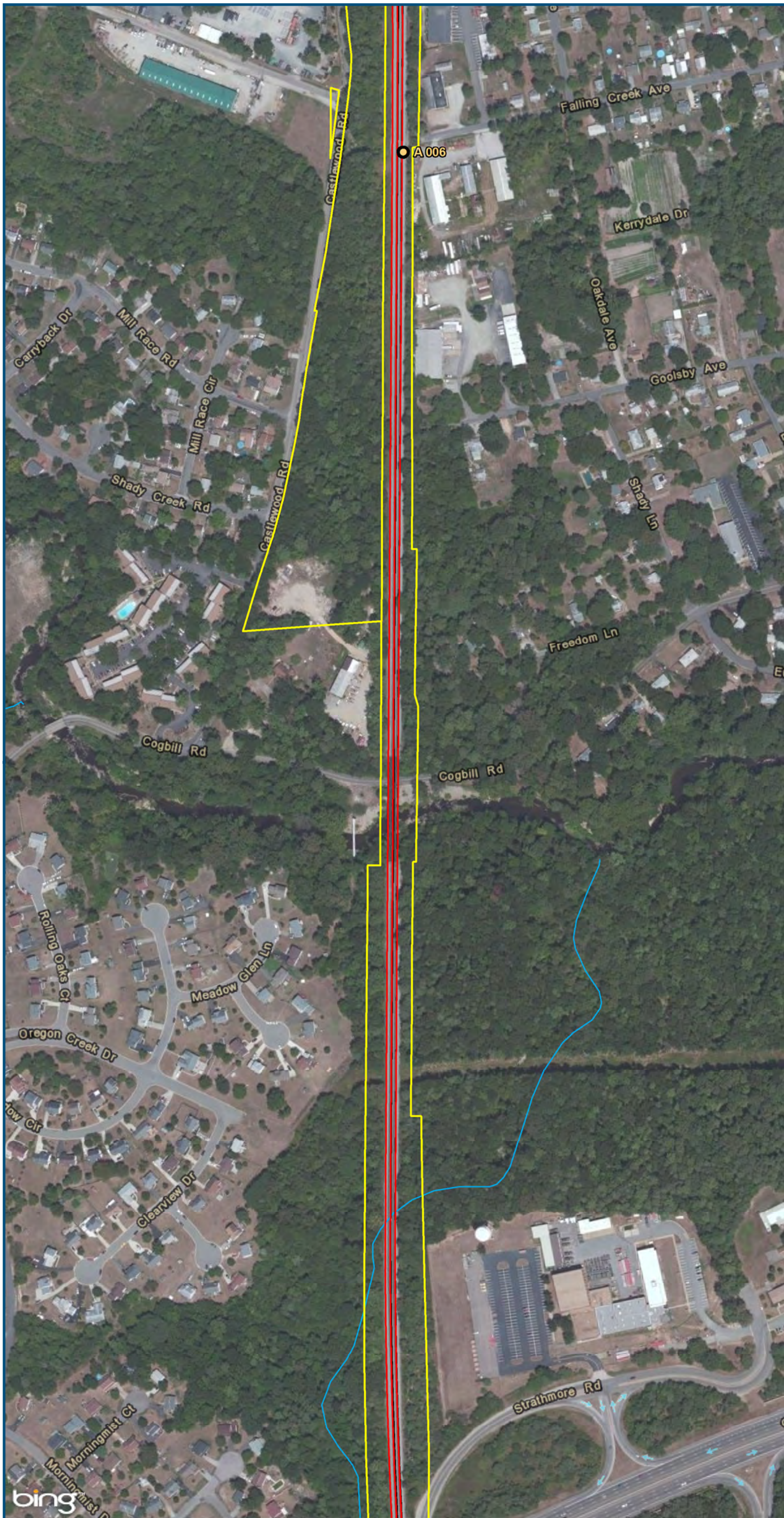
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- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-36
Richmond Segment
Unconstrained
Alignment Option

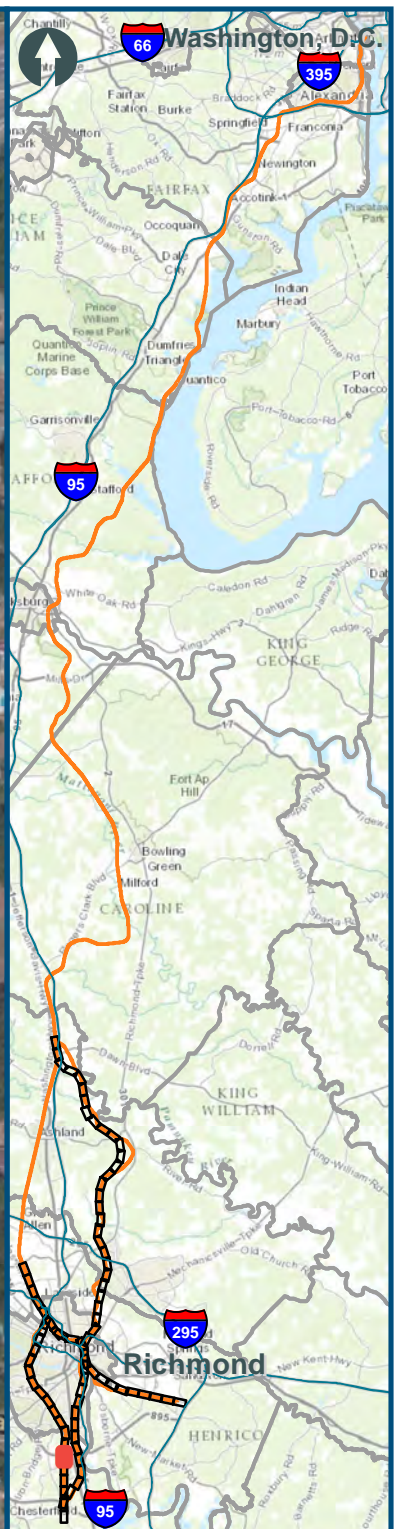
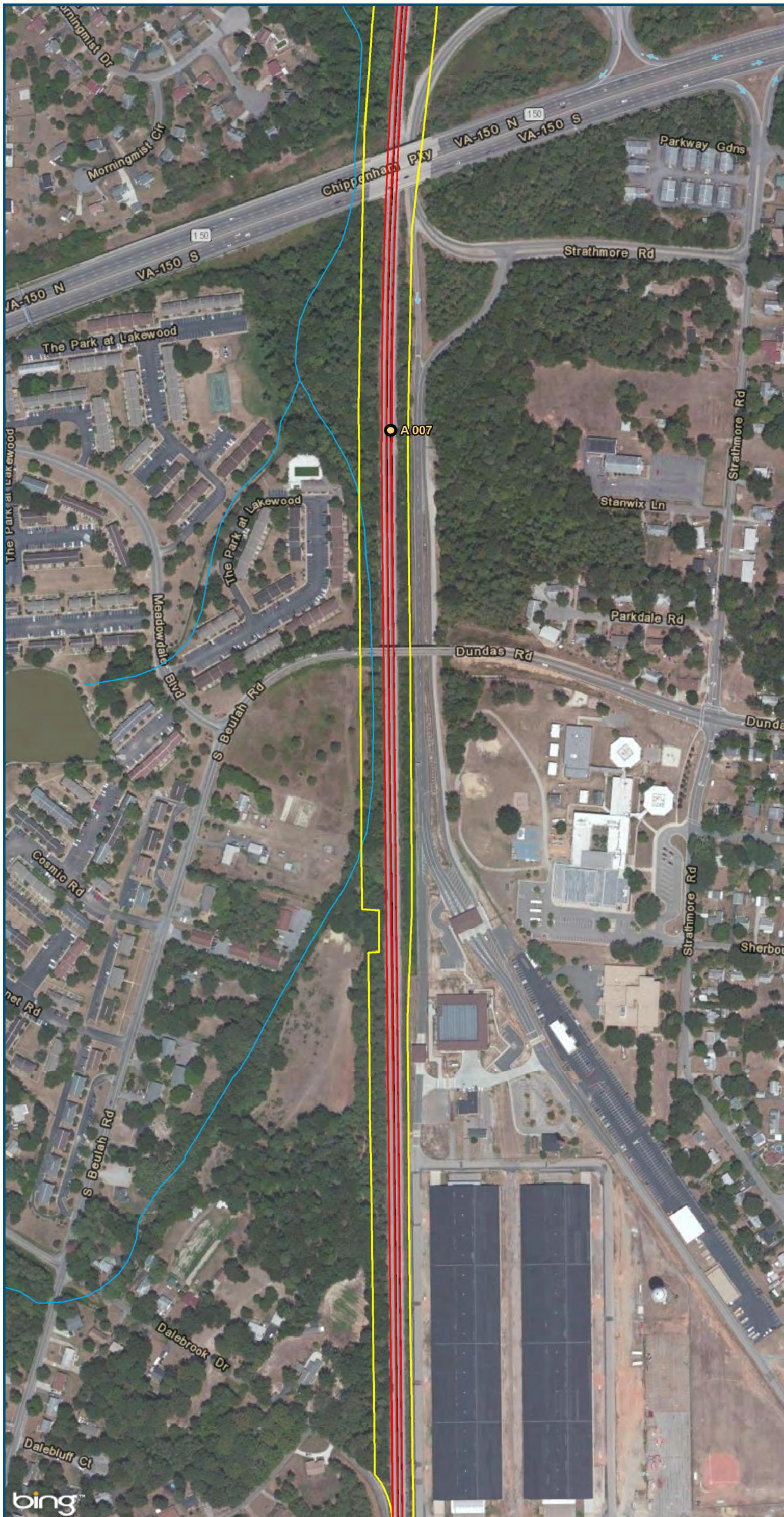
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-37
Richmond Segment
Unconstrained
Alignment Option



0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

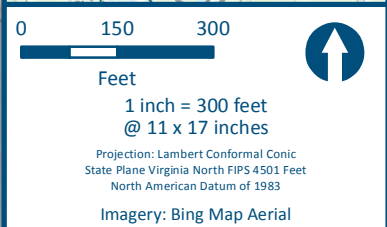
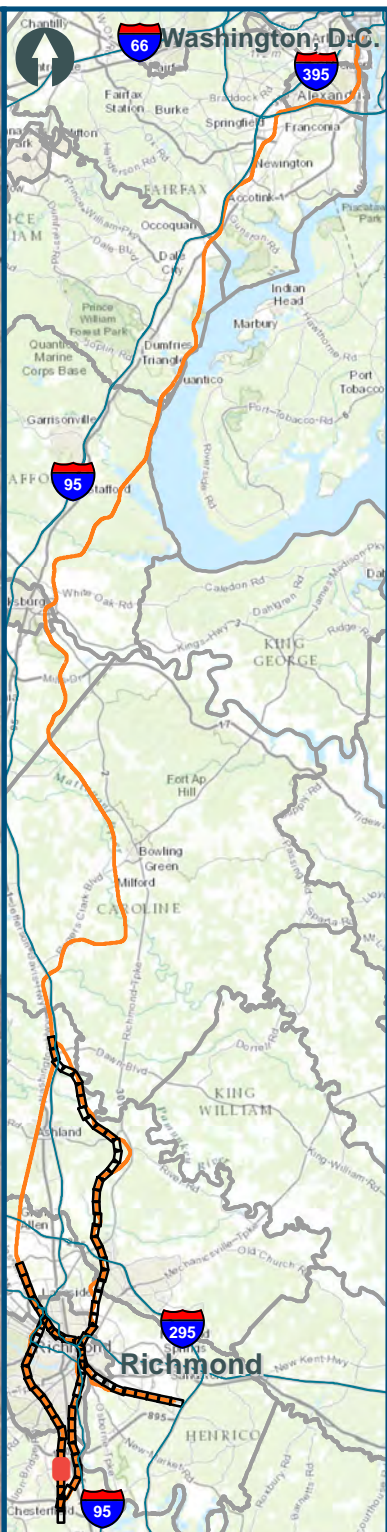
Legend

- CSXT Mileposts
- New Track
- Existing Track
- CSXT Right-of-Way

Figure W-38
Richmond Segment
Unconstrained
Alignment Option

\\cslmain\gis_data\GIS\Projects\011545_VADepotRailPublicTransportation\0239056_RAPS-4AllDev-ConceptEng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015

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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-39
Richmond Segment
Unconstrained
Alignment Option

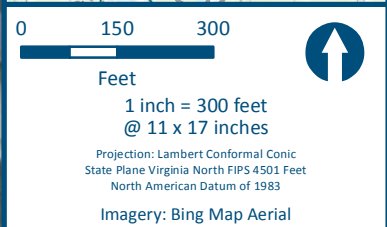
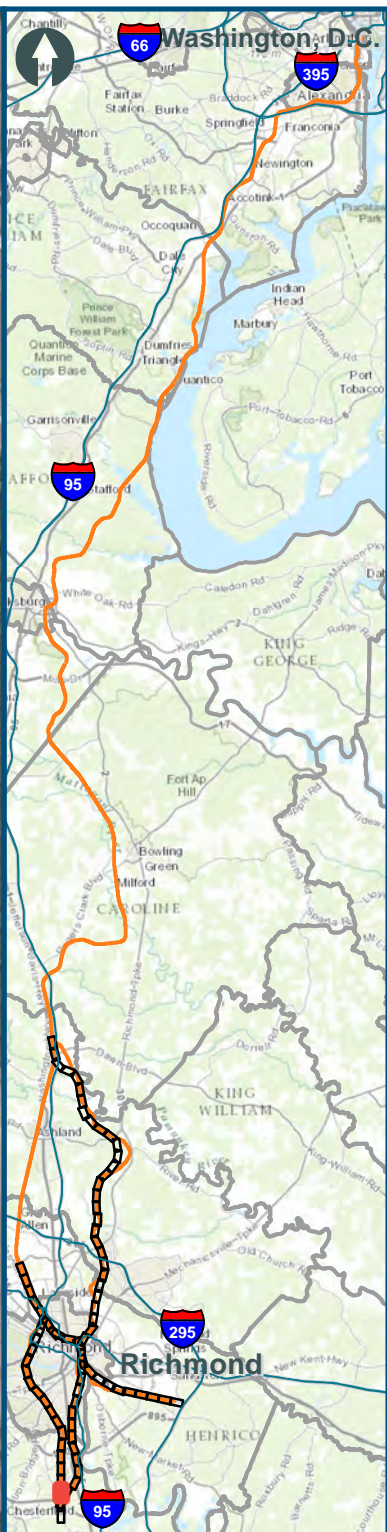


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-40
Richmond Segment
Unconstrained
Alignment Option

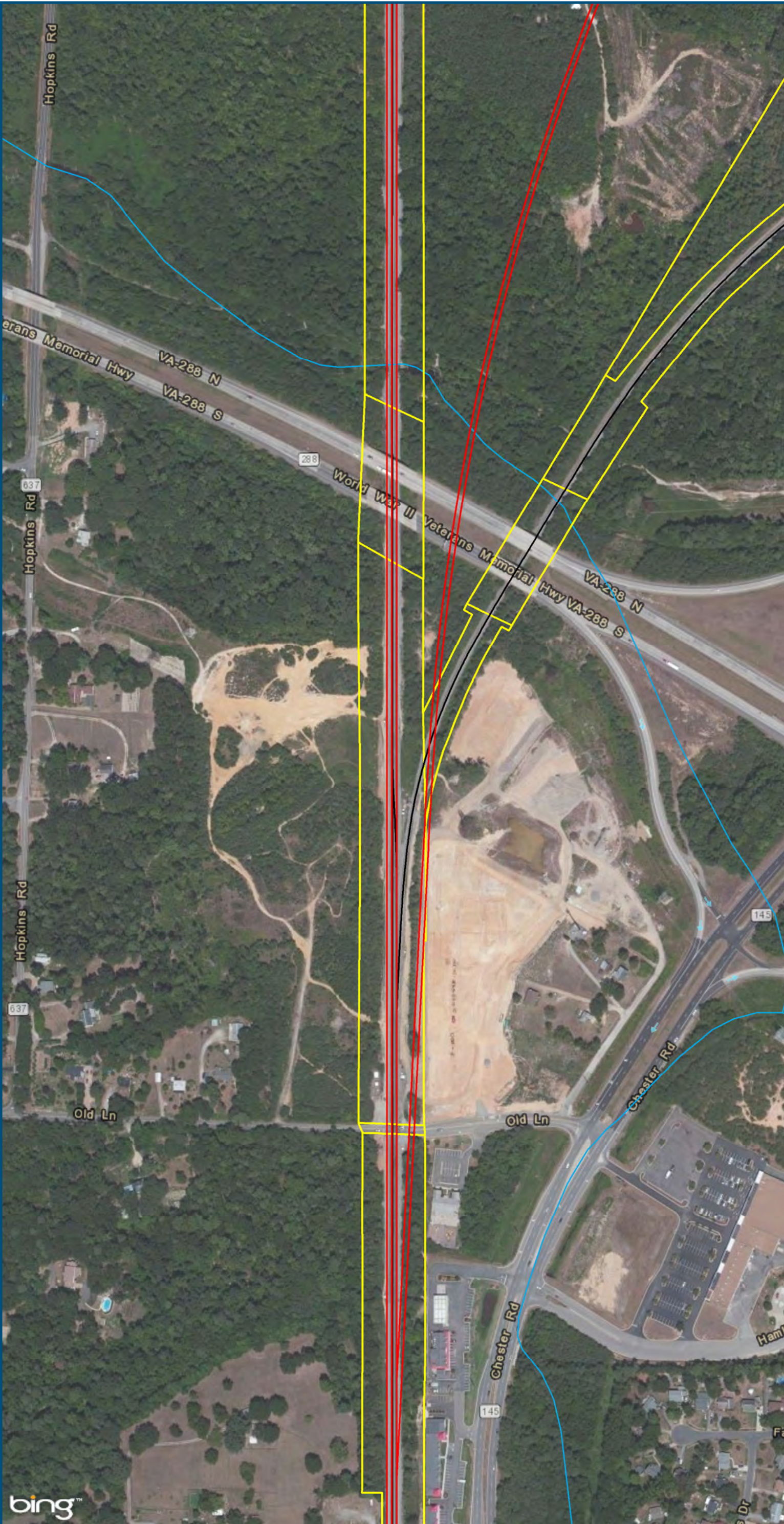
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-41
Richmond Segment
Unconstrained
Alignment Option

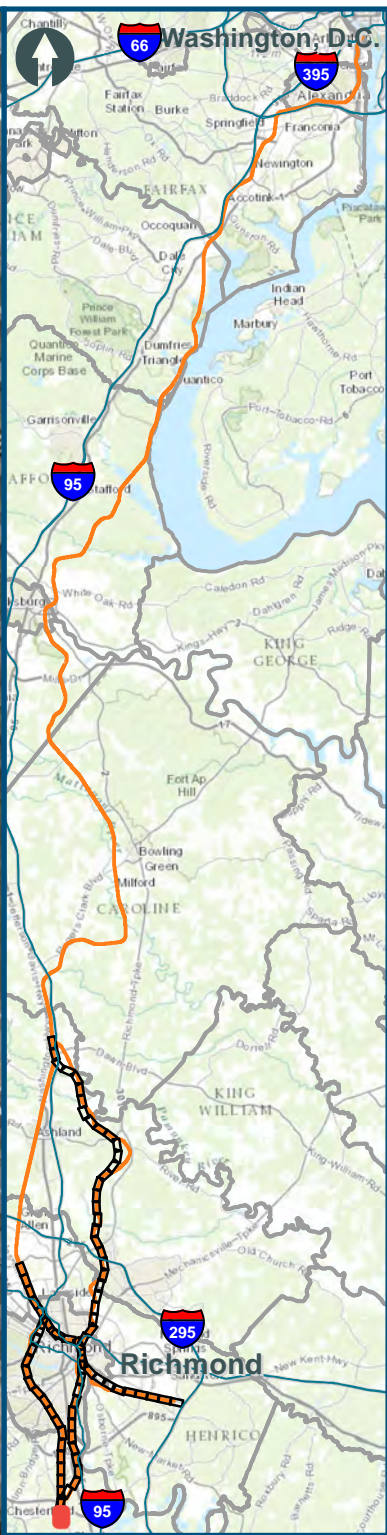
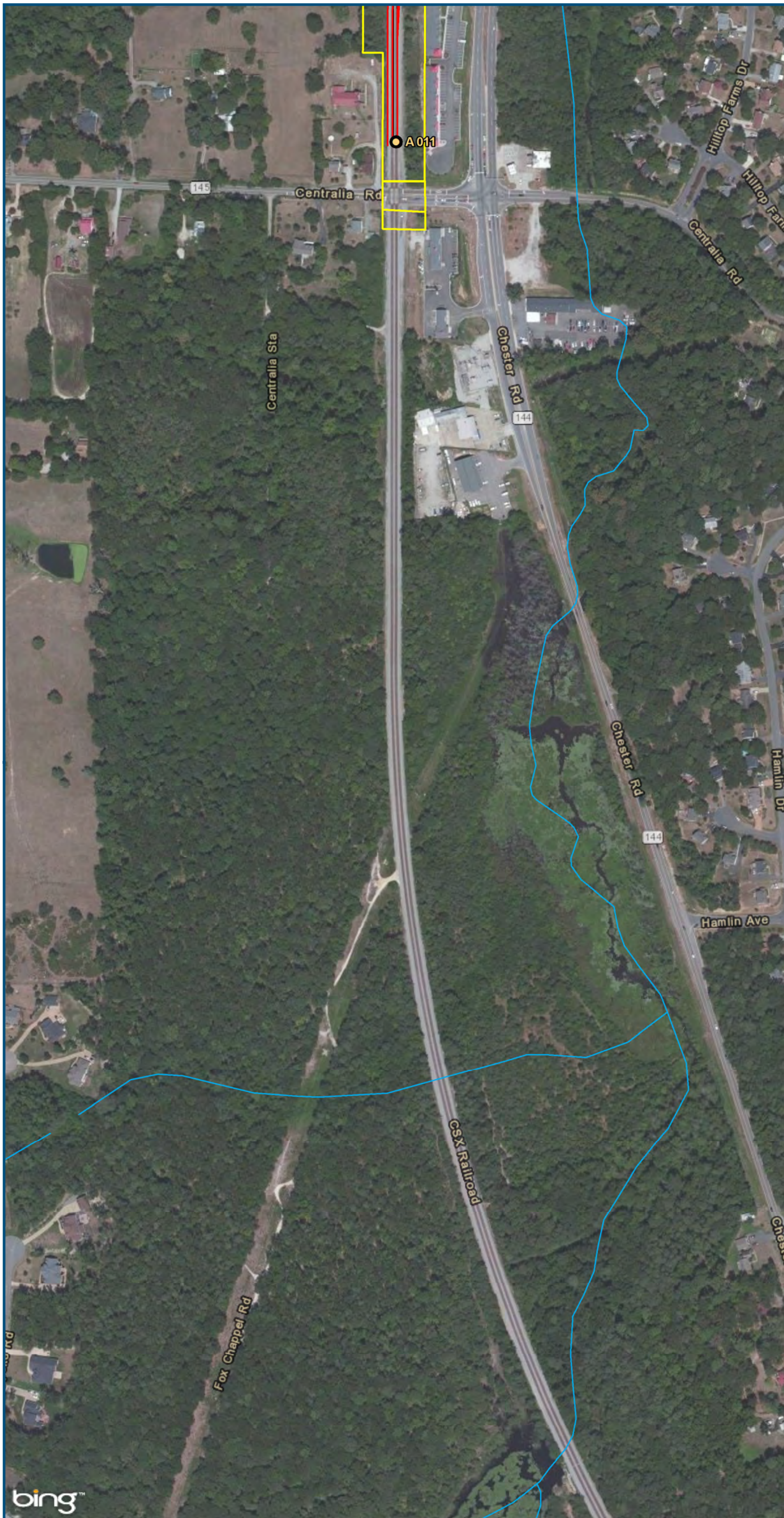
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

