Amityville Waterfront Resiliency Improvements
Environmental Assessment
November 18, 2016

Project Name: Amityville Waterfront Resiliency Improvements

Project Location: Twenty-two (22) project site locations throughout the Village of Amityville, Suffolk County, New York

HTFC SHARS #: N/A

Federal Agency: U.S. Department of Housing and Urban Development
Responsible Entity: New York State Homes and Community Renewal
Governor's Office of Storm Recovery

Responsible Agency's Certifying Officer: Thomas J. King
Certifying Environmental Officer
99 Washington Avenue, Suite 1224
Albany, New York 12260
(518)473-0015, thomas.king@stormrecovery.ny.gov

Project Sponsor: Town of Babylon
Primary Contact: Richard Schaffer, Supervisor
200 E. Sunrise Highway, Lindenhurst, NY 11757
(631)957-3072

Project NEPA Classification: 24 CFR 58.36 (Environmental Assessment)

Environmental Finding:

- Finding of No Significant Impact - The project will not result in a significant impact on the quality of the human environment.

- Finding of Significant Impact - The project may significantly affect the quality of the human environment.

Certification

The undersigned hereby certifies that New York State Homes and Community Renewal has conducted an environmental review of the project identified above and prepared the attached environmental review record in compliance with all applicable provisions of the National Environmental Policy Act of 1969, as amended (42 USC Sec. 4321 et seq.) and its implementing regulations at 24 CFR Part 58.

Signature

Thomas J. King, Certifying Environmental Officer

Environmental Review Prepared By: The Louis Berger Group, Inc.
48 Wall Street, 16th Floor
New York, NY 10005

Savik & Murray,
Architecture & Engineering, PC
751 Coates Avenue, Suite 2,
Holbrook, New York 11741
CERTIFICATION OF NEPA CLASSIFICATION

It is the finding of the New York State Housing Trust Fund Corporation that the activity(ies) proposed in its 2016 NYS CDBG-DR project, Amityville Waterfront Resiliency Improvements, is:

Check the applicable classification.

☐ Exempt as defined in 24 CFR 58.34 (a).

☐ Categorically Excluded as defined in 24 CFR 58.35(b).

☐ Categorically Excluded as defined in 24 CFR 58.35(a) and no activities are affected by federal environmental statues and executive orders [i.e., exempt under 58.34(a)(12)].

☐ Categorically Excluded as defined in 24 CFR 58.35(a) and some activities are affected by federal environmental statues and executive orders.

☒ “Other” neither exempt (24 CFR 58.34(a)) nor categorically excluded (24 CFR 58.35).

☒ Part or all of the project is located in an area identified as a floodplain or wetland. For projects located in a floodplain or wetland, evidence of compliance with Executive Orders 11988 and/or 11990 is required.

For activities excluding those classified as “Other,” attached is the appropriate Classification Checklist (Exhibit 2-4) that identifies each activity and the corresponding citation.

November 18, 2016

Signature of Certifying Officer
Thomas J. King

Date
Certifying Environmental Officer
Title

Print Name


CERTIFICATION OF SEQRA CLASSIFICATION

It is the finding of the New York State Housing Trust Fund Corporation that the activity(ies) proposed in its 2016 NYS CDBG-DR project, Amityville Waterfront Resiliency Improvements, is:

Check the applicable classification:

☐ Type I Action (6NYCRR Section 617.4)
☐ Type II Action (6NYCRR Section 617.5)
☐ Unlisted Action (not Type I or Type II Action)

Check if applicable:

☐ Environmental Impact Statement (EIS) Prepared
☐ Draft EIS
☐ Final EIS

__________________________________________
Signature of Certifying Officer
Thomas J. King

__________________________________________
Date
November 18, 2016

__________________________________________
Certifying Environmental Officer
Print Name
Title
**Description of the Proposed Project** [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The Town of Babylon is proposing to construct approximately 2,000 linear feet of damaged bulkheads at 22 various publicly-owned locations throughout the Village of Amityville in the Town of Babylon, Suffolk County, New York (see Figure 1). The locations of the 22 individual project sites are depicted in Figure 2. The proposed project would repair damaged public infrastructure to restore and improve the structural integrity of public infrastructure to prevent erosion and protect roadways, residential communities, municipal resources, and local businesses from future flood damage.

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community and caused erosion of the shorelines at municipally-owned properties and roadways. Homes, businesses, public facilities, and roads south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures. The proposed project would rehabilitate and raise public bulkheads throughout the Village of Amityville. The proposed construction of the necessary bulkhead improvements would serve to minimize the damage caused wave overtopping during future storms.

Based on an assessment of the locations most in need of improvement, weighing which locations would most improve resiliency during future storms, engineering feasibility, and following a determination of available funding, a total of 22 individual bulkhead locations have been identified for repair, replacement or new construction. Of the 22 locations, project activities at 19 locations would consist of the reconstructions of existing bulkheads. Three locations (Sites 18, 19 and 22 in Table 1) would receive new bulkheads. All 22 bulkheads are located on public property owned by the Village of Amityville.

The total acreage of disturbance from the proposed bulkhead construction and repairs would be approximately 0.872 acres. Approximately 2 cubic yards of fill for each of the 19 locations with existing bulkheads may be required in order to raise the grade behind the bulkhead. For the three locations to receive new bulkheads, up to 10 cubic yards of fill may be required to support the bulkheads. All project activities are to be carried out in a manner consistent with the terms and conditions of the federal, state, and local permits.

Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkheads would be for the purpose of recapturing any lost fill during construction and would be performed using a clam shell dredge. No fill would be side cast. All fill would be cast landward of the bulkheads.

Throughout project implementation, precautions would be taken to prevent sedimentation of the associated waterways. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water’s edge.

The selected locations of bulkhead improvements are located along the shoreline of Narraskatuck Creek, Amityville Creek and Woods Creek. Figure 2 details the locations of the individual project locations. Table 1 provides further detail of the proposed activities at each individual bulkhead.
<table>
<thead>
<tr>
<th>ID Number</th>
<th>Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
</tr>
</thead>
</table>
| 1         | End Berger Avenue       | 2.54 feet / timber / Serious                                  | • Remove and replace existing wood bulkhead with new 107-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin |
| 2         | End S. Ketcham Avenue   | 3.02 feet / timber / Critical                                 | • Remove and replace existing wood bulkhead with new 80-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb and gutter  
• Remove existing drainage structure and install new catch basin |
| 3         | South Bayview Avenue    | 2.53 feet / timber / serious                                  | • Remove and replace existing wood bulkhead with new 115-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove and re-set existing post and rope fence |
| 4         | End Coles Avenue        | 2.65 feet / timber / Fair                                     | • Remove and replace existing wood bulkhead with new 70-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement |
<p>| | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td><strong>Remove existing drainage pipe and install new pipe</strong></td>
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<td><strong>Remove existing wood fence and install new timber guiderail</strong></td>
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<td><strong>Install tie-back system</strong></td>
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<td><strong>Remove and replace existing concrete curb</strong></td>
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<td><strong>Remove existing drainage structure and install new catch basin</strong></td>
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<td></td>
<td><strong>Remove and re-set existing sign and bench</strong></td>
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<td><strong>5</strong></td>
<td><strong>End Morris Street (West Side)</strong></td>
<td><strong>2.83 feet / timber / Serious</strong></td>
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<td></td>
<td><strong>Remove and replace existing wood bulkhead with new 45-linear-foot vinyl 4.9 foot bulkhead in same location</strong></td>
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<td><strong>Remove and replace existing asphalt pavement</strong></td>
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<td><strong>Remove existing drainage pipe and install new pipe</strong></td>
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<td><strong>Remove existing wood fence and install new timber guiderail</strong></td>
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<td><strong>Install tie-back system</strong></td>
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<td></td>
<td><strong>Install new catch basin</strong></td>
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<td></td>
<td><strong>Remove and re-set existing sign and bench</strong></td>
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<tr>
<td><strong>6</strong></td>
<td><strong>End Purdy Avenue</strong></td>
<td><strong>2.82 feet / timber / Serious</strong></td>
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<td></td>
<td><strong>Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location</strong></td>
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<td><strong>Remove and replace existing asphalt pavement</strong></td>
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<td><strong>Remove existing drainage pipe and install new pipe</strong></td>
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<td><strong>Remove existing wood fence and install new timber guiderail</strong></td>
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<td><strong>Install tie-back system</strong></td>
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<td></td>
<td><strong>Remove existing drainage structure and install new catch basin</strong></td>
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<td><strong>Remove and re-set existing fence, brick paver apron and block curb</strong></td>
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<td><strong>7</strong></td>
<td><strong>End Griffing Avenue</strong></td>
<td><strong>3.48 feet / timber / Serious</strong></td>
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<td><strong>Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location</strong></td>
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<td></td>
<td><strong>Remove existing drainage pipe and install new pipe</strong></td>
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<td></td>
<td><strong>Remove existing wood fence and install new timber guiderail</strong></td>
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<td></td>
<td><strong>Install tie-back system</strong></td>
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<td></td>
<td><strong>Remove existing drainage structure and install new catch basin</strong></td>
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<td></td>
<td><strong>Remove and re-set existing wood posts</strong></td>
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<td><strong>8</strong></td>
<td><strong>North End Fleming Canal</strong></td>
<td><strong>3.68 feet / timber with vinyl overlay / Satisfactory</strong></td>
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<td></td>
<td><strong>Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location</strong></td>
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<td><strong>Install check valve</strong></td>
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<tr>
<td></td>
<td>End Bayside Place</td>
<td>1.94 feet / timber / Poor</td>
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<tr>
<td>10</td>
<td>End New Point Place</td>
<td>2.73 feet / timber / Poor</td>
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<tr>
<td>11</td>
<td>End South Bay Avenue</td>
<td>3.17 feet / timber with vinyl overlay / Fair</td>
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<td></td>
<td>Location</td>
<td>Condition</td>
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</tbody>
</table>
|12 | Richmond Avenue, Public Dock     | 2.68 feet / vinyl / Poor | - Remove existing drainage structure and install new catch basin  
- Install new 260-linear-foot vinyl 4.9 foot bulkhead in same location  
- Remove and replace existing wood bulkhead  
- Install removable gate permeable pavers to provide access for maintenance and emergency service vehicles  
- Install new catch basin with a check valve to redirect surface runoff from Richmond Avenue  
- removal of the existing asphalt surface  
- resurfacing of the park with sod intended to contain storm water within the park;  
- construction of a new, ADA accessible boardwalk would be installed along the inside perimeter of the park |
|13 | End Braham Avenue                | 3.58 feet / timber with vinyl overlay / Fair | - Remove and replace existing wood bulkhead with new 130-linear-foot vinyl 4.9 foot bulkhead in same location  
- Remove and replace existing asphalt pavement  
- Remove existing drainage pipe and install new pipe  
- Install new timber guiderail  
- Install tie-back system  
- Remove existing drainage structure and install new catch basin  
- Remove and replace existing concrete curb  
- Remove and re-set existing sign and bench |
|14 | End Stuart Avenue                | 3.76 feet / timber with vinyl overlay / Poor | - Remove and replace existing wood bulkhead with new 100-linear-foot vinyl 4.9 foot bulkhead in same location  
- Remove and replace existing asphalt pavement  
- Remove existing drainage pipe and install new pipe  
- Remove existing guard rail and install new timber guiderail  
- Install tie-back system  
- Remove existing drainage structure and install new catch basin |
|15 | End Lebrun Avenue                | 3.97 feet / timber with vinyl overlay / Satisfactory | - Remove and replace existing wood bulkhead with new 30-linear-foot vinyl 4.9 foot bulkhead in same location  
- Remove and replace existing asphalt pavement  
- Remove existing drainage pipe and install new pipe |
<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Norman Avenue</td>
<td>Remove existing wood rail fence and install new timber guiderail</td>
<td>4.60 feet / timber with vinyl overlay / Fair</td>
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<td></td>
<td>Install tie-back system</td>
<td>Remove and replace existing metal pole, wood picket fence and cobble stone</td>
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<td></td>
<td>Install new catch basin</td>
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<td></td>
<td>Remove and re-set existing metal pole, wood picket fence and cobble stone</td>
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</tr>
<tr>
<td>End Cooper Avenue</td>
<td>Remove and replace existing wood bulkhead with new 60-linear-foot vinyl 4.9 foot bulkhead in same location</td>
<td>2.43 feet / timber / Poor</td>
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<tr>
<td></td>
<td>Install tie-back system</td>
<td>Remove and replace existing asphalt pavement</td>
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<td></td>
<td>Remove existing drainage pipe and install new pipe</td>
<td>Remove existing wood fence and install new timber guiderail</td>
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<td></td>
<td>Install tie-back system</td>
<td>Install new catch basin</td>
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<tr>
<td></td>
<td>Install new catch basin</td>
<td>Remove and re-set existing wood picket fence</td>
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<tr>
<td>End Perkins Avenue</td>
<td>Install new 105-linear-foot vinyl 4.9 foot bulkhead</td>
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<td></td>
<td>Remove existing wood fence and install new timber guiderail</td>
<td>0.0 feet (soft shoreline) / NA</td>
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<tr>
<td></td>
<td>Install tie-back system</td>
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<tr>
<td>End Meadow Lane</td>
<td>Install 55-linear-foot vinyl 4.9 foot bulkhead landward of the high water line</td>
<td>0.0 feet (soft shoreline) / NA</td>
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<td></td>
<td>Remove and replace existing asphalt pavement</td>
<td>Remove existing drainage pipe and install new pipe</td>
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<tr>
<td></td>
<td>Remove existing drainage pipe and install new pipe</td>
<td>Remove existing fence and install new timber guiderail</td>
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<td></td>
<td>Install tie-back system</td>
<td>Install new catch basin</td>
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<tr>
<td></td>
<td>Install new catch basin</td>
<td>Remove and replace existing retaining wall and gravel</td>
</tr>
<tr>
<td>End Morris Street</td>
<td>Remove and replace existing wood bulkhead with new 55-linear-foot vinyl 4.9 foot bulkhead in same location</td>
<td>3.54 feet / timber with vinyl overlay / Satisfactory</td>
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<tr>
<td>(East Side)</td>
<td>Remove and replace existing asphalt pavement</td>
<td>Remove existing drainage pipe and install new pipe</td>
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<tr>
<td></td>
<td>Remove existing guard rail and install new timber guiderail</td>
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</table>
Initially, the proposed project included 23 bulkhead locations. Upon further analysis of the planned locations, it became apparent that one location at the north end of Narraskatuck Creek, which does not contain an existing bulkhead, did not require a hardened shoreline. The shoreline at this location contains a tidal wetland providing a buffer between the waters of Narraskatuck Creek and Montauk Highway to the north. The environmental impacts of constructing a bulkhead at this location outweighed any benefits expected through the installation of a bulkhead and/or hardened shoreline. Therefore, this planned location was eliminated from the proposed project.

The bulkhead reconstruction proposed along the public park known as Richmond Park (Location 12 in Table 1) will include additional work to enhance this important local resource. The park itself consists of an empty lot previously paved with asphalt, which is now deteriorating. The existing bulkhead was compromised and is now in disrepair as a result of damage from Superstorm Sandy. The existing storm water drainage system was intended to support both the park and the end of Richmond Avenue to the northwest; nonetheless, rainfall continues to accumulate on the asphalt surface of the park. In addition to the proposed bulkhead replacement, this site would be improved through the following interventions: removal of the existing asphalt surface; installation of a new catch basin with a check valve to redirect surface runoff from Richmond Avenue; resurfacing of the park with sod intended to contain storm water within the park; construction of a new, ADA accessible boardwalk would be installed along the inside perimeter of the park; and installation of a removable gate and permeable pavers to provide access for maintenance and emergency service vehicles.

Benefits derived through the implementation of the proposed project would increase the resiliency of neighborhoods and roads adjacent to the bulkheads and reduce the risk of flooding and flood damage from future storms. Economic benefits would accrue to neighboring communities through the creation of temporary jobs and retention of maintenance jobs related to the design and construction of the waterfront resiliency improvements. In addition, the project would preserve real estate values, decrease homeowner costs of loss or damage to personal property, and reduce future storm-related
emergency and recovery costs. The project would also limit the severity of roadway flooding, protecting residents’ transportation access to health and medical facilities; eliminate ponding, which can breed disease-carrying mosquitoes; and enhance the quality of life for residents of this community.

**Statement of Purpose and Need for the Proposal** [40 CFR 1508.9(b)]:
As a coastal community, the community of Amityville absorbed the impact of storm surges during Superstorm Sandy. The Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. These events damaged the existing bulkheads at the 22 locations detailed in Figure 2 and Table 1. Homes, businesses, public facilities, and roads south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures.

The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The goals of the project are reducing the Community’s risks and vulnerability to storm surge flooding, reducing property damage, and maintaining roadway access for residents to and from emergency facilities and for emergency responders to and from high-risk neighborhoods. The bulkhead improvements would serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms.

**Existing Conditions and Trends** [24 CFR 58.40(a)]:
The project would occur within the Village of Amityville in the Town of Babylon, Suffolk County, New York. All statements and assumptions regarding the project’s components are based on publicly available mapping. Specific conditions and trends for the project locations are as follows:

**Location**
As depicted in Figure 1, the project area is located in the Village of Amityville and is bordered by Massapequa in Nassau County to the west, the Great South Bay to the south, the Hamlet of Copiague to the east, and North Amityville to the north.

**Land Use**
The character of land use in the project area is largely residential, with medium density and high density residential as the dominant uses. Some industrial and aquatic commercial land uses can be found along the water’s edge, which serve the many boats docked throughout the community, as well as a few parks providing recreational land uses. Land use designations at bulkhead locations are medium density and high density residential with the following exceptions: Location 22 at McDonald Avenue is low density residential; Location 3 at South Bayview Avenue is industrial (boat services) with a recreation land use across the street (James Caples Memorial Park); Location 12 at Richmond Avenue is recreational land use (beach entrance); and Locations 1 (Berger Avenue), 2 (South Ketcham Avenue), 4 (Coles Avenue), 18 (Perkins Avenue) and 19 (Meadow Lane) are surrounded by commercial land uses (boat docks).

The Village of Amityville has established zoning districts. Those within the project area include Residence Districts A, BB, B and C, Historic Districts H, Professional Mixed-Use Districts PM, and Marine Business Districts B-3. Most of the bulkhead locations are located within Residence Districts or Marine Business Districts zones.

**Floodplain Management**
Per Flood Insurance Rate Map (FIRM) Panels 36103C0841H and 36103C0843H, the bulkhead locations associated with the project are located in the 100 year flood plain (see Figure 3) and is adjacent to estuarine subtidal areas, which consist of deepwater tidal habitats and may contain adjacent tidal wetlands (see Figure 8).

Coastal Zone Management
The project is located within the boundary of the New York State Coastal Zone (see Figure 4). Although the Village of Amityville does not participate in the Local Waterfront Revitalization Program, proposed waterfront resiliency improvements for the Village of Amityville are detailed in the March 2014 Village of Amityville/Copiague NY Rising Community Reconstruction Plan.

Cultural and Ecological Resources
No historic districts are present in the project area, and the project is not within an archaeologically sensitive area. The Ketcham's Creek Freshwater Wetland Critical Environmental Area as a designated Critical Environmental Area (CEA) is located near the project area. However, this CEA is located outside of the project area to the north of Montauk Highway, and none of the locations identified for bulkhead improvements through the proposed project are expected to impact this CEA. The NYSDEC Environmental Assessment Form screening tool found that no unique geologic features or significant natural communities occur in the project’s vicinity.

Funding Information
Estimated Total HUD Funded Amount: $3,141,562.17

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: $3,141,562.17
Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

<table>
<thead>
<tr>
<th>Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6</th>
<th>Are formal compliance steps or mitigation required?</th>
<th>Compliance determinations</th>
</tr>
</thead>
</table>
| **Airport Hazards**  
24 CFR Part 51 Subpart D | | Based on guidance provided by HUD in Fact Sheet #D1, the National Plan of Integrated Airport Systems was reviewed for civilian, commercial service airports within the vicinity of the project locations. The proposed activity does not involve the sale or acquisition of property located within a Civil Airport Runway Clear Zones or Military airfields Clear Zones or Accident Potential Zones. No known civil airports are located within 2,500 feet and no known military airports are located within 15,000 feet of the project locations. No impacts would result.  
| **Coastal Barrier Resources**  
Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501] | | The project locations are not located with the Coastal Barrier Resource Area or buffer zone (see Figure 5). No impacts would result.  
http://www.fws.gov/ecological-services/habitat-conservation/cbra/Maps/index.html |
| **Flood Insurance**  
Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a] | | The project area is located entirely within the 100-year flood zone (see Figure 3). Flood Insurance Rate Maps 36103C0841H and 36103C0842H indicate that the all 22 of the proposed improvements are located within Special Flood Hazard Area AE (Base Flood Elevation is between 6-7 feet for all project locations). The Village of Amityville is in good standing with the National Flood Insurance Program (NFIP). However, proof of insurance is not a requirement for infrastructure projects (i.e., projects that do not involve a commercial or residential property holding flood insurance).  
https://msc.fema.gov/portal |
### Clean Air

**Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93**

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
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</table>

The proposed project is located in Suffolk County, which is designated as a moderate nonattainment area for 8-hour ozone (2008) and a maintenance area for PM – 2.5 (2006).

The proposed project involves the repair, replacement, and/or new construction of bulkheads at 22 individual locations. New piles and sheeting installed, and fill would be cast landward of the bulkheads.

Temporary emissions would result from construction equipment used during site preparation. A conformity determination was made according to the requirements of 40 CFR 93, Subpart B (federal general conformity regulations), via a screening, which was performed assuming that the emission intensity for the project would be similar to the average intensity of the construction sector in Suffolk County (see Appendix G). Projects with projected construction expenditure substantially lower than the average construction de minimis expenditure would clearly not exceed de minimis emissions levels for general conformity purposes.

Based on the screening analysis, the construction expenditure threshold for Suffolk County is $440 million before any project may be expected to exceed the de minimis thresholds requiring further analysis or conformity determination. The estimated construction cost of the project is approximately $3,141,562.17, which is much less than the $440 million threshold; therefore the proposed project would not require further analysis for conformity determination.

After the construction phase, the improvements would not generate any increase in traffic. Therefore, no significant impacts on air quality due to vehicular traffic would occur. Construction of the project would not generate significant levels of vehicular traffic; therefore, no exceedances of the National Ambient Air Quality Standard (NAAQS) associated with Ozone \( (O_3) \) or particulate matter (PM) would occur. Operation of the proposed project would not result in any major new stationary source of air pollutants. The project would not adversely affect the State Implementation Plan (SIP). No significant impacts on air quality would occur.

[http://www.epa.gov/airquality/greenbook/adden.html](http://www.epa.gov/airquality/greenbook/adden.html)

### Coastal Zone Management

**Coastal Zone Management Act, sections 307(c) & (d)**

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
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</table>

The proposed improvements are located within the boundaries of the New York State Coastal Zone (see Figure 4).

A New York State Coastal Consistency Assessment form and supporting documentation is attached (see Appendix A). The New York Department of State, Division of Coastal
Resources, concurred with the assessment that the proposed project would be consistent with the State General Concurrence Criteria on November 9, 2016 (see Appendix A).

http://www.dos.ny.gov/opd/atlas/

<table>
<thead>
<tr>
<th>Contamination and Toxic Substances</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 CFR Part 50.3(i) &amp; 58.5(i)(2)</td>
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</table>

The proposed project locations are not listed near any U.S. Environmental Protection Agency (EPA) Superfund National Priorities or Superfund Alternative Approach sites, nor are they located within 3,000 feet of any toxic or solid waste landfill site. However, some of the proposed improvements are located within 3,000 feet of sites known to be contaminated by toxic chemicals (see Figure 6).

The proposed improvements located at the end of Morris St. on the west side of the canal and the end of Morris St. on the east side of the canal are 2,700 feet from the Gent Uniform Rental Service, a State Superfund Program Site (130056) located at 5680 Merrick Rd, and the Gent Cleaners Voluntary Cleanup Program (V00093) at the same address. Contaminants at the above site are trichloroethene (TCE), and tetrachloroethene (PCE). These chemicals were introduced into soil and groundwater at the above site during uniform washing. Groundwater samples have shown that the TCE is moving south towards the Carmans River, located about 1,500 feet south of the site. However, samples taken of the surface water at the Carmans River showed no impact.

Therefore, given the distance between the Gent Uniform Rental Service Site and the proposed project locations, as well as separation by the Carmans River, there would be no impacts from the proposed improvements.

Several of the locations proposed for bulkhead improvements are located within 2,000 feet of spills reported to the New York State Department of Environmental Conservation (DEC). These include the locations of 56 Harbor Drive North, 334 South Bayview, 345 Merrick Road and the intersection of Merrick Road and Richmond Avenue. Toxic substances spilled include transformer oil and raw sewage. These spills are listed as closed by the DEC, meaning they have been resolved and would not be impacted by the proposed project.

http://www.dec.ny.gov/chemical/8437.html

http://www.dec.ny.gov/imsmaps/facilities/viewer.htm

<table>
<thead>
<tr>
<th>Endangered Species</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</td>
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</tbody>
</table>

Due to the nature and location of the proposed project activities, no potential effect on protected species or their habitat would result from implementation of the project. The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The bulkhead improvements would serve to repair
damaged public infrastructure and minimize damage and wave overtopping during future storms.

According to the USFWS IPaC Trust Resource Report and list of threatened and endangered species, there are six listed species that may potentially occur near the project area – piping plover (*Charadrius melodus*), red knot (*Calidris canutus rufa*), roseate tern (*Sterna dougallii dougallii*), sandplain gerardia (*Agalinis acuta*), seabeach amaranth (*Amaranthus pumilus*), and northern long eared bat (*Myotis septentrionalis*). In addition, there are several migratory birds listed on the IPaC report. There is no critical habitat designated within the project area. The shoreline within the project area is bulkheaded and highly developed and does not provide suitable habitat for any listed species. The immediate vicinity of the project area is subject to frequent human activity that is not conducive to use by protected species. The proposed project does not include tree removal and would not affect migratory birds or listed bat species. On August 16, 2016, the Governor’s Office of Storm Recovery requested, via a letter to the U.S. Fish and Wildlife Service’s New York Field Office, requested acknowledgement of the No Effect Determination. A response acknowledging receipt of the no effect determination was provided by USFWS on August 16, 2016 (see Appendix B).

The project area is not within the range of Atlantic salmon or shortnose sturgeon. Atlantic sturgeon are not likely to be present in the intertidal and shallow water depths within the project areas, and seasonal transient juvenile and adults are highly mobile and could easily avoid the project areas during construction. The presence of listed sea turtles or marine mammals within the project area is unlikely. These species may occur in the coastal waters of Long Island; however, their presence in shallow waters adjacent to the shoreline where bulkheads are installed would be rare. If such a species was present, it would be a transient presence with a limited temporal duration. In addition, the immediate vicinity of the project area is subject to frequent human activity that is not conducive to use by protected species. Therefore, the project would not directly affect any listed fish species, marine mammals, or sea turtles (see Appendix B).

The proposed project will have No Effect on protected species or habitats. Additionally, Best Management Practices such as the use of turbidity curtains, the placement of all fill landward of the bulkhead, and the installation of new piles and sheeting via jetting would be utilized to avoid potential impacts to listed species.

http://www.dec.ny.gov/imsmaps/ERM/viewer.htm
http://ecos.fws.gov/ipac/
### Explosive and Flammable Hazards

**24 CFR Part 51 Subpart C**

This criterion is applicable to HUD-assisted projects that involve new residential construction, conversion of nonresidential buildings to residential use, rehabilitation of residential properties that increase the number of units, or restoration of abandoned properties to habitable condition. As the proposed project involves shoreline stabilization and repairs to existing infrastructure, that does not result in an increased number of people being exposed to hazardous operations by increasing residential densities, converting the type of use of a building to habitation, or making a vacant building habitable, the provisions of 24 CFR Part 51 Subpart C do not apply. No hazardous operations handling conventional fuels or chemicals of an explosive or flammable nature were identified in the vicinity of the project locations. No impacts would result.

### Farmlands Protection

**Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658**

The proposed improvements are located on the following soil types: Riverhead and Haven soils, graded (RhB); Fill land, sandy (Fs); and Cut and fill land, gently sloping (CuB). None of these soils are designated as Prime, Unique or Farmland of Statewide Import Farmland per the US Department of Agriculture (USDA) soil classification (see Appendix D). Therefore, the proposed project is in compliance with the Farmland Protection Policy Act. No impacts would result.


### Floodplain Management

**Executive Order 11988, particularly section 2(a); 24 CFR Part 55**

The project area is located entirely within the flood zone (see Figure 3). Flood Insurance Rate Map (FIRM) Panels 36103C0841H and 36103C0843H indicate that the proposed project activities are located within Special Flood Hazard Area AE. The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The goals of the project are reducing the Community’s risks and vulnerability to storm surge flooding, reducing property damage, and maintaining roadway access for residents to and from emergency facilities and for emergency responders to and from high-risk neighborhoods. The bulkhead improvements would serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms. Specific actions would include repairs and replacements to the bulkheads as detailed in Table 1. No structural footprints would be expanded, and there would be no alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area. An 8-step decision making process was undertaken, which found that the proposed project would not have an impact on floodplain values (see Appendix E). Prior to construction, the Village of Amityville must apply for and
<table>
<thead>
<tr>
<th><strong>Historic Preservation</strong></th>
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<tbody>
<tr>
<td><strong>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800; Tribal notification for new ground disturbance.</strong></td>
<td><strong>Yes</strong></td>
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</tbody>
</table>

The Amityville Waterfront Resiliency Improvements Project area encompasses a mostly residential area of the Village of Amityville, with some commercial buildings along the northern edge of the project area concentrated along Montauk Highway. Examination of the project area through the New York State Historic Preservation Office’s (SHPO) Cultural Resource Information System (NY-CRIS) indicates that the project is not within an archaeologically sensitive area. A total of 144 properties have been previously surveyed within the project area, and there are no National Register listed properties. Two of these previously surveyed buildings have been determined eligible for listing in the National Register: a house at 168 Riverside Drive and the Harley Residence at 45 Griffing Avenue. Twenty-two properties have been determined not eligible, and the remaining 120 resources have not been evaluated with respect to National Register criteria.

The proposed project would involve ground disturbance that is limited to previously disturbed soils at all of the locations identified for bulkhead improvements. These locations are at the end of city streets and canals and are not associated with individual parcels. While the new bulkheads will be higher than the existing structures, they will not alter the general setting of the area. No historic districts are present in the project area, which is predominantly comprised of post-World War II housing.

Seventeen project locations (Site Numbers 1-3, 4, 6, 8-16, 19 and 22) have cut and fill soils that have a low potential for intact archaeological deposits. The remaining sites have graded Riverhead and Haven soils, indicating that the integrity of soils have been compromised.

Consultation with the New York State Historic Preservation Office was initiated on June 23, 2016. On June 28, 2016, SHPO concurred with the opinion that there would be No Adverse Effect to Historic Properties as a result of the proposed project (See Appendix C).

Tribal consultation with the following tribes was also sent to Unkechaug Nation; Shinnecock Indian Nation.

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<table>
<thead>
<tr>
<th><strong>Noise Abatement and Control</strong></th>
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<tbody>
<tr>
<td><strong>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</strong></td>
<td><strong>Yes</strong></td>
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</tbody>
</table>

The policies of 24 CFR 51.101(a)(3) do not apply to any action or emergency assistance under disaster assistance provisions or appropriations, which are provided to save lives and protect public health and safety. The proposed activity involves waterfront stabilization and repairs and would not result in a new facility that would generate noise in the project area, nor would it introduce any new or rehabilitate any existing noise sensitive uses. The proposed project would cause temporary increases in noise levels during construction. Noise over ambient...
levels would occur from the intermittent use of powered mechanical equipment for the construction of the bulkheading between the hours of 7:30am and 4:00pm, Monday through Saturday. Impacts from noise would be mitigated through compliance with local noise ordinances using construction best practices. As a result, the project is not anticipated to result in a significant contribution to existing noise levels. Therefore, no significant noise impacts would occur as a result of the proposed project.

The proposed project is situated within the boundaries of the Nassau-Suffolk Aquifer (see Figure 7). The amount of impervious area near the existing bulkheads would not increase as a result of the proposed improvements. Instead, project activities would convert some currently impervious surfaces to permeable surfaces. Project benefits would include disaster risk reduction through improvements to the public bulkhead system, which would increase the resiliency of neighborhoods and roads adjacent to the bulkheads and reduce the risk of flooding and flood damage from future storms.

The proposed improvement activities would not result in any indirect or secondary impacts in terms of new development or new demands on the sole source aquifer. Replacement and upgrades of bulkheads would not impact the supply or quality of water in the aquifer, nor would such improvements have the potential to introduce contaminants into the aquifer. Construction best management practices (BMPs), including the use of Spill Prevention, Control, and Countermeasure (SPCC) Plans to prevent leaks and spills into adjacent waterways, would be adhered to throughout the construction period.

Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge. No fill would be side cast. All fill would be cast landward of the bulkhead.

At the bulkhead located on the public dock known as Richmond Park, which is Location 12 in Table 1, the paved asphalt lot would be resurfaced with sod intended to contain storm water within the park. The existing storm water drainage system was intended to support the park; however, rainfall currently accumulates on the asphalt surface of the park. In addition to the proposed bulkhead replacement, this site will be improved through removal of the existing asphalt surface, installation of a new catch basin with a check valve to redirect surface runoff, and resurfacing of the park with sod intended to contain storm water within the park. These improvements would result in minor beneficial impacts to the existing capacity for sole source aquifer recharge.

Projects in the SSA area are subject to review by the U.S. Environmental Protection Agency (U.S. EPA) according to Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149.
the terms of the HUD/EPA MOU. There are no wells or Source Water Assessment Protection areas within a half-mile of any of the project locations. Per the MOU, Attachment 2.A Non-Housing/Project Activity Initial Screen Criteria Sole Source Aquifer Checklist was submitted to the U.S. Environmental Protection Agency (U.S. EPA) which indicated that no negative impacts to the Sole Source Aquifer are anticipated. Consultation with EPA Region 2 was initiated on June 22, 2016. A response indicating concurrence was received on August 3, 2016 (See Appendix F).

Therefore, the proposed activity is in compliance with the Safe Drinking Water Act; 40 CFR Par 149. 
https://www.epa.gov/dwssa

According to the National Wetlands Inventory none of the bulkhead locations are in designated wetlands (see Figure 8). Bulkheads on Narraskatuck Creek, Woods Creek, Amityville Creek, and Great South Bay are located in waters designated as “Estuarine and Marine Deepwater (E1UBL)”. Locations within canals are located in “Canal, Estuarine and Marine Deepwater (E1UBLx)”. All bulkheads are at the edge of developed land containing existing disturbances. While these estuarine subtidal areas consist of deepwater tidal habitats that may contain adjacent tidal wetlands, the total area of potential disturbance from bulkhead replacement or construction would not exceed one acre. No dredging is proposed as a component of project construction, and any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. Incidental dredging that may occur during project activities would be solely for the purpose of recapturing any lost fill during construction.

Because no designated wetlands occur at the project locations, the project would not result in effects to wetlands under Executive Order 11990. The proposed project would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the village. Based on an assessment of the locations most in need of improvement, weighing which locations would most improve resiliency during future storms, engineering feasibility, and following a determination of available funding, a total of 22 individual bulkhead locations have been identified for repair, replacement or new construction.

Construction management practices would be utilized to avoid or minimize potential impacts to waters. Best management practices (BMPs), including the use of Spill Prevention, Control, and Countermeasure (SPCC) Plans to prevent leaks and spills into adjacent waterways, would

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Wetlands Protection
Executive Order 11990, particularly sections 2 and 5

Yes  No
be adhered to throughout the construction period. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period.

Because activities associated with the project would be located either within or immediately adjacent to navigable bodies of water, the following environmental permits will have to be obtained:

- NYSDEC Article 15, Title 5, Stream Disturbance Permit to physically disturb the banks of Narrasketuck Creek, Woods Creek, Amityville Creek, and Great South Bay;
- NYSDEC Article 15, Title 5, Excavation & fill in Navigable Waters Permit to allow for incidental dredging near the bulkhead locations below the mean water line;
- NYSDEC under Section 401 of the Clean Water Act, Water Quality Certification;
- USACE NWP 13 – Bank Stabilization Pre-Construction Notification;

The proposed improvements would disturb less than one acre of land; therefore, the Village would not have to apply for coverage under NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity Permit No. GP-0-15-002.

At the bulkhead located on the public dock known as Richmond Park, which is Location 12 in Table 1, the paved asphalt lot would be resurfaced with sod intended to contain storm water within the park.

Given adherence to these permitting requirements and best management practices, the proposed project would not have an effect on wetlands and is in compliance with Executive Order 11990.

http://www.fws.gov/wetlands/
https://www.fws.gov/wetlands/data/Wetland-Codes.html

<table>
<thead>
<tr>
<th>Wild and Scenic Rivers</th>
<th>Yes</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</td>
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</table>

The proposed activity is not in proximity of a listed Wild and Scenic River. The Upper Delaware Scenic and Recreational River is the only river listed in the state of New York under the National Wild and Scenic Rivers Act. River stretches located in Suffolk County and listed under the New York State Wild, Scenic and Recreational Rivers Act include the Connetquot, Carmans, and Nissequoque Rivers, none of which are located in the vicinity of the project area.

http://www.rivers.gov/maps/conus.php
http://www.dec.ny.gov/permits/32739.html

ENVIRONMENTAL JUSTICE
| Environmental Justice | Yes | No | None of the bulkhead locations for the proposed project are located in or adjacent to potential environmental justice areas identified by the New York State Department of Environmental Conservation (see Figure 9). This project would not raise environmental justice issues and has no potential for new or continued disproportionately high and adverse human health and environmental effects on minority or low-income populations. http://www.dec.ny.gov/public/899.html |
Environmental Assessment Factors  [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27]
Recorded below is the qualitative and quantitative significance of the effects of the proposed project on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. All conditions, attenuation or mitigation measures have been clearly identified.

