

Dunn, Patrick

From: Atalaya Armstrong <Atalaya.Armstrong@dep.nj.gov>
Sent: Wednesday, November 05, 2014 11:10 AM
To: Dunn, Patrick
Cc: Jablon, Rebecca; Steven.Sherman@icfi.com; Kate Marcopul; Dan Saunders; Donna Mahon; Grady, Stephen; Rickman, Brett (Brett.Rickman@icfi.com) (Brett.Rickman@icfi.com); 'Richard.starzak@icfi.com'; Piia Helve; Kristin Swanton; Anthony McNichol
Subject: Completed Submission (Multiple Properties) RE: Section 106 Review - Blue Acres Old Bridge
Attachments: J2014-643.pdf

Mr. Dunn:

The Blue Acres Old Bridge Township documentation has been reviewed, signed, and scanned. Please find attached HPO-J2014-643
If you have any issues with the attachments or require additional information, please feel free to let us know.

Regards-A. Armstrong

Mail Code 501-04B
Historic Preservation Office
NJ DEP
PO Box 420
Trenton, NJ 08625-0420
www.nj.gov/dep/hpo

From: Dunn, Patrick [<mailto:DunnPW@cdmsmith.com>]
Sent: Monday, October 13, 2014 3:02 PM
To: DEP NJHPO
Cc: Jablon, Rebecca; Steven.Sherman@icfi.com
Subject: Section 106 Review - Blue Acres Old Bridge

Hello,

Please find attached the Section 106 review request for the Blue Acres Old Bridge project (Application ID: BA_Old Bridge). The proposed project would acquire 29 properties in Old Bridge, Middlesex County and demolish all man-made features on the properties. The properties would remain permanently as open space. The proposed project would be funded with CDBG-DR funding.

Please let me know if I can provide any additional information. Thank you.

Patrick Dunn, AICP, CFM
Planner
CDM Smith
125 S. Wacker Drive, Suite 600
Chicago, IL 60606
Phone: 312-780-7726
dunnpw@cdmsmith.com



State of New Jersey

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

NATURAL & HISTORIC RESOURCES

HISTORIC PRESERVATION OFFICE

P.O. Box 420

Trenton, NJ 08625-0420

TEL. (609) 984-0176 FAX (609) 984-0578

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

October 31, 2014

Patrick Dunn, AICP, CFM
Planner
CDM Smith
125 S. Wacker Drive, Suite 600
Chicago, IL 60606

**Middlesex County, Old Bridge Township
Blue Acres Acquisition Properties
Various Addresses (see Attachment 1)
New Jersey Department of Community Affairs
U.S. Department of Housing and Urban Development**

Summary: The HPO concurs with the consultant's recommendation that the proposed acquisition and demolition of 29 properties will not adversely affect historic resources provided that the FEMA – Best Practices for Lower Impact Debris Removal and Demolitions (LIRDS) guidelines are applied. The HPO also recommends that the foundation walls of 12 properties identified in Table 1 be left in place due to their proximity to historic and archaeological resources.

Dear Mr. Dunn:

As Deputy State Historic Preservation Officer for New Jersey, in accordance with 36 CFR Part 800: Protection of Historic Properties, as published in the Federal Register on December 12, 2000 (65 FR 77725-77739) and amended on July 6, 2004 (69 FR 40553-40555), I am providing consultation comments on the above-referenced undertaking.

The Historic Preservation Office (HPO) is in receipt of your October 13, 2014 cover letter and supporting documentation, initiating consultation, pursuant to Section 106 of the National Historic Preservation Act. As stated in your letter, the New Jersey Department of Community Affairs (DCA), as the Responsible Entity for the U.S. Department of Housing and Urban Development (HUD), is proposing to use Community Development Block Grants Disaster Recovery (CDBG-DR) program funds for the Department of Environmental Protection Blue Acres program to acquire and demolish 29 properties. These properties have all been subject to repetitive flood losses and will be returned to green space following acquisition and demolition. The Area of Potential Effects (APE) is identified as the entire parcel of each of the 29 properties. The application divides these properties into four groups based on their geographical proximity to each other. These groups are as follows: 1) the Cliffwood Way and Bayshore Avenue Section; 2) the Shoreline Avenue Section; 3) the Raritan Boulevard and Pomona Boulevard section; and 4) the single property at 17 Appleby Street.

800.4 Identification of Historic Properties

Architecture

Twenty-seven of the residential buildings included in the submission are more than 48 years old. The consultant determined that none of these buildings exhibit a level of significance that would qualify them for the New Jersey State and National Register of Historic Places. Additionally, there are no historic properties within the geographic or visual APE. Therefore, the application recommends that the proposed acquisition and demolition of these properties will have no adverse effect. *The HPO concurs with this assessment.*

Archaeology

The application states that all of the proposed properties for demolition possess moderate potential for Native American archaeological deposits. It also states that only one property (Group 4) possesses moderate potential for historic-period resources. The remaining properties from Group 1, 2, and 3 possess low potential for historic-period archaeological resources.

Because Groups 1 and 2 are in the same geographical setting, they will be discussed together. There are no identified archaeological sites within the APE for Groups 1 and 2, but 12 of the 24 properties are in close proximity to identified archaeological and historic resources. All 12 properties are directly adjacent to the Morgan/Hilltop Site (28-Mi-17), a large Native American shell-mound. Additionally, 7 of these 12 properties are also in close proximity to the Bowne-Provost Family Cemetery, an identified 17th and 18th century family plot. Table 1 identifies these properties and their location to one or both of these resources.

