

5.0 SUMMARY OF IDENTIFIED RESOURCES

As a result of field investigations, a total of three (3) resources fifty years or older were identified in the APE for the proposed BR 159 James Street over Christina River project: Joseph Tatnall House (N12807), BR 159 James Street over Christina River (N04294) and Krebs Pigment & Color Corporation Building A-47 (N12806.001). The resources included the NRHP listed Joseph Tatnall House (**See Appendix B**). The house is situated on the tax parcel immediately northwest of the project bridge, but does not fall within the view shed of the project due to the presence of the Krebs Pigment & Color Corporation Building A-47. The Krebs Pigment & Color Corporation Building A-47 was constructed in 1937 and is immediately northwest of the project bridge. BR 159 James Street over Christina River is the project bridge and was previously determined not eligible for the National Register. The bridge was previously documented as part of a HABS/HAER Inventory (**See Appendix B**).

The BASF Newport Plant is situated northwest of the project bridge and includes both the Joseph Tatnall House and Krebs Pigment & Color Corporation Building A-47. A field investigation was undertaken of the industrial complex to determine its potential as an historic district. As a result of field investigations and review of secondary research materials, it can be determined that the BASF Newport Plant does not retain sufficient integrity to merit further consideration for the National Register at this time. It appears that under typical plant productions, alterations to buildings and operations have naturally changed and progressed this plant from an early twentieth century operation into a twenty-first century modern production facility. Further assessments would be needed to reach this conclusion.

5.1 Joseph Tatnall House (N12807)

The Joseph Tatnall House (N12807) is located within the BASF Newport Plant industrial complex. The Joseph Tatnall House is a five bay, two-and-a-half story residence with a brick and stucco exterior (**See Photographs 7-8**). The house was constructed ca. 1750 and was owned by various individuals throughout the eighteenth and nineteenth centuries, including Joseph Latimer and Joseph Tatnall. In the early twentieth century Henrik Krebs acquired the property as part of his industrial facility. The building was maintained by the Krebs Pigment & Color Company as an administrative office. The house was listed in the NRHP under Criterion A, for its association with the industrial development, & Criterion C, for its architectural significance. The period of significance for the Joseph Tatnall House is ca. 1750 to 1929. The NRHP boundary established for the Joseph Tatnall House encompasses the house and the ground immediately surrounding the structure, which consists of less than one acre (**See Appendix B**).

5.2 BR 159 James Street over Christina River (N04294)

State Highway Bridge 159 (James Street/Newport Bridge) is a three-span, plate girder bascule bridge originally constructed in 1929 (**See Photographs 9-12**). The bridge was designed by the firm of Keller & Harrington of Chicago, Illinois. Construction of the bridge began in 1928. The contractors for the project included Carl S. Camp, of

Philadelphia, (substructure) and Al S. Fox, of Dayton, Ohio (superstructure). The structural steel was supplied by the Bethlehem Steel Company. The machinery to operate the bascule bridge was provided by James Saunders Machine Company, of Dayton, Ohio. The bridge is a hybrid trunnion type. The bridge is composed of an 83'-33" single leaf, plate girder central bascule span with two plate girder approach spans (measuring 63'-7" and 64'-4"). In 1967 the bridge was fixed in place, which resulted in the bridge no longer functioning as a bascule bridge. In 1985 the bascule operating machinery and operator's house were removed. BR 159 James Street over Christina River was determined ineligible for the NRHP due to loss of integrity, as part of the Delaware Historic Bridge Survey and Evaluation.