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

(1) Minor beneficial impact
(2) No impact anticipated
(3) Minor Adverse Impact – May require mitigation
(4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

<table>
<thead>
<tr>
<th>Environmental Assessment Factor</th>
<th>Impact Code</th>
<th>Impact Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAND DEVELOPMENT</td>
<td>2</td>
<td>No impacts would occur. The character of land use in the project area is largely residential, with medium density and high density residential as the dominant uses. Some industrial and aquatic commercial land uses can be found along the water’s edge, which serve the many boats docked throughout the community, as well as a few parks providing recreational land uses. Land use designations at bulkhead locations are medium density and high density residential with the following exceptions: Location 22 at McDonald Avenue is low density residential; Location 3 at South Bayview Avenue is industrial (boat services) with a recreation land use across the street (James Caples Memorial Park); Location 12 at Richmond Avenue is recreational land use (beach entrance); and Locations 1 (Berger Avenue), 2 (South Ketcham Avenue), 4 (Coles Avenue), 18 (Perkins Avenue) and 19 (Meadow Lane) are surrounded by commercial land uses (boat docks). The Village of Amityville has established zoning districts. Those in the project area include Residence Districts A, BB, B and C, Historic Districts H, Professional Mixed-Use Districts PM, and Marine Business Districts B-3. Most of the bulkhead locations are located within Residence Districts or Marine Business Districts zones. The proposed improvements would not result in the creation of new jobs and/or an increase in the number of employees and would therefore not increase density or urbanize the project area to a further extent. Instead, it would help preserve the existing land uses by protecting them from storm damage and preserve existing property values. The proposed improvements would not alter lots or create or alter buildings and thus would conform to land use regulation and zoning designation at and adjacent to the project locations.</td>
</tr>
<tr>
<td>Topic</td>
<td>Impact Level</td>
<td>Description</td>
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<tr>
<td>Soil Suitability/ Slope/Erosion/ Drainage/ Storm Water Runoff</td>
<td>1</td>
<td>Beneficial impacts are anticipated. The proposed project includes the rehabilitation of bulkheads and associated infrastructure within the Village of Amityville, which would result in shoreline stabilization and improvements that mitigate future impacts of tidal and coastal flooding and erosion. In addition to the proposed bulkhead replacement at the public dock known as Richmond Park (Location 12 in Table 1), this site would be improved through the removal of the existing asphalt surface and resurfacing of the park with sod intended to contain storm water within the park.</td>
</tr>
<tr>
<td>Hazards and Nuisances including Site Safety and Noise</td>
<td>3</td>
<td>Minor adverse impacts would occur during construction, but these impacts would be temporary and would be mitigated. The development of the proposed project would consist of typical construction practices associated with infrastructure upgrades. The proposed project would cause temporary increases in noise levels during construction, during which time noise over ambient levels would occur from the intermittent use of powered mechanical equipment used in the bulk heading between the hours of 7:30am and 4:00pm, Monday through Saturday. Impacts from noise would be mitigated through compliance with local noise ordinances using construction best practices. Measures would be implemented to minimize the exposure of workers and public to hazardous materials present at the project locations.</td>
</tr>
<tr>
<td>Energy Consumption</td>
<td>2</td>
<td>No impacts would occur. The proposed project would not require additional connections to existing energy utilities serving the area and would meet New York State energy requirements. During operation, the proposed project would not result in increased energy demand beyond current conditions in the project area, nor would it impact electrical generation or distribution. No impacts would result.</td>
</tr>
<tr>
<td><strong>Socioeconomic</strong></td>
<td></td>
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<tr>
<td>Employment and Income Patterns</td>
<td>1</td>
<td>Beneficial impacts are anticipated. The actions comprising the proposed project are limited to the rehabilitation of bulkheads and associated infrastructure and have no potential to affect employment opportunities or income patterns. Short-term, localized beneficial effects to employment may occur as the result of temporary construction jobs related to the project. Although no permanent jobs are expected to be added, the proposed project has the potential to allow for a more pleasant waterfront, attracting additional tourists to the park and promoting the local tourism economy.</td>
</tr>
<tr>
<td>Demographic Character Changes, Displacement</td>
<td>2</td>
<td>No impacts would occur. The proposed project is being undertaken to rehabilitate bulkheads and stabilize the community waterfront. The project is not expected to induce any change in the demographic character of the adjoining neighborhoods. In addition, the proposed project would not result in any new residential units and would therefore not change the demographic character of the area.</td>
</tr>
<tr>
<td><strong>Community Facilities and Services</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educational and Cultural Facilities</td>
<td>2</td>
<td>No impacts would occur. The proposed project would not result in any new residential units. Therefore, the proposed project would not result in impacts to educational facilities. The proposed project would not adversely impact cultural facilities. Consultation with the New York State Historic Preservation Office (SHPO) was initiated on June 23, 2016. On June 28, 2016, SHPO concurred with the opinion that there would be No Adverse Effect to Historic Properties as a result of the proposed project (See Appendix C).</td>
</tr>
<tr>
<td>Category</td>
<td>Impact Level</td>
<td>Description</td>
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<tr>
<td>Commercial Facilities</td>
<td>2</td>
<td>No impacts would occur. The proposed project is limited to the rehabilitation of bulkheads and associated infrastructure and would not introduce any new development that would require retail services or other commercial facilities.</td>
</tr>
<tr>
<td>Health Care and Social Services</td>
<td>2</td>
<td>No impacts would occur. The proposed project is limited to the rehabilitation of bulkheads and associated infrastructure and would not introduce any new development that would affect the current availability of existing health care or social services, nor would it generate additional demand for these community services.</td>
</tr>
<tr>
<td>Solid Waste Disposal / Recycling</td>
<td>2</td>
<td>No impacts would occur. The proposed project is limited to the rehabilitation of bulkheads and associated infrastructure and would not result in the generation of solid waste. Moreover, the quantity of solid waste generated during construction activities would not present a measureable increase from existing conditions.</td>
</tr>
<tr>
<td>Waste Water / Sanitary Sewers</td>
<td>2</td>
<td>No impacts would occur. The proposed project would not affect the capacity of the existing sanitary sewer system in the Village of Amityville. The proposed improvements would not generate increased demand for wastewater treatment because no wastewater would be generated.</td>
</tr>
<tr>
<td>Water Supply</td>
<td>2</td>
<td>No impacts would occur. The proposed project is limited to the rehabilitation of bulkheads and associated infrastructure and would not generate increased demand for water.</td>
</tr>
<tr>
<td>Public Safety - Police, Fire and Emergency Medical</td>
<td>1</td>
<td>Beneficial impacts are anticipated. The proposed project would result in the rehabilitation of bulkheads within the Village of Amityville. Such improvements would have no effect on demand for police, fire and emergency medical services. Neither construction nor operation of the project would present an additional burden to local public safety services. Project benefits would include disaster risk reduction through improvements to the public bulkhead system, which would reduce vulnerability to storm surge flooding and maintain roadway access for residents to and from emergency facilities and for emergency responders to and from high-risk neighborhoods.</td>
</tr>
<tr>
<td>Parks, Open Space and Recreation</td>
<td>1</td>
<td>Beneficial impacts are anticipated. The proposed improvements would improve and/or protect existing parks and open recreation spaces. Location 3 is near the James Caples Memorial Park and the Amityville Municipal Bathing Beach Park. Location 12 is located at the Richmond Avenue Public Dock. The bulkheads at these location would protect the associated parks from flooding and erosion during storms. In addition, as part of the bulkhead improvements at Richmond Park the current deteriorating parking lot's asphalt surface would be removed and resurfaced with sod, a new ADA accessible boardwalk would be installed, and a removable gate and permeable pavers would be added to provide access for maintenance and emergency service vehicles.</td>
</tr>
<tr>
<td>Transportation and Accessibility</td>
<td>3</td>
<td>Minor, temporary construction-related impacts would occur. However, localized minor adverse impacts to accessibility occurring as a result of construction-related vehicle trips during the period of renovation activities would be minimized through the use of a maintenance and protection of traffic (MPT) plan. The project would not result in a significant adverse impact on transportation and accessibility because the bulkheads are located at the end of city streets and canals, and the rehabilitation of bulkheads would not introduce a new development of the scale and degree that would require new or improved</td>
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transportation connections or contribute significantly to existing demand on transportation services in the village.

<table>
<thead>
<tr>
<th>NATURAL FEATURES</th>
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<tbody>
<tr>
<td><strong>Unique Natural Features, Water Resources</strong></td>
<td>No impacts would occur. The Environmental Review Guide for CDBG-DR Programs defines unique natural features as &quot;primarily geological features which are unique in the sense that their occurrence is infrequent or they are of special social/cultural, economic, educational, aesthetic, or scientific value. Development on or near them may render them inaccessible to investigators or visitors or otherwise limit potential future use and appreciation of these resources. Examples of unique natural features include: sand dunes, waterfalls, unique rock outcroppings, caves with limestone or gypsum deposits, canyons, and petrified forests. Also included are unique stands of trees, such as redwoods, or unique colonies of animals, such as a prairie dog town. The NYSDEC lists the Ketcham’s Creek Freshwater Wetland Critical Environmental Area as a designated Critical Environmental Area (CEA) is located near the project area. However, this CEA is located outside of the project area to the north of Montauk Highway, and none of the locations identified for bulkhead improvements through the proposed project are expected to impact this CEA. The NYSDEC Environmental Assessment Form screening tool found that no unique geologic features or significant natural communities occur in the project’s vicinity. The project locations do not contain any agricultural lands and is not suited for agricultural uses. None of the bulkhead locations are in designated wetlands. Bulkheads on Narraskatuck Creek, Woods Creek, Amityville Creek, and Great South Bay are located in waters designated as “Estuarine and Marine Deepwater (E1UBL).” Locations within canals are located in “Canal, Estuarine and Marine Deepwater (E1UBLx).” All bulkheads are at the edge of developed land containing existing disturbances. While these estuarine subtidal areas consist of deepwater, tidal habitats may contain adjacent tidal wetlands. The total area of potential disturbance from bulkhead replacement or construction would not extend beyond one acre.</td>
</tr>
<tr>
<td><strong>Vegetation, Wildlife</strong></td>
<td>Impacts to vegetation and wildlife would be minor and short-term. The new vinyl bulkheads would be constructed within the same location of the existing, damaged bulkheads. However, upland vegetation may be present landward of the bulkheads, likely grass with some opportunistic herbaceous species, that may be damaged during construction or mobilization of construction equipment. Following construction, the pervious and impervious surfaces at each project location would be allowed to naturally revegetate following construction. Wildlife expected to occur within the vicinity of the project area include mobile species that can easily avoid the project area during construction. Terrestrial species such as raccoons, squirrels, rabbits, sparrows, and passerine birds, may be present within the uplands adjacent to project area bulkheads, but due to dense development the project areas do not support quality foraging, nesting, or shelter for wildlife species. Fish species likely to be found in the waters in the vicinity of the bulkheads include black sea bass (<em>Centropristis striata</em>), bluefish (<em>Pomatomus saltatrix</em>), tautog (<em>Tautoga onitis</em>), winter flounder (<em>Pseudopleuronectes americanus</em>) and forage species such as mummichog (<em>Fundulus heteroclitus</em>), and Atlantic silversides (<em>Menidia</em>).</td>
</tr>
</tbody>
</table>
menidia). Impacts to wildlife and fish would be limited to avoidance of the immediate project area during construction activity. Wildlife and fish species that may be temporarily displaced would be expected to return upon completion of construction. Best Management Practices such as the use of turbidity curtains, the placement of all fill landward of the bulkhead and the installation of new piles and sheeting via jetting would be utilized to avoid or minimize potential impacts to aquatic species.

According to the USFWS IPaC Trust Resource Report and list of threatened and endangered species, there are six listed species that may potentially occur within the project area – piping plover (Charadrius melodus), red knot (Calidris canutus rufa), roseate tern (Sternula dougallii dougallii), sandplain gerardia (Agalinis acuta), seabeach amaranth (Amaranthus pumilus), and northern long eared bat (Myotis septentrionalis). In addition, there are several migratory birds of concern that could potentially be affected by the proposed project. There is no critical habitat designated within the project area. The shoreline within the project area is bulkheaded and highly developed and does not provide suitable habitat for any listed species. The immediate vicinity of the project area is subject to frequent human activity that is not conducive to use by protected species. The proposed project does not include tree removal and would not affect migratory birds or listed bat species. On August 16, 2016, the Governor’s Office of Storm Recovery requested, via a letter to the U.S. Fish and Wildlife Service’s New York Field Office, requested acknowledgement of the No Effect Determination. A response acknowledging receipt of the no effect determination was provided by USFWS on August 16, 2016 (see Appendix B).

The project area is not within the range of Atlantic salmon or shortnose sturgeon. Atlantic sturgeon are not likely to be present in the intertidal and shallow water depths within the project areas, and seasonal transient juvenile and adults are highly mobile and could easily avoid the project areas during construction. The presence of listed sea turtles or marine mammals within the project area is unlikely. These species may occur in the coastal waters of Long Island; however, their presence in shallow waters adjacent to the shoreline where bulkheads are installed would be rare. If such a species was present, it would be a transient presence with a limited temporal duration. In addition, the immediate vicinity of the project area is subject to frequent human activity that is not conducive to use by protected species. Therefore, the project would not directly affect any listed fish species, marine mammals, or sea turtles (see Appendix B).

The proposed project is expected to have no potential to affect protected species or habitats. Additionally, Best Management Practices such as the use of turbidity curtains, the placement of all fill landward of the bulkhead, and the installation of new piles and sheeting via jetting would be utilized to avoid or minimize potential impacts to listed species.

<table>
<thead>
<tr>
<th>Other Factors</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>There are no other factors applicable to the proposed project.</td>
</tr>
</tbody>
</table>
Additional Studies Performed


Field Inspection (Date and completed by): Completed by Rising Tide Waterfront Solutions on September 11, 2015.

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

**Sources**

Pre-Application Report, Town of Babylon, Village of Amityville/Copiague Waterfront Resiliency Improvements, November 13th, 2014

Application for Funding Amityville Waterfront Resiliency Improvements to NY State CDBG-Disaster Recovery Program, September 2015, Prepared by Hunt, Guillot, & Associates, LLC.

Town of Babylon, Bulkhead Improvements, Designs/Plans, Savik and Murray, Draft, May 2016

Engineer’s Preliminary Estimate, Village of Amityville Waterfront Resiliency Project, Savik and Murray, March, 2016

Amityville Waterfront Resiliency, Inspection Summary, Bulkhead Design and Construction, Rising Tide/Waterfront Solutions, September 2015


New York State Historic Preservation Office (SHPO) and the Division for Historic Preservation (DHP) within the Office of Parks, Recreation and Historic Preservation (OPRHP), New York State Cultural Resource Information System (CRIS), [https://cris.parks.ny.gov/](https://cris.parks.ny.gov/)


United States Environmental Protection Agency, Sole Source Aquifers, https://www.epa.gov/dwssa


See Figures 1-9 and Appendices A-G for additional sources.

**Agencies and Persons Consulted**

Consistency Review Unit, New York State Department of State Division of Coastal Resources

New York State Department of Environmental Conservation; Division of Fish, Wildlife and Marine Resources, Natural Heritage Program

New York State Department of Environmental Conservation; Division of Environmental Permits, Region 1

New York Ecological Services Field Office, U.S. Fish & Wildlife Service

Division for Historic Preservation, New York State Parks, Recreation & Historic Preservation

Tribal consultation: Unkechaug Nation; Shinnecock Indian Nation

**List of Permits Obtained or Required:**

Permit assumptions are based on project description and available mapping. Specific permits required will be determined based on field verification and delineations during the permitting stage.

<table>
<thead>
<tr>
<th>Federal Permits, Approvals, and/or Consultations</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Water Act – Section 404 - Nationwide Permit 3 (Maintenance)</td>
<td>USACE</td>
</tr>
<tr>
<td>Section 10 - Rivers and Harbors</td>
<td>USACE</td>
</tr>
</tbody>
</table>
Clean Water Act – Section 404 - Nationwide Permit 13 (Bank Stabilization Pre-Construction Notification)  

**New York State and Local Permits, Approvals, and/or Consultations:**

<table>
<thead>
<tr>
<th>Permit Description</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Quality Certification – Section 401 of the Clean Water Act</td>
<td>NYS DEC</td>
</tr>
<tr>
<td>Coastal Zone Management</td>
<td>NYS DOS</td>
</tr>
<tr>
<td>NYS Historic Preservation Act - Section 14.09</td>
<td>NYS OPRHP</td>
</tr>
<tr>
<td>Excavation &amp; fill in Navigable Waters Permit</td>
<td>NYS DEC</td>
</tr>
<tr>
<td>Floodplain Development Permit</td>
<td>Local Floodplain Administrator</td>
</tr>
</tbody>
</table>

**Public Outreach [24 CFR 50.23 & 58.43]:**

This project is part of the NY Rising Community Reconstruction program and is spawned from a nearly year-long community engagement process with over many public meetings and 4 public engagement events. In addition, a 15-day public review period for this Environmental Assessment was initiated upon publication of the combined notice of Finding Of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOI/RROF). During this period, any individual, group or agency could submit written comments on the Project.

**Cumulative Impact Analysis [24 CFR 58.32]:**

Current and reasonably foreseeable projects identified in the project area include: storm sewer and utility improvements south of Montauk Highway and critical emergency evacuation route roadway and bridge improvements. These planned activities were identified in the October 2013 Conceptual Plan for the Village of Amityville/Copague and would serve areas located between Montauk Highway and the bay front of the southern section in the Village of Amityville and the Hamlet of Copiague, including critical access routes connecting south to the bayside residential neighborhoods.

Impacts from the proposed project, when combined with those of the projects occurring in the project vicinity described above, may contribute to minor short-term cumulative impacts to noise, transportation and public safety. However, the majority of impacts from the proposed project would be short-term in duration and occur only during the construction period associated with bulkhead rehabilitation. As a result, adverse cumulative impacts from the proposed project would be minimal and are not expected to rise to a level of significance in the context of overall development occurring within the vicinity of the project. Because the construction periods associated with each of these projects are staggered and would not occur simultaneously, there would be no contribution to cumulative impacts during construction.

**Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]:**

The approach to the design of the rehabilitated bulkheads included consideration of a modified alternative which proposed construction of the bulkheads utilizing more natural methods such as wetland planting, coir logs and stone fill.
The goals for this project are to reduce the Community’s risks and vulnerability to storm surge flooding, reduce property damage, and maintain roadway access for residents to and from emergency facilities and for emergency responders to and from high-risk neighborhoods. The modified alternative was not selected because it would not best meet these goals. Although the modified alternative includes landscaping elements that are more environmentally sensitive, and while such options could be considered for locations less prone to flooding and storm damage, wetland planting, coir logs and stone fill would not provide the required additional level of protection against flooding during future storm events.

By contrast, the preferred alternative would provide upgraded bulkheads at all of the Village properties with a new top cap at elevation 4.9. This elevation was chosen based on the 10 year flood elevation and recommendations from the NYSDEC. Raising the bulkheads will provide added resiliency against storms as well as the 10 year flood events that occur more frequently in recent history. Because the locations identified for improvements under the proposed action already contain or previously contained bulkheads, replacement of the bulkheads is not expected to introduce new elements to the landscape that would result in adverse impacts.

**No Action Alternative [24 CFR 58.40(e)]:**

Without the proposed project, the bulkheads would remain in their current condition. There would be no added resiliency of the shoreline and protection against storms and rising sea levels. The existing bulkheads are in need of upgrades and replacement. If bulkhead repairs were not completed, there would be a resulting permanent loss of land as well as sedimentation of adjacent waterways due to erosion.

**Summary of Findings and Conclusions:**

As a coastal community, the community of Amityville absorbed the impact of storm surges during Superstorm Sandy. The Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. These events damaged the existing bulkheads at the 22 locations detailed in Table 1. Homes, businesses, public facilities, and roads south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures.

The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The goals of the project are reducing the Community’s risks and vulnerability to storm surge flooding, reducing property damage, and maintaining roadway access for residents to and from emergency facilities and for emergency responders to and from high-risk neighborhoods. The bulkhead improvements would serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms. Benefits derived through the implementation of the proposed project would increase the resiliency of neighborhoods and roads adjacent to the bulkheads and reduce the risk of flooding and flood damage from future storms. Economic benefits would accrue to neighboring communities through the creation of temporary jobs and retention of maintenance jobs related to the design and construction of the waterfront resiliency improvements. In addition, the project would preserve real estate values, decrease homeowner costs of loss or damage to personal property, and reduce future storm-related emergency and recovery costs. The project would also limit
the severity of roadway flooding, protecting residents’ transportation access to health and medical facilities; eliminate ponding, which can breed disease-carrying mosquitoes; and enhance the quality of life for residents of this community.

As shown above in the Environmental Assessment Checklist, no significant land development, neighborhood, socioeconomic, natural resources, community facility or other direct, indirect or cumulative impacts would result from the proposed project. As shown in the accompanying Statutory Checklists, the proposed project would comply with all relevant regulations listed in 24 CFR subparts 58.5 and 58.6.
**Mitigation Measures and Conditions [40 CFR 1505.2(c)]**

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

<table>
<thead>
<tr>
<th>Law, Authority, or Factor</th>
<th>Mitigation Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit Requirements</td>
<td>All permit conditions listed above or otherwise required for activities under the proposed project must be adhered to.</td>
</tr>
</tbody>
</table>

**Standard Conditions for All Projects**

Any change to the approved scope of work will require re-evaluation by the Certifying Officer for compliance with NEPA and other laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.
Determination:

☑ Finding of No Significant Impact [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

☐ Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

Preparer Signature
Joshua Schnabel, Environmental Planner, Louis Berger, Inc.

Signature of Certifying Officer
Thomas J. King

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).
FIGURES
Figure 1
Regional Location

Amityville Waterfront
Resiliency Improvements
Figure 2

Project Area

Amityville Waterfront Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Figure 3

Flood Hazard

Amityville Waterfront
Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Figure 4

Amityville Waterfront Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Amityville Waterfront Resiliency Improvements

Figure 5

Coastal Barrier Resource System

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Amityville Waterfront Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map

Figure 8

Wetlands

- Project Location
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

LOCATION 1 - End Berger Ave.
LOCATION 2 - End S. Ketcham Ave.
LOCATION 3 - South Bayview Ave.
LOCATION 4 - End Coles Ave.
LOCATION 5 - End Morris St. (East Side)
LOCATION 6 - End Purdy Lane
LOCATION 7 - End Bayside Pl.
LOCATION 8 - North End Fleming Canal
LOCATION 9 - End Bayside Pl.
LOCATION 10 - End New Point Pl.
LOCATION 11 - End South Bay Ave.
LOCATION 12 - Richmond Ave, Public Dock
LOCATION 13 - End Braham Ave.
LOCATION 14 - End Stuart Ave.
LOCATION 15 - End Lebrun Ave.
LOCATION 16 - End Norman Ave.
LOCATION 17 - End Copper Ave.
LOCATION 18 - End Perkins Ave.
LOCATION 19 - End Griffing Ave.
LOCATION 20 - End Morris St. (East Side)
LOCATION 21 - Bayside Canal
LOCATION 22 - End McDonald Ave.

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Figure 9

Potential EJ Areas

Amityville Waterfront
Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
APPENDIX A – COASTAL ZONE CONSISTENCY
November 9, 2016

Thomas J. King
Managing Director – Community Reconstruction
Certifying Environmental Officer
Governor’s Office of Storm Recovery
99 Washington Avenue, Suite 1224
Albany, New York 12260

Re: F-2016-0596(FA)
GOSR – Village of Amityville
Waterfront Resiliency Improvements
Repair/reconstruction of 2,000 linear feet of public
bulkheads (22 individual project locations) adjacent to
South Oyster Bay, Narraskatuck Creek, Amityville
Creek, and Woods Creek.

General Concurrence - No Objection To Funding

Dear Mr. King:

The Department of State received the information you submitted regarding the above matter on 7/11/2016.

The Department of State has determined that this proposal meets the Department’s general consistency concurrence criteria. Therefore, the Department of State has no objection to the use of the U. S. Housing and Urban Development funds for this financial assistance activity. This concurrence pertains to the financial assistance activity for this project only. If federal permits or other form of federal agency authorization is required for this activity, the Department of State will conduct a separate review for those permit activities. In such a case, please forward a copy of the federal application for authorization, a completed Federal Consistency Assessment Form, and all supporting information to the Department at the same time it is submitted to the federal agency from which the necessary authorization is requested.

When communicating with us regarding this matter, please contact Jeffrey Zappieri at (518) 474-6000 and refer to our file #f-2016-0596(FA).

Sincerely,

Jeffrey Zappieri
Supervisor, Consistency Review Unit
Office of Planning and Development

JZ/dc
October 18, 2016

Mr. Jeffrey Zappieri  
Consistency Review Unit  
New York State Department of State  
Division of Coastal Resources  
One Commerce Place  
99 Washington Avenue  
Albany, NY 12231-0001  

Re: REVISED Coastal Zone Management Act Federal Consistency Review  
Village of Amityville: Waterfront Resiliency Improvements Project  

Dear Mr. Zappieri:  

The New York State Governor’s Office of Storm Recovery (“GOSR”) received a funding application for the Village of Amityville: Waterfront Resiliency Improvements project (the “Proposed Project”), located in the Village of Amityville, Suffolk County, New York. Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), GOSR is acting under the auspices of New York State Homes and Community Renewal’s Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”) and is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 C.F.R. Part 58.  

The Proposed Project is located within the boundary of the New York State Coastal Zone. See Figure 1. As depicted in Figure 1, the project area is located in the Village of Amityville and is bordered by Massapequa in Nassau County to the west, the Great South Bay to the south, the Hamlet of Copiague to the east, and North Amityville to the north. Pursuant to the Coastal Zone Management Act, enclosed please find a completed Federal Consistency Assessment Form and supporting documentation for your review.  

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. Homes, businesses, public facilities, and roadways south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures. The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The bulkhead improvements would serve
to repair damaged public infrastructure and minimize damage and wave overtopping during future storms.

The proposed project would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the Village. A total of 22 bulkhead locations (individual project sites) were identified for repairs, replacement, or new construction. Locations were selected based on an assessment of the bulkheads most in need of improvement, engineering feasibility, and a determination of which projects would most increase resiliency. See Table 1.

The attached Draft Plans depict the selected locations for bulkhead improvements within the project area. A total of 19 bulkhead locations (individual project sites) have been identified for repair or replacement and 3 locations have been identified for new bulkhead. Since our earlier submission in July of 2016, the bulheads at these three locations have been modified to minimize extension below the high water line. Construction would involve removal of the existing damaged wooden bulkheads and the replacement with new vinyl bulkheads in same locations. These locations were identified via engineering assessment as the most vulnerable sites to be addressed to provide resiliency to future storms and proactively address sea level rise.

Project implementation is conditioned upon issuance of applicable federal and state permits, and construction will be performed in accordance with federal and state permit conditions. Construction methods would include mitigation measures to reduce potential impacts on water quality. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. Where practicable, new piles and sheeting would be installed via jetting which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column.

The initial plan for the proposed project included 23 bulkhead locations. Upon further analysis of the planned locations, it became apparent that one location (Location 20 at 11 Montauk Highway) at the north end of Narraskatuck Creek, which does not contain a bulkhead, did not require a hardened shoreline to provide shoreline resiliency. The shoreline at this location contains a tidal wetland providing a buffer between the waters of Narraskatuck Creek and Montauk Highway to the north. The environmental impacts of constructing a bulkhead at this location outweighed the benefits expected through the installation of a bulkhead and/or hardened shoreline. Therefore, this planned location was eliminated from the proposed project.
Responses can be sent to me via email at Thomas.King@StormRecovery.NY.gov. If you have any questions, please feel free to contact me at (518) 473-0015. Thank you for your consideration and cooperation.

Sincerely,

[Signature]

Director – Bureau of Environmental Review and Assessment
Assistant General Counsel

Encl.
Table 1. Site Locations, Existing Conditions, and Detailed Description of Proposed Project Activities

<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 1           | End Berger Avenue   | 2.54 feet / timber / Serious                                 | • Remove and replace existing wood bulkhead with new 107-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin                                                                 | Fill land, sandy             |
| 2           | End S. Ketcham Avenue | 3.02 feet / timber / Critical                              | • Remove and replace existing wood bulkhead with new 80-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb and gutter  
• Remove existing drainage structure and install new catch basin                                                                 | Fill land, sandy             |
| 3           | South Bayview Avenue | 2.53 feet / timber / Serious                                 | • Remove and replace existing wood bulkhead with new 115-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove and re-set existing post and rope fence                                                                 | Fill land, sandy             |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 4           | End Coles Avenue | 2.65 feet / timber / Fair | • Remove and replace existing wood bulkhead with new 70-linear-foot vinyl 4.9 foot bulkhead in same location  
  • Remove and replace existing asphalt pavement  
  • Remove existing drainage pipe and install new pipe  
  • Remove existing wood fence and install new timber guiderail  
  • Install tie-back system  
  • Remove and replace existing concrete curb  
  • Remove existing drainage structure and install new catch basin  
  • Remove and re-set existing sign and bench | Cut and Fill Land, Gently Sloping |
| 5           | End Morris Street (West Side) | 2.83 feet / timber / Serious | • Remove and replace existing wood bulkhead with new 45-linear-foot vinyl 4.9 foot bulkhead in same location  
  • Remove and replace existing asphalt pavement  
  • Remove existing drainage pipe and install new pipe  
  • Remove existing wood fence and install new timber guiderail  
  • Install tie-back system  
  • Install new catch basin  
  • Remove and re-set existing picket fence | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 6           | End Purdy Avenue | 2.82 feet / timber / Serious | • Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
  • Remove and replace existing asphalt pavement  
  • Remove existing drainage pipe and install new pipe  
  • Remove existing wood fence and install new timber guiderail  
  • Install tie-back system  
  • Remove existing drainage structure and install new catch basin  
  • Remove and re-set existing fence, brick paver apron and block curb | Fill land, sandy |
| 7           | End Griffing Avenue | 3.48 feet / timber / Serious | • Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
  • Remove existing drainage pipe and install new pipe  
  • Remove existing wood fence and install new timber guiderail  
  • Install tie-back system  
  • Remove existing drainage structure and install new catch basin  
  • Remove and re-set existing wood posts | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 8           | North End Fleming Canal      | 3.68 feet / timber / Satisfactory                             | • Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location  
• Install check valve  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb | Fill land, sandy                                                          |
| 9           | End Bayside Place            | 1.94 feet / timber / Poor                                     | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin  
• Remove and replace existing slate wall | Fill land, sandy                                                          |
| 10          | End New Point Place          | 2.73 feet / timber / Poor                                     | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing metal pole | Fill land, sandy                                                          |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 11          | End South Bay Avenue | 3.17 feet / wood / Fair | • Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin | Fill land, sandy |
| 12          | Richmond Avenue, Public Dock | 2.68 feet / vinyl / Poor | • Remove and replace existing wood bulkhead with new 260-linear-foot vinyl 4.9 foot bulkhead in same location  
• This location, known as Richmond Park, is in disrepair as a result of Hurricane Sandy. The existing bulkhead is compromised, and the park itself consists of an empty lot previously paved with asphalt, which is deteriorating. Rainfall accumulates on the asphalt surface of the park as the existing storm water drainage system, which was intended to support both the park and the end of Richmond Avenue to the northwest, is failing. In addition to the proposed bulkhead replacement, this site will be improved through the following interventions: removal of the existing asphalt surface; installation of a new catch with a check valve to surface runoff from Richmond Avenue; resurfacing of the park with sod intended to contain storm water within the park; construction of a new, ADA accessible boardwalk will be installed along the inside perimeter of the park; and installation of a removable gate and permeable pavers to provide access for maintenance and emergency service vehicles. | Fill land, sandy |
| 13          | End Braham Avenue | 3.58 feet / wood / Fair | • Remove and replace existing wood bulkhead with new 130-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and replace existing concrete curb  
• Remove and re-set existing sign and bench | Fill land, sandy |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 14          | End Stuart Avenue | 3.76 feet / wood / Poor                                       | • Remove and replace existing wood bulkhead with new 100-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin | Fill land, sandy                                      |
| 15          | End Lebrun Avenue | 3.97 feet / wood / Satisfactory                               | • Remove and replace existing wood bulkhead with new 30-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood rail fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove existing concrete curb and gutter  
| 16          | End Norman Avenue | 4.60 feet / wood / Fair                                       | • Remove and replace existing wood bulkhead with new 60-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and replace concrete curb and gutter | Fill land, sandy                                      |
| 17          | End Cooper Avenue | 2.43 feet / timber / Poor                                     | • Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
• Install tie-back system  
• Remove and re-set existing wood picket fence  
• Install new 105-linear-foot vinyl 4.9 foot bulkhead | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 18          | End Perkins Avenue | 0.0 feet / soft shoreline / Not Applicable                    | • Install new 105-linear-foot vinyl 4.9 foot bulkhead  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove tree and stump  
• Install new 105-linear-foot vinyl 4.9 foot bulkhead | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>End Meadow Lane</td>
<td>0.0 feet / soft shoreline / Not Applicable</td>
<td>• Install new 55-linear-foot vinyl 4.9 foot bulkhead</td>
<td>Fill land, sandy</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Remove and replace existing asphalt pavement</td>
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<td>• Remove existing drainage pipe and install new pipe</td>
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<td></td>
<td>• Remove existing fence and install new timber guiderail</td>
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<td></td>
<td>• Install tie-back system</td>
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<td></td>
<td>• Install new catch basin</td>
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<td></td>
<td></td>
<td></td>
<td>• Remove and replace existing retaining wall and gravel</td>
<td></td>
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<tr>
<td>20</td>
<td>11 Montauk Highway</td>
<td>Wetlands</td>
<td>• Work initially proposed at this location will not be pursued to avoid impacting wetlands</td>
<td>Wetlands</td>
</tr>
<tr>
<td>21</td>
<td>End Morris Street (East Side)</td>
<td>2.66 feet / wood / Serious</td>
<td>• Remove and replace existing wood bulkhead with new 55-linear-foot vinyl 4.9 foot bulkhead in same location</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
</tr>
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<td></td>
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<td></td>
<td>• Remove and replace existing asphalt pavement</td>
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<td>• Remove existing drainage pipe and install new pipe</td>
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<td>• Remove existing guard rail and install new timber guiderail</td>
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<td>• Install tie-back system</td>
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<td>• Remove existing drainage structure and install new catch basin</td>
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<td></td>
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<td></td>
<td>• Remove and re-set existing wood planter</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Bayside Canal</td>
<td>2.66 feet / timber / Critical</td>
<td>• Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
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<td></td>
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<td></td>
<td>• Remove existing drainage pipe and install new pipe</td>
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<td>• Install tie-back system</td>
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<td>• Install new catch basin</td>
<td></td>
</tr>
</tbody>
</table>
An applicant, seeking a permit, license, waiver, certification or similar type of approval from a federal agency which is subject to the New York State Coastal Management Program (CMP), shall complete this assessment form for any proposed activity that will occur within and/or directly affect the State's Coastal Area. This form is intended to assist an applicant in certifying that the proposed activity is consistent with New York State's CMP as required by U.S. Department of Commerce regulations (15 CFR 930.57). It should be completed at the time when the federal application is prepared. The Department of State will use the completed form and accompanying information in its review of the applicant's certification of consistency.

A. **APPLICANT** (please print)

1. Name: New York State Governor's Office of Storm Recovery (GOSR)
2. Address: 99 Washington Avenue Suite 1224, Albany, NY 12260
3. Telephone: Area Code ( ) 518-473-0015

B. **PROPOSED ACTIVITY:**

1. Brief description of activity:

   Repair/reconstruction of 2,000 linear feet of public bulkheads (22 individual project locations) adjacent to South Oyster Bay, Narraskatuck Creek, Amityville Creek, and Woods Creek.

2. Purpose of activity:

   The proposed construction of the necessary bulkhead improvements would serve to minimize future damage from flooding and erosion.

3. Location of activity:

<table>
<thead>
<tr>
<th>Suffolk County</th>
<th>Village of Amityville</th>
<th>Various</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>City, Town, or Village</td>
<td>Street or Site Description</td>
</tr>
</tbody>
</table>

4. Type of federal permit/license required: **HUD Funding, USACE CWA Section 404**

5. Federal application number, if known: **N/A**

6. If a state permit/license was issued or is required for the proposed activity, identify the state agency and provide the application or permit number, if known:

   NYSDEC Tidal Wetlands permits, Excavation and Fill in Navigable Waters permits, and a Water Quality Certification.
C. COASTAL ASSESSMENT Check either "YES" or "NO" for each of these questions. The numbers following each question refer to the policies described in the CMP document (see footnote on page 2) which may be affected by the proposed activity.

1. Will the proposed activity result in any of the following: YES/NO
   a. Large physical change to a site within the coastal area which will require the preparation of an environmental impact statement?  (11, 22, 25, 32, 37, 38, 41, 43) ✔
   b. Physical alteration of more than two acres of land along the shoreline, land under water or coastal waters?  (2, 11, 12, 20, 28, 35, 44) ✔
   c. Revitalization/redevelopment of a deteriorated or underutilized waterfront site?  (1) ✔
   d. Reduction of existing or potential public access to or along coastal waters?  (19, 20) ✔
   e. Adverse effect upon the commercial or recreational use of coastal fish resources?  (9,10) ✔
   f. Siting of a facility essential to the exploration, development and production of energy resources in coastal waters or on the Outer Continental Shelf?  (29) ✔
   g. Siting of a facility essential to the generation or transmission of energy?  (27) ✔
   h. Mining, excavation, or dredging activities, or the placement of dredged or fill material in coastal waters?  (15, 35) ✔
   i. Discharge of toxics, hazardous substances or other pollutants into coastal waters?  (8, 15, 35) ✔
   j. Draining of stormwater runoff or sewer overflows into coastal waters?  (33) ✔
   k. Transport, storage, treatment, or disposal of solid wastes or hazardous materials?  (36, 39) ✔
   l. Adverse effect upon land or water uses within the State's small harbors?  (4) ✔

2. Will the proposed activity affect or be located in, on, or adjacent to any of the following: YES/NO
   a. State designated freshwater or tidal wetland?  (44) ✔
   b. Federally designated flood and/or state designated erosion hazard area?  (11, 12, 17) ✔
   c. State designated significant fish and/or wildlife habitat?  (7) ✔
   d. State designated significant scenic resource or area?  (24) ✔
   e. State designated important agricultural lands?  (26) ✔
   f. Beach, dune or Barrier Island?  (12) ✔
   g. Major ports of Albany, Buffalo, Ogdensburg, Oswego or New York?  (3) ✔
   h. State, county, or local park?  (19, 20) ✔
   i. Historic resource listed on the National or State Register of Historic Places?  (23) ✔

3. Will the proposed activity require any of the following: YES/NO
   a. Waterfront site?  (2, 21, 22) ✔
   b. Provision of new public services or infrastructure in undeveloped or sparsely populated sections of the coastal area?  (5) ✔
   c. Construction or reconstruction of a flood or erosion control structure?  (13, 14, 16) ✔
   d. State water quality permit or certification?  (30, 38, 40) ✔
   e. State air quality permit or certification?  (41, 43) ✔

4. Will the proposed activity occur within and/or affect an area covered by a State-approved local waterfront revitalization program, or State-approved regional coastal management program? (see policies in program document*) ✔
D. **ADDITIONAL STEPS**

1. If all of the questions in Section C are answered "NO", then the applicant or agency shall complete Section E and submit the documentation required by Section F.