Table 1. Properties from Group 1 and 2 Proximal to Historic Resources

Address	Group	Adjacent to 28-Mi-17	Adjacent to Cemetery
34 Cliffwood Way	1	x	
36 Cliffwood Way	1	x	x
37 Cliffwood Way	1	x	x
38 Cliffwood Way	1	x	x
39 Cliffwood Way	1	x	x
30 Bayshore Avenue	1	x	x
29 Bayshore Avenue	1	x	x
28 Bayshore Avenue	1	x	x
25 Bayshore Avenue	1	x	
11 Shoreline Avenue	2	x	
10 Shoreline Avenue	2	x	
8 Shoreline Avenue	2	x	

For Groups 1 and 2, historic topographic maps indicate these properties are within former wetlands of Cheesequake Creek and Raritan Bay. The predominant soil type within these properties is Pawcatuck-Transquaking Complex, which is a poorly-drained soil type associated with tidal flats. Additionally, the parcels range from .04 -.15 acres in size and a large percentage of the lots have been impacted by residential development and hardscaping. The application states that Groups 1 and 2 are moderately sensitive for Native American archaeological resources. Thus, the consultant recommends that the undertaking will not adversely affect historic properties provided that the New Jersey Division of Property Management and Construction (NJDMPC) apply the FEMA – LIRDS guidelines. *The HPO*

concur with this recommendation. Additionally, the HPO recommends that the foundation walls of the 12 properties identified in Table 1 be left in place. If the foundations need to be removed, the HPO recommends archaeological monitoring.

There are only four properties identified in Group 3 on Raritan Boulevard and Pomona Boulevard. Historic topographic maps indicate these properties were located on an elevated landform within 200' of Whale Creek and 1000' of Raritan Bay. The properties contain Keyport Sandy Loam, which is a moderately well-drained soil type associated with coastal plain deposits. Well-drained terraced areas adjacent to waterways and/or wetland complexes are consistent with current archaeological models for locations containing Native American archaeological deposits. Additionally, there is one identified Native American archaeological site 500'-700' south of these properties. As a result, the application states that these properties possess moderate potential for Native American archaeological deposits. The consultant recommends that the undertaking will not adversely affect historic properties provided that the NJDMPC apply the FEMA- LIRDS guidelines. *The HPO concurs with this recommendation.*

The single property identified in Group 4 is located on Appleby Street. Historic topographic maps indicate this property was at the southern base of a ridgetop. This information is confirmed by the presence of Evesboro Sand, which is an excessively drained soil type associated with coastal plain uplands. The property is located 400' east of South River, but adjacent to wetlands associated with the river. Additionally, there are two historic-period archaeological sites and one multi-component site within 1000' of the parcel. Therefore, the application states that this parcel possesses moderate potential for both Native American and historic-period archaeological resources. The consultant recommends that the undertaking will not adversely affect historic properties provided that the NJDMPC apply the FEMA – LIRDS guidelines. *The HPO concurs with this recommendation.*

Additional Comments

Thank you for providing the opportunity to comment on submitted documentation. Please do not hesitate to contact Kristin Swanton of my staff with questions regarding archaeology or Piia Helve of my staff with questions regarding historic architecture at 609-292-1913. If additional consultation with the HPO is needed for this undertaking, please reference the appropriate HPO project number(s) in any future calls, emails, or written correspondence to help expedite our review and response.

Sincerely,



Daniel D. Saunders
Deputy State Historic
Preservation Officer

Cc. Donna Mahon, NJDEP
Stephen Grady, NJDCA
Richard Starzak, ICFI
Brett Rickman, ICFI

Attachment: Property Table w/ HPO Project #'s and Findings

DDS/KJM/kes

Cc List:

Donna Mahon

Donna.mahon@dep.nj.gov

Stephen Grady

Stephen.grady@dca.state.nj.us

Richard Starzak

Richard.starzak@icfi.com

Brett Rickman

Brett.rickman@icfi.com

Attachment 1: Blue Acres Demolitions for Old Bridge Township, Middlesex County, New Jersey

Street Address	Block	Lot	Group	HPO Project #	Finding and Recommendations
14 Bayshore Avenue	1	13	1	15-0460-1	No Effect – Use LIRDS
17 Bayshore Avenue	1	17	1	15-0461-1	No Effect – Use LIRDS
19 Bayshore Avenue	1	19	1	15-0462-1	No Effect – Use LIRDS
21 Bayshore Avenue	1	21	1	15-0463-1	No Effect – Use LIRDS
25 Bayshore Avenue	1	25	1	15-0465-1	No Effect – Use LIRDS and leave foundation walls in place
28 Bayshore Avenue	1	28	1	15-0466-1	No Effect – Use LIRDS and leave foundation walls in place
29 Bayshore Avenue	1	29	1	15-0467-1	No Effect – Use LIRDS and leave foundation walls in place
30 Bayshore Avenue	1	30	1	15-0468-1	No Effect – Use LIRDS and leave foundation walls in place
32 Bayshore Avenue	1	32	1	15-0555-1	No Effect – Use LIRDS
1 Cliffwood Way	1	1.11	1	15-0470-1	No Effect – Use LIRDS
3 Cliffwood Way	1	1.12	1	15-0473-1	No Effect – Use LIRDS
4 Cliffwood Way	1	4	1	15-0474-1	No Effect – Use LIRDS
5 Cliffwood Way	1	5	1	15-0475-1	No Effect – Use LIRDS
6 Cliffwood Way	1	6	1	15-0476-1	No Effect – Use LIRDS
7 Cliffwood Way	1	7	1	15-0477-1	No Effect – Use LIRDS
9 Cliffwood Way	1	9	1	15-0478-1	No Effect – Use LIRDS
34 Cliffwood Way	1	34	1	15-0479-1	No Effect – Use LIRDS and leave foundation walls in place
36 Cliffwood Way	1	36	1	15-0480-1	No Effect – Use LIRDS and leave foundation walls in place
37 Cliffwood Way	1	37	1	15-0481-1	No Effect – Use LIRDS and leave foundation walls in place
38 Cliffwood Way	1	38	1	15-0482-1	No Effect – Use LIRDS and leave foundation walls in place
39 Cliffwood Way	1	39	1	15-0483-1	No Effect – Use LIRDS and leave foundation walls in place
8 Shoreline Avenue	1000	8	2	15-0488-1	No Effect – Use LIRDS and leave foundation walls in place
10 Shoreline Avenue	1000	10	2	15-0489-1	No Effect – Use LIRDS and leave foundation walls in place
11 Shoreline Avenue	1000	11	2	15-0490-1	No Effect – Use LIRDS and leave foundation walls in place
62 Pomona Boulevard	1075	62-65	3	15-0484-1	No Effect – Use LIRDS
66 Raritan Boulevard	1075	66-70	3	15-0485-1	No Effect – Use LIRDS
71 Raritan Boulevard	1075	71-73	3	15-0486-1	No Effect – Use LIRDS
75 Raritan Boulevard	1075	74-76	3	15-0487-1	No Effect – Use LIRDS
17 Appleby Street	26049	27	4	15-0459-1	No Effect – Use LIRDS