5.3 Krebs Pigment & Color Corporation Building A-47 (N12806.001).

The Krebs Pigment & Color Corporation Building A-47 is situated within the BASF Newport Plant in the Town of Newport (**See Photographs 13-17**). The BASF Newport Plant facilities are composed of over twenty-five industrial buildings and support facilities built between 1902 and circa 2000. The plant is bounded by James Street, to the east; Christina River, to the south; DuPont industrial operations, to the west; and the Norfolk Southern railroad, to the north. Building A-47 is located along the west side of James Street, immediately northwest of BR 159 over the Christina River. A concrete sidewalk is set along the east elevation of the building. Water Street is north of Building A-47, along with the main entrance to the plant. Building A-47 was constructed in 1937 by the Krebs Pigment & Color Corporation, a wholly owned subsidiary of the DuPont Company, as a research office. The office building was later utilized for sales and other administrative purposes. In 1950 a two-story annex was built along the south elevation of the original structure.

Based upon the results of the field investigations and consultation with DeDOT cultural resource staff, it was concluded that a further in depth assessment and evaluation would be prepared for the Krebs Pigment & Color Corporation Building A-47 to provide an eligibility recommendation.



Photograph 10: View looking east toward the NRHP listed Joseph Tatnall House (N12807).



Photograph 11: View looking southeast toward BR 159 James Street over Christina River (N04294). Note DE Route 141, to the left.



Photograph 12: East elevation of BR 159 James Street over Christina River (N04294).



Photograph 13: View looking south from BR 159 James Street over Christina River.



Photograph 14: View looking west from BR 159 James Street over Christina River.



Photograph 15: View of façade and west elevation of the Krebs Pigment & Color Corporation Building A-47 (N12806.001).



Photograph 16: View from BR 159 at the east elevation of the Krebs Pigment & Color Corporation Building A-47 (N12806.001).



Photograph 17: View looking west from BR 159 toward the south elevation of the Krebs Pigment & Color Corporation Building A-47 annex (N12806.001).

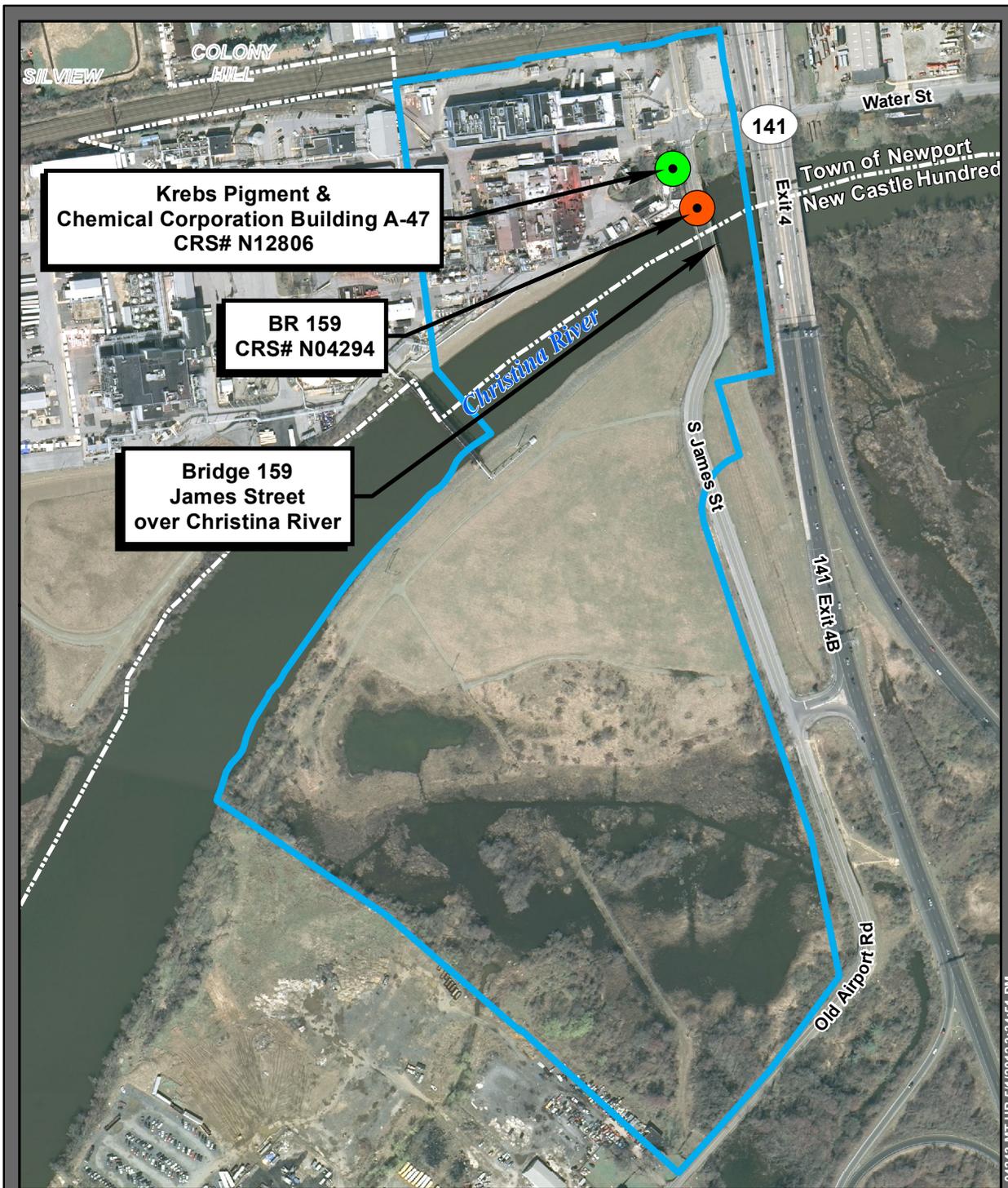
6.0 RESULTS OF HISTORIC RESOURCES SURVEY

