

Figure 1: Project Location Map (USGS Topographic Quadrangle Maps, Wilmington North and South)



Figure 2: Aerial View of Dam 1

Note the exposed bedrock of the "falls" downstream. The South Park Drive overlook tower is the circular structure at the bottom of the image.



**Figure 3: View of Dam 1 from South Park Drive Overlook Tower** View facing northwest/upstream in May 2017. The Washington Street Memorial Bridge is in the background.

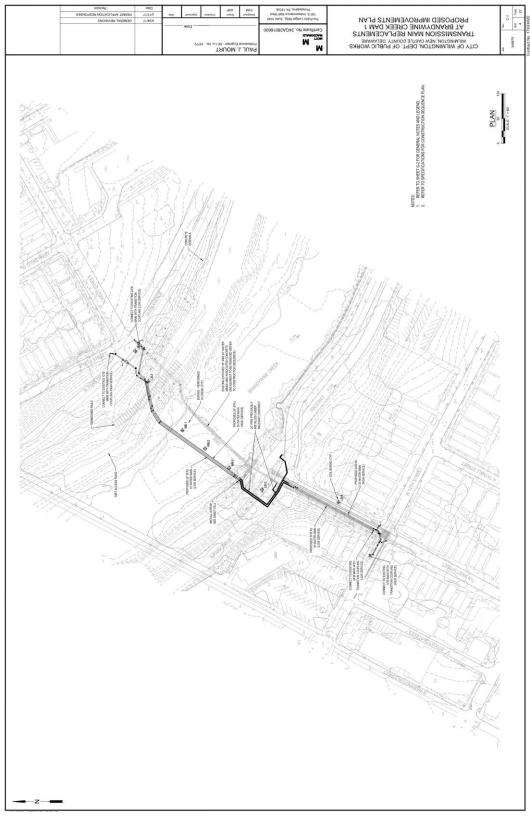


Figure 4 : General Layout of Selected Alternative

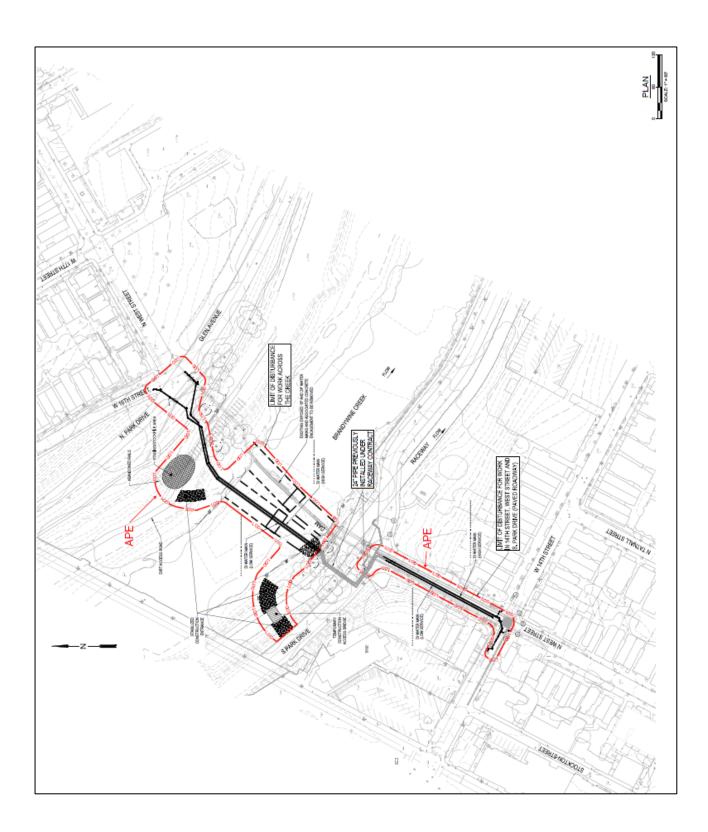
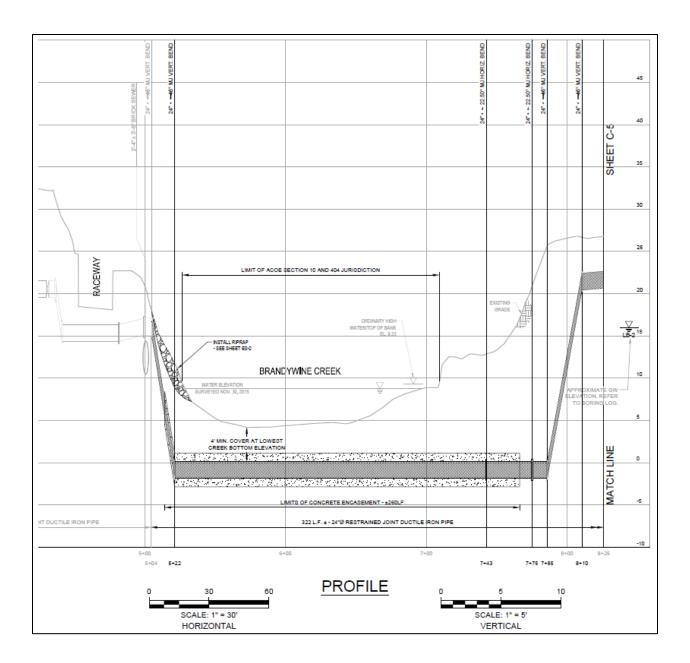
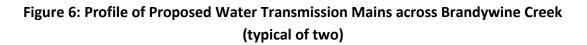