October 13, 2014

Mr. Daniel Saunders
Administrator and Deputy State Historic Preservation Officer
New Jersey Department of Environmental Protection
Mail-code 501-04B
P.O. Box 420
Trenton, NJ 08625-0420

**Re: Effect Determination
Blue Acres Acquisition Properties
Various Addresses
Old Bridge, Middlesex County, New Jersey 08857**

Dear Mr. Saunders:

This letter serves as initial consultation pursuant to Section 106 of the National Historic Preservation Act for the above-referenced project. On October 29 2012, Superstorm Sandy made landfall over the New Jersey coast. The storm surge inundated and severely affected the State's shoreline from Cape May to Raritan Bay, along the Hudson River, and on the estuaries connecting to Raritan Bay and Newark Bay. Other overland flooding, wind damage and an ensuing snowstorm further damaged these communities as well as other communities throughout New Jersey. The State of New Jersey was included in the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grants Disaster Recovery (CDBG-DR) Program pursuant to the Disaster Relief Appropriations Act of 2013 (Public Law 113-2, approved January 29, 2013). The New Jersey Department of Community Affairs (DCA), as the Responsible Entity, is proposing to use CDBG-DR funds for its Blue Acres program to acquire properties (including structures) that have been damaged by, or may be prone to incurring damage caused by, storms or storm-related flooding, or that may buffer or protect other lands from such damage, and are eligible for acquisition from willing sellers.

The Undertaking

The undertaking consists of the acquisition and demolition of 29 properties in Old Bridge Township, Middlesex County, New Jersey (Figures 1, 2a, 2b, 2c and 2d). The properties are being purchased using CDBG-DR funding and will be returned to open space. CDBG-DR funding will also be used to demolish and remove site improvements to these properties. These homes were all damaged as a result of Hurricane Sandy and have suffered from repetitive damage in previous storms; therefore, future storms pose similar threats. Table 1 provides a list of the properties proposed for buyout and demolition:

Table 1. Properties to be Acquired with CDBG-DR Funding.

Street Address	Block	Lot	Year Built	Coordinates	
				(Degrees, Minutes, Seconds, NAD 83)	
17 Appleby Street	26049	27	1910	40° 24' 40.69" N	74° 21' 56.75" W
14 Bayshore Avenue	1	13	1958	40° 27' 41.61" N	74° 15' 09.44" W
17 Bayshore Avenue	1	17	1949	40° 27' 40.98" N	74° 15' 09.29" W
19 Bayshore Avenue	1	19	1949	40° 27' 40.60" N	74° 15' 08.62" W
21 Bayshore Avenue	1	21	1949	40° 27' 40.31" N	74° 15' 07.97" W
25 Bayshore Avenue	1	25	1949	40° 27' 39.58" N	74° 15' 06.73" W
28 Bayshore Avenue	1	28	1930	40° 27' 39.29" N	74° 15' 08.07" W
29 Bayshore Avenue	1	29	1949	40° 27' 39.43" N	74° 15' 08.42" W
30 Bayshore Avenue	1	30	1949	40° 27' 39.63" N	74° 15' 08.76" W
32 Bayshore Avenue	1	32	1949	40° 27' 40.10" N	74° 15' 09.50" W
1 Cliffwood Way	1	1.11	1955	40° 27' 38.37" N	74° 15' 13.00" W
3 Cliffwood Way	1	1.12	1950	40° 27' 38.82" N	74° 15' 12.72" W
4 Cliffwood Way	1	4	1949	40° 27' 39.04" N	74° 15' 12.47" W
5 Cliffwood Way	1	5	1949	40° 27' 39.31" N	74° 15' 12.29" W
6 Cliffwood Way	1	6	1949	40° 27' 39.49" N	74° 15' 12.02" W
7 Cliffwood Way	1	7	1949	40° 27' 39.76" N	74° 15' 11.83" W
9 Cliffwood Way	1	9	1949	40° 27' 40.25" N	74° 15' 11.34" W
34 Cliffwood Way	1	34	1930	40° 27' 39.66" N	74° 15' 10.06" W
36 Cliffwood Way	1	36	1949	40° 27' 39.11" N	74° 15' 10.56" W
37 Cliffwood Way	1	37	1949	40° 27' 38.87" N	74° 15' 10.79" W
38 Cliffwood Way	1	38	1949	40° 27' 38.61" N	74° 15' 11.05" W
39 Cliffwood Way	1	39	1953	40° 27' 38.36" N	74° 15' 11.25" W
62 Pomona Blvd	1075	62-65	1959	40° 27' 00.77" N	74° 13' 25.34" W
66 Raritan Blvd	1075	66-70	1985	40° 26' 59.85" N	74° 13' 25.67" W
71 Raritan Blvd	1075	71-73	1961	40° 26' 59.10" N	74° 13' 26.25" W
75 Raritan Blvd	1075	74-76	1985	40 26' 58.66" N	74 13' 27.40" W
8 Shoreline Avenue	1000	8	1950	40° 27' 31.04" N	74° 15' 09.26" W
10 Shoreline Avenue	1000	10	1950	40° 27' 31.40" N	74° 15' 09.89" W
11 Shoreline Avenue	1000	11	1950	40° 27' 31.58" N	74° 15' 10.20" W

The New Jersey Division of Property Management and Construction (NJDMPC) will engage a contractor to demolish and remove improvements and structures on each property. The contractor will demolish and remove the dwelling and associated garages and sheds (including removing basements, slabs or crawl spaces); close wells, cisterns, shallow wells (i.e. points, cesspools, or any subsurface disposal system for either sewage or laundry waste); pump and fill in septic systems and cesspools; remove storage tanks and disconnect utilities. Figures 2a, 2b, 2c and 2d depict the property locations on aerial photographs.