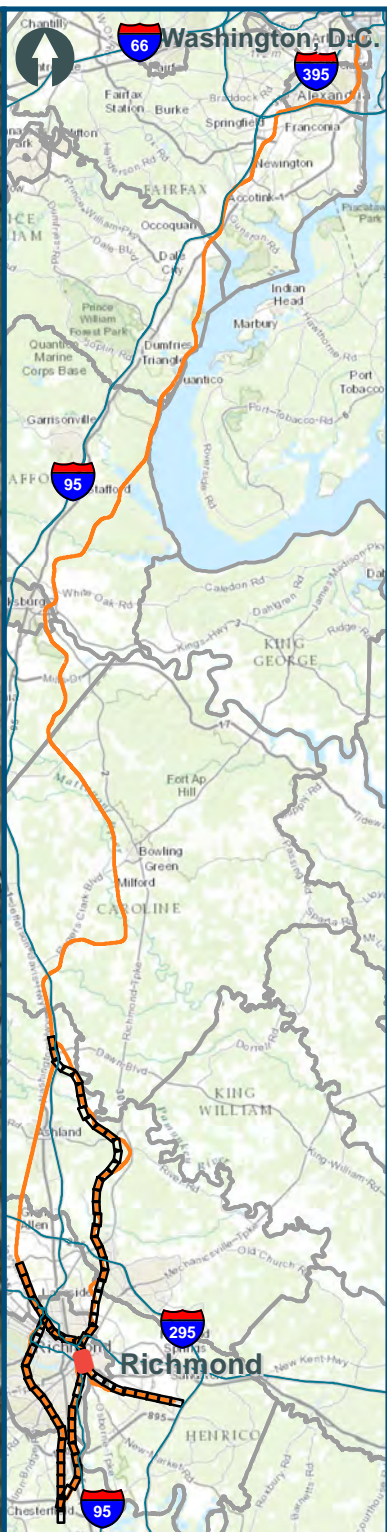
Figure W-42
Richmond Segment
Unconstrained
Alignment Option



0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-43
Richmond Segment
Unconstrained
Alignment Option

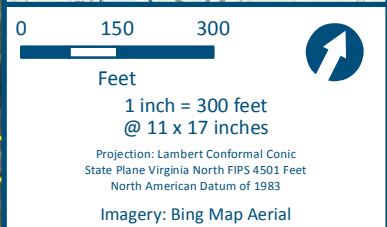
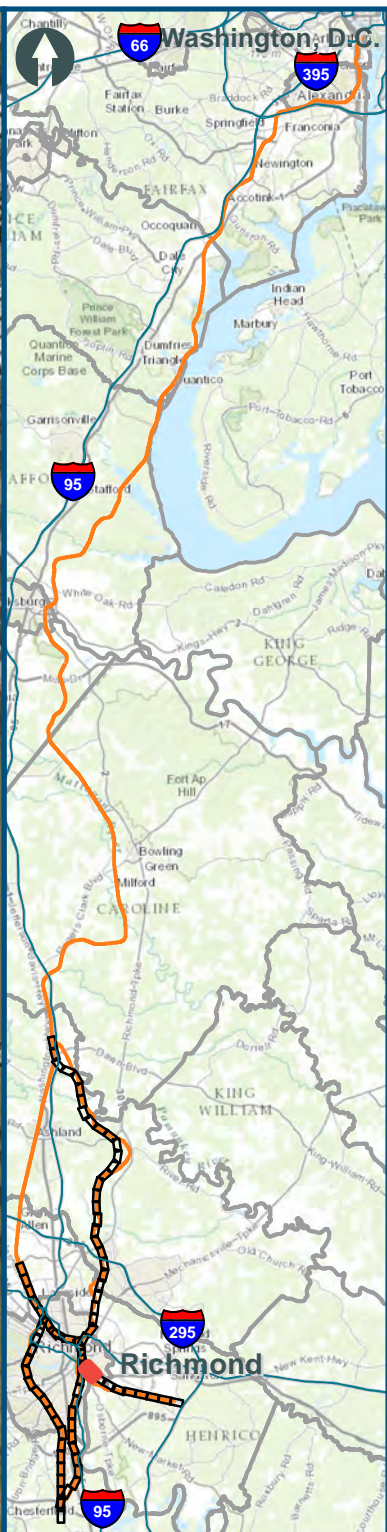


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-44
Richmond Segment
Unconstrained
Alignment Option

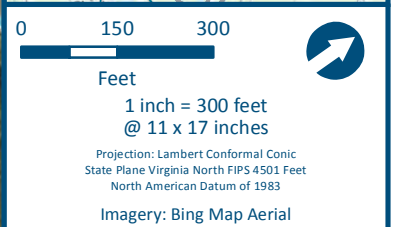
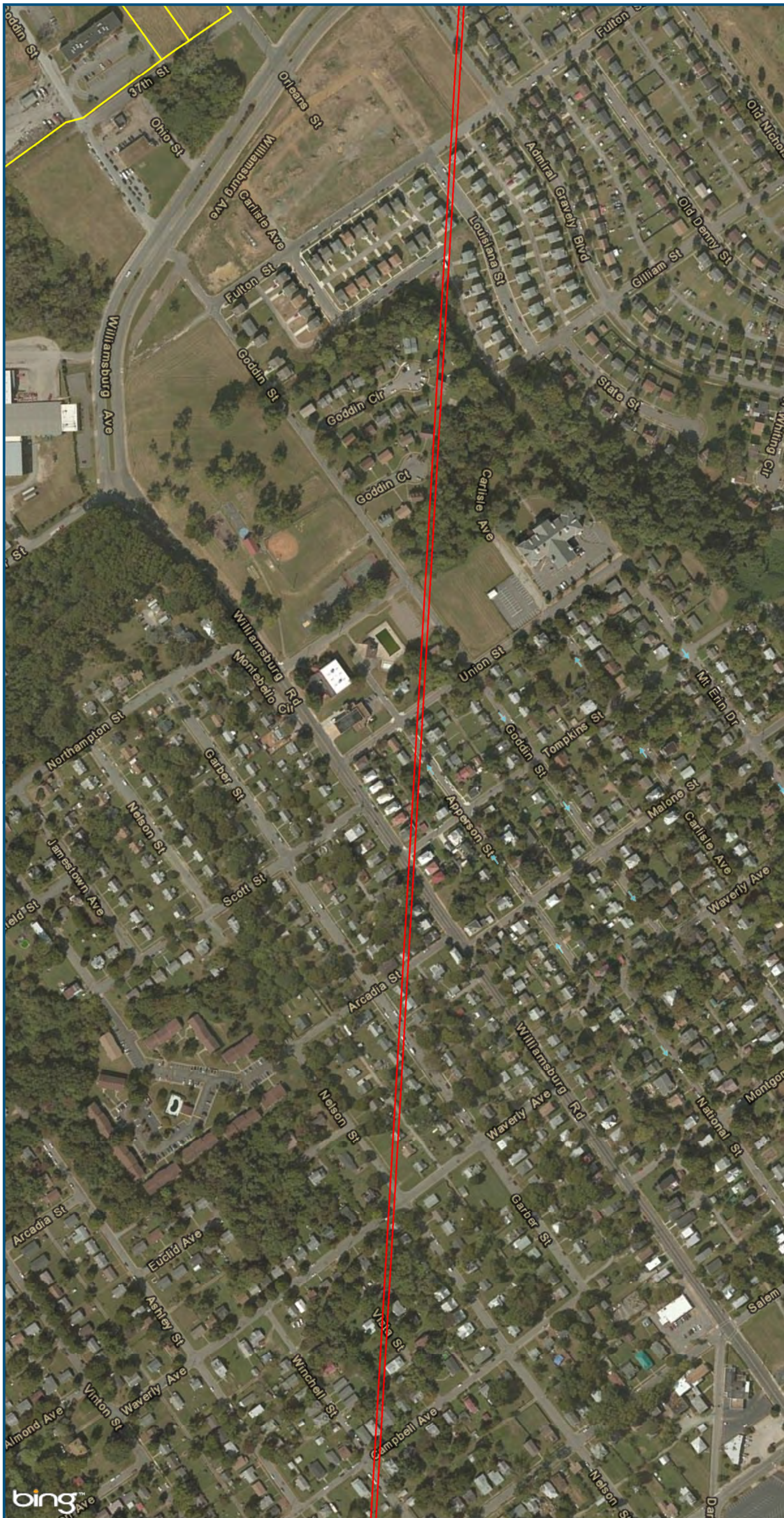
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-45
Richmond Segment
Unconstrained
Alignment Option

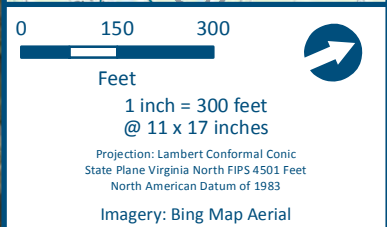
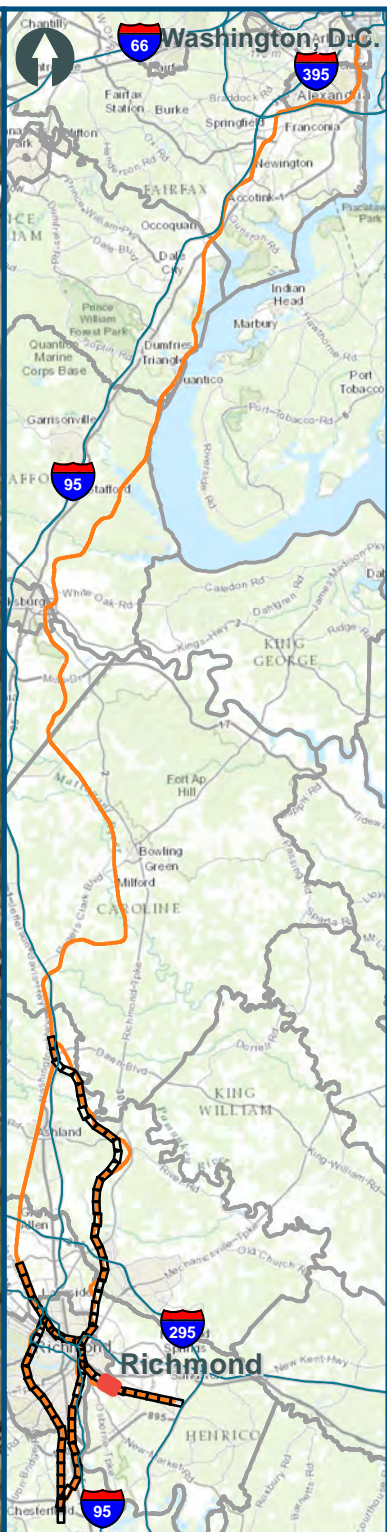
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- Legend**
- CSXT Mileposts
 - New Track
 - CSXT Right-of-Way

Figure W-46
Richmond Segment
Unconstrained
Alignment Option

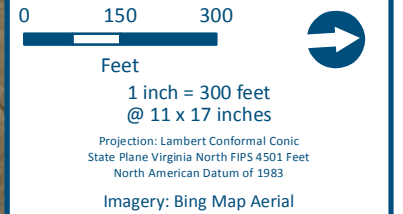
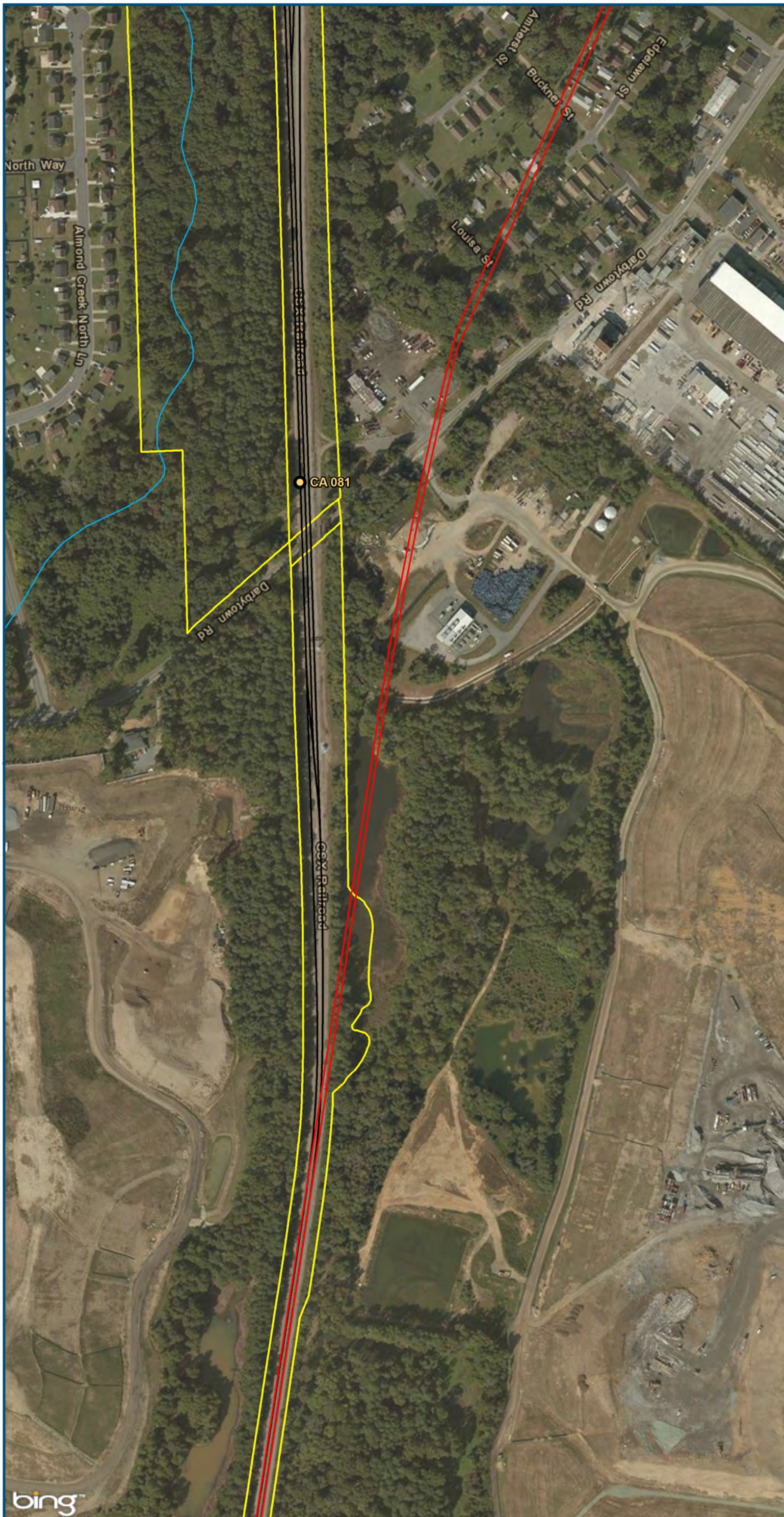
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- Legend**
- CSXT Mileposts
 - New Track
 - CSXT Right-of-Way

Figure W-47
Richmond Segment
Unconstrained
Alignment Option

\\cslmain\gis_data\GIS\Projects\011545_VADepotRailPublicTransportation\0239056_RAPS-4AllDev-ConceptEng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015

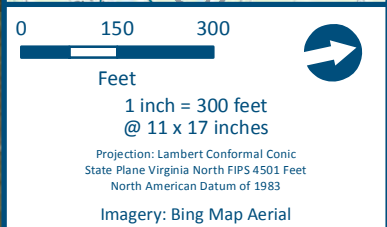
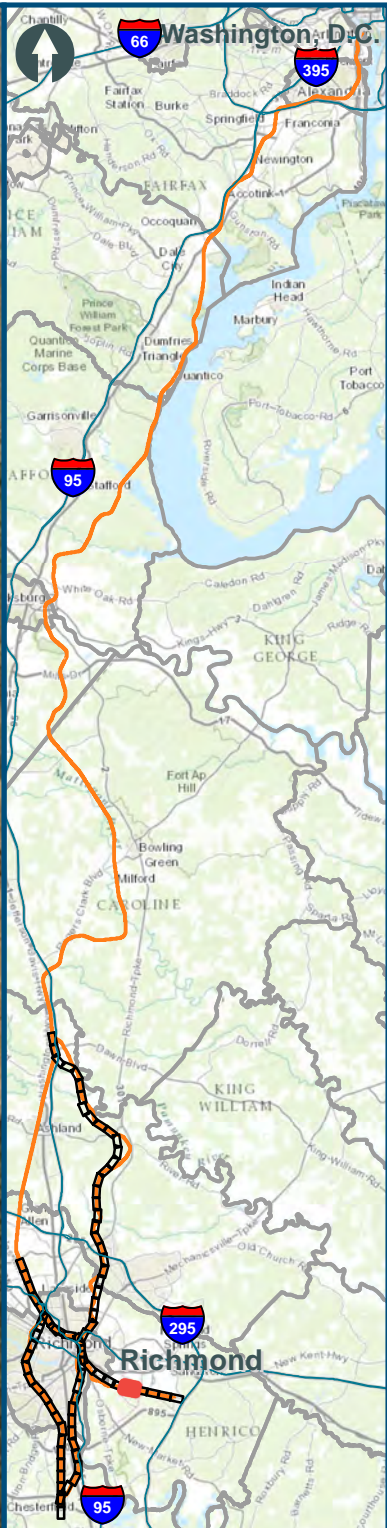
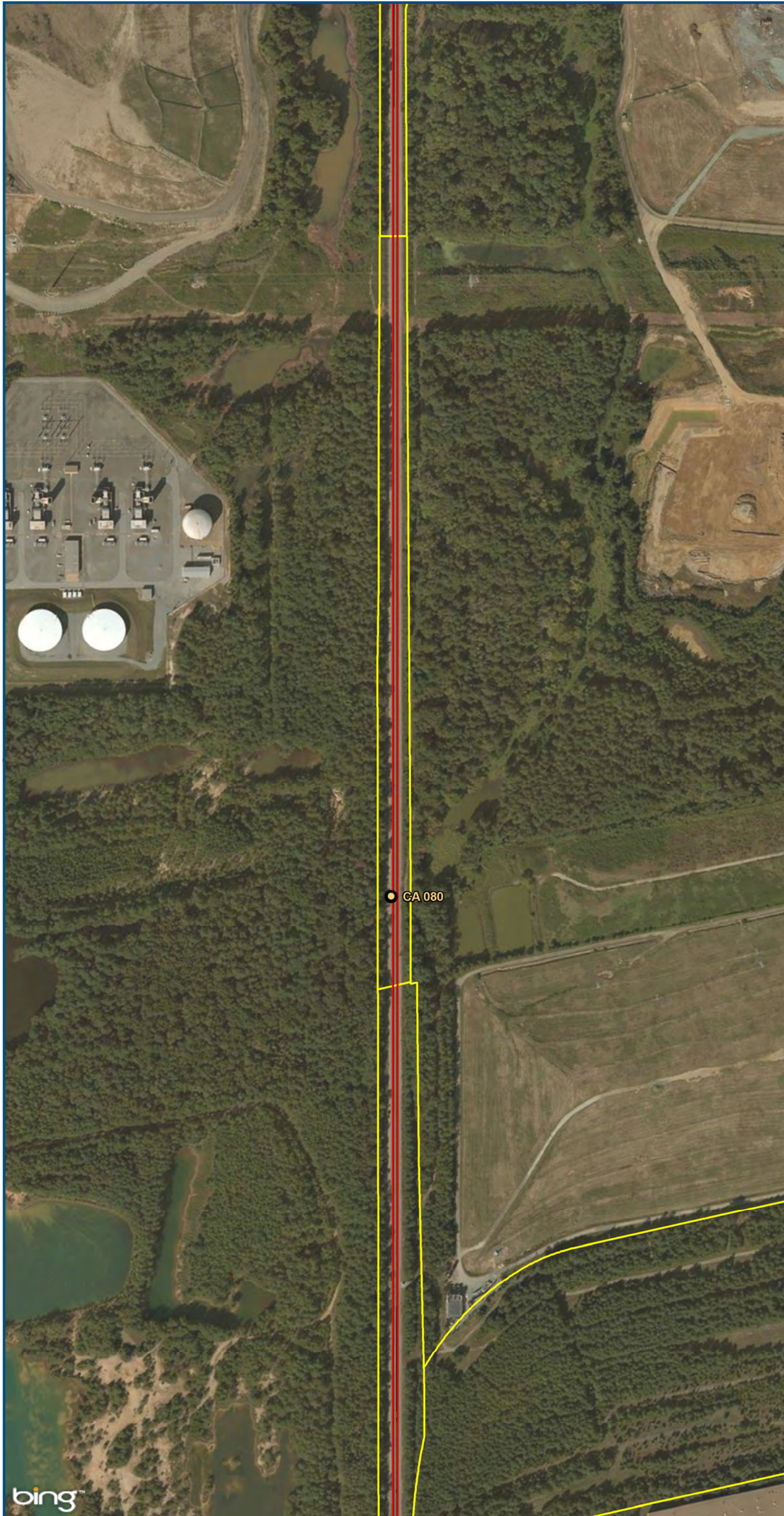


- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-48
Richmond Segment
Unconstrained
Alignment Option

\\cslmain\gis_data\GIS\Projects\011545_VADepotofRails-PublicTransportation\0239056_RAPS-4\Dev-ConceptEng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015

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- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-49
Richmond Segment
Unconstrained
Alignment Option

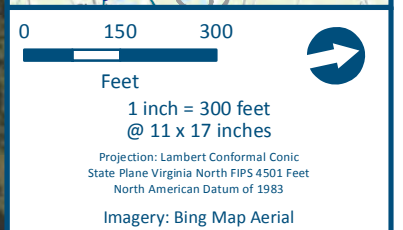
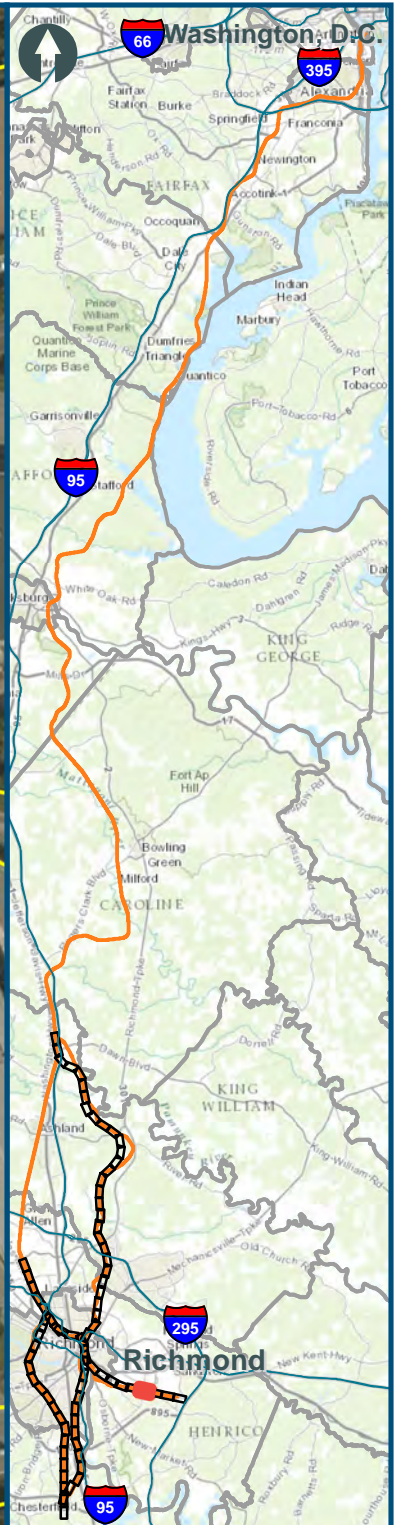
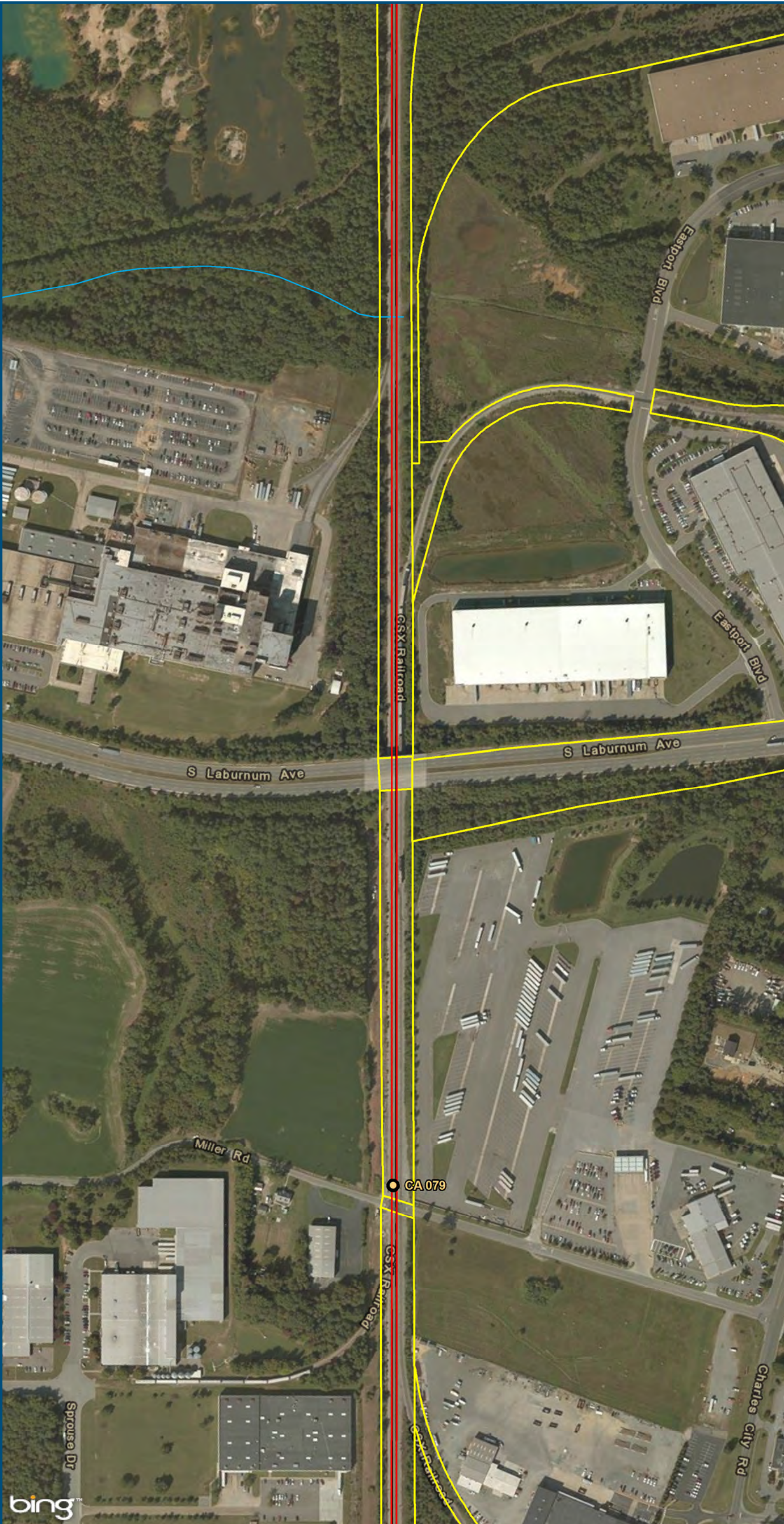


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

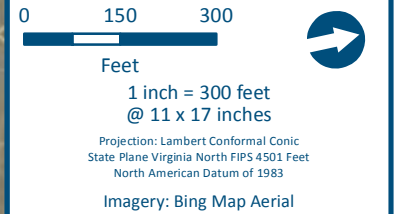
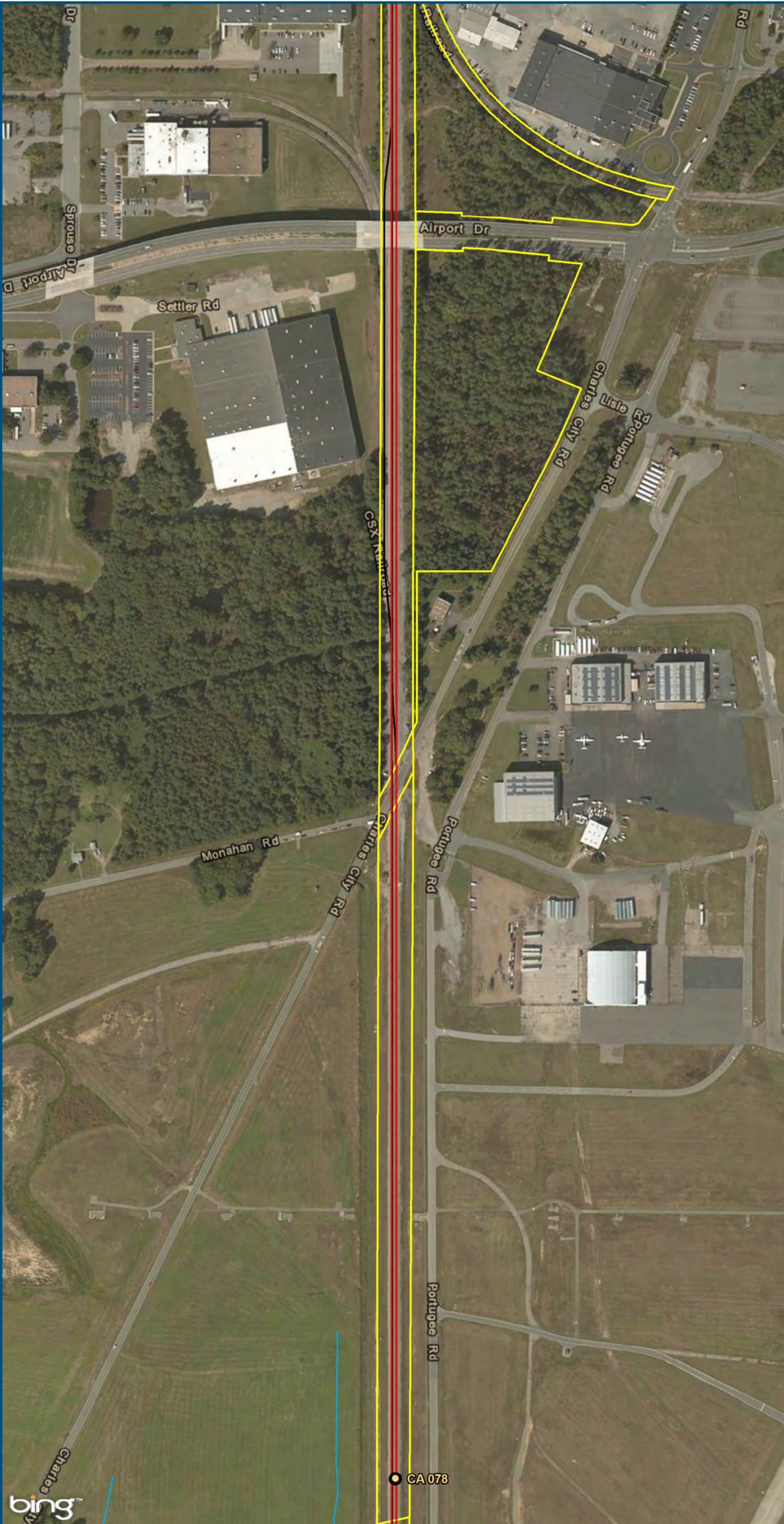
- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-50
Richmond Segment
Unconstrained
Alignment Option

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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-51
Richmond Segment
Unconstrained
Alignment Option

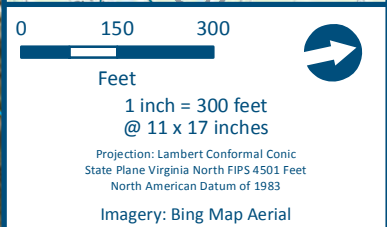
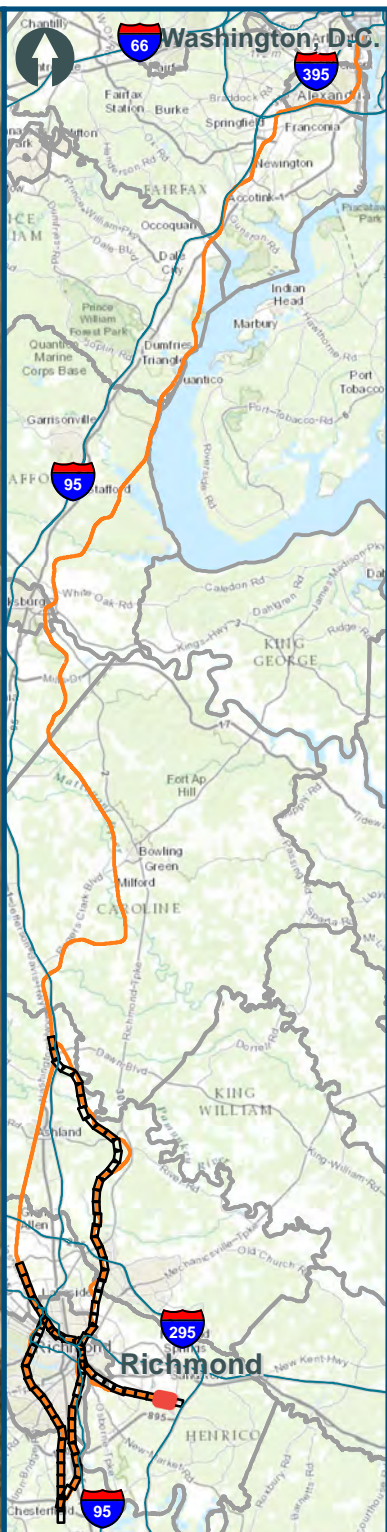
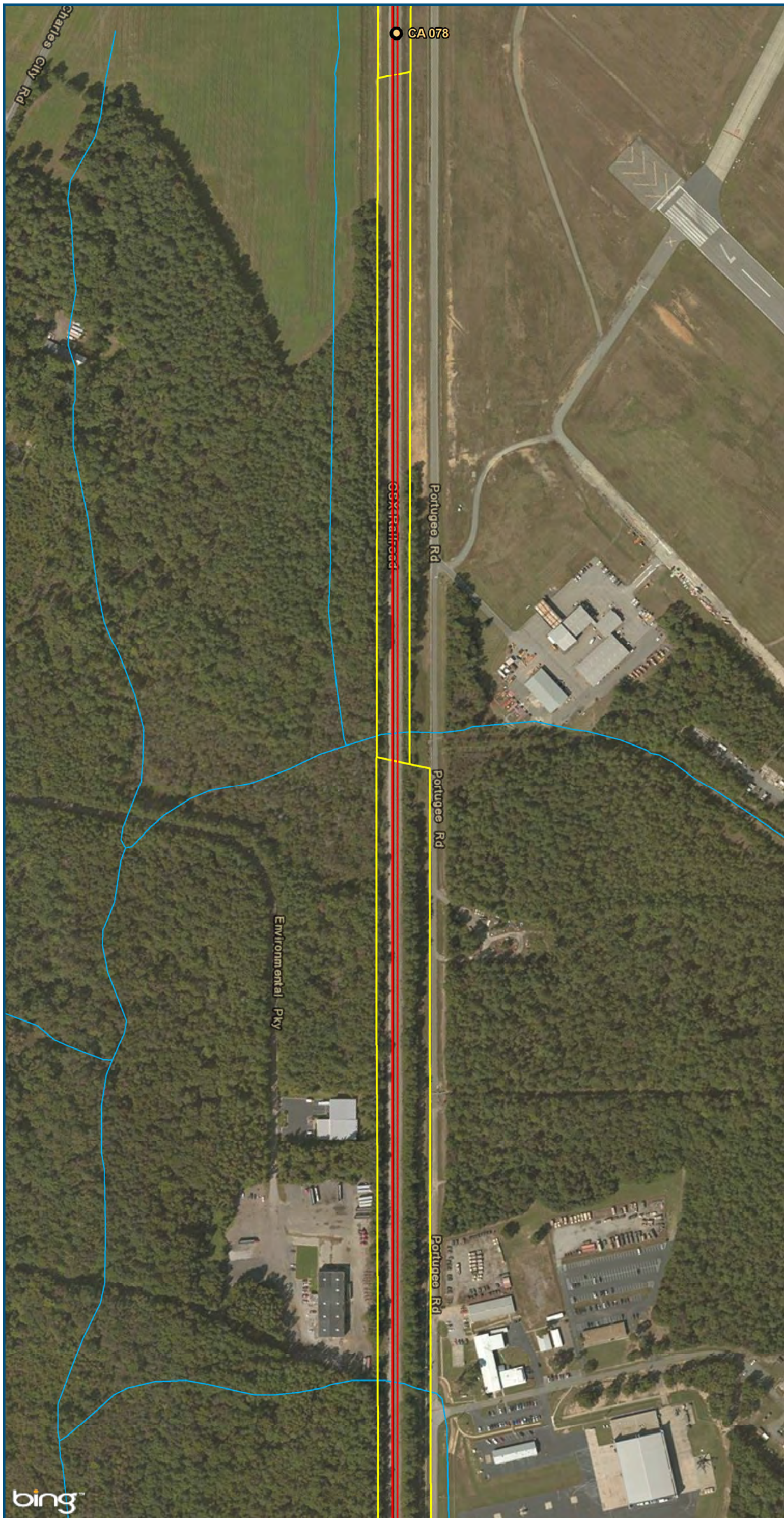
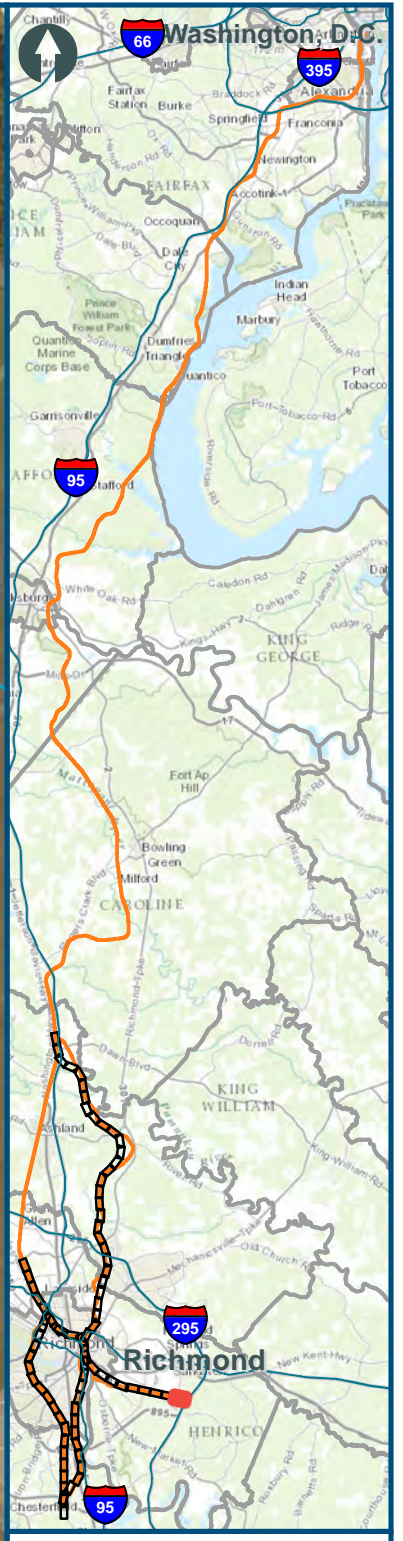