Figure 5 : Project Plan View with Area of Potential Effect (APE)





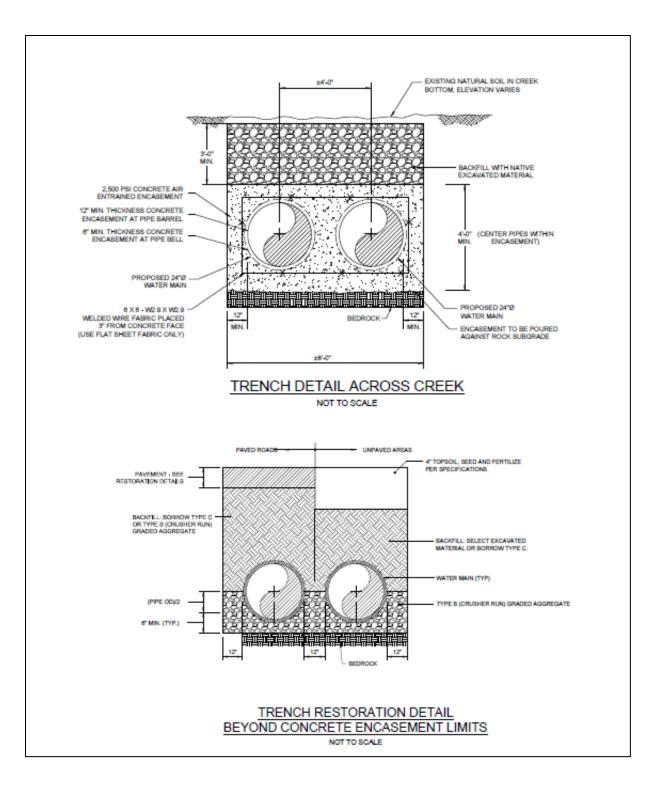
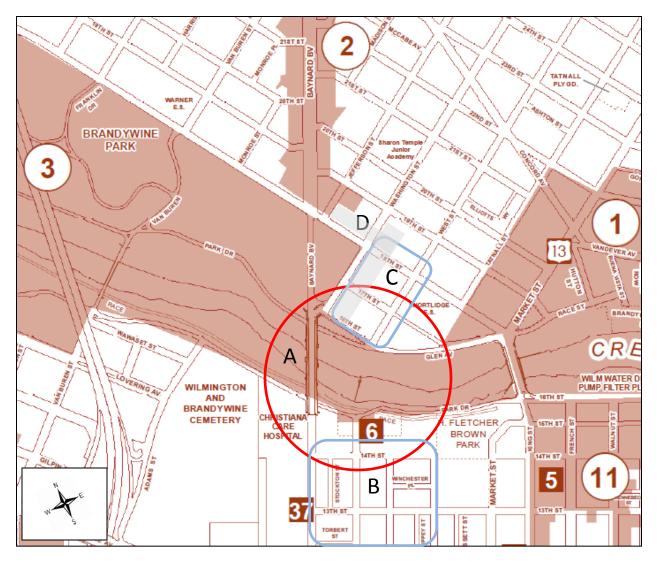