McCormick Taylor, Inc. conducted an historic structures survey of the APE for the BR 159 James Street over Christina River in February 2012. The survey resulted in the identification of two (2) previously surveyed resources and one (1) previously unevaluated resource. The Joseph Tatnall House was previously listed in the NRHP and remains unchanged (**See Figure 14**). The Joseph Tatnall House does not fall within the view shed of the proposed project. As a result, no further documentation was prepared for the resource. The BR 159 James Street over Christina River was previously determined ineligible for the NRHP and remains unchanged. A CRS Form 10 was completed to document the status of BR 159 James Street over Christina River (**See Appendix C**). An architectural and historic assessment was prepared for the Krebs Pigment & Chemical Corporation Building A-47 in order to provide sufficient information to provide a National Register determination of eligibility. In addition, a CRS Form (including Forms 1, 2, and 9) was prepared for the Krebs Pigment & Chemical Corporation Building A-47 (**See Appendix C**).

Table 1 summarizes the eligibility recommendations for resources identified with the project's APE.

Table 1
Results of Historic Resources Survey

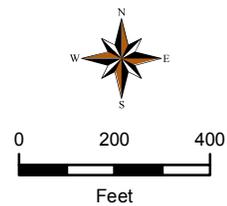
CRS Number	Name and Address	Construction Date	Property Type	Acreage	UTM	Previous National Register Eligibility Status	NR Eligibility Recommendation
N12806.001	Krebs Pigment & Color Corp. Building A-47	1937, 1950	Office Building	0.30	18 E 447 787 N 4395 828	None	Eligible Criteria A& C
N12807	Joseph Tatnall House	Ca. 1750	Residential	0.05	18 E 447 720 N 4395 620	Listed	Listed Criteria A&C
N04292	BR 159 James Street Over Christina River	1927	Bridge	0.24	18 E 447 814 N 4395 808	Ineligible	Ineligible, Lack of Integrity



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Figure 14 - Surveyed Resources
 Proposed Bridge 159 James Street over Christina River
 Town of Newport and New Castle Hundred,
 New Castle County, Delaware

- Recommended Eligible
- Recommended Ineligible
- Historic Architecture APE



Source: Delaware DataMIL, 2010