2. If any of the questions in Section C are answered "YES", then the applicant or agent is advised to consult the CMP, or where appropriate, the local waterfront revitalization program document*. The proposed activity must be analyzed in more detail with respect to the applicable state or local coastal policies. On a separate page(s), the applicant or agent shall: (a) identify, by their policy numbers, which coastal policies are affected by the activity, (b) briefly assess the effects of the activity upon the policy; and, (c) state how the activity is consistent with each policy. Following the completion of this written assessment, the applicant or agency shall complete Section E and submit the documentation required by Section F.

E. **CERTIFICATION**

The applicant or agent must certify that the proposed activity is consistent with the State's CMP or the approved local waterfront revitalization program, as appropriate. If this certification cannot be made, the proposed activity shall not be undertaken. If this certification can be made, complete this Section.

"The proposed activity complies with New York State's approved Coastal Management Program, or with the applicable approved local waterfront revitalization program, and will be conducted in a manner consistent with such program."

Applicant/Agent's Name: _____________________________________________________________________
Address: __________________________________________________________________________________
Telephone: Area Code (_________ ) ____________________________________________________________
Applicant/Agent's Signature: ___________________ ___________ Date: ___July 12, 2016____

F. **SUBMISSION REQUIREMENTS**

1. The applicant or agent shall submit the following documents to the New York State Department of State, Office of Planning and Development, Attn: Consistency Review Unit, One Commerce Plaza-Suite 1010, 99 Washington Avenue, Albany, New York 12231.
   
   a. Copy of original signed form.
   
   b. Copy of the completed federal agency application.
   
   c. Other available information which would support the certification of consistency.

2. The applicant or agent shall also submit a copy of this completed form along with his/her application to the federal agency.

3. If there are any questions regarding the submission of this form, contact the Department of State at (518) 474-6000.

*These state and local documents are available for inspection at the offices of many federal agencies, Department of environmental Conservation and Department of State regional offices, and the appropriate regional and county planning agencies. Local program documents are also available for inspection at the offices of the appropriate local government.
Federal Consistency Assessment Form: Assessment of Applicable Policies

Re: Reconstruction/Restoration of Amityville Bulkheads – Village of Amityville (Suffolk County, New York)

2.a. State designated freshwater or tidal wetland? (44)

Policy 44 Applies - *Preserve and protect tidal and freshwater wetlands and preserve the benefits derived from these areas.*

Consistent with this policy, the project activities would not significantly affect undisturbed tidal wetlands. Instead, the proposed project would preserve the benefits derived at the proposed locations and prevent erosion of previously developed waterfront sites. In accordance with this policy, Location 20, at 11 Montauk Highway, was dropped from consideration.

2.b. Federally designated flood and/or state designated erosion hazard area? (11, 12, 17)

Policy 11 Applies – *Buildings and other structures will be sited in the coastal area so as to minimize damage to property and the endangering of human lives caused by flooding and erosion.*

Policy 12 Applies – *Activities or development in the coastal areas will be undertaken so as to minimize damage to natural resources and property from flooding and erosion by protecting natural protective features including beaches, dunes, barrier islands and bluffs.*

Policy 17 Applies – *Non-structural measures to minimize damage to natural resources and property from flooding and erosion shall be used wherever possible.*

The proposed project site locations are located within a FEMA designated 100-year floodplain (SFHA Zone AE). The propose project is not located in a Coastal Erosion Hazard Area. The proposed project would increase the resiliency of the selected locations by raising the heights of existing bulkheads to protect against flooding caused by storm surge and sea-level rise. The existing bulkheads at the proposed locations are deteriorated and expose the existing infrastructure to the risk of erosion. The proposed project would also protect previously developed areas and existing structures from the risk of erosion.

The proposed protect consists of replacement of 19 pre-existing, compromised bulkheads and construction of three new bulkheads between the low and high water lines. Consist with the pending Community Risk and Resiliency Act; all bulkheads will be installed to a height of two and one-half feet above the localized based flood elevation. Non-structural measures were considered in place of the proposed bulkhead replacements and construction, but these measures
would require a more invasive intrusion into the waters and tidal wetlands than the chosen alternative to replace the existing bulkheads. In addition, impervious surfaces at the Richmond Ave location are being removed to create pervious open space.

As such, the proposed project is consistent with the above policies.

2.c. State designated significant fish and/or wildlife habitat? (7)

Policy 7 Applies – *Significant coastal fish and wildlife habitats will be protected, preserved, and where practical, restored so as to maintain their viability as habitats.*

The project area is bordered on the south by South Oyster Bay, a state-designated Significant Coastal Fish and Wildlife Habitat (SCFWH). The fish and wildlife habitat is the entire bay and includes extensive areas of undeveloped salt marsh, tidal flats, dredged material islands, and open water. South Oyster Bay comprises one of the largest, undeveloped, coastal wetland ecosystems in New York. This highly diverse area is important to fish and wildlife throughout the year and provides seasonal nesting and feeding grounds for a variety of state-classified threatened and vulnerable species of shorebirds. In addition to having significant bird concentrations, South Oyster Bay is a productive area for marine finfish, shellfish, and other wildlife. The bay serves as critical pre-migratory habitat for yearling striped bass and bluefish. It is also an important spawning ground for winter flounder and Atlantic menhaden, as well as forage fish species including Atlantic silverside, bay anchovy, and killifish. South Oyster Bay consists of over 2,544 acres of submerged rooted aquatic vegetation beds, accounting for approximately 33% of the entire habitat area; the vegetation beds include many species of rare and endangered plants.

The NYSDEC Environmental Resource Mapper indicates that there are several species of state-classified rare, threatened and endangered plant species within the project area, located adjacent to Stuart Avenue, Lebrun Avenue, Norman Avenue, South Bay Avenue, and Unqua place.

Proposed project activities would include the repair, replacement or construction of new bulkheads. Precautions would be taken to prevent sedimentation of the waterway and any impacts to significant coastal fish and wildlife habitats. Prior to construction, a turbidity curtain would be placed on the seaward side of the proposed bulkhead to capture any floating sediments from entering the waterway and allowing them to settle to the bottom of the waterway, potentially impacting important vegetation and habitats. The sediment curtain would remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting where practicable, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column and impacts to sensitive coastal habitats. To prevent loose materials and/or leaking equipment from
contaminating the waterway, no storage of equipment or materials would occur near the water’s edge. Therefore, it is anticipated that the proposed project is consistent with this policy.

2.h. State, county, or local park? (19, 20)

Policy 19 Applies – Protect, maintain, and increase the level and types of access to public water related recreation resources and facilities.

Policy 20 Applies – Access to the publicly-owned foreshore and to lands immediately adjacent to the foreshore or the water’s edge that are publicly-owned shall be provided and it shall be provided in a manner compatible with adjoining uses.

The purpose of the proposed project is to improve and restore public lands, including Location 12 at the Richmond Avenue Park, which is in disrepair as a result of Hurricane Sandy. Location 12 offers waterfront recreation opportunities including picnicking, fishing, and access to view the Great Shore Bay. The existing bulkhead is compromised, and the park itself consists of an empty lot previously paved with asphalt, which is deteriorating. Rainfall accumulates on the asphalt surface of the park as the existing storm water drainage system, which was intended to support both the park and the end of Richmond Avenue to the northwest, is failing. In addition to the proposed bulkhead replacement, this site will be improved through the following interventions: removal of the existing asphalt surface; installation of a new catch with a check valve to surface runoff from Richmond Avenue; resurfacing of the park with sod intended to contain storm water within the park; construction of a new, ADA accessible boardwalk will be installed along the inside perimeter of the park; and installation of a removable gate and permeable pavers to provide access for maintenance and emergency service vehicles. The proposed project will restore the area within the Richmond Avenue Public Dock property to enhance waterfront recreational opportunity and increase the ability of the community to use this property. Therefore, the proposed project would be consistent with the above policies.

3.a. Waterfront Site? (2, 21, 22)

Policy 2 Applies – Facilitate the siting of water dependent uses and facilities on or adjacent to coastal waters.

Policy 21 Applies – Water Dependent and water enhanced recreation will be encouraged and facilitated, and will be given priority over non-water related uses along the coast.

Policy 22 Applies – Development when located adjacent to the shore will provide for water related recreation whenever such use is compatible with reasonably anticipated demand for such activities, and is compatible with the primary purpose of the development.

The proposed project would include the repair and/or reconstruction of 2,000 linear feet of public bulkheads for the purposes of flood control. Bulkheads, when constructed for the purposes of flood and erosion control, are considered water-dependent uses and require direct access to
coastal waters. As explained above, the bulkhead at proposed Location 12 provides recreational waterfront access to the public, and the proposed project would enhance water related recreational opportunities at this public park. Therefore, the proposed project is consistent with the above policies.

3.c. Construction or reconstruction of a flood or erosion control structure? (13, 14, 16)

Policy 13 Applies – The construction or reconstruction of erosion protection structures shall be undertaken only if they have reasonable probability of controlling erosion for at least thirty years as demonstrated in design and construction standards and/or assured maintenance or replacement programs.

Policy 14 Applies – Activities and development, including the construction or reconstruction of erosion protection structures, shall be undertaken so that there will be no measurable increase in erosion or flooding at the site of such activities or development, or at other locations.

Policy 16 Applies - Public funds shall only be used for erosion protective structures where necessary to protect human life, and new development which requires a location within or adjacent to an erosion hazard area to be able to function, or existing development; and only where the public benefits outweigh the long term monetary and other costs including the potential for increasing erosion and adverse effects on natural protective features.

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the system, causing severe erosion of the shoreline. The proposed project would include the repair and/or reconstruction of 2,000 linear feet of public bulkheads for the purposes of flood control. The existing, compromised bulkheads are of wood construction, and the proposed project would install vinyl sheet bulkheads, which have a life expectancy of at least 30 years. The proposed construction of the necessary bulkhead improvements would serve to protect human life; minimize damage to existing homes, businesses, and public facilities in the area; as well as minimize flooding from wave overtopping from future storms.

Prior to construction, a turbidity curtain would be placed on the seaward side of the proposed bulkhead to capture any floating sediments from entering the waterway and allowing them to settle to the bottom of the waterway, potentially impacting important vegetation and habitats. The sediment curtain would remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column and impacts to sensitive coastal habitats. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water’s edge.

Therefore, the proposed project is consistent with the above policies.
3.d. Water quality permit or certification? (30, 38)

Policy 30 Applies – *Municipal, industrial, and commercial discharge of pollutants, including but not limited to, toxic and hazardous substances, into coastal waters will conform to state and national water quality standards.*

Policy 38 Applies – *The quality and quantity of surface water and groundwater supplies will be conserved and protected, particularly where such waters constitute the primary or sole source of water supply.*

The proposed project will be implemented in accordance with all NYSDEC specifications and permits conditions. The proposed project would not increase the quantity or negatively impact the quality of the effluent discharged to receiving waterbodies. In locations where the proposed project impacts local municipal stormwater systems, the associated catch basins and piping will be cleaned, repaired as necessary, and fitted with a check valve device. Further, in several locations where the bulkhead replacement will require removal of existing paved surfaces, permeable surfaces will be installed to restore the aesthetics of such sites as well as promote infiltration of stormwater runoff.

The proposed project is located within the Nassau-Suffolk Sole Source Aquifer. Consultations with the USEPA regarding the proposed project and its location within a sole source aquifer have been initiated. Given the scope, proposed methods of implementation and site locations, the proposed project would have no impact of drinking water supplies.

Therefore, the proposed project is consistent with the above policies.
Figure 1
Coastal Boundary

Amityville Waterfront
Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
TOWN OF BABYLON

AMITYVILLE WATERFRONT
RESILIENCY IMPROVEMENTS

VARIOUS LOCATIONS, VILLAGE OF AMITYVILLE, NEW YORK

SUPERVISOR
RICHARD SCHAFFER

TOWN COUNCIL
ANTONIO A. MARTINEZ, DEPUTY SUPERVISOR
THOMAS DONNELLY
JACQUELINE A. GORDON
LINDSAY P. HENRY

COMMISSIONER, GENERAL SERVICES
THERESA SABATINO

SEPTEMBER 2016

Bid Grouping and Award Information

The intent of the contract bid breakdown is to cluster multiple project locations into groups. This will simplify the bidding process and reduce complexity. The contractor(s) are responsible for completing all locations within the allowable time period as indicated in the Contract Documents.

The Town reserves the right to award multiple groups to either one contractor or multiple contractors based on what represents the best value for the Town.

Should the Town award more than one group to the same contractor, there will be no additional time allotted and all groups awarded are to be completed concurrently within the contract period.

The bid will include detailed values for each location and possible alternative bid options. The bid documents are available for review. Bids will be analyzed by the Engineer and recommendations made to the Town Council for award.

GROUP A
Location 1: Location 1
Location 2: Location 2
Location 3: Location 3
Location 4: Location 4
Location 5: Location 5

GROUP B
Location 6: Location 6
Location 7: Location 7
Location 8: Location 8
Location 9: Location 9
Location 10: Location 10

GROUP C
Location 11: Location 11
Location 12: Location 12
Location 13: Location 13
Location 14: Location 14
Location 15: Location 15

GROUP D
Location 16: Location 16
Location 17: Location 17
Location 18: Location 18
Location 19: Location 19
Location 20: Location 20

GROUP E
Location 21: Location 21
Location 22: Location 22
Amityville Waterfront Resiliency Improvements

Project Address:
Town of Babylon
Village of Amityville, New York

Consultants:

REVISIONS

DETAILS

LANDSCAPE PLANTING CHART

<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Common Name</th>
<th>Size</th>
<th>Qty</th>
<th>Planting Date</th>
<th>Planting Method</th>
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11
August 16, 2016

Mr. Steve Papa  
U.S. Fish and Wildlife Service  
Long Island Field Office  
340 Smith Rd  
Shirley, NY 11967  

Re: Village of Amityville/Copiague - Waterfront Resiliency Improvement  
Suffolk County, New York

Dear Steve Papa:

The Governor’s Office of Storm Recovery (GOSR), an office of the New York State Homes and Community Renewal’s (NYSHCR) Housing Trust Fund Corporation, was established to aid the statewide recovery of disaster-affected communities in New York State. GOSR is administering a U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant for Disaster Recovery (CDBG-DR), including the New York Rising Community Reconstruction (NYRCR) Program. The environmental review for projects funded under the NYRCR Program are processed on a case-by-case basis pursuant to Section 7 of the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

The purpose of this letter is to provide the U.S. Fish and Wildlife Service – New York Field Office (USFWS) notice of the proposed project and to document compliance with Section 7 of the Endangered Species Act (ESA), as well as the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA). As discussed below, we have reviewed the project and found that the proposed project does not jeopardize the continued existence of ESA species or destroy or adversely modify their critical habitat. This letter requests acknowledgement from the USFWS that they have received our “No Effect” determination regarding the subject project provided in this letter, and that USFWS has no objections to the “No Effect” determination.

PROJECT DESCRIPTION

As depicted in Figure 1 of Attachment 1, the project area is located in the Village of Amityville and is bordered by Massapequa in Nassau County to the west, the Great South Bay to the south, the Hamlet of Copiague to the east, and North Amityville to the north. During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. Homes, businesses, public facilities, and roads south of Montauk Highway (Merrick Road) experienced flooding, downed trees, and power and communications failures. The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The bulkhead improvements would serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms.

The proposed project would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the village. A total of twenty-three (23) bulkhead locations (individual project sites) were identified for repairs, replacement, or new construction. Locations were selected based on an assessment of the bulkheads most in need of improvement, engineering feasibility, and a determination of which projects would most increase resiliency.
Figure 2 of Attachment 1 depicts the selected locations for bulkhead improvements within the project area. Construction would involve removal of the existing damaged wooden bulkheads and the replacement with new vinyl bulkheads in same location. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column.

**ESA AND MIGRATORY BIRD TREATY ACT AND THE BALD AND GOLDEN EAGLE PROTECTION ACT SPECIES**

The USFWS, New York Ecological Services Field Office, was contacted through the Information, Planning, and Conservation System (IPaC) regarding the potential presence of species under the jurisdiction of the USFWS within the project area. The IPaC Trust Resources Report is included as Attachment 2, and the USFWS Official Species List is included as Attachment 3. USFWS indicates that six threatened and endangered species may occur within the project area: Charadrius melodus (piping plover – threatened); Calidris canutus rufa (red knot - threatened); Sterna dougallii dougallii (roseate tern – endangered); Agalinis acuta (sandplain gerardia – endangered); Amaranthus pumilus (seabeach amaranth – threatened); and Myotis septentrionalis (northern long-eared bat — threatened). There are no critical habitats for these or any other species within the project area.

The shoreline within the project area is bulkheaded and highly developed and does not provide suitable habitat for any listed species. Piping plover, red knot, and roseate tern are not expected to occur in the vicinity of the project area except as occasional transients. They may forage in beaches and/or marshes nearby the project area, but foraging habitat is not present within the immediate vicinity of the individual project sites. Breeding habitat for red knot is not present within the project area as this species breeds in the Canadian arctic region. Piping plover and roseate tern nest on sandy beaches and marsh islands, habitats which are not present within the project area. Sandplain gerardia occurs only in remnant grasslands on Long Island; this species does not occur within the project area. Seabeach amaranth grows in the upper beach zone above the high tide line, habitat which is not present within the project area. The project area does not provide suitable habitat for northern long-eared bat due to the developed nature of the property and the surrounding land use. This bat prefers habitat with abundant stands of trees with sufficient bark crevices and snags for roosting.

Birds are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The IPaC Trust Resources Report (Attachment 2) indicates that there are twenty-eight species of migratory birds, including Haliaeetus leucocephalus (bald eagle). The NYSDEC Conservation Plan for Bald Eagles in New York State provides a map of bald eagle breeding territories in New York. Additionally, correspondence with USFWS and NYSDEC indicates that there are five known bald eagle nest sites on Long Island: (1) within the Wertheim National Wildlife Refuge; (2) within the National Park Service’s William Floyd Estate; (3) within the Bayard Cutting Arboretum; (4) within the Bostwick Forest on Gardiner’s Island; and (5) within The Nature Conservancy’s Mashomack Preserve on Shelter Island. There are no known bald eagle nests within the vicinity of the project area, therefore the proposed project activities should have no effect on breeding bald eagle.

**CONCLUSION**

According to the USFWS IPaC Trust Resource Report and list of threatened and endangered species, there are six listed species that may potentially occur with the project area – piping plover, red knot, roseate tern, sandplain gerardia, seabeach amaranth, and northern long eared bat. In addition, there are several migratory birds of concern that could potentially be affected by the proposed project. There is no critical habitat designated within the project area. The shoreline within the project area is bulkheaded and highly developed and does not provide suitable habitat for any listed species. In addition, the immediate vicinity of the project area is subject to frequent human activity that is not conducive to use by protected species. The proposed project does not include tree removal and would not affect migratory birds or listed bat species.
Project implementation is conditioned upon issuance of applicable federal and state permits and would be constructed in accordance with federal and state permit conditions. Best Management Practices (BMPs) would be employed to minimize sediment disturbance and reduce potential impacts to the due to turbidity.

We are submitting the above information so that the USFWS can acknowledge the determination made by GOSR that the proposed project will have “No Effect” on endangered/threatened species or critical habitat for species under USFWS jurisdiction. If the USFWS does not respond within 30 days from submittal of this form, then GOSR may presume that its determination for each project is informed by the best available information and its project responsibilities under Section 7 of the ESA have been fulfilled. If you have questions or require additional information regarding this request, please contact me at (518) 474-0647 or Alicia.Shultz@nyshcr.org. Thank you for your time and consideration.

Sincerely,

Alicia Shultz
Community Developer – Environmental Services
New York State Homes and Community Renewal
38-40 State Street, Hampton Plaza
Albany NY 12207

Attachments:

1) Project Maps (Project Area Location and Detailed Locations of Proposed Bulkhead Construction)
2) USFWS IPaC Trust Resources Report
3) USFWS Official Species List

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\(^1\) NYSDEC Conservation Plan for Bald Eagles in New York State. January 2015.
\(^2\) Email correspondence between Thomas King (GOSR) and Patricia Cole (USFWS), October 30, 2015
\(^3\) Email correspondence between Thomas King (GOSR) and Kevin Jennings (NYSDEC), November 20, 2015
Attachment 1
Figure 1 – Project Area Location
Figure 2 – Detailed Locations of Proposed Bulkhead Construction
Attachment 2
This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.
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NAME
   Village of Amityville Public Bulkhead Replacement

LOCATION
   Nassau and Suffolk counties, New York

DESCRIPTION
   The Village of Babylon is proposing a Superstorm Sandy–related restoration project within the Village of Amityville that would involve construction of approximately 2,000 linear feet of public bulkhead in the severely damaged areas of the village. The proposed project would repair damaged public infrastructure and the bulkhead improvements would serve to minimize damage and wave overtopping from future storms.

IPAC LINK
   https://ecos.fws.gov/ipac/project/3REYM-6J2GV-FJRHD-I2CVB-ZECAGE

U.S. Fish & Wildlife Service Contact Information
Trust resources in this location are managed by:

Long Island Ecological Services Field Office
340 Smith Road
Shirley, NY 11967
(631) 286-0485
Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the Endangered Species Program of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

Section 7 of the Endangered Species Act requires Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

**Piping Plover**  *Charadrius melodus*  
**CRITICAL HABITAT**  
There is final critical habitat designated for this species.  

**Red Knot**  *Calidris canutus rufa*  
**CRITICAL HABITAT**  
No critical habitat has been designated for this species.  
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0D

**Roseate Tern**  *Sterna dougallii dougallii*  
**CRITICAL HABITAT**  
No critical habitat has been designated for this species.  
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B07Q
Flowering Plants

**Sandplain Gerardia**  *Agalinis acuta*  
**CRITICAL HABITAT**  
No critical habitat has been designated for this species.  

**Seabeach Amaranth**  *Amaranthus pumilus*  
**CRITICAL HABITAT**  
No critical habitat has been designated for this species.  

Mammals

**Northern Long-eared Bat**  *Myotis septentrionalis*  
**CRITICAL HABITAT**  
No critical habitat has been designated for this species.  

Critical Habitats

There are no critical habitats in this location
Migratory Birds

Birds are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern
- Conservation measures for birds
- Year-round bird occurrence data
  http://www.birdscanada.org/birdmon/default/datasummaries.jsp

The following species of migratory birds could potentially be affected by activities in this location:

**American Oystercatcher** *Haematopus palliatus*  
Year-round  
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G8

**American Bittern** *Botaurus lentiginosus*  
Season: Breeding  
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

**Bald Eagle** *Haliaeetus leucocephalus*  
Year-round  
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

**Black Skimmer** *Rynchops niger*  
Season: Breeding  
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0E0
<table>
<thead>
<tr>
<th>Bird Name</th>
<th>Scientific Name</th>
<th>Season</th>
<th>Conservation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Black-billed Cuckoo</strong></td>
<td>Coccyzus erythropthalmus</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Blue-winged Warbler</strong></td>
<td>Vermivora pinus</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Canada Warbler</strong></td>
<td>Wilsonia canadensis</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Fox Sparrow</strong></td>
<td>Passerella iliaca</td>
<td>Wintering</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Great Shearwater</strong></td>
<td>Puffinus gravis</td>
<td>Migrating</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Gull-billed Tern</strong></td>
<td>Gelochelidon nilotica</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Hudsonian Godwit</strong></td>
<td>Limosa haemastica</td>
<td>Migrating</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Least Bittern</strong></td>
<td>Ixobrychus exilis</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Least Tern</strong></td>
<td>Sterna antillarum</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Marbled Godwit</strong></td>
<td>Limosa fedoa</td>
<td>Wintering</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Peregrine Falcon</strong></td>
<td>Falco peregrinus</td>
<td>Wintering</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Pied-billed Grebe</strong></td>
<td>Podilymbus podiceps</td>
<td>Year-round</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Prairie Warbler</strong></td>
<td>Dendroica discolor</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Purple Sandpiper</strong></td>
<td>Calidris maritima</td>
<td>Wintering</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Red Knot</strong></td>
<td>Calidris canutus rufa</td>
<td>Wintering</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Rusty Blackbird</strong></td>
<td>Euphagus carolinus</td>
<td>Wintering</td>
<td>Bird of conservation concern</td>
</tr>
<tr>
<td><strong>Saltmarsh Sparrow</strong></td>
<td>Ammodramus caudacutus</td>
<td>Breeding</td>
<td>Bird of conservation concern</td>
</tr>
</tbody>
</table>
Seaside Sparrow  Ammodramus maritimus  
Year-round

Short-eared Owl  Asio flammeus  
Season: Wintering
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0H

Snowy Egret  Egretta thula  
Season: Breeding

Upland Sandpiper  Bartramia longicauda  
Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0H

Willow Flycatcher  Empidonax traillii  
Season: Breeding
http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush  Hylocichla mustelina  
Season: Breeding

Worm Eating Warbler  Helmitheros vermivorum  
Season: Breeding
Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location
Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

DATA LIMITATIONS
The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS
Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficial worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS
Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Wetland data is unavailable at this time.
Attachment 3
Consultation Code: 05E1LI00-2016-SLI-0254
Event Code: 05E1LI00-2016-E-00245
Project Name: Village of Amityville Public Bulkhead Replacement

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having
similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment
Official Species List

Provided by:
Long Island Ecological Services Field Office
340 SMITH ROAD
SHIRLEY, NY 11967
(631) 286-0485

Consultation Code: 05E1LI00-2016-SLI-0254
Event Code: 05E1LI00-2016-E-00245

Project Type: LAND - FLOODING

Project Name: Village of Amityville Public Bulkhead Replacement
Project Description: The Village of Babylon is proposing a Superstorm Sandy–related restoration project within the Village of Amityville that would involve construction of approximately 2,000 linear feet of public bulkhead in the severely damaged areas of the village. The proposed project would repair damaged public infrastructure and the bulkhead improvements would serve to minimize damage and wave overtopping from future storms.

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.
Project Location Map:

Project Coordinates: MULTIPOLYGON (((-73.42317581176758 40.669571789415016, -73.42369079589844 40.66826975856376, -73.42459201812743 40.66442861943862, -73.42442035675049 40.66241030513908, -73.42381954193115 40.653880625198795, -73.40489387512207 40.653685276243216, -73.40502262115479 40.65921994184415, -73.40420722961424 40.66052214937429, -73.405934677124 40.66560051584352, -73.40433597564697 40.667683836386765, -73.41369152069092 40.67009259463732, -73.41566562652588 40.6707435954452, -73.4178113937378 40.67126439151552, -73.42124462127686 40.67155733751758, -73.42339038848877 40.67139458989753, -73.42334747314453 40.669571789415016)))

Project Counties: Nassau, NY | Suffolk, NY
Endangered Species Act Species List

There are a total of 6 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the Has Critical Habitat column may or may not lie within your project area. See the Critical habitats within your project area section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

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<thead>
<tr>
<th>Birds</th>
<th>Status</th>
<th>Has Critical Habitat</th>
<th>Condition(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piping Plover (<em>Charadrius melodus</em>)</td>
<td>Threatened</td>
<td>Final designated</td>
<td></td>
</tr>
<tr>
<td>Population: except Great Lakes watershed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Knot (<em>Calidris canutus rufa</em>)</td>
<td>Threatened</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roseate tern (<em>Sterna dougallii dougallii</em>)</td>
<td>Endangered</td>
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<td></td>
</tr>
</tbody>
</table>

Flowering Plants

<table>
<thead>
<tr>
<th>Plants</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandplain gerardia (<em>Agalinis acuta</em>)</td>
<td>Endangered</td>
</tr>
<tr>
<td>Seabeach amaranth (<em>Amaranthus pumilus</em>)</td>
<td>Threatened</td>
</tr>
</tbody>
</table>

Mammals

<table>
<thead>
<tr>
<th>Mammals</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern long-eared Bat (<em>Myotis septentrionalis</em>)</td>
<td>Threatened</td>
</tr>
</tbody>
</table>
Critical habitats that lie within your project area

There are no critical habitats within your project area.
Re: GOSR: Village of Amityville/Copiague - Waterfront Resiliency Improvement

Papa, Steve <steve_papa@fws.gov>

Tue 08/16/2016 9:56 AM

Inbox

To: Shultz, Alicia (NYSHCR) <Alicia.Shultz@nyshcr.org>
Cc: Accardi, Matt (STORMRECOVERY) <Matt.Accardi@stormrecovery.ny.gov>; jschnabel@louisberger.com <jschnabel@louisberger.com>; Laurie Boullianne <laurie_boullianne@fws.gov>

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi All,

Please include Laurie Boullianne (copied on this email) in the address line when sending so she can log these requests into our tracking system. Thanks

Steven T. Papa
U.S. Fish and Wildlife Service
Long Island Field office
340 Smith Rd
Shirley, NY 11967
(631) 286-0485 (tel)
631) 286-4003 (fax)
Steve_Papa@fws.gov

“I only wish that besides protecting the songsters...we also protect the birds of the seashore...”
- T. Roosevelt

On Tue, Aug 16, 2016 at 9:48 AM, Shultz, Alicia (NYSHCR) <Alicia.Shultz@nyshcr.org> wrote:

Dear Steve Papa:

The Governor's Office of Storm Recovery (GOSR), an office of the New York State Homes and Community Renewal's (NYSHCR) Housing Trust Fund Corporation, was established to aid the statewide recovery of disaster affected communities in New York State. GOSR is administering a U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant for Disaster Recovery (CDBG-DR), including the New York Rising Community Reconstruction (NYRCR) Program. The environmental review for projects funded under the NYRCR Program are processed on a case-by-case basis pursuant to Section 7 of the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

The purpose of the attached letter is to provide the U.S. Fish and Wildlife Service – New York Field Office (USFWS) notice of the proposed project and to document compliance with Section 7 of the Endangered Species Act (ESA), as well as the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA). As discussed in the attached letter, we have reviewed the project and found that the proposed project does not jeopardize the continued existence of ESA species or destroy or adversely modify their critical habitat. The attached letter requests acknowledgement from the USFWS that they have received our “No Effect” determination regarding the subject project provided in the attached letter, and that USFWS has no objections to the “No Effect” determination.
Please contact me if you have any questions or concerns. Thanks for your assistance.

Alicia Shultz
Community Developer - Environmental Services

New York State Homes & Community Renewal
38-40 State St., 408N, Hampton Plaza, Albany, NY 12207
(518) 474-0647 | cell (917) 376-9003 Alicia.Shultz@nyshcr.org |
Memorandum

DATE: October 21, 2016
TO: Thomas King, Director - Bureau of Environmental Review and Assessment
   NY Governor's Office of Storm Recovery
FROM: Tara Stewart, Biologist
       Louis Berger
SUBJECT: No Effect Determination - NOAA NMFS Section 7 Project Review

Village of Amityville/ Copiague - Waterfront Resiliency Improvement,
Suffolk County, New York

The Governor's Office of Storm Recovery (GOSR), an office of the New York State Homes and Community Renewal's (NYSHCR) Housing Trust Fund Corporation, was established to aid the statewide recovery of disaster-affected communities in New York State. GOSR is administering a U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant for Disaster Recovery (CDBG-DR), including the New York Rising Community Reconstruction (NYRCR) Program. The environmental review for projects funded under the NYRCR Program are processed on a case-by-case basis in accordance with the National Oceanic and Atmospheric Administration (NOAA) – National Marine Fisheries Service (NMFS) Greater Atlantic Region Section 7 Program Guidance and pursuant to Section 7 of the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and the Marine Mammal Protection Act (MMPA).

Louis Berger biologists have reviewed the above-referenced project, in accordance with NOAA Section 7 Program Guidance, to determine whether ESA species under NOAA jurisdiction may be present at the project site and/or adversely impacted by proposed project activities. This memorandum provides a summary of listed species that may occur within the vicinity of the project, an assessment of the potential for impacts to such species and/or their habitat, and a determination that the proposed project does not jeopardize the continued existence of ESA species or destroy or adversely modify their critical habitat.

1.0 Project Description

As depicted in Figure 1 of Attachment 1, the project area is located in the Village of Amityville and is bordered by Massapequa in Nassau County to the west, the Great South Bay to the south, the Hamlet of Copiague to the east, and North Amityville to the north.

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. Homes, businesses, public facilities, and roads south of Montauk Highway (Merrick Road) experienced flooding, downed trees, and power and communications failures. The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The bulkhead improvements would
serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms.

The proposed project would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the village. A total of twenty-three (23) bulkhead locations (individual project sites) were identified for repairs, replacement, or new construction. Locations were selected based on an assessment of the bulkheads most in need of improvement, engineering feasibility, and a determination of which projects would most increase resiliency.

Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column.

Figure 2 of Attachment 1 depicts the selected locations for bulkhead improvements within the project area. Construction would involve removal of the existing damaged wooden bulkheads and the replacement with new vinyl bulkheads in same location. Project construction is anticipated to begin in late 2016 or early 2017 and is expected to last eight months.

2.0 Species Protected under the Endangered Species Act

The National Marine Fisheries lists the following ESA species for the Greater Atlantic Region:

**Fish Species:**
- Atlantic salmon (*Salmo salar*)
- Shortnose sturgeon (*Acipenser brevirostrum*)
- Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*)

**Sea Turtles:**
- Green sea turtle (*Chelonia mydas*)
- Hawksbill turtle (*Eretmochelys imbricata*)
- Kemp’s Ridley turtle (*Lepidochelys kempii*)
- Leatherback turtle (*Dermochelys coriacea*)
- Loggerhead turtle (*Caretta caretta*)

**Marine Mammals:**
- Blue whale (*Balaenoptera musculus musculus*)
- Fin whale (*Balaenoptera physalus*)
- Humpback whale (*Megaptera novaeangliae*)
- North Atlantic right whale (*Eubalaena glacialis*)
- Sei whale (*Balaenoptera borealis*)
- Sperm whale (*Physeter macrocephalus*)

NMFS Endangered Species Maps and critical habitat maps for Atlantic salmon and North Atlantic right whale are enclosed in Attachment 1.
3.0 Analysis

The project bulkheads are located along the shoreline of Great South Bay, Narraskatuck Creek, Amityville Creek, and Woods Creek. The shoreline within the project area is entirely bulkheaded and highly developed. The immediate vicinity of the project area is subject to existing water quality impairment and frequent human activity that is not conducive to use by protected species. The project area is located within underwater lands mapped as uncertified for shellfishing due to sanitary conditions.

There is no critical habitat for any ESA species within the project area. The project area is not within the range of Atlantic salmon, shortnose sturgeon, hawksbill turtle, or marine mammals. Therefore, these species are not discussed further in this analysis.

Atlantic sturgeon are found seasonally in the coastal waters of Long Island, but are not likely to be present in the intertidal and shallow water depths within the project area. Occurrence in these shallow waters would be tied to the presence of suitable benthic resources for foraging. However, the project area has minimal submerged aquatic vegetation (SAV) and limited benthic resources. Additionally, because the project area is located in saline, tidally influenced waters, no eggs, larvae or juvenile Atlantic sturgeon would be present. Lastly, the project area does not contain any known overwintering areas; thus, only sub-adult and adult Atlantic sturgeon would be present in the vicinity of the project area from April through November. These seasonal transient sub-adult and adults are highly mobile and could easily avoid the project areas during construction.

The presence of listed sea turtles within the project area is also unlikely. These species may occur in the coastal waters of Long Island; however, their presence in shallow waters adjacent to the shoreline where bulkheads are installed would be rare. Occurrence in these shallow waters would be tied to the presence of suitable foraging habitat. Leatherback sea turtles feed almost exclusively on jellyfish in offshore marine environments, whereas green sea turtles tend to frequent seagrass beds. Loggerhead and Kemp’s ridley sea turtles feed on mollusks and crustaceans. The project area has limited SAV and benthic resources. Therefore, if sea turtles were present within the vicinity of the project, it would be a transient presence with a limited temporal duration. Sea turtles are found in the northeast during the summer and fall months (May-November) with the highest concentrations of turtles occurring from June through October.

Project implementation is conditioned upon issuance of applicable federal and state permits and would be constructed in accordance with federal and state permit conditions. Best Management Practices (BMPs), such as the installation of a turbidity curtain during construction, the use of a clam shell dredge, and jetting techniques would minimize sediment disturbance and reduce potential impacts to the due to turbidity. The project would repair existing public infrastructure and does not involve siting a facility that would generate hazardous waste that could cause pollution to the waterway.

4.0 Conclusion

There is no critical habitat for any ESA species within the project area. The project area is not within the range of Atlantic salmon, shortnose sturgeon, hawksbill turtle, or marine mammals. Atlantic sturgeon and sea turtles are found seasonally in the coastal waters of Long Island; however, they are not likely to be present in the intertidal and shallow water depths within the project area. The project area is subject to existing water quality impairment and frequent human activity that is not conducive to use by protected species. The project area is not within the range of breeding or overwintering habitat for these species. The project area also does not provide suitable foraging habitat for sturgeon or sea turtles. Additionally, Atlantic sturgeon and sea turtles are most likely to occur within the coastal waters of Long Island from May to November, and would not be present during the first several months of the anticipated time frame.
of construction.

The project would remove existing damaged bulkheads and new vinyl bulkheads would be installed in the same location, so there would be no loss of potential habitat for ESA species or their prey. BMPs would be employed during construction, and any noise or sediment disturbance during construction would be negligible relative to existing water quality impairment within the project area and frequent disturbance from storms and boating activity.