Area of Potential Effect

The Area of Potential Effect (APE) consists of the tax parcel boundaries of those properties identified above in the City of Old Bridge, Middlesex County, New Jersey. For the purpose of this review, these properties have been split into four groups based on their geographic proximity to each other. These groups are as follows: 1). the Cliffwood Way and Bayshore Avenue section; 2). the Shoreline Avenue section; 3). The Raritan Boulevard and Pomona Boulevard section; and 4). the lone property at 17 Appleby Street.

Known Cultural Resources

Archaeological Resources

Review of forms on file at the New Jersey State Museum (NJSM) indicates that there are several known archaeological sites within 1,000 feet of the APE, some of which are in the immediate vicinity of these properties. None of the properties in the APE overlap or fall within the boundaries of known sites.

There are ten known prehistoric archaeological sites within one mile of the Cliffwood Way and Bayshore Avenue section. Two of these sites are within 1,000 feet of the APE, with the closest of the two approximately 800 feet away. The same ten prehistoric sites are also located within one mile of the Shoreline Avenue section, although most of these are in excess of 1,000 feet from the APE, with the exception of one prehistoric site, which is located approximately 175 feet south of the Shoreline Avenue properties. The Raritan Boulevard and Pomona Boulevard section has seven known prehistoric archaeological sites within one mile of the APE boundary, but none of these are within 1,000 feet of these lots. Lastly, ten known archaeological sites are located within one mile of the property at 17 Appleby Street. Three of these sites (two historic and one prehistoric) are within 1,000 feet of the APE. The nearest of these is a late 19th-century historic house site designated 28Mi188 by the NJSM; it is approximately 150 feet east of the property under review.

Historic Architectural Resources

The proposed demolitions throughout Old Bridge include 27 buildings that are older than 48 years; however, none of these properties have been determined eligible for listing on the New Jersey State Register or National Register of Historic Places. A file review at the New Jersey Historic Preservation Office (NJHPO) identified three historic districts located within 1,000 feet of the APE. These findings are summarized below in Table 2.

Table 2. Historic Properties Located within 1,000 Feet of the APE.

Historic Property	NR/SR Status	Location
Camden and Amboy Railroad Main Line Historic District	NJHPO Opinion: 6/26/1975	Approximately 800 feet northwest of 17 Appleby Street
New York and Long Branch Railroad Historic District	NJHPO Opinion: 8/20/2004	Approximately 985 feet southwest of the properties along Shoreline Avenue
Old Bridge Historic District	NR: 6/29/1977; SR: 9/26/1975	Approximately 415 feet northeast of 17 Appleby Street

Results of Identification and Evaluation

Archaeological Resources

A desktop review of archaeological files from the New Jersey State Museum has verified that no previously identified archaeological sites are located within the APE. However, the APE's overall geographic setting, on the intercoastal plain surrounded by multiple rivers, streams and brooks that drain into Raritan Bay, suggests the potential for prehistoric occupation or settlement in areas that remain undisturbed by 20th-century urban development.

The 21 properties in the Cliffwood Way and Bayshore Avenue section of the APE fall in areas whose soils have been identified as either Keyport Loam (KeoD), Pawcatuck-Transquaking Complex (PdwAv) or Psammets (Pssa) (Figure 3a). KeoD is characterized as natural well-drained silty clayey Aeolian or fluviomarine deposits. PdwAv is characterized as natural and very poorly drained organic material covering sandy marine deposits. Pssa is characterized as natural and well drained sandy lateral spread deposits. The three properties on Shoreline Avenue fall within an area whose soils are described as Keyport Loam (KeoD) (Figure 3b). The four properties on Raritan Boulevard and Pomona Boulevard fall within an area whose soils are described as Keyport Sandy Loam (KemB), which is similar to Keyport Loam (KeoD) and characterized as natural well-drained silty clayey Aeolian or fluviomarine deposits (Figure 3c). The property at 17 Appleby Street falls within an area whose soils are described as Evesboro Sand (EveB), which is characterized as natural excessively drained sandy Aeolian or fluviomarine deposits (Figure 3d).

After reviewing historic maps, including the Thornton (1706), a New Jersey map *circa* 1781 (unknown author, but available through the Library of Congress), Samuel (1795), Finley (1826), Gordon (1833), Otley and Keily (1850) and Beers (1872), it is confirmed that the general area within one mile of the APE was not significantly developed or settled historically until the late 19th century. Most development within 1,000 feet of all sections of the overall APE did not occur until the early to mid-20th century.

Review of the U.S. Coastal Survey map prepared by Renard in 1836 and the Otley and Keily *Map of Middlesex County* from 1850 identified an elevated landform immediately east of the Cliffwood Way and Bayshore Avenue section of the APE. On both maps the area is shown as largely undeveloped save for a road that runs southeast to northwest, roughly along the present

alignment of N.J. Route 35. This road does not appear to cross into the APE and there are no settlements or structures in the vicinity. Review of historic aerial photographs confirms that the Cliffwood Way and Bayshore Avenue section was a mid-20th-century development. The elevated landform immediately east of the section had been developed and built on by 1931, and by 1940 Cliffwood Way appears to be a sand-surfaced road leading to additional sand-surfaced access roads to the shoreline of Raritan Bay due north. One structure has been built at the southeast corner of Cliffwood Way. It sits on a lot that is not within the APE. Between 1947 and 1953 most of the houses in the development were built, with the exception of 1 Cliffwood Way: it initially appears on the aerial photograph taken in 1957. Review of these aerial photographs suggests that limited disturbance to the original landscape of the APE occurred during the course of this development.

Review of historic maps indicates the Shoreline Avenue section remained undeveloped until the 20th century. The historic aerial photographs show that both Shoreline Avenue and the properties on it were built between 1947 and 1950. Again, review of these aerial photographs suggests that limited disturbance to the landscape occurred during the course of development.

The Raritan Boulevard and Pomona Boulevard section also remained undeveloped until the 20th century. The Otley and Keily map from 1850 does show an unidentified structure to just over 1,000 feet northeast of the APE. Review of historic aerial photographs indicates that by 1940 the neighborhood streets have been laid out and lots cleared for construction, with the dwellings on each of the four properties constructed sporadically between 1959 and 1986. The aerial photographs also suggests that during construction there was minimal disturbance to the original landscape of the area, likely limited to vegetation removal and leveling or removal of surface materials.