Figure W-52
Richmond Segment
Unconstrained
Alignment Option

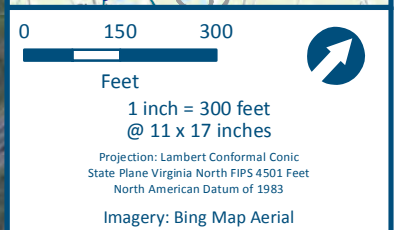
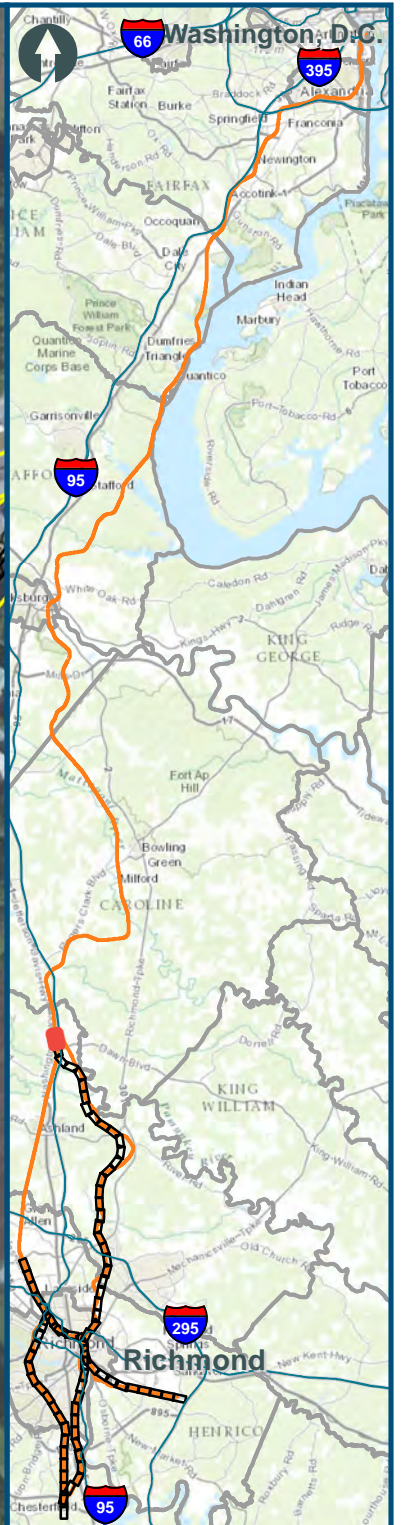
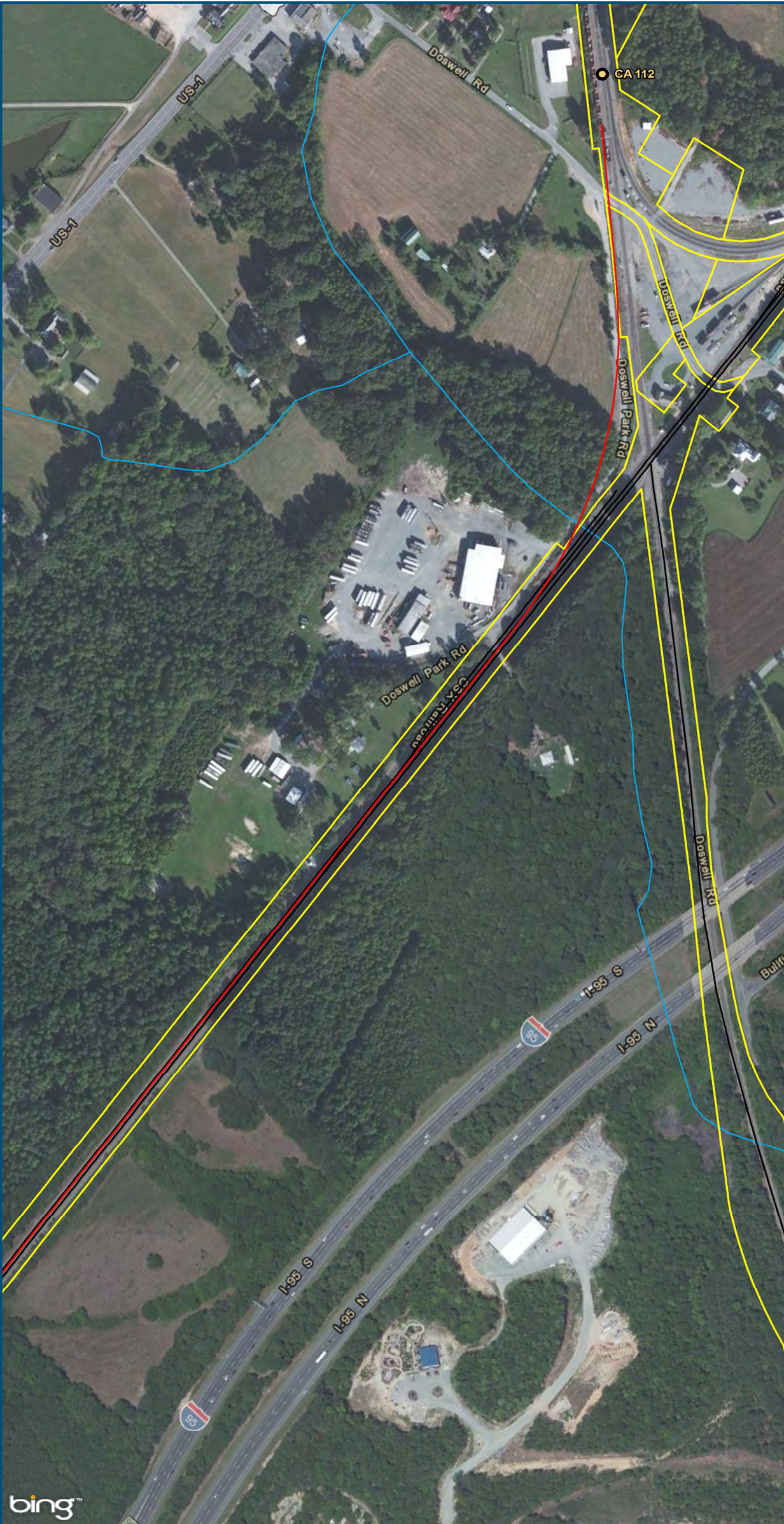
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-53
Richmond Segment
Unconstrained
Alignment Option



- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-54
Richmond Segment
Unconstrained
Alignment Option

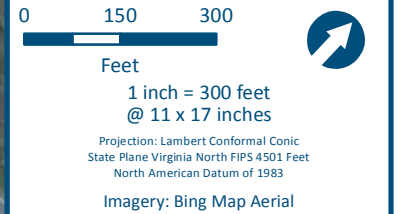
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-55
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

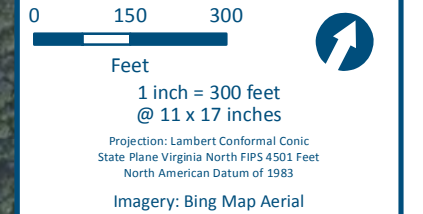
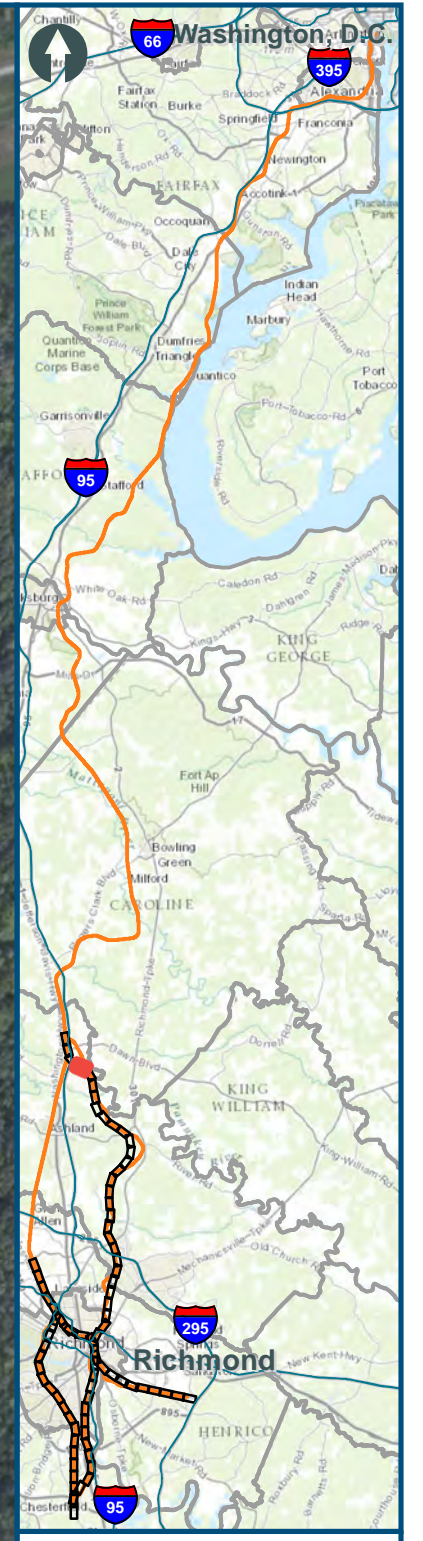
- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-56
Richmond Segment
Unconstrained
Alignment Option



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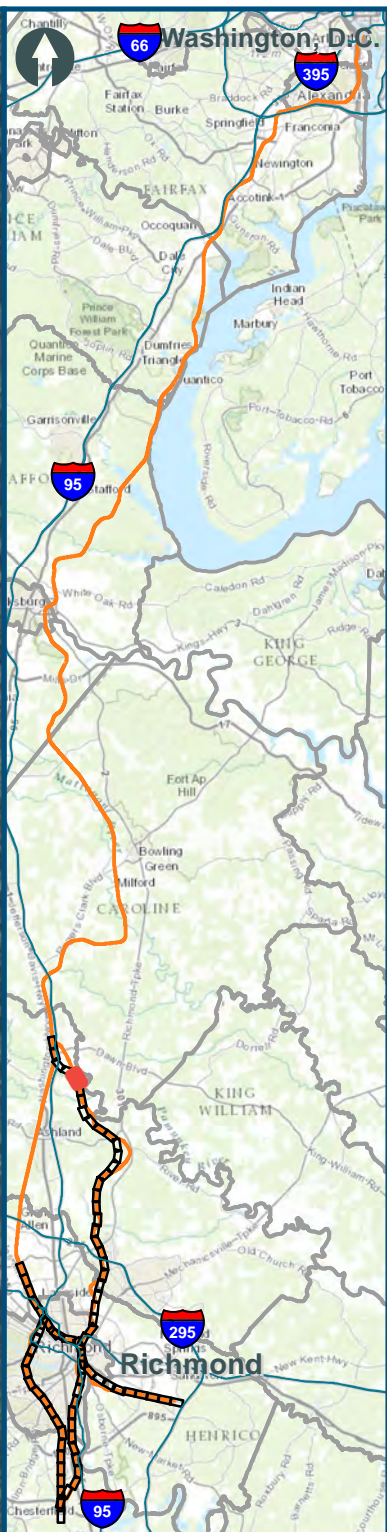
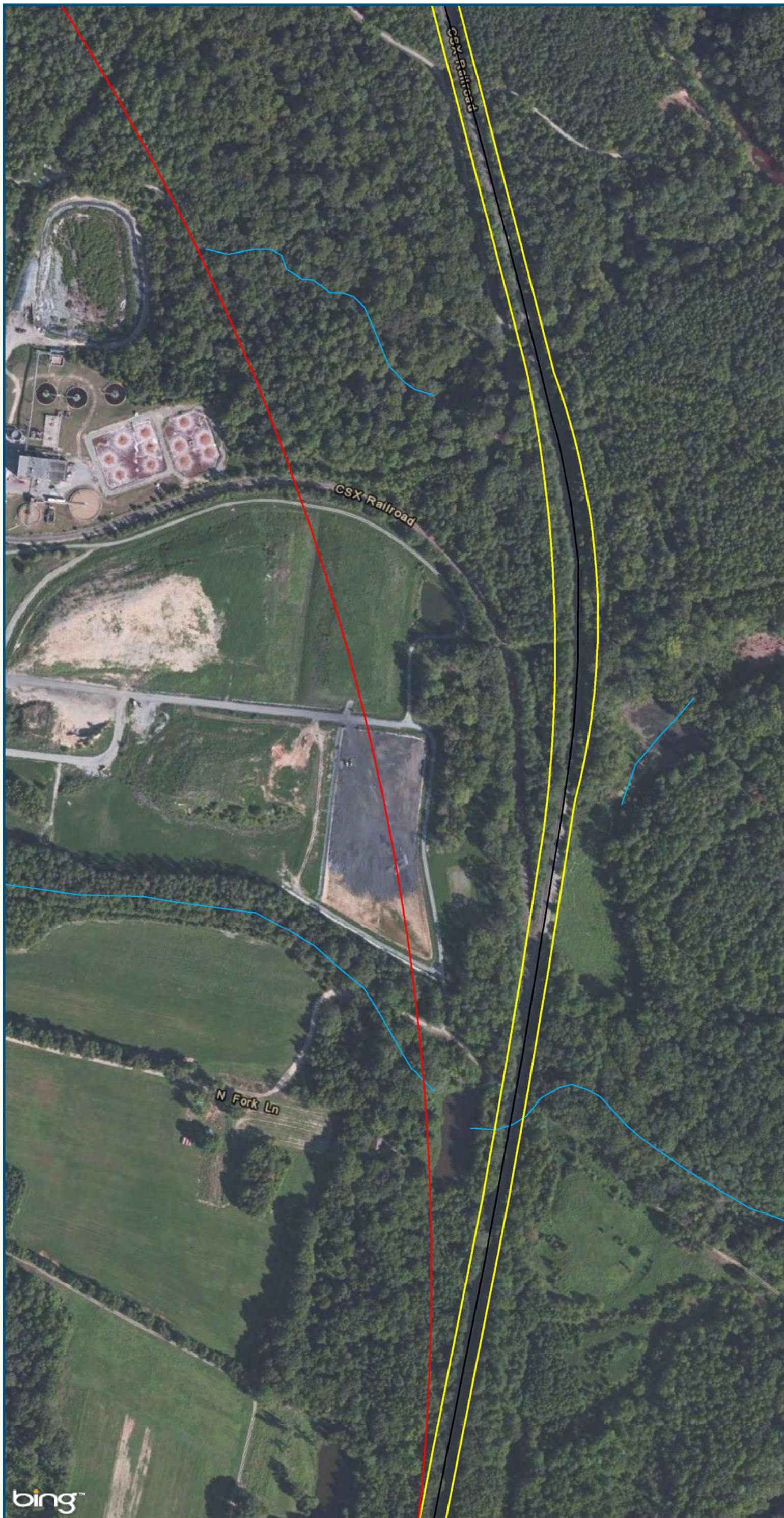


- Legend**
- CSXT Mileposts
 - New Track
 - CSXT Right-of-Way

Figure W-57
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-58
Richmond Segment
Unconstrained
Alignment Option

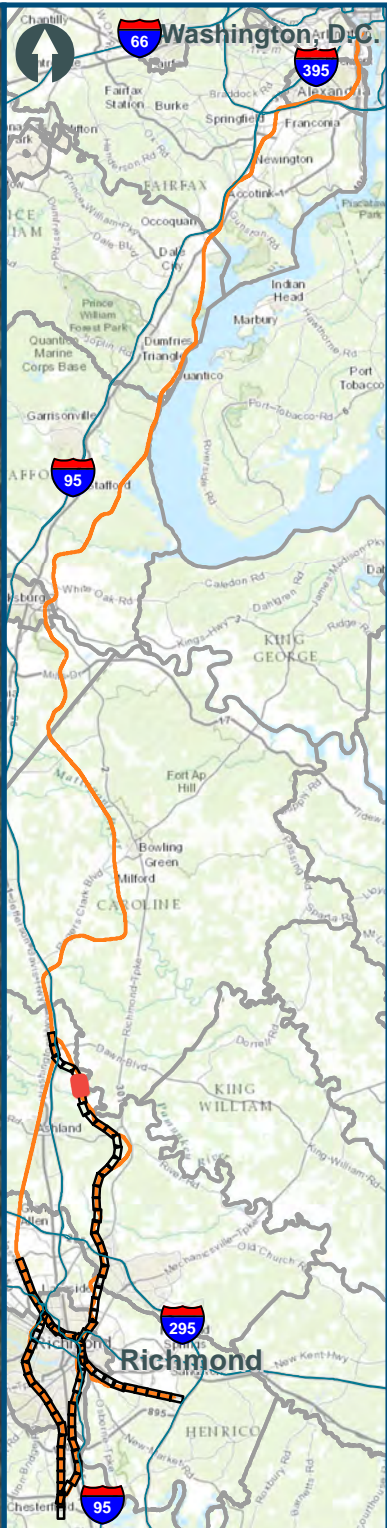


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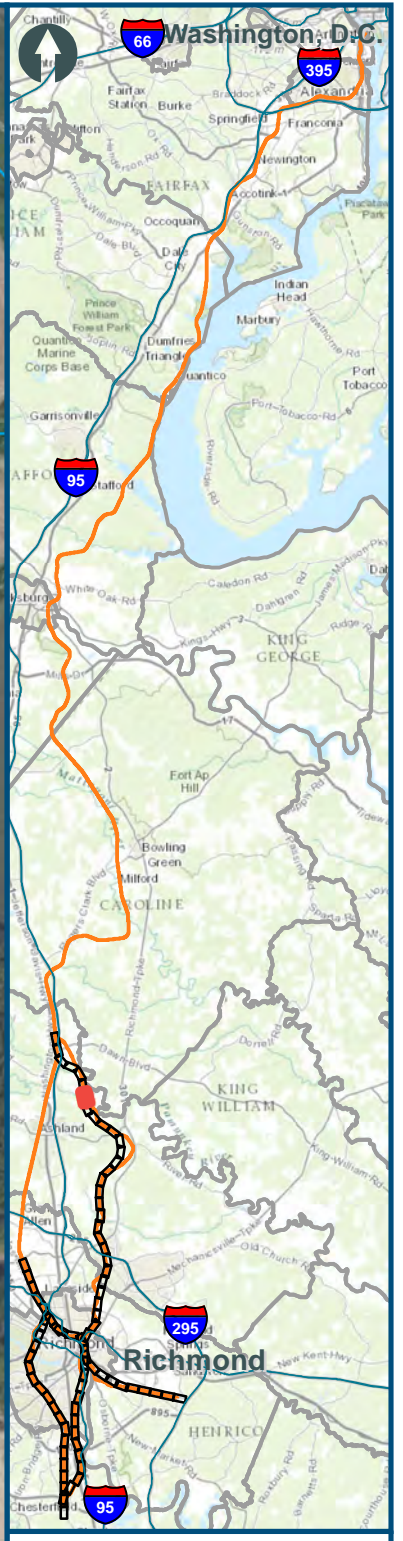


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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-59
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

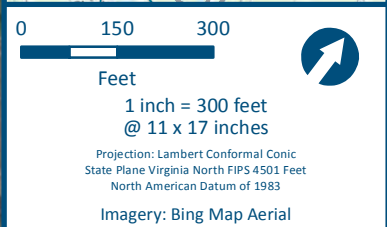
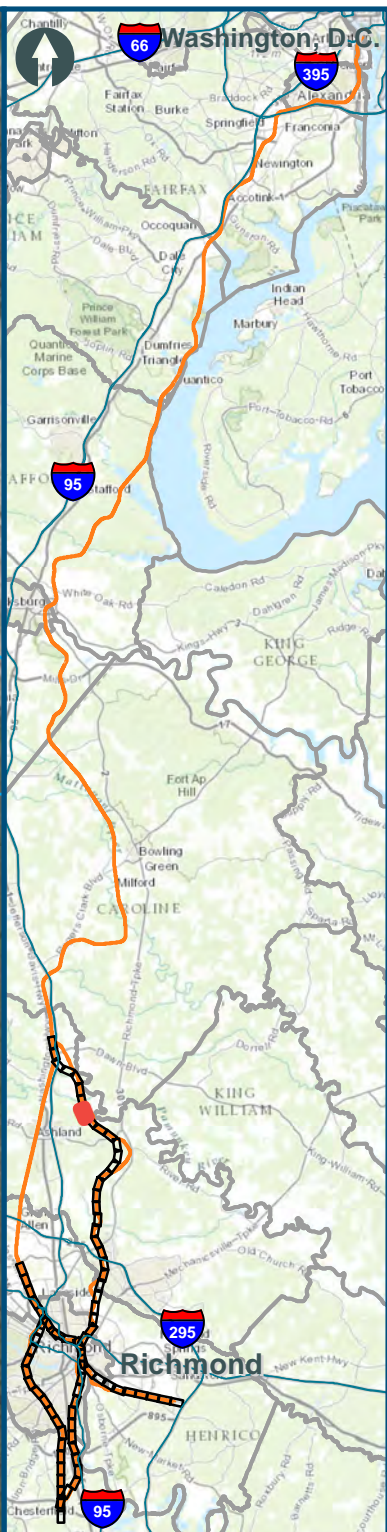
Figure W-60
Richmond Segment
Unconstrained
Alignment Option