Figure 7: Typical Trench Details for Mains in Creek and on Land



## Figure 8: Mapped Historic Resources in the Project Vicinity

The circle represents a one-quarter mile radius from the project area at center. (Source: "Historic Wilmington: A Guide to Districts and Buildings on the National Register of Historic Places," 2013)

- Key: 1: Brandywine Village National Register District
  - 2: Baynard Boulevard National Register District (& D: City Historic District ext.)
  - 3: Brandywine Park and Kentmere Parkway National Register District (Brandywine Park District)
  - 6: Old First Presbyterian Church National Register Site (Part of Brandywine Park District
  - 11: East Side Brandywine National Register District
  - A: Washington Street Memorial Bridge (Part of Brandywine Park District)
  - B: Midtown Brandywine Neighborhood (Consensus Eligibility)
  - C: Washington Street District (Consensus Eligibility)

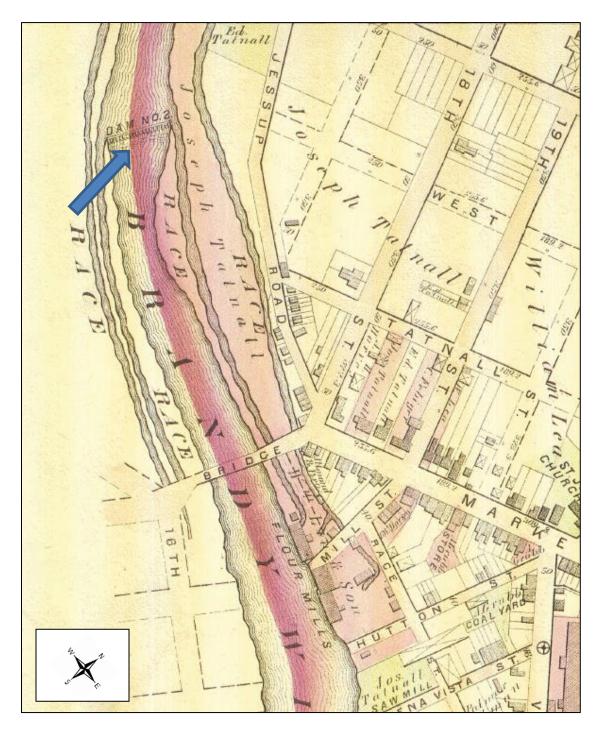


Figure 9: 1876, G. M. Hopkins, Atlas of Wilmington Delaware

"DAM NO. 2" is the the Lower Dam, and the short north millrace is closest to the Creek.

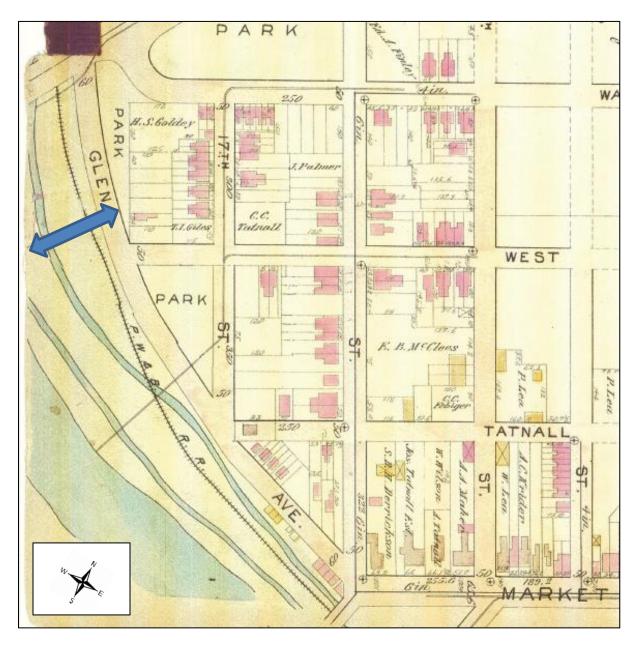


Figure 10: 1901, Baist Atlas, Wilmington, Delaware.