Review of the Everts and Stuart map from 1876 indicates that much of the area to the east of 17 Appleby Street, which was not developed until the 20th century, was developed by the late 19th century. The block to the east, currently Sunset Avenue, had been developed by 1876 as what appears to be a residential extension to the center of downtown Old Bridge, located across the South River approximately 0.5 mile to the north of the APE. Appleby Street is not yet present, but the land it is located on is associated with "J Appleby" who also owns one of the structures identified on Sunset Avenue. Tax records indicate this building was constructed in 1910. A review of historic aerial photographs shows that the area west of Appleby Street remains undeveloped in 2007, therefore disturbance by this 20th-century development is likely to be limited to the construction of the house only and not the yard behind it. This was confirmed during the site visit and review.

A pedestrian survey and landscape analysis of the property was conducted on October 2, 2014. Pedestrian survey included the annotation of maps and aerial photographs, and the taking of digital photographs and notes. Landscape analysis concentrated on locating any and all cultural and natural features that were either previously identified during the desktop review or those that had been previously unidentified that might further contribute to the archaeological sensitivity evaluation of the APE. During this site visit, no new cultural or natural features were identified that might have any bearing on the evaluation of the APE.

On Cliffwood Way and Bayshore Avenue, it was observed that several houses were in the process of being elevated and restored or had been recently reconstructed. It was also noted that the physical surroundings remain an ideal setting for intact prehistoric archaeological resources, particularly in the yards areas of each lot outside the existing footprint of each dwelling.

The lots on Shoreline Avenue are small and the dwellings are packed relatively tightly together. These lots are at the bottom (and southern) edge of an elevated bluff that overlooks Stump Creek. The north end of these properties appears to have cut into the original southern extent of this bluff, suggesting the north end of these lots may be disturbed and therefore less sensitive. However, the area to south of the dwellings, including the front yards, Shoreline Avenue itself, and the land due south, do appear to fall on the natural elevation of the land surrounding the creek. A previously identified prehistoric site is located less than 200 feet due south of this section at the same approximate elevation. Exposed soils leading up to the northeast bank of the creek further substantiate the observation that the Shoreline Avenue section of the APE continues to have potential for prehistoric archaeological resources.

The lots on Raritan Boulevard and Pomona Boulevard are within 100 feet and due north of a natural bluff overlooking Whale Creek. During the site visit, an unidentified neighbor noted that none of the dwellings in the APE had a basement, suggesting that impact to natural soils by their construction would have been minimal, but this has not been confirmed. In the case of the Raritan Boulevard and Pomona Boulevard section of the APE, it was observed that the physical surroundings remain an ideal setting for intact prehistoric archaeological resources, particularly in the yards areas of each lot outside the existing footprint of each dwelling.

The lot at 17 Appleby Street is small and the eastern portion of the lot is likely disturbed as a result of construction of the dwelling, the street, and other development in the surrounding neighborhood to points north, east and south of the property. The most recent aerial photographs of the property showed that the three lots immediately to the north of the property had houses on them; however during the site visit, it was noted that the nearest lot to the north had a new house being constructed on it and the other two lots are currently vacant. Disturbance of natural soils in these areas is considered to be high. However, it was also observed that the area west of the lot remained undeveloped and heavily vegetated. Given its proximity to known historic and prehistoric sites, and the lack of development in the rear of the property, 17 Appleby Street is considered to have an increased potential for buried archaeological resources.

As stated above, there are several known and registered archaeological sites within 1,000 feet of the APE. The proposed undertaking is in an area characterized by limited residential development, and the majority of properties being evaluated for this undertaking occur within areas that have not lost their sensitivity for significant archaeological resources. This is confirmed by the materials (soil studies, historic maps and aerial photographs, site forms from NJSM) reviewed for this report and further corroborated by the site visit and visual review of the APE. As a result of this survey, all 29 properties reviewed here have been determined to have a moderate sensitivity for prehistoric archaeological resources. Given its immediate proximity to two known historic sites, the property at 17 Appleby Street is also considered to have moderate sensitivity for historic archaeological resources. Based on this evaluation, the other 28 properties are considered to have a low sensitivity for historic archaeological sensitivity. Therefore, given

that prehistoric and historic archaeological potential is moderate, construction activity at all the properties evaluated here should not result in significant ground disturbance to archaeologically sensitive locations provided the NJDPMC follows Best Practices for Lower Impact Removal and Demolitions (LIRDS), a standard which the NJSHPO concurred with on June 21, 2013. The use of heavy equipment at these locations should be limited to hard surfaces and only the smallest machinery possible should be used in the rear portion of these properties.

Table 3. Properties with a Moderate Sensitivity for Archaeological Resources.

Street Address	Block	Lot	Year Built	Recommendation
17 Appleby Street	26049	27	1910	LIRDS Compliance
14 Bayshore Avenue	1	13	1958	LIRDS Compliance
17 Bayshore Avenue	1	17	1949	LIRDS Compliance
19 Bayshore Avenue	1	19	1949	LIRDS Compliance
21 Bayshore Avenue	1	21	1949	LIRDS Compliance
25 Bayshore Avenue	1	25	1949	LIRDS Compliance
28 Bayshore Avenue	1	28	1930	LIRDS Compliance
29 Bayshore Avenue	1	29	1949	LIRDS Compliance
30 Bayshore Avenue	1	30	1949	LIRDS Compliance
32 Bayshore Avenue	1	32	1949	LIRDS Compliance
1 Cliffwood Way	1	1.11	1955	LIRDS Compliance
3 Cliffwood Way	1	1.12	1950	LIRDS Compliance
4 Cliffwood Way	1	4	1949	LIRDS Compliance
5 Cliffwood Way	1	5	1949	LIRDS Compliance
6 Cliffwood Way	1	6	1949	LIRDS Compliance
7 Cliffwood Way	1	7	1949	LIRDS Compliance
9 Cliffwood Way	1	9	1949	LIRDS Compliance
34 Cliffwood Way	1	34	1930	LIRDS Compliance
36 Cliffwood Way	1	36	1949	LIRDS Compliance
37 Cliffwood Way	1	37	1949	LIRDS Compliance
38 Cliffwood Way	1	38	1949	LIRDS Compliance
39 Cliffwood Way	1	39	1953	LIRDS Compliance
62 Pomona Blvd	1075	62-65	1959	LIRDS Compliance
66 Raritan Blvd	1075	66-70	1985	LIRDS Compliance
71 Raritan Blvd	1075	71-73	1961	LIRDS Compliance
75 Raritan Blvd	1075	74-76	1985	LIRDS Compliance
8 Shoreline Avenue	1000	8	1950	LIRDS Compliance
10 Shoreline Avenue	1000	10	1950	LIRDS Compliance
11 Shoreline Avenue	1000	11	1950	LIRDS Compliance