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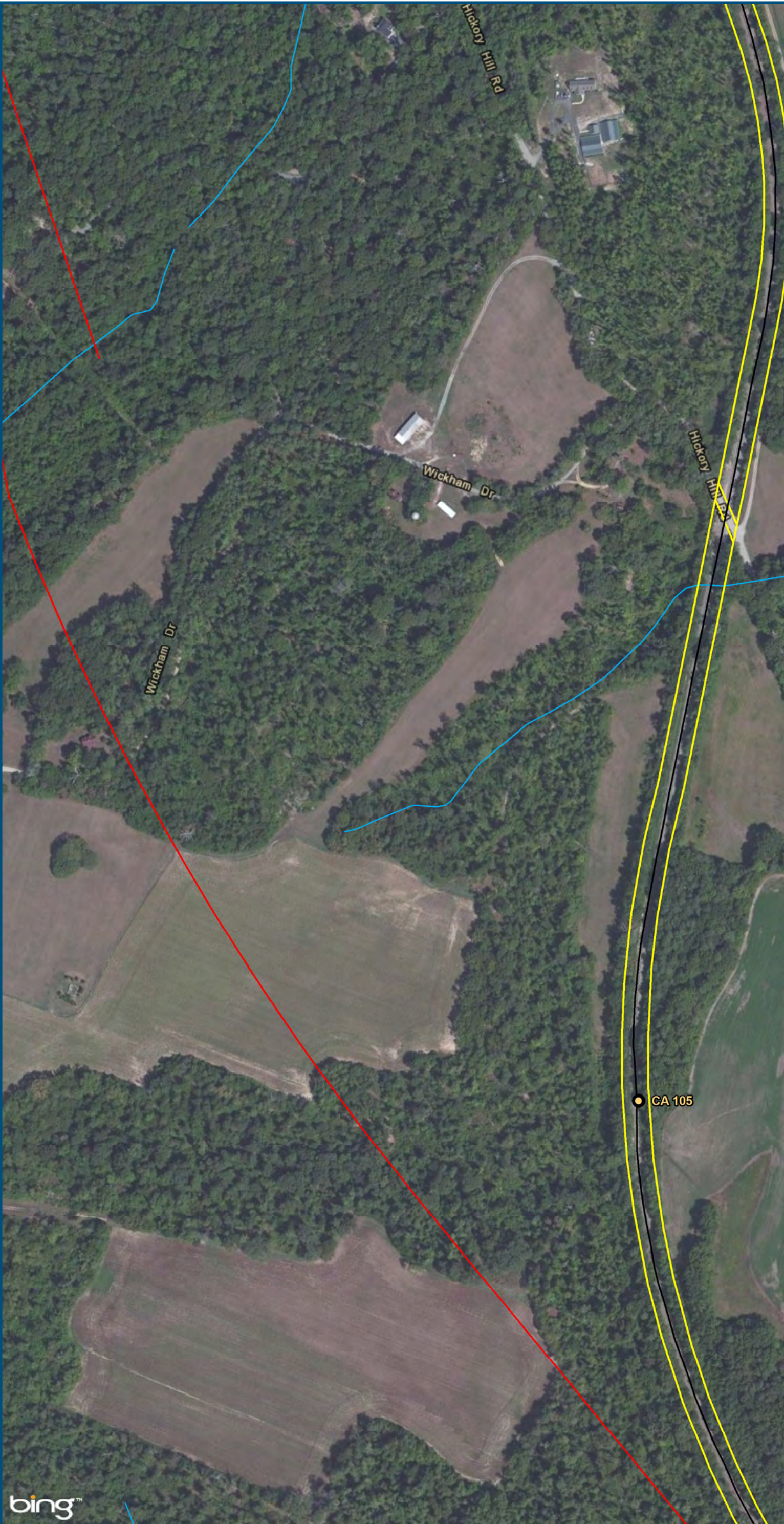
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- Legend**
-  CSXT Mileposts
 -  New Track
 -  CSXT Right-of-Way

Figure W-61
Richmond Segment
Unconstrained
Alignment Option

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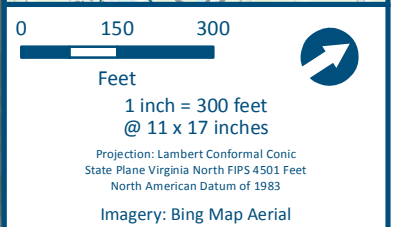


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Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-62
Richmond Segment
Unconstrained
Alignment Option

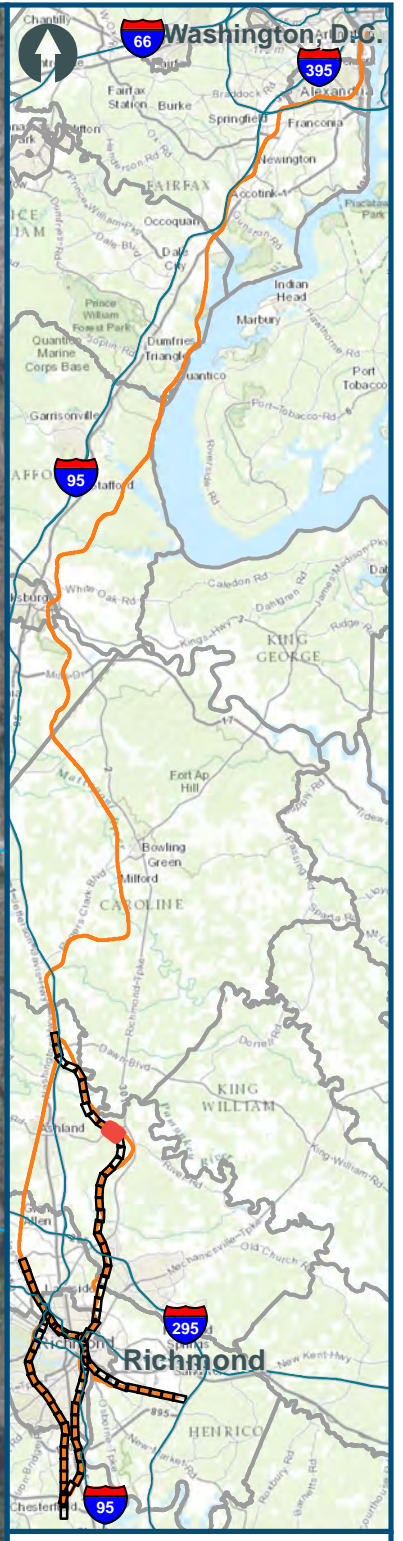
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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-63
Richmond Segment
Unconstrained
Alignment Option

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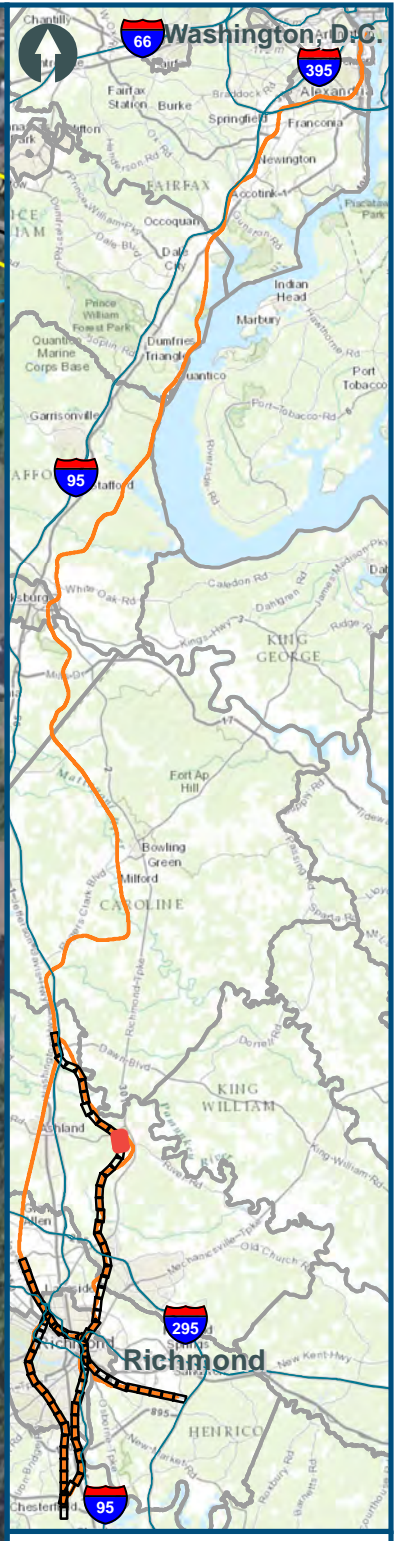


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-64
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-65
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - CSXT Right-of-Way

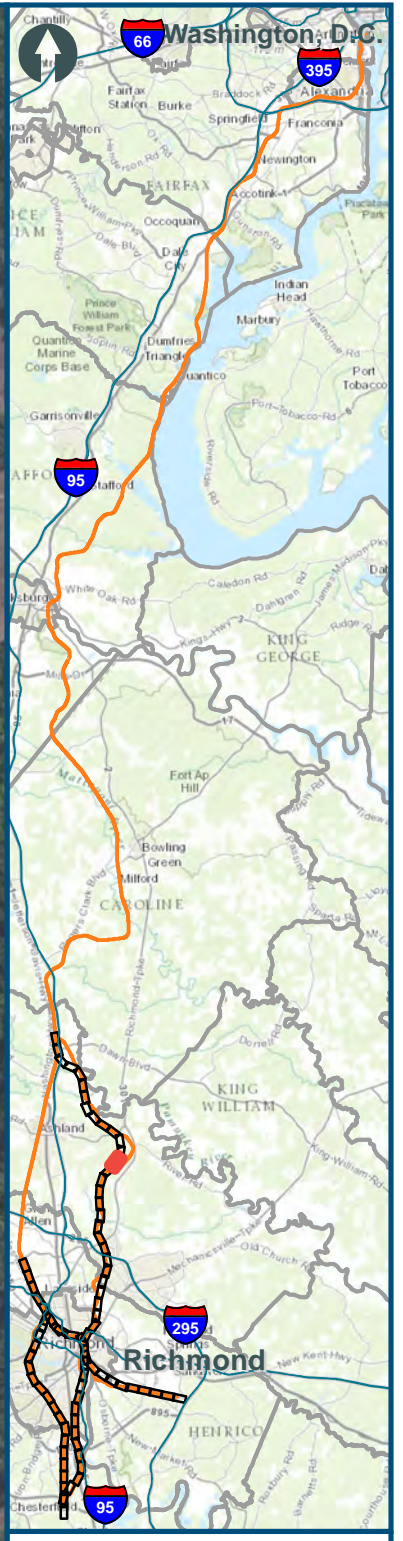
Figure W-66
Richmond Segment
Unconstrained
Alignment Option



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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - ▭ CSXT Right-of-Way

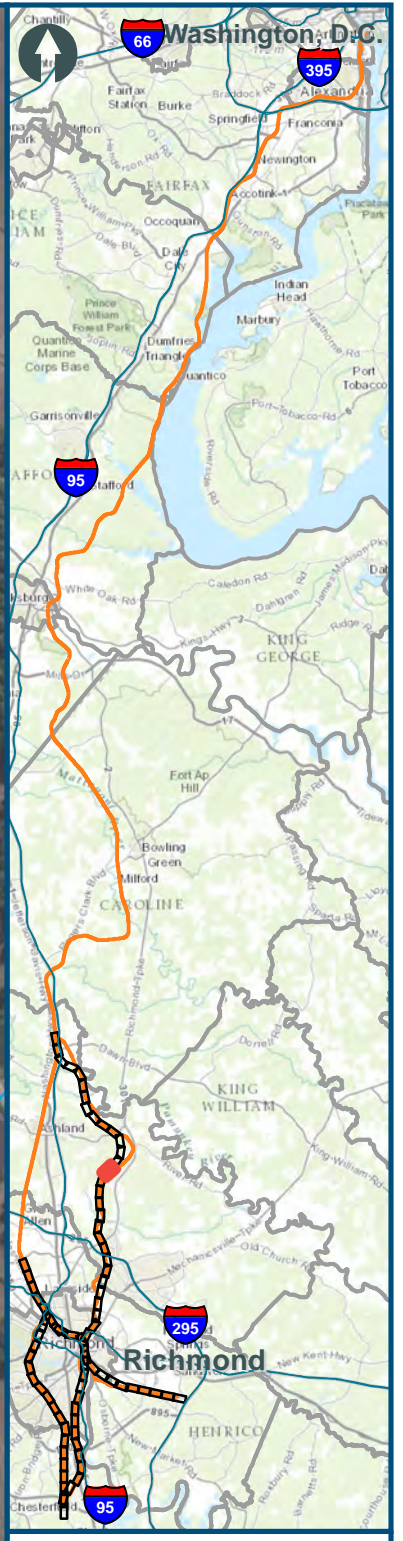
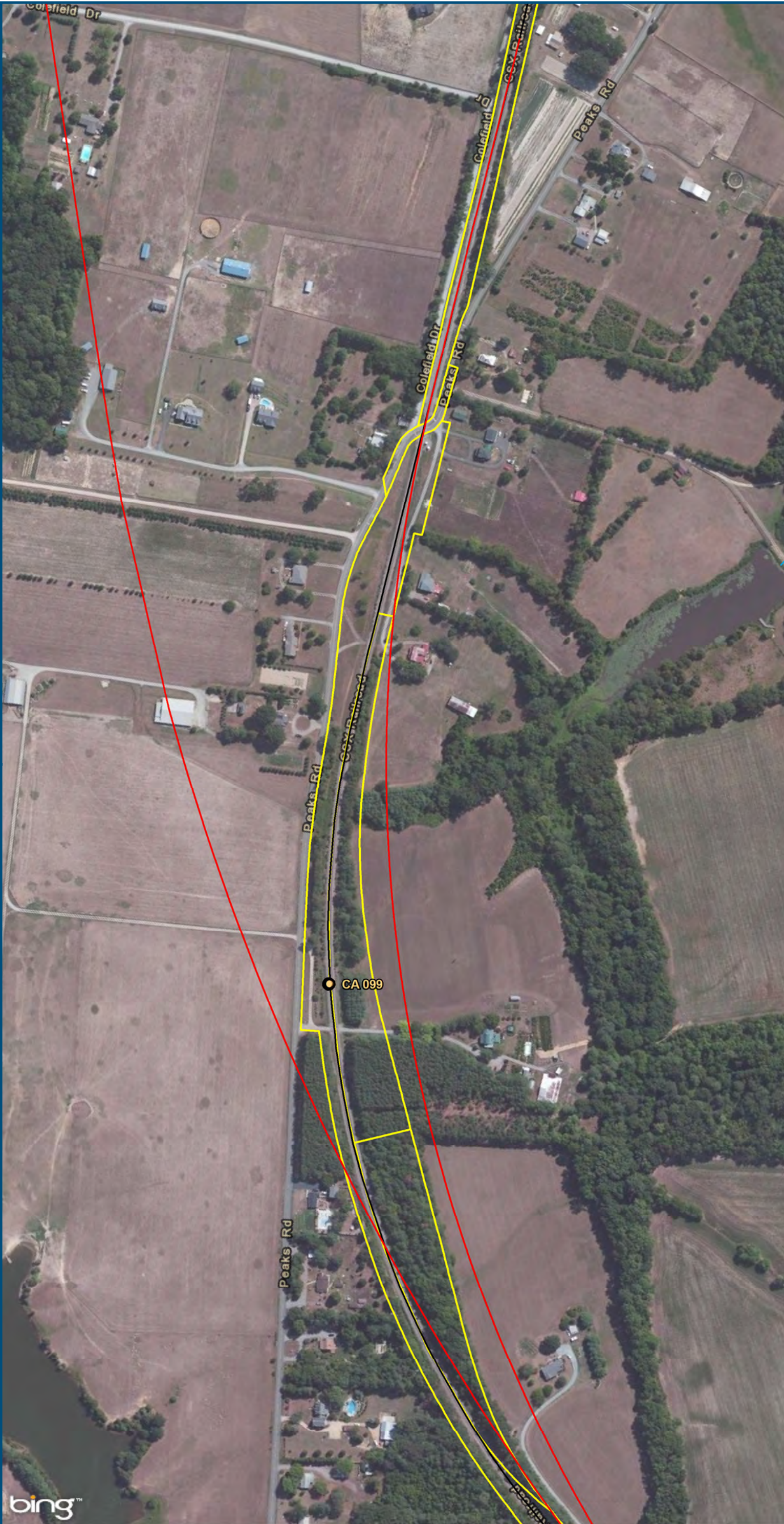
Figure W-67
Richmond Segment
Unconstrained
Alignment Option



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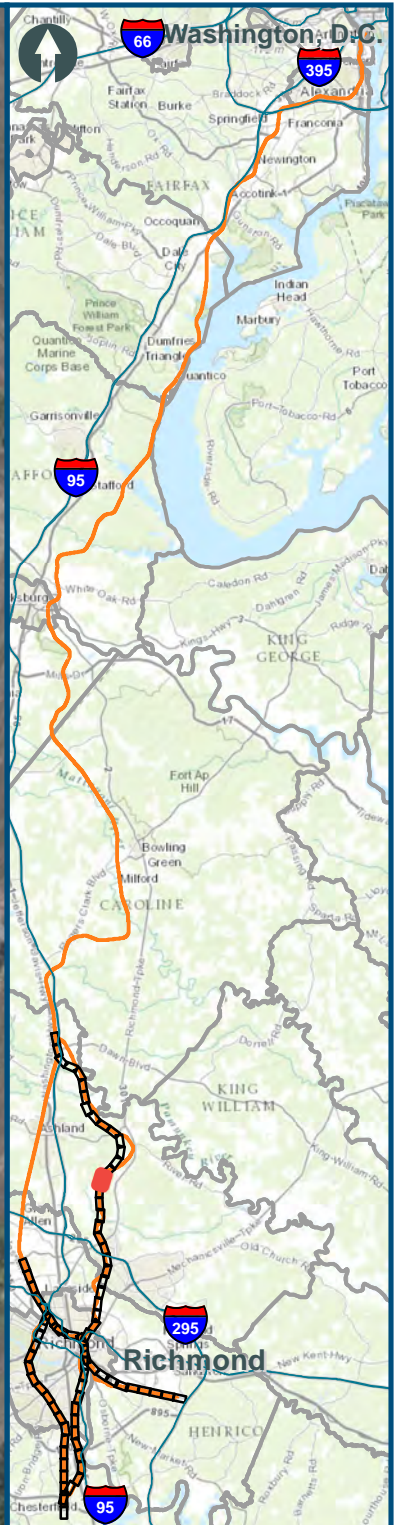
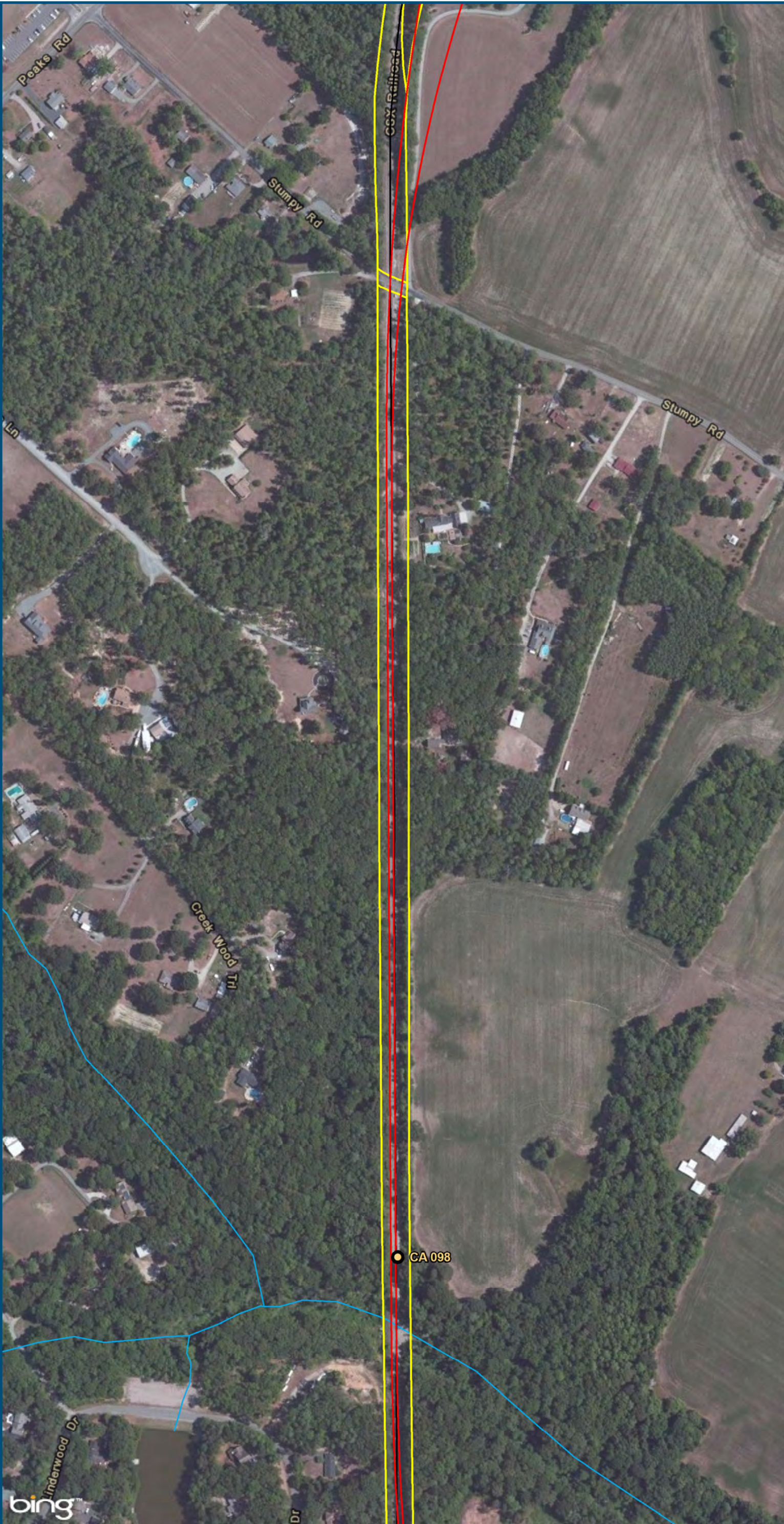