Based on this analysis, project activities would not directly or indirectly affect any ESA species under NMFS jurisdiction. The project would not introduce stressors on listed species, such as: sound disturbance; changes in water depth or substrate characteristics; dredging; exposure to pollutants or changes in water quality; changes in the abundance, availability, accessibility or quality of prey; loss of submerged aquatic vegetation (SAV) or shellfish beds; or changes to in-water structures. Pursuant to the NMFS Greater Atlantic Region Endangered Species Act Section 7 Program, a **No Effect Determination** has been made for the proposed project.
Attachment 1
Figure 2 – Detailed Locations of Proposed Bulkhead Construction
Attachment 2
This figure depicts a best estimate of the range of the Gulf of Maine (GOM) Distinct Population Segment (DPS) of Atlantic salmon in waters of the Greater Atlantic Region as guidance for action agencies in consideration of section 7 of the Endangered Species Act.

Please note that the distribution of this species may not be exclusively limited to the areas depicted here.

Waters occupied by salmon may change. This figure is valid through May 2014.
This figure depicts a best estimate of the range of the Gulf of Maine (GOM) Distinct Population Segment (DPS) of Atlantic salmon in waters of the Greater Atlantic Region as guidance for action agencies in consideration of section 7 of the Endangered Species Act.

Please note that the distribution of this species may not be exclusively limited to the areas depicted here.

Waters occupied by salmon may change. This figure is valid through May 2014.
This figure depicts a best estimate of the range of shortnose sturgeon in waters of the Greater Atlantic Region as guidance for action agencies in consideration of section 7 of the Endangered Species Act. Please note that the distribution of shortnose sturgeon may not be exclusively limited to the areas depicted here.

Accessible habitat for shortnose sturgeon is defined as in-water habitat located in marine or estuarine areas below the high tide line, or in riverine areas below the high water line.

### Shortnose Sturgeon Estimated Range

- **Blue** Major Tidal River or Estuary Accessible to Sturgeon
- **Light Blue** Major Tidal River Inaccessible to Sturgeon
- **Red** Dam

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1. Penobscot River
2. Saint George River
3. Medomak River
4. Damariscotta River
5. Sheepscot River
6. Kennebec River
7. Androscoggin River
8. Saco River
9. Piscataqua River
10. Merrimack River
11. Connecticut River
12. Deerfield River
13. Housatonic River (historic)
14. Hudson River
15. New York Harbor
16. Delaware River
17. Delaware Bay
18. Chesapeake and Delaware Canal
19. Susquehanna River
20. Potomac River
21. Chesapeake Bay
This figure depicts a best estimate of the range of Atlantic sturgeon in waters of the Greater Atlantic Region as guidance for action agencies in consideration of section 7 of the Endangered Species Act.

Please note that the distribution of Atlantic sturgeon may not be exclusively limited to the areas depicted here.

The five Atlantic sturgeon DPSs displayed are: Gulf of Maine, New York Bight, Chesapeake Bay, Carolina, and South Atlantic.
This figure depicts a best estimate of the range of Atlantic large whales in waters of the Greater Atlantic Region as guidance for action agencies in consideration of section 7 of the Endangered Species Act. Please note that the distribution of these species may not be exclusively limited to the areas depicted here.

Data sources considered in the development of the Atlantic large whale estimated range include Perrin, et al. (2002); Waring, et al. (2013); and Wynne and Schwartz (1999).

Please note that the distribution of these species may not be exclusively limited to the areas depicted here.
This figure depicts a best estimate of the range of sea turtles in waters of the Greater Atlantic Region as guidance for action agencies in consideration of section 7 of the Endangered Species Act.

Sea turtle species in the NER include loggerhead, Kemp's ridley, leatherback and greens sea turtles. Hawksbill sea turtles are rare in the NER and not included in this figure.

Sea turtles move north into these waters in the spring, arriving in the more southern waters of the mid-Atlantic in mid-April/May and the Gulf of Maine in June. In the fall, this trend is reversed with the most turtles leaving NER waters by the end of November. Outside of these times, sea turtle presence in NER waters is considered unlikely.

Data sources considered in the development of the sea turtle estimated range include sightings and trackline data from OBIS-SEAMAP (2009), stranding and entanglement data, and environmental data (e.g., salinity, temperature).
APPENDIX C – NEW YORK STATE HISTORIC PRESERVATION AND TRIBAL HISTORIC PRESERVATION CORRESPONDENCE
June 23, 2016

Mr. Larry Moss  
Historic Preservation Technical Specialist  
New York State Office of Parks, Recreation and Historic Preservation  
Division of Historic Preservation  
Peebles Island  
P.O. Box 189  
Waterford, New York 12188-0189

Re: Section 106 Compliance for Amityville Waterfront Resiliency Improvements Project

Dear Mr. Moss:

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor’s Office of Storm Recovery (GOSR), an office of New York State Homes and Community Renewal’s Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”), is serving as the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. In accordance with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended (54 U.S.C. §306108), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action.

Request for Comment: Please see the attached historic review of the project by historian Camilla Deiber from Louis Berger. The purpose of this letter is to initiate consultation pursuant to Section 106 of the NHPA per the implementing regulations at 36 Code of Federal Regulations (CFR) Part 800. GOSR respectfully requests your review of the proposed project described herein. If you have any questions or require additional information regarding this request, please feel free to contact me at (646) 417-4660 or via email at Thomas.King@stormrecovery.ny.gov. Thank you for your time and consideration.
Sincerely,

Thomas J. King
Assistant General Counsel and Certifying Officer

Enclosure:
Attachment 1: Historic Review of Project
Attachment 2: Project Location Maps
June 23, 2016

Mr. Larry Moss
New York OPRHP
Peebles Island State Park
P.O. Box 189
Waterford, NY 12188-0189

RE: Project Review for Bulkhead Improvements in the Village of Amityville, Town of Babylon, NY

Mr. Moss,

The New York State Governor’s Office of Storm Recovery is proposing a Hurricane Sandy–related restoration project within the Village of Amityville (in the Town of Babylon, Suffolk County, New York) under the Community Development Block Grant-Disaster Recover (CDBG-DR) program that would involve construction of approximately 2,000 linear feet of public bulkhead in the severely damaged areas of the village of Amityville. A total of twenty-two (22) bulkhead locations (individual project sites) were identified for repairs, replacement or new construction based on an assessment of the locations most in need of improvement, assessment of engineering feasibility, and following a determination of available funding and decision regarding which projects would most improve resiliency for future storms (Figure 1).

Project Description

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the system, causing severe erosion of the shoreline. This project would rehabilitate and raise public bulkheads throughout the targeted community. The proposed construction of the necessary bulkhead improvements would serve to minimize damage and wave overtopping from future storms. The bulkheads are located on public property owned by the Village of Amityville, and no private land acquisition is anticipated for the project. (Table 1).

Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water’s edge.
Table 1. Site Locations, Existing Conditions, and Detailed Description of Proposed Project Activities

<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 1           | End Berger Avenue      | 2.54 feet / timber / Serious                                 | ≠ Remove and replace existing wood bulkhead with new 107-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin                                                                                      | Fill land, sandy             |
| 2           | End S. Ketcham Avenue  | 3.02 feet / timber / Critical                                | ≠ Remove and replace existing wood bulkhead with new 80-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb and gutter  
≠ Remove existing drainage structure and install new catch basin                                                                                      | Fill land, sandy             |
| 3           | South Bayview Avenue   | 2.53 feet / timber / Serious                                 | ≠ Remove and replace existing wood bulkhead with new 115-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb  
≠ Remove and re-set existing post and rope fence                                                                                                     | Fill land, sandy             |
<table>
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<tr>
<th>Site Number</th>
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<th>Existing Conditions</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 4           | End Coles Avenue      | 2.65 feet / timber / Fair | ≠ Remove and replace existing wood bulkhead with new 70-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing sign and bench | Cut and Fill Land, Gently Sloping                  |
| 5           | End Morris Street (West Side) | 2.83 feet / timber / Serious | ≠ Remove and replace existing wood bulkhead with new 45-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Install new catch basin  
≠ Remove and re-set existing picket fence | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 6           | End Purdy Avenue      | 2.82 feet / timber / Serious | ≠ Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing fence, brick paver apron and block curb | Fill land, sandy                                  |
| 7           | End Griffing Avenue   | 3.48 feet / timber / Serious | ≠ Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing wood posts | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
<table>
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<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 8          | North End Fleming Canal | 3.68 feet / timber / Satisfactory                                  | ≠ Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Install check valve  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb | Fill land, sandy |
| 9          | End Bayside Place    | 1.94 feet / timber / Poor                                        | ≠ Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and replace existing slate wall | Fill land, sandy |
| 10         | End New Point Place  | 2.73 feet / timber / Poor                                        | ≠ Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing metal pole | Fill land, sandy |
<table>
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<th>Site Number</th>
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<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
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</table>
| 11          | End South Bay Avenue   | 3.17 feet / wood / Fair                                         | ≠ Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing guard rail and install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb  
≠ Remove existing drainage structure and install new catch basin | Fill land, sandy             |
| 12          | Richmond Avenue, Public Dock | 2.68 feet / vinyl / Poor                                        | ≠ Remove and replace existing wood bulkhead with new 260-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Install removable gate  
≠ Install new catch basin | Fill land, sandy             |
| 13          | End Braham Avenue      | 3.58 feet / wood / Fair                                         | ≠ Remove and replace existing wood bulkhead with new 130-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing sign and bench | Fill land, sandy             |
| 14          | End Stuart Avenue      | 3.76 feet / wood / Poor                                         | ≠ Remove and replace existing wood bulkhead with new 100-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing guard rail and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin | Fill land, sandy             |
<table>
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</table>
| 15          | End Lebrun Avenue | 3.97 feet / wood / Satisfactory | ≠ Remove and replace existing wood bulkhead with new 30-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood rail fence and install new timber guiderail  
≠ Install tie-back system  
≠ Install new catch basin  
≠ Remove and re-set existing metal pole, wood picket fence and cobble stone | Fill land, sandy |
| 16          | End Norman Avenue | 4.60 feet / wood / Fair | ≠ Remove and replace existing wood bulkhead with new 60-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Install new catch basin  
≠ Remove and replace concrete curb and gutter | Fill land, sandy |
| 17          | End Cooper Avenue | 2.43 feet / timber / Poor | ≠ Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Install tie-back system  
≠ Remove and re-set existing wood picket fence | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 18          | End Perkins Avenue | 0.0 feet / soft shoreline / Not Applicable | ≠ Remove and replace existing wood bulkhead with new 105-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove tree and stump | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 19          | End Meadow Lane   | 0.0 feet / soft shoreline / Not Applicable | ≠ Install new 55-linear-foot vinyl 4.9 foot bulkhead  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing fence and install new timber guiderail  
≠ Install tie-back system  
≠ Install new catch basin  
≠ Remove and replace existing retaining wall and gravel | Fill land, sandy |
<table>
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<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 20          | End Morris Street (East Side)  | 2.66 feet / wood / Serious                                      | ≠ Remove and replace existing wood bulkhead with new 55-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing guard rail and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing wood planter | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 21          | Bayside Canal                  | 2.66 feet / timber / Critical                                   | ≠ Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove existing drainage pipe and install new pipe  
≠ Install tie-back system  
≠ Install new catch basin | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 22          | End McDonald Avenue            | 0.0 feet / soft shoreline / Not Applicable                     | ≠ Install new 52-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood rail fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin | Fill land, sandy                                   |
NY-CRIS Site File Review

The Amityville Bulkhead Improvement Study Area encompasses a mostly residential area of the village with some commercial buildings along the northern edge of the project area, concentrated along Montauk Highway. The James Caples Memorial Park is in the southeastern corner of the project area. A large number of residences in the area were constructed after World War II with some nineteenth-century residences along the principle north/south streets including Riverside, Ocean, and Ketchum Avenues.

Examination of the project area in NY-CRIS indicates that 144 properties have been previously surveyed (Table 1). There are no National Register listed properties within the project area. Two of these previously surveyed buildings have been determined eligible for listing in the National Register: a house at 168 Riverside Drive and the Harley Residence at 45 Griffing Avenue. Twenty-two properties have been determined not eligible. The remaining 120 resources have not been evaluated with respect to National Register criteria. No other previously surveyed sites are located within the project area. The project is not within an archaeologically sensitive area, as depicted in NY-CRIS.

Table 1. Known Architectural Resources in the Project Area.

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A review of archaeological sites in CRIS found none in the vicinity of the proposed ground disturbing impacts for the project. Historical mapping of the area indicates settlement was extremely limited during the mid-nineteenth to early twentieth century (Chase 1858, USGS 1903, 1942). Twentieth century USGS topographic
maps depict this area being comprised of made land by 1947 (USGS 1947). Prior to this time the lands where the APEs are planned were largely mapped as tidal wetlands (USGS 1909, 1942).

All of the project sites will involve ground disturbance that is limited to previously disturbed soils. Sixteen project locations (Site Nos. 1-3, 6, 8-16, 19 and 22) have cut and fill soils that have a low potential for intact archaeological deposits. One additional project location (Site No. 4) has low potential for archaeological deposits due to the cut and fill soils at the site. The remaining sites have graded Riverhead and Haven soils, indicating that the integrity of soils have been compromised.

Recommendations

Based on the lack of archaeological sites, known land making and grading, and limited historical occupation, the 22 locations are not deemed sensitive for pre- or post-contact archaeological resources. Give this information, it is Louis Berger’s opinion that the project will not have an adverse effect to archaeological resources.

Replacement and repair of bulkheads at the 22 locations does not have the potential to adversely affect historic architectural resources. The locations are at the end of city streets and canals and are not associated with individual parcels. While the new bulkheads will be higher than the existing structures, they will not alter the general setting of the area. No historic districts are present in the project area, which is predominantly comprised of post-World War II housing. Given this information, Louis Berger recommends the proposed project will constitute **No Historic Properties Affected**. We would greatly appreciate your concurrence.

Sincerely,

Camilla Deiber
Senior Architectural Historian

Cc: Thomas King, GOSR

References:

Chase, Jay

United States Geological Survey
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Figure 1 – Project Location
Figure 2 – Detailed Locations of Proposed Bulkhead Construction within the Village of Amityville
Figure 2 – Detailed Locations of Proposed Bulkhead Construction within the Village of Amityville
June 28, 2016

Thomas King
Governor’s Office of Storm Recovery
99 Washington Ave, Suite 1224
Albany, NY 12231

Re: HTF/ GOSR/ HUD CDBG-DR/ NY Rising Waterfront Resiliency Improvements
Bulkhead Improvements in the Village of Amityville, Town of Babylon/ Suffolk County
16PR04278

Dear Mr. King:

Thank you for requesting the comments of the New York State Historic Preservation Office (SHPO). We have reviewed the submitted materials in accordance with Title 54, Section 306108 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/ Cultural resources. They do not include other environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based on this review, it is the opinion of SHPO that the proposed undertaking will have No Adverse Effect to Historic Properties in or eligible for inclusion in the State or National Register of Historic Places.

If I can be of further assistance, please contact me at (518) 268-2187 or Larry.moss@parks.ny.gov

Sincerely,

Larry K Moss, Historic Preservation Technical Specialist
CC: Mary Barthelme
Matt Accardi
July 22, 2016

Bryan Polite, Chairman
Shinnecock Nation
P.O. Box 5006
Southampton, NY 11969

Re: Section 106 Compliance for Bulkhead Improvements in the Village of Amityville, Town of Babylon, Suffolk County, New York

Dear Chairman Bryan Polite:

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor's Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal’s Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. GOSR proposes to provide funding for bulkhead improvements in the Village of Amityville, Town of Babylon, New York. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 302706(b)), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action. This consultation is being sent to the Shinnecock Indian Nation and the Unkechaug Nation.

Area of Potential Effect: The Bulkhead Improvements project will take place at 22 proposed locations in the Village of Amityville, Town of Babylon, New York.

Proposed Project Description: Please see the attached historic review of the proposed project by historian Camilla Deiber from Louis Berger that lays out the area of potential effect and project description.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. The SHPO has determined that the project will have No Adverse Effect to Historic Properties. GOSR is completing an
environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 20 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King  
Certifying Environmental Officer  
Governor’s Office of Storm Recovery  
99 Washington Avenue  
Suite 1224  
Albany, New York 12260  

I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (518) 473-0015 or via email at Thomas.King@stormrecovery.ny.gov.

Sincerely,

Thomas J. King  
Assistant General Counsel and Certifying Officer

Enclosure:
Attachment 1: Historic Review of Project  
Attachment 2: Project Location Maps  
Attachment 3: SHPO Determination

Electronic letter sent to:  
Ray Clendenin Jr.  
Tribal File Clerk  
Shinnecock Indian Nation  
P.O. Box 5006  
Southampton, NY 11969
June 23, 2016

Mr. Larry Moss
New York OPRHP
Peebles Island State Park
P.O. Box 189
Waterford, NY 12188-0189

RE: Project Review for Bulkhead Improvements in the Village of Amityville, Town of Babylon, NY

Mr. Moss,

The New York State Governor’s Office of Storm Recovery is proposing a Hurricane Sandy–related restoration project within the Village of Amityville (in the Town of Babylon, Suffolk County, New York) under the Community Development Block Grant-Disaster Recover (CDBG-DR) program that would involve construction of approximately 2,000 linear feet of public bulkhead in the severely damaged areas of the village of Amityville. A total of twenty-two (22) bulkhead locations (individual project sites) were identified for repairs, replacement or new construction based on an assessment of the locations most in need of improvement, assessment of engineering feasibility, and following a determination of available funding and decision regarding which projects would most improve resiliency for future storms (Figure 1).

**Project Description**

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the system, causing severe erosion of the shoreline. This project would rehabilitate and raise public bulkheads throughout the targeted community. The proposed construction of the necessary bulkhead improvements would serve to minimize damage and wave overtopping from future storms. The bulkheads are located on public property owned by the Village of Amityville, and no private land acquisition is anticipated for the project. (Table 1).

Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water’s edge.
Table 1. Site Locations, Existing Conditions, and Detailed Description of Proposed Project Activities

<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 1           | End Berger Avenue | 2.54 feet / timber / Serious                                     | • Remove and replace existing wood bulkhead with new 107-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin | Fill land, sandy |
| 2           | End S. Ketcham Avenue | 3.02 feet / timber / Critical                                   | • Remove and replace existing wood bulkhead with new 80-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb and gutter  
• Remove existing drainage structure and install new catch basin | Fill land, sandy |
| 3           | South Bayview Avenue | 2.53 feet / timber / Serious                                     | • Remove and replace existing wood bulkhead with new 115-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove and re-set existing post and rope fence | Fill land, sandy |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 4          | End Coles Avenue               | 2.65 feet / timber / Fair                                     | • Remove and replace existing wood bulkhead with new 70-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing sign and bench  | Cut and Fill Land, Gently Sloping                              |
| 5          | End Morris Street (West Side)  | 2.83 feet / timber / Serious                                  | • Remove and replace existing wood bulkhead with new 45-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and re-set existing picket fence  | Riverhead and Haven soils, graded, 0 to 8 percent slopes       |
| 6          | End Purdy Avenue               | 2.82 feet / timber / Serious                                  | • Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing fence, brick paver apron and block curb  | Fill land, sandy                                              |
| 7          | End Griffing Avenue            | 3.48 feet / timber / Serious                                  | • Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing wood posts  | Riverhead and Haven soils, graded, 0 to 8 percent slopes       |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 8           | North End Fleming Canal | 3.68 feet / timber / Satisfactory                                | • Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location  
  • Install check valve  
  • Remove and replace existing asphalt pavement  
  • Remove existing drainage pipe and install new pipe  
  • Remove existing wood fence and install new timber guiderail  
  • Install tie-back system  
  • Remove and replace existing concrete curb | Fill land, sandy |
| 9           | End Bayside Place       | 1.94 feet / timber / Poor                                        | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
  • Remove and replace existing asphalt pavement  
  • Remove existing drainage pipe and install new pipe  
  • Remove existing wood fence and install new timber guiderail  
  • Install tie-back system  
  • Remove and replace existing concrete curb  
  • Remove existing drainage structure and install new catch basin  
  • Remove and replace existing slate wall | Fill land, sandy |
| 10          | End New Point Place     | 2.73 feet / timber / Poor                                        | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
  • Remove and replace existing asphalt pavement  
  • Remove existing drainage pipe and install new pipe  
  • Install new timber guiderail  
  • Install tie-back system  
  • Remove and replace existing concrete curb  
  • Remove existing drainage structure and install new catch basin  
  • Remove and re-set existing metal pole | Fill land, sandy |


<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 11          | End South Bay Avenue | 3.17 feet / wood / Fair | • Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin | Fill land, sandy |
| 12          | Richmond Avenue, Public Dock | 2.68 feet / vinyl / Poor | • Remove and replace existing wood bulkhead with new 260-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Install removable gate  
• Install new catch basin | Fill land, sandy |
| 13          | End Braham Avenue | 3.58 feet / wood / Fair | • Remove and replace existing wood bulkhead with new 130-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing sign and bench | Fill land, sandy |
| 14          | End Stuart Avenue | 3.76 feet / wood / Poor | • Remove and replace existing wood bulkhead with new 100-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin | Fill land, sandy |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 15         | End Lebrun Avenue   | 3.97 feet / wood / Satisfactory                                  | • Remove and replace existing wood bulkhead with new 30-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood rail fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and re-set existing metal pole, wood picket fence and cobble stone | Fill land, sandy                                                                                  |
| 16         | End Norman Avenue   | 4.60 feet / wood / Fair                                         | • Remove and replace existing wood bulkhead with new 60-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and replace concrete curb and gutter | Fill land, sandy                                                                                  |
| 17         | End Cooper Avenue   | 2.43 feet / timber / Poor                                       | • Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
• Install tie-back system  
• Remove and re-set existing wood picket fence | Riverhead and Haven soils, graded, 0 to 8 percent slopes                                                 |
| 18         | End Perkins Avenue  | 0.0 feet / soft shoreline / Not Applicable                      | • Remove and replace existing wood bulkhead with new 105-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove tree and stump | Riverhead and Haven soils, graded, 0 to 8 percent slopes                                                 |
| 19         | End Meadow Lane     | 0.0 feet / soft shoreline / Not Applicable                      | • Install new 55-linear-foot vinyl 4.9 foot bulkhead  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and replace existing retaining wall and gravel | Fill land, sandy                                                                                  |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
</tr>
</thead>
</table>
| 20          | End Morris Street (East Side)     | 2.66 feet / wood / Serious                                       | • Remove and replace existing wood bulkhead with new 55-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing wood planter                  | Riverhead and Haven soils, graded, 0 to 8 percent slopes             |
| 21          | Bayside Canal                     | 2.66 feet / timber / Critical                                    | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove existing drainage pipe and install new pipe  
• Install tie-back system  
• Install new catch basin                                  | Riverhead and Haven soils, graded, 0 to 8 percent slopes             |
| 22          | End McDonald Avenue               | 0.0 feet / soft shoreline / Not Applicable                      | • Install new 52-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood rail fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin | Fill land, sandy                                                   |
NY-CRIS Site File Review

The Amityville Bulkhead Improvement Study Area encompasses a mostly residential area of the village with some commercial buildings along the northern edge of the project area, concentrated along Montauk Highway. The James Caples Memorial Park is in the southeastern corner of the project area. A large number of residences in the area were constructed after World War II with some nineteenth-century residences along the principle north/south streets including Riverside, Ocean, and Ketchum Avenues.

Examination of the project area in NY-CRIS indicates that 144 properties have been previously surveyed (Table 1). There are no National Register listed properties within the project area. Two of these previously surveyed buildings have been determined eligible for listing in the National Register: a house at 168 Riverside Drive and the Harley Residence at 45 Griffing Avenue. Twenty-two properties have been determined not eligible. The remaining 120 resources have not been evaluated with respect to National Register criteria. No other previously surveyed sites are located within the project area. The project is not within an archaeologically sensitive area, as depicted in NY-CRIS.

Table 1. Known Architectural Resources in the Project Area.

<table>
<thead>
<tr>
<th>USN No.</th>
<th>Resource</th>
<th>National Register Status</th>
</tr>
</thead>
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<td>10348.000011</td>
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<td>72 Bennett Pl</td>
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<td>10348.000032</td>
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<td>10348.000072</td>
<td>Richmond Auto Body - 91 Merrick Rd</td>
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<td>USN No.</td>
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A review of archaeological sites in CRIS found none in the vicinity of the proposed ground disturbing impacts for the project. Historical mapping of the area indicates settlement was extremely limited during the mid-nineteenth to early twentieth century (Chase 1858, USGS 1903, 1942). Twentieth century USGS topographic...
maps depict this area being comprised of made land by 1947 (USGS 1947). Prior to this time the lands where the APEs are planned were largely mapped as tidal wetlands (USGS 1909, 1942).

All of the project sites will involve ground disturbance that is limited to previously disturbed soils. Sixteen project locations (Site Nos. 1-3, 6, 8-16, 19 and 22) have cut and fill soils that have a low potential for intact archaeological deposits. One additional project location (Site No. 4) has low potential for archaeological deposits due to the cut and fill soils at the site. The remaining sites have graded Riverhead and Haven soils, indicating that the integrity of soils have been compromised.

**Recommendations**

Based on the lack of archaeological sites, known land making and grading, and limited historical occupation, the 22 locations are not deemed sensitive for pre- or post-contact archaeological resources. Give this information, it is Louis Berger’s opinion that the project will not have an adverse effect to archaeological resources.

Replacement and repair of bulkheads at the 22 locations does not have the potential to adversely affect historic architectural resources. The locations are at the end of city streets and canals and are not associated with individual parcels. While the new bulkheads will be higher than the existing structures, they will not alter the general setting of the area. No historic districts are present in the project area, which is predominantly comprised of post-World War II housing. Given this information, Louis Berger recommends the proposed project will constitute **No Historic Properties Affected.** We would greatly appreciate your concurrence.

Sincerely,

Camilla Deiber
Senior Architectural Historian

Cc: Thomas King, GOSR

References:

Chase, Jay

United States Geological Survey


Figure 1 – Project Location
Figure 2 – Detailed Locations of Proposed Bulkhead Construction within the Village of Amityville
Figure 2 – Detailed Locations of Proposed Bulkhead Construction within the Village of Amityville
June 28, 2016

Thomas King
Governor's Office of Storm Recovery
99 Washington Ave, Suite 1224
Albany, NY 12231

Re: HTF/ GOSR/ HUD CDBG-DR/ NY Rising Waterfront Resiliency Improvements
Bulkhead Improvements in the Village of Amityville, Town of Babylon/ Suffolk County

16PR04278

Dear Mr. King:

Thank you for requesting the comments of the New York State Historic Preservation Office (SHPO). We have reviewed the submitted materials in accordance with Title 54, Section 306108 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/ Cultural resources. They do not include other environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based on this review, it is the opinion of SHPO that the proposed undertaking will have No Adverse Effect to Historic Properties in or eligible for inclusion in the State or National Register of Historic Places.

If I can be of further assistance, please contact me at (518) 268-2187 or Larry.moss@parks.ny.gov

Sincerely,

Larry K Moss, Historic Preservation Technical Specialist
CC: Mary Barthelme
Matt Accardi
July 22, 2016

Harry B. Wallace, Chief
Unkechaug Nation
207 Poospansk Lane
Mastic, NY 11950

Re: Section 106 Compliance for Bulkhead Improvements in the Village of Amityville, Town of Babylon, Suffolk County, New York

Dear Chief Harry Wallace:

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), the Governor’s Office of Storm Recovery (GOSR) is acting under the auspices of New York State Homes and Community Renewal’s Housing Trust Fund Corporation as a recipient of Community Development Block Grant – Disaster Recovery (“CDBG-DR”) funds from the United States Department of Housing and Urban Development (“HUD”). GOSR is the entity responsible for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. GOSR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation to respond with any concerns or comments.

GOSR processes environmental reviews for projects funded with HUD CDBG-DR on a case-by-case basis. GOSR proposes to provide funding for bulkhead improvements in the Village of Amityville, Town of Babylon, New York. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 302706(b)), and its implementing regulations, 36 Code of Federal Regulations (CFR) Part 800, this letter serves as notification of the proposed action. This consultation is being sent to the Shinnecock Indian Nation and the Unkechaug Nation.

Area of Potential Effect: The Bulkhead Improvements project will take place at 22 proposed locations in the Village of Amityville, Town of Babylon, New York.

Proposed Project Description: Please see the attached historic review of the proposed project by historian Camilla Deiber from Louis Berger that lays out the area of potential effect and project description.

Pursuant to NHPA Section 106, GOSR has initiated consultation with the State Historic Preservation Office (SHPO) concerning this Project and its potential to affect historic resources that are listed on or eligible for listing on the NRHP. The SHPO has determined that the project will have No Adverse Effect to Historic Properties. GOSR is completing an
environmental review for this project pursuant to HUD NEPA regulations. If the Area of Potential Effect encompasses historic properties of religious or cultural significance to your Nation, please respond within 20 days or sooner. Additionally, please indicate if there are other sources of information or other parties, Nations, Tribes, or members of the public you believe should be included in the consultation process. Please respond by email or in writing to the address listed below.

Mr. Thomas King  
Certifying Environmental Officer  
Governor’s Office of Storm Recovery  
99 Washington Avenue  
Suite 1224  
Albany, New York 12260

I am available to answer any questions that you may have regarding this action. If you have any questions, please feel free to contact me at (518) 473-0015 or via email at Thomas.King@stormrecovery.ny.gov.

Sincerely,

Thomas J. King  
Assistant General Counsel and Certifying Officer

Enclosure:  
Attachment 1: Historic Review of Project  
Attachment 2: Project Location Maps  
Attachment 3: SHPO Determination
June 23, 2016

Mr. Larry Moss
New York OPRHP
Peebles Island State Park
P.O. Box 189
Waterford, NY 12188-0189

RE: Project Review for Bulkhead Improvements in the Village of Amityville, Town of Babylon, NY

Mr. Moss,

The New York State Governor’s Office of Storm Recovery is proposing a Hurricane Sandy–related restoration project within the Village of Amityville (in the Town of Babylon, Suffolk County, New York) under the Community Development Block Grant-Disaster Recover (CDBG-DR) program that would involve construction of approximately 2,000 linear feet of public bulkhead in the severely damaged areas of the village of Amityville. A total of twenty-two (22) bulkhead locations (individual project sites) were identified for repairs, replacement or new construction based on an assessment of the locations most in need of improvement, assessment of engineering feasibility, and following a determination of available funding and decision regarding which projects would most improve resiliency for future storms (Figure 1).

**Project Description**

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the system, causing severe erosion of the shoreline. This project would rehabilitate and raise public bulkheads throughout the targeted community. The proposed construction of the necessary bulkhead improvements would serve to minimize damage and wave overtopping from future storms. The bulkheads are located on public property owned by the Village of Amityville, and no private land acquisition is anticipated for the project. (Table 1).

Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water’s edge.
### Table 1. Site Locations, Existing Conditions, and Detailed Description of Proposed Project Activities

<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>End Berger Avenue</td>
<td>2.54 feet / timber / Serious</td>
<td>≠ Remove and replace existing wood bulkhead with new 107-linear-foot vinyl 4.9 foot bulkhead in same location &lt;br&gt; ≠ Remove and replace existing asphalt pavement &lt;br&gt; ≠ Remove existing drainage pipe and install new pipe &lt;br&gt; ≠ Remove existing wood fence and install new timber guiderail &lt;br&gt; ≠ Install tie-back system &lt;br&gt; ≠ Remove existing drainage structure and install new catch basin</td>
<td>Fill land, sandy</td>
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<td>≠ Remove and replace existing wood bulkhead with new 80-linear-foot vinyl 4.9 foot bulkhead in same location &lt;br&gt; ≠ Remove and replace existing asphalt pavement &lt;br&gt; ≠ Remove existing drainage pipe and install new pipe &lt;br&gt; ≠ Remove existing wood fence and install new timber guiderail &lt;br&gt; ≠ Install tie-back system &lt;br&gt; ≠ Remove and replace existing concrete curb and gutter &lt;br&gt; ≠ Remove existing drainage structure and install new catch basin</td>
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<td>Site Number</td>
<td>Site Location</td>
<td>Existing Conditions (bulkhead height / type / level of damage)</td>
<td>Proposed Repairs</td>
<td>Site Soils (Web Soil Survey)</td>
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</table>
| 4           | End Coles Avenue       | 2.65 feet / timber / Fair                                     | ≠ Remove and replace existing wood bulkhead with new 70-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing sign and bench | Cut and Fill Land, Gently Sloping                              |
| 5           | End Morris Street (West Side) | 2.83 feet / timber / Serious                                     | ≠ Remove and replace existing wood bulkhead with new 45-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Install new catch basin  
≠ Remove and re-set existing picket fence | Riverhead and Haven soils, graded, 0 to 8 percent slopes       |
| 6           | End Purdy Avenue       | 2.82 feet / timber / Serious                                     | ≠ Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing fence, brick paver apron and block curb | Fill land, sandy                                                |
| 7           | End Griffing Avenue    | 3.48 feet / timber / Serious                                     | ≠ Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing wood fence and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing wood posts | Riverhead and Haven soils, graded, 0 to 8 percent slopes       |
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<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
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<td>North End Fleming Canal</td>
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<td>≠ Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location  ≠ Install check valve  ≠ Remove and replace existing asphalt pavement  ≠ Remove existing drainage pipe and install new pipe  ≠ Remove existing wood fence and install new timber guiderail  ≠ Install tie-back system  ≠ Remove and replace existing concrete curb</td>
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<td>End Bayside Place</td>
<td>1.94 feet / timber / Poor</td>
<td>≠ Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  ≠ Remove and replace existing asphalt pavement  ≠ Remove existing drainage pipe and install new pipe  ≠ Remove existing wood fence and install new timber guiderail  ≠ Install tie-back system  ≠ Remove and replace existing concrete curb  ≠ Remove existing drainage structure and install new catch basin  ≠ Remove and replace existing slate wall</td>
<td>Fill land, sandy</td>
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<td>10</td>
<td>End New Point Place</td>
<td>2.73 feet / timber / Poor</td>
<td>≠ Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  ≠ Remove and replace existing asphalt pavement  ≠ Remove existing drainage pipe and install new pipe  ≠ Install new timber guiderail  ≠ Install tie-back system  ≠ Remove and replace existing concrete curb  ≠ Remove existing drainage structure and install new catch basin  ≠ Remove and re-set existing metal pole</td>
<td>Fill land, sandy</td>
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<td>Site Number</td>
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<td>Existing Conditions (bulkhead height / type / level of damage)</td>
<td>Proposed Repairs</td>
<td>Site Soils (Web Soil Survey)</td>
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| 11          | End South Bay Avenue | 3.17 feet / wood / Fair                                        | ≠ Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing guard rail and install new timber guiderail  
≠ Install tie-back system  
≠ Remove and replace existing concrete curb  
≠ Remove existing drainage structure and install new catch basin | Fill land, sandy               |
| 12          | Richmond Avenue, Public Dock | 2.68 feet / vinyl / Poor                                      | ≠ Remove and replace existing wood bulkhead with new 260-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Install removable gate  
≠ Install new catch basin | Fill land, sandy               |
| 13          | End Braham Avenue | 3.58 feet / wood / Fair                                       | ≠ Remove and replace existing wood bulkhead with new 130-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin  
≠ Remove and re-set existing sign and bench | Fill land, sandy               |
| 14          | End Stuart Avenue | 3.76 feet / wood / Poor                                       | ≠ Remove and replace existing wood bulkhead with new 100-linear-foot vinyl 4.9 foot bulkhead in same location  
≠ Remove and replace existing asphalt pavement  
≠ Remove existing drainage pipe and install new pipe  
≠ Remove existing guard rail and install new timber guiderail  
≠ Install tie-back system  
≠ Remove existing drainage structure and install new catch basin | Fill land, sandy               |
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<thead>
<tr>
<th>Site Number</th>
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<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Site Soils (Web Soil Survey)</th>
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<td>15</td>
<td>End Lebrun Avenue</td>
<td>3.97 feet / wood / Satisfactory</td>
<td>≠ Remove and replace existing wood bulkhead with new 30-linear-foot vinyl 4.9 foot bulkhead in same location&lt;br&gt;≠ Remove and replace existing asphalt pavement&lt;br&gt;≠ Remove existing drainage pipe and install new pipe&lt;br&gt;≠ Remove existing wood rail fence and install new timber guiderail&lt;br&gt;≠ Install tie-back system&lt;br&gt;≠ Install new catch basin&lt;br&gt;≠ Remove and re-set existing metal pole, wood picket fence and cobble stone</td>
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<td>16</td>
<td>End Norman Avenue</td>
<td>4.60 feet / wood / Fair</td>
<td>≠ Remove and replace existing wood bulkhead with new 60-linear-foot vinyl 4.9 foot bulkhead in same location&lt;br&gt;≠ Remove and replace existing asphalt pavement&lt;br&gt;≠ Remove existing drainage pipe and install new pipe&lt;br&gt;≠ Remove existing wood fence and install new timber guiderail&lt;br&gt;≠ Install tie-back system&lt;br&gt;≠ Install new catch basin&lt;br&gt;≠ Remove and replace concrete curb and gutter</td>
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<td>17</td>
<td>End Cooper Avenue</td>
<td>2.43 feet / timber / Poor</td>
<td>≠ Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location&lt;br&gt;≠ Install tie-back system&lt;br&gt;≠ Remove and re-set existing wood picket fence</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
</tr>
<tr>
<td>18</td>
<td>End Perkins Avenue</td>
<td>0.0 feet / soft shoreline / Not Applicable</td>
<td>≠ Remove and replace existing wood bulkhead with new 105-linear-foot vinyl 4.9 foot bulkhead in same location&lt;br&gt;≠ Remove existing wood fence and install new timber guiderail&lt;br&gt;≠ Install tie-back system&lt;br&gt;≠ Remove tree and stump</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
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<tr>
<td>19</td>
<td>End Meadow Lane</td>
<td>0.0 feet / soft shoreline / Not Applicable</td>
<td>≠ Install new 55-linear-foot vinyl 4.9 foot bulkhead&lt;br&gt;≠ Remove and replace existing asphalt pavement&lt;br&gt;≠ Remove existing drainage pipe and install new pipe&lt;br&gt;≠ Remove existing fence and install new timber guiderail&lt;br&gt;≠ Install tie-back system&lt;br&gt;≠ Install new catch basin&lt;br&gt;≠ Remove and replace existing retaining wall and gravel</td>
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<td>Site Number</td>
<td>Site Location</td>
<td>Existing Conditions (bulkhead height / type / level of damage)</td>
<td>Proposed Repairs</td>
<td>Site Soils (Web Soil Survey)</td>
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<td>End Morris Street (East Side)</td>
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<td>≠ Remove and replace existing wood bulkhead with new 55-linear-foot vinyl 4.9 foot bulkhead in same location  ≠ Remove existing drainage pipe and install new pipe  ≠ Install tie-back system  ≠ Remove existing guard rail and install new timber guiderail  ≠ Remove and re-set existing wood planter</td>
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<td>Bayside Canal</td>
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<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
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<td>≠ Install new 52-linear-foot vinyl 4.9 foot bulkhead in same location  ≠ Remove existing drainage pipe and install new pipe  ≠ Remove existing wood rail fence and install new timber guiderail  ≠ Install tie-back system  ≠ Remove existing drainage structure and install new catch basin</td>
<td>Fill land, sandy</td>
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NY-CRIS Site File Review

The Amityville Bulkhead Improvement Study Area encompasses a mostly residential area of the village with some commercial buildings along the northern edge of the project area, concentrated along Montauk Highway. The James Caples Memorial Park is in the southeastern corner of the project area. A large number of residences in the area were constructed after World War II with some nineteenth-century residences along the principle north/south streets including Riverside, Ocean, and Ketchum Avenues.