Historic Architectural Resources

Fieldwork was conducted on October 2, 2014 in order to assess the historical significance of each property as well as the effect the acquisition of these properties may have on surrounding historic sites. Each property was inspected for historical architectural distinction and

representative streetscape views were photographed. Of the 29 properties in Old Bridge to be acquired with CDBG-DR funding, 27 are over 48 years of age, but none of these properties has been determined eligible for listing on the New Jersey State Register or National Register of Historic Places.

The 29 surveyed properties are scattered about Old Bridge in four distinct groupings. The largest grouping of surveyed properties is along Cliffwood Way and Bayshore Avenue and is located north of N.J. Route 35 on the Raritan Bay. The 21 surveyed properties in this grouping were originally developed during the late 1940s and 1950s. Most homes were originally one-story, three-bay bungalows on concrete foundations. Most of the houses on the southeast side of Cliffwood Way still reflect this configuration (Photograph 1). Houses on the northwest side of the street appear to have been modified and are now typically two-and-one-half-story structures with elevated porches and/or decks (Photograph 2). The property at 14 Bayshore Avenue was developed slightly later than other houses in the neighborhood and has a larger footprint. The house at 14 Bayshore Avenue displayed signs of flood damage at the time of survey (Photograph 3). East of Cliffwood Way, Bayshore Avenue can be characterized by 1940s side-gabled bungalows, some with modern additions (Photographs 4 and 5).

On the opposite side of N.J. Route 35 on the shores of Stump Creek are three surveyed houses at 8, 10 and 11 Shoreline Avenue. Constructed in 1950, these vernacular houses have gabled roofs and synthetic siding (Photograph 6). The house at 10 Shoreline Avenue is two stories, whereas those at 8 and 11 Shoreline Avenue are one-story bungalows.

Southeast of the Shoreline Avenue grouping on the north side of N.J. Route 35 are four properties facing onto Whale Creek. Three of these houses are located at the southeast end of Raritan Boulevard and are among the later houses to be constructed within the APE (Photographs 7, 8 and 9). The house at 71 Raritan Boulevard is a 1961 ranch-style dwelling with a hipped roof. It is flanked by the dwellings at 75 and 66 Raritan Boulevard, both constructed in 1985. The fourth house in this grouping is located at 62 Pomona Boulevard and occupies the lot at the southwest corner of the intersection of Raritan Road and Pomona Boulevard. Originally constructed as a ranch-style dwelling facing onto Pomona Boulevard in 1959, the house was nearly doubled in size with the construction of an addition oriented towards Raritan Boulevard *circa* 1990 (Photographs 10 and 11).

The property at 17 Appleby Street is an outlier as it is located inland and is affected by flooding of the South River as opposed to the other properties affected by the Raritan Bay. The house at 17 Appleby Street is also the oldest of the surveyed buildings, having been constructed in 1910 (Photograph 12). Despite the age of this shingled, cottage-style house, it is architecturally unremarkable and its historic context has been lost. Originally linked with Old Bridge's Main Street on the north side of South River via Matawan Road, the house was disassociated with Main Street when N.J. Route 18 was established as part of the New Jersey Highway

Department’s freeway system during the 1950s. Today N.J. Route 18 is a multi-lane divided freeway that disconnects the Appleby Street neighborhood from downtown Old Bridge.

In general, the surveyed properties in Old Bridge can be classified as unremarkable mid-20th-century dwellings typical of suburban development in New Jersey. Many display evidence of flood damage inflicted during Hurricane Sandy in October of 2012. Acquisition and subsequent demolition of the properties nearest the Camden and Amboy Railroad Historic District as well as the New York and Long Branch Railroad Historic District will have no effect on either historic district as long as demolition is restricted to the boundaries of the Blue Acres tax parcels. The property at 17 Appleby Street is the only surveyed property within 1,000 feet of the Old Bridge Historic District, but it is not located within the boundaries of the historic district. Furthermore, it is separated from the district by both N.J. Route 18 and the South River; therefore, demolition of the house will have no effect on the significance of the Old Bridge Historic District. The results of this survey indicate that there are no historically significant properties affected by the proposed acquisition.

Table 4. Results of Architectural Survey.

Street Address	Block	Lot	Year Built	Recommendation
17 Appleby Street	26049	27	1910	No adverse effect.
14 Bayshore Avenue	1	13	1958	No adverse effect.
17 Bayshore Avenue	1	17	1949	No adverse effect.
19 Bayshore Avenue	1	19	1949	No adverse effect.
21 Bayshore Avenue	1	21	1949	No adverse effect.
25 Bayshore Avenue	1	25	1949	No adverse effect.
28 Bayshore Avenue	1	28	1930	No adverse effect.
29 Bayshore Avenue	1	29	1949	No adverse effect.
30 Bayshore Avenue	1	30	1949	No adverse effect.
32 Bayshore Avenue	1	32	1949	No adverse effect.
1 Cliffwood Way	1	1.11	1955	No adverse effect.
3 Cliffwood Way	1	1.12	1950	No adverse effect.
4 Cliffwood Way	1	4	1949	No adverse effect.
5 Cliffwood Way	1	5	1949	No adverse effect.
6 Cliffwood Way	1	6	1949	No adverse effect.
7 Cliffwood Way	1	7	1949	No adverse effect.
9 Cliffwood Way	1	9	1949	No adverse effect.
34 Cliffwood Way	1	34	1930	No adverse effect.
36 Cliffwood Way	1	36	1949	No adverse effect.
37 Cliffwood Way	1	37	1949	No adverse effect.
38 Cliffwood Way	1	38	1949	No adverse effect.
39 Cliffwood Way	1	39	1953	No adverse effect.
62 Pomona Blvd	1075	62-65	1959	No adverse effect.
66 Raritan Blvd	1075	66-70	1985	No adverse effect.
71 Raritan Blvd	1075	71-73	1961	No adverse effect.
75 Raritan Blvd	1075	74-76	1985	No adverse effect.