0 150 300
 Feet
 1 inch = 300 feet
 @ 11 x 17 inches
 Projection: Lambert Conformal Conic
 State Plane Virginia North FIPS 4501 Feet
 North American Datum of 1983
 Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-68
Richmond Segment
Unconstrained
Alignment Option

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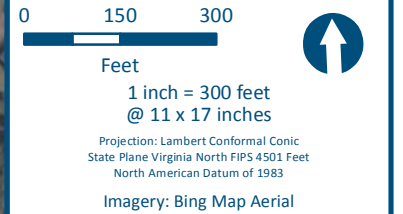
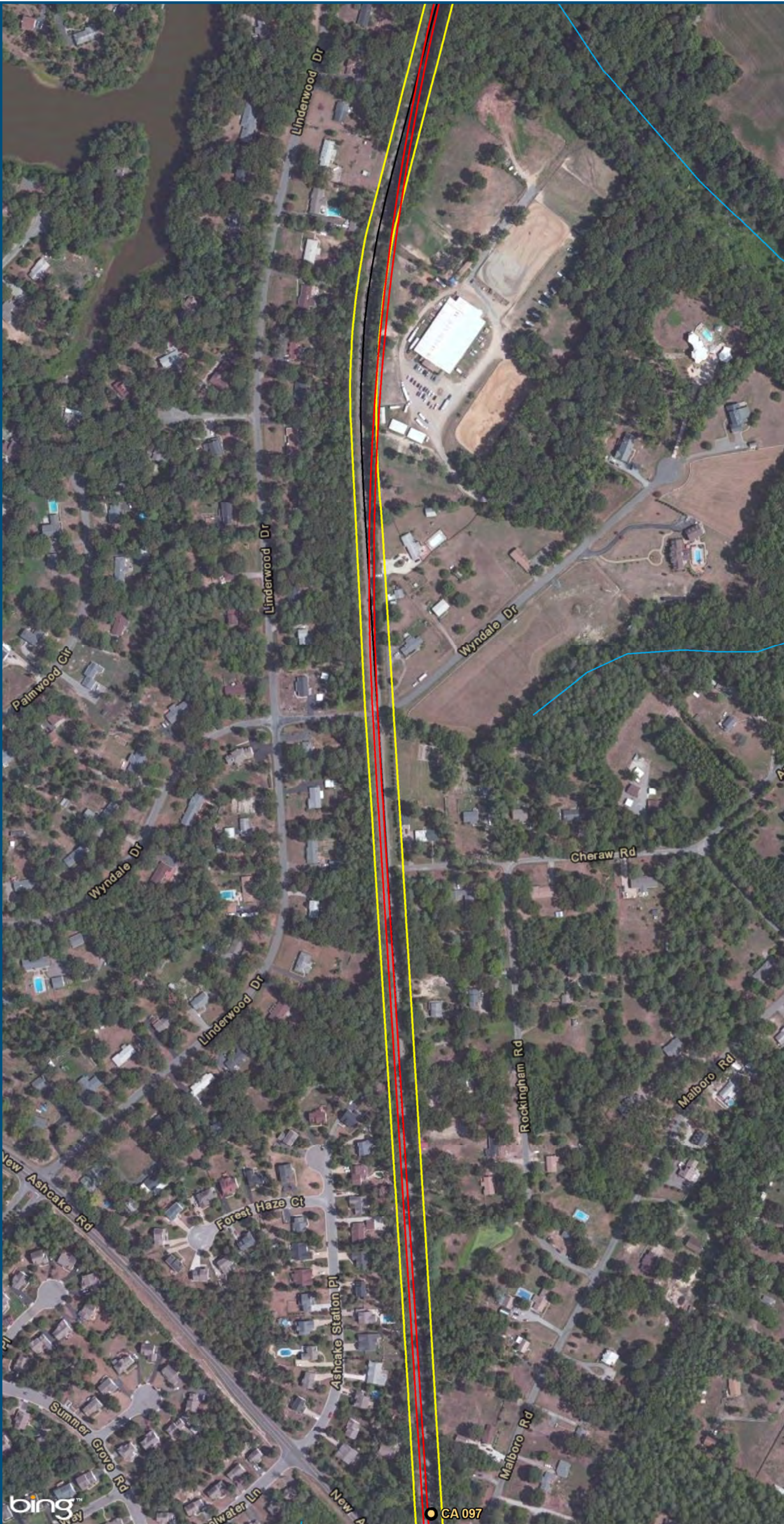


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

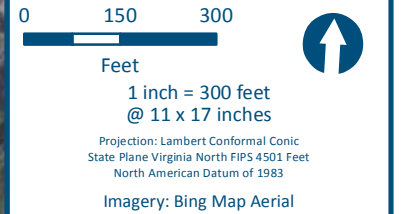
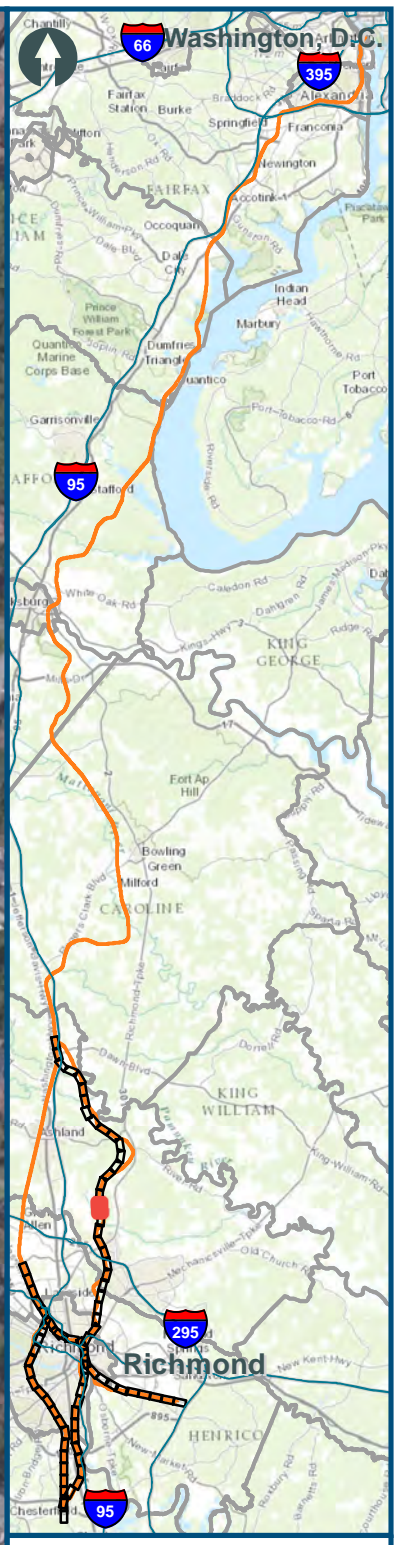
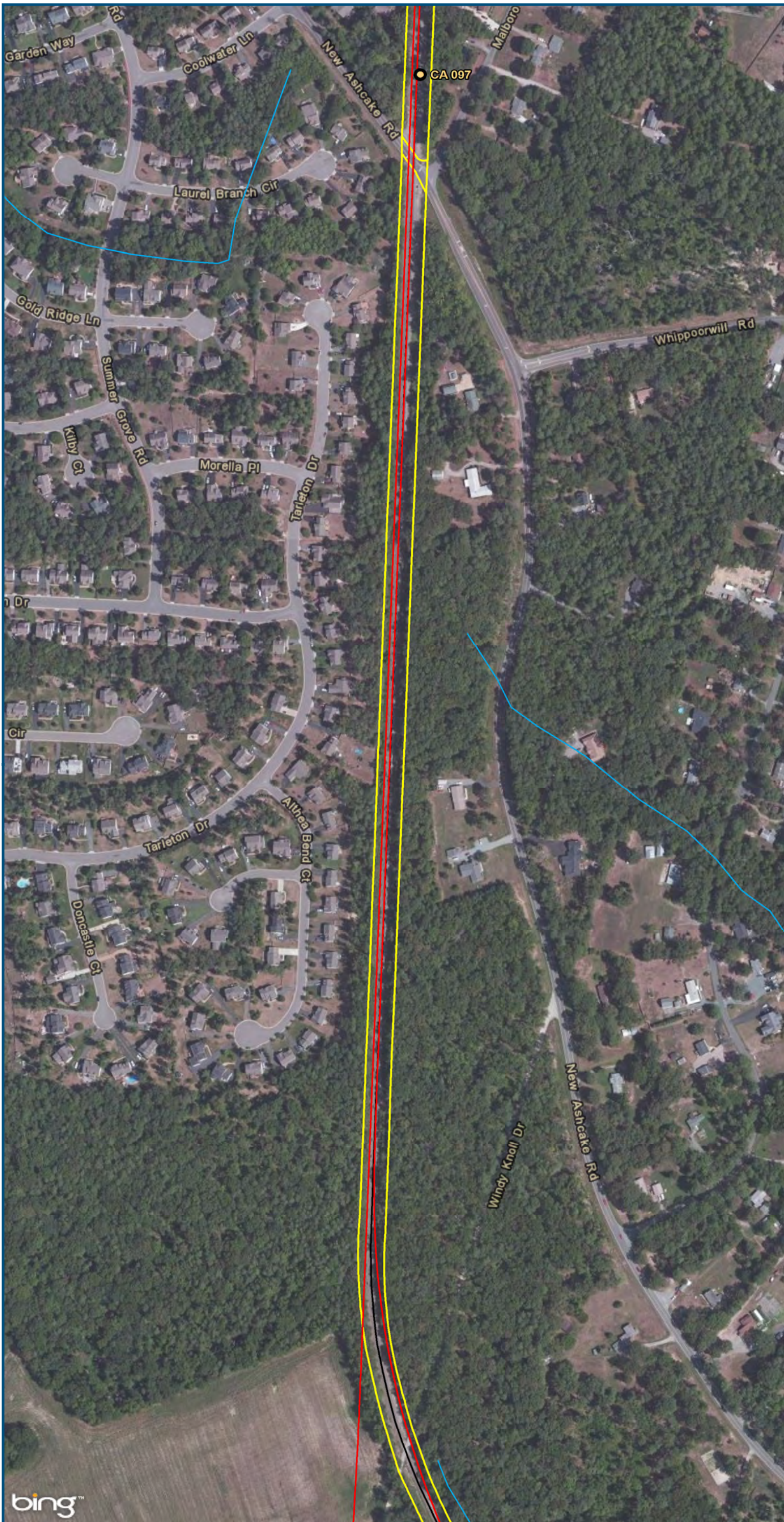
Figure W-69
Richmond Segment
Unconstrained
Alignment Option

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- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

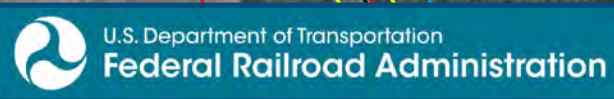
Figure W-70
Richmond Segment
Unconstrained
Alignment Option



- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-71
Richmond Segment
Unconstrained
Alignment Option

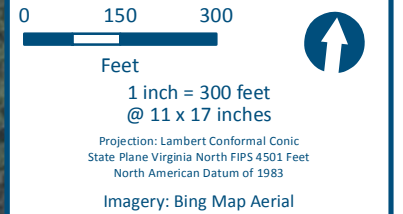
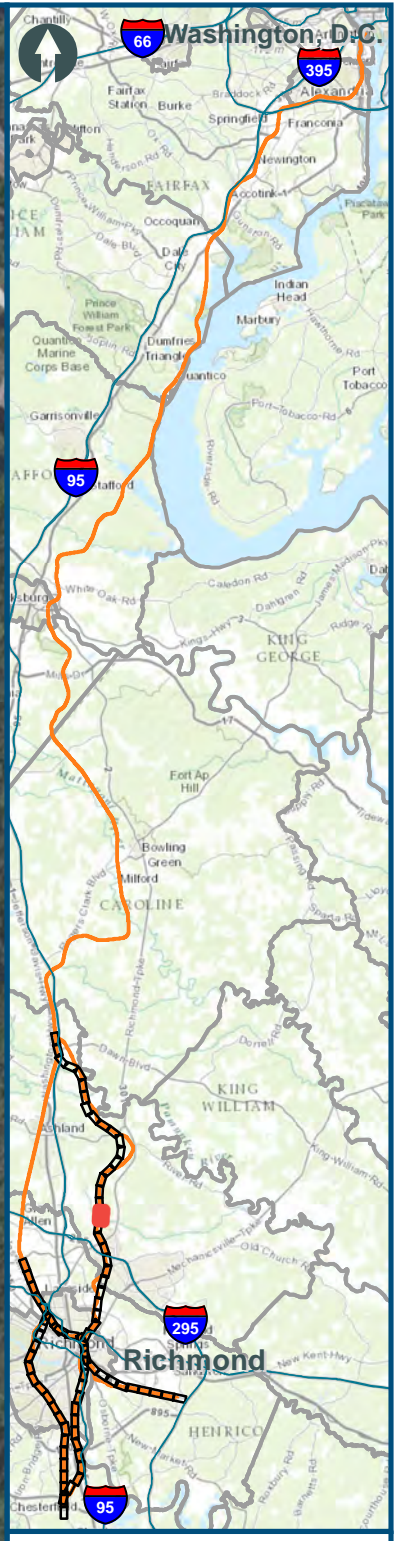
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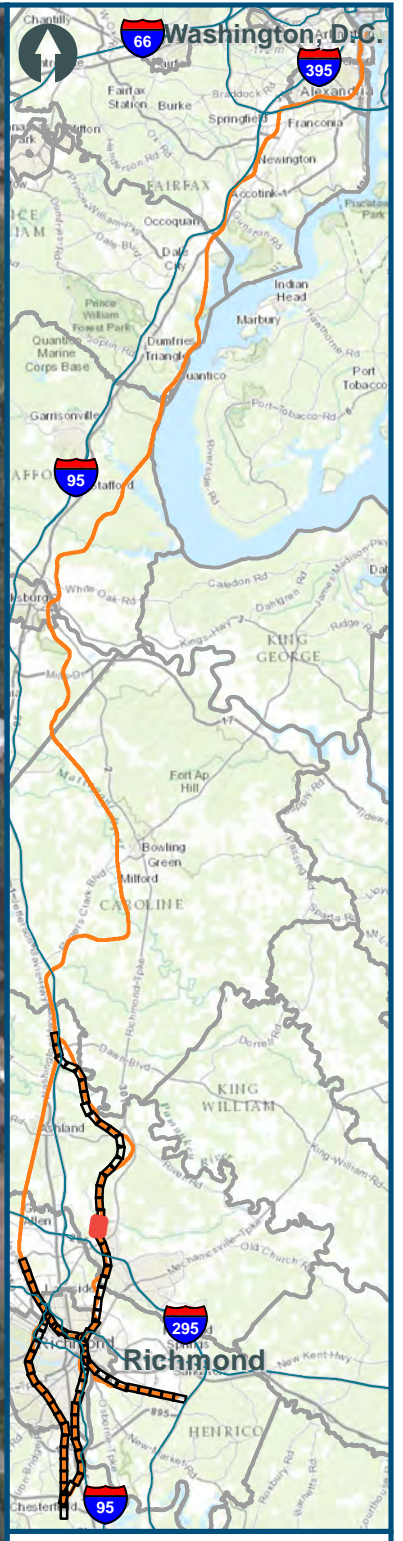
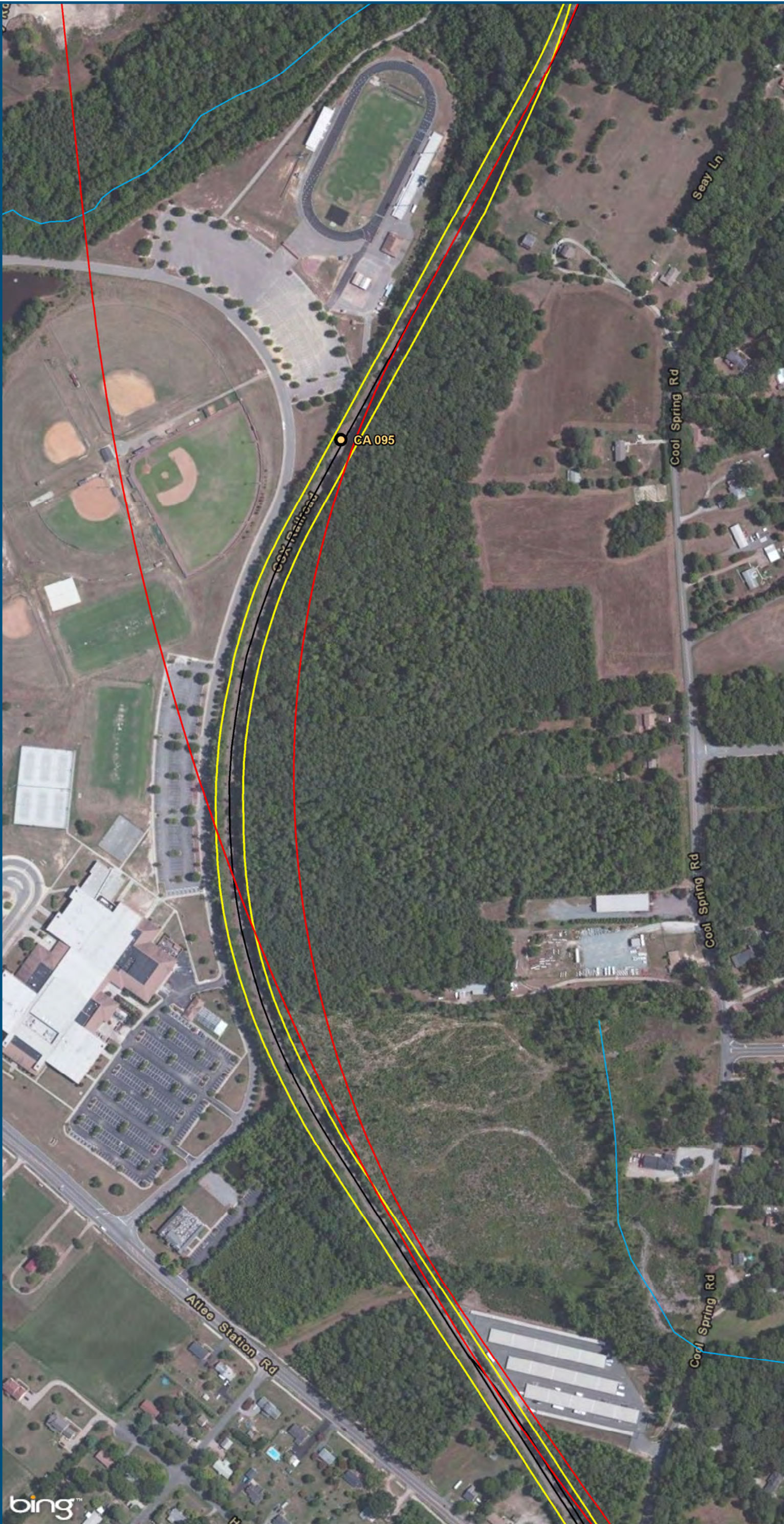
- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-72
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial





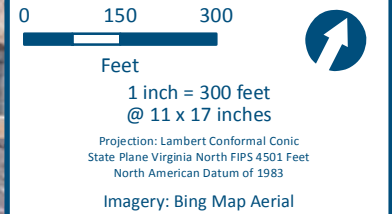
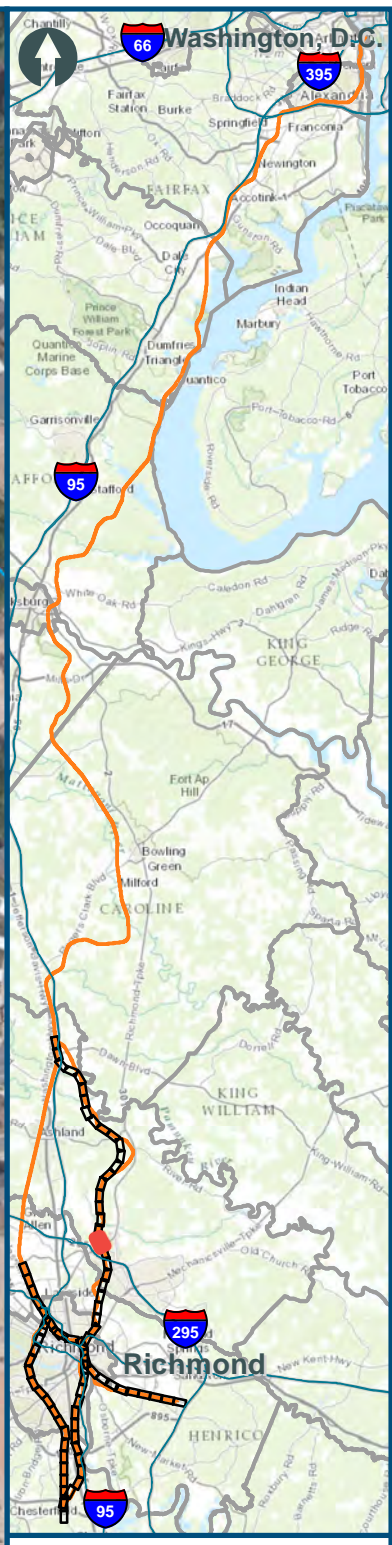
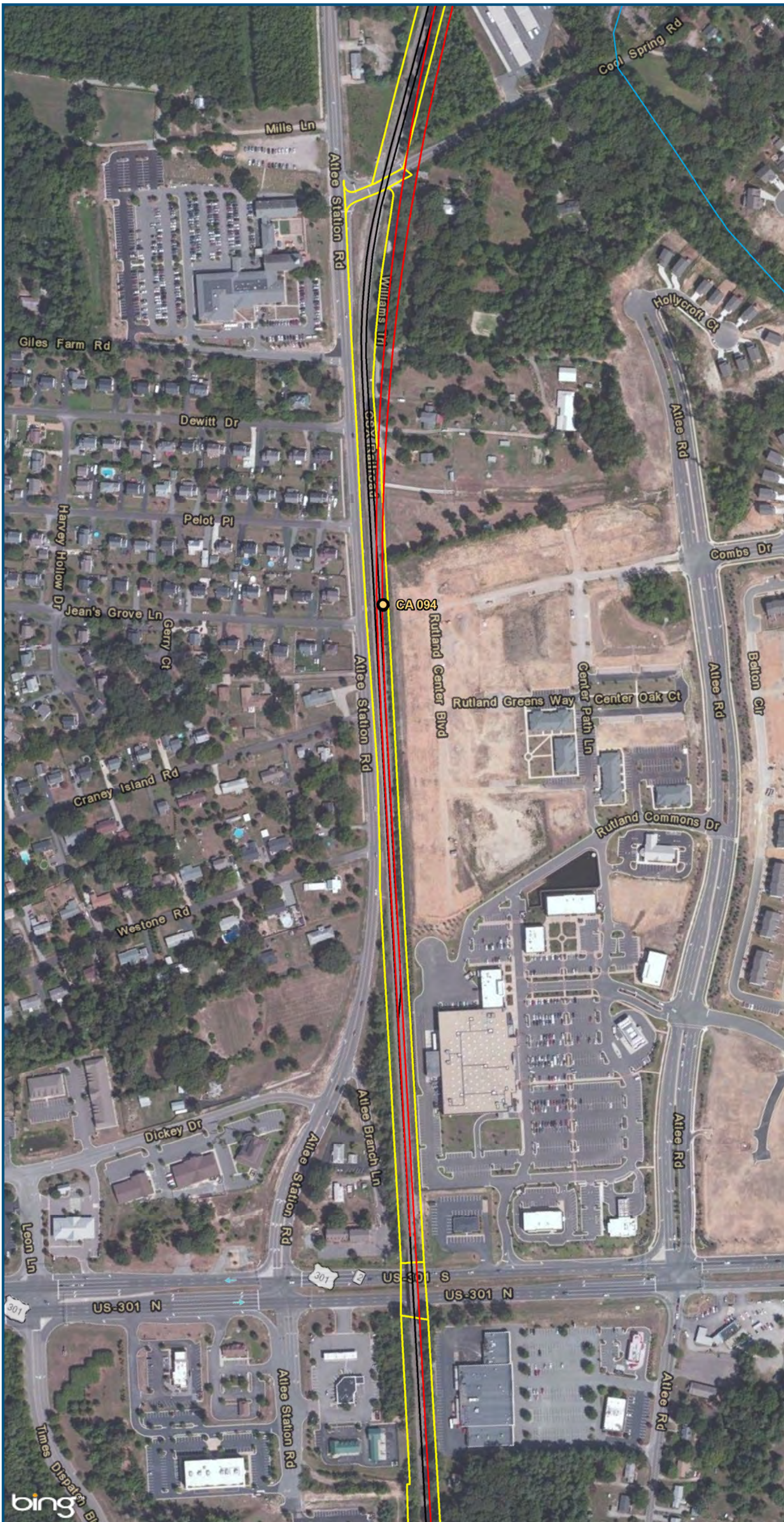
- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

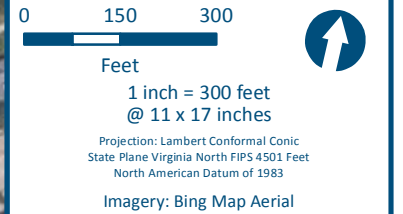
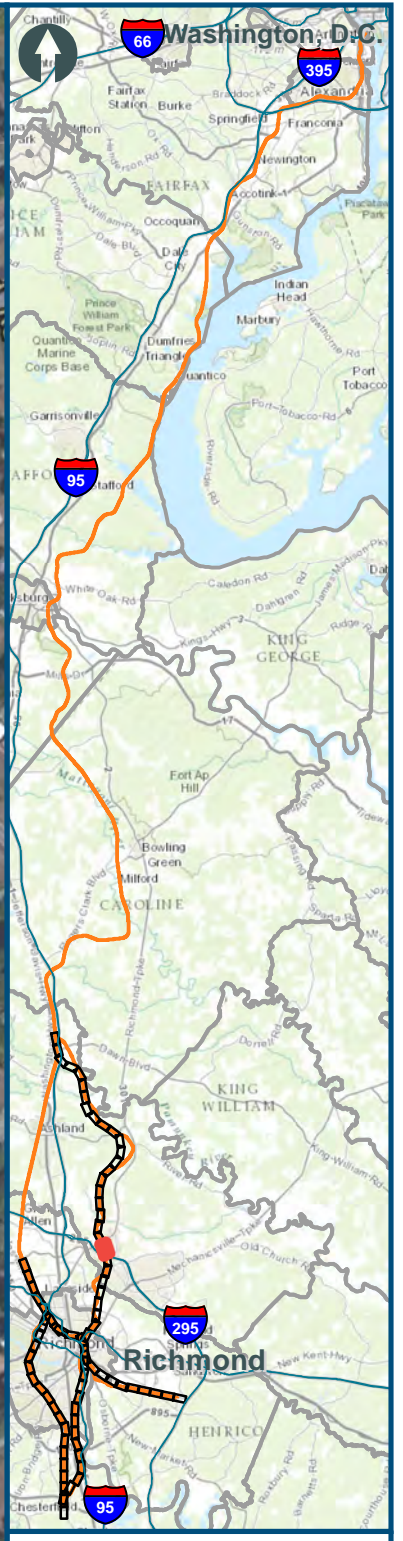
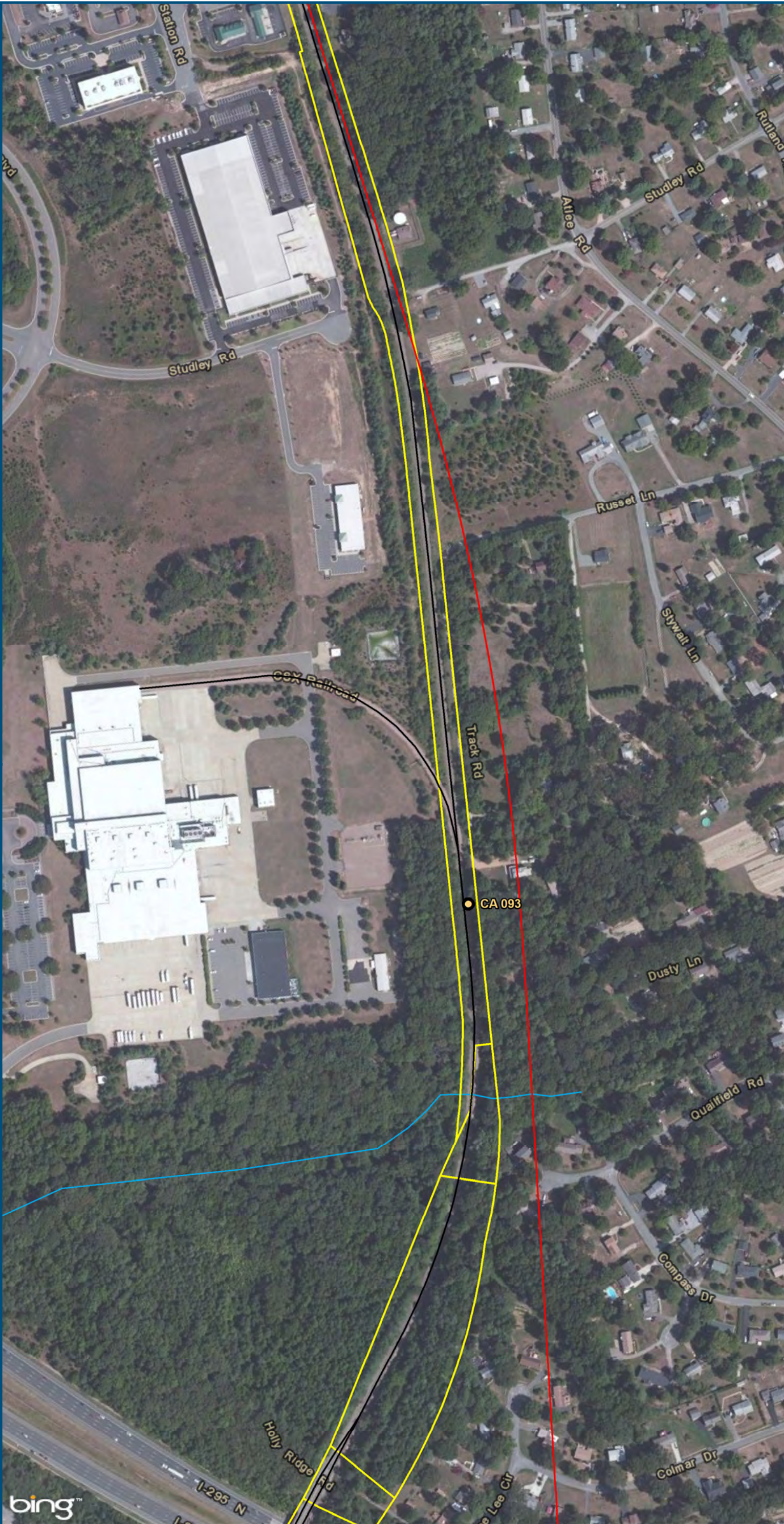
Figure W-73
Richmond Segment
Unconstrained
Alignment Option



- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-74
Richmond Segment
Unconstrained
Alignment Option

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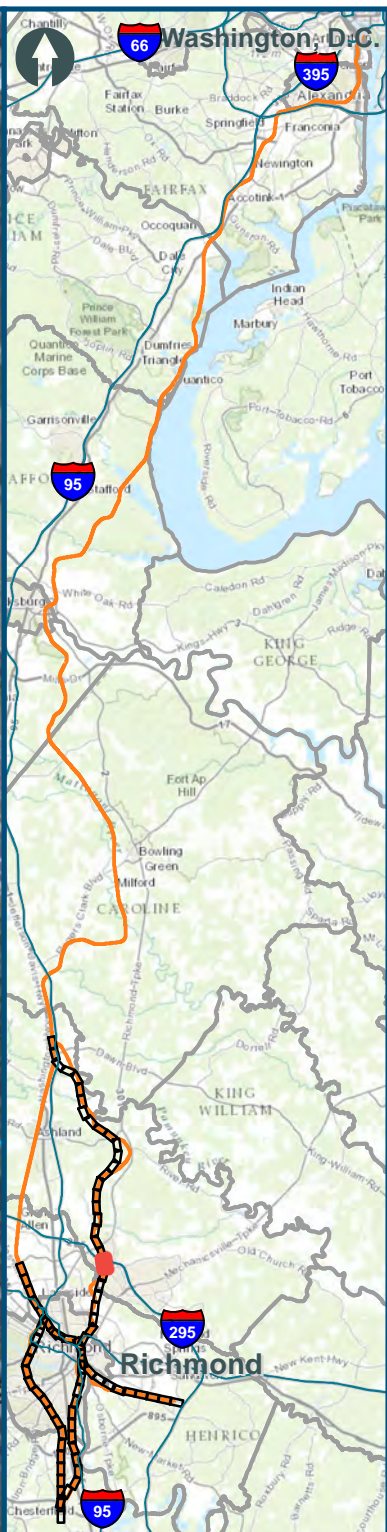


- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

**Figure W-75
Richmond Segment
Unconstrained
Alignment Option**

\\cslmain\gis_data\GIS\Projects\011545_VADepotofRails-PublicTransportation\0239056_RAPS-4AllDev-ConceptEng\map_docs\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015

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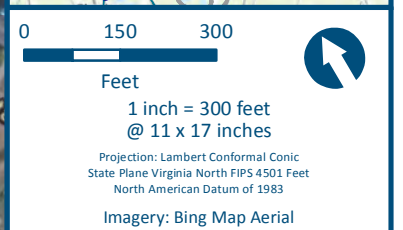
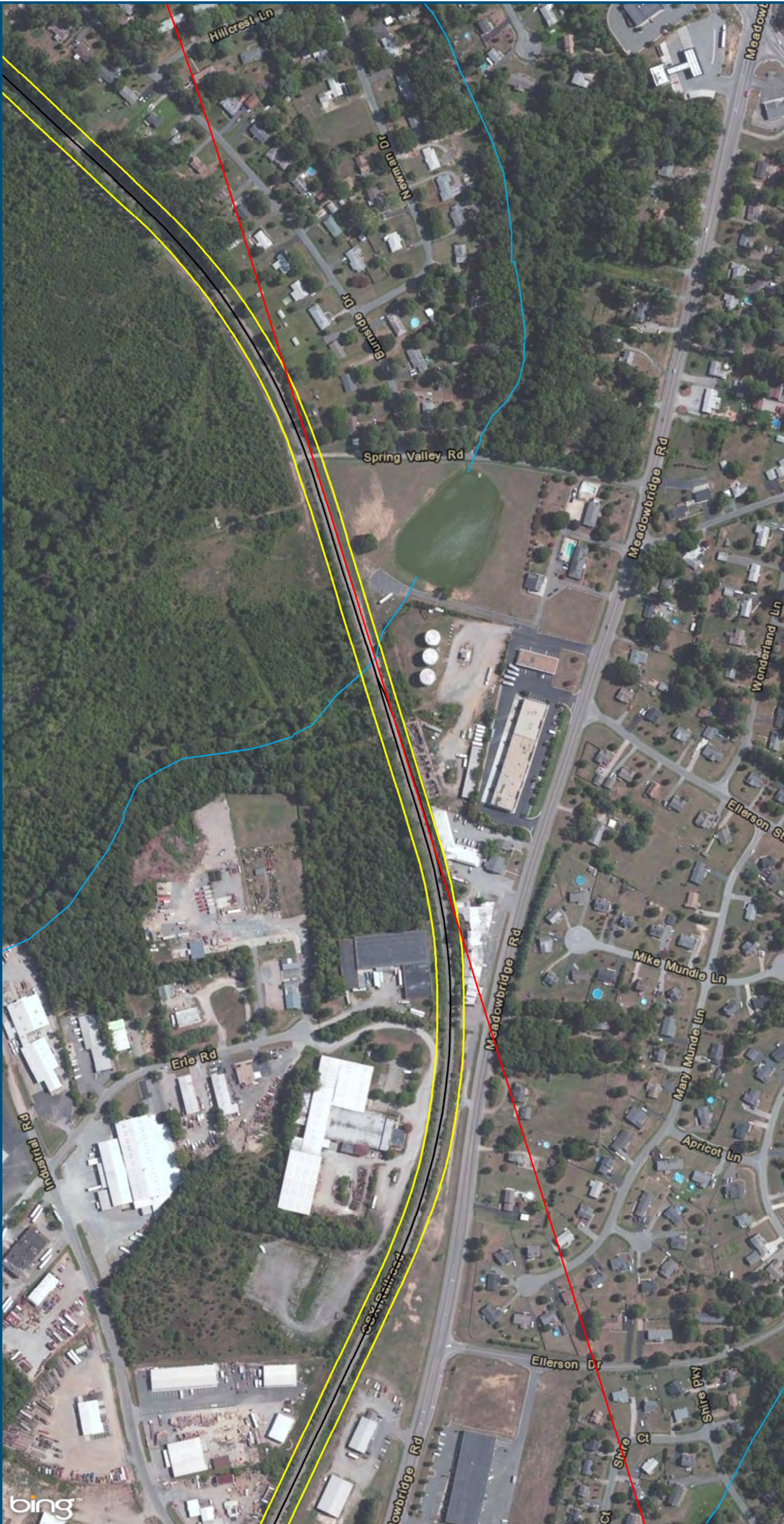


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-76
Richmond Segment
Unconstrained
Alignment Option

\\cslsmain\gis_data\GIS\Projects\011545_VADepotofRails-PublicTransportation\0239056_RAPS-4AllDev-ConceptEngMap_docc\mxd\AIT_Tech_Report\DC2RVA_Ch6_Appendices_RIC_Unconstrained_Alignments_11x17.mxd | Last Updated: 12.08.2015







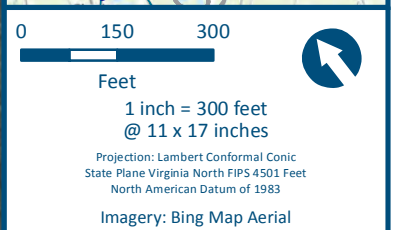
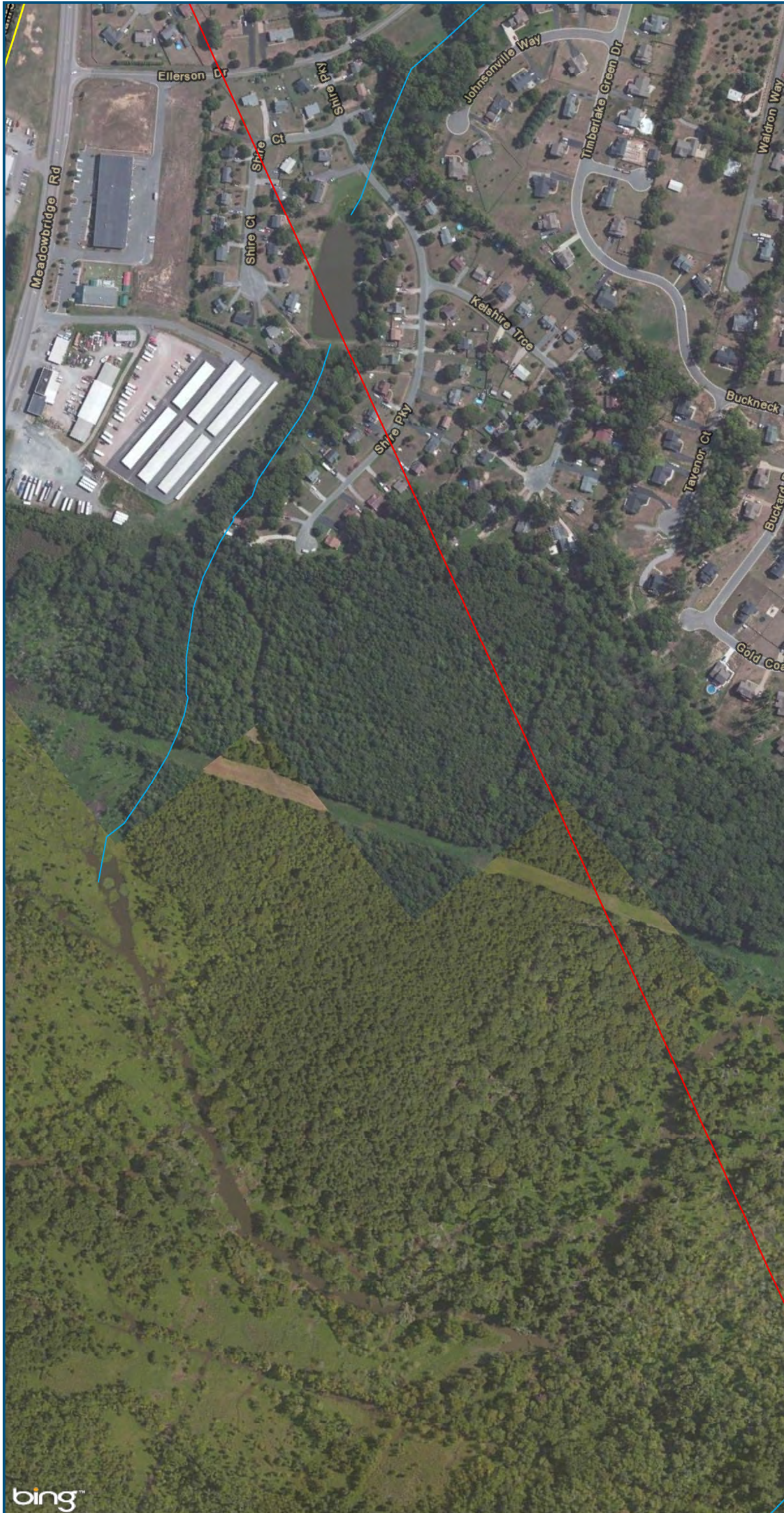
- Legend**
-  CSXT Mileposts
 -  New Track
 -  Existing Track
 -  CSXT Right-of-Way