Examination of the project area in NY-CRIS indicates that 144 properties have been previously surveyed (Table 1). There are no National Register listed properties within the project area. Two of these previously surveyed buildings have been determined eligible for listing in the National Register: a house at 168 Riverside Drive and the Harley Residence at 45 Griffing Avenue. Twenty-two properties have been determined not eligible. The remaining 120 resources have not been evaluated with respect to National Register criteria. No other previously surveyed sites are located within the project area. The project is not within an archaeologically sensitive area, as depicted in NY-CRIS.

Table 1. Known Architectural Resources in the Project Area.

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</tr>
<tr>
<td>10348.000211</td>
<td>227 Grand Central Avenue</td>
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</tr>
<tr>
<td>10348.000212</td>
<td>262 South Ketcham Ave</td>
<td>Not Eligible</td>
</tr>
<tr>
<td>10348.000213</td>
<td>139 Riverside Avenue</td>
<td>Undetermined</td>
</tr>
<tr>
<td>10348.000214</td>
<td>200 Richmond Avenue</td>
<td>Undetermined</td>
</tr>
<tr>
<td>10348.000215</td>
<td>2 Anita Place</td>
<td>Undetermined</td>
</tr>
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</table>

A review of archaeological sites in CRIS found none in the vicinity of the proposed ground disturbing impacts for the project. Historical mapping of the area indicates settlement was extremely limited during the mid-nineteenth to early twentieth century (Chase 1858, USGS 1903, 1942). Twentieth century USGS topographic...
maps depict this area being comprised of made land by 1947 (USGS 1947). Prior to this time the lands where
the APEs are planned were largely mapped as tidal wetlands (USGS 1909, 1942).

All of the project sites will involve ground disturbance that is limited to previously disturbed soils. Sixteen
project locations (Site Nos. 1-3, 6, 8-16, 19 and 22) have cut and fill soils that have a low potential for intact
archaeological deposits. One additional project location (Site No. 4) has low potential for archaeological
deposits due to the cut and fill soils at the site. The remaining sites have graded Riverhead and Haven soils,
indicating that the integrity of soils have been compromised.

**Recommendations**

Based on the lack of archaeological sites, known land making and grading, and limited historical occupation,
the 22 locations are not deemed sensitive for pre- or post-contact archaeological resources. Give this
information, it is Louis Berger’s opinion that the project will not have an adverse effect to archaeological
resources.

Replacement and repair of bulkheads at the 22 locations does not have the potential to adversely affect
historic architectural resources. The locations are at the end of city streets and canals and are not associated
with individual parcels. While the new bulkheads will be higher than the existing structures, they will not alter
the general setting of the area. No historic districts are present in the project area, which is predominantly
comprised of post-World War II housing. Given this information, Louis Berger recommends the proposed
project will constitute **No Historic Properties Affected.** We would greatly appreciate your concurrence.

Sincerely,

Camilla Deiber
Senior Architectural Historian

Cc: Thomas King, GOSR

References:

Chase, Jay

United States Geological Survey
1903  Babylon, New York. 15-Minute Series Topographic Quadrangle. United States Geological Survey, Reston,
Virginia.
<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Series</th>
<th>Survey</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>1942</td>
<td>Babylon, New York</td>
<td>7.5-Minute Series Topographic Quadrangle</td>
<td>United States Geological Survey</td>
<td>Reston, Virginia</td>
</tr>
<tr>
<td>1947</td>
<td></td>
<td>7.5-Minute Series Topographic Quadrangle</td>
<td>United States Geological Survey</td>
<td>Reston, Virginia</td>
</tr>
</tbody>
</table>
Figure 2 – Detailed Locations of Proposed Bulkhead Construction within the Village of Amityville
Figure 2 – Detailed Locations of Proposed Bulkhead Construction within the Village of Amityville
June 28, 2016

Thomas King
Governor's Office of Storm Recovery
99 Washington Ave, Suite 1224
Albany, NY 12231

Re: HTF/ GOSR/ HUD CDBG-DR/ NY Rising Waterfront Resiliency Improvements
    Bulkhead Improvements in the Village of Amityville, Town of Babylon/ Suffolk County
    16PR04278

Dear Mr. King:

Thank you for requesting the comments of the New York State Historic Preservation Office (SHPO). We have reviewed the submitted materials in accordance with Title 54, Section 306108 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/ Cultural resources. They do not include other environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based on this review, it is the opinion of SHPO that the proposed undertaking will have No Adverse Effect to Historic Properties in or eligible for inclusion in the State or National Register of Historic Places.

If I can be of further assistance, please contact me at (518) 268-2187 or Larry.moss@parks.ny.gov

Sincerely,

Larry K Moss, Historic Preservation Technical Specialist
CC: Mary Barthelme
    Matt Accardi
Farmland Classification

###Farmland Classification—Summary by Map Unit—Nassau County, New York (NY059)

<table>
<thead>
<tr>
<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ug</td>
<td>Urban land</td>
<td>Not prime farmland</td>
<td>0.7</td>
<td>0.1%</td>
</tr>
<tr>
<td>Uw</td>
<td>Urban land-udipsamments, wet substratum complex</td>
<td>Not prime farmland</td>
<td>6.3</td>
<td>0.9%</td>
</tr>
<tr>
<td>W</td>
<td>Water</td>
<td>Not prime farmland</td>
<td>6.3</td>
<td>0.9%</td>
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<tr>
<td><strong>Subtotals for Soil Survey Area</strong></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>13.3</strong></td>
<td><strong>1.9%</strong></td>
</tr>
<tr>
<td><strong>Totals for Area of Interest</strong></td>
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<td><strong>Total</strong></td>
<td><strong>697.7</strong></td>
<td><strong>100.0%</strong></td>
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###Farmland Classification—Summary by Map Unit—Suffolk County, New York (NY103)

<table>
<thead>
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<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating</th>
<th>Acres in AOI</th>
<th>Percent of AOI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bc</td>
<td>Beaches</td>
<td>Not prime farmland</td>
<td>2.3</td>
<td>0.3%</td>
</tr>
<tr>
<td>CuB</td>
<td>Cut and fill land, gently sloping</td>
<td>Not prime farmland</td>
<td>58.4</td>
<td>8.4%</td>
</tr>
<tr>
<td>Fd</td>
<td>Fill land, dredged material</td>
<td>Not prime farmland</td>
<td>0.8</td>
<td>0.1%</td>
</tr>
<tr>
<td>Fs</td>
<td>Fill land, sandy</td>
<td>Not prime farmland</td>
<td>169.4</td>
<td>24.3%</td>
</tr>
<tr>
<td>PIA</td>
<td>Plymouth loamy sand, 0 to 3 percent slopes</td>
<td>Farmland of statewide importance</td>
<td>3.1</td>
<td>0.4%</td>
</tr>
<tr>
<td>PIB</td>
<td>Plymouth loamy sand, 3 to 8 percent slopes</td>
<td>Farmland of statewide importance</td>
<td>4.5</td>
<td>0.6%</td>
</tr>
<tr>
<td>RdA</td>
<td>Riverhead sandy loam, 0 to 3 percent slopes</td>
<td>All areas are prime farmland</td>
<td>20.7</td>
<td>3.0%</td>
</tr>
<tr>
<td>RhB</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
<td>Not prime farmland</td>
<td>299.0</td>
<td>42.9%</td>
</tr>
<tr>
<td>Ur</td>
<td>Urban land</td>
<td>Not prime farmland</td>
<td>9.1</td>
<td>1.3%</td>
</tr>
<tr>
<td>W</td>
<td>Water</td>
<td>Not prime farmland</td>
<td>117.1</td>
<td>16.8%</td>
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<tr>
<td><strong>Subtotals for Soil Survey Area</strong></td>
<td></td>
<td><strong>Total</strong></td>
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<td><strong>98.1%</strong></td>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>697.7</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>

###Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.
## Depth to Any Soil Restrictive Layer

### Depth to Any Soil Restrictive Layer—Summary by Map Unit — Nassau County, New York (NY059)

<table>
<thead>
<tr>
<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating (centimeters)</th>
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<th>Percent of AOI</th>
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<tbody>
<tr>
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</table>

### Depth to Any Soil Restrictive Layer—Summary by Map Unit — Suffolk County, New York (NY103)

<table>
<thead>
<tr>
<th>Map unit symbol</th>
<th>Map unit name</th>
<th>Rating (centimeters)</th>
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</tr>
</tbody>
</table>
Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

*Units of Measure:* centimeters

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Lower

*Interpret Nulls as Zero:* No
Floodplain Management and Wetland Protection Plan

Governor’s Office of Storm Recovery
U.S. Department of Housing and Urban Development
Community Development Block Grant – Disaster Recovery

Village of Amityville Bulkhead Restoration Project
Town of Babylon, NY

Town of Babylon, Suffolk County, New York
Effective Date: June 10, 2016
This Floodplain Management Plan meets the requirements of 24 CFR Part 55.20 and Executive Order 11988—Floodplain Management—and Executive Order 11990—Protection of Wetlands—for the Village of Amityville Bulkhead Restoration Project (Project) in the Town of Babylon, Suffolk County, NY. This Floodplain and Wetlands Management Plan documents the eight-step decision making for the Project and pertains to activities within the Special Flood Hazard Area (SFHA) as defined by the Federal Emergency Management Agency (FEMA), or its successors, pursuant to the National Flood Insurance Program (NFIP), or a successor program, whether advisory, preliminary, or final, as well as activities occurring within wetlands.

**Description of Proposed Program Activities**

The U.S. Department of Housing and Urban Development (HUD) is responsible for administration of the CDBG-DR program pursuant to the Disaster Relief Appropriations Act of 2013. The CDBG-DR program is designed to address the needs of New York State (NYS) communities devastated by Superstorm Sandy. To date, program funding has been disbursed in three allocations. On Tuesday, March 5, 2013, HUD published Federal Register Notice 78 Fed. Reg. 14329, which established the requirements and processes for the first $1.71 billion in federal CDBG-DR aid appropriated by the United States Congress and allocated to NYS for disaster relief. On November 18, 2013, HUD issued a second allocation of $2.097 billion to NYS under Federal Register Notice 78 Fed. Reg. 69104. On October 16, 2014, HUD issued the third and final allocation of $600 million to NYS under Federal Register Notice 79 Fed. Reg. 62194.

The Governor’s Office of Storm Recovery (GOSR) is conducting an evaluation as required by Executive Order 11988 in accordance with HUD regulations under 24 CFR 55.20 Subpart C - Procedures for Making Determinations on Floodplain Management and Protection of Wetlands, to determine the potential effects that Project activity in the floodplain would have on the human environment.

The Town of Babylon is requesting CDBG-DR funding to construct approximately 2,000 linear feet of public bulkhead in areas of the Village of Amityville that were severely damaged by Superstorm Sandy. The Town is requesting this funding for the construction of proposed bulkhead improvements to minimize damage and wave overtopping from future storms. The Village is bordered by Massapequa in Nassau County on the west, the Great South Bay to the south, and the Town of Babylon Hamlets of Copiague to the east and North Amityville to the north.

The proposed project would repair existing, damaged public infrastructure and construct new public
infrastructure. During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the system, causing severe erosion of the shoreline. Residences, business establishments, public community facilities, and roads south of Montauk Highway, also known as Merrick Road, experienced flooding, downed trees and power and communications failures. This project would rehabilitate and raise existing public bulkheads and construct new public bulkheads throughout the targeted community. The proposed construction of new bulkheads and improvements to existing bulkheads would serve to minimize damage and wave overtopping from future storms. All existing and proposed bulkheads are located on public property owned by the Village of Amityville and no private land acquisition is anticipated for the project.

A total of 22 individual bulkhead locations have been identified for repair, replacement or new construction based on an assessment of the locations most in need of improvement, engineering feasibility, and following a determination of available funding and decision regarding which project sites would most improve resiliency for future storms. Of the 22 project sites, 19 locations are reconstructions of existing bulkheads and three locations would involve construction of new bulkheads.

The total acreage of disturbance from the proposed bulkhead construction and repairs would be approximately 0.872 acres. Approximately 2 cubic yards of fill for each of the 19 locations with existing bulkheads may be required in order to raise the grade behind the bulkhead. Precautions would be taken to prevent sedimentation of the waterway. For the three locations without current bulkheads, approximately 10 cubic yards of fill may be required. All project activities are to be carried out in a manner consistent with the terms and conditions of the federal, state, and local permits.

Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkheads would be for the purpose of recapturing any lost fill during construction and would be performed using a clam shell dredge. No fill would be side cast. All fill would be cast landward of the bulkheads.

Throughout project implementation, precautions would be taken to prevent sedimentation of the associated waterways. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water’s edge.

**Executive Orders 11988, 11990 & 24 CFR Part 55**

Under 24 CFR Part 55.20, an eight-step decision making process must be completed for proposed actions taking place in a floodplain or wetland. 24 CFR Part 55.20 implements Executive Order 11988—Floodplain Management and Executive Order 11990—Protection of Wetlands. The orders require federal agencies (or a state agency implementing a federal funding program) to reduce the loss of life and property caused by floods, minimize impacts of floods on human safety, health, and welfare, and preserve the natural and beneficial functions of floodplains and wetlands. Under these orders, federal agencies should first look at avoiding all actions in or adversely affecting floodplains and wetlands unless no practicable alternatives exist. If no practicable alternatives exist, then federal
agencies must evaluate the potential effects of the proposed action. In addition, federal agencies are required to demonstrate that consideration of all practicable alternatives has resulted in the reduction or elimination of the long- and short-term adverse impacts associated with occupancy and modifications of the floodplain or wetlands. This eight-step process includes assessing all practicable alternatives and incorporating public review.

Projects located within the SFHA are subject to Executive Order 11988. Information on where SFHAs are located is available on Flood Insurance Rate Maps (FIRMs) published by FEMA. FEMA uses engineering studies to determine the delineation of these areas or zones subject to flooding. The relevant data source for the SFHA is the latest issued FEMA data or guidance, which includes advisory data, such as Advisory Base Flood Elevations (ABFEs) or preliminary and final FIRMs.

The SFHA is the area that would be inundated by a 100-year flood: an area that has a one percent or greater chance of experiencing a flood in any single year. SFHAs are shown on FIRMs as shaded areas labeled with the letter “A” or “V”.

- “V” zones are coastal flood hazard zones subject to wave run-up in addition to storm surge.
- “A” zones include all other special flood hazard areas.
- “VE” zones, “AE” zones, “V” zones, or “A” zones followed by a number are areas with specific flood elevations, known as Base Flood Elevations (BFE).
- A zone with the letter “A” or “V” by itself is an appropriately studied flood hazard area without a specific flood elevation.
- Within an “AE” zone or a numbered “A” zone, there may be an area known as the “regulatory floodway,” which is the channel of a river and adjacent land areas which must be reserved to discharge a 100-year flood without causing a rise in flood elevations.

24 CFR Part 55.1 (c)

Under 24 CFR Part 55.1 (c), except with respect to actions listed in Part 55.12(c), no HUD financial assistance (including mortgage insurance) may be approved after May 23, 1994 with respect to:

(1) Any action, other than a functionally dependent use, located in a floodway;
(2) Any critical action located in a coastal high hazard area (V zone) (a “critical action” is an action such as storage of volatile materials, irreplaceable record storage, or construction of a hospital or nursing home); or
(3) Any non-critical action located in a coastal high hazard area, unless the action is designed for location in a coastal high hazard area or is a functionally dependent use and complies with the construction standards outlined in HUD Regulations 24 CFR Part 55 (c)(3).

24 CFR Parts 55.11 & 55.20

Under 24 CFR Parts 55.11 (including Table 1) and 55.20, non-critical actions are allowed in A or V zones only if the actions are reviewed in accordance with the floodplain management eight-step decision making process (eight-step process) outlined in 24 CFR Part 55.20. The eight-step process was conducted for the Village of Amityville Bulkhead Restoration Project and is detailed below.
Step One: Determine whether the proposed action is located in a wetland or 100-year floodplain (or a 500-year floodplain for a Critical Action).

The geographic scope for the Village of Amityville Bulkhead Restoration Project is located within the Town of Babylon in Suffolk County. The project area includes boundaries of the Village of Amityville. Specifically, there are twenty-two locations where improvements or replacements of the bulkheads are proposed.

The selected locations of bulkhead improvements are located along the shoreline of Narraskatuck Creek, Amityville Creek and Woods Creek.

All of the 22 proposed sites are located in FEMA Zone “AE” (Base Flood Elevation is between 6-7 feet for all project locations).

The proposed Project location and action are:
See EXHIBIT 1.1 and 1.2 for a FIRM maps of the Project locations and FEMA floodplain.

Initially, the proposed project included 23 bulkhead locations. Upon further analysis of the planned locations, it became apparent that one location at the north end of Narraskatuck Creek, which does not contain an existing bulkhead, did not require a hardened shoreline. The shoreline at this location contains a tidal wetland providing a buffer between the waters of Narraskatuck Creek and Montauk Highway to the north. The environmental impacts of constructing a bulkhead at this location outweighed any benefits expected through the installation of a bulkhead and/or hardened shoreline. Therefore, this planned location was eliminated from the proposed project.

The Proposed Activity will result in temporary impacts to 0.872 acres of 100-Year Floodplain and 0.872 acres of National Wetland Inventory (NWI) and (New York State Department of Environmental Conservation (DEC) mapped tidal wetlands and tidal wetland adjacent areas. The Proposed Activity will result in permanent impacts to 0.087 acres of 100-Year Floodplain and 0.087 acres of NWI and DEC-mapped tidal wetlands and tidal wetland adjacent areas. These impacts will consist of the repair and restoration of bulkhead locations to mitigate damage and wave overtopping from future storms. The project will also convert 0.091 acres of impervious surface to pervious open space at the Richmond Avenue location. Potential adverse impacts to the floodplain and wetlands will be weighed against the benefits of the Proposed Activity.

Step Two: Notify the public at the earliest possible time of a proposal to consider an action in a wetland or floodplain (or in the 500-year floodplain for a Critical Action), and involve the affected and interested public in the decision making process.

Because the Project activities would be located in the floodplain, GOSR must publish an early notice that allows the public an opportunity to provide input into the decision to provide funding for the Project activities in this area. Once the early public notice and comment period is complete, GOSR will assess, consider, and respond to the comments received individually and collectively for the Project file, then proceed to Step Three.

A 15-day “Early Notice and Public Explanation of a Proposed Activity in a 100-Year Floodplain”
was published in the Amityville Record, on July 20, 2016. The 15-day period expired on August 4, 2016. The notice addressed residents who live in the floodplain. The notice was also sent to the following state and federal agencies on July 20, 2016: Federal Emergency Management Agency (FEMA), U.S. Department of the Interior (DOI), U.S. Environmental Protection Agency (EPA), U.S. Department of Homeland Security (DHS), U.S Fish and Wildlife Service (FWS); National Park Service (NPS); National Oceanic and Atmospheric Administration (NOAA); NOAA National Marine Fisheries Service (NMFS); U.S. Army Corps of Engineers (USACE); NYS Department Environmental Conservation; the NYS Office of Parks, Recreation and Historic Preservation; NYS Department of Transportation; NYS Office of Emergency Management. The notice was also sent to the Village of Amityville, Town of Babylon and the office of the Suffolk County Executive (see EXHIBIT 2 for the notice).

GOSR received 0 public comments on this notice. See EXHIBIT 4 for the comments received and responses to those comments, if applicable.
Step Three: Identify and evaluate practicable alternatives to locating the proposed action in a floodplain (or the 500-year floodplain for a Critical Action).

After a consideration of the following alternatives, Suffolk County and GOSR have determined the best practicable alternative is the Proposed Action. The alternative actions considered are as follows: No Action, Limited Action Alternative, Alternative Bulkhead Location Options.

No Action Alternative
Under a No Action alternative, conditions of the environment would remain unchanged and still subject to the existing potential for flood-related damage.

Limited Action Alternative
There is no limited action alternative action since the line has specific length.

Alternative Bulkhead Location Options
There are no alternative bulkhead location options proposed in the Project Area. All of the twenty-two locations identified are determined to be most in need of repair or replacement.

Step Four: Identify the potential direct and indirect impacts associated with the occupancy or modification of the floodplain (or 500-year floodplain for a Critical Action) and wetlands.

GOSR has evaluated the alternatives to the proposed Project activities in the floodplain, and has determined that the proposed activities must take place in the floodplain.

Given that the proposed Project components located within the floodplain will not exacerbate flooding, there are no direct or indirect impacts anticipated as a result of the Project activities. The Project seeks to reduce the risk of damage to the Village of Amityville. The twenty-two locations of proposed bulkhead replacements or restoration will prevent future flooding.

The proposed Project actions will have a beneficial outcome for the residents of the Village of Amityville. Implementation of the Project would reduce risk of flooding and increase resiliency by reducing flooding impacts and associated damage to property and prevent wavetopping. The bulkhead improvements will serve to minimize damage and wave topping from future storms. Public health and safety will also be enhanced from providing greater access for emergency operations and vehicles.

None of the bulkhead locations are in designated wetlands. While estuarine subtidal areas consist of deepwater tidal habitats that may contain adjacent tidal wetlands, the total area of potential disturbance from bulkhead replacement or construction would not exceed one acre. No dredging is proposed as a component of project construction, and any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. Incidental dredging that may occur during project activities would be solely for the purpose of recapturing any lost fill during construction. Because no designated wetlands occur at the project locations, the project would not result in effects to wetlands under Executive Order 11990.

Step Five: Where practicable, design or modify the proposed action to minimize the potential adverse impacts within the floodplain (including the 500-year floodplain for a Critical Action) and to restore and preserve its natural and beneficial values.
As proposed, all of the Project activities will be performed within the existing development footprint. Precautions will be taken to prevent sedimentation of the waterway. Prior to construction, a turbidity curtain would be placed on the seaward side of the proposed bulkhead to capture any floating sediments from entering the waterway and allowing them to settle to the bottom of the waterway. The sediment curtain will remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water’s edge.

Initially, the proposed project included 23 bulkhead locations. Upon further analysis of the planned locations, it became apparent that one location at the north end of Narraskatuck Creek, which does not contain an existing bulkhead, did not require a hardened shoreline. The shoreline at this location contains a tidal wetland providing a buffer between the waters of Narraskatuck Creek and Montauk Highway to the north. The environmental impacts of constructing a bulkhead at this location outweighed any benefits expected through the installation of a bulkhead and/or hardened shoreline. Therefore, this planned location was eliminated from the proposed project.

**Step Six: Reevaluate the proposed action to determine: (1) Whether it is still practicable in light of its exposure to flood hazards in the floodplain, the extent to which it will aggravate the current hazards to other floodplains, and its potential to disrupt floodplain values; and (2) Whether alternatives preliminarily rejected at Step Three are practicable in light of the information gained in Steps Four and Five.**

GOSR has reevaluated the proposed action and determined that the Village of Amityville Bulkhead Restoration Project is still practicable in light of its potential exposure to flood hazards in the floodplain. There is no practicable alternative to the proposed action. The Project would repair damaged bulkheads necessary to mitigate the potential of future flooding. Thus, the Project would not aggravate current hazards to the floodplain, nor will the Project disrupt floodplain values. The restoration and replacement of the bulkheads will reduce the risk of flooding and increase resiliency.

GOSR has also reconsidered the alternatives discussed in Step Three and determined the best practicable alternative is the proposed action. There is no practicable alternative to locating the proposed action in the floodplain.

**Step Seven: If the reevaluation results in a determination that there is no practicable alternative to locating the proposal in the floodplain (or the 500-year floodplain for a Critical Action), publish a final notice.**

It is GOSR’s determination that the preferred alternative is the proposed Village of Amityville Bulkhead Restoration Project. Among the numerous benefits of the Project, these include the mitigation of potential flooding, immediate threat to public health, safety and welfare of the Village’s residents. The proposed bulkheads are necessary improvements for the Village of Amityville and the Town of Babylon.

A 7-day “Notice for Final Public Review of a Proposed Activity in a 100-Year Floodplain” was
published in Amityville Record, on **November 23, 2016**. The 7-day period expires on **November 30, 2016**. The notice targeted local residents, including those in the floodplain. The notice was also sent to the following state and federal agencies on **November 23, 2016**: U.S. Department of the Interior (DOI), U.S. Environmental Protection Agency (EPA), U.S. Department of Homeland Security (DHS), U.S Fish and Wildlife Service (FWS); National Park Service (NPS); National Oceanic and Atmospheric Administration (NOAA); NOAA National Marine Fisheries Service (NMFS); U.S. Army Corps of Engineers (USACE); NYS Department Environmental Conservation; the NYS Office of Parks, Recreation and Historic Preservation; NYS Department of Transportation; and NYS Office of Emergency Management. The notice was also sent to the Village of Amityville, Town of Babylon and the office of the Suffolk County Executive (see **EXHIBIT 3** for the notice).

GOSR received **0 public comments** on this notice. See **EXHIBIT 4** for the list of comments received and the response to those comments, if applicable.

**Step Eight: Implement the Action**

Step eight is implementation of the proposed action. GOSR will ensure that all mitigation measures prescribed in the steps above will be adhered to. Also, prior to Project implementation, GOSR will conduct a National Environmental Policy Act (NEPA) review in accordance with 24 CFR Part 58 and a New York State Environmental Quality Review Act (SEQR) review in accordance with 6 NYCRR Part 617.

**FIGURES**

**FIGURE 1**: Regional Project Location Map

**FIGURE 3**: Flood Hazard Map

**EXHIBITS**

**EXHIBIT 1**: Copy of Notice Transmitting Notice of Early Public Review and Proof of Publication

**EXHIBIT 2**: Copy of Notice Transmitting Notice of Final Public Review and Proof of Publication

**EXHIBIT 3**: Public Comments Received and Response, if applicable
Figure 1
Regional Location

Amityville Waterfront Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Amityville Waterfront
Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
LOCATION 1
End Berger Ave.

LOCATION 2
End S. Ketcham Ave.

LOCATION 3
South Bayview Ave.

LOCATION 4
End Coles Ave.

LOCATION 5
End Morris St. (East Side)

LOCATION 6
End Purdy Lane

LOCATION 7
End Bayside Pl.

LOCATION 8
End McDonald Ave.

LOCATION 9
End Bayside Pl.

LOCATION 10
End New Point Pl.

LOCATION 11
End South Bay Ave.

LOCATION 12
Richmond Ave.
Public Dock

LOCATION 13
End Braham Ave.

LOCATION 14
End Stuart Ave.

LOCATION 15
End Lebrun Ave.

LOCATION 16
End Norman Ave.

LOCATION 17
End Copper Ave.

LOCATION 18
End Perkins Ave.

LOCATION 19
End Meadow Lane

LOCATION 20
End Morris St. (West Side)

LOCATION 21
Bayside Canal

LOCATION 22
End McDonald Ave.

LOCATION 23
End Griffing Ave.

LOCATION 24
North End Fleming Canal

LOCATION 25
End Bayside Pl.

LOCATION 26
End Morris St.
(West Side)

LOCATION 27
End Morris St.

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map

Figure 3
Flood Hazard
Amityville Waterfront Resiliency Improvements
EXHIBIT 1 Copy of Notice Transmitting Notice of Early Public Review and Proof of Publication
EARLY NOTICE OF A PROPOSED ACTIVITY
IN A 100-YEAR FLOODPLAIN AND WETLAND

VILLAGE OF AMITYVILLE BULKHEAD RESTORATION PROJECT
TOWN OF BABYLON
SUFFOLK, NEW YORK
JULY 20, 2016

To: All interested Agencies, Groups, and Individuals

This is to give notice that the Governor’s Office of Storm Recovery (GOSR), an office of the New York State Housing Trust Fund Corporation (HTFC), has received an application from the Town of Babylon to fund the Village of Amityville Bulkhead Restoration Project (hereinafter, the “Proposed Activity”) and is conducting an evaluation as required by Executive Order 11988 and Executive Order 11990 in accordance with U.S. Department of Housing and Urban Renewal (HUD) regulations (24 CFR Part 55). There are three primary purposes for this notice. First, to provide the public an opportunity to express their concerns and share information about the Proposed Activity. Second, adequate public notice is an important public education tool. The dissemination of information about floodplains and wetlands facilitates and enhances governmental efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the government determines it will participate in actions taking place in floodplains or wetlands, it must inform those who may be put at greater or continued risk. Funding for the Proposed Activity will be provided by the HUD Community Development Block Grant – Disaster Recovery (CDBG-DR) program for storm recovery activities in New York State.

The Proposed Activity is needed to address damaged public infrastructure. During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the system, causing severe erosion of the shoreline. Homes, businesses, public facilities, and roads south of Montauk Highway (Merrick Road) experienced flooding, downed trees, and power and communications failures. This project would construct, rehabilitate and raise public bulkheads throughout the targeted community. The proposed construction of the necessary bulkhead improvements would serve to minimize damage and wave overtopping from future storms. The bulkheads are located on public property owned by the Village of Amityville, and no private land acquisition is anticipated for the project. The Proposed Activity entails construction of approximately 2,000 linear feet of public bulkhead in the severely damaged areas of the village. A total of twenty-two (22) bulkhead locations (individual project sites) have been identified for repair, replacement or new construction.

The Proposed Activity will result in temporary impacts to 0.872 acres of 100-Year Floodplain and 0.872 acres of National Wetland Inventory (NWI) and (New York State Department of Environmental Conservation (DEC) mapped tidal wetlands and tidal wetland adjacent areas. The Proposed Activity will result in permanent impacts to 0.087 acres of 100-Year Floodplain and 0.087 acres of NWI and DEC-mapped tidal wetlands and tidal wetland adjacent areas. These impacts will consist of the repair and restoration of bulkhead locations to mitigate damage and wave overtopping from future storms. The project will also convert 0.091 acres of impervious surface to pervious open space at the Richmond Avenue location. Potential adverse impacts to the floodplain and wetlands will be weighed against the benefits of the Proposed Activity.

Floodplain maps based on the FEMA Flood Insurance Rate Maps and wetlands maps based on the
NWI and DEC data have been prepared and are available for review with additional information at http://www.stormrecovery.ny.gov/environmental-docs.

Any individual, group, or agency may submit written comments on the Proposed Activity or request further information by contacting Thomas King, Assistant General Counsel and Certifying Officer, Governor’s Office of Storm Recovery, 99 Washington Avenue, Suite 1224, Albany, NY 12260; email: NYSCDBG_Dr_ER@nyshcr.org. Standard office hours are 9:00 AM to 5:00 PM Monday through Friday. For more information call 518-473-0015. All comments received by **August 5, 2016**, will be considered.
STATE OF NEW YORK / ss  
COUNTY OF SUFFOLK  

BARBARA FRISCH of Amityville, Town of Babylon, aforesaid County and State, being duly sworn says that she is the legal advertising manager for the AMITYVILLE RECORD, a newspaper published weekly at AMITYVILLE, New York in the aforesaid Town of Babylon, Suffolk County, and that a notice of which the annexed is a true printed copy, as printed and published in the said newspaper on  

July 20, 2016  

__________________________  

By: Barbara Frisch  
Authorized Designee of Alfred James  

Sworn to before me this 2016 day of July, 2016  

__________________________  

Suffolk County Notary Public  
Alfred James  
NOTARY PUBLIC State of New York  
No. 01JA6012808  
Qualified in Suffolk County  
Commission Expires September 8, 2018
EXHIBIT 2 Copy of Notice Transmitting Notice of Final Public Review and Proof of Publication
EXHIBIT 3: Public Comments Received and Response, if applicable
APPENDIX F – SOLE SOURCE AQUIFER CORRESPONDENCE SEQRA FULL ENVIRONMENTAL ASSESSMENT FORMS
June 22, 2016

Ms. Grace Musumeci  
Chief of the Environmental Review Section  
U.S. Environmental Protection Agency  
Region 2 Main Regional Office  
290 Broadway  
New York, NY 10007-1866

Re: Sole Source Aquifer Analysis – Village of Amityville: Waterfront Resiliency Improvements Project

Dear Ms. Musumeci:

The Governor’s Office of Storm Recovery (“GOSR”), an office of the New York State Homes and Community Renewal’s (“NYSHCR”) Housing Trust Fund Corporation, was established to aid the statewide recovery of disaster-affected communities in New York State. GOSR is administering a U.S. Department of Housing and Urban Development (“HUD”) Community Development Block Grant for Disaster Recovery (“CDBG-DR”), including the New York Rising Community Reconstruction (“NYRCR”) Program.

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. Homes, businesses, public facilities, and roads south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures.

GOSR received a funding application for the proposed construction, repair, or replacement of bulkheads along the shoreline of the Village of Amityville, Suffolk County, NY. The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The bulkhead improvements would serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms.

PROJECT DESCRIPTION

As depicted in Figure 1 of Attachment 1, the project area is located in the Village of Amityville and is bordered by Massapequa in Nassau County to the west, the Great
South Bay to the south, the Hamlet of Copiague to the east, and North Amityville to the north.

The proposed project would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the village. A total of 22 bulkhead locations (individual project sites) were identified for repairs, replacement, or new construction. Locations were selected based on an assessment of the bulkheads most in need of improvement, engineering feasibility, and a determination of which projects would most increase resiliency. Figure 2 of Attachment 1 depicts the selected locations for bulkhead improvements within the project area. Construction would involve removal of the existing damaged wooden bulkheads and the replacement with new vinyl bulkheads in same location.

ANALYSIS

The project bulkheads are located along the shoreline of the Village of Amityville, protecting largely residential and highly developed land. Project implementation is conditioned upon issuance of applicable federal and state permits, and construction will be performed in accordance with federal and state permit conditions. Construction methods would include mitigation measures to reduce potential impacts on water quality. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead. The project will repair existing public infrastructure and does not involve siting a facility that would generate hazardous waste that could percolate through soil or cause pollution to waterways, creating a hazard to the Nassau/Suffolk Sole Source Aquifer.

Pursuant to the Disaster Relief Appropriations Act, 2013 (Public Law 113-2) and the Housing and Community Development Act (42 U.S.C. § 5301 et seq.), GOSR is acting under the auspices of New York State Homes and Community Renewal’s Housing Trust Fund Corporation as a recipient of CDBG-DR funds from HUD and is the entity responsible for compliance with the HUD NEPA environmental review procedures set forth in 24 C.F.R. Part 58. Pursuant to 24 C.F.R. Part 58, GOSR reviews projects for conformance with the Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300(f) et seq., and 21 U.S.C. 349) as amended, and the Environmental Protection Agency (“EPA”) regulations pertaining to Sole Source Aquifers found at 40 C.F.R. Part 149.

In accordance with the Memorandum of Understanding (“MOU”) between EPA and HUD dated August 24, 1990, GOSR hereby requests an Initial Screen/Preliminary Review for the Village of Amityville: Waterfront Resiliency and Bulkhead Improvements Project. Please review the attached documentation, including Attachment 2.A to the MOU.
Responses can be sent to me via email at lori.shirley@nyshcr.org. In accordance with the MOU, a non-response within fifteen days shall constitute a favorable review of the project/activity. If you have any questions, please feel free to contact me at (518) 474-0755. Thank you for your consideration and cooperation.

Sincerely,

Lori A. Shirley  
Deputy Director  
Bureau of Environmental Review and Assessment  
Governor's Office of Storm Recovery  
38-40 State Street, Hampton Plaza  
Albany, New York 12207

Enclosed Attachments:
1) Project Maps (depicting project area location and detailed locations of proposed bulkhead construction with drinking water wellheads located within ½ mile)
2) Attachment 2.A to the MOU
Figure 1 – Project Location
Figure 2 – Detailed Locations of Proposed Bulkhead Construction within the Village of Amityville
ATTACHMENT 2.A

NON-HOUSING/PROJECT ACTIVITY INITIAL SCREEN CRITERIA

The following list of criteria questions are to be used as an initial screen to determine which non-housing projects/activities should be forwarded to the Environmental Protection Agency (EPA) for Preliminary Sole Source Aquifer (SSA) Review. (For housing projects/activities see Attachment 2.B). If any of the questions are answered affirmatively, Attachment 3, SSA Preliminary Review Requirements, should also be completed. The application/final statement, this Attachment, Attachment 3, and any other pertinent information should then be forwarded to EPA at the address below.

Any project/activity not meeting the criteria in this Attachment, but suspected of having a potential adverse effect on the Sole Source Aquifer should also be forwarded.