Note the depiction of two open millraces on the north side of the Brandywine and the alignment of the P.W. & B Railroad spur.

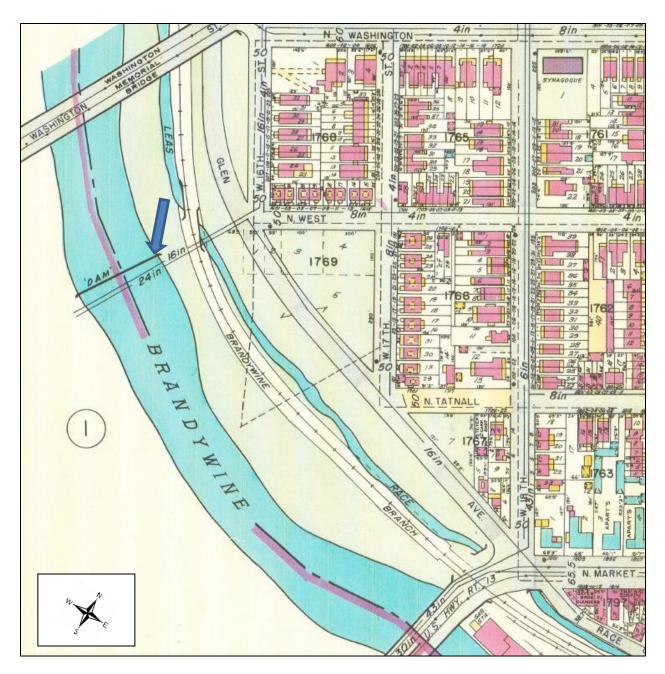
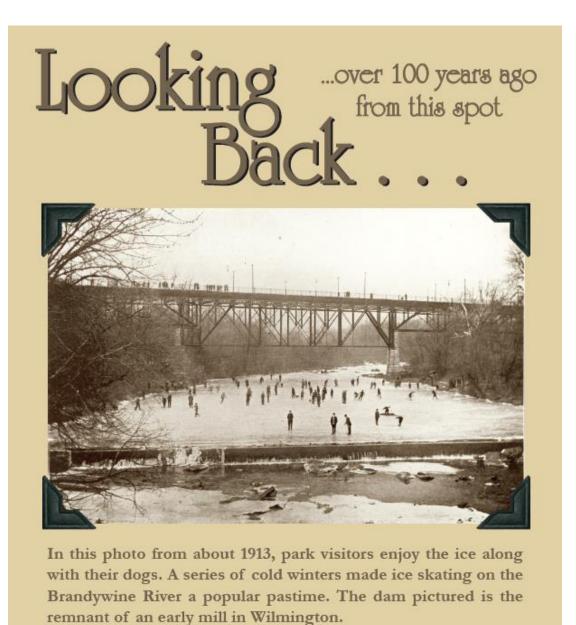


Figure 11: 1936 Franklin Atlas, Wilmington, Delaware

Note that only the long millrace ("Leas Race") on the north side of the Brandywine is depicted as extant.





## Figure 12 : Wayside Signage in Brandywine Park

The historic image shows winter recreation on the pool created by Dam 1, about 10 years after its construction.



Figure 13: Historic North Bank Stabilization in the Area of the Lower Dam

Note the wrought iron straps connecting boulders. View facing upstream and towards Dam 1, in May 2017.



Figure 14: Iron-stabilized Masonry Wall Corner, North Bank

This structure is probably related to the headgate of the short, north millrace. View looking to the southwest from the north bank in May, 2017. The Brandywine is in the background.



Figure 15: Extant Wall Section of Millrace

The wall, located a short distance upstream of Market Street bridge, is probably a remnant of the short, north millrace. View to the east in February 2018.