Figure W-77
Richmond Segment
Unconstrained
Alignment Option

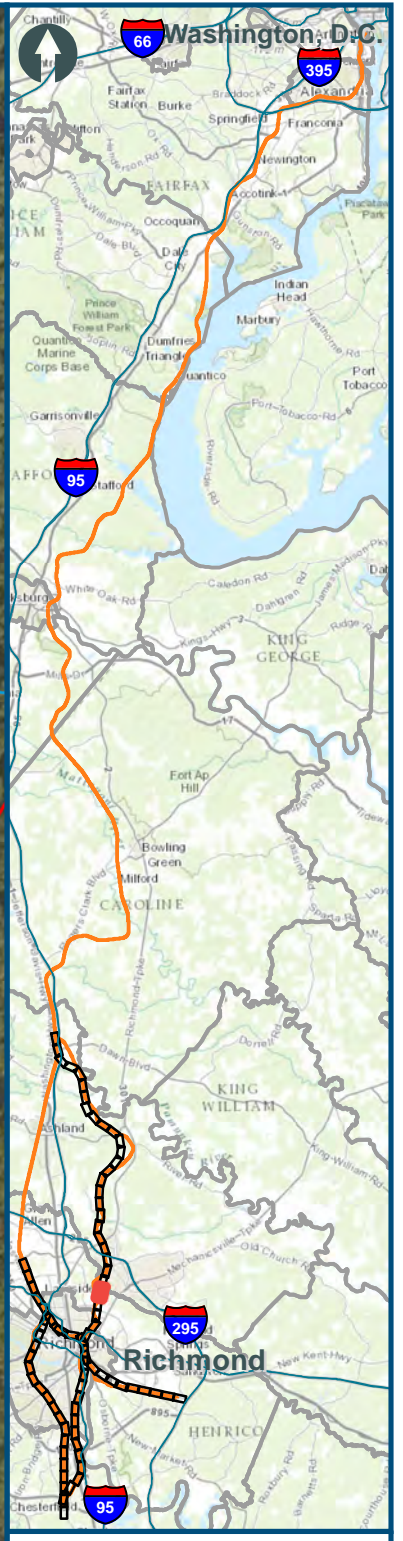
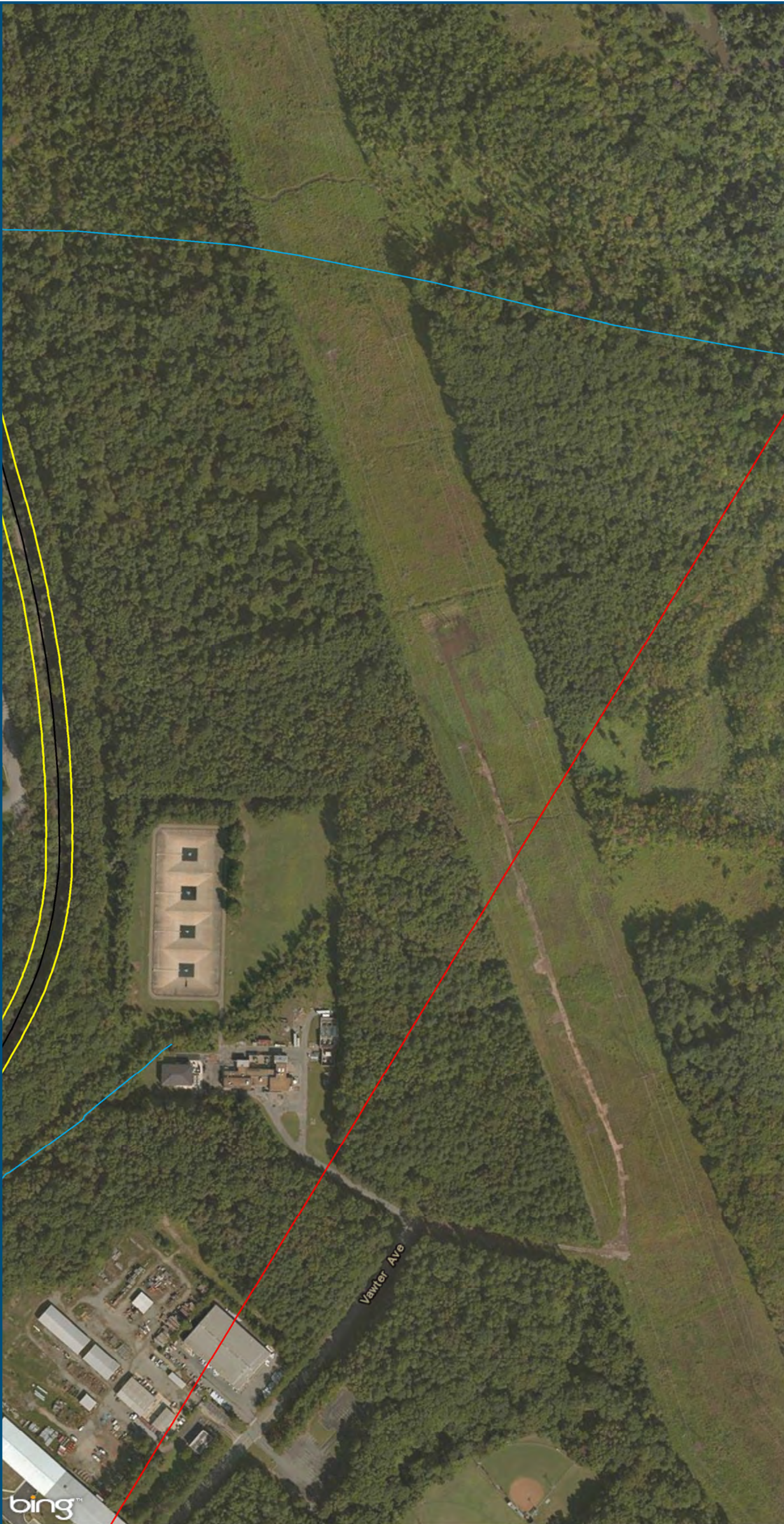


- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-78
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-79
Richmond Segment
Unconstrained
Alignment Option

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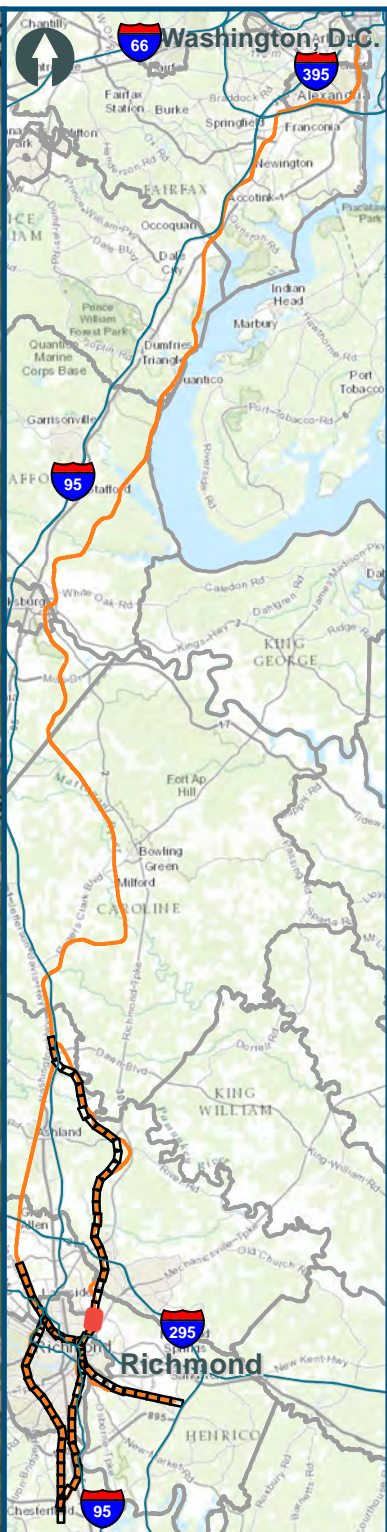
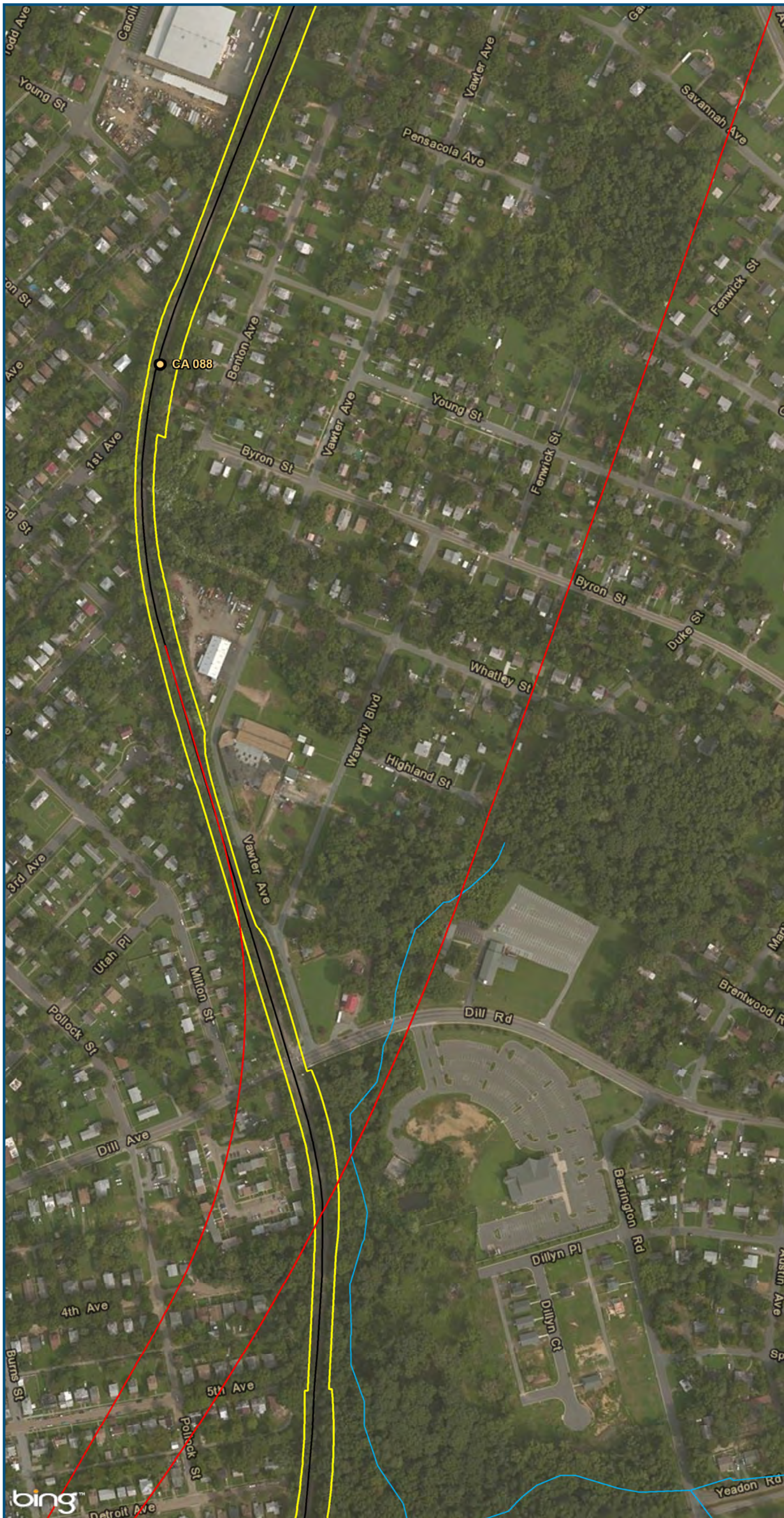


0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-80
Richmond Segment
Unconstrained
Alignment Option

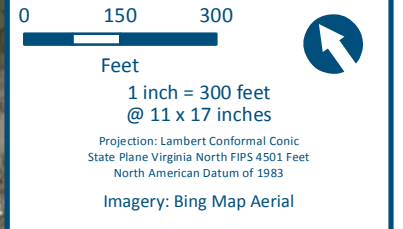
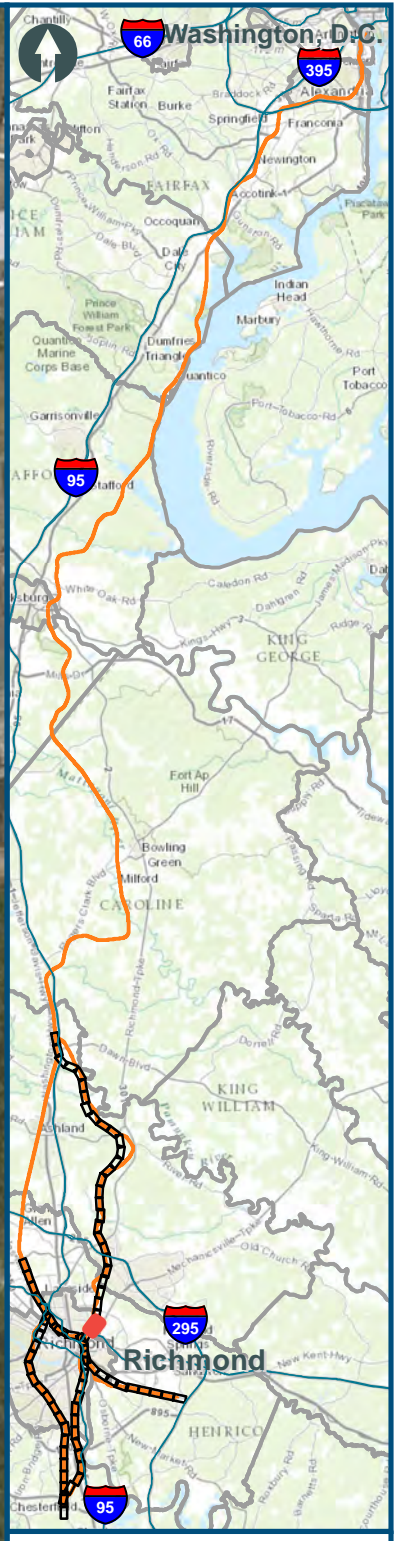
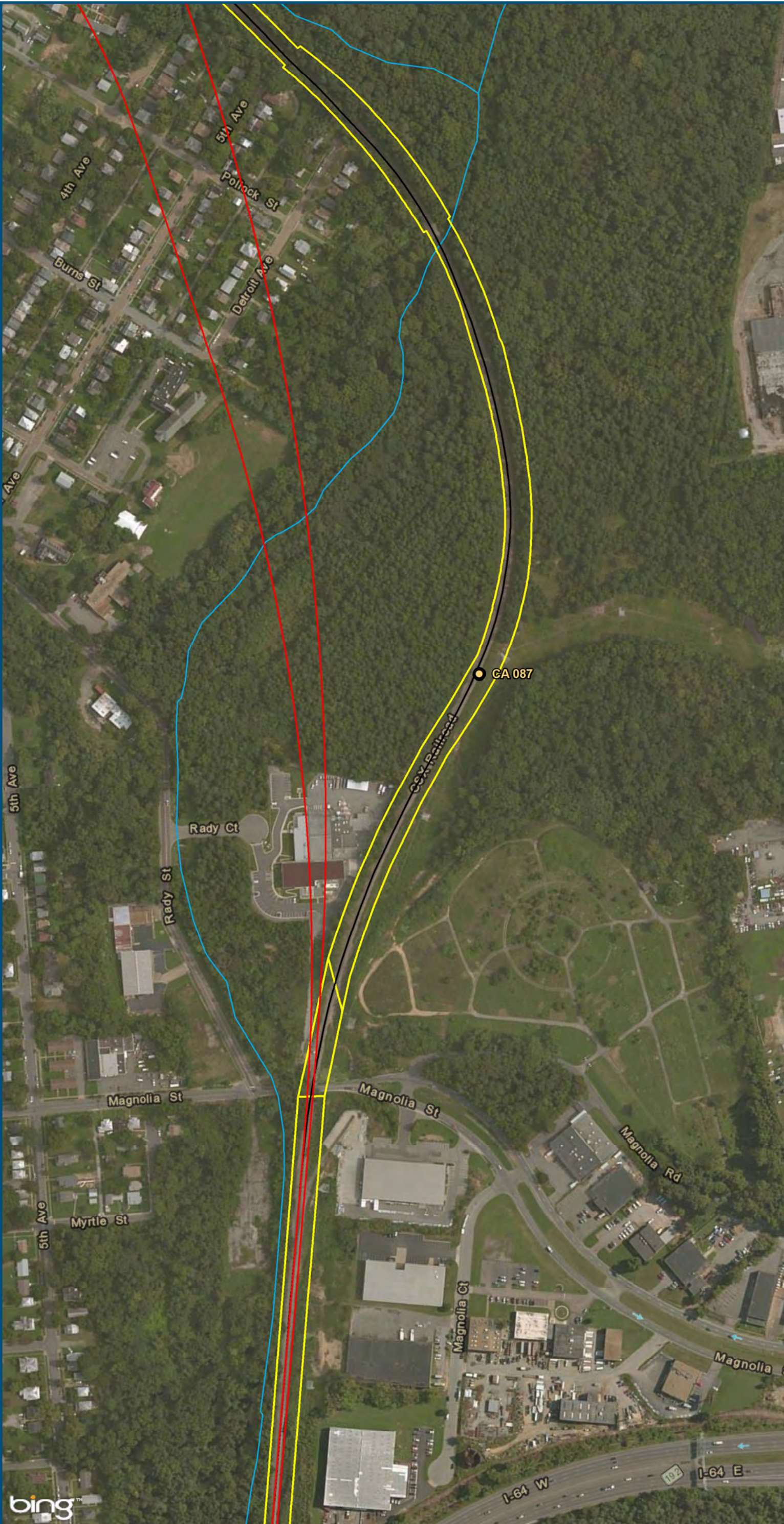
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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-81
Richmond Segment
Unconstrained
Alignment Option

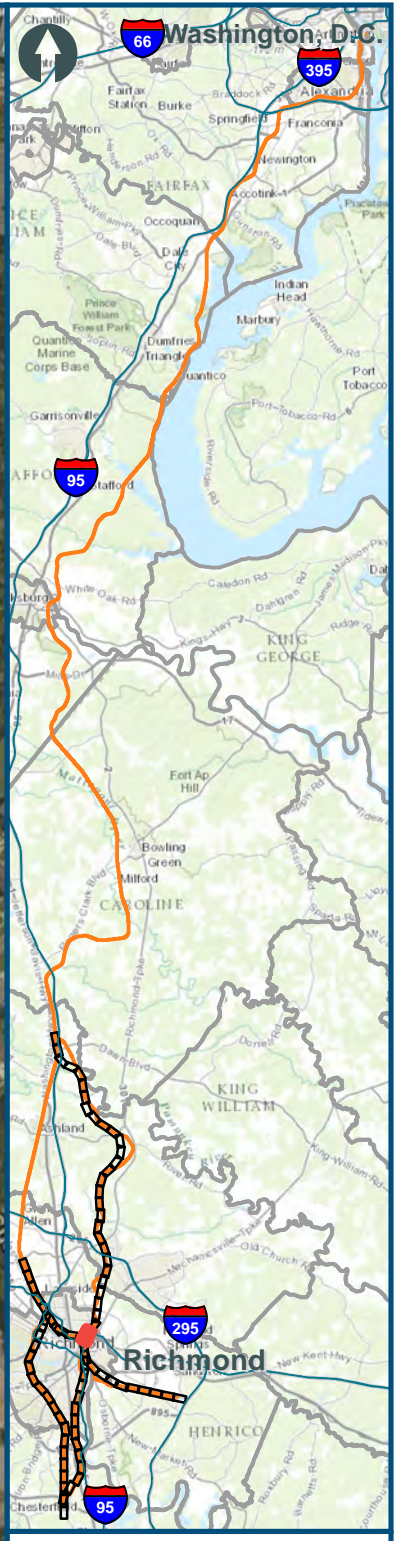


- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-82
Richmond Segment
Unconstrained
Alignment Option

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0 150 300
Feet
1 inch = 300 feet
@ 11 x 17 inches
Projection: Lambert Conformal Conic
State Plane Virginia North FIPS 4501 Feet
North American Datum of 1983
Imagery: Bing Map Aerial

- Legend**
- CSXT Mileposts
 - New Track
 - Existing Track
 - CSXT Right-of-Way

Figure W-83
Richmond Segment
Unconstrained
Alignment Option