<table>
<thead>
<tr>
<th>CRITERIA QUESTIONS</th>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Is the project/activity located within a currently designated or proposed groundwater sensitive area such as a special Ground Water Protection Area, Critical Supply Area, Wellhead Protection Area, etc.? [This information can be obtained from the County or Regional Planning board, the local health department, the State health department or the State environmental agency.]</td>
<td>☒</td>
<td>☑</td>
<td>☐</td>
</tr>
<tr>
<td>2. Is the project/activity located within a one half mile radius (2640 feet) of a current or proposed public water supply well or wellfield? [This information can be obtained from the local health department, the State health department or the State environmental agency.]</td>
<td>☐</td>
<td>☑</td>
<td>☐</td>
</tr>
</tbody>
</table>
3. Will the project/activity include or directly cause (check appropriate items):

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>construction or expansion of solid waste disposal, recycling or conversion facilities</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
</tr>
<tr>
<td>construction or expansion or closure of landfills</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
</tr>
<tr>
<td>construction or expansion of water supply facilities</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
</tr>
<tr>
<td>construction or expansion of on-site wastewater treatment plants or sewage trunk lines</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
</tr>
<tr>
<td>construction or expansion of gas or petroleum trunk lines greater than 1320 feet</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
</tr>
<tr>
<td>construction or expansion of railroad spurs or similar extensions</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
</tr>
<tr>
<td>construction or expansion of municipal sewage treatment plants</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
</tr>
</tbody>
</table>

4. Will the project/activity include storage or handling of any hazardous constituents as listed in Attachment 4, Hazardous Constituents

5. Will the project/activity include bulk storage of petroleum in underground or above ground tanks in excess of 1100 gallons? (Please give what assurance they are done in a proper manner.)

6. Will the project/activity require a federal or state discharge elimination permit or modification of an existing permit?
This attachment was completed by:

<table>
<thead>
<tr>
<th>Name</th>
<th>Lori A. Shirley</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>Certifying Environmental Officer</td>
</tr>
<tr>
<td>Address</td>
<td>38-40 State Street, Hampton Plaza</td>
</tr>
<tr>
<td></td>
<td>Albany, New York 12207</td>
</tr>
<tr>
<td>Telephone number</td>
<td>(518)474-0755</td>
</tr>
<tr>
<td>Date</td>
<td>June 22, 2016</td>
</tr>
</tbody>
</table>
AUG - 3 2017

Ms. Lori A. Shirley
Deputy Director, Bureau of Environmental Review
and Assessment
Governor’s Office of Storm Recovery
New York State Homes & Community Renewal
38-40 State Street, Hampton Plaza
Albany, NY 12207

Dear Ms. Shirley:

This is in response to your letter dated June 22, 2016 requesting a Sole Source Aquifer (SSA) review of the proposed “Amityville/Copiague Waterfront Resiliency Improvements Project” to be located in the Village of Amityville, Suffolk County, New York. The project is to receive funding from the U.S. Department of Housing and Urban Development’s Community Development Block Grant – Disaster Recovery program (CDBG-DR). The project is located in the Long Island Nassau/Suffolk Aquifer System, designated by the Environmental Protection Agency (EPA) as a Sole Source Aquifer on June 21, 1978 (citation 43 FR 26611). Therefore, our review has been conducted in accordance with Section 1424(e) of the Safe Drinking Water Act (SDWA).

The information provided states that the Village of Amityville was hit with an eight-foot storm surge during Superstorm Sandy, which overtopped existing bulkheads throughout the community causing severe erosion of the shoreline. The information provided goes on to state that homes, businesses, public facilities, and roads south of Montauk Highway (also called Merrick Road) experienced flooding, downed trees, and power and communications failures. We understand that the proposed project aims to rehabilitate and raise bulkheads on public property along the shoreline of the Village of Amityville, protecting largely residential and highly developed land; the bulkhead improvements would serve to repair damaged public infrastructure and to minimize damage and wave overtopping during future storm events.

Approximately 2,000 linear feet of new public bulkhead would replace damaged wooden bulkhead at 22 separate locations along the shore of the Village of Amityville. Locations were selected in areas where bulkheads had been most damaged and where resiliency would be most enhanced by the new installations. Construction involves removal of the existing damaged wooden bulkheads and the replacement with new vinyl bulkheads in the same location. The bulkhead itself consists of a corrugated vinyl sheet – from ¼-inch to ¾-inch in thickness – that is
sandwiched between two planks of wood. We understand that the wood itself is coated with a water-resistant polymer. The bulkhead will be anchored at its base by being driven into the shorebed – typically by means of a vibratory compactor in combination with a water jet that opens a path in the shorebed silt. The bulkhead will be held in place near the top by a “tie back” – a galvanized steel cable that is tied typically to a block of concrete buried in fill on land.

We note that construction will be performed in accordance with federal and state permit conditions, and that construction methods will include mitigation measures to reduce potential impacts on water quality. The information provided states that prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. In addition, although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead will be performed using a clam shell dredge and no fill would be side cast. We understand that all fill will be cast landward of the bulkhead. We recommend planting native vegetation in the project area to the extent feasible. Please see our recommendations below on environmentally-friendly landscaping as well as on stormwater and Low Impact Development.

Based on the information provided, the project satisfies the requirements of Section 1424(e) of the SDWA. Please be advised that meeting the requirements of 1424(e) does not preclude the need to meet National Environmental Policy Act (NEPA) requirements to address direct, indirect, and cumulative impacts. This review does not constitute a review under Section 309 of the Clean Air Act; EPA therefore reserves the right to review additional environmental documents on this project.

EPA offers the following for your consideration to reduce environmental impacts and to create a more sustainable project.

**Clean Diesel:**
Implement diesel controls, cleaner fuel, and cleaner construction practices for on-road and off-road equipment used for transportation, soil movement, or other construction activities, including:

- Strategies and technologies that reduce unnecessary idling, including auxiliary power units, the use of electric equipment, and strict enforcement of idling limits; and
- Use of clean diesel through add-on control technologies like diesel particulate filters and diesel oxidation catalysts, repowers, or newer, cleaner equipment.


**Stormwater:**
We emphasize the importance of Low Impact Development (LID) principles such as minimizing effective imperviousness to create site drainage, and the planting of native and non-invasive vegetation on the project site for stormwater management purposes. Other LID practices can include bioretention facilities, rain gardens, vegetated rooftops, rain barrels, and permeable pavements. For further information, please see the following website: [http://water.epa.gov/polwaste/green/](http://water.epa.gov/polwaste/green/)
Encourage cost-efficient, environmentally friendly landscaping:
There are many benefits to making greener landscaping choices. For additional information, please see the following website:
http://www2.epa.gov/greenerproducts/identifying-greener-landscaping-choices

Energy-Efficiency:
Energy-efficient technologies should be incorporated into all aspects of the project. Please see the following website: http://www.energystar.gov

If you have any questions concerning this matter or would like additional information, please feel free to contact Rajini Ramakrishnan of my staff at (212) 637-3731.

Sincerely yours,

Grace Musumeci, Chief
Environmental Review Section
APPENDIX G – AIR QUALITY SCREENING ASSESSMENT
Evaluation of de minimis Levels for General Conformity of Construction Projects with New York State Implementation Plans

The conformity requirements of the CAA and regulations promulgated thereunder (conformity requirements) limit the ability of federal agencies to assist, fund, permit, and approve projects in non-attainment areas that do not conform to the applicable SIP. When subject to this regulation, the lead agency is responsible for demonstrating conformity for its proposed action. Conformity determinations for federal actions other than those related to transportation plans, programs, and projects that are developed, funded, or approved under title 23 U.S.C. or the Federal Transit Act (49 U.S.C. 1601 et seq.) must be made according to the requirements of 40 CFR 93, Subpart B (federal general conformity regulations).

The general conformity regulations apply to those federal actions in non-attainment or maintenance areas where the action’s direct and indirect emissions have the potential to emit one or more of the six criteria pollutants at rates equal to or exceeding the prescribed rates.

General conformity de minimis threshold levels for the non-attainment and maintenance areas in New York State are presented in Table 1.

<table>
<thead>
<tr>
<th>Non-Attainment Area and Pollutants</th>
<th>Threshold (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ozone, other non-attainment areas inside an ozone transport region: volatile organic compounds (VOC)</td>
<td>50</td>
</tr>
<tr>
<td>nitrogen oxides (NOₓ)</td>
<td>100</td>
</tr>
<tr>
<td>carbon monoxide (CO), maintenance areas: direct emissions</td>
<td>100</td>
</tr>
<tr>
<td>inhalable particulate matter (PM₁₀), nonattainment areas: direct emissions</td>
<td>100</td>
</tr>
<tr>
<td>fine particulate matter (PM₂.₅), maintenance areas: direct emissions</td>
<td>100</td>
</tr>
<tr>
<td>SO₂</td>
<td>100</td>
</tr>
</tbody>
</table>

**Source:** 40 CFR § 93.153(b)

**Notes:** NOₓ and VOCs also limited at 100 tpy in PM₂.₅ maintenance areas, but ozone requirements are stricter.

The general conformity requirements do not apply to federal actions that:

≠ Do not satisfy either one of the above conditions (where the action’s direct and indirect emissions have the potential to emit one or more of the six criteria pollutants at rates
equal to or exceeding the threshold levels above within a non-attainment or maintenance area);
≠ Occur in an attainment area;
≠ Are related to transportation plans, programs, and projects developed, funded, or approved under Title 23 U.S.C. or the Federal Transit Act (49 U.S.C. 1601); or
≠ Qualify for exemptions established at 40 CFR Part 93.153.

The regulation assumes that a proposed federal action whose criteria pollutant emissions have already been included in the local SIP’s attainment or maintenance demonstrations conforms to the SIP.

Most construction work would not require a general conformity evaluation, since construction activity in general is included in the SIP estimates, based on past activity levels and assumptions regarding growth in future years. However, there may be projects which are not considered to be included in the SIP if they were beyond the scope of what was anticipated during SIP preparation. If a project is not included in the SIP or there is uncertainty regarding its inclusion, a preliminary evaluation of emissions may be sufficient to demonstrate that the project’s emissions would be de minimis under the above general conformity regulations. If that is the case, a detailed conformity analysis and determination would not be required. The following analysis provides a simplified approach to preliminary evaluation, based on construction expenditure.

As a conservative estimate, the analysis below assumes that the emissions intensity per expenditure (tons per dollar) for the project would be similar to the average intensity of the construction sector in the county. This would not be applicable for projects with higher intensity (emissions per dollar) such as large infrastructure projects or intense development projects including substantial excavation and foundations work. Given this and other limitations of this analysis, it is recommended that this approach not be seen as definitive if the results are not clearly de minimis. In such cases, a more refined approach may be needed.

Construction expenditure data is available from the U.S. Census Bureau’s 2007 Survey of Business Owners. Since the expenditure data represent firms by their location and not necessarily the location where construction takes place, applying this data at the county level may skew the results in some cases. As a broader estimate, we have categorized the expenditure as ‘upstate’ and ‘downstate’, reflecting the higher cost of construction in the downstate area. Downstate counties include Bronx, Kings, Nassau, New York, Orange, Queens, Richmond, Rockland, Suffolk, and Westchester. Total construction expenditure in 2007 was approximately 23.1 billion dollars in the upstate area, and 71.8 billion in the downstate area.

Construction emissions by county for the year 2007 were obtained from the New York State Department of Environmental Conservation (NYSDEC). The fraction each de minimis emissions level represents of total regional emissions was calculated for each pollutant and area (upstate and downstate). The fraction of construction expenditure in each area equivalent to

---

2 NYSDEC. 2007 SIP data. (provided by DEC, 2014)
those emission fractions were then calculated, representing de minimis project construction expenditures which would be equivalent to de minimis emissions.

For example, the downstate VOC emissions were 2,401.6 tons per year (tpy), and the relevant de minimis VOC emissions are 50 tpy; therefore—

\[
\text{de minimis as fraction of total emissions: } \frac{50 \text{ tpy}}{2,401.6 \text{ tpy}} = 2.08% \\
\text{de minimis fraction of total expenditure: } 2.08\% \times \$71.8 \text{ bn} = \$1.5 \text{ bn}
\]

The total SIP emissions by pollutant and region and the resulting average project expenditure equivalent to de minimis levels are presented in Table 2.

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Region</th>
<th>2007 SIP Emissions (tpy)</th>
<th>De Minimis (tpy)</th>
<th>Average Construction De Minimis Expenditure (million $)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC</td>
<td>Downstate</td>
<td>2,401.6</td>
<td>50</td>
<td>1,496</td>
</tr>
<tr>
<td></td>
<td>Upstate</td>
<td>1,464.3</td>
<td>50</td>
<td>789</td>
</tr>
<tr>
<td>NOx</td>
<td>Downstate</td>
<td>16,332.1</td>
<td>100</td>
<td>440</td>
</tr>
<tr>
<td></td>
<td>Upstate</td>
<td>9,745.2</td>
<td>100</td>
<td>237</td>
</tr>
<tr>
<td>CO</td>
<td>Downstate</td>
<td>17,522.1</td>
<td>100</td>
<td>410</td>
</tr>
<tr>
<td></td>
<td>Upstate</td>
<td>11,746.2</td>
<td>100</td>
<td>197</td>
</tr>
<tr>
<td>PM_{10}</td>
<td>Downstate</td>
<td>1,489.6</td>
<td>100</td>
<td>4,823</td>
</tr>
<tr>
<td>PM_{2.5}</td>
<td>Downstate</td>
<td>1,442.3</td>
<td>100</td>
<td>4,981</td>
</tr>
<tr>
<td>SO_{2}</td>
<td>Downstate</td>
<td>1,251.9</td>
<td>100</td>
<td>5,738</td>
</tr>
</tbody>
</table>

Notes: Only relevant pollutants by area are presented; see Table 3 for details.

Based on the above analysis, projects with projected construction expenditure substantially lower than the average construction de minimis expenditure would clearly not exceed de minimis emissions levels for general conformity purposes. Table 3 identifies the minimum de minimis expenditure threshold in each county, based on the lowest level for all nonattainment or attainment maintenance areas within which the county is located. For example, New York County is in 4 nonattainment/maintenance areas; of all the pollutants relevant to those areas, the CO de minimis emissions have the lowest corresponding construction expenditure of 410 million dollars. Standard construction projects in Manhattan with construction expenditure substantially lower than 410 million dollars in New York County would not exceed the de minimis level for any of the relevant pollutants and would not require any further analysis or conformity determination. For projects with components in more than one county, use the lowest threshold for all counties (if that exceeds de minimis levels, this can be refined by reviewing all appropriate pollutants based on the nonattainment/maintenance areas identified in Table 3, the appropriate pollutant for the area type from Table 1, and the de minimis expenditure for each pollutant from Table 2).
# Evaluation of De Minimis Levels for General Conformity of Construction Projects with New York State Implementation Plans

## Table 3

<table>
<thead>
<tr>
<th>County</th>
<th>Nonattainment / Maintenance Area</th>
<th>Critical Pollutant</th>
<th>De Minimis Expenditure Threshold (million $)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ozone</td>
<td>CO</td>
<td>PM$_{2.5}$</td>
</tr>
<tr>
<td><strong>Upstate:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Albany</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erie</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genesee</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greene</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Livingston</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monroe</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Montgomery</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Niagara</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Onondaga</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ontario</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orleans</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rensselaer</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saratoga</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schenectady</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schoharie</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wayne</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Downstate:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bronx</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dutchess</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kings</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nassau</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New York</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orange</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Putnam</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Queens</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richmond</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rockland</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suffolk</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Westchester</td>
<td>¬</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*
Air Emissions Information

PROJECT NAME _________________________________
LOCATION (COUNTY, STATE)_____________________
FOR CALENDAR YEAR ___________________________
Estimated Construction Start Date: ______________ End Date: ______________

A. ON-ROAD VEHICLES

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>VEHICLE TYPE</th>
<th># OPERATING</th>
<th>ON / OFF SITE</th>
<th>GVWR PER VEHICLE</th>
<th>TOTAL MILES PER VEHICLE</th>
<th>TOTAL MILES ALL VEHICLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: Demolition</td>
<td>Truck</td>
<td>2</td>
<td>ON</td>
<td>33,000</td>
<td>36</td>
<td>72</td>
</tr>
</tbody>
</table>

B. OFF-ROAD VEHICLES

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>EQUIPMENT TYPE</th>
<th># OPERATING</th>
<th>HORSE-POWER</th>
<th>GAS/ Diesel</th>
<th>TOTALHRS PER VEHICLE</th>
<th>TOTAL HRS ALL VEHICLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: Site Clearing</td>
<td>Backhoe</td>
<td>3</td>
<td>90</td>
<td>Diesel</td>
<td>80</td>
<td>240</td>
</tr>
</tbody>
</table>

Notes:
1. If construction occurs over more than one calendar year, provide a separate table for each calendar year.
2. For ACTIVITY, include a short description of the type of activity
   - On-Road examples: workers commuting to/from job site, materials deliveries, material movement to site, etc.
   - Off-Road examples: site clearing, demolition, excavation, construction, material placement, etc.
3. For EQUIPMENT
   - On-Road examples: auto, pickup truck (gas or diesel), heavy trucks (gas or diesel), etc.
   - Off-road examples: crane, backhoe, dozer, mixer, chain saw, forklift, etc.
4. Specify whether the on-road vehicles listed are being used for transportation to/from site, or are used exclusively on the site, as this will affect the emission estimates.
5. Specify the Gross Vehicle Weight Ratings for any on-road heavy-duty diesel vehicles, as these are necessary to determine the correct emissions factors.
6. For worker commutation, the number of vehicles and miles traveled can be estimated by using any available data to estimate commuting distance, carpool rates, etc., (e.g., Census Journey-to-Work data).
APPENDIX H – ENVIRONMENTAL SITE REMEDIATION DATABASE SEARCH DETAILS
Environmental Remediation Databases Details

Site Record

Administrative Information

Site Name: Gent Uniform Rental Service
Site Code: 130056
Program: State Superfund Program
Classification: 02
EPA ID Number:

Location

DEC Region: 1
Address: 5680 Merrick Road
City: Massapequa Zip: 11758
County: Nassau
Latitude: 40.66891276
Longitude: -73.42886957
Site Type: STRUCTURE
Estimated Size: 0.4 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Frank Urbinati, Jr.
Current Owner(s) Address: 5680 Merrick Road
Massapequa, NY, 11758

Owner(s) during disposal: FRANK URBINATI, JR.
Current On-Site Operator: Frank Urbinati, Jr.
Stated Operator(s) Address: 5680 Merrick Road
Massapequa, NY 11758

Site Document Repository

Name: Massapequa Public Library
Address: 40 Harbor Lane
Massapequa, NY 11762

Hazardous Waste Disposal Period

From: 1979 To: unknown

Site Description
Location: The Gent Uniform site is located at 5680 Merrick Road in Massapequa, Town of Oyster Bay, Nassau County. The site is bordered on the north by Merrick Road, to the east by Stone Boulevard, and south and west by commercial properties. Site Features: The site is approximately 0.3 acres in size and is developed with one, two-story masonry building and an asphalt paved parking and loading area. Current Zoning and Land Use: The site is currently used as a commercial laundry and uniform supply business, and is zoned GB - General Business use. The site is located in a mixed use commercial/residential area. Land use along Merrick Road is predominantly commercial and neighboring roads to the north and south are predominantly residential. Operable Units: The site was divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. Operable unit 1 (OU1) is the on-site source area. OU2 consists of the off-site groundwater and soil vapor contamination attributable to the site. Past Use of the Site: Dry cleaning operations were initiated on site in 1979 and the dry cleaning machine was removed from the site in 1998. Uniforms are no longer cleaned with solvents and are now cleaned with detergents only. The Nassau County Department of Health began an investigation in this area in response to finding tetrachloroethene in the tap water at the commercial property directly to the south of the site at a level of 300,000 parts per billion (ppb). Use of this well was discontinued and the building was connected to public water. Investigations completed in 1989 and 1990 found high levels of tetrachloroethene in groundwater located in the southwest corner of the Gent property. Subsequent groundwater sampling conducted by Department in the fall of 1996 revealed high levels of tetrachloroethene in soils and shallow groundwater beneath the Gent building. Historical discharges of tetrachloroethene (PCE) were discovered to have occurred as a result of a corroded fitting on a grease trap, which caused a release to the former sanitary system located beneath the western side of building. A removal effort was performed by the owner to remove soils surrounding the grease trap. An air sparge/soil vapor extraction system (AS/SVE) was installed not under the Departments oversight by the owner in 1997 in the vicinity of the former cesspool beneath the building and operated on a periodic basis. The responsible party signed a Consent Order on December 31, 2001 and agreed to do a supplemental investigation to confirm the effectiveness of the on-site removal effort and to investigate the off-site groundwater. A Remedial Investigation required by the consent order found that soil samples were within applicable soil cleanup objectives (SCO)s, that on-site groundwater improved significantly (410 ppb of PCE), and that additional off-site groundwater sampling was necessary to determine nature and extent of contamination. The Record of Decision for on-site contamination was issued in March 2005 that required the restarting of the AS/SVE system as the primary component of the on-site remedy. Site Geology and Hydrogeology: The site is
nearly completely covered with buildings or pavement. Subsurface soil is unconsolidated glacial outwash deposits consisting of mostly sand and gravel. These glacial outwash deposits are approximately 80 feet thick with a clay confining layer encountered at approximately 80 feet. Groundwater at the site was measured at 10 feet below ground surface (approximately 3 feet above mean sea level). Groundwater flows southwest, toward Carmans River, a saltwater river. The estimated average groundwater velocity is approximately 0.52 ft/d or 190 feet per year. The closest downgradient surface water body to the site is Carmans River which empties into Great South Bay, a saltwater body south of Long Island. Great South Bay is located approximately one mile south of the site. Two saltwater rivers, Carmans River and Narraskatuck River, which both empty into the Great South Bay, are located approximately 900 feet to the west and 1,100 feet to the east, respectively from the site.

**Contaminants of Concern (Including Materials Disposed)**

**Contaminant Name/Type**
- trichloroethene (TCE)
- tetrachloroethene
- tetrachloroethene (PCE)

**Site Environmental Assessment**

Nature and Extent of Contamination: For OU1: On-Site Areas Based upon investigations conducted to date, the primary contaminant of concern for OU1 is tetrachloroethene (PCE) and its associated degradation products. Past site operations have contaminated soil, soil vapor and groundwater beneath the building with tetrachloroethene. Limited soil removal was done without Department oversight. On-site soil, soil vapor and groundwater have been treated by an air sparge/soil vapor extraction (AS/SVE) system. Based on the results of previous investigations, there is some limited on-site groundwater contamination remaining in the southwestern portion of the site. The ROD for OU1 requires continued operation of the AS/SVE system. The majority of the on-site contamination has been remediated. Soil - All soil samples collected during the RI that was conducted after the AS/SVE system was operational were shown to be below applicable SCOs. Soil Vapor - PCE was detected at a concentration of 6,800 micrograms per cubic meter (ug/m3) underneath the building. Groundwater - PCE and its associated degradation products are found in groundwater at the site exceeding groundwater standards (typically 5 ppb). The highest detection of PCE in groundwater migrating off-site was at MW-1RR (921 ppb). Analysis of deeper groundwater samples taken from MW-3A (86' bgs) indicated PCE contamination in the groundwater at 146 ppb. For OU2: Off-site Areas The primary contaminant of concern for OU2 is PCE and its associated
degradation products. Soil - Soil contamination was not identified in OU2. Groundwater - PCE and its associated degradation products are migrating in groundwater from the site towards Carmans River, a saltwater river, approximately 1,500 feet southwest of the site exceeding groundwater standards. PCE concentrations in OU2 groundwater diminish slightly from the highest detection at MW-1RR (921 ppb), to the next highest detection at MW-10 (760 ppb). Concentrations in groundwater continue to diminish as groundwater moves through the residential neighborhood southwest of the site (146 ppb at MW-14). Surface Water - Surface water in the Carmans River was investigated during the RI. VOCs were not detected and no impact was identified. Soil Vapor and Indoor Air - Based on an evaluation of soil vapor and indoor air samples collected from six residences within the OU2 VOC plume, no further action for these properties is required for soil vapor. Based on the data collected from an adjacent unoccupied commercial structure, no further action was recommended. However, additional sampling is recommended prior to the structure being re-occupied. In OU2, downgradient of the adjacent unoccupied commercial structure, PCE is present in groundwater which is overlain by un-impacted groundwater, thus limiting the potential for contamination of soil vapor in OU2.

Site Health Assessment

People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Since the site is covered by pavement and a building, contact with contaminated groundwater and residual contaminated soils is unlikely unless people dig below the ground surface. Volatile organic compounds in the contaminated groundwater or soil may move into the soil vapor (air spaces within the soil), which in turn, may move into overlying buildings and affect indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. There is a potential for soil vapor intrusion to impact indoor air quality in the on-site building and in the adjacent off-site commercial structure. However, it is expected that the continuous operation of an on-site Air Sparge/Soil Vapor Extraction system will prevent sub-slab soil vapors from entering the on-site building. The potential for soil vapor intrusion to impact indoor air quality does not represent a current concern in the off-site commercial structure because it is vacant.

For more Information: E-mail Us
Environmental Site Remediation Database Search
Details

Site Record

Administrative Information
Site Name: 5680 Merrick Road - Gent Cleaners
Site Code: V00093
Program: Voluntary Cleanup Program
Classification: N *
EPA ID Number:

Location
DEC Region: 1
Address: 5680 Merrick Road
City: Massapequa  Zip: 11758
County: Nassau
Latitude: 40.66925853
Longitude: -73.42879355
Site Type:
Estimated Size: 0 Acres

Site Owner(s) and Operator(s)
Current Owner Name: LAFRA REALTY CORPORATION
Current Owner(s) Address: 5680 MERRICK ROAD
                         MASSAPEQUA,NY, 11758
Current On-Site Operator: GENT UNIFORM RENTAL CORPORATION
Stated Operator(s) Address: 5680 MERRICK ROAD
                          MASSAPEQUA,NY 11758

Site Description
see 130056

Contaminants of Concern (Including Materials Disposed)
Contaminant Name/Type
*Class N Sites:* "DEC offers this information with the caution that the amount of information provided for Class N sites is highly variable, not necessarily based on any DEC investigation, sometimes of unknown origin, and sometimes is many years old. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

For more Information: E-mail Us

Return To Results

Refine This Search
Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 1
Spill Number: 1505962

Spill Date/Time

Spill Date: 09/03/2015  Spill Time: 01:30:00 PM
Call Received Date: 09/03/2015  Call Received Time: 02:34:00 PM

Location

Spill Name: RESIDENCE
Address: 56 HARBOR DRIVE NORTH
City: AMITYVILLE  County: Suffolk

Spill Description

Material Spilled  Amount Spilled  Resource Affected
transformer oil  1 Gal.  Unknown

Cause: Equipment Failure
Source: Transformer
Waterbody:

Record Close

Date Spill Closed: 10/27/2015
"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search
Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 1
Spill Number: 1506254

Spill Date/Time

Spill Date: 09/13/2015   Spill Time: 10:29:00 AM
Call Received Date: 09/13/2015   Call Received Time: 10:29:00 AM

Location

Spill Name: BEACH
Address: NEAR 334 SOUTH BAYVIEW AVE
City: AMITYVILLE   County: Suffolk

Spill Description

Material Spilled Amount Spilled Resource Affected
raw sewage   UNKNOWN   Soil, Surface Water

Cause: Unknown
Source: Unknown
Waterbody: WOODS CREEK GREAT ST

Record Close

Date Spill Closed: 09/14/2015
"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.
Spill Incidents Database Search Details

Spill Record

Administrative Information
DEC Region: 1
Spill Number: 1602829

Spill Date/Time
Spill Date: 06/21/2016   Spill Time: 12:00:00 PM
Call Received Date: 06/21/2016   Call Received Time: 01:00:00 PM

Location
Spill Name: SECURITY DODGE
Address: 345 MERRICK RD
City: AMITYVILLE   County: Suffolk

Spill Description
Material Spilled   Amount Spilled   Resource Affected
waste oil/used oil   5 Gal.   Sewer

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody: Record Close
Date Spill Closed: 07/01/2016
"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search
Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 1
Spill Number: 1508232

Spill Date/Time

Spill Date: 11/08/2015    Spill Time: 03:30:00 AM
Call Received Date: 11/08/2015    Call Received Time: 03:30:00 AM

Location

Spill Name: INTERSECTION
Address: MERRICK RD/RICHMOND
City: AMITYVILLE    County: Suffolk

Spill Description

Material Spilled Amount Spilled Resource Affected
transformer oil    50 Gal.    Sewer

Cause: Traffic Accident
Source: Transformer
Waterbody: Record Close

Date Spill Closed: 05/31/2016

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.
The purpose of this Negative Declaration is to evaluate environmental impacts from the proposed Waterfront Resiliency Improvements project located within the Village of Amityville. The project is being issued as a Type 1 SEQRA classification due to the fact that it meets at least one of the Type I thresholds in 6 NYCRR 617.4.

The Proposed Project: The Town of Babylon is proposing to construct approximately 2,000 linear feet of damaged bulkheads at 22 various publicly-owned locations throughout the Village of Amityville in the Town of Babylon, Suffolk County, New York (see Figure 1). The locations of the 22 individual project sites are depicted in Figure 2. The proposed project would repair damaged public infrastructure to restore and improve the structural integrity of public infrastructure to prevent erosion and protect roadways, residential communities, municipal resources, and local businesses from future flood damage.

During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community and caused erosion of the shorelines at municipally-owned properties and roadways. Homes, businesses, public facilities, and roads south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures. The proposed project would rehabilitate and raise public bulkheads throughout the Village of Amityville. The proposed construction of the necessary bulkhead improvements would serve to minimize the damage caused wave overtopping during future storms.
Based on an assessment of the locations most in need of improvement, weighing which locations would most improve resiliency during future storms, engineering feasibility, and following a determination of available funding, a total of 22 individual bulkhead locations have been identified for repair, replacement or new construction. Of the 22 locations, project activities at 19 locations would consist of the reconstructions of existing bulkheads. Three locations (Sites 18, 19 and 22 in Table 1) would receive new bulkheads. All 22 bulkheads are located on public property owned by the Village of Amityville.

The total acreage of disturbance from the proposed bulkhead construction and repairs would be approximately 0.872 acres. Approximately 2 cubic yards of fill for each of the 19 locations with existing bulkheads may be required in order to raise the grade behind the bulkhead. For the three locations to receive new bulkheads, up to 10 cubic yards of fill may be required to support the bulkheads. All project activities are to be carried out in a manner consistent with the terms and conditions of the federal, state, and local permits.

Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkheads would be for the purpose of recapturing any lost fill during construction and would be performed using a clam shell dredge. No fill would be side cast. All fill would be cast landward of the bulkheads.

Throughout project implementation, precautions would be taken to prevent sedimentation of the associated waterways. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column. To prevent loose materials and/or leaking equipment from contaminating the waterway, no storage of equipment or materials would occur near the water's edge.

The selected locations of bulkhead improvements are located along the shoreline of Narraskatuck Creek, Amityville Creek and Woods Creek. Figure 2 details the locations of the individual project locations. Table 1 provides further detail of the proposed activities at each individual bulkhead.

Initially, the proposed project included 23 bulkhead locations. Upon further analysis of the planned locations, it became apparent that one location at the north end of Narraskatuck Creek, which does not contain an existing bulkhead, did not require a hardened shoreline. The shoreline at this location contains a tidal wetland providing a buffer between the waters of Narraskatuck Creek and Montauk Highway to the north. The environmental impacts of constructing a bulkhead at this location outweighed any benefits expected through the installation of a bulkhead and/or hardened shoreline. Therefore, this planned location was eliminated from the proposed project.

The bulkhead reconstruction proposed along the public park known as Richmond Park (Location 12 in Table 1) will include additional to enhance this important local resource. The park itself consists of an empty lot previously paved with asphalt, which is now deteriorating. The existing bulkhead was compromised and is now in disrepair as a result of damage from Superstorm Sandy. The existing storm water drainage system was intended to support both the park and the end of Richmond Avenue to the northwest; nonetheless, rainfall continues to accumulate on the asphalt surface of the park. In addition to the proposed bulkhead replacement, this site would be improved through the following interventions: removal of the existing asphalt surface; installation of a new catch basin with a check valve to redirect surface runoff from Richmond Avenue; resurfacing of the park with sod intended to contain storm water within the park; construction of a new, ADA accessible boardwalk would be installed along the inside perimeter of the park; and installation of a removable gate and permeable pavers to provide access for maintenance and emergency service vehicles. Benefits derived through the implementation of the proposed project would increase the resiliency of neighborhoods and roads adjacent to the bulkheads and reduce the risk of flooding and flood damage from future storms.
Economic benefits would accrue to neighboring communities through the creation of temporary jobs and retention of maintenance jobs related to the design and construction of the waterfront resiliency improvements. In addition, the project would preserve real estate values, decrease homeowner costs of loss or damage to personal property, and reduce future storm-related emergency and recovery costs. The project would also limit the severity of roadway flooding, protecting residents’ transportation access to health and medical facilities; eliminate ponding, which can breed disease-carrying mosquitoes; and enhance the quality of life for residents of this community.

**Purpose and Need:**

As a coastal community, the community of Amityville absorbed the impact of storm surges during Superstorm Sandy. The Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. These events damaged the existing bulkheads at the 22 locations detailed in Figure 2 and Table 1. Homes, businesses, public facilities, and roads south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures.

The proposed project would rehabilitate and raise bulkheads on public property throughout the project area. The goals of the project are reducing the Community’s risks and vulnerability to storm surge flooding, reducing property damage, and maintaining roadway access for residents to and from emergency facilities and for emergency responders to and from high-risk neighborhoods. The bulkhead improvements would serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms.

**Existing Conditions:**

The project would occur within the Village of Amityville in the Town of Babylon, Suffolk County, New York. All statements and assumptions regarding the project’s components are based on publicly available mapping. Specific conditions and trends for the project locations are as follows:

**Location**

As depicted in Figure 1, the project area is located in the Village of Amityville and is bordered by Massapequa in Nassau County to the west, the Great South Bay to the south, the Hamlet of Copiague to the east, and North Amityville to the north.

**Land Use**

The character of land use in the project area is largely residential, with medium density and high density residential as the dominant uses. Some industrial and aquatic commercial land uses can be found along the water’s edge, which serve the many boats docked throughout the community, as well as a few parks providing recreational land uses. Land use designations at bulkhead locations are medium density and high density residential with the following exceptions: Location 22 at McDonald Avenue is low density residential; Location 3 at South Bayview Avenue is industrial (boat services) with a recreation land use across the street (James Caples Memorial Park); Location 12 at Richmond Avenue is recreational land use (beach entrance); and Locations 1 (Berger Avenue), 2 (South Ketcham Avenue), 4 (Coles Avenue), 18 (Perkins Avenue) and 19 (Meadow Lane) are surrounded by commercial land uses (boat docks).

The Village of Amityville has established zoning districts. Those within the project area include Residence Districts A, BB, B and C, Historic Districts H, Professional Mixed-Use Districts PM, and Marine Business
Districts B-3. Most of the bulkhead locations are located within Residence Districts or Marine Business Districts zones.

**Floodplain Management**

Per Flood Insurance Rate Map (FIRM) Panels 36103C0841H and 36103C0843H, the bulkhead locations associated with the project are located in the 100 year flood plain (see Figure 3) and is adjacent to estuarine subtidal areas, which consist of deepwater tidal habitats and may contain adjacent tidal wetlands (see Figure 8).

**Coastal Zone Management**

The project is located within the boundary of the New York State Coastal Zone (see Figure 4). Although the Village of Amityville does not participate in the Local Waterfront Revitalization Program, proposed waterfront resiliency improvements for the Village of Amityville are detailed in the March 2014 Village of Amityville/Copiague NY Rising Community Reconstruction Plan.

**Cultural and Ecological Resources**

No historic districts are present in the project area, and the project is not within an archaeologically sensitive area. The Ketcham's Creek Freshwater Wetland Critical Environmental Area as a designated Critical Environmental Area (CEA) is located near the project area. However, this CEA is located outside of the project area to the north of Montauk Highway, and none of the locations identified for bulkhead improvements through the proposed project are expected to impact this CEA. The NYSDEC Environmental Assessment Form screening tool found that no unique geologic features or significant natural communities occur in the project’s vicinity.

**Funding:**

The total project cost is estimated at $3,141,562.17. GOSR proposes to allocate funding pursuant to the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant-Disaster Recovery (CDBG-DR) program as authorized by the Disaster Relief Appropriations Act of 2013 (Public Law 113-2, approved January 29, 2013). The NYS Housing Trust Fund Corporation (HTFC), which administers the CDBG-DR program funds on behalf of GOSR, intends to approve funding for the proposed project as described in this notice.

**Environmental Considerations:**

The SEQRA EAF Part 2 assessed multiple resource topics for which potential impacts were not identified. However, potential impacts from the proposed action were identified on land, surface water, flooding, and historic and archaeological resources. The following analysis finds that the proposed action will not result in a significant adverse impact on these resources.

**Land.**

While the proposed action would involve repairs to and replacement of bulkheads, land surface modifications would be contained to areas of preexisting disturbance. As a result, the proposed action would not result in significant impacts on land.

**Surface Water**

All bulkheads are at the edge of developed land containing existing disturbances. While these estuarine subtidal areas consist of deepwater tidal habitats that may contain adjacent tidal wetlands, the total area of potential disturbance from bulkhead replacement or construction would not exceed one acre. No dredging is proposed as a component of project construction, and any incidental dredging required in front of the
bulkhead would be performed using a clam shell dredge and no fill would be side cast. Incidental dredging that may occur during project activities would be solely for the purpose of recapturing any lost fill during construction. As a result, the proposed action would not result in significant impacts on surface water.

The proposed project would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the village. A total of 22 individual bulkhead locations were selected based on an assessment of the bulkheads most in need of improvement, engineering feasibility, and a determination of which projects would most increase resiliency. Construction management practices would be utilized to avoid or minimize potential impacts to waters. Best management practices (BMPs), including the use of Spill Prevention, Control, and Countermeasure (SPCC) Plans to prevent leaks and spills into adjacent waterways, would be adhered to throughout the construction period. Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead.

Because activities associated with the project would be located either within or immediately adjacent to navigable bodies of water, the following environmental permits will have to be obtained:

- NYSDEC Article 15, Title 5, Stream Disturbance Permit to physically disturb the banks of Narraskatuck Creek, Woods Creek, Amityville Creek, and Great South Bay;
- NYSDEC Article 15, Title 5, Excavation & fill in Navigable Waters Permit to allow for incidental dredging near the bulkhead locations below the mean water line;
- NYSDEC under Section 401 of the Clean Water Act, Water Quality Certification;
- USACE NWP 13 – Bank Stabilization Pre-Construction Notification.