Street Address	Block	Lot	Year Built	Recommendation
8 Shoreline Avenue	1000	8	1950	No adverse effect.
10 Shoreline Avenue	1000	10	1950	No adverse effect.
11 Shoreline Avenue	1000	11	1950	No adverse effect.

Based on the field evaluation, application of best practices, and the restriction of demolition activities to the listed tax parcels, Hunter Research, Inc. has determined there will be No Adverse Effects of Historic Properties within the Area of Potential Effect. We respectfully request your concurrence with these findings.

Yours sincerely,



Patricia A. Madrigal, M.A.
Principal Investigator

Appendices

- A. Figures
- B. Photographs

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Appendix A
FIGURES

BLUE ACRES ACQUISITION PROPERTIES: OLD BRIDGE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

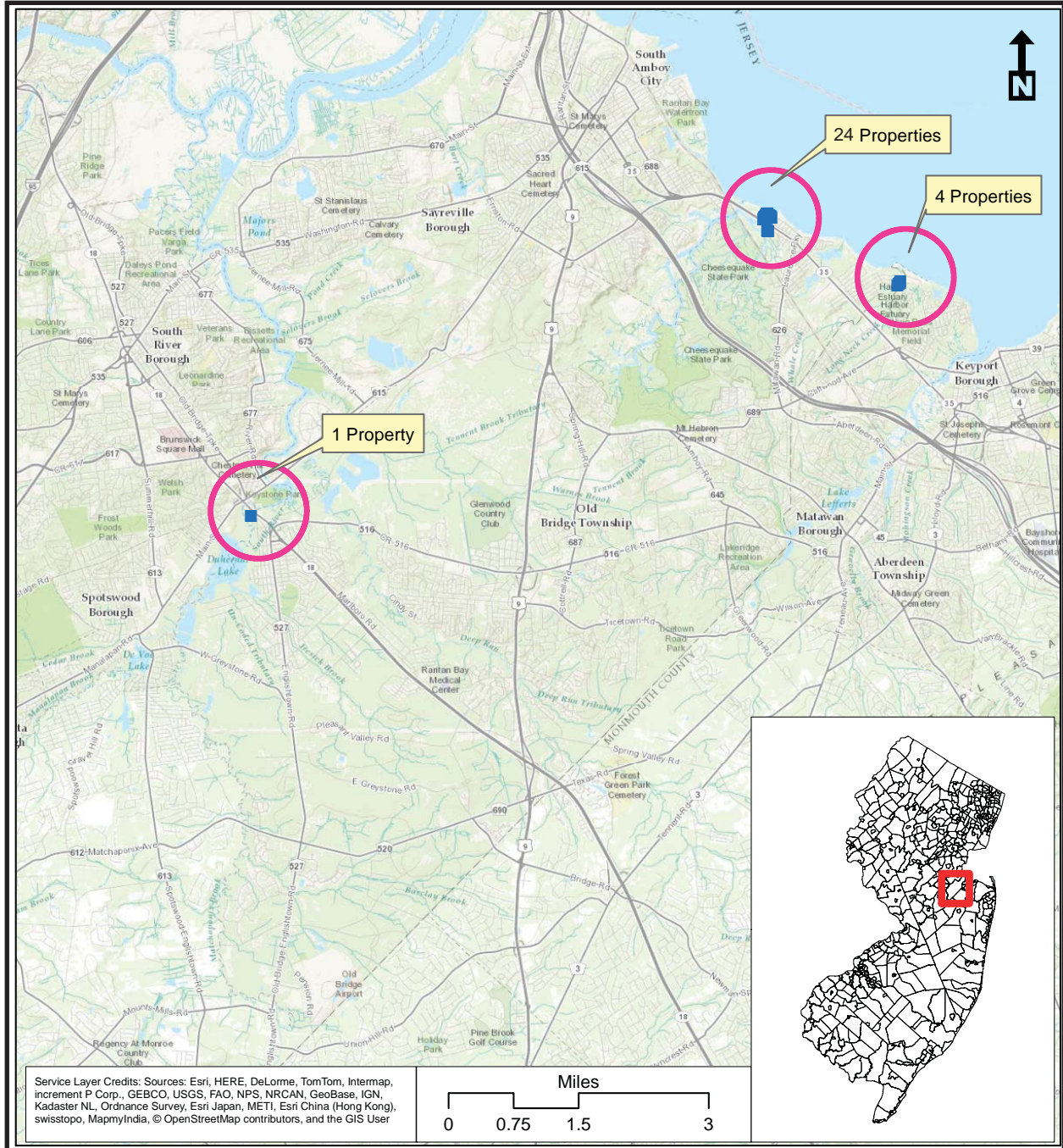


Figure 1. Location of Old Bridge Properties to be Acquired with Blue Acres Funding (Source: CDM Smith).



Figure 2a. Location of Old Bridge Properties (Cliffwood Way and Bayshore Avenue section) to be Acquired with Blue Acres Funding (Source: Google Earth 2010).



Figure 2b. Location of Old Bridge Properties (Shoreline Avenue section) to be Acquired with Blue Acres Funding (Source: Google Earth 2010).



Figure 2c. Location of Old Bridge Properties (Raritan Blvd and Pomona Blvd section) to be Acquired with Blue Acres Funding (Source: Google Earth 2010).



Figure 2d. Location of Old Bridge Properties (17 Appleby St property) to be Acquired with Blue Acres Funding (Source: Google Earth 2010).