The proposed improvements would disturb less than one acre of land and therefore the Village would not have to apply for coverage under NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity Permit No. GP-0-15-002.

At the bulkhead located on the public dock known as Richmond Avenue Park, which is location 12 in Table 1, the paved asphalt lot would be resurfaced with sod intended to contain storm water within the park. An Erosion and Sediment Control Plan would be developed and provided on the final design plans.

Given adherence to these permitting requirements and best management practices, the proposed project would not have an effect on surface waters and wetlands.

**Flooding.**

Improvements to bulkheads will reduce risk and vulnerability to storm surge flooding and will repair damaged public infrastructure and minimize damage and wave overtopping during future storms. This will result in a beneficial impact on floodplains due to stabilization of the shoreline. No structural footprints would be expanded and there would be no alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area. The proposed project would not have an impact on floodplain values.
Historic and archaeological resources.

The proposed action would result in negligible, potential impact to archaeologically sensitive resources due to minimal ground disturbance for the restoration of the Richmond Avenue Park, which is location 12 in Table 1. The proposed project would involve ground disturbance that is limited to previously disturbed soils at all of the locations identified for bulkhead improvements. These locations are at the end of urban streets and canals and are not associated with individual parcels. While the new bulkheads will be higher than the existing structures, they will not alter the general setting of the area. No historic districts are present in the project area, which is predominantly comprised of post-World War II housing. Seventeen project locations (Site Numbers 1-3, 4, 6, 8-16, 19 and 22) have cut and fill soils that have a low potential for intact archaeological deposits. The remaining sites have graded Riverhead and Haven soils, indicating that the integrity of soils have been compromised.

The bulkhead improvement activities proposed would have no major impact on the human environment and are expected to improve some aspects of the human environment, such as public health and safety and community resiliency to future natural disasters. The proposed project would not result in major impacts with respect to geology, soils and topography, air quality, vegetation, wildlife and fish, threatened and endangered species, cultural resources, aesthetic resources and neighborhood character, land use and planning, socioeconomics and environmental justice, noise, transportation, and hazardous materials. No major cumulative impacts would result from the proposed project in conjunction with the other activities occurring or planned for the project area.

Short-term impacts during construction are anticipated on soils, surface water, transportation, air quality, and noise. In cases where short-term potential impacts have been identified, impacts would be mitigated through design, regulatory compliance, and/or implementation of BMPs.

Standard Requirements:

Any change to the Proposed Project as described will require re-evaluation by GOSR’s Certifying Officer for compliance with SEQRA and other law, regulations and policies.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

Additional Mitigation Measures:

To the extent required and/or practicable, any approval of the proposed project is subject to following mitigation measures being adhered to by the grant recipient to minimize environmental impacts and create a more sustainable project:

- Construction and demolition – to the maximum extent possible, utilize local and recycled materials in construction process and recycle materials generated onsite.

- Clean diesel – implement diesel controls, cleaner fuel, and cleaner construction practices for on-road and off-road equipment used for transportation, soil movement, or other construction activities, including:
  - Strategies and technologies that reduce unnecessary idling, including auxiliary power units, the use of electric equipment, and strict enforcement of idling limits; and
  - Use of clean diesel through add-on control technologies like diesel particulate filters and diesel oxidation catalysts, repowers, or newer, cleaner equipment.
• Stormwater – utilize low impact development (LID) principles such as minimizing effective imperviousness to create site drainage, and the planting of native and non-invasive vegetation on the project site for stormwater management purposes. Other LID practices can include bioretention facilities, rain gardens, vegetated rooftops, rain barrels, and permeable pavements;

• Cost-efficient, environmentally friendly landscaping – EPA’s GreenScapes program provides cost-efficient and environmentally friendly solutions for landscaping;

• Energy efficiency – energy-efficient technologies should be incorporated into the station house when possible; and

• Water conservation and efficiency – promote water conservation and efficiency through use of water efficient products (toilets, faucets, showerheads) and practices. Consider use of products with the WaterSense label where appropriate.

In addition to the factors considered above, the GOSR considered the following guidance from the State Environmental Quality Review Act and its implementing regulations and determined that the Proposed Action would:

(i) Not result in “a substantial adverse change in existing air quality, ground or surface water quality or quantity, traffic or noise levels; a substantial increase in solid waste production; a substantial increase in potential for erosion, flooding, leaching or drainage problems;” (§617.7(c)(1)(i))

(ii) Not result in “the removal or destruction of large quantities of vegetation or fauna; substantial interference with the movement of any resident or migratory fish or wildlife species; impacts on a significant habitat area; substantial adverse impacts on a threatened or endangered species of animal or plant, or the habitat of such a species; or other significant adverse impacts to natural resources;” (§617.7(c)(1)(iii))

(iii) Not result in “the impairment of the environmental characteristics of a Critical Environmental Area as designated pursuant to subdivision 617.14(g) of this Part;” (§617.7(c)(1)(iii))

(iv) Not result in “the creation of a material conflict with a community’s current plans or goals as officially approved or adopted;” (§617.7(c)(1)(iv))

(v) Not result in “the impairment of the character or quality of important historical, archaeological, architectural, or aesthetic resources or of existing community or neighborhood character;” (§617.7(c)(1)(v))

(vi) Not result in “a major change in the use of either the quantity or type of energy;” (§617.7(c)(1)(vi))

(vii) Not result in “the creation of a hazard to human health;” (§617.7(c)(1)(vii))

(viii) Not result in “a substantial change in the use, or intensity of use, of land including agricultural, open space or recreational resources, or in its capacity to support existing uses;” (§617.7(c)(1)(viii))

(ix) Not result in “the encouraging or attracting of a large number of people to a place or places for more than a few days, compared to the number of people who would come to such place absent the action;” (§617.7(c)(1)(ix))

(x) Not result in “the creation of a material demand for other actions that would result in one of the above consequences;” (§617.7(c)(1)(x))
(xi) Not result in “changes in two or more elements of the environment, no one of which has a significant impact on the environment, but when considered together result in a substantial adverse impact on the environment; or ($617.7(1)(xi))

Therefore, GOSR, acting as Lead Agency, and having prepared a Full Environmental Assessment Form (FEAF), has determined that the proposed action will not have a significant effect on the environment and a Draft Environmental Impact Statement will not need to be prepared.

Thomas J. King  
Date: November 17, 2016  
Assistant General Counsel  
Deputy Director – Bureau of Environmental Review and Assessment  
Governor’s Office of Storm Recovery  
99 Washington Avenue Suite 1224  
Albany, New York 12260  
Office: (518) 473-0015

Attachments:
Attachment 1. Environmental Assessment Form (Parts 1, 2 and 3)  
Attachment 2. Negative Declaration Distribution List

A copy of this Notice is available at the following web address:  
http://www.stormrecovery.ny.gov/environmental-docs
Figure 2

Project Area

Amityville Waterfront
Resiliency Improvements

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data;
NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Table 1. Project Locations, Existing Conditions, and Detailed Description of Proposed Project Activities

<table>
<thead>
<tr>
<th>ID Number</th>
<th>Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
</tr>
</thead>
</table>
| 1         | End Berger Avenue   | 2.54 feet / timber / Serious                                    | • Remove and replace existing wood bulkhead with new 107-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb and gutter  
• Remove existing drainage structure and install new catch basin |
| 2         | End S. Ketcham Avenue | 3.02 feet / timber / Critical                               | • Remove and replace existing wood bulkhead with new 80-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb and gutter  
• Remove existing drainage structure and install new catch basin |
| 3         | South Bayview Avenue | 2.53 feet / timber / serious                                   | • Remove and replace existing wood bulkhead with new 115-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove and re-set existing post and rope fence |
| 4         | End Coles Avenue    | 2.65 feet / timber / Fair                                     | • Remove and replace existing wood bulkhead with new 70-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe |
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<th>ID Number</th>
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<th>Proposed Repairs</th>
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<td>• Remove existing wood fence and install new timber guiderail</td>
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<td>• Install tie-back system</td>
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<td>• Remove and replace existing concrete curb</td>
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<td>• Remove existing drainage structure and install new catch basin</td>
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<td>• Remove and re-set existing sign and bench</td>
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<td>5</td>
<td>End Morris Street (West Side)</td>
<td>2.83 feet / timber / Serious</td>
<td>• Remove and replace existing wood bulkhead with new 45-linear-foot vinyl 4.9 foot bulkhead in same location</td>
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<td>• Install tie-back system</td>
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<td>• Install new catch basin</td>
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<td>• Remove and re-set existing fence</td>
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<td>6</td>
<td>End Purdy Avenue</td>
<td>2.82 feet / timber / Serious</td>
<td>• Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location</td>
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<td>• Remove existing drainage structure and install new catch basin</td>
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<td>7</td>
<td>End Griffing Avenue</td>
<td>3.48 feet / timber / Serious</td>
<td>• Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location</td>
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<td>• Remove existing drainage pipe and install new pipe</td>
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<td>• Remove existing wood fence and install new timber guiderail</td>
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<td>• Install tie-back system</td>
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<td>• Remove existing drainage structure and install new catch basin</td>
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<td>• Remove and re-set existing wood posts</td>
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<td>8</td>
<td>North End Fleming Canal</td>
<td>3.68 feet / timber with vinyl overlay / Satisfactory</td>
<td>• Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location</td>
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<td>• Install check valve</td>
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<td>ID Number</td>
<td>Location</td>
<td>Existing Conditions (bulkhead height / type / level of damage)</td>
<td>Proposed Repairs</td>
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|           |                  |                                                                 | - Remove and replace existing asphalt pavement  
- Remove existing drainage pipe and install new pipe  
- Remove existing wood fence and install new timber guiderail  
- Install tie-back system  
- Remove and replace existing concrete curb |
| 9         | End Bayside Place| 1.94 feet / timber / Poor                                     | - Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
- Remove and replace existing asphalt pavement  
- Remove existing drainage pipe and install new pipe  
- Remove existing wood fence and install new timber guiderail  
- Install tie-back system  
- Remove and replace existing concrete curb  
- Remove existing drainage structure and install new catch basin  
- Remove and replace existing slate wall |
| 10        | End New Point Place| 2.73 feet / timber / Poor                                     | - Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
- Remove and replace existing asphalt pavement  
- Remove existing drainage pipe and install new pipe  
- Install new timber guiderail  
- Install tie-back system  
- Remove and replace existing concrete curb  
- Remove existing drainage structure and install new catch basin  
- Remove and re-set existing metal pole |
| 11        | End South Bay Avenue| 3.17 feet / timber with vinyl overlay / Fair                   | - Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
- Remove and replace existing asphalt pavement  
- Remove existing drainage pipe and install new pipe  
- Remove existing guard rail and install new timber guiderail  
- Install tie-back system  
- Remove and replace existing concrete curb |
<table>
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<tr>
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<th>Proposed Repairs</th>
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<td>• Remove existing drainage structure and install new catch basin</td>
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<tr>
<td>12</td>
<td>Richmond Avenue, Public Dock</td>
<td>2.68 feet / vinyl / Poor</td>
<td>• Install new 260-linear-foot vinyl 4.9 foot bulkhead in same location</td>
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<td>• Remove and replace existing wood bulkhead and asphalt pavement</td>
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<td>• Install removable gate</td>
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<td>• Install new catch basin</td>
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<tr>
<td>13</td>
<td>End Braham Avenue</td>
<td>3.58 feet / timber with vinyl overlay / Fair</td>
<td>• Remove and replace existing wood bulkhead with new 130-linear-foot vinyl 4.9 foot bulkhead in same location</td>
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<td>• Remove and replace existing asphalt pavement</td>
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<td>• Install new timber guiderail</td>
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<td>• Install tie-back system</td>
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<td>• Remove existing drainage structure and install new catch basin</td>
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<td></td>
<td>• Remove and replace existing concrete curb</td>
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<td></td>
<td></td>
<td>• Remove and re-set existing sign and bench</td>
</tr>
<tr>
<td>14</td>
<td>End Stuart Avenue</td>
<td>3.76 feet / timber with vinyl overlay / Poor</td>
<td>• Remove and replace existing wood bulkhead with new 100-linear-foot vinyl 4.9 foot bulkhead in same location</td>
</tr>
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<td></td>
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<td>• Remove and replace existing asphalt pavement</td>
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<td>• Remove existing drainage pipe and install new pipe</td>
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<td>• Remove existing guard rail and install new timber guiderail</td>
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<td>• Install tie-back system</td>
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<td></td>
<td>• Remove existing drainage structure and install new catch basin</td>
</tr>
<tr>
<td>15</td>
<td>End Lebrun Avenue</td>
<td>3.97 feet / timber with vinyl overlay / Satisfactory</td>
<td>• Remove and replace existing wood bulkhead with new 30-linear-foot vinyl 4.9 foot bulkhead in same location</td>
</tr>
<tr>
<td></td>
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<td>• Remove and replace existing asphalt pavement</td>
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<td></td>
<td>• Remove existing drainage pipe and install new pipe</td>
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<td></td>
<td>• Remove existing wood rail fence and install new timber guiderail</td>
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<td></td>
<td>• Install tie-back system</td>
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<td></td>
<td></td>
<td>• Install new catch basin</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Remove and re-set existing metal pole, wood picket fence and cobble stone</td>
</tr>
<tr>
<td>ID Number</td>
<td>Location</td>
<td>Existing Conditions (bulkhead height / type / level of damage)</td>
<td>Proposed Repairs</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------</td>
<td>---------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| 16        | End Norman Avenue      | 4.60 feet / timber with vinyl overlay / Fair                 | • Remove and replace existing wood bulkhead with new 60-linear-foot vinyl 4.9 foot bulkhead in same location  
|           |                        |                                                               | • Remove and replace existing asphalt pavement  
|           |                        |                                                               | • Remove existing drainage pipe and install new pipe  
|           |                        |                                                               | • Remove existing wood fence and install new timber guiderail  
|           |                        |                                                               | • Install tie-back system  
|           |                        |                                                               | • Install new catch basin  
|           |                        |                                                               | • Remove and replace concrete curb and gutter  |
| 17        | End Cooper Avenue      | 2.43 feet / timber / Poor                                    | • Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
|           |                        |                                                               | • Install tie-back system  
|           |                        |                                                               | • Remove and re-set existing wood picket fence  |
| 18        | End Perkins Avenue     | 0.0 feet (soft shoreline) / NA                                | • Install new 105-linear-foot vinyl 4.9 foot bulkhead  
|           |                        |                                                               | • Remove existing wood fence and install new timber guiderail  
|           |                        |                                                               | • Install tie-back system  |
| 19        | End Meadow Lane        | 0.0 feet (soft shoreline) / NA                                | • Install a new 55-linear-foot vinyl 4.9 foot bulkhead landward of the high water line  
|           |                        |                                                               | • Remove and replace existing asphalt pavement  
|           |                        |                                                               | • Remove existing drainage pipe and install new pipe  
|           |                        |                                                               | • Remove existing fence and install new timber guiderail  
|           |                        |                                                               | • Install tie-back system  
|           |                        |                                                               | • Install new catch basin  
|           |                        |                                                               | • Remove and replace existing retaining wall and gravel  |
| 20        | End Morris Street      | 3.54 feet / timber with vinyl overlay / Satisfactory          | • Remove and replace existing wood bulkhead with new 55-linear-foot vinyl 4.9 foot bulkhead in same location  
|           | (East Side)            |                                                               | • Remove and replace existing asphalt pavement  
|           |                        |                                                               | • Remove existing drainage pipe and install new pipe  
|           |                        |                                                               | • Remove existing guard rail and install new timber guiderail  
<p>|           |                        |                                                               | • Install tie-back system  |</p>
<table>
<thead>
<tr>
<th>ID Number</th>
<th>Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Remove existing drainage structure and install new catch basin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Remove and re-set existing wood planter</td>
</tr>
<tr>
<td>21</td>
<td>Bayside Canal</td>
<td>2.66 feet / timber / Critical</td>
<td>• Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Remove existing drainage pipe and install new pipe</td>
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<td></td>
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<td></td>
<td>• Install tie-back system</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Install new catch basin</td>
</tr>
<tr>
<td>22</td>
<td>End McDonald Avenue</td>
<td>0.0 feet (soft shoreline) / NA</td>
<td>• Install new 52-linear-foot vinyl 4.9 foot bulkhead in same location</td>
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<td></td>
<td></td>
<td></td>
<td>• Remove existing drainage pipe and install new pipe</td>
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<td></td>
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<td></td>
<td>• Remove existing wood rail fence and install new timber guiderail</td>
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<td></td>
<td></td>
<td>• Install tie-back system</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Remove existing drainage structure and install new catch basin</td>
</tr>
</tbody>
</table>
**Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

### A. Project and Sponsor Information.

<table>
<thead>
<tr>
<th>Name of Action or Project:</th>
<th>Village of Amityville - Waterfront Resiliency Improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Location (describe, and attach a general location map):</td>
<td>Multiple bulkhead locations throughout the Village of Amityville. See Figure 1, which depicts the project locations.</td>
</tr>
<tr>
<td>Brief Description of Proposed Action (include purpose or need):</td>
<td>During Superstorm Sandy, the Village of Amityville was hit with an eight-foot storm surge, which overtopped existing bulkheads throughout the community, causing severe erosion of the shoreline. Homes, businesses, public facilities, and roadways south of Montauk Highway (also known as Merrick Road) experienced flooding, downed trees, and power and communications failures. The proposed action would rehabilitate and raise and/or install, bulkheads on public property throughout the project area. The bulkhead improvements would serve to repair damaged public infrastructure and minimize damage and wave overtopping during future storms. The proposed action would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the Village. A total of 22 bulkhead locations (individual project sites) were identified for repairs, replacement, or new construction. Locations were selected based on an assessment of the bulkheads most in need of improvement, engineering feasibility, and a determination of which projects would most increase resiliency. Specific project activities include removal and replacement of existing bulkheads, installation of new bulkheads at three project sites, installation of tie-back systems, replacement of drainage pipe and installation of new catch basins. See Table 1 for a site-specific detailed description of project activities.</td>
</tr>
<tr>
<td>Name of Applicant/Sponsor:</td>
<td>Town of Babylon</td>
</tr>
<tr>
<td>Telephone:</td>
<td>631.957.3072</td>
</tr>
<tr>
<td>E-Mail:</td>
<td><a href="mailto:rschafer@townofbabylon.com">rschafer@townofbabylon.com</a></td>
</tr>
<tr>
<td>Address:</td>
<td>200 E. Sunrise Highway</td>
</tr>
<tr>
<td>City/PO:</td>
<td>Lindenhurst</td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
</tr>
<tr>
<td>Zip Code:</td>
<td>11757</td>
</tr>
<tr>
<td>Project Contact (if not same as sponsor; give name and title/role):</td>
<td>Same as Sponsor</td>
</tr>
<tr>
<td>Telephone:</td>
<td></td>
</tr>
<tr>
<td>E-Mail:</td>
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<td>Address:</td>
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<td>City/PO:</td>
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<td>State:</td>
<td></td>
</tr>
<tr>
<td>Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Property Owner (if not same as sponsor):</td>
<td>Telephone:</td>
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<tr>
<td>E-Mail:</td>
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<tr>
<td>Address:</td>
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<td>State:</td>
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<td>Zip Code:</td>
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</tbody>
</table>
### B. Government Approvals

**B. Government Approvals, Funding, or Sponsorship.** (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

<table>
<thead>
<tr>
<th>Government Entity</th>
<th>If Yes: Identify Agency and Approval(s) Required</th>
<th>Application Date (Actual or projected)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. City Council, Town Board, or Village Board of Trustees</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>b. City, Town or Village Planning Board or Commission</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>c. City Council, Town or Village Zoning Board of Appeals</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>d. Other local agencies</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>e. County agencies</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>f. Regional agencies</td>
<td>☑ Yes ☑ No</td>
<td></td>
</tr>
<tr>
<td>g. State agencies</td>
<td>☑ Yes ☑ No</td>
<td>July 2016, July 2016, June 2016</td>
</tr>
<tr>
<td>h. Federal agencies</td>
<td>☑ Yes ☑ No</td>
<td>July 2016, June 2016, June 2016</td>
</tr>
</tbody>
</table>

**i. Coastal Resources.**

1. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☑ Yes ☑ No
2. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☑ Yes ☑ No
3. Is the project site within a Coastal Erosion Hazard Area? ☑ Yes ☑ No

### C. Planning and Zoning

#### C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☑ Yes ☑ No

- **If Yes**, complete sections C, F and G.
- **If No**, proceed to question C.2 and complete all remaining sections and questions in Part 1

#### C.2. Adopted land use plans.

a. Do any municipally-adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑ Yes ☑ No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑ Yes ☑ No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway, Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)? ☑ Yes ☑ No

If Yes, identify the plan(s):

   Village of Amityville/Copiague NY Rising Community Reconstruction Plan available at:

   

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☑ Yes ☑ No

If Yes, identify the plan(s):
C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. □ Yes □ No

If Yes, what is the zoning classification(s) including any applicable overlay district?
 resident Districts A, BB, B, C; Historic District H; Professional Mixed-Use District PM; Marine Business District B3

b. Is the use permitted or allowed by a special or conditional use permit? □ Yes □ No

c. Is a zoning change requested as part of the proposed action?
 □ Yes □ No

i. What is the proposed new zoning for the site?

C.4. Existing community services.

a. In what school district is the project site located? Amityville Union Free School District

b. What police or other public protection forces serve the project site?
 A police and fire boat station is located on Amityville Creek near Coles Avenue.

c. Which fire protection and emergency medical services serve the project site?
 The Amityville Fire Department and EMS are located just north of the project area and serve the project sites.

d. What parks serve the project site?
 James Caples Memorial Park serves the southeastern side of the project area and is in close proximity to project site 19 at Meadow Lane. The vacant property at project site 12, the Richmond Ave Dock, will be resurfaced with a permeable surface and likely used a park in the future.

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? The proposed action consists of replacement and installation of bulkheads along public right of ways. The projects sites are located adjacent to roadways, residential and commercial properties, and a park.

b. a. Total acreage of the site of the proposed action? 0.872 acres

b. Total acreage to be physically disturbed? 0.872 acres

c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0.872 acres

c. Is the proposed action an expansion of an existing project or use? □ Yes □ No

i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % Units:

d. Is the proposed action a subdivision, or does it include a subdivision? □ Yes □ No

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? □ Yes □ No

iii. Number of lots proposed? ________

iv. Minimum and maximum proposed lot sizes? Minimum Maximum

e. Will proposed action be constructed in multiple phases? □ Yes □ No

i. If No, anticipated period of construction: 17 months

ii. If Yes:

• Total number of phases anticipated

• Anticipated commencement date of phase 1 (including demolition) month year

• Anticipated completion date of final phase month year

• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:
f. Does the project include new residential uses?  
Yes ☐ No ☑

<table>
<thead>
<tr>
<th>Initial Phase</th>
<th>One Family</th>
<th>Two Family</th>
<th>Three Family</th>
<th>Multiple Family (four or more)</th>
</tr>
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<tbody>
<tr>
<td>At completion of all phases</td>
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</table>

If Yes, show numbers of units proposed.

Initial Phase | One Family | Two Family | Three Family | Multiple Family (four or more) |
---------------|------------|------------|--------------|--------------------------------|
At completion of all phases |            |            |              |                                |

g. Does the proposed action include new non-residential construction (including expansions)?  
Yes ☑ No ☐

i. Total number of structures: 22

ii. Dimensions (in feet) of largest proposed structure: 4.9 height; <1 width; and 260 length

iii. Approximate extent of building space to be heated or cooled: 0 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  
Yes ☐ No ☑

i. Purpose of the impoundment:

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

iii. If other than water, identify the type of impounded/contained liquids and their source:

iv. Approximate size of the proposed impoundment. Volume: _______ million gallons; surface area: _______ acres

v. Dimensions of the proposed dam or impounding structure: _______ height; _______ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  
Yes ☐ No ☑

(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i. What is the purpose of the excavation or dredging?

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards):

- Over what duration of time:

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them:

iv. Will there be onsite dewatering or processing of excavated materials?  
Yes ☐ No ☑

If yes, describe:

v. What is the total area to be dredged or excavated? _______ acres

vi. What is the maximum area to be worked at any one time? _______ acres

vii. What would be the maximum depth of excavation or dredging? _______ feet

viii. Will the excavation require blasting?  
Yes ☑ No ☐

ix. Summarize site reclamation goals and plan:

  _______________________________________________________________
  _______________________________________________________________

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?  
Yes ☑ No ☐

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description):

   Wetlands and water bodies adjacent to specific bulkhead locations are presented in Table 1 attached.
ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
There would be no alternations to stream channels. Turbidity curtains would be placed into the edge of the waterway and remain in place during the construction period until all sediment has fallen out of the water column. Pending the approval for a U.S. Army Corps of Engineers Section 404 permit, a total of 80 cubic yards of fill would be placed at three project sites (Perkins Avenue, Meadow Lane, and McDonald Avenue), resulting in a total of 0.087 acres of fill in tidal wetlands.

iii. Will proposed action cause or result in disturbance to bottom sediments?
   If Yes, describe:

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation?
   If Yes:
   a. acres of aquatic vegetation proposed to be removed:
   b. expected acreage of aquatic vegetation remaining after project completion:
   c. purpose of proposed removal (e.g. beach clearing, invasive species control, boat access):
   d. proposed method of plant removal:
   e. if chemical/herbicide treatment will be used, specify product(s):
   f. proposed method of plant removal:
   g. describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

The project will convert 0.091 acres of impervious surface to pervious open space at project site 12, Richmond Ave.

v. Describe any proposed reclamation/mitigation following disturbance:

vi. If a public water supply will not be used, describe plans to provide water supply for the project: ___________________________

vii. If water supply will be from wells (public or private), maximum pumping capacity: _______ gallons/minute.

viii. Date application submitted or anticipated: __________________________________________________________________

ix. Applicant/sponsor for new district: ________________________________________________________________________

x. Name of district or service area: __________________________________________________________________________

xi. Source(s) of supply for the district: _________________________________________________________________________

xii. Source(s) of supply for the district: _________________________________________________________________________

xiii. Purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): __________________________

xiv. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): ____________________________________________________________________________

xv. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):

xvi. Will proposed action generate liquid wastes?
   If Yes:
   a. Total anticipated liquid waste generation per day: ________________ gallons/day

xvii. Will proposed action use any existing public wastewater treatment facilities?
   If Yes:
   a. Name of wastewater treatment plant to be used: ____________________________
   b. Name of district: ________________________________________________________________________
   c. Does the existing wastewater treatment plant have capacity to serve the project?
   d. Is the project site in the existing district?
   e. Is expansion of the district needed?
iv. Will a new wastewater (sewage) treatment district be formed to serve the project site?  
If Yes:  
   • Applicant/sponsor for new district: ____________________________________________________________________  
   • Date application submitted or anticipated: ____________________________________________________________________  
   • What is the receiving water for the wastewater discharge? ____________________________________________________________________

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans): __________________________________________________

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: ____________________________________________________________

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  
If Yes:
   i. How much impervious surface will the project create in relation to total size of project parcel?  
      _____ Square feet or _____ acres (impervious surface)  
      _____ Square feet or _____ acres (parcel size)  

   ii. Describe types of new point sources. ____________________________________________________________

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

   • If to surface waters, identify receiving water bodies or wetlands: ____________________________________________

   • Will stormwater runoff flow to adjacent properties?  
   iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  
If Yes, identify:
   i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
   ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
   iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  

   g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  
If Yes:
   i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  
   ii. In addition to emissions as calculated in the application, the project will generate:  
      • _______ Tons/year (short tons) of Carbon Dioxide (CO₂)  
      • _______ Tons/year (short tons) of Nitrous Oxide (N₂O)  
      • _______ Tons/year (short tons) of Perfluorocarbons (PFCs)  
      • _______ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)  
      • _______ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)  
      • _______ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)
h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?
   i. Estimate methane generation in tons/year (metric): ____________________________
   ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): ________________________________________________________________

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?
   If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):
   ________________________________________________________________
   ________________________________________________________________

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?
   If Yes:
   i. When is the peak traffic expected (Check all that apply): ☐ Morning ☑ Evening ☐ Weekend
   ☐ Randomly between hours of _________ to _________.
   ii. For commercial activities only, projected number of semi-trailer truck trips/day: _______________________
   iii. Parking spaces: Existing _________ Proposed _________ Net increase/decrease _________
   iv. Does the proposed action include any shared use parking? ☐ Yes ☑ No
   v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:
      ________________________________________________________________
      ________________________________________________________________
      ________________________________________________________________

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐ Yes ☑ No
vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐ Yes ☑ No
viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐ Yes ☑ No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?
   If Yes:
   i. Estimate annual electricity demand during operation of the proposed action:
      ________________________________________________________________
   ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):
   iii. Will the proposed action require a new, or an upgrade to, an existing substation? ☐ Yes ☑ No

l. Hours of operation. Answer all items which apply.
   i. During Construction:
      • Monday - Friday: 7:30 a.m. through 4:30 p.m
      • Saturday: 7:30 a.m. through 4:30 p.m
      • Sunday: ____________________________
      • Holidays: ____________________________
   ii. During Operations:
      • Monday - Friday: NA
      • Saturday: NA
      • Sunday: NA
      • Holidays: NA
m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No
   If yes:
   i. Provide details including sources, time of day and duration:
      Equipment used during construction may cause intermittent exceedances of the existing ambient noise levels. All construction activities will be confined within the hours of 7:30 a.m. and 4:30 p.m., Monday through Saturday.

   ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No
       Describe: ________________________________

n. Will the proposed action have outdoor lighting? ☐ Yes ☑ No
   If yes:
   i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

   ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No
       Describe: ________________________________

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No
   If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No
   If Yes:
   i. Product(s) to be stored ________________________________
   ii. Volume(s) ______ per unit time ________ (e.g., month, year)
   iii. Generally describe proposed storage facilities: ________________________________

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No
   If Yes:
   i. Describe proposed treatment(s):
      ________________________________
      ________________________________
      ________________________________

   ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☑ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No
   If Yes:
   i. Describe any solid waste(s) to be generated during construction or operation of the facility:
      • Construction: ________________________________ tons per ____________ (unit of time)
      • Operation: ________________________________ tons per ____________ (unit of time)
   ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:
      • Construction: ________________________________
      • Operation: ________________________________
   iii. Proposed disposal methods/facilities for solid waste generated on-site:
      • Construction: ________________________________
      • Operation: ________________________________

s. Does the proposed action include construction or modification of a solid waste management facility? [ ] Yes [ ] No
If Yes:
  i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): ____________________________________________
  ii. Anticipated rate of disposal/processing:
      • ________ Tons/month, if transfer or other non-combustion/thermal treatment, or
      • ________ Tons/hour, if combustion or thermal treatment
  iii. If landfill, anticipated site life: ___________________________ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? [ ] Yes [ ] No
If Yes:
  i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: ____________________________________________
  ii. Generally describe processes or activities involving hazardous wastes or constituents: ____________________________________________
  iii. Specify amount to be handled or generated _____ tons/month
  iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: ____________________________________________
  v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? [ ] Yes [ ] No
If Yes: provide name and location of facility: ____________________________________________
If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: ____________________________________________

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.
  i. Check all uses that occur on, adjoining and near the project site.
[ ] Urban [ ] Industrial [ ] Commercial [ ] Residential (suburban) [ ] Rural (non-farm)
[ ] Forest [ ] Agriculture [ ] Aquatic [ ] Other (specify): ____________________________
  ii. If mix of uses, generally describe:
      ____________________________________________

Bulkheads are located directly adjacent to waterways at the edge of both urbanized and non-urbanized locations with the project area. Specific land uses in the vicinity of bulkhead locations include residential, commercial, open space, and marine/aquatic recreation.

b. Land uses and covertypes on the project site.

<table>
<thead>
<tr>
<th>Land use or Covertyp</th>
<th>Current Acreage</th>
<th>Acreage After Project Completion</th>
<th>Change (Acres +/-)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roads, buildings, and other paved or impervious surfaces</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>0</td>
</tr>
<tr>
<td>Forested</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Agricultural (includes active orchards, field, greenhouse etc.)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Surface water features (lakes, ponds, streams, rivers, etc.)</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>0</td>
</tr>
<tr>
<td>Wetlands (freshwater or tidal)</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>0</td>
</tr>
<tr>
<td>Non-vegetated (bare rock, earth or fill)</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>0</td>
</tr>
<tr>
<td>Other Describe: ____________________________</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Page 9 of 13
c. Is the project site presently used by members of the community for public recreation?  
    i. If Yes: explain: Richmond Park and several other site locations are used as destinations for pedestrians to view the Great South Bay.

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  
    If Yes,  
    i. Identify Facilities:  
    Senior housing is located approximately 1,200 feet northwest of project site 6 at Purdy Ln.

e. Does the project site contain an existing dam?  
    If Yes:  
    i. Dimensions of the dam and impoundment:  
        • Dam height: _______________________________ feet  
        • Dam length: _______________________________ feet  
        • Surface area: _______________________________ acres  
        • Volume impounded: _______________________________ gallons OR acre-feet  
    ii. Dam's existing hazard classification:  
    iii. Provide date and summarize results of last inspection:

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  
    If Yes:  
    i. Has the facility been formally closed?  
        • If yes, cite sources/documentation:  
    ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:
    iii. Describe any development constraints due to the prior solid waste activities:

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  
    If Yes:  
    i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:  
        □ Yes – Spills Incidents database Prove DEC ID number(s):  
        □ Yes – Environmental Site Remediation database Provide DEC ID number(s):  
        □ Neither database  
    ii. If site has been subject of RCRA corrective activities, describe control measures:
    iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?  
        If yes, provide DEC ID number(s):  
    iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No
- If yes, DEC site ID number: ____________________________
- Describe the type of institutional control (e.g., deed restriction or easement): ____________________________
- Describe any use limitations: ____________________________
- Describe any engineering controls: ____________________________
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☑ No
- Explain: ____________________________________

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? __________ feet
- If Yes, what proportion of the site is comprised of bedrock outcroppings? __________ %

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
- If Yes, what proportion of the site is comprised of bedrock outcroppings? __________ %

c. Predominant soil type(s) present on project site:
   - See Table 1.
   - Cut and fill land, gently sloping: _____ %
   - Riverhead and Haven soils, graded: _____ %

b. What is the average depth to the water table on the project site? Average: __________ feet
- Groundwater at project sites is tidally influenced

e. Drainage status of project site soils:
   - ☑ Well Drained: __________ % of site
   - ☑ Moderately Well Drained: __________ % of site
   - ☐ Poorly Drained __________ % of site

f. Approximate proportion of proposed action site with slopes:
   - ☑ 0-10%: __________ % of site
   - ☑ 10-15%: __________ % of site
   - ☑ 15% or greater: __________ % of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
- If Yes, describe: ____________________________________

h. Surface water features.
   - Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No
   - Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No
   - If Yes to either i or ii, continue. If No, skip to E.2.i.
   - Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☐ Yes ☑ No
   - For each identified regulated wetland and waterbody on the project site, provide the following information:
     - Streams:
       - Name: 885-80, 925-190, 925-183, 925-185, 925-82
       - Classification: SC, SA
     - Lakes or Ponds:
       - Name: 925-183, 925-185, 925-82
       - Classification: SC, SA
     - Wetlands:
       - Name: See Table 1.
       - Approximate Size: __________
   - Wetland No. (if regulated by DEC)

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No
- If yes, name of impaired water body/bodies and basis for listing as impaired:
  - Name - Pollutants - Uses: Great South Bay, West – Algal/Weed Growth; Nutrients – Aquatic Life

i. Is the project site in a designated Floodway? ☑ Yes ☐ No

j. Is the project site in the 100 year Floodplain? ☑ Yes ☐ No

k. Is the project site in the 500 year Floodplain? ☑ Yes ☐ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☑ Yes ☐ No
   - Name of aquifer: Sole Source Aquifer Names: Nassau-Suffolk SSA
m. Identify the predominant wildlife species that occupy or use the project site:

<table>
<thead>
<tr>
<th>Various aquatic species</th>
<th>Avian species such as water birds</th>
<th>Small Mammals</th>
</tr>
</thead>
</table>

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

   i. Describe the habitat/community (composition, function, and basis for designation): ____________________________________________

   ii. Source(s) of description or evaluation: ____________________________________________

   iii. Extent of community/habitat:

      • Currently: ______________________ acres
      • Following completion of project as proposed: ______________________ acres
      • Gain or loss (indicate + or -): ______________________ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ❑ Yes ☐ No

   Proposed site locations may be used for recreational fishing. The proposed action would enhance safety and accessibility for recreational opportunities.

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No

   If Yes, provide county plus district name/number: _________________________________________________________________

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No

   i. If Yes: acreage(s) on project site? ______________________

   ii. Source(s) of soil rating(s): ____________________________________________

   c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

   If Yes:

   i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

   ii. Provide brief description of landmark, including values behind designation and approximate size/extent: ____________________________________________

   ____________________________________________

   d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No

   If Yes:

   i. CEA name: ____________________________________________

   ii. Basis for designation: ____________________________________________

   iii. Designating agency and date: ____________________________________________
e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? □ Yes □ No

If Yes:

i. Nature of historic/archaeological resource: □ Archaeological Site □ Historic Building or District

ii. Name: Multiple locations

iii. Brief description of attributes on which listing is based:

See Table 1 for detailed descriptions of adjacent historic/archaeological resources at specific bulkhead locations

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? □ Yes □ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? □ Yes □ No

If Yes:

i. Describe possible resource(s):

ii. Basis for identification:

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? □ Yes □ No

If Yes:

i. Identify resource:

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.):

iii. Distance between project and resource: ________ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? □ Yes □ No

If Yes:

i. Identify the name of the river and its designation:

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? □ Yes □ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

Prior to construction, a turbidity curtain would be placed into the edge of the waterway and remain in place for the duration of the construction period. All fill would be cast landward of the bulkheads. New piles and sheeting would be installed via jetting, which utilizes a carefully directed and pressurized flow of water to assist in pile placement, thereby reducing sonic and vibrational disturbances within the water column.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name: Town of Babylon

Date: 1.24.96

Signature: [Signature]

Title: Supervisor
**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

---

B.i.i [Coastal or Waterfront Area] Yes

B.i.ii [Local Waterfront Revitalization Area] No

C.2.b. [Special Planning District] Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

E.1.h [DEC Spills or Remediation Site - Potential Contamination History] Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

E.1.h.i [DEC Spills or Remediation Site - Listed] Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

E.1.h.iii [Within 2,000' of DEC Remediation Site] Yes

E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID] 130056, 130065

E.2.g [Unique Geologic Features] No

E.2.h.i [Surface Water Features] Yes

E.2.h.ii [Surface Water Features] Yes

E.2.h.iii [Surface Water Features] Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.

E.2.h.iv [Surface Water Features - Stream Name] 885-80, 925-190, 925-183, 925-185, 925-82

E.2.h.iv [Surface Water Features - Stream Classification] SC, SA

E.2.h.iv [Surface Water Features - Lake/Pond Name] 925-183, 925-185, 925-82

E.2.h.iv [Surface Water Features - Lake/Pond Classification] SC, SA
<table>
<thead>
<tr>
<th>E.2.h.iv [Surface Water Features - Wetlands Name]</th>
<th>Federal Waters, Tidal Wetlands</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.2.h.v [Impaired Water Bodies]</td>
<td>Yes</td>
</tr>
<tr>
<td>E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]</td>
<td>Name - Pollutants - Uses: Great South Bay, West – Algal/Weed Growth; Nutrients – Aquatic Life</td>
</tr>
<tr>
<td>E.2.i. [Floodway]</td>
<td>No</td>
</tr>
<tr>
<td>E.2.j. [100 Year Floodplain]</td>
<td>Yes</td>
</tr>
<tr>
<td>E.2.k. [500 Year Floodplain]</td>
<td>Yes</td>
</tr>
<tr>
<td>E.2.l. [Aquifers]</td>
<td>Yes</td>
</tr>
<tr>
<td>E.2.l. [Aquifer Names]</td>
<td>Sole Source Aquifer Names: Nassau-Suffolk SSA</td>
</tr>
<tr>
<td>E.2.n. [Natural Communities]</td>
<td>No</td>
</tr>
<tr>
<td>E.2.o. [Endangered or Threatened Species]</td>
<td>No</td>
</tr>
<tr>
<td>E.2.p. [Rare Plants or Animals]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.a. [Agricultural District]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.c. [National Natural Landmark]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.d [Critical Environmental Area]</td>
<td>Yes</td>
</tr>
<tr>
<td>E.3.d [Critical Environmental Area - Name]</td>
<td>Ketcham’s Creek</td>
</tr>
<tr>
<td>E.3.d.ii [Critical Environmental Area - Reason]</td>
<td>Protect creek bed &amp; wildlife habitat</td>
</tr>
<tr>
<td>E.3.d.iii [Critical Environmental Area – Date and Agency]</td>
<td>Date: 10-30-88, Agency: Babylon, Town of</td>
</tr>
<tr>
<td>E.3.e. [National Register of Historic Places]</td>
<td>Digital mapping data are not available or are incomplete. Refer to EAF Workbook.</td>
</tr>
<tr>
<td>E.3.f. [Archeological Sites]</td>
<td>No</td>
</tr>
<tr>
<td>E.3.i. [Designated River Corridor]</td>
<td>No</td>
</tr>
</tbody>
</table>
Amityville Waterfront Resiliency Improvements

Figure 1.

Project Area

Source: U.S. Fish and Wildlife Service; Suffolk County GIS Data; NYS Department of Environmental Conservation; ESRI World Imagery; ESRI Street Map
Table 1. Site Locations, Existing Conditions, and Detailed Description of Proposed Project Activities

<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 1           | End Berger Avenue   | 2.54 feet / timber / Serious                                     | • Remove and replace existing wood bulkhead with new 107-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin | none                          | Narraskatuck Creek, Estuarine Marine Deepwater (E1UBL)                             | Residential                | Fill land, sandy         |
| 2           | End S. Ketcham Avenue | 3.02 feet / timber / Critical                                    | • Remove and replace existing wood bulkhead with new 80-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb and gutter  
• Remove existing drainage structure and install new catch basin | none                          | Canal, Estuarine and Marine Deepwater (E1UBLx)                                   | Residential                | Fill land, sandy         |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 3           | South Bayview Avenue | 2.53 feet / timber / Serious                                 | • Remove and replace existing wood bulkhead with new 115-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove and re-set existing post and rope fence | None                                   | Woods Creek, Estuarine and Marine Deepwater (E1UBL)                        | Commercial                       | Fill land, sandy                      |
| 4           | End Coles Avenue   | 2.65 feet / timber / Fair                                   | • Remove and replace existing wood bulkhead with new 70-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing sign and bench | None                                   | Amityville Creek, Estuarine and Marine Deepwater (E1UBL)                        | Commercial                       | Cut and Fill Land, Gently Sloping       |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 5           | End Morris Street (West Side) | 2.83 feet / timber / Serious | • Remove and replace existing wood bulkhead with new 45-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and re-set existing picket fence | None | Canal, Estuarine and Marine Deepwater (E1UBLx) | Residential | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 6           | End Purdy Avenue | 2.82 feet / timber / Serious | • Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing fence, brick paver apron and block curb | USN # 10348.000119  
Description: Building, 84 Purdy Lane  
Status: Undetermined | Woods Creek, Estuarine and Marine Deepwater (E1UBL) | Residential | Fill land, sandy |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 7           | End Griffing Avenue | 3.48 feet / timber / Serious                                     | • Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing wood posts | USN # 10348.000075  
Description: Building, 84 Griffing Avenue  
Status: Not Eligible | Amityville Creek, Estuarine and Marine Deepwater (E1UBL)          | Residential                       | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 8           | North End Fleming Canal | 3.68 feet / timber / Satisfactory                               | • Remove and replace existing wood bulkhead with new 46-linear-foot vinyl 4.9 foot bulkhead in same location  
• Install check valve  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb | None | Canal, Estuarine and Marine Deepwater (E1UBLx) | Residential                       | Fill land, sandy               |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 9           | End Bayside Place     | 1.94 feet / timber / Poor                                       | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin  
• Remove and replace existing slate wall | USN # 10348.000174  
Description: Building 82 Bayside Avenue  
Status: Undetermined | Woods Creek, Estuarine and Marine Deepwater (E1UBL) | Residential                      | Fill land, sandy                 |
| 10          | End New Point Place   | 2.73 feet / timber / Poor                                       | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing metal pole | none | Woods Creek, Estuarine and Marine Deepwater (E1UBL) | Fill land, sandy                 |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 11         | End South Bay Avenue  | 3.17 feet / wood / Fair                                         | • Remove and replace existing wood bulkhead with new 50-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove and replace existing concrete curb  
• Remove existing drainage structure and install new catch basin | None                                                      | Great South Bay, Estuarine and Marine Deepwater (E1UBL)                        | Residential            | Fill land, sandy |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 12          | Richmond Avenue, Public Dock          | 2.68 feet / vinyl / Poor                                       | - Remove and replace existing wood bulkhead with new 260-linear-foot vinyl 4.9 foot bulkhead in same location  
- This location, known as Richmond Park, is in disrepair as a result of Hurricane Sandy. The existing bulkhead is compromised, and the park itself consists of an empty lot previously paved with asphalt, which is deteriorating. Rainfall accumulates on the asphalt surface of the park as the existing storm water drainage system, which was intended to support both the park and the end of Richmond Avenue to the northwest, is failing. In addition to the proposed bulkhead replacement, this site will be improved through the following interventions: removal of the existing asphalt surface; installation of a new catch with a check valve to surface runoff from Richmond Avenue; resurfacing of the park with sod intended to contain storm water within the park; construction of a new, ADA accessible boardwalk will be installed along the inside perimeter of the park; and installation of a removable gate and permeable pavers to provide access for maintenance and emergency service vehicles. | None                           | Great South Bay, Estuarine and Marine Deepwater (E1UBL) | Residential        | Fill land, sandy                         |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 13          | End Braham Avenue      | 3.58 feet / wood / Fair                                      | • Remove and replace existing wood bulkhead with new 130-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and replace existing concrete curb  
• Remove and re-set existing sign and bench | None                                                  | Great South Bay, Estuarine and Marine Deepwater (E1UBL)           | Residential                     | Fill land, sandy                                |
| 14          | End Stuart Avenue      | 3.76 feet / wood / Poor                                      | • Remove and replace existing wood bulkhead with new 100-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin | None                                                  | Great South Bay, Estuarine and Marine Deepwater (E1UBL)           | Residential                     | Fill land, sandy                                |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions (bulkhead height / type / level of damage)</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Adjacent water bodies and wetlands</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
</table>
| 15          | End Lebrun Avenue | 3.97 feet / wood / Satisfactory | • Remove and replace existing wood bulkhead with new 30-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood rail fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and re-set existing metal pole, wood picket fence and cobble stone | USN # 10348.000151  
Description: Building, 141 Lebrun Avenue  
Status: Undetermined | Great South Bay, Estuarine and Marine Deepwater (E1UBL) | Residential | Fill land, sandy |
| 16          | End Norman Avenue | 4.60 feet / wood / Fair | • Remove and replace existing wood bulkhead with new 60-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood fence and install new timber guiderail  
• Install tie-back system  
• Install new catch basin  
• Remove and replace concrete curb and gutter | None | Great South Bay, Estuarine and Marine Deepwater (E1UBL) | Residential | Fill land, sandy |
<table>
<thead>
<tr>
<th>Site Number</th>
<th>Site Location</th>
<th>Existing Conditions</th>
<th>Proposed Repairs</th>
<th>Associated Cultural Resources</th>
<th>Land use/cover type</th>
<th>Soils and Geology</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>End Cooper Avenue</td>
<td>2.43 feet / timber / Poor</td>
<td>- Remove and replace existing wood bulkhead with new 65-linear-foot vinyl 4.9 foot bulkhead in same location&lt;br&gt;- Remove and re-set existing wood picket fence</td>
<td>Amityville Creek, Estuarine and Marine Deepwater (E1AB3L)</td>
<td>Residential</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Install tie-back system&lt;br&gt;- Install new 65-linear-foot vinyl 4.9 foot bulkhead in same location&lt;br&gt;- Install new tie-back system&lt;br&gt;- Remove and re-set existing wood picket fence</td>
<td>None</td>
<td>Undetermined</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>End Perkins Avenue</td>
<td>0.0 feet / soft shoreline / Not Applicable</td>
<td>- Remove tree and stump&lt;br&gt;- Install new 105-linear-foot vinyl 4.9 foot bulkhead&lt;br&gt;- Install tie-back system&lt;br&gt;- Remove existing wood fence and install new timber guiderail</td>
<td>None</td>
<td>Residential</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Remove existing drainage pipe and install new pipe&lt;br&gt;- Remove existing fence and install new timber guiderail&lt;br&gt;- Install new catch basin&lt;br&gt;- Remove and replace existing retaining wall and gravel</td>
<td>Amityville Creek, Estuarine and Marine Deepwater (E1UBL)</td>
<td>Residential</td>
<td>Riverhead and Haven soils, graded, 0 to 8 percent slopes</td>
</tr>
<tr>
<td>19</td>
<td>End Meadow Lane</td>
<td>0.0 feet / soft shoreline / Not Applicable</td>
<td>- Remove existing drainage pipe and install new pipe&lt;br&gt;- Remove existing fence and install new timber guiderail&lt;br&gt;- Install new catch basin&lt;br&gt;- Remove and replace existing retaining wall and gravel</td>
<td>None</td>
<td>Residential</td>
<td>Fill land, sandy</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Remove existing fence and install new timber guiderail&lt;br&gt;- Install new catch basin&lt;br&gt;- Remove and replace existing retaining wall and gravel</td>
<td>Woods Creek, Estuarine and Marine Deepwater (E1UBL)</td>
<td>Residential</td>
<td>Residential and Haven soils, graded, 0 to 8 percent slopes</td>
</tr>
<tr>
<td>Site Number</td>
<td>Site Location</td>
<td>Existing Conditions (bulkhead height / type / level of damage)</td>
<td>Proposed Repairs</td>
<td>Associated Cultural Resources</td>
<td>Adjacent water bodies and wetlands</td>
<td>Land use/cover type</td>
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<td>---------------------</td>
</tr>
</tbody>
</table>
| 20          | End Morris Street (East Side)                                  | 2.66 feet / wood / Serious                                     | • Remove and replace existing wood bulkhead with new 55-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove and replace existing asphalt pavement  
• Remove existing drainage pipe and install new pipe  
• Remove existing guard rail and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin  
• Remove and re-set existing wood planter | None                                  | Canal, Estuarine and Marine Deepwater (E1UBLx)                                                                 | Residential                   | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 21          | Bayside Canal                                              | 2.66 feet / timber / Critical                                   | • Remove and replace existing wood bulkhead with new 40-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove existing drainage pipe and install new pipe  
• Install tie-back system  
• Install new catch basin | None                                  | Canal, Estuarine and Marine Deepwater (E1UBL)                                                                 | Residential                   | Riverhead and Haven soils, graded, 0 to 8 percent slopes |
| 22          | End McDonald Avenue                                         | 0.0 feet / soft shoreline / Not Applicable                     | • Install new 52-linear-foot vinyl 4.9 foot bulkhead in same location  
• Remove existing drainage pipe and install new pipe  
• Remove existing wood rail fence and install new timber guiderail  
• Install tie-back system  
• Remove existing drainage structure and install new catch basin | None                                  | Amityville Creek, Estuarine and Marine Deepwater (E1UBL)                                                                 | Residential                   | Fill land, sandy                  |
Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency and the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:
- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer “Yes” to a numbered question, please complete all the questions that follow in that section.
- If you answer “No” to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box “Moderate to large impact may occur.”
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the “whole action”.
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

### 1. Impact on Land

Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)

If “Yes”, answer questions a - j. If “No”, move on to Section 2.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may involve construction on land where depth to water table is less than 3 feet.</td>
<td>E2d</td>
<td>✔</td>
</tr>
<tr>
<td>b. The proposed action may involve construction on slopes of 15% or greater.</td>
<td>E2f</td>
<td>✔</td>
</tr>
<tr>
<td>c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.</td>
<td>E2a</td>
<td>✔</td>
</tr>
<tr>
<td>d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.</td>
<td>D2a</td>
<td>✔</td>
</tr>
<tr>
<td>e. The proposed action may involve construction that continues for more than one year or in multiple phases.</td>
<td>D1e</td>
<td>✔</td>
</tr>
<tr>
<td>f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).</td>
<td>D2e, D2q</td>
<td>✔</td>
</tr>
<tr>
<td>g. The proposed action is, or may be, located within a Coastal Erosion hazard area.</td>
<td>B1i</td>
<td>✔</td>
</tr>
<tr>
<td>h. Other impacts:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### 2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) If “Yes”, answer questions a - c. If “No”, move on to Section 3.

<table>
<thead>
<tr>
<th>Relevance</th>
<th>Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>E2g</td>
<td>☐</td>
<td>☐</td>
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<td></td>
<td></td>
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<tr>
<td>YES</td>
<td>E3c</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>NO</td>
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</tbody>
</table>

- a. Identify the specific land form(s) attached: ____________________________________________
- b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark.
  Specific feature: ________________________________
- c. Other impacts: ________________________________________________________________
  ________________________________________________________________

### 3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) If “Yes”, answer questions a - l. If “No”, move on to Section 4.

<table>
<thead>
<tr>
<th>Relevance</th>
<th>Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>D2b, D1h</td>
<td>☑</td>
<td>☐</td>
</tr>
<tr>
<td>YES</td>
<td>D2b</td>
<td>☑</td>
<td>☐</td>
</tr>
<tr>
<td>NO</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>YES</td>
<td>E2h</td>
<td>☑</td>
<td>☐</td>
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<td></td>
</tr>
<tr>
<td>YES</td>
<td>D2a, D2h</td>
<td>☑</td>
<td>☐</td>
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<td>D2c</td>
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<td></td>
</tr>
<tr>
<td>YES</td>
<td>D2d</td>
<td>☑</td>
<td>☐</td>
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<td></td>
</tr>
<tr>
<td>YES</td>
<td>D2e</td>
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<td>☐</td>
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<tr>
<td>YES</td>
<td>D2q, E2h</td>
<td>☑</td>
<td>☐</td>
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<tr>
<td>YES</td>
<td>D1a, D2d</td>
<td>☑</td>
<td>☐</td>
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</tbody>
</table>
4. **Impact on groundwater**

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)

*If “Yes”, answer questions a - h. If “No”, move on to Section 5.*

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.</td>
<td>D2c</td>
<td>☐</td>
</tr>
<tr>
<td>b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer.</td>
<td>D2c</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action may allow or result in residential uses in areas without water and sewer services.</td>
<td>D1a, D2c</td>
<td>☐</td>
</tr>
<tr>
<td>d. The proposed action may include or require wastewater discharged to groundwater.</td>
<td>D2d, E2l</td>
<td>☐</td>
</tr>
<tr>
<td>e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.</td>
<td>D2c, E1f, E1g, E1h</td>
<td>☐</td>
</tr>
<tr>
<td>f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.</td>
<td>D2p, E2l</td>
<td>☐</td>
</tr>
<tr>
<td>g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.</td>
<td>E2h, D2q, E2l, D2c</td>
<td>☐</td>
</tr>
<tr>
<td>h. Other impacts: ______________________________________________________</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5. **Impact on Flooding**

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2)

*If “Yes”, answer questions a - g. If “No”, move on to Section 6.*

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may result in development in a designated floodway.</td>
<td>E2i</td>
<td>☑</td>
</tr>
<tr>
<td>b. The proposed action may result in development within a 100 year floodplain.</td>
<td>E2j</td>
<td>☑</td>
</tr>
<tr>
<td>c. The proposed action may result in development within a 500 year floodplain.</td>
<td>E2k</td>
<td>☑</td>
</tr>
<tr>
<td>d. The proposed action may result in, or require, modification of existing drainage patterns.</td>
<td>D2b, D2e</td>
<td>☑</td>
</tr>
<tr>
<td>e. The proposed action may change flood water flows that contribute to flooding.</td>
<td>D2b, E2i, E2j, E2k</td>
<td>☑</td>
</tr>
<tr>
<td>f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?</td>
<td>E1e</td>
<td>☑</td>
</tr>
</tbody>
</table>
6. **Impacts on Air**

The proposed action may include a state regulated air emission source.

(See Part 1. D.2.f., D.2.h, D.2.g)

*If “Yes”, answer questions a - f. If “No”, move on to Section 7.*

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
</table>
| a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:  
  i. More than 1000 tons/year of carbon dioxide (CO$_2$)  
  ii. More than 3.5 tons/year of nitrous oxide (N$_2$O)  
  iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)  
  iv. More than .045 tons/year of sulfur hexafluoride (SF$_6$)  
  v. More than 1000 tons/year of carbon dioxide equivalent of hydrochlorofluorocarbons (HFCs) emissions  
  vi. 43 tons/year or more of methane | D2g | D2g |
| b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants. | D2g | D2g |
| c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU’s per hour. | D2f, D2g | D2f, D2g |
| d. The proposed action may reach 50% of any of the thresholds in “a” through “c”, above. | D2g | D2g |
| e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour. | D2s | D2s |
| f. Other impacts: ____________________________ | | |

7. **Impact on Plants and Animals**

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.)

*If “Yes”, answer questions a - f. If “No”, move on to Section 8.*

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.</td>
<td>E2o</td>
<td>E2o</td>
</tr>
<tr>
<td>b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.</td>
<td>E2o</td>
<td>E2o</td>
</tr>
<tr>
<td>c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.</td>
<td>E2p</td>
<td>E2p</td>
</tr>
<tr>
<td>d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.</td>
<td>E2p</td>
<td>E2p</td>
</tr>
</tbody>
</table>
e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.

f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community.

Source: _____________________________________________________________________________

h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat.

Habitat type & information source: _____________________________________________________________________________

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part I. E.3.a. and b.)

If “Yes”, answer questions a - h. If “No”, move on to Section 9.

<table>
<thead>
<tr>
<th>Question(s)</th>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.</td>
<td>E2c, E3b</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).</td>
<td>E1a, Elb</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.</td>
<td>E3b</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.</td>
<td>E1b, E3a</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>e. The proposed action may disrupt or prevent installation of an agricultural land management system.</td>
<td>E1a, Elb</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.</td>
<td>C2c, C3, D2c, D2d</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.</td>
<td>C2c</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>h. Other impacts:</td>
<td></td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
9. **Impact on Aesthetic Resources**

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

*If “Yes”, answer questions a - g. If “No”, go to Section 10.*

<table>
<thead>
<tr>
<th>Question</th>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.</td>
<td>E3h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.</td>
<td>E3h, C2b</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action may be visible from publicly accessible vantage points:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i. Seasonally (e.g., screened by summer foliage, but visible during other seasons)</td>
<td>E3h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>ii. Year round</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. The situation or activity in which viewers are engaged while viewing the proposed action is:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i. Routine travel by residents, including travel to and from work</td>
<td>E3h, E2q, E1c</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>ii. Recreational or tourism based activities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.</td>
<td>E3h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>f. There are similar projects visible within the following distance of the proposed project:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-1/2 mile</td>
<td>D1a, E1a, D1f, D1g</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>½ -3 mile</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-5 mile</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5+ mile</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>g. Other impacts:</td>
<td></td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

10. **Impact on Historic and Archeological Resources**

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

*If “Yes”, answer questions a - e. If “No”, go to Section 11.*

<table>
<thead>
<tr>
<th>Question</th>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.</td>
<td>E3e</td>
<td>☑</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.</td>
<td>E3f</td>
<td>☑</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source:</td>
<td>E3g</td>
<td>☑</td>
<td>☐</td>
</tr>
</tbody>
</table>
d. Other impacts: ______________________________________________________

__________________________________________________________________

If any of the above (a-d) are answered “Moderate to large impact may occur”, continue with the following questions to help support conclusions in Part 3:

<table>
<thead>
<tr>
<th>i. The proposed action may result in the destruction or alteration of all or part of the site or property.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E3e, E3g, E3f</td>
</tr>
<tr>
<td>E3e, E3f, E3g, E1a, E1b</td>
</tr>
<tr>
<td>E3e, E3f, E3g, E3h, C2, C3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ii. The proposed action may result in the alteration of the property’s setting or integrity.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E3e, E3f, E3g, E3h, C2, C3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E3e, E3f, E3g, E3h, C2, C3</td>
</tr>
</tbody>
</table>

11. Impact on Open Space and Recreation
The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.)

If “Yes”, answer questions a - e. If “No”, go to Section 12.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may result in an impairment of natural functions, or “ecosystem services”, provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D2e, E1b, E2h, E2m, E2o, E2n, E2p</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action may result in the loss of a current or future recreational resource.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2a, E1c, C2c, E2q</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action may eliminate open space or recreational resource in an area with few such resources.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2a, C2c, E1c, E2q</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>d. The proposed action may result in loss of an area now used informally by the community as an open space resource.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2c, E1c</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>e. Other impacts: _____________________________________________________</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

__________________________________________________________________

12. Impact on Critical Environmental Areas
The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)

If “Yes”, answer questions a - c. If “No”, go to Section 13.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E3d</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E3d</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c. Other impacts: _____________________________________________________</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

__________________________________________________________________
### 13. Impact on Transportation

The proposed action may result in a change to existing transportation systems.  
(See Part 1. D.2.j)

If “Yes”, answer questions a - f. If “No”, go to Section 14.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Projected traffic increase may exceed capacity of existing road network.</td>
<td>D2j</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.</td>
<td>D2j</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action will degrade existing transit access.</td>
<td>D2j</td>
<td>☐</td>
</tr>
<tr>
<td>d. The proposed action will degrade existing pedestrian or bicycle accommodations.</td>
<td>D2j</td>
<td>☐</td>
</tr>
<tr>
<td>e. The proposed action may alter the present pattern of movement of people or goods.</td>
<td>D2j</td>
<td>☐</td>
</tr>
<tr>
<td>f. Other impacts: __________________________________________________________________________</td>
<td></td>
<td>☐</td>
</tr>
</tbody>
</table>


The proposed action may cause an increase in the use of any form of energy.  
(See Part 1. D.2.k)

If “Yes”, answer questions a - e. If “No”, go to Section 15.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action will require a new, or an upgrade to an existing, substation.</td>
<td>D2k</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</td>
<td>D1f, D1q, D2k</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</td>
<td>D2k</td>
<td>☐</td>
</tr>
<tr>
<td>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</td>
<td>D1g</td>
<td>☐</td>
</tr>
<tr>
<td>e. Other Impacts: __________________________________________________________________________</td>
<td></td>
<td>☐</td>
</tr>
</tbody>
</table>

### 15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting.  
(See Part 1. D.2.m., n., and o.)

If “Yes”, answer questions a - f. If “No”, go to Section 16.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may produce sound above noise levels established by local regulation.</td>
<td>D2m</td>
<td>☐</td>
</tr>
<tr>
<td>b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.</td>
<td>D2m, E1d</td>
<td>☐</td>
</tr>
<tr>
<td>c. The proposed action may result in routine odors for more than one hour per day.</td>
<td>D2o</td>
<td>☐</td>
</tr>
</tbody>
</table>
d. The proposed action may result in light shining onto adjoining properties.  

e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.  

f. Other impacts: ______________________________________________________  
__________________________________________________________________

### 16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.)  

*If “Yes”, answer questions a - m. If “No”, go to Section 17.*

<table>
<thead>
<tr>
<th>Question</th>
<th>Relevant Part I Question(s)</th>
<th>No,or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.</td>
<td>E1d</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. The site of the proposed action is currently undergoing remediation.</td>
<td>E1g, E1h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.</td>
<td>E1g, E1h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).</td>
<td>E1g, E1h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.</td>
<td>E1g, E1h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.</td>
<td>D2t</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>g. The proposed action involves construction or modification of a solid waste management facility.</td>
<td>D2q, E1f</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>h. The proposed action may result in the unearthing of solid or hazardous waste.</td>
<td>D2q, E1f</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.</td>
<td>D2r, D2s</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.</td>
<td>E1f, E1g, E1h</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.</td>
<td>E1f, E1g</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>l. The proposed action may result in the release of contaminated leachate from the project site.</td>
<td>D2s, E1f, D2r</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
| m. Other impacts: ______________________________________________________  
__________________________________________________________________ |                             |                             |                                  |
### 17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans.  
(See Part 1. C.1, C.2. and C.3.)

If “Yes”, answer questions a - h. If “No”, go to Section 18.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action’s land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).</td>
<td>C2, C3, D1a E1a, E1b</td>
<td>□</td>
</tr>
<tr>
<td>b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.</td>
<td>C2</td>
<td>□</td>
</tr>
<tr>
<td>c. The proposed action is inconsistent with local land use plans or zoning regulations.</td>
<td>C2, C2, C3</td>
<td>□</td>
</tr>
<tr>
<td>d. The proposed action is inconsistent with any County plans, or other regional land use plans.</td>
<td>C2, C2</td>
<td>□</td>
</tr>
<tr>
<td>e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.</td>
<td>C3, D1c, D1d, D1f, D1d, E1b</td>
<td>□</td>
</tr>
<tr>
<td>f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.</td>
<td>C4, D2c, D2d D2j</td>
<td>□</td>
</tr>
<tr>
<td>g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)</td>
<td>C2a</td>
<td>□</td>
</tr>
<tr>
<td>h. Other: _____________________________________________________________</td>
<td></td>
<td>□</td>
</tr>
</tbody>
</table>

### 18. Consistency with Community Character

The proposed project is inconsistent with the existing community character.  
(See Part 1. C.2, C.3, D.2, E.3)

If “Yes”, answer questions a - g. If “No”, proceed to Part 3.

<table>
<thead>
<tr>
<th>Relevant Part I Question(s)</th>
<th>No, or small impact may occur</th>
<th>Moderate to large impact may occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.</td>
<td>E3e, E3f, E3g</td>
<td>□</td>
</tr>
<tr>
<td>b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)</td>
<td>C4</td>
<td>□</td>
</tr>
<tr>
<td>c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.</td>
<td>C2, C3, D1f D1g, E1a</td>
<td>□</td>
</tr>
<tr>
<td>d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.</td>
<td>C2, E3</td>
<td>□</td>
</tr>
<tr>
<td>e. The proposed action is inconsistent with the predominant architectural scale and character.</td>
<td>C2, C3</td>
<td>□</td>
</tr>
<tr>
<td>f. Proposed action is inconsistent with the character of the existing natural landscape.</td>
<td>C2, C3 E1a, E1b E2g, E2h</td>
<td>□</td>
</tr>
<tr>
<td>g. Other impacts: _____________________________________________________________</td>
<td></td>
<td>□</td>
</tr>
</tbody>
</table>
Full Environmental Assessment Form

Part 3 - Evaluation of the Magnitude and Importance of Project Impacts and Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:
To complete this section:
- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact.
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

Please see additional sheet, appended to this form.

Determination of Significance - Type 1 and Unlisted Actions

<table>
<thead>
<tr>
<th>SEQR Status:</th>
<th>✔ Type 1</th>
<th>☐ Unlisted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify portions of EAF completed for this Project:</td>
<td>✔ Part 1</td>
<td>✔ Part 2</td>
</tr>
</tbody>
</table>
Upon review of the information recorded on this EAF, as noted, plus this additional support information and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the Governor's Office of Storm Recovery (Housing Trust Fund Corporation) as lead agency that:

☑️ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.d).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

<table>
<thead>
<tr>
<th>Name of Action:</th>
<th>Village of Amityville Waterfront Resiliency Improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Lead Agency:</td>
<td>Governor's Office of Storm Recovery (Housing Trust Fund Corporation)</td>
</tr>
<tr>
<td>Name of Responsible Officer in Lead Agency:</td>
<td>Thomas J. King</td>
</tr>
<tr>
<td>Title of Responsible Officer:</td>
<td>Environmental Director, Assistant General Counsel</td>
</tr>
<tr>
<td>Signature of Responsible Officer in Lead Agency:</td>
<td>Date: 11/17/2016</td>
</tr>
<tr>
<td>Signature of Preparer (if different from Responsible Officer)</td>
<td>Date:</td>
</tr>
</tbody>
</table>

**For Further Information:**

Contact Person: Thomas J. king, Esq.
Address: 99 Washington Avenue Suite 1224
 Telephone Number: (518) 473-0015
E-mail: Thomas.King@StormRecovery.NY.Gov

**For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:**

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
The Governor’s Office of Storm Recovery (“GOSR”), an office of New York State Homes and Community Renewal’s Housing Trust Fund Corporation (“HTFC”), has established Lead Agency status pursuant to the State Environmental Quality Review Act (“SEQRA”) (ECL Sections 3-0301(1)(b), 3-0301(2)(m) and 8-0113 and 6 NYCRR Part 617) for the environmental review of the proposed Waterfront Resiliency Improvements (the “proposed action”) in the Village of Amityville, Suffolk County, New York. In accordance with SEQRA and its implementing regulations found at 6 NYCRR Part 617, GOSR has established itself as SEQRA lead agency and has classified the proposed action a Type I Action. A full Environmental Assessment Form (EAF) Part 1 regarding the proposed action has been circulated for review and comment to interested and involved agencies. GOSR has evaluated the criteria found under 6 NYCRR 617.7(c), completed Parts 2 and 3 of the EAF, and determined that the proposed action would not result in significant environmental impacts. This memo is incorporated by reference into Part 3 of the EAF and serves as the rationale for GOSR’s determination of significance.

1. Impact on Land

While the proposed action would involve repairs to and replacement of bulkheads, land surface modifications would be contained to areas of preexisting disturbance. As a result, the proposed action would not result in significant impacts on land.

2. Impact on Surface Water

All bulkheads are at the edge of developed land containing existing disturbances. While these estuarine subtidal areas consist of deepwater tidal habitats that may contain adjacent tidal wetlands, the total area of potential disturbance from bulkhead replacement or construction would not exceed one acre. No dredging is proposed as a component of project construction, and any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. Incidental dredging that may occur during project activities would be solely for the purpose of recapturing any lost fill during construction.

The proposed project would involve construction of approximately 2,000 linear feet of public bulkhead in severely damaged areas of the village. A total of twenty-two (22) bulkhead locations (individual project sites) were selected based on an assessment of the bulkheads most in need of improvement, engineering feasibility, and a determination of which projects would most increase resiliency. Construction management practices would be utilized to avoid or minimize potential impacts to waters. Best management practices (BMPs), including the use of Spill Prevention, Control, and Countermeasure (SPCC) Plans to prevent leaks and spills into adjacent waterways, would be adhered to throughout the construction period. Prior to construction, a turbidity curtain
would be placed into the edge of the waterway and remain in place for the duration of the construction period. Although no dredging is proposed as a component of project construction, any incidental dredging required in front of the bulkhead would be performed using a clam shell dredge and no fill would be side cast. All fill would be cast landward of the bulkhead.

Because activities associated with the project would be located either within or immediately adjacent to navigable bodies of water, the following environmental permits will have to be obtained:

- NYSDEC Article 15, Title 5, Stream Disturbance Permit to physically disturb the banks of Narraskatuck Creek, Woods Creek, Amityville Creek, and Great South Bay;
- NYSDEC Article 15, Title 5, Excavation & fill in Navigable Waters Permit to allow for incidental dredging near the bulkhead locations below the mean water line;
- NYSDEC under Section 401 of the Clean Water Act, Water Quality Certification;
- USACE NWP 13 – Bank Stabilization Pre-Construction Notification;

The proposed improvements would disturb less than one acre of land and therefore the Village would not have to apply for coverage under NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity Permit No. GP-0-15-002. At the bulkhead located on the public dock known as Richmond Park, the paved asphalt lot would be resurfaced with sod intended to contain storm water within the park. An Erosion and Sediment Control Plan would be developed and provided on the final design plans.

Given adherence to these permitting requirements and best management practices, the proposed action would not result in significant impacts on surface water.

3. **Impact on Flooding**

Improvements to bulkheads will reduce risk and vulnerability to storm surge flooding and will repair damaged public infrastructure and minimize damage and wave overtopping during future storms. This will result in a beneficial impact on floodplains due to stabilization of the shoreline. No structural footprints would be expanded and there would be no alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area. Therefore, no direct or indirect adverse impacts to the floodplain are anticipated as a result of the proposed action, and the proposed action would not result in significant impacts on flooding.

4. **Impact on Historic and Archaeological Resources**

The proposed action would result in negligible impact to archaeologically sensitive resources due to minimal ground disturbance for the restoration of the park. The proposed project would involve ground disturbance that is limited to previously disturbed soils at all of the locations identified for bulkhead improvements. These locations are at the end of city streets and canals and are not associated with individual parcels. While the new bulkheads will be higher than the existing structures, they will not alter the general setting of the area. No historic districts are present in the project area, which is predominantly comprised of post-World War II housing. Seventeen project locations (Site Numbers 1-3, 4, 6, 8-16, 19 and 22) have cut and fill soils that have a low potential for intact archaeological deposits. The remaining sites have graded Riverhead and Haven soils,
indicating that the integrity of soils have been compromised.

The bulkhead improvement activities proposed would have no major impact on the human environment and are expected to improve some aspects of the human environment, such as public health and safety and community resiliency to future natural disasters. The proposed project would not result in major impacts with respect to geology, soils and topography, air quality, vegetation, wildlife and fish, threatened and endangered species, cultural resources, aesthetic resources and neighborhood character, land use and planning, socioeconomics and environmental justice, noise, transportation, and hazardous materials. No major cumulative impacts would result from the proposed project in conjunction with the other activities occurring or planned for the project area.

Short-term impacts during construction are anticipated on soils, surface water, transportation, air quality, and noise. In cases where short-term potential impacts have been identified, impacts would be mitigated through design, regulatory compliance, and/or implementation of BMPs.

As a result, there would be no significant impacts to historic and archaeological resources as a result of the proposed action.
Negative Declaration Distribution List
VILLAGE OF AMITYVILLE – WATERFRONT RESILIENCY IMPROVEMENTS

In accordance with 6 NYCRR 617.12(b)(1), the Negative Declaration for the above-mentioned project has been sent to the following parties for filing:

**Involved Agencies**

Richard Schaffer, Supervisor
Town of Babylon
200 E. Sunrise Highway
Lindenhurst, NY 11757

Antonio A. Martinez, Deputy Supervisor
Village of Amityville
200 E. Sunrise Highway
Lindenhurst, NY 11757

Town Council
Village of Amityville
200 E. Sunrise Highway
Lindenhurst, NY 11757

Code Enforcement Officer
Village of Amityville
21 Ireland Place
Amityville, NY 11701

Mayor James Wandell
Village of Amityville
21 Ireland Place
Amityville, NY 11701

Roger Evans, Regional Permitting Director, Region 1
New York State Department of Environmental Conservation
SUNY @ Stony Brook
50 Circle Road
Stony Brook, NY 11790-3409

Larry Moss, Technical Specialist
Division for Historic Preservation
New York State Historic Preservation Office
Peebles Island Resource Center
P.O. Box 189
Waterford, NY 12188-0189
**Involved Agencies Continued**

James Squicciarini – Planning Board Chairman  
Village of Amityville  
21 Ireland Place  
Amityville, NY 11701

Bruce S. Hopper, Superintendent of Public Works  
Village of Amityville  
80 Sterling Place  
Amityville, NY 11701

Mr. Jeffrey Zappieri,  
Consistency Review Unit  
New York Department of State  
Division of Coastal Resources  
One Commerce Place  
99 Washington Avenue  
Albany, NY 12231-0001

Joseph Brown, P.E., Regional Director  
New York State Department of Transportation Region 10  
State Office Building  
250 Veterans Memorial Highway  
Hauppauge, NY 11788

Larry Moss, Technical Specialist  
Division for Historic Preservation  
New York State Historic Preservation Office  
Peebles Island Resource Center  
P.O. Box 189  
Waterford, NY 12188-0189

**Interested Agencies**

Mr. Ron Rausch, Director  
Environmental Management Bureau  
Office of Parks, Recreation and Historic Preservation  
625 Broadway, 2nd Floor  
Albany, New York 12238

Mr. Richard Lord  
Chief of Mitigation Programs & Agency Preservation Officer  
NYS Division of Homeland Security & Emergency Services  
1220 Washington Avenue  
Bldg 7A, Floor 4  
Albany NY 12242