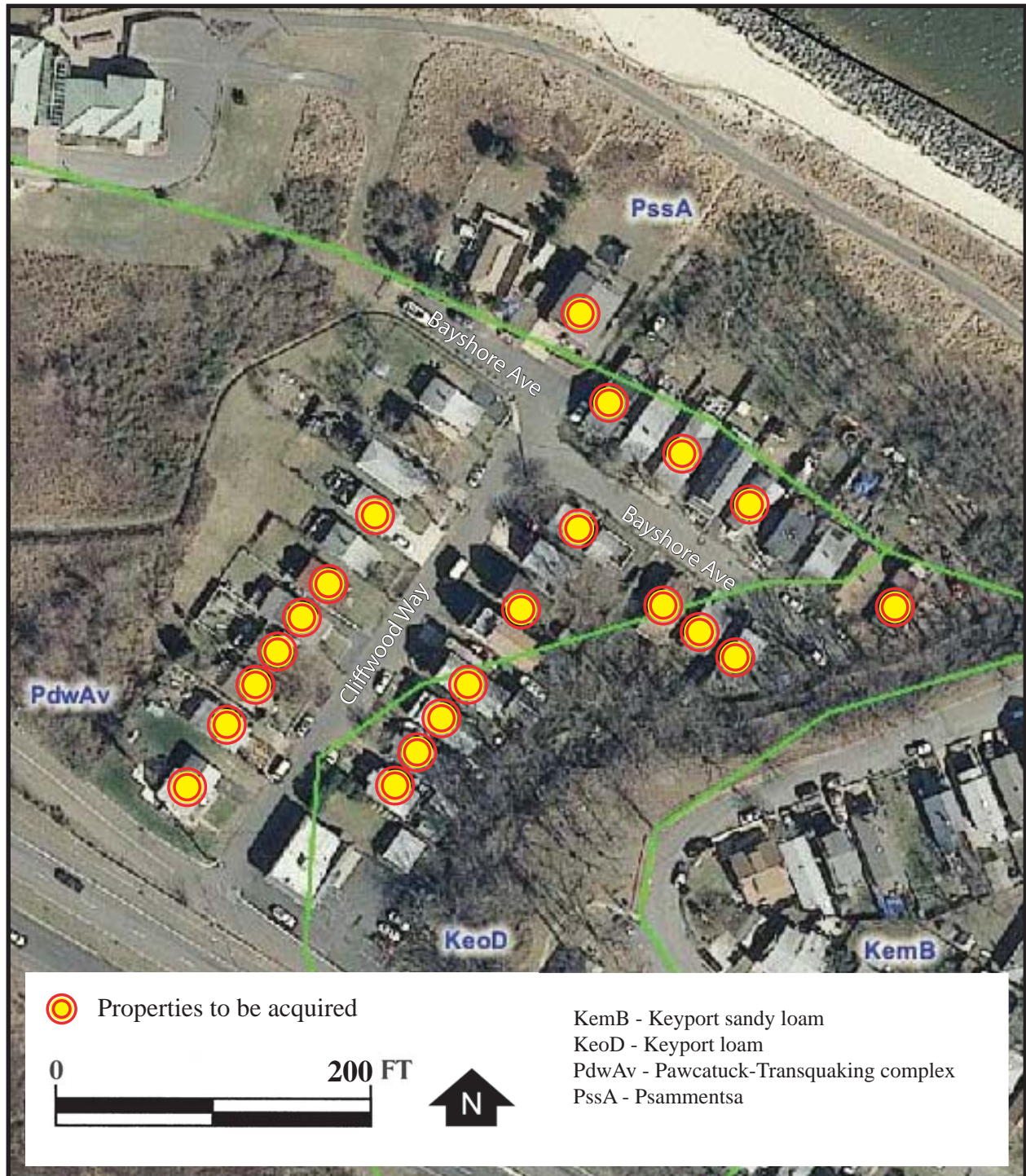


Figure 3a. Map of Soils in the Vicinity of the Old Bridge Properties (Cliffwood Way and Bayshore Avenue section) to be Acquired with Blue Acres Funding (Source: NJGeoWeb).



Figure 3b. Map of Soils in the Vicinity of the Old Bridge Properties (Shoreline Avenue section) to be Acquired with Blue Acres Funding (Source: NJGeoWeb).



Figure 3c. Map of Soils in the Vicinity of the Old Bridge Properties (Raritan Blvd and Pomona Blvd section) to be Acquired with Blue Acres Funding (Source: NJGeoWeb).



Figure 3d. Map of Soils in the Vicinity of the Old Bridge Properties (17 Appleby St property) to be Acquired with Blue Acres Funding (Source: NJGeoWeb).

Appendix B
PHOTOGRAPHS



Photograph 1. View looking northeast towards the southeast side of Cliffwood Way, with 7 Cliffwood Way at photograph right (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:011].



Photograph 2. View looking north along Cliffwood Way showing the northwest side of the street, with 34 Cliffwood Way being the first two-story house at photograph left (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:018].



Photograph 3. View looking north from the intersection of Cliffwood Way and Bayshore Avenue, showing 14 Bayshore Avenue at photograph right (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:022].



Photograph 4. View looking northeast towards the west corner of 19 Bayshore Avenue (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:027].



Photograph 5. View looking southeast towards the southwest side of Bayshore Avenue, with 30 Bayshore Avenue at photograph right (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:036].



Photograph 6. View looking northeast towards the northeast side of Shoreline Avenue, with 11 Shoreline Avenue at photograph left (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:038].



Photograph 7. View looking southwest towards the front (southeast) elevation of 66 Raritan Boulevard (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:043].



Photograph 8. View looking west towards the front (southeast) elevation of 71 Raritan Boulevard (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:045].



Photograph 9. View looking northwest towards the front (southeast) elevation of 75 Raritan Boulevard (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:050].



Photograph 10. View looking south towards the front (north) elevation of 62 Pomona Boulevard (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:051].



Photograph 11. View looking southwest towards the east elevation of 62 Pomona Boulevard. This elevation faces onto Raritan Boulevard (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:054].



Photograph 12. View looking west towards the front (east) elevation of 17 Appleby Street (Photographer: Alison Haley, October 2, 2014) [HRI Neg. # 14042/D